

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061275.D
 Acq On : 7 Jan 2019 13:16
 Operator : VA/AP
 Sample : VF0107SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

Manual Integrations
 APPROVED

Quant Time: Jan 08 00:31:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	216266	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	365780	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	328444	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	161803	50.00	ug/l	-0.02

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	4.81	65	137121	49.95	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	4.09	113	154184	54.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.58%	
50) Toluene-d8	7.53	98	428285	51.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.39	95	190572	51.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.00%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	0.96	85	82096	19.770	ug/l	100
3) Chloromethane	1.09	50	68148	21.423	ug/l #	87
4) Vinyl Chloride	1.14	62	60670	22.018	ug/l	94
5) Bromomethane	1.29	94	38451	20.411	ug/l	85
6) Chloroethane	1.37	64	26100	20.901	ug/l	97
7) Trichlorofluoromethane	1.46	101	101659	20.502	ug/l	99
8) Diethyl Ether	1.62	74	14960	21.148	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	52145	21.049	ug/l	94
10) Methyl Iodide	1.84	142	80054m	20.001	ug/l	
11) Tert butyl alcohol	2.56	59	10339	89.253	ug/l	100
12) 1,1-Dichloroethene	1.78	96	42227m	20.278	ug/l	
13) Acrolein	1.98	56	11795	122.122	ug/l	96
14) Allyl chloride	2.08	41	80060	27.809	ug/l	98
15) Acrylonitrile	2.93	53	32025	103.410	ug/l	100
16) Acetone	2.22	43	67939	133.700	ug/l	98
17) Carbon Disulfide	1.79	76	139843	22.054	ug/l	95
18) Methyl Acetate	2.34	43	19417	16.920	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	82528	19.013	ug/l #	88
20) Methylene Chloride	2.17	84	43052m	17.254	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	44665	20.393	ug/l	90
22) Diisopropyl ether	2.78	45	150508	20.791	ug/l	99
23) Vinyl Acetate	3.17	43	235360	70.995	ug/l	98
24) 1,1-Dichloroethane	2.85	63	90602	21.347	ug/l	99
25) 2-Butanone	4.30	43	94691	94.806	ug/l	97
26) 2,2-Dichloropropane	3.57	77	58700	24.017	ug/l	98
27) cis-1,2-Dichloroethene	3.45	96	66608	20.696	ug/l	96
28) Bromochloromethane	3.69	49	37455	18.642	ug/l	92
29) Tetrahydrofuran	4.06	42	42227	113.140	ug/l	96
30) Chloroform	3.83	83	113244	19.075	ug/l	98
31) Cyclohexane	3.67	56	95837	21.304	ug/l #	87
32) 1,1,1-Trichloroethane	4.08	97	90897	23.573	ug/l	98
36) 1,1-Dichloropropene	4.25	75	87128	20.225	ug/l	98
37) Ethyl Acetate	4.08	43	38317	22.277	ug/l	85
38) Carbon Tetrachloride	3.97	117	77148	22.369	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	106850	23.203	ug/l	96
40) Benzene	4.61	78	200825	20.541	ug/l	96
41) Methacrylonitrile	4.72	41	19964	21.581	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	65842	20.128	ug/l	92
43) Isopropyl Acetate	6.94	43	40436	17.619	ug/l #	85
44) Trichloroethene	5.48	130	64597	21.226	ug/l	94 MMDadoda
45) 1,2-Dichloropropane	6.22	63	53545	21.451	ug/l	99
46) Dibromomethane	6.06	93	31638	19.263	ug/l	91
47) Bromodichloromethane	6.36	83	82014	19.616	ug/l	98
48) Methyl methacrylate	6.69	41	27791	18.700	ug/l	93
49) 1,4-Dioxane	6.68	88	4395	426.811	ug/l	92 1/8/2019 12:58:04 PM
51) 4-Methyl-2-Pentanone	8.24	43	168491	111.452	ug/l	98
52) Toluene	7.60	92	128075	20.062	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	63033	18.494	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	84750	19.564	ug/l	93
55) 1,1,2-Trichloroethane	8.46	97	34876	18.997	ug/l	94
56) Ethyl methacrylate	8.59	69	40542	19.982	ug/l	97
57) 1,3-Dichloropropane	8.83	76	64271	18.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	8140	33.037	ug/l	98
59) 2-Hexanone	9.47	43	127757	110.709	ug/l	99
60) Dibromochloromethane	8.69	129	49897	19.134	ug/l	93
61) 1,2-Dibromoethane	8.96	107	36351	18.347	ug/l	93
64) Tetrachloroethene	8.13	164	51677	20.531	ug/l	93
65) Chlorobenzene	9.78	112	135659	20.312	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	57339	20.906	ug/l	97
67) Ethyl Benzene	9.88	91	253508	20.649	ug/l	99
68) m/p-Xylenes	10.10	106	185053	41.302	ug/l	99
69) o-Xylene	10.69	106	103674	21.390	ug/l	91
70) Styrene	10.76	104	133905	20.069	ug/l	100
71) Bromoform	10.75	173	24618	19.279	ug/l #	92
73) Isopropylbenzene	11.10	105	297055	21.613	ug/l	94
74) N-amyl acetate	11.35	43	77287	22.273	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	50008	20.831	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	36820	20.660	ug/l	94
77) Bromobenzene	11.47	156	59431	20.598	ug/l	100
78) n-propylbenzene	11.57	91	361359	22.058	ug/l	98
79) 2-Chlorotoluene	11.70	91	209678	22.162	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	250272	22.556	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	15452m	18.917	ug/l	
82) 4-Chlorotoluene	11.88	91	205185	21.393	ug/l	93
83) tert-Butylbenzene	12.11	119	257257	22.487	ug/l	96
84) 1,2,4-Trimethylbenzene	12.18	105	240992	21.817	ug/l	95
85) sec-Butylbenzene	12.29	105	347441	22.389	ug/l	98
86) p-Isopropyltoluene	12.44	119	286622	22.416	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	122293	21.965	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	109913	20.233	ug/l	97
89) n-Butylbenzene	12.82	91	298762	22.128	ug/l	95
90) Hexachloroethane	12.90	117	68557	21.733	ug/l	80
91) 1,2-Dichlorobenzene	12.92	146	113832	21.165	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.62	75	7887	18.282	ug/l	93

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Manual Integrations
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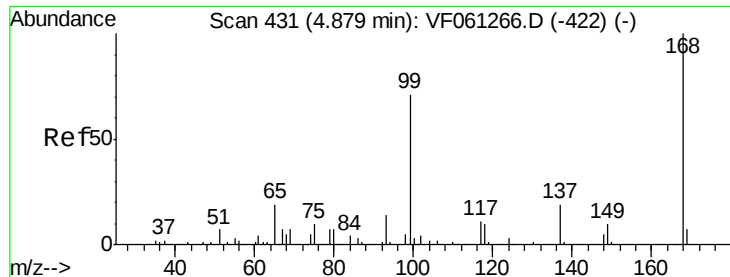
Quant Time: Jan 08 00:31:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 03:27:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	83897	22.277	ug/l	95
94) Hexachlorobutadiene	14.18	225	52957	22.070	ug/l	95
95) Naphthalene	14.44	128	146177	20.765	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	74296	21.277	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

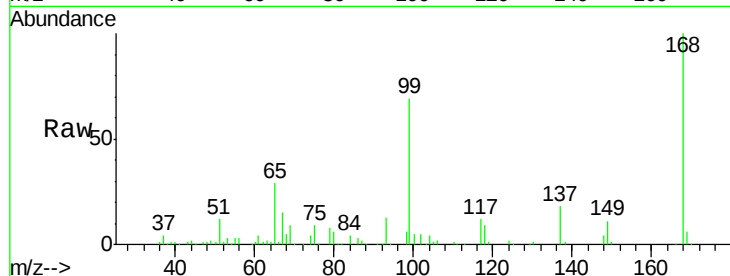
Tot Ion:168 Resp: 216266

Ion Ratio Lower Upper

168 100

99 69.0 57.0 85.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

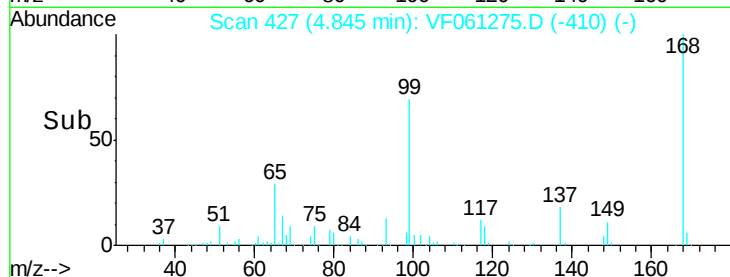
60000

40000

20000

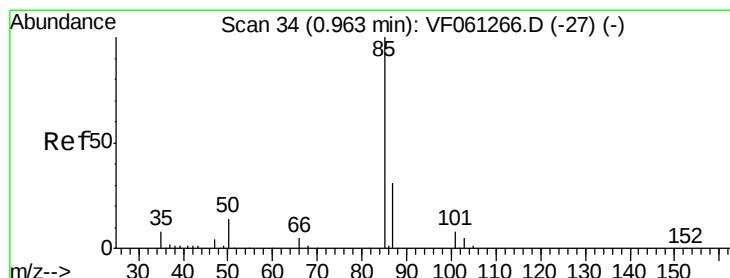
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Time-->



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#2

Dichlorodifluoromethane

Concen: 19.770 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061275.D

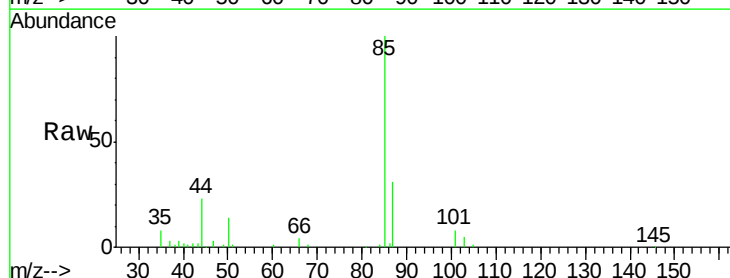
Acq: 7 Jan 2019 13:16

Tgt Ion: 85 Resp: 82096

Ion Ratio Lower Upper

85 100

87 31.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

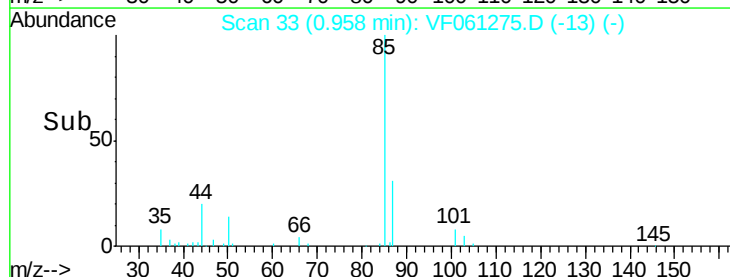
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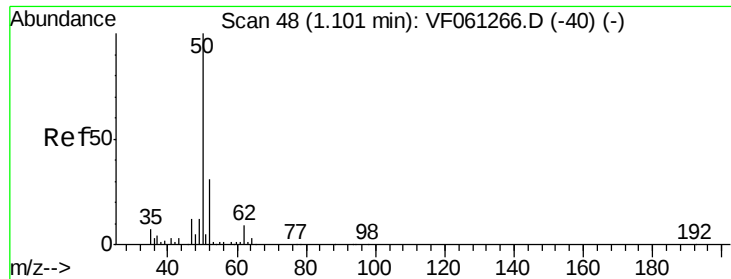
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.423 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

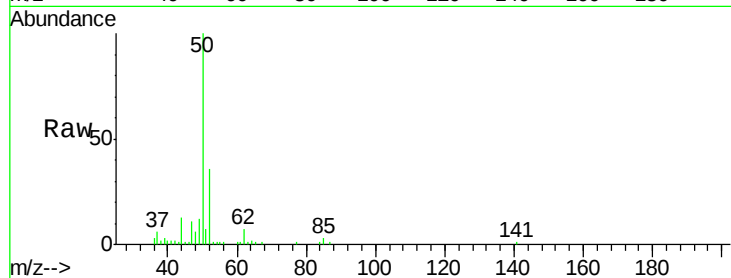
Tot Ion: 50 Resp: 68148

Ion Ratio Lower Upper

50 100

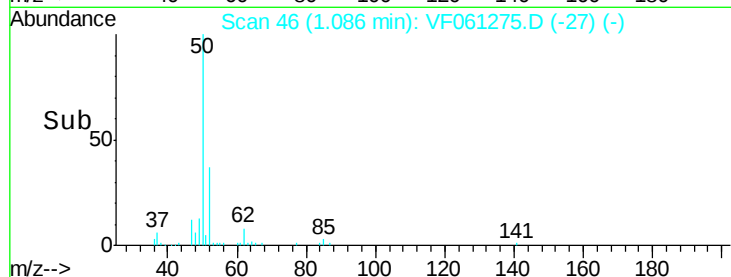
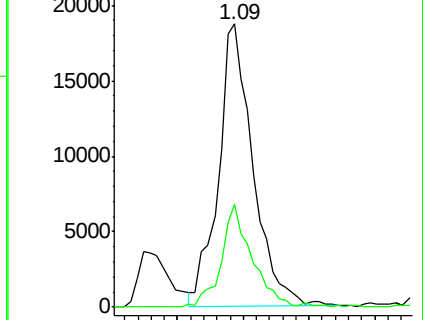
52 36.3 23.4 35.2#

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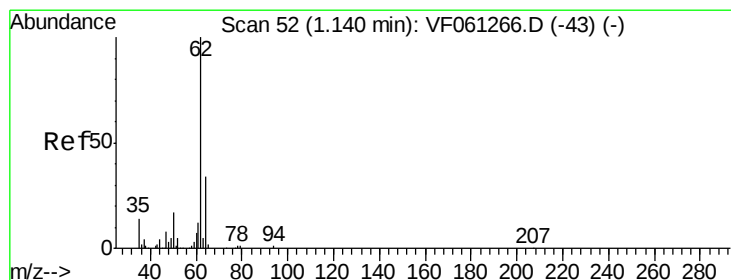
Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



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#4

Vinyl Chloride

Concen: 22.018 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061275.D

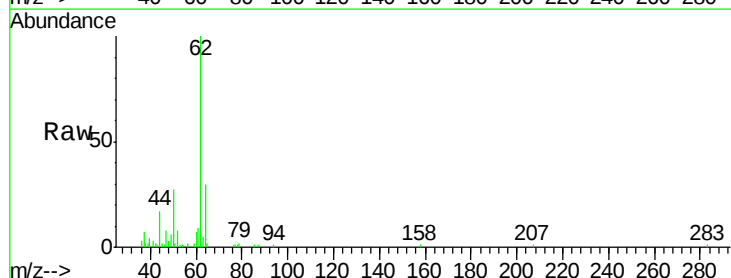
Acq: 7 Jan 2019 13:16

Tgt Ion: 62 Resp: 60670

Ion Ratio Lower Upper

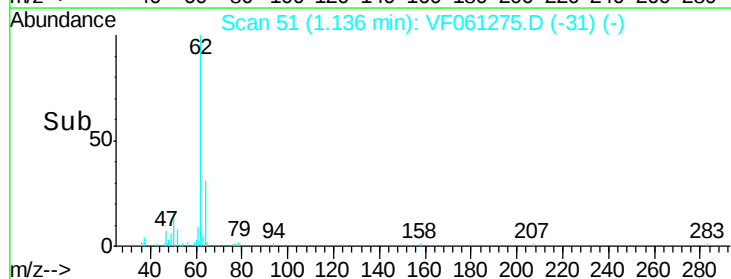
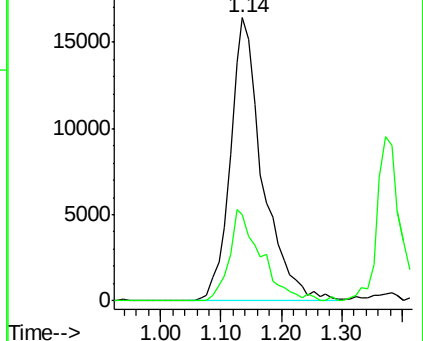
62 100

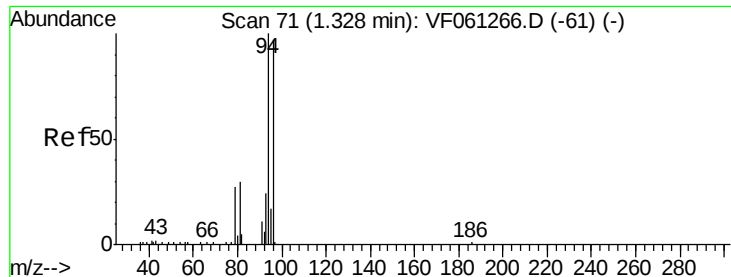
64 30.4 26.9 40.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.411 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

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VF0107SBSD01

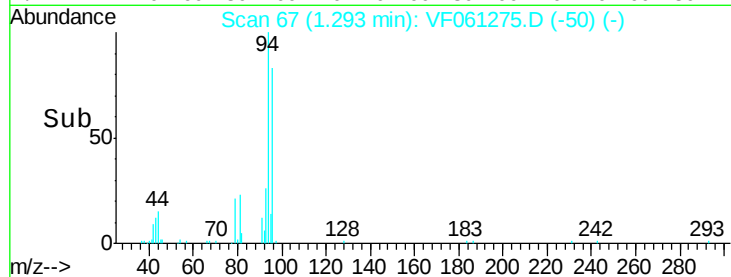
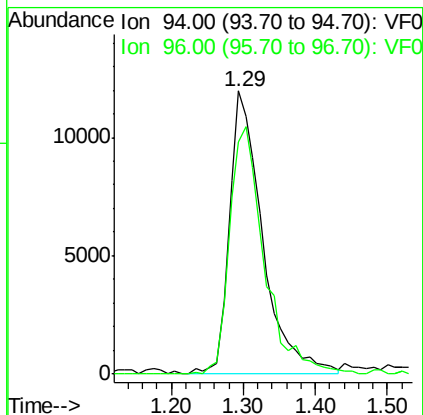
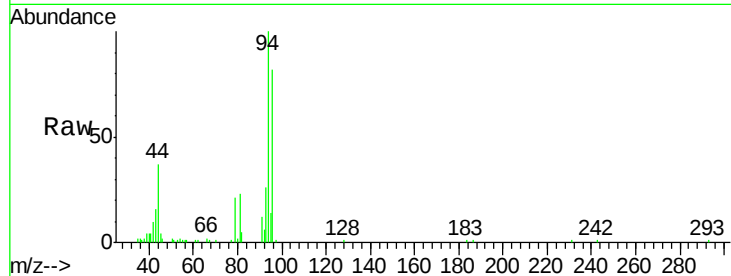
Tot Ion: 94 Resp: 38451

Ion Ratio Lower Upper

94 100

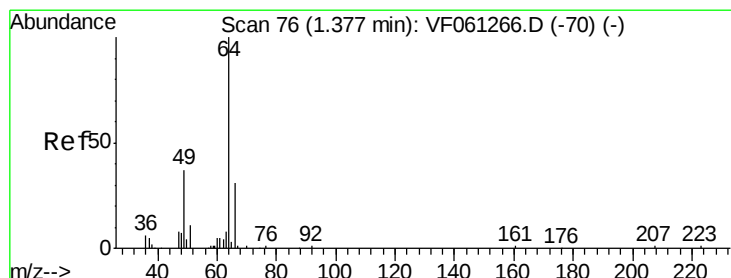
96 82.0 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 20.901 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.00 min

Lab File: VF061275.D

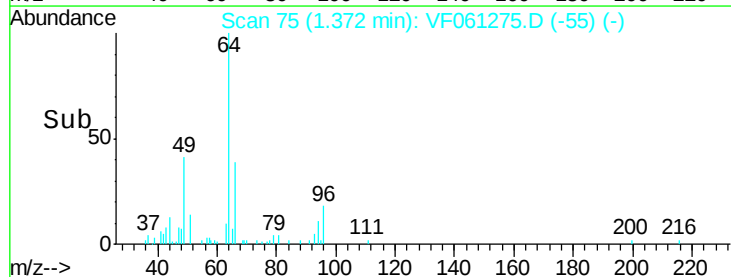
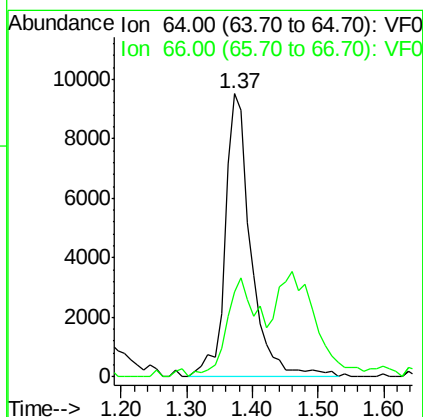
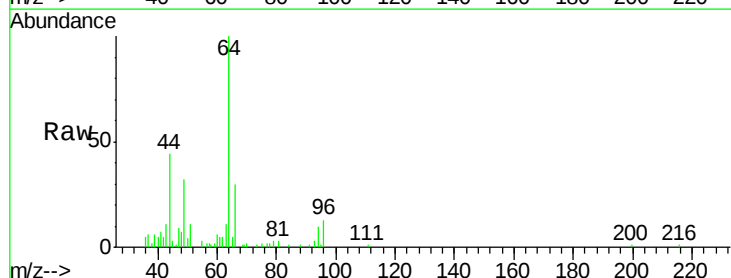
Acq: 7 Jan 2019 13:16

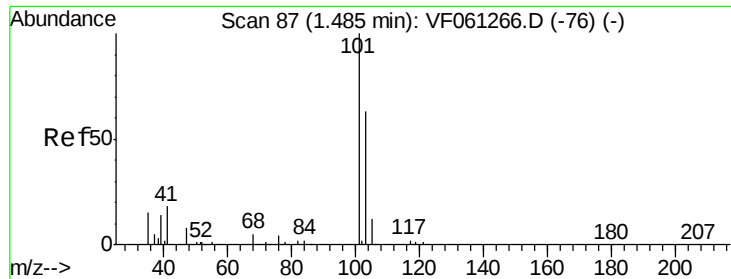
Tgt Ion: 64 Resp: 26100

Ion Ratio Lower Upper

64 100

66 30.0 25.2 37.8





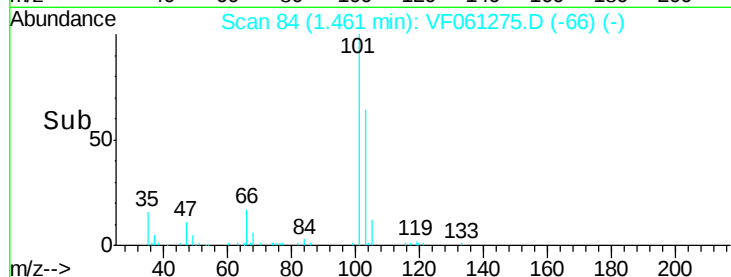
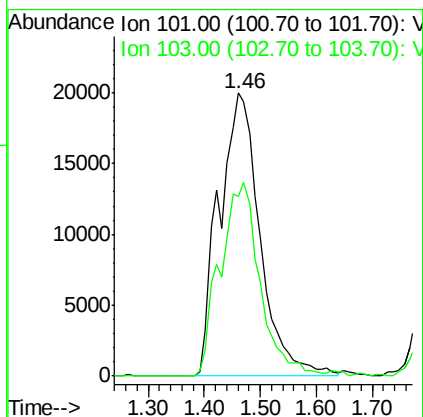
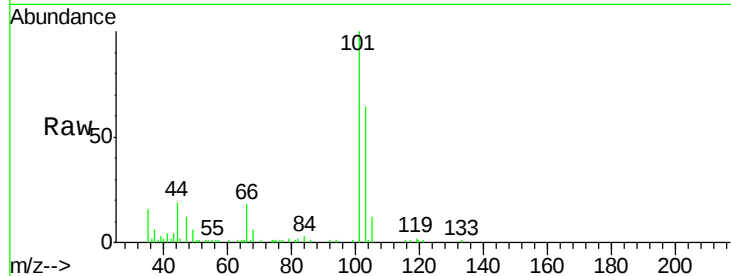
#7

Trichlorofluoromethane
Concen: 20.502 ug/l
RT: 1.46 min Scan# 84
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

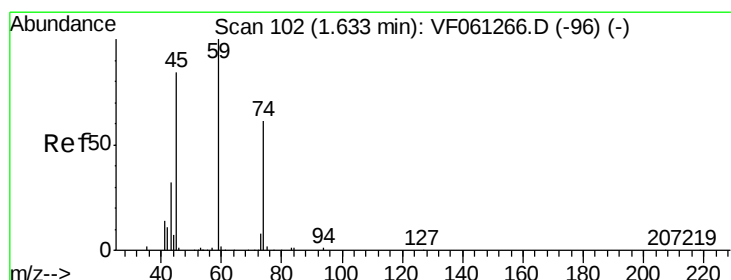
Tot Ion:101 Resp: 101659
Ion Ratio Lower Upper
101 100
103 63.5 50.3 75.5

Manual Integrations
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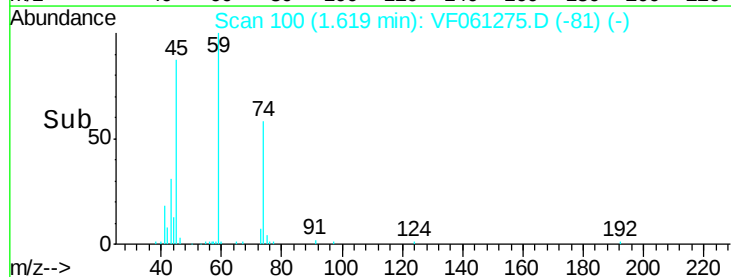
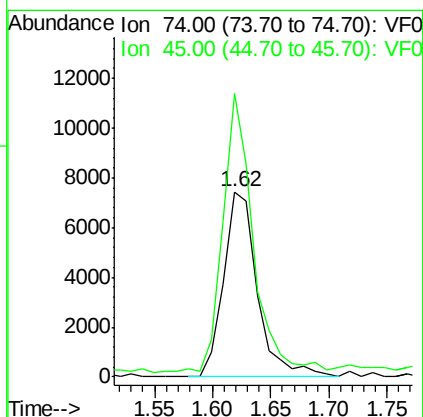
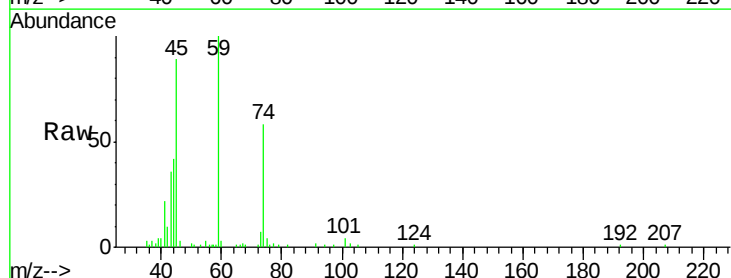
1/8/2019 12:58:04 PM

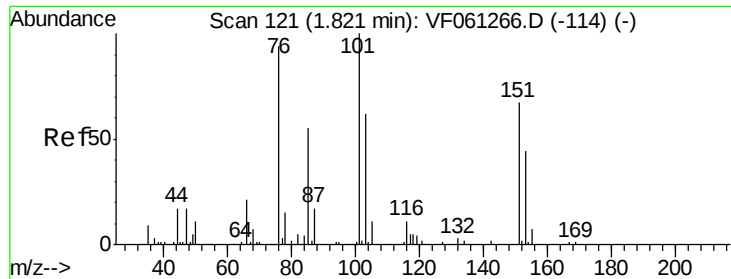


#8

Diethyl Ether
Concen: 21.148 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 74 Resp: 14960
Ion Ratio Lower Upper
74 100
45 153.0 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.049 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

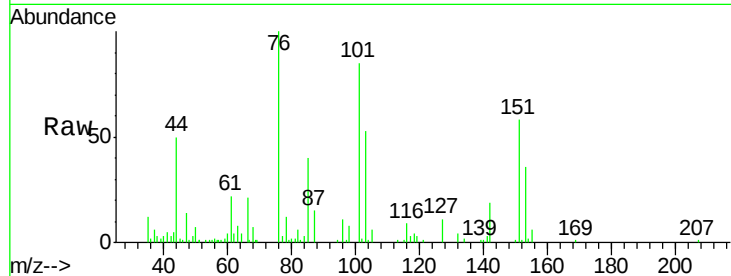
MSVOA_F

ClientSampleId :

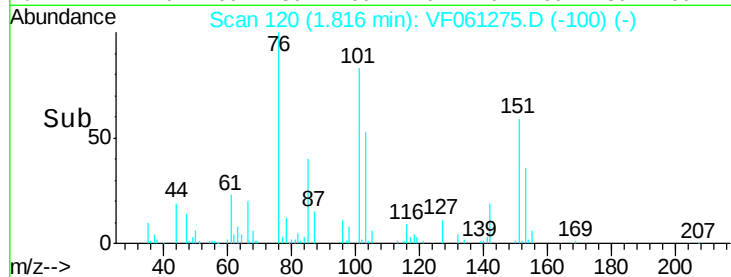
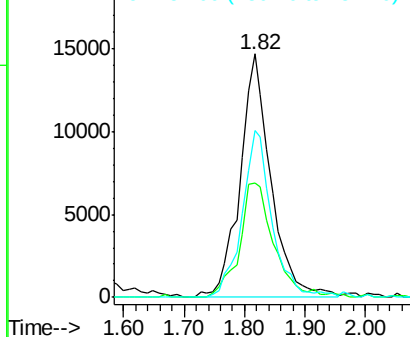
VF0107SBSD01

Tot Ion:	101	Resp:	52145
Ion Ratio	Lower	Upper	
101	100		
85	47.0	42.9	64.3
151	68.4	52.4	78.6

Manual Integrations
APPROVED

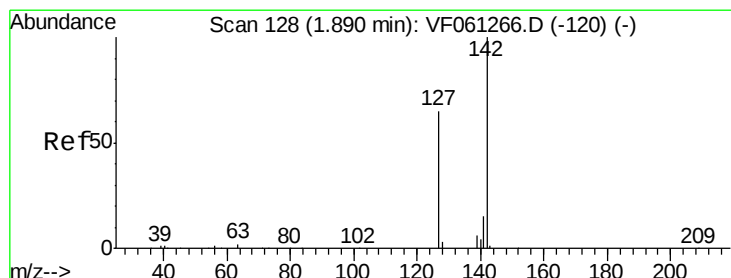


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



MMDadoda

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#10

Methyl Iodide

Concen: 20.001 ug/l m

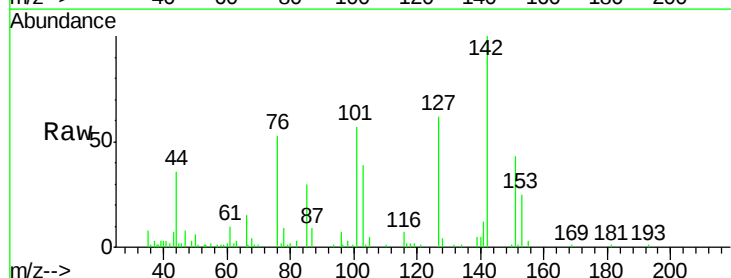
RT: 1.84 min Scan# 122

Delta R.T. -0.05 min

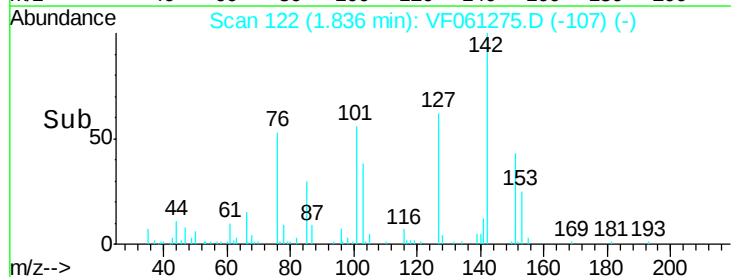
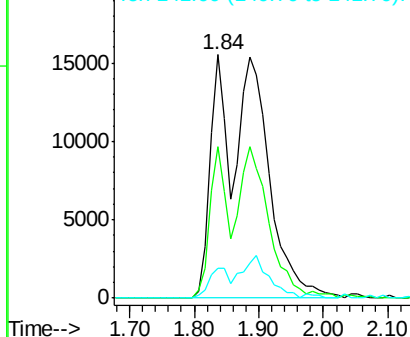
Lab File: VF061275.D

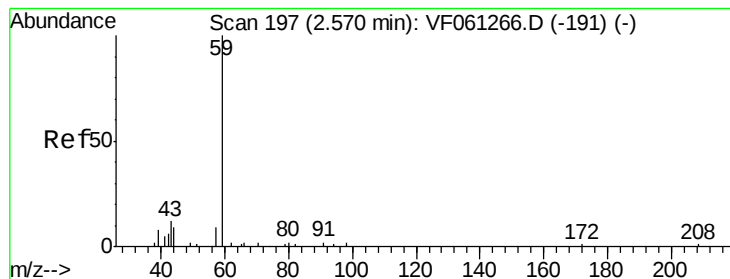
Acq: 7 Jan 2019 13:16

Tgt Ion:	142	Resp:	80054
Ion Ratio	Lower	Upper	
142	100		
127	62.2	52.3	78.5
141	12.1	12.2	18.4#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





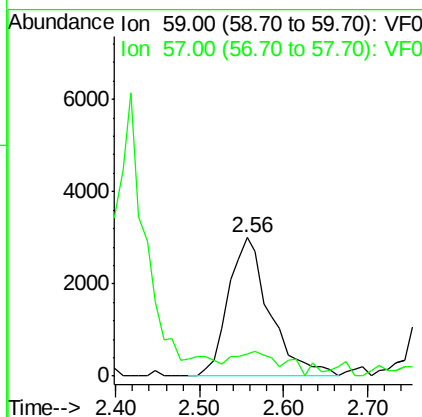
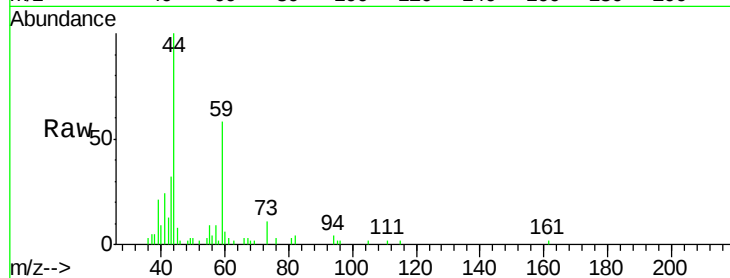
#11

Tert butyl alcohol
Concen: 89.253 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

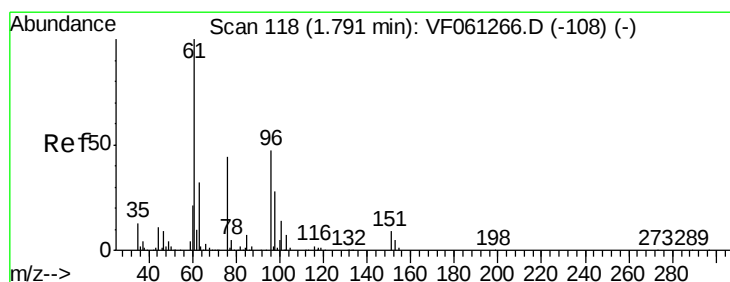
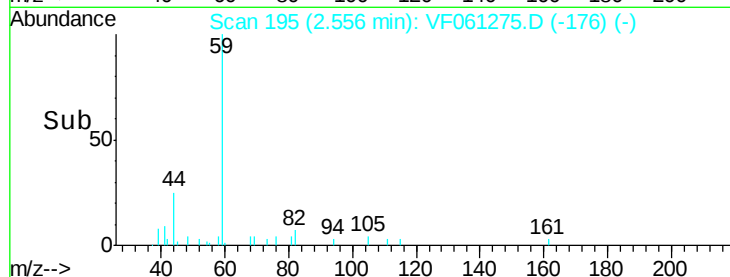
Tot Ion	59	Resp	10339
Ion Ratio	100	Lower	Upper
57	15.8	12.6	18.8

Manual Integrations
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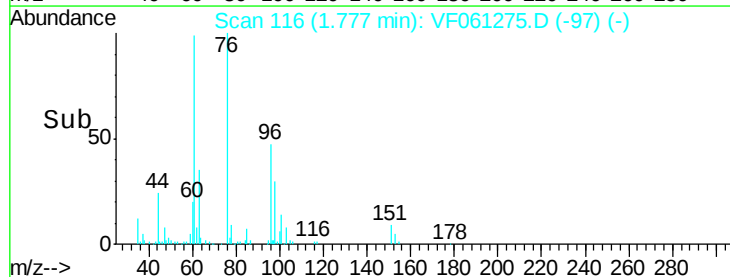
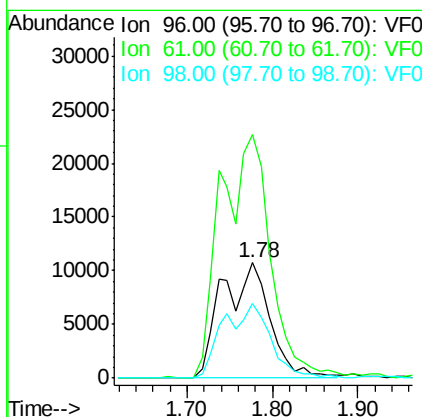
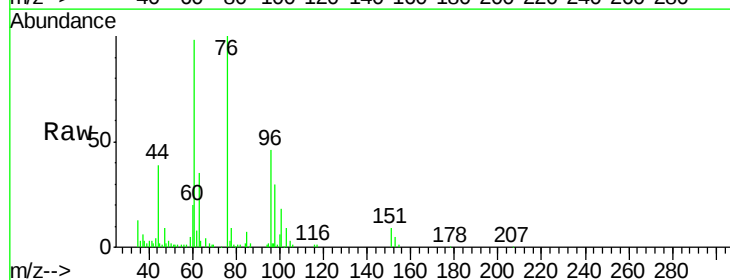
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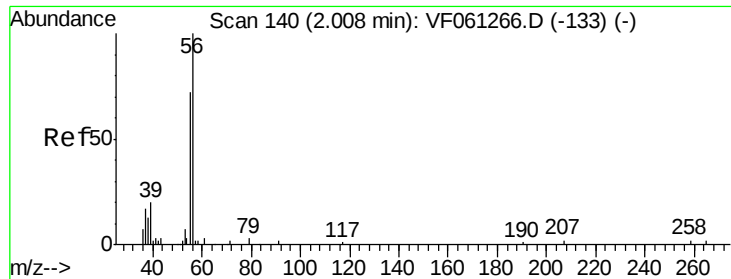


#12

1,1-Dichloroethene
Concen: 20.278 ug/l m
RT: 1.78 min Scan# 116
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	96	Resp	42227
Ion Ratio	100	Lower	Upper
61	211.5	171.6	257.4
98	64.7	48.6	72.8





#13

Acrolein

Concen: 122.122 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

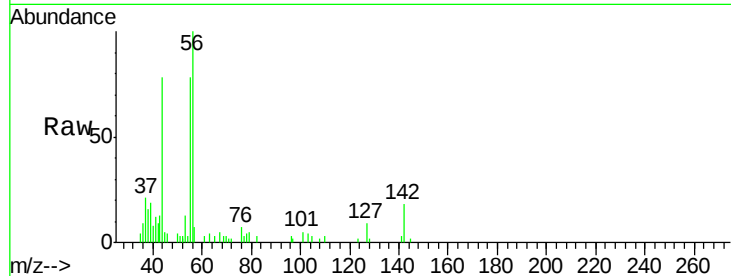
Tot Ion: 56 Resp: 11795

Ion Ratio Lower Upper

56 100

55 77.8 59.7 89.5

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.98

5000

4000

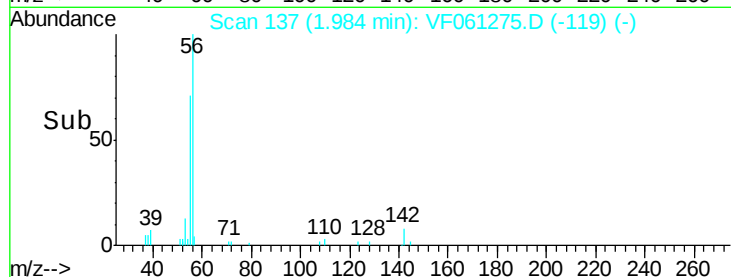
3000

2000

1000

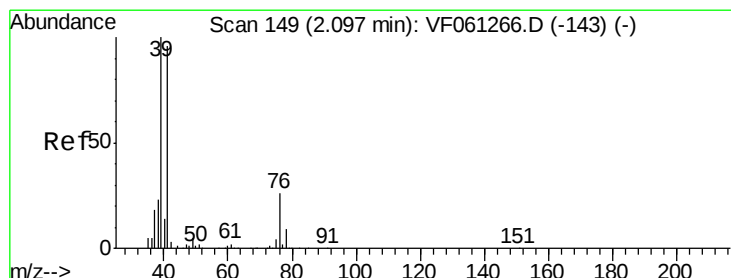
0

Time-->



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#14

Allyl chloride

Concen: 27.809 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

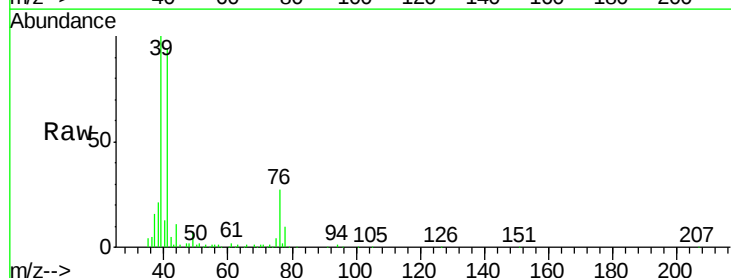
Tgt Ion: 41 Resp: 80060

Ion Ratio Lower Upper

41 100

39 105.9 83.4 125.2

76 28.3 23.9 35.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

50000

40000

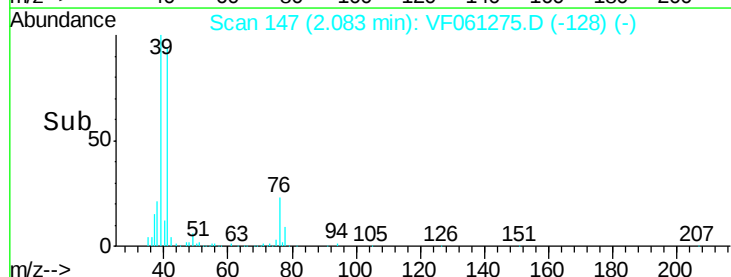
30000

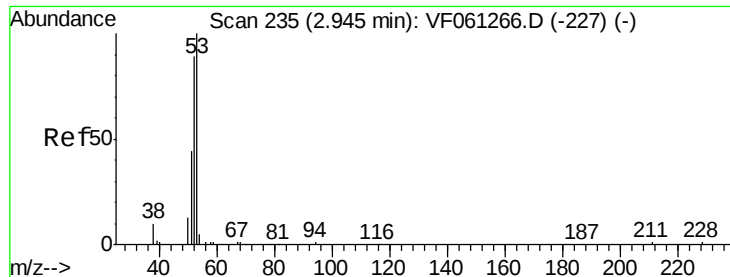
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 103.410 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

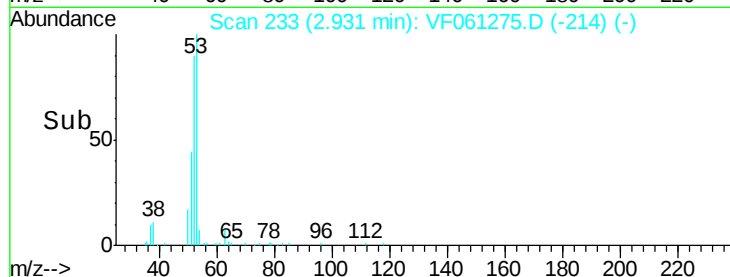
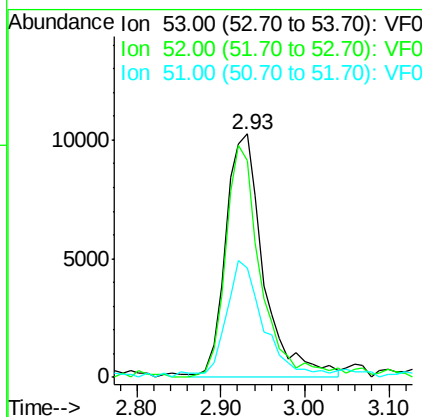
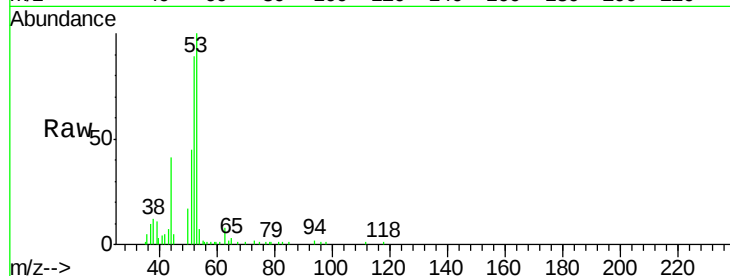
MSVOA_F

ClientSampleId :

VF0107SBSD01

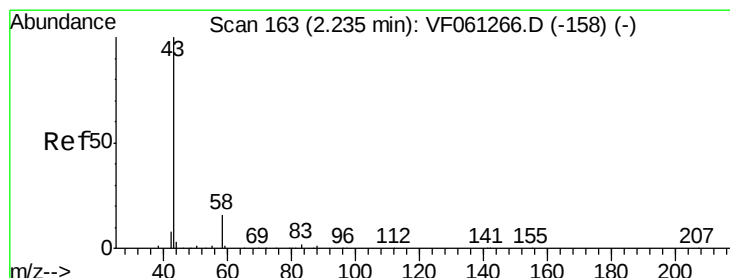
Tot Ion:	53	Resp:	32025
Ion	Ratio	Lower	Upper
53	100		
52	89.2	71.3	106.9
51	45.1	36.2	54.4

Manual Integrations
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#16

Acetone

Concen: 133.700 ug/l

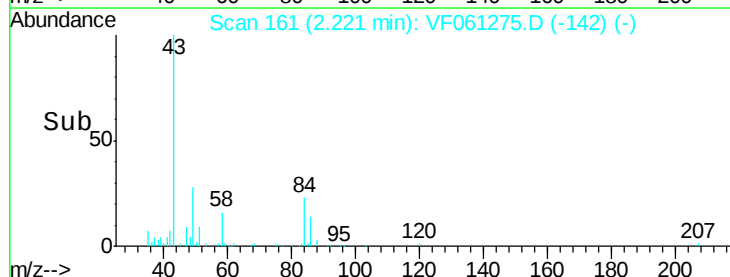
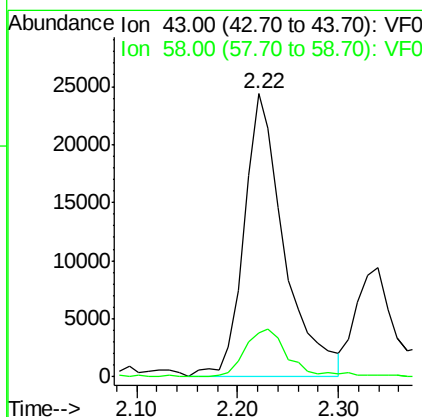
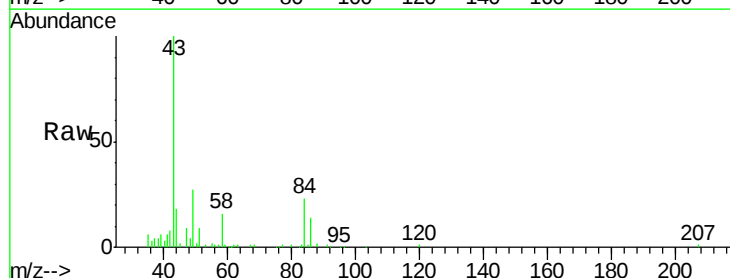
RT: 2.22 min Scan# 161

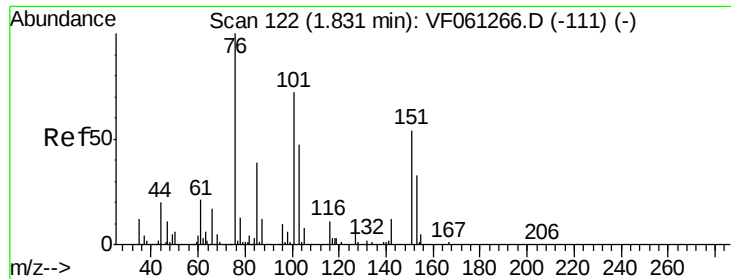
Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion:	43	Resp:	67939
Ion	Ratio	Lower	Upper
43	100		
58	15.5	13.0	19.4



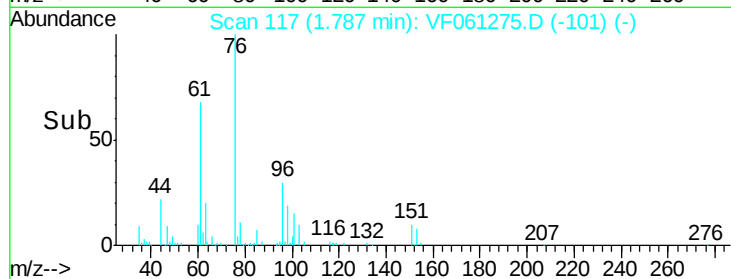
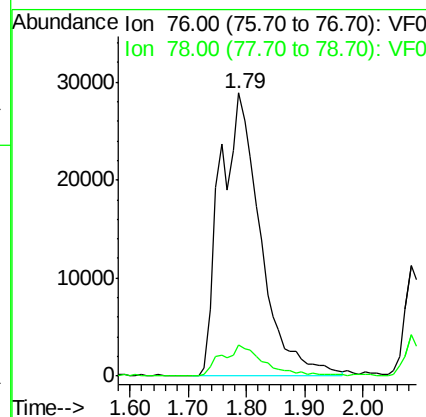
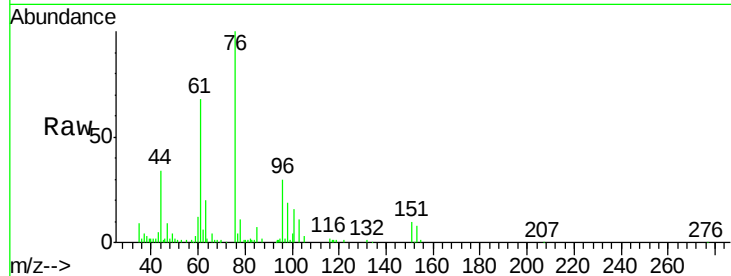


#17
Carbon Disulfide
Concen: 22.054 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.04 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

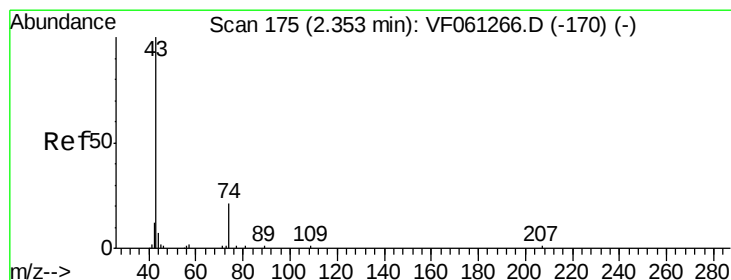
Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	10.2	15.4

Manual Integrations
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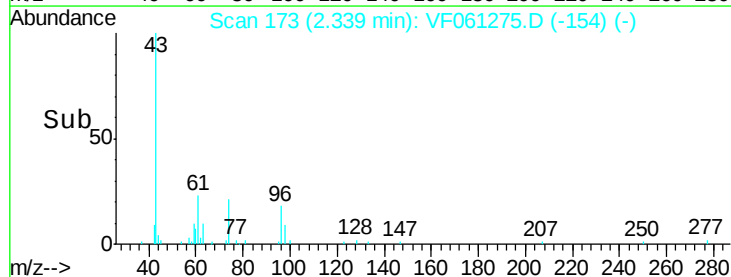
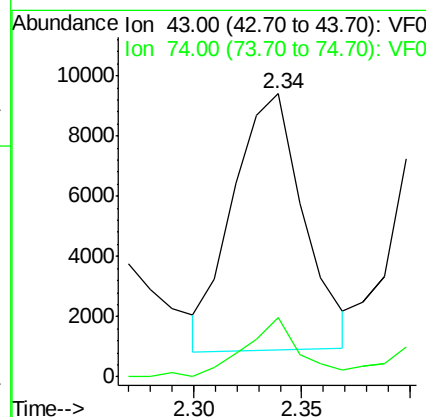
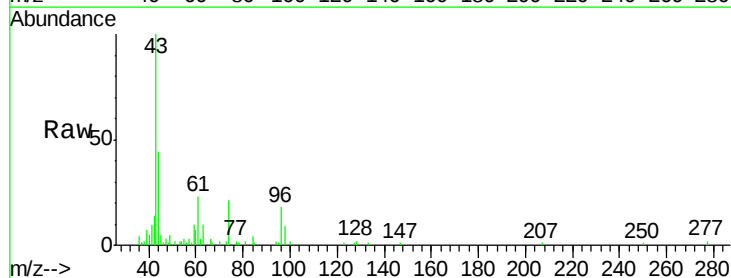
MMDadoda

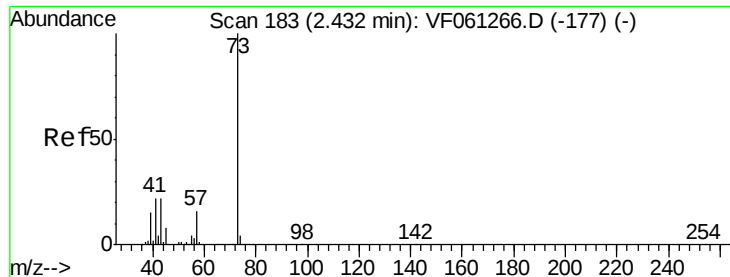
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#18
Methyl Acetate
Concen: 16.920 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	14.4	21.6



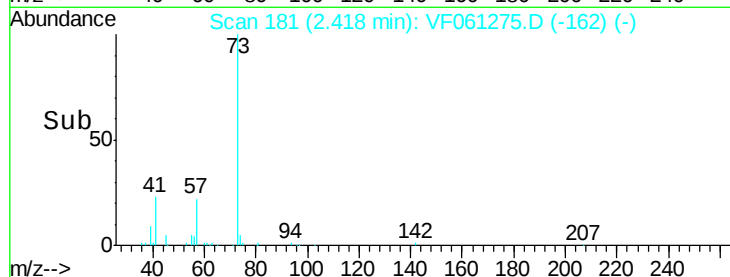
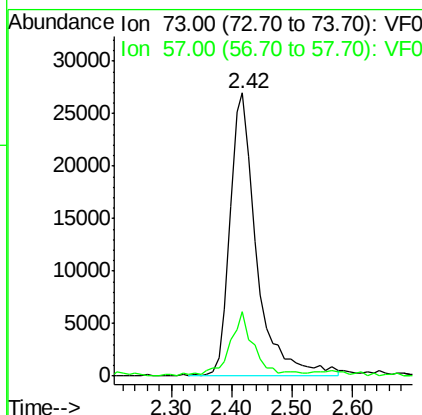
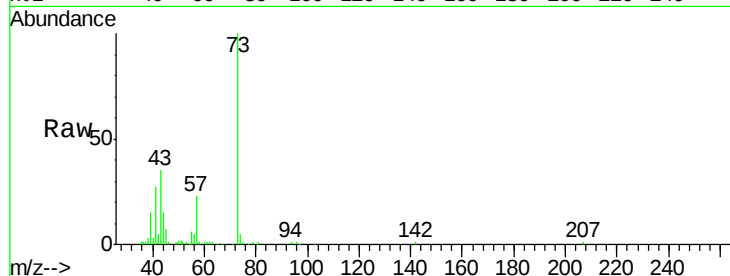


#19
Methvl tert-butvl Ether
Concen: 19.013 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

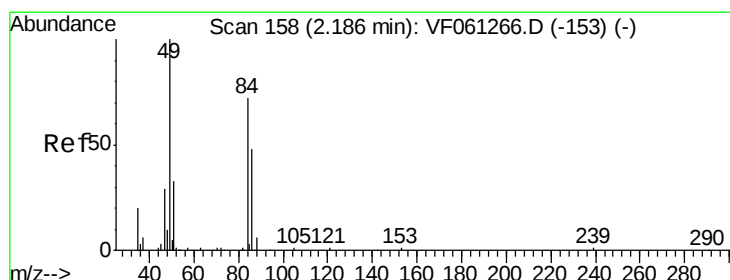
Tot Ion: 73 Resp: 82528
Ion Ratio Lower Upper
73 100
57 22.8 14.0 21.0#

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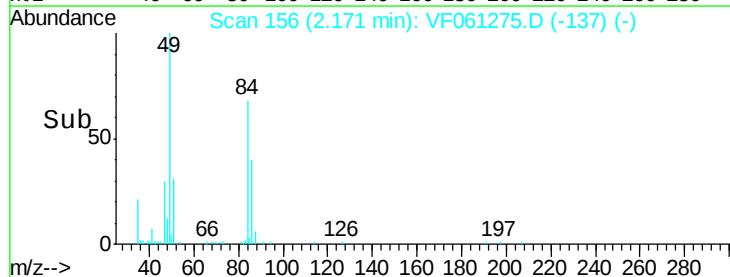
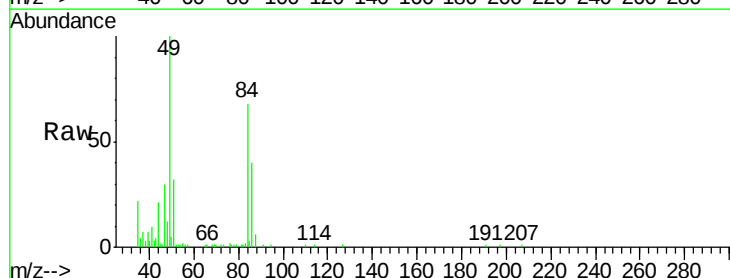
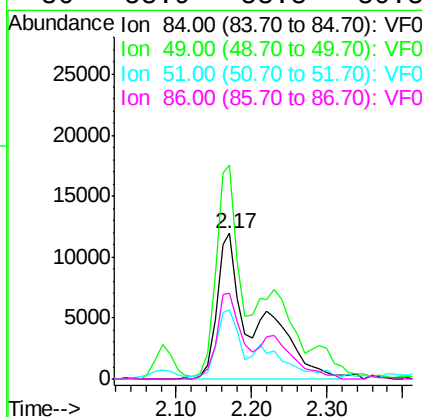
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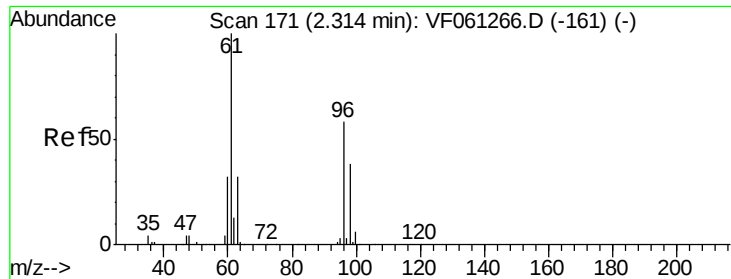
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#20
Methylene Chloride
Concen: 17.254 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 84 Resp: 43052
Ion Ratio Lower Upper
84 100
49 147.0 112.9 169.3
51 47.5 37.9 56.9
86 58.9 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 20.393 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

Tot Ion: 96 Resp: 44665

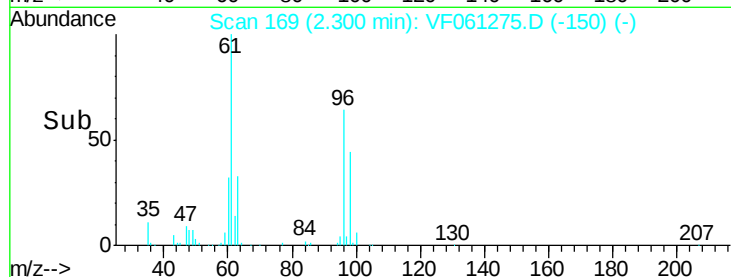
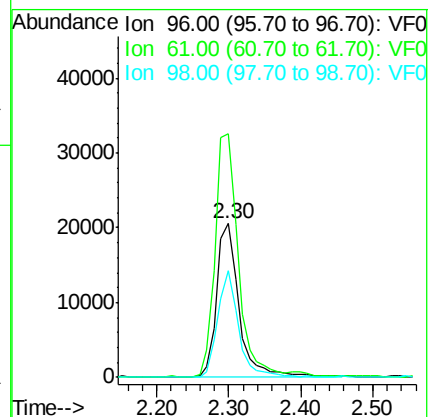
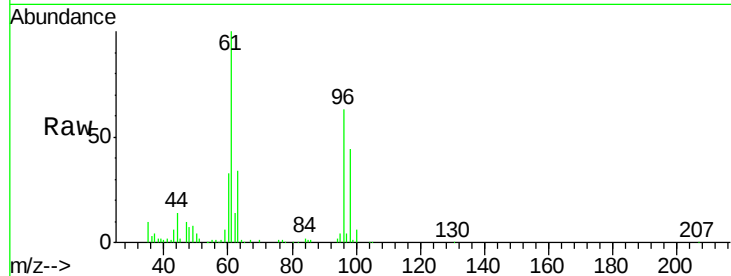
Ion Ratio Lower Upper

96 100

61 158.1 139.3 208.9

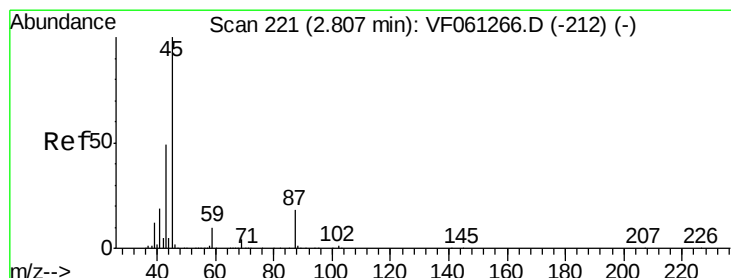
98 69.6 52.6 78.8

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#22

Diisopropyl ether

Concen: 20.791 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion: 45 Resp: 150508

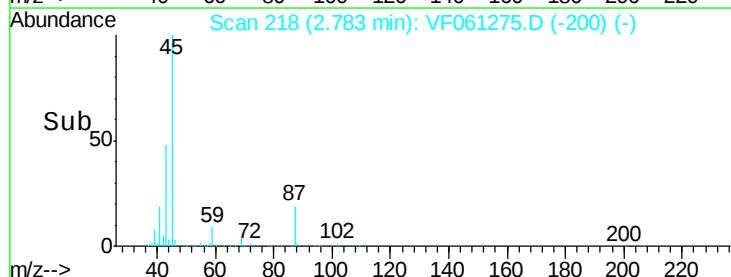
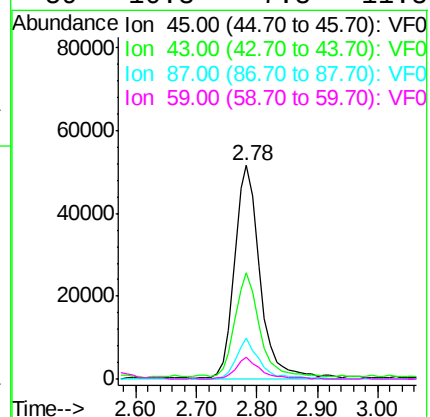
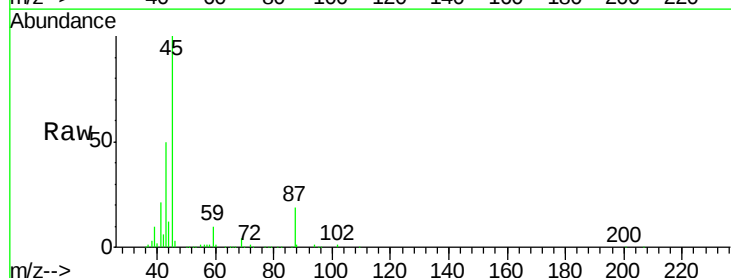
Ion Ratio Lower Upper

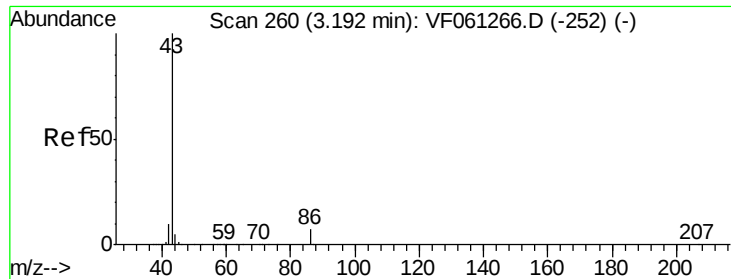
45 100

43 49.8 39.5 59.3

87 19.1 14.8 22.2

59 10.3 7.8 11.8





#23

Vinyl Acetate

Concen: 70.995 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

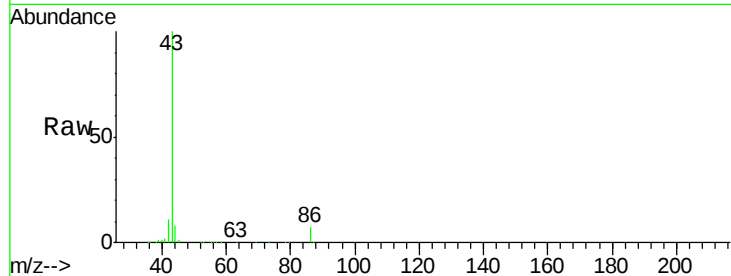
Tot Ion: 43 Resp: 235360

Ion Ratio Lower Upper

43 100

86 7.0 6.0 9.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

100000

80000

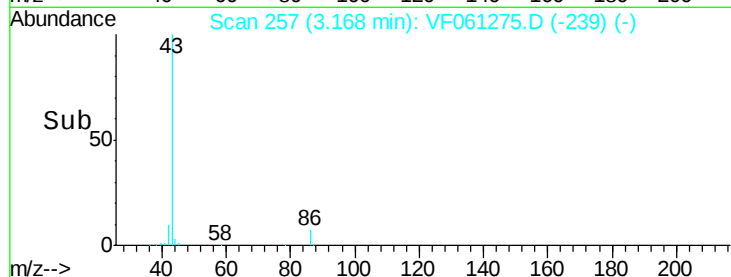
60000

40000

20000

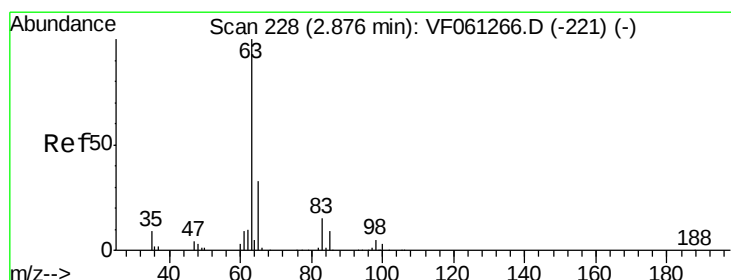
0

Time--> 3.00 3.10 3.20 3.30



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#24

1,1-Dichloroethane

Concen: 21.347 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

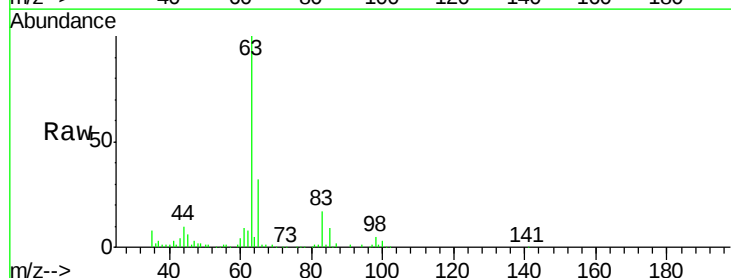
Tgt Ion: 63 Resp: 90602

Ion Ratio Lower Upper

63 100

98 5.3 2.5 7.5

100 2.7 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

50000

40000

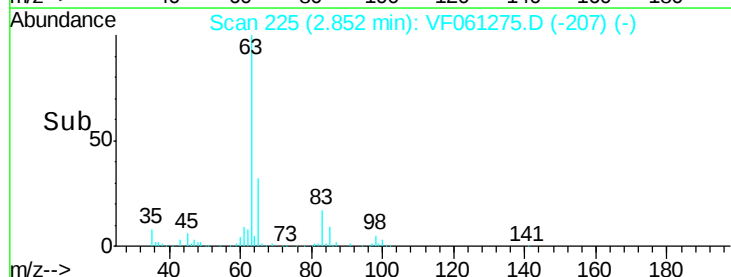
30000

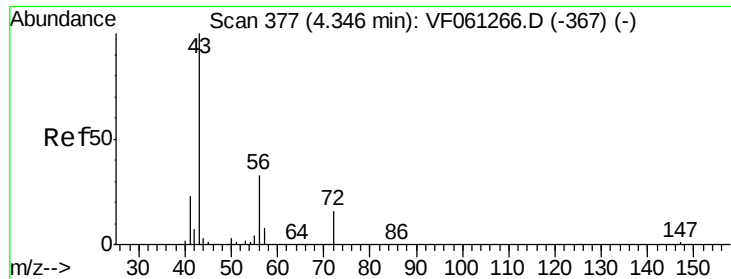
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 94.806 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.04 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tot Ion: 43 Resp: 94691

Ion Ratio Lower Upper

43 100

72 17.4 13.0 19.6

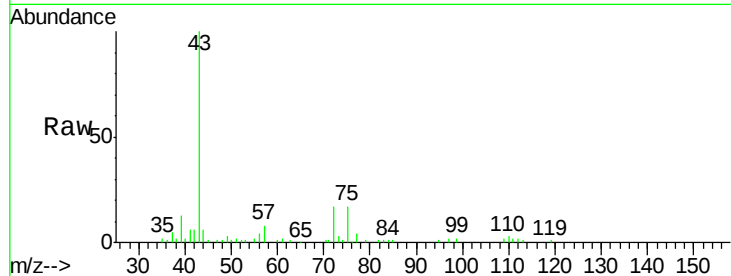
Instrument :

MSVOA_F

ClientSampleId :

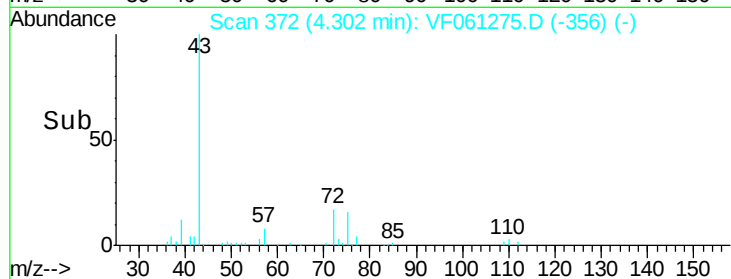
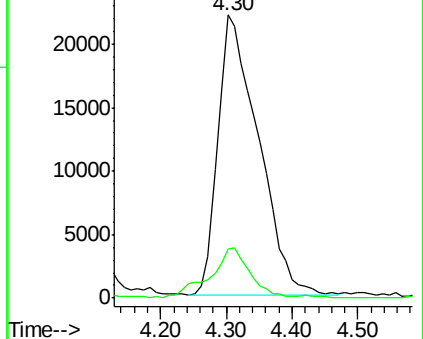
VF0107SBSD01

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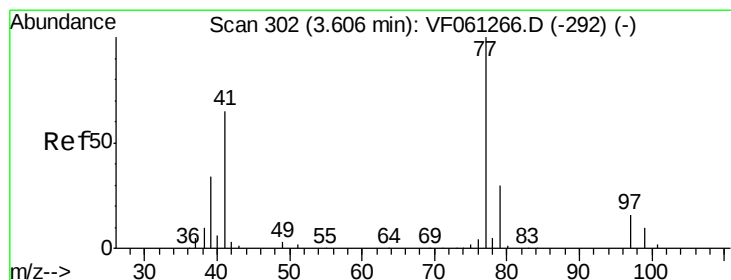
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



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#26

2,2-Dichloropropane

Concen: 24.017 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.03 min

Lab File: VF061275.D

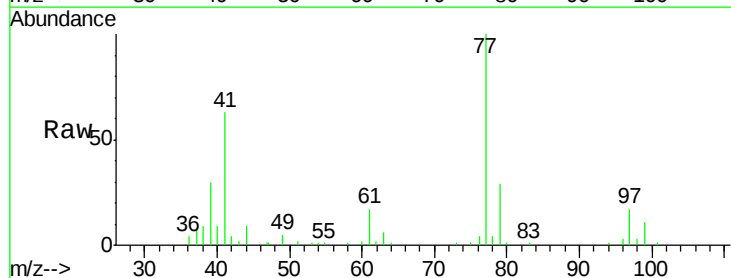
Acq: 7 Jan 2019 13:16

Tgt Ion: 77 Resp: 58700

Ion Ratio Lower Upper

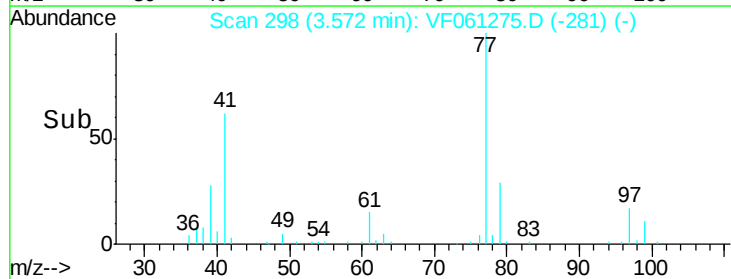
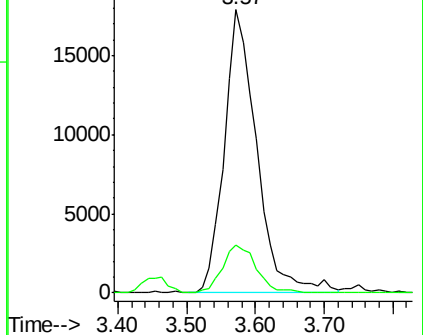
77 100

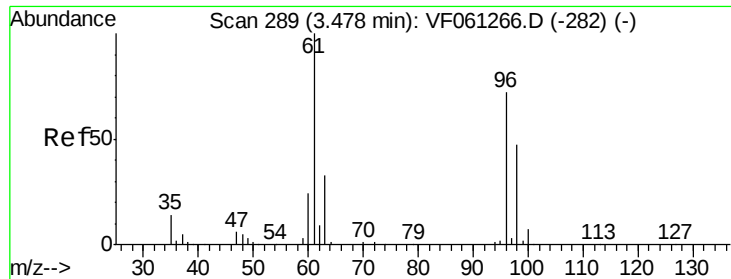
97 17.1 8.9 26.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



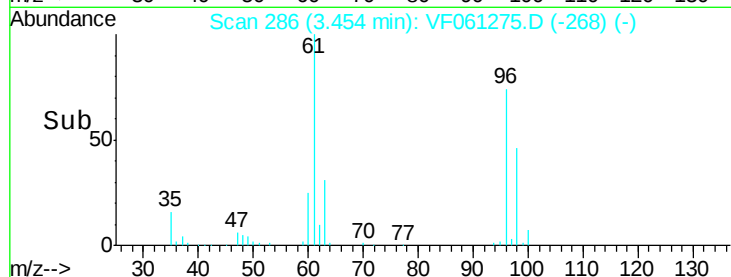
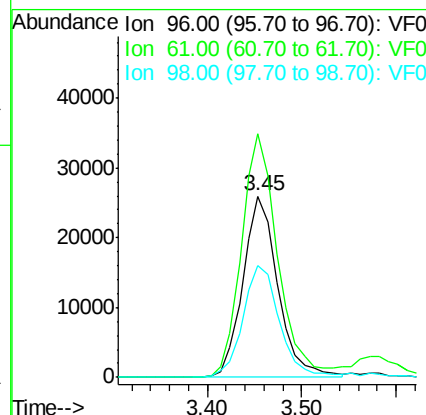
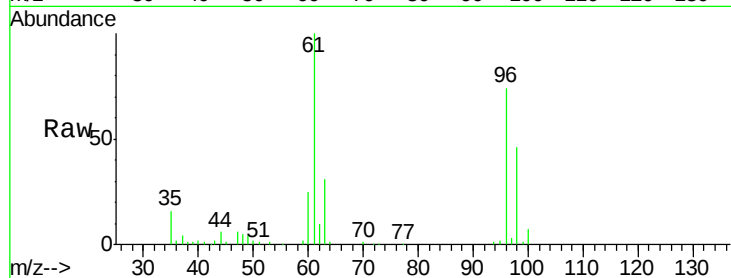


#27
 cis-1,2-Dichloroethene
 Concen: 20.696 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

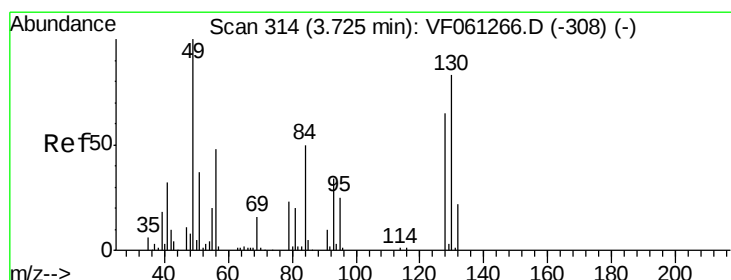
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	277.8
98	62.1	0.0	130.8

Manual Integrations
 APPROVED



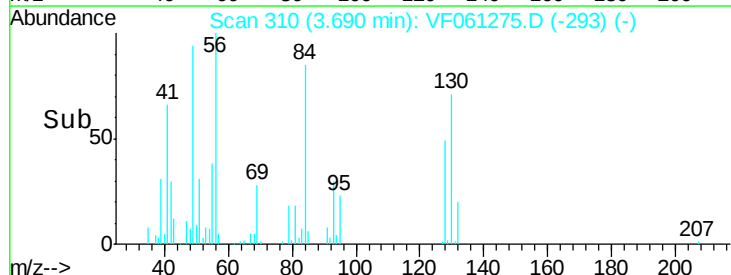
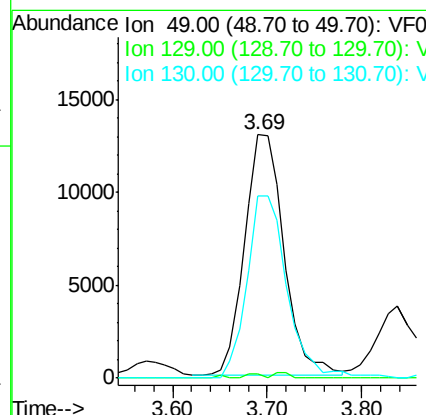
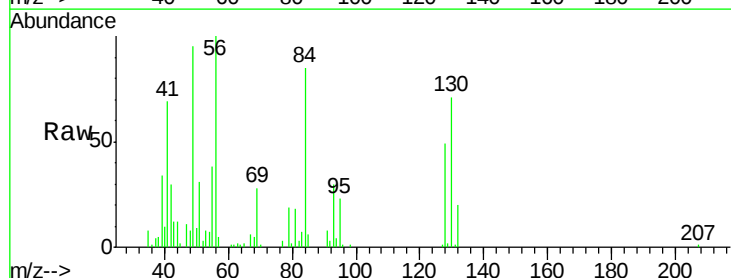
MMDadoda

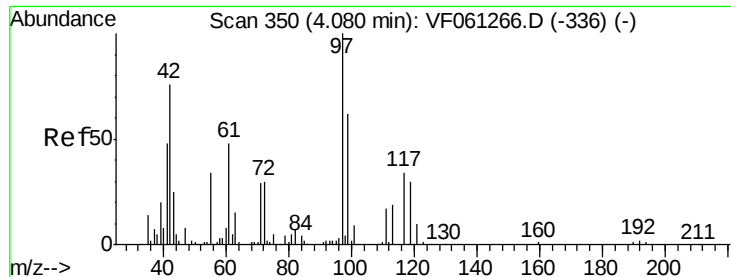
1/8/2019 12:58:04 PM



#28
 Bromochloromethane
 Concen: 18.642 ug/l
 RT: 3.69 min Scan# 310
 Delta R.T. -0.03 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.4
130	74.7	65.7	98.5



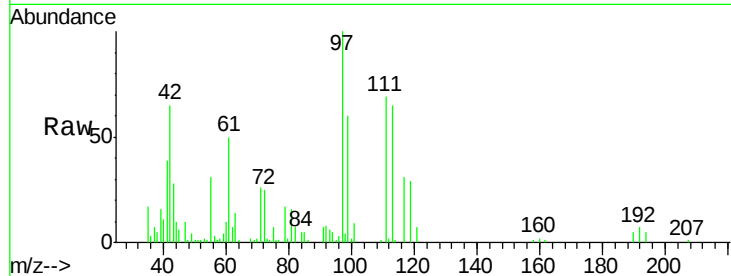


#29
Tetrahydrofuran
Concen: 113.140 ug/l
RT: 4.06 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

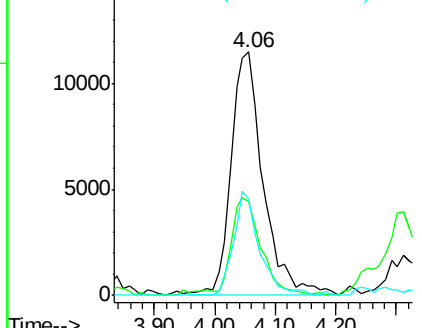
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	29.2	43.8
71	34.5	29.1	43.7

Manual Integrations
APPROVED

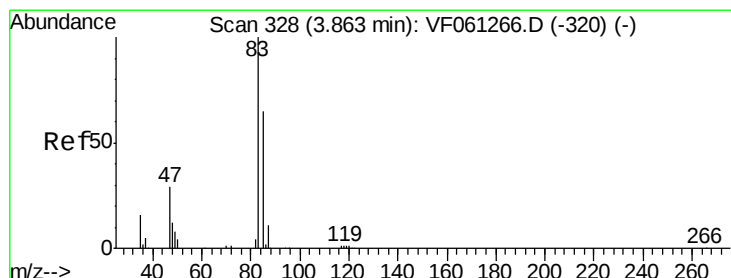
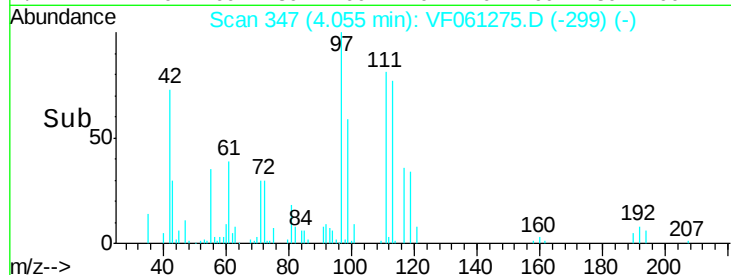


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



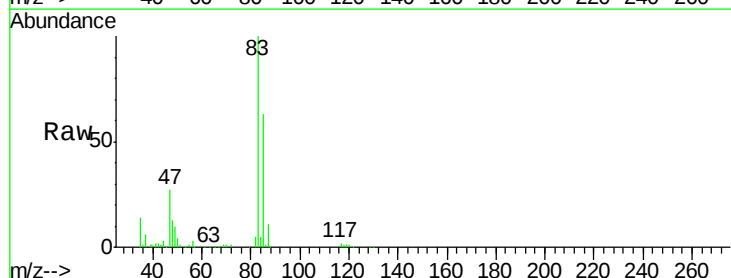
MMDadoda

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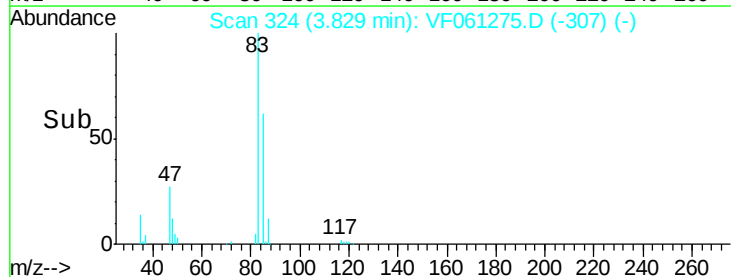
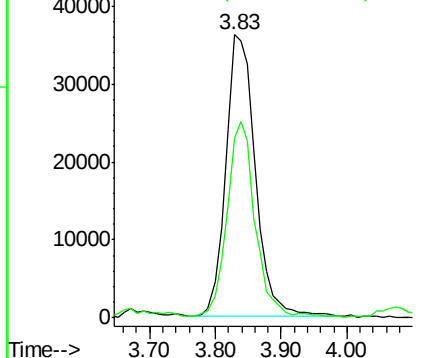


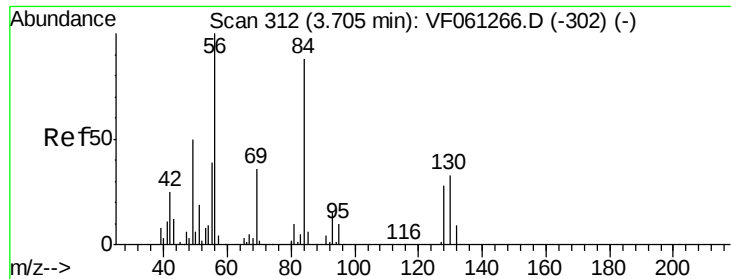
#30
Chloroform
Concen: 19.075 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0



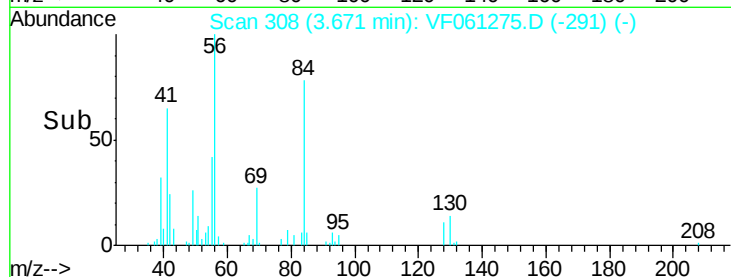
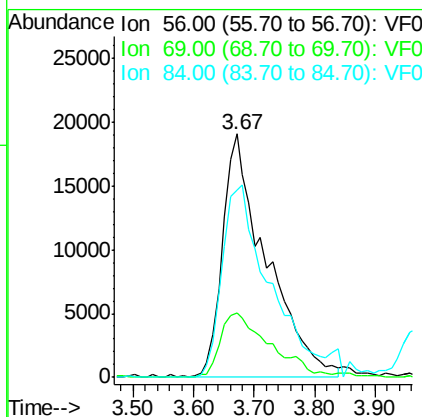
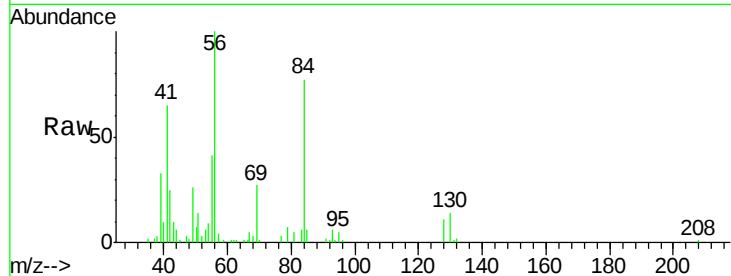


#31
Cyclohexane
Concen: 21.304 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

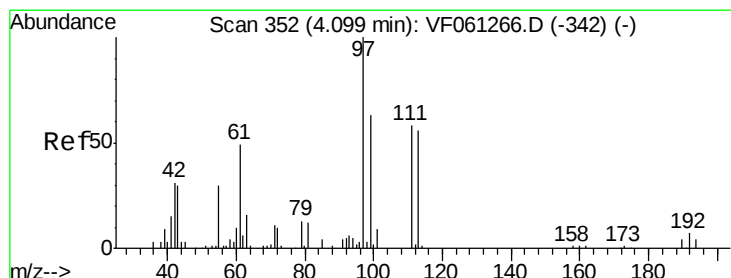
Tot Ion	Ratio	Lower	Upper
56	100		
69	26.5	28.7	43.1#
84	76.8	70.6	106.0

Manual Integrations
APPROVED



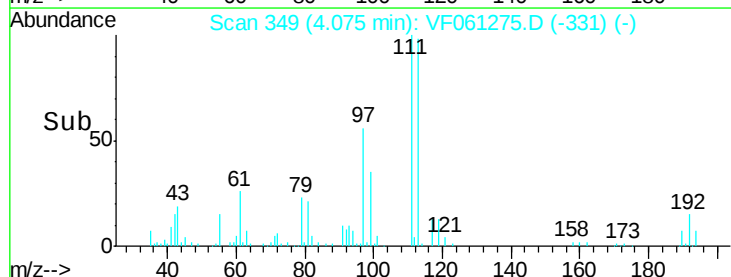
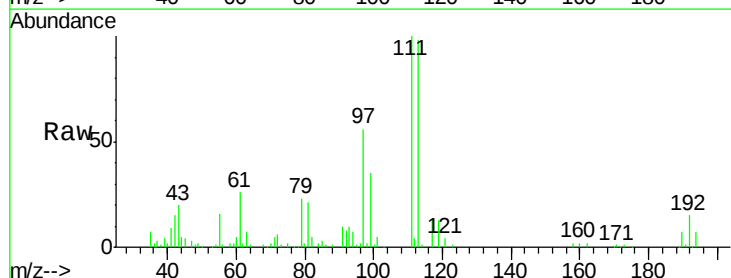
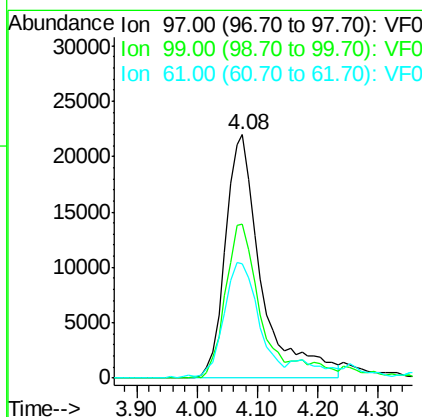
MMDadoda

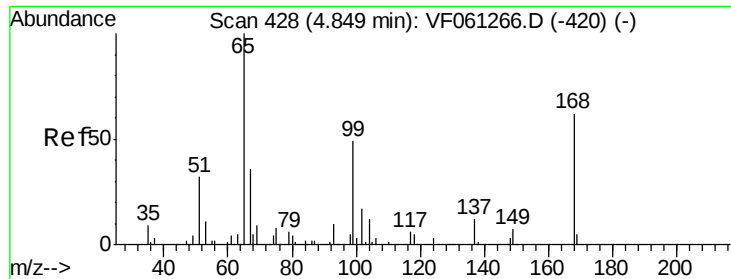
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#32
1,1,1-Trichloroethane
Concen: 23.573 ug/l
RT: 4.08 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	46.9	39.6	59.4



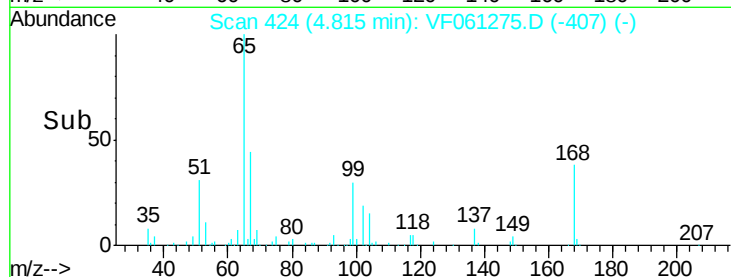
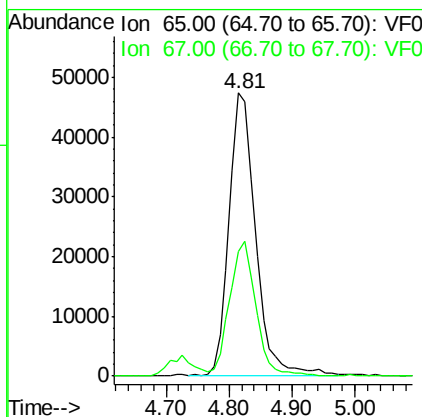
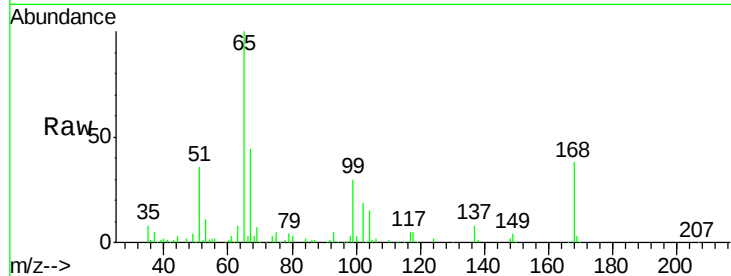


#33
 1,2-Dichloroethane-d4
 Concen: 49.949 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.03 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

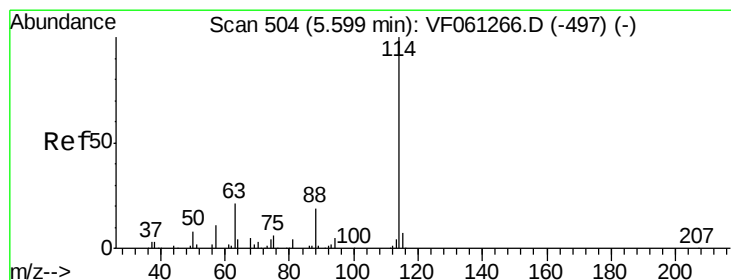
Tot Ion	Ratio	Resp	Lower	Upper
65	100	137121		
67	44.1	0.0	90.4	

Manual Integrations
 APPROVED



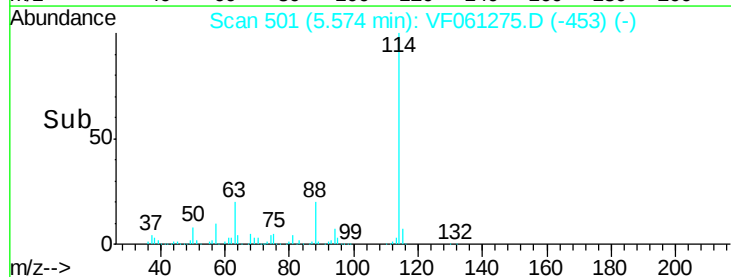
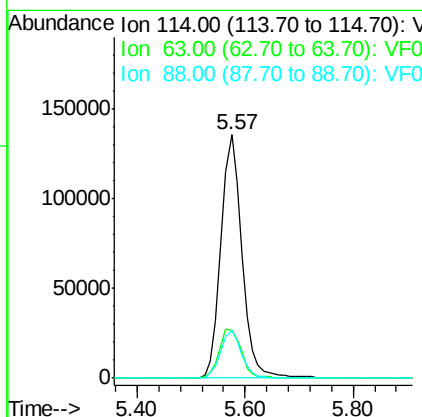
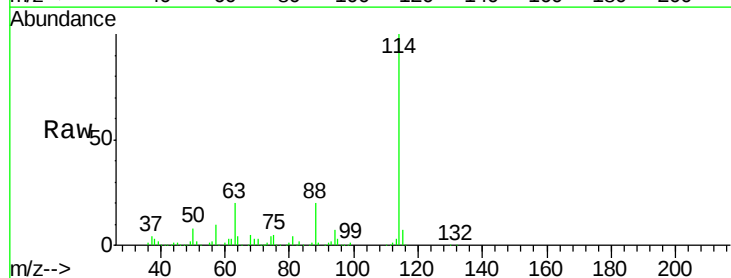
MMDadoda

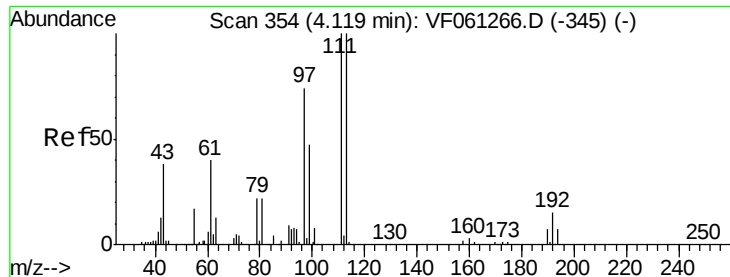
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	365780		
63	19.8	0.0	41.8	
88	19.6	0.0	38.4	





#35

Dibromofluoromethane

Concen: 54.789 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

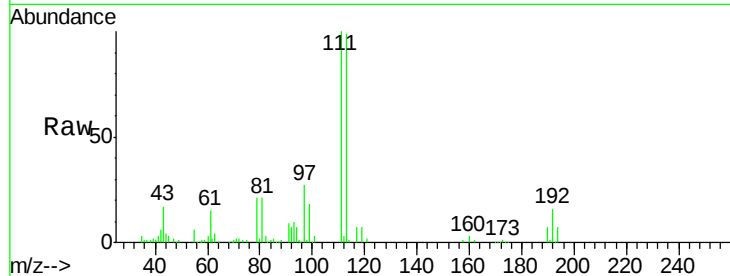
Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

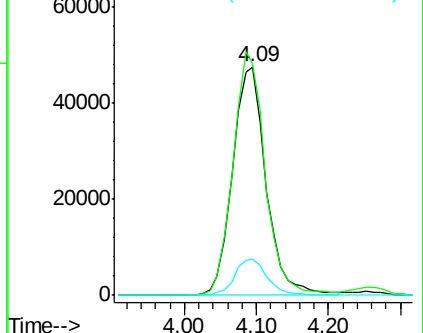
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

Tot Ion:	113	Resp:	154184
Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.8	119.6
192	16.0	11.9	17.9

Manual Integrations
APPROVED

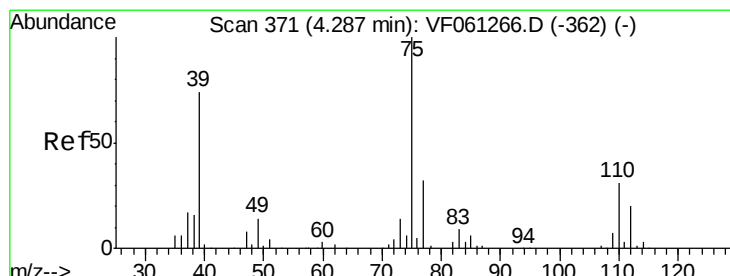
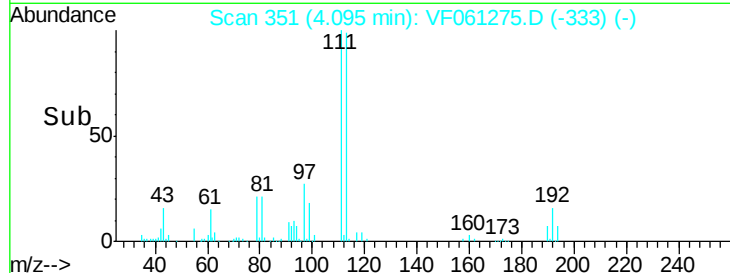


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



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#36

1,1-Dichloropropene

Concen: 20.225 ug/l

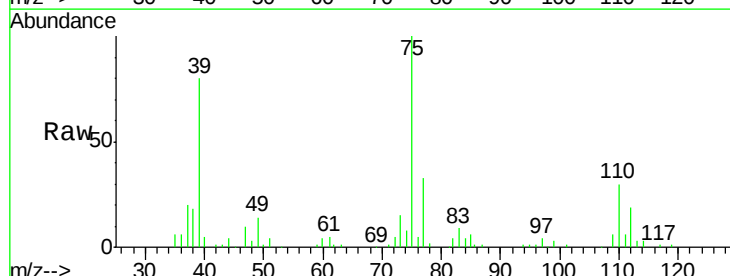
RT: 4.25 min Scan# 367

Delta R.T. -0.03 min

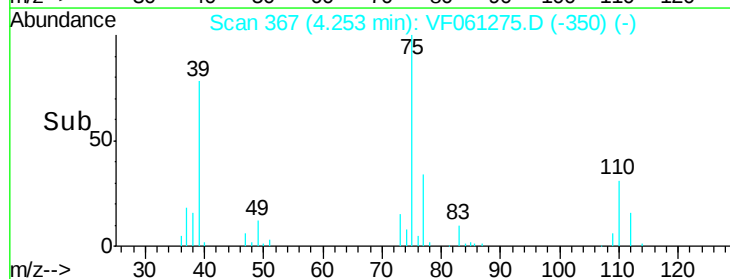
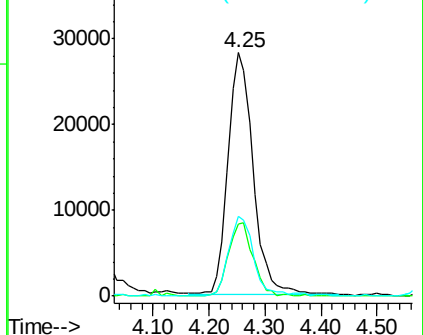
Lab File: VF061275.D

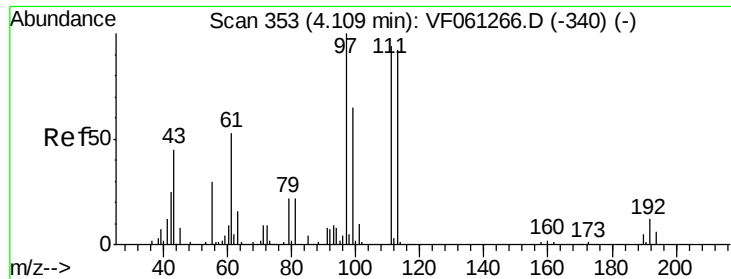
Acq: 7 Jan 2019 13:16

Tgt Ion:	75	Resp:	87128
Ion	Ratio	Lower	Upper
75	100		
110	29.8	15.4	46.4
77	32.8	25.6	38.4



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0



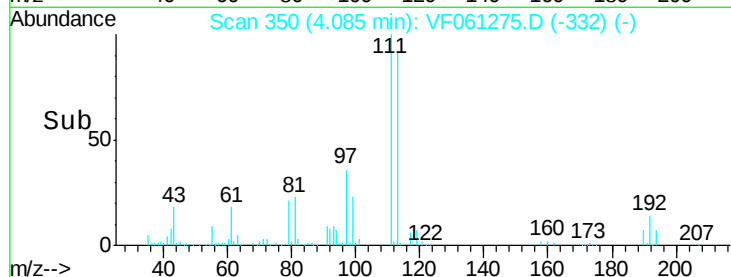
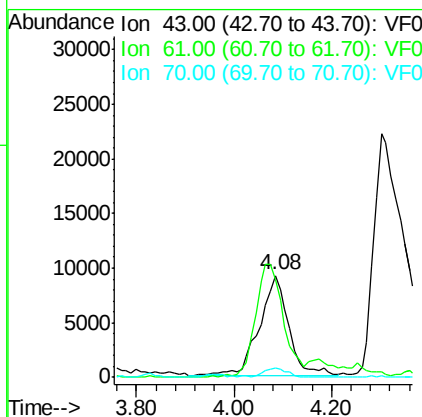
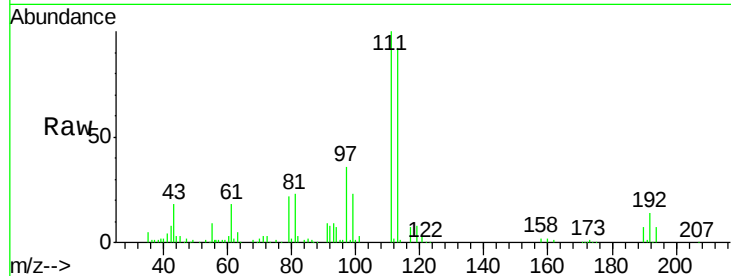


#37
Ethyl Acetate
Concen: 22.277 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

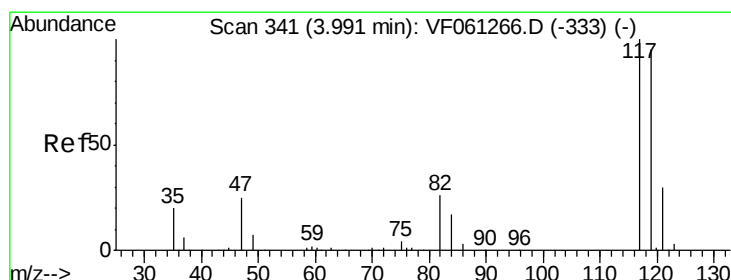
Tot Ion	43	61	70
Resp	38317	96.3	9.3
Ratio	100	96.3	9.3
Lower		91.2	7.1
Upper		136.8	10.7

Manual Integrations
APPROVED



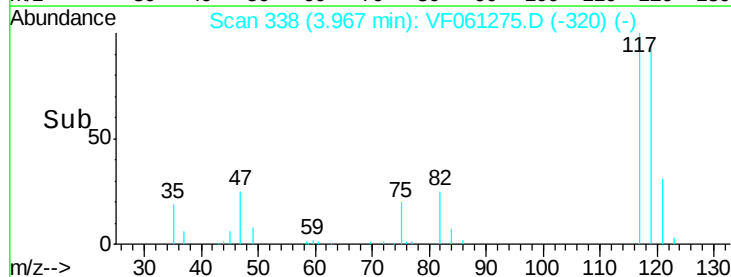
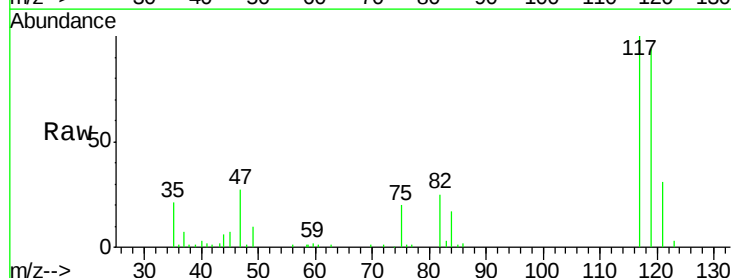
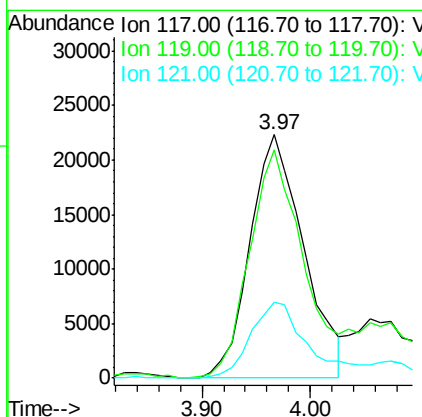
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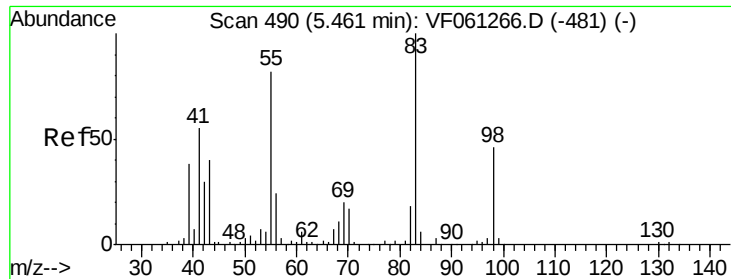
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#38
Carbon Tetrachloride
Concen: 22.369 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	117	119	121
Resp	77148	93.8	31.1
Ratio	100	93.8	31.1
Lower		76.0	23.8
Upper		114.0	35.8



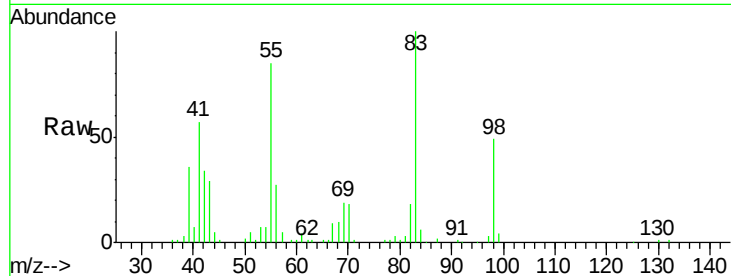


#39
Methvlcvclohexane
Concen: 23.203 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.2	65.6	98.4	
98	49.5	36.7	55.1	

Manual Integrations
APPROVED

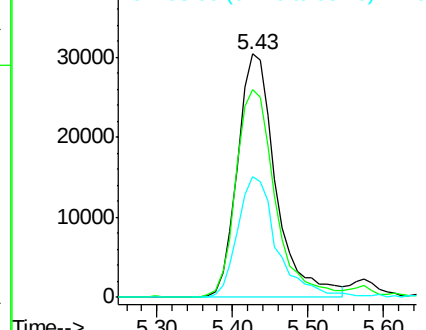


Abundance

Ion 83.00 (82.70 to 83.70): VF0

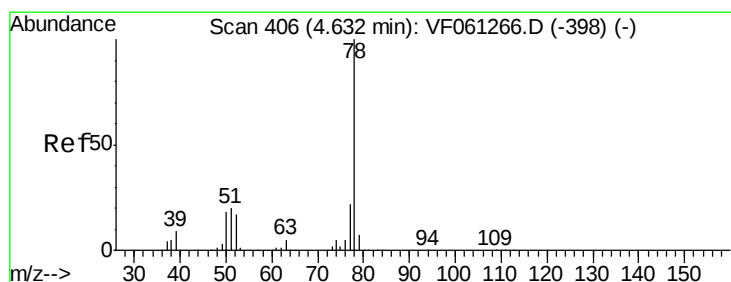
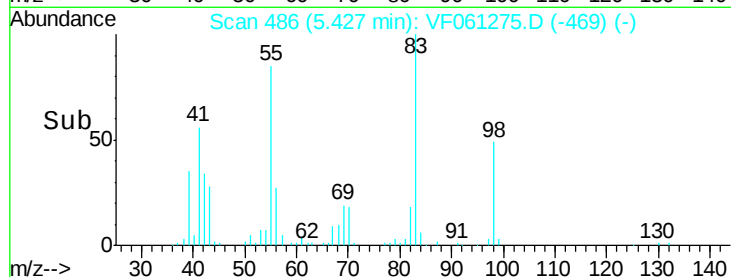
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



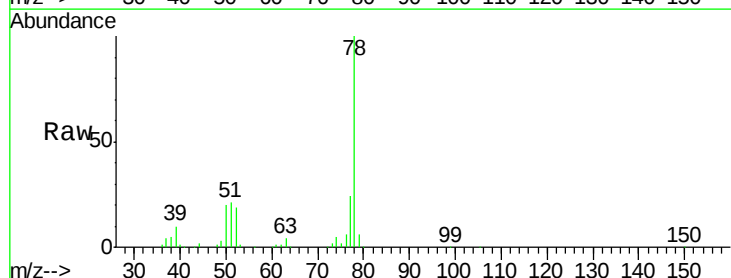
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#40
Benzene
Concen: 20.541 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

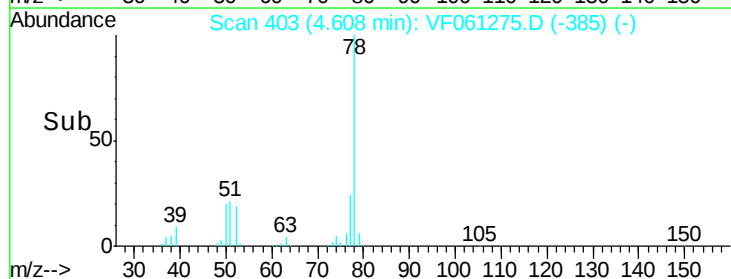
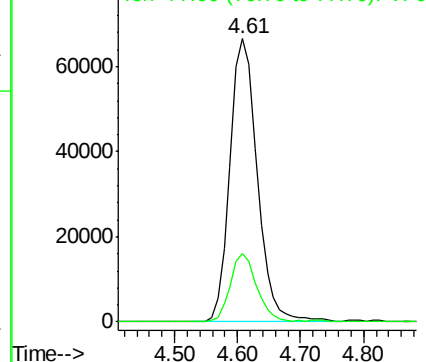
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	18.0	27.0	

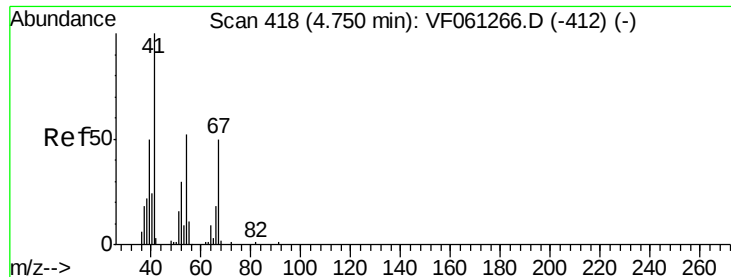


Abundance

Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 21.581 ug/l

RT: 4.72 min Scan# 414

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

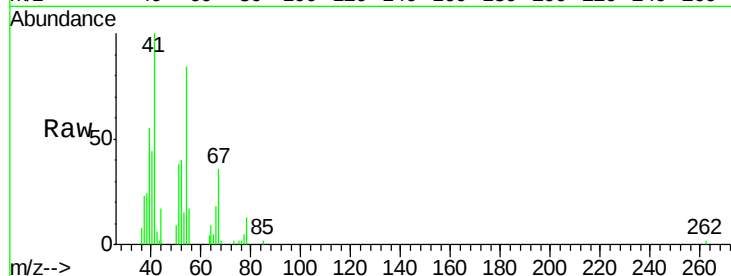
MSVOA_F

ClientSampleId :

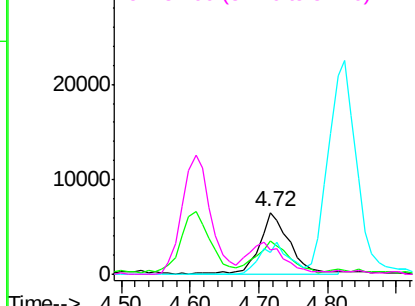
VF0107SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.7	44.6	66.8
67	36.0	39.3	58.9
52	39.9	35.3	52.9

Manual Integrations
APPROVED

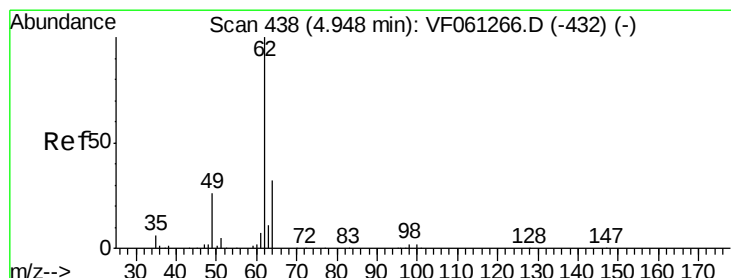
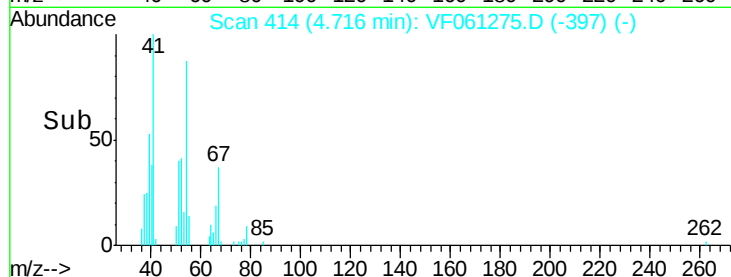


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



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#42

1,2-Dichloroethane

Concen: 20.128 ug/l

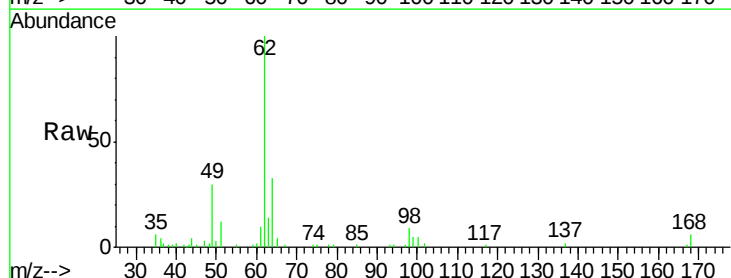
RT: 4.92 min Scan# 435

Delta R.T. -0.02 min

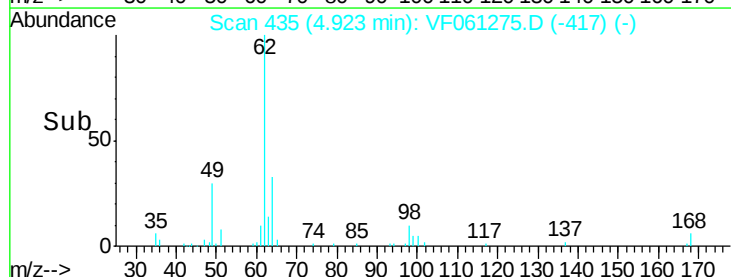
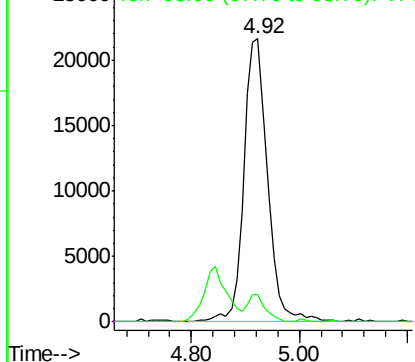
Lab File: VF061275.D

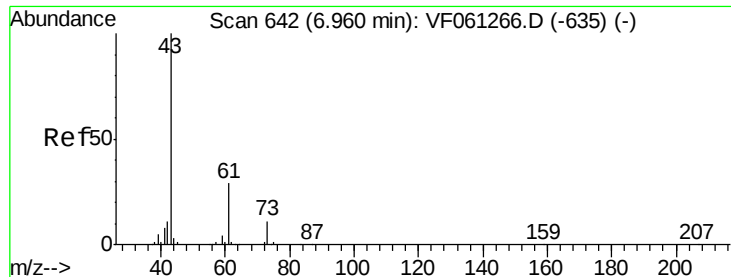
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	13.4



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 17.619 ug/l

RT: 6.94 min Scan# 639

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

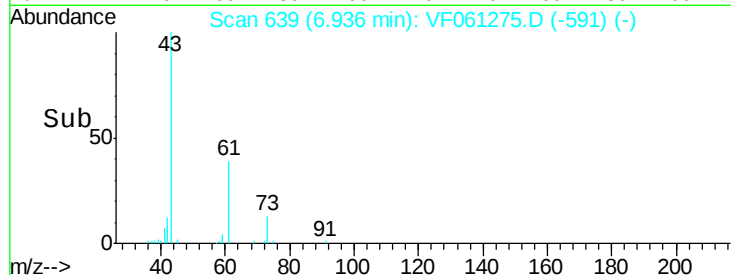
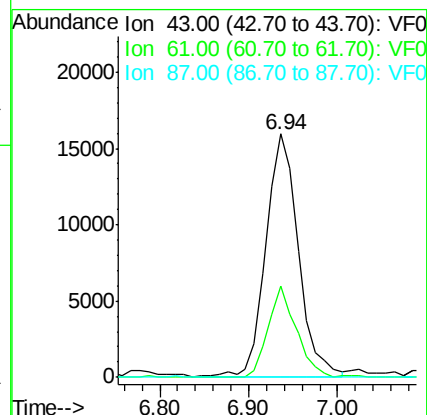
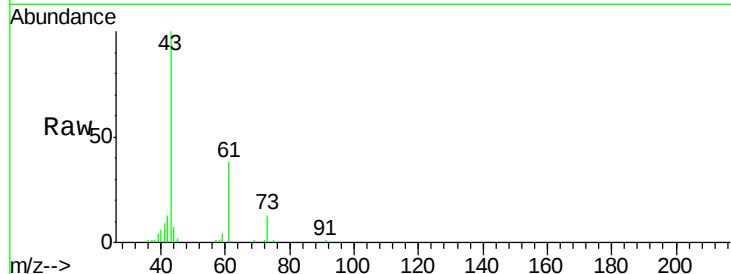
MSVOA_F

ClientSampleId :

VF0107SBSD01

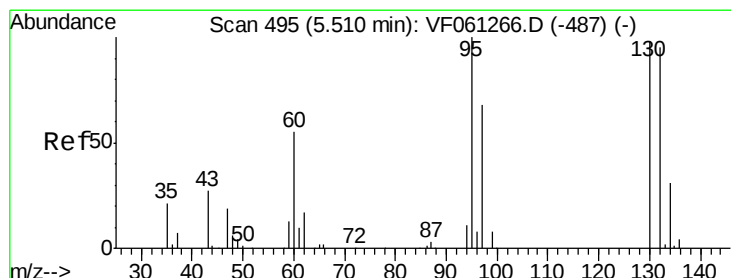
Tot Ion:	43	Resp:	40436
Ion	Ratio	Lower	Upper
43	100		
61	37.6	23.4	35.2#
87	0.0	0.3	0.5#

Manual Integrations
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#44

Trichloroethene

Concen: 21.226 ug/l

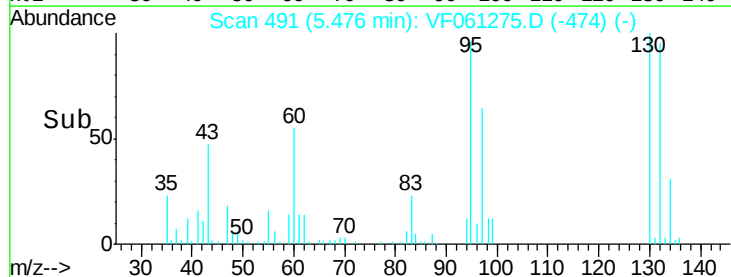
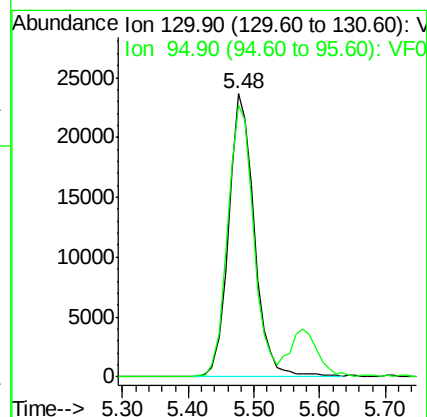
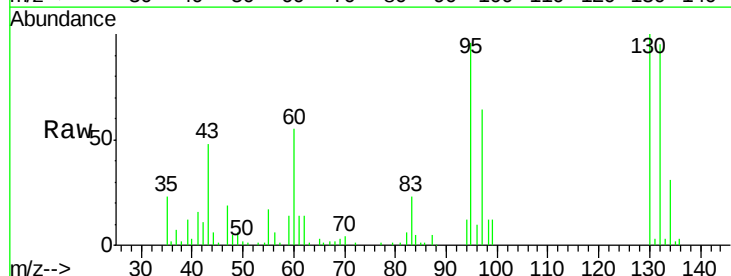
RT: 5.48 min Scan# 491

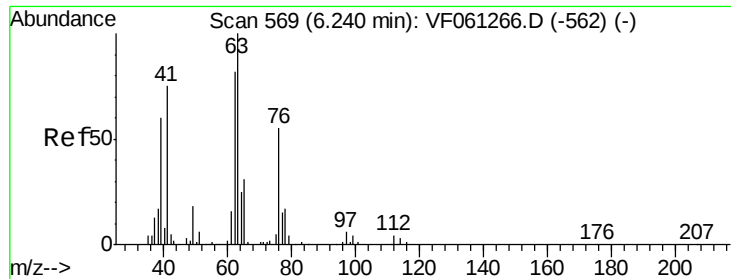
Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion:	130	Resp:	64597
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	204.0





#45

1,2-Dichloropropane

Concen: 21.451 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

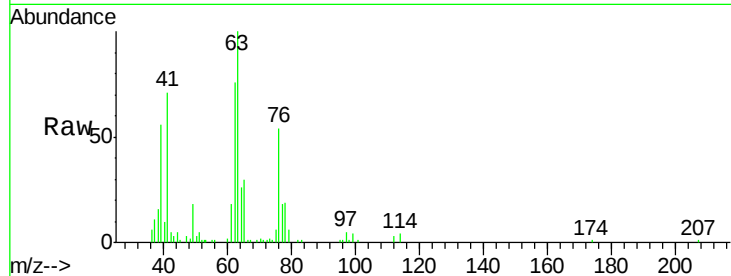
Tot Ion: 63 Resp: 53545

Ion Ratio Lower Upper

63 100

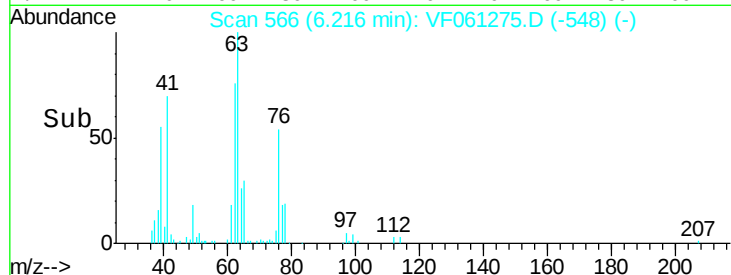
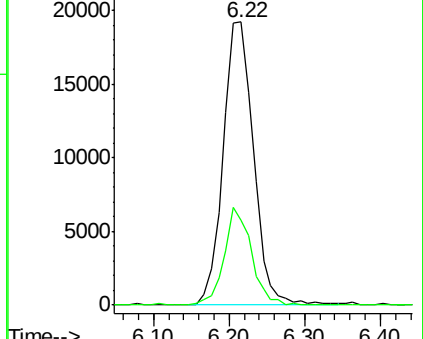
65 29.8 24.4 36.6

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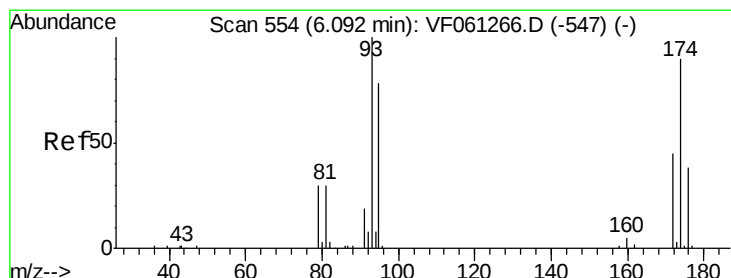
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



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#46

Dibromomethane

Concen: 19.263 ug/l

RT: 6.06 min Scan# 550

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

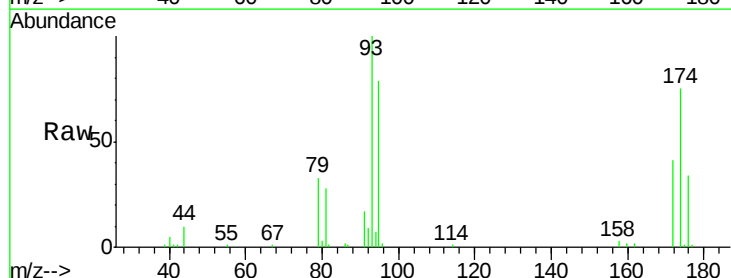
Tgt Ion: 93 Resp: 31638

Ion Ratio Lower Upper

93 100

95 80.3 62.4 93.6

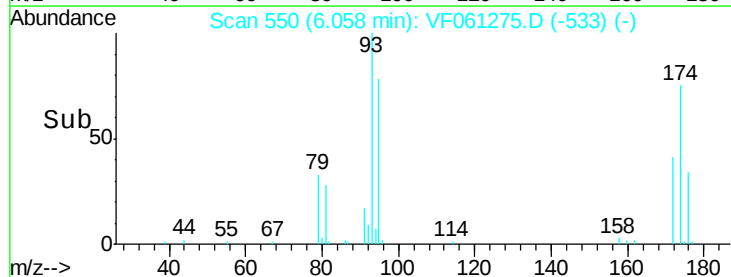
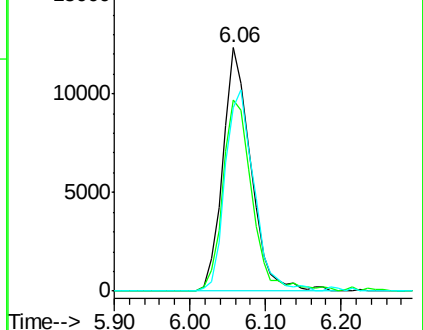
174 75.5 71.9 107.9

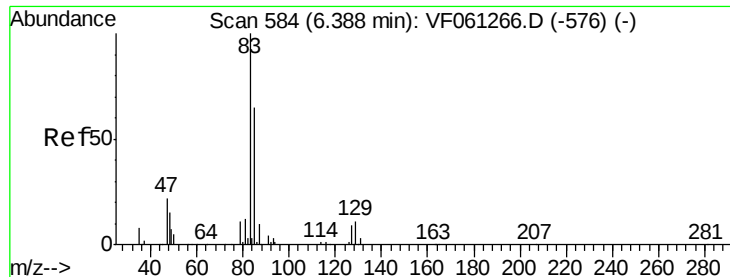


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.616 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

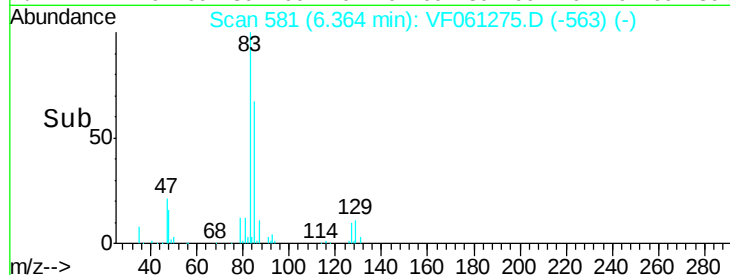
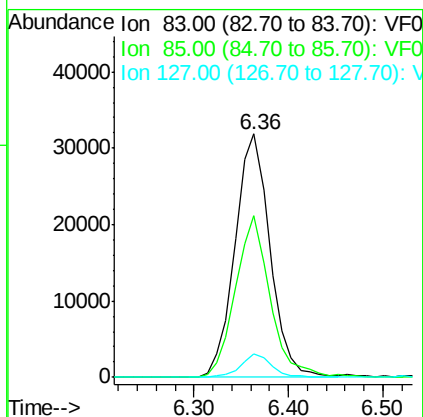
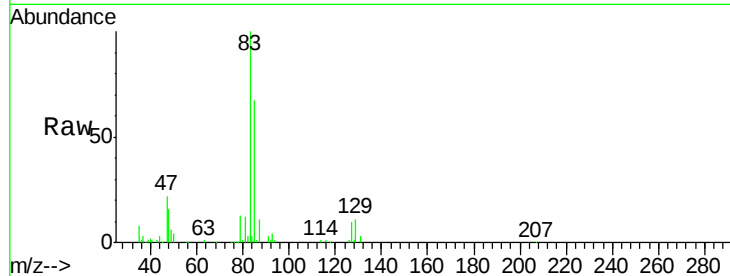
MSVOA_F

ClientSampleId :

VF0107SBSD01

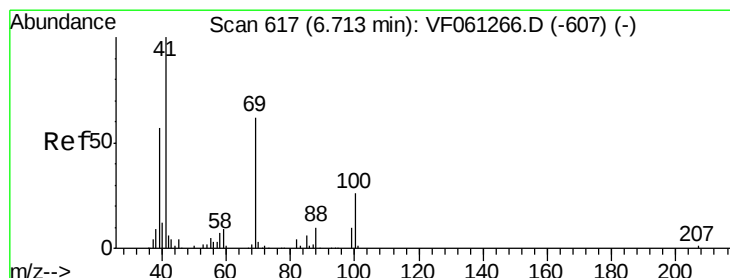
Tot Ion:	83	Resp:	82014
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.1	78.1
127	9.5	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.700 ug/l

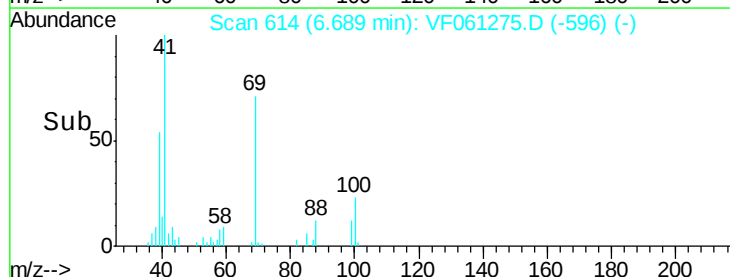
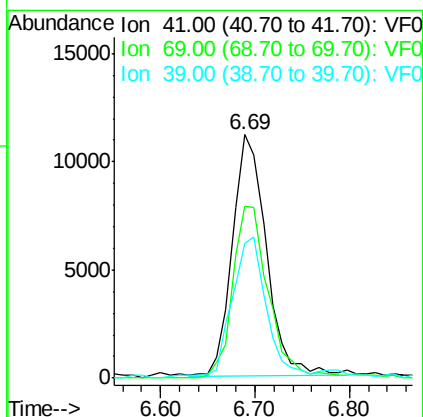
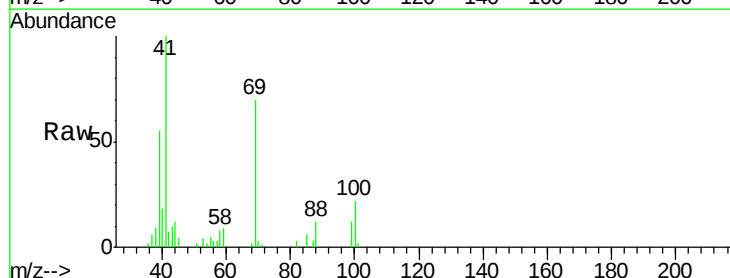
RT: 6.69 min Scan# 614

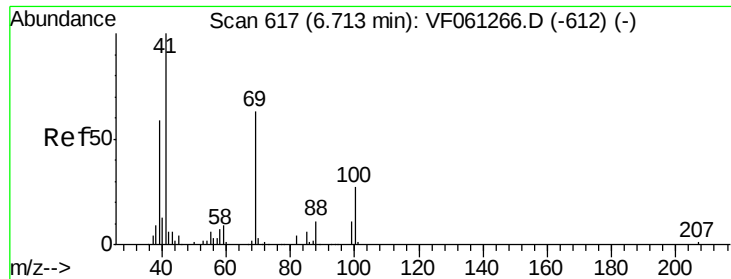
Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion:	41	Resp:	27791
Ion	Ratio	Lower	Upper
41	100		
69	70.4	49.8	74.8
39	55.2	46.4	69.6





#49

1,4-Dioxane

Concen: 426.811 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

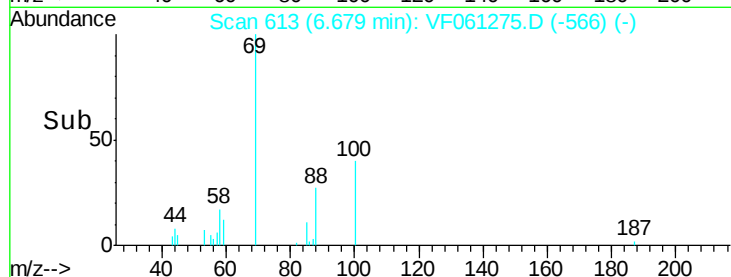
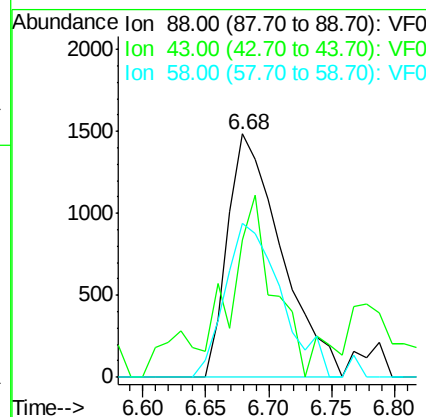
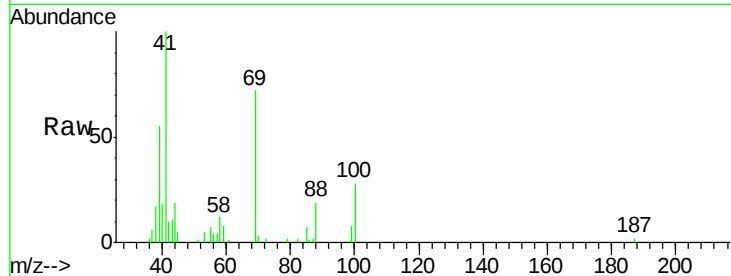
MSVOA_F

ClientSampleId :

VF0107SBSD01

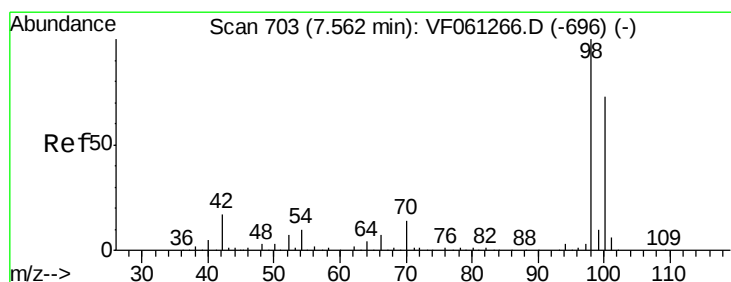
Tot Ion:	88	Resp:	4395
Ion	Ratio	Lower	Upper
88	100		
43	56.3	55.2	82.8
58	63.1	50.9	76.3

Manual Integrations
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#50

Toluene-d8

Concen: 51.286 ug/l

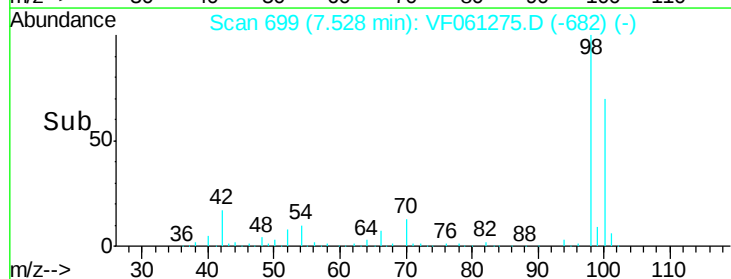
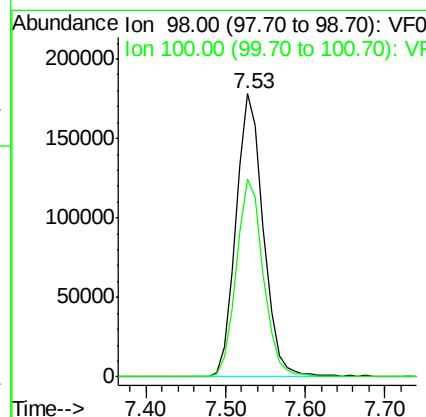
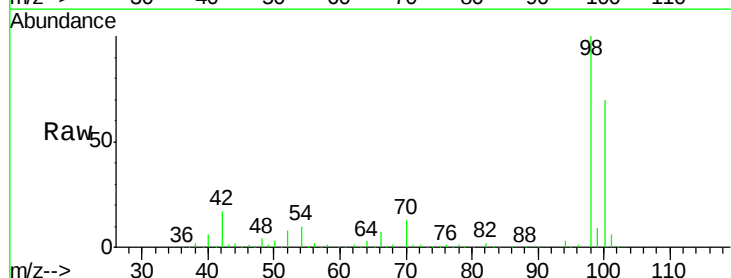
RT: 7.53 min Scan# 699

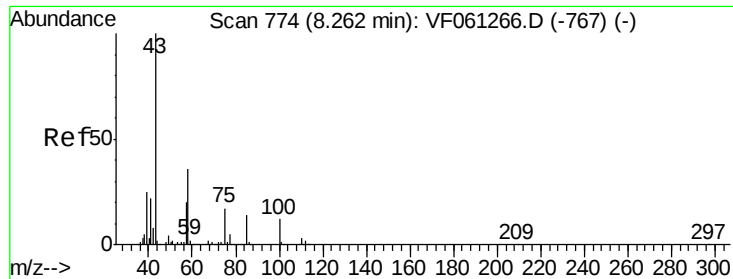
Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion:	98	Resp:	428285
Ion	Ratio	Lower	Upper
98	100		
100	69.9	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 111.452 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

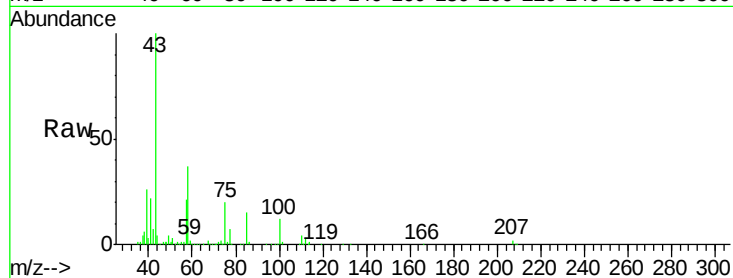
Tot Ion: 43 Resp: 168491

Ion Ratio Lower Upper

43 100

58 37.3 29.1 43.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

60000

40000

20000

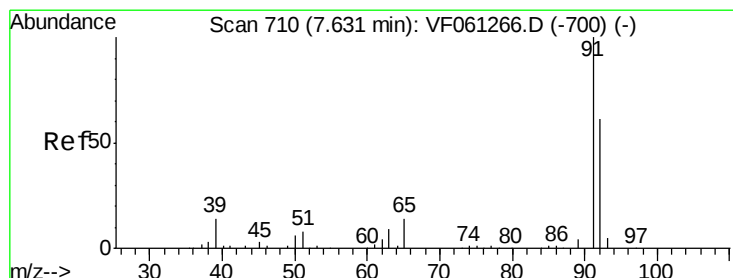
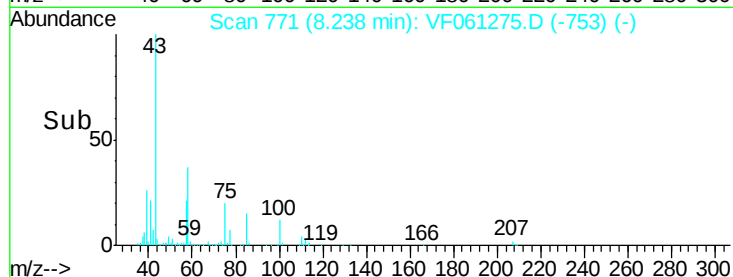
0

8.10 8.20 8.30 8.40

Time-->

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#52

Toluene

Concen: 20.062 ug/l

RT: 7.60 min Scan# 706

Delta R.T. -0.03 min

Lab File: VF061275.D

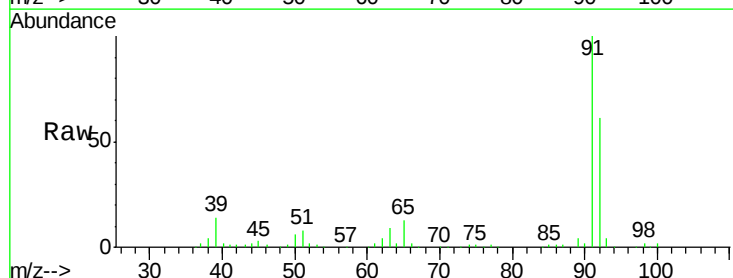
Acq: 7 Jan 2019 13:16

Tgt Ion: 92 Resp: 128075

Ion Ratio Lower Upper

92 100

91 164.5 130.5 195.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.60

100000

80000

60000

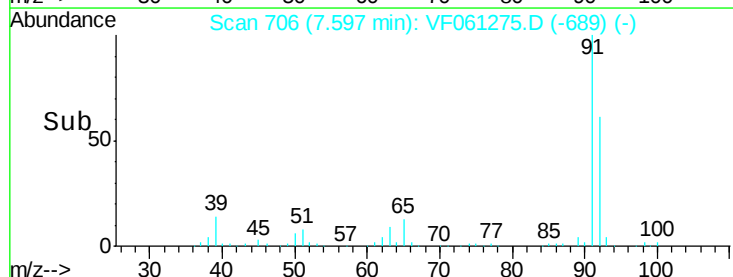
40000

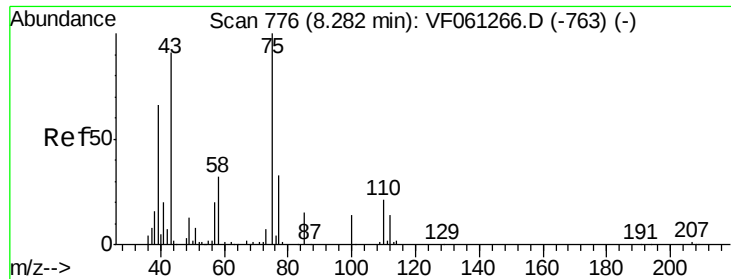
20000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.494 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tot Ion: 75 Resp: 63033

Ion Ratio Lower Upper

75 100

77 29.4 26.8 40.2

Instrument :

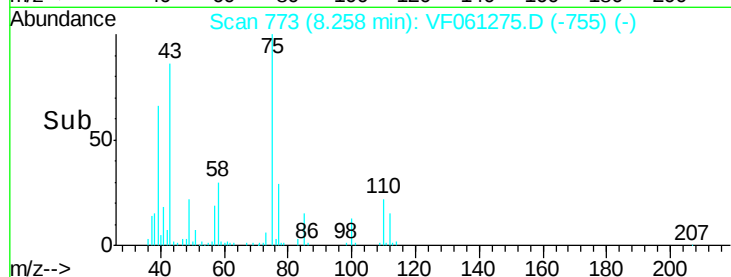
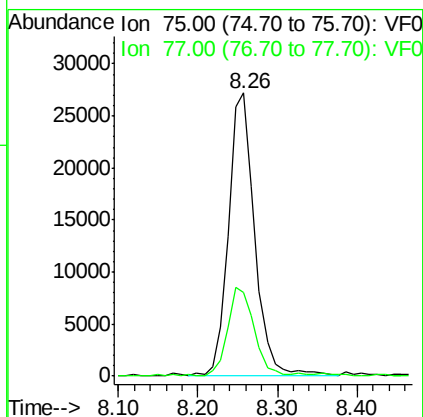
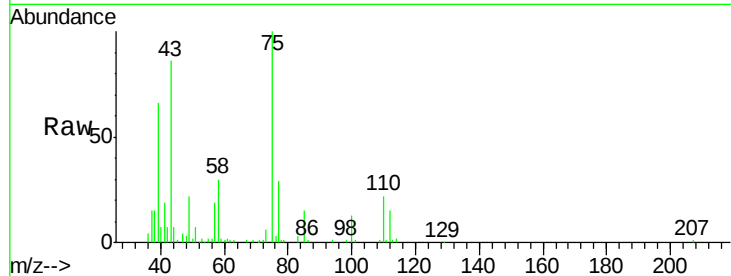
MSVOA_F

ClientSampleId :

VF0107SBSD01

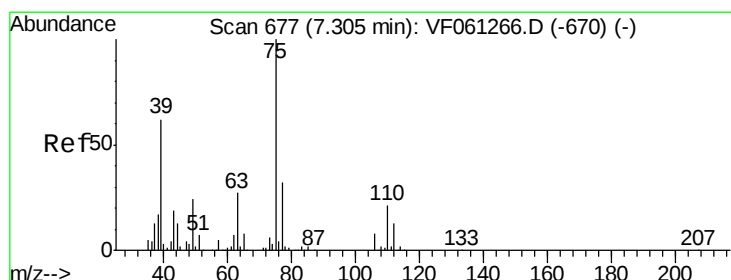
Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.564 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

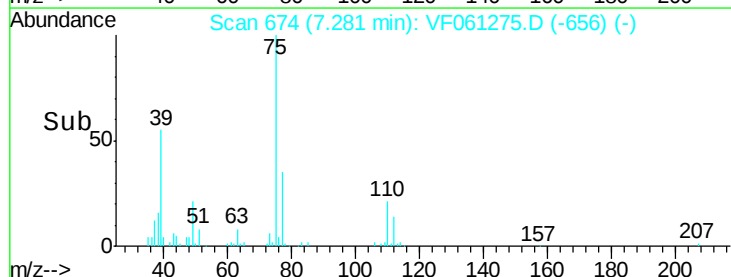
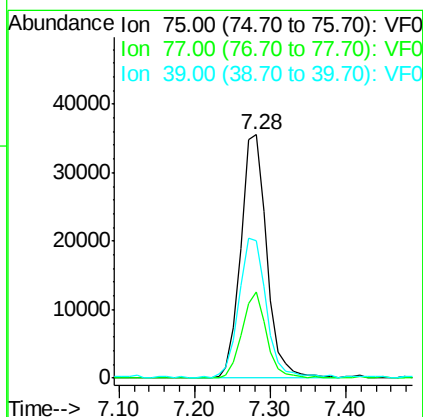
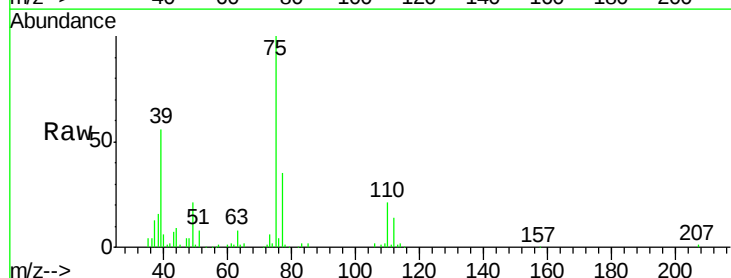
Tgt Ion: 75 Resp: 84750

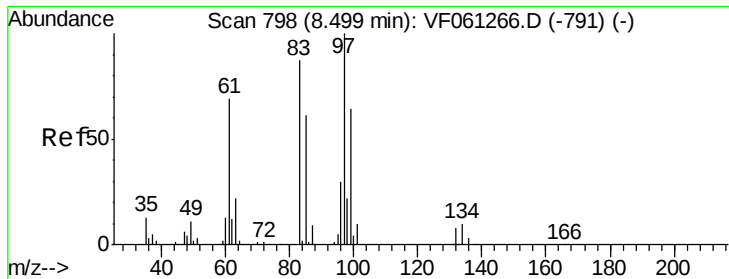
Ion Ratio Lower Upper

75 100

77 35.4 25.4 38.2

39 56.4 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 18.997 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

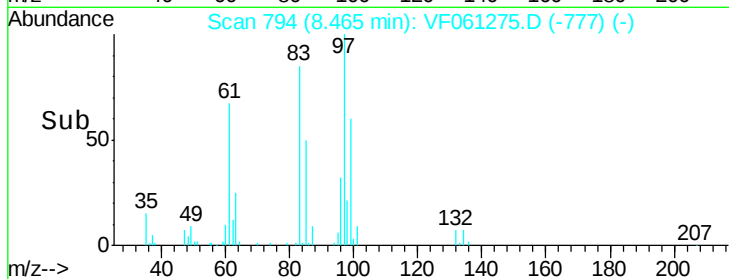
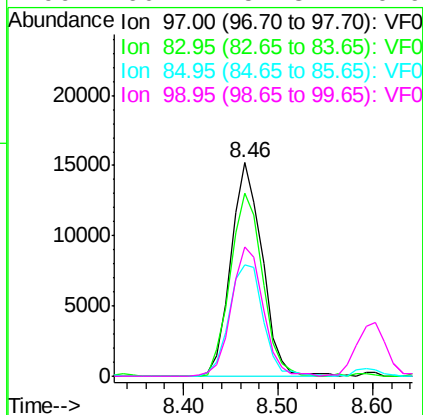
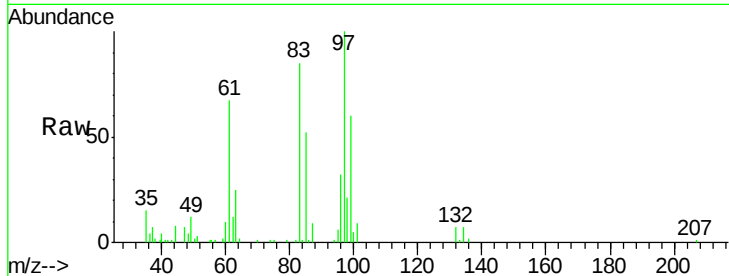
MSVOA_F

ClientSampleId :

VF0107SBSD01

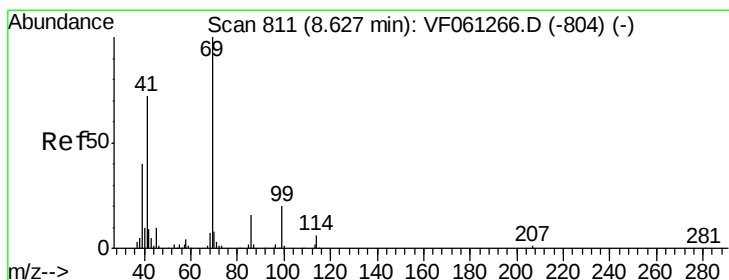
Tot Ion:	97	Resp:	34876
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.7	104.5
85	52.0	49.1	73.7
99	60.4	51.3	76.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.982 ug/l

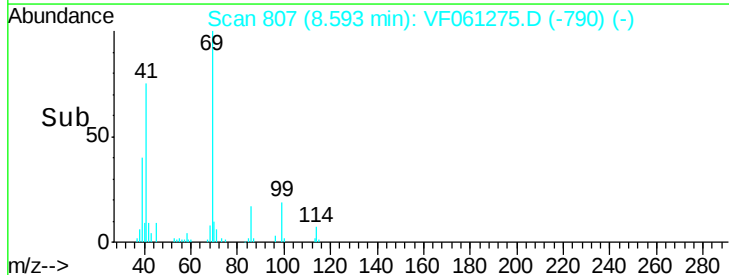
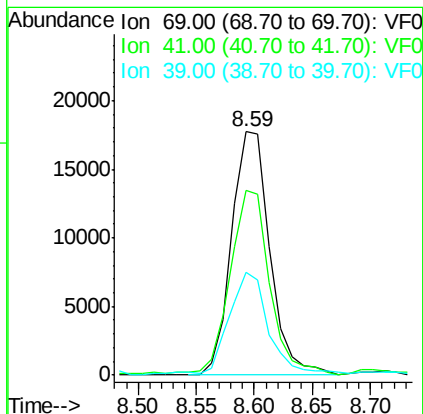
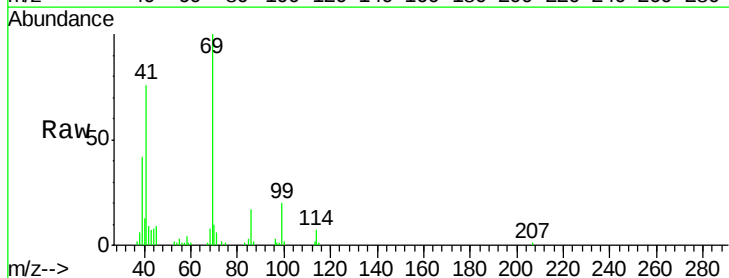
RT: 8.59 min Scan# 807

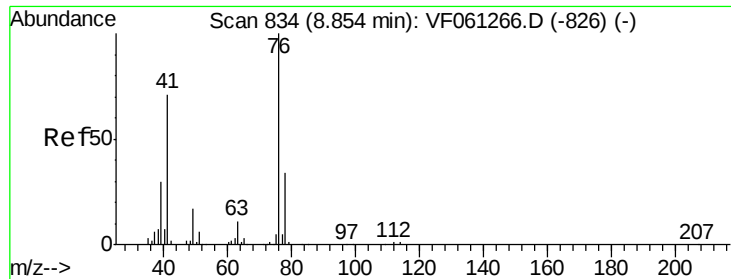
Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion:	69	Resp:	40542
Ion	Ratio	Lower	Upper
69	100		
41	75.7	58.1	87.1
39	42.3	32.6	49.0



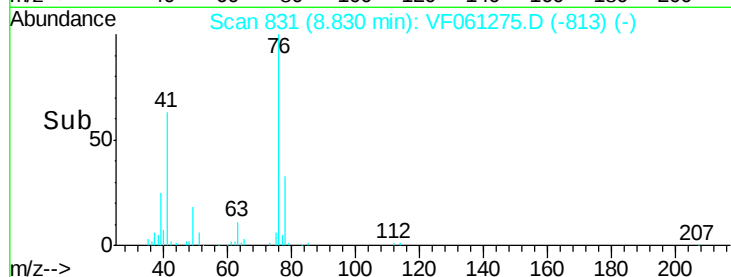
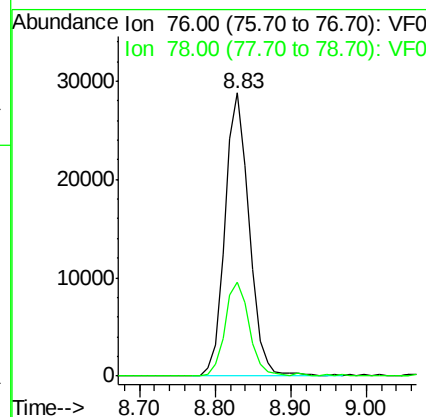
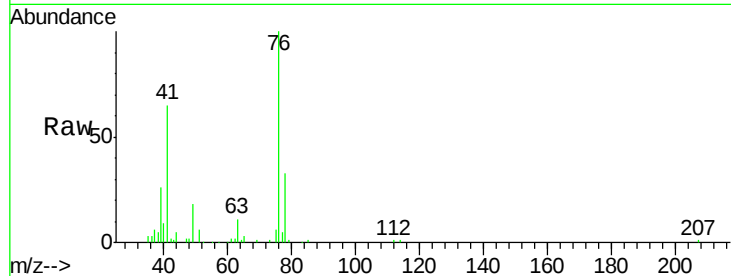


#57
 1,3-Dichloropropane
 Concen: 18.624 ug/l
 RT: 8.83 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

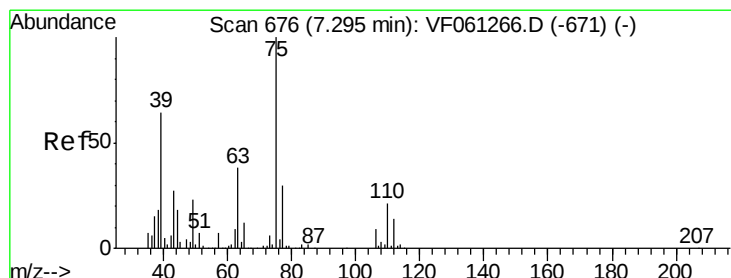
Tot Ion: 76 Resp: 64271
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.8 40.2

Manual Integrations
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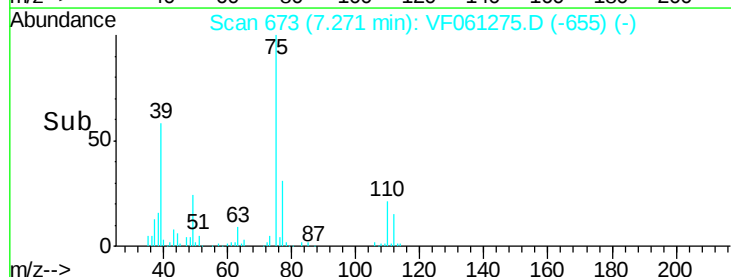
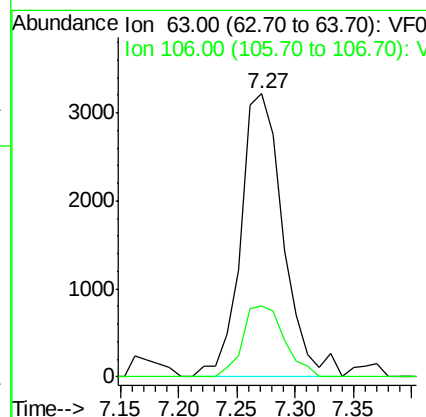
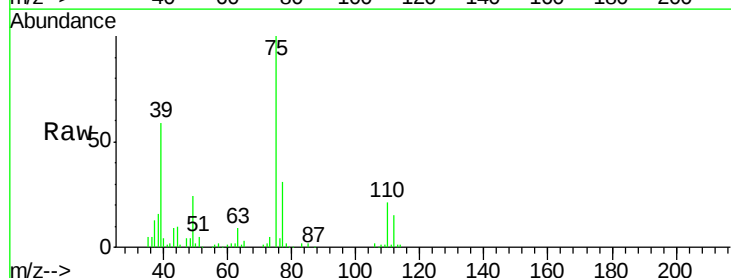
MMDadoda

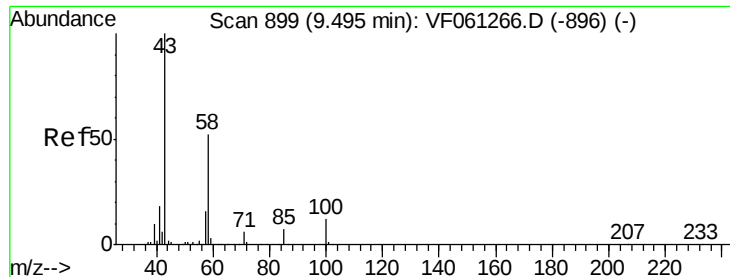
1/8/2019 12:58:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 33.037 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion: 63 Resp: 8140
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.2 28.8



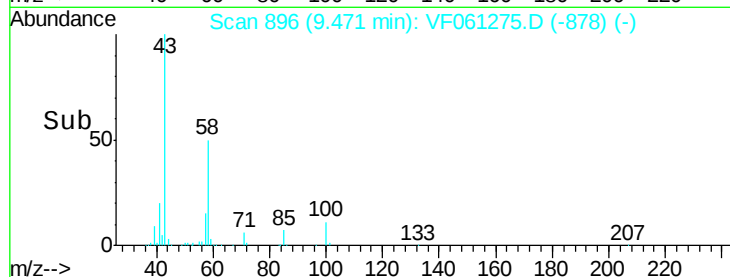
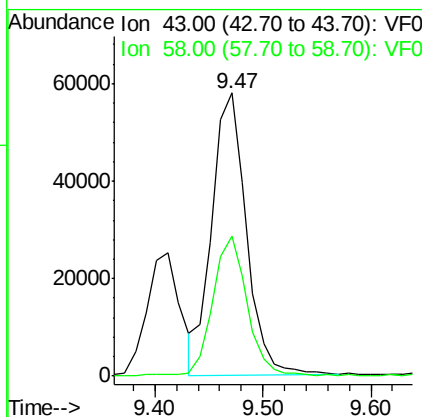
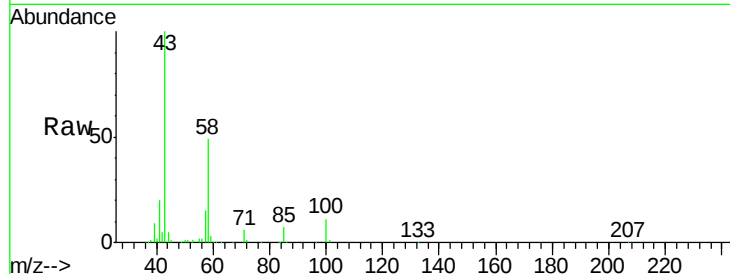


#59
2-Hexanone
Concen: 110.709 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

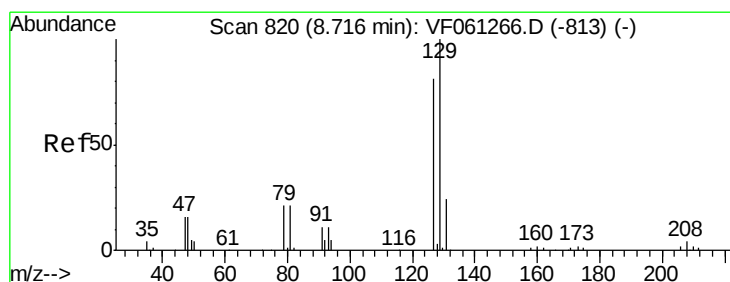
Tot Ion: 43 Resp: 127757
Ion Ratio Lower Upper
43 100
58 49.5 24.4 73.4

Manual Integrations
APPROVED



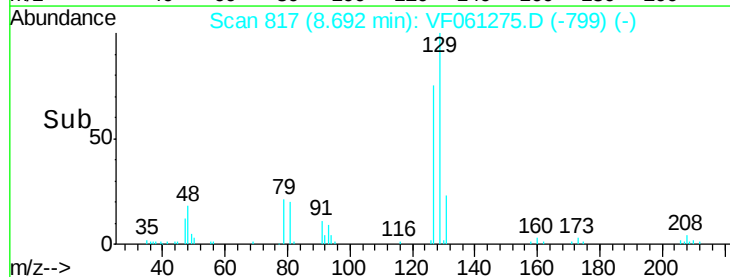
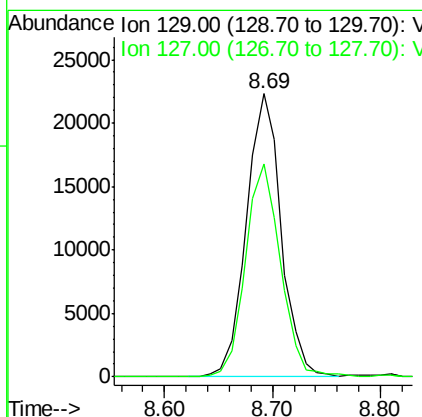
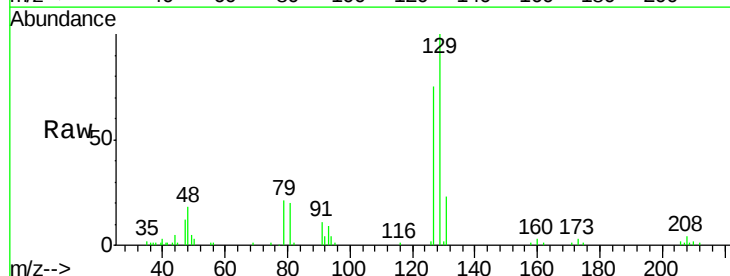
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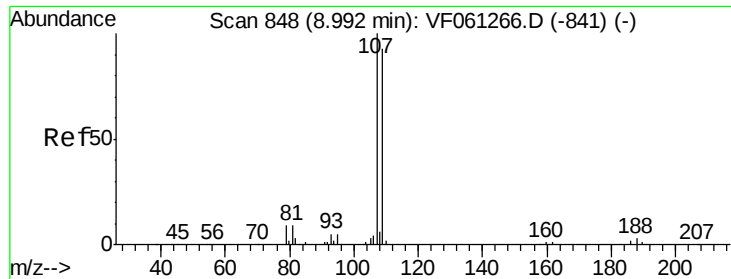
1/8/2019 12:58:04 PM



#60
Dibromochloromethane
Concen: 19.134 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 129 Resp: 49897
Ion Ratio Lower Upper
129 100
127 75.3 40.7 122.1





#61

1,2-Dibromoethane

Concen: 18.347 ug/l

RT: 8.96 min Scan# 844

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

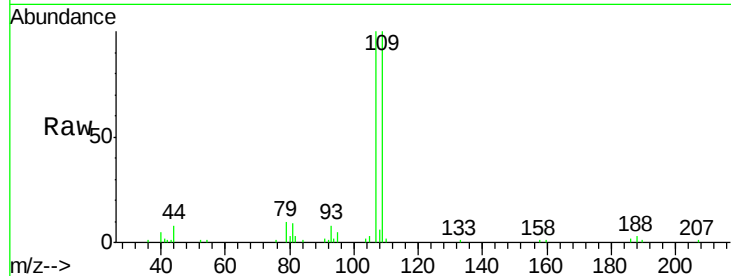
Tot Ion:107 Resp: 36351

Ion Ratio Lower Upper

107 100

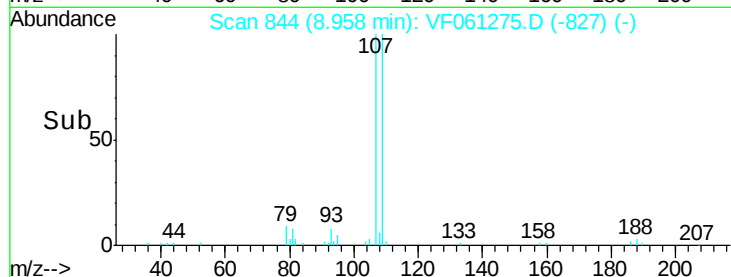
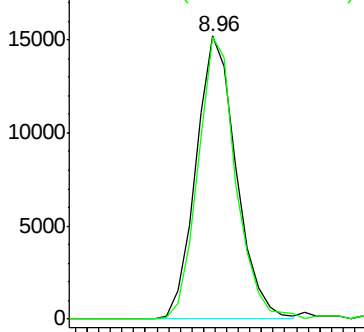
109 99.7 74.2 111.4

Manual Integrations
APPROVED



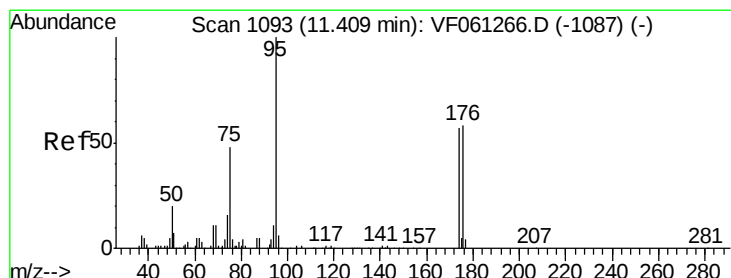
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



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#62

4-Bromofluorobenzene

Concen: 51.503 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

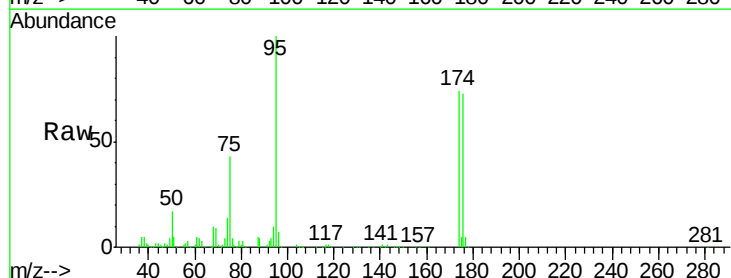
Tgt Ion: 95 Resp: 190572

Ion Ratio Lower Upper

95 100

174 73.6 0.0 113.2

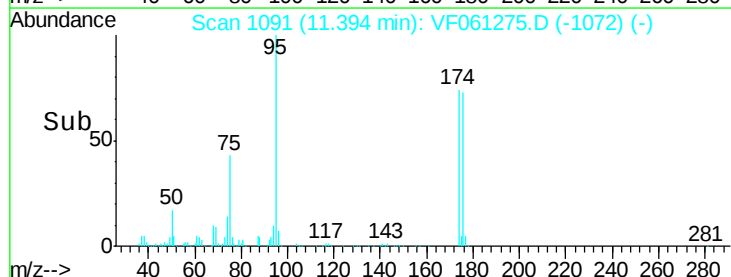
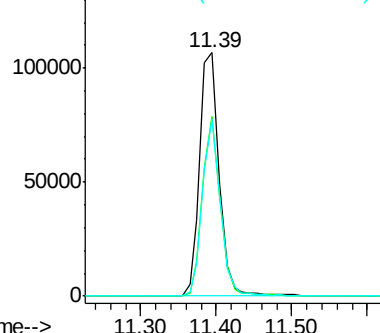
176 72.8 0.0 115.6

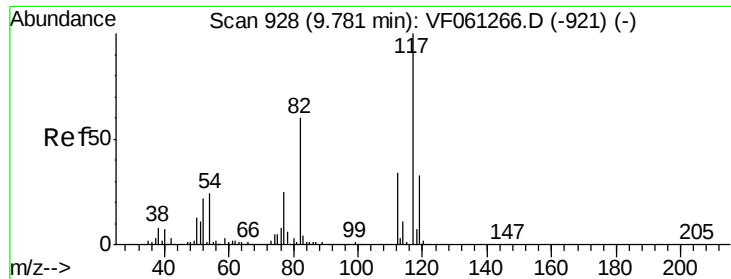


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



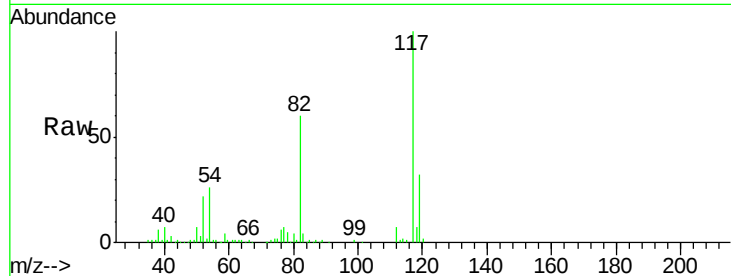


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 924
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.8	71.6
119	32.3	26.1	39.1

Manual Integrations
APPROVED

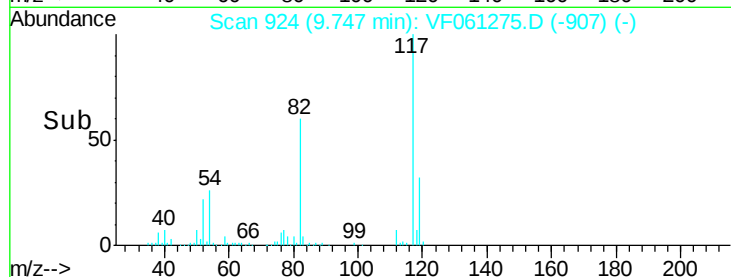
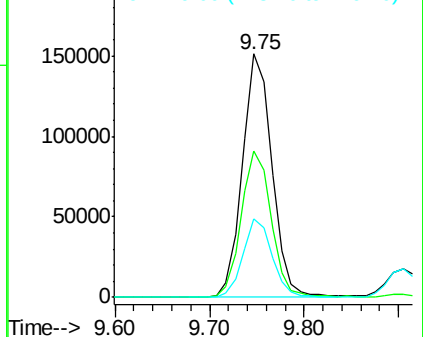


Abundance

Ion 117.00 (116.70 to 117.70): V

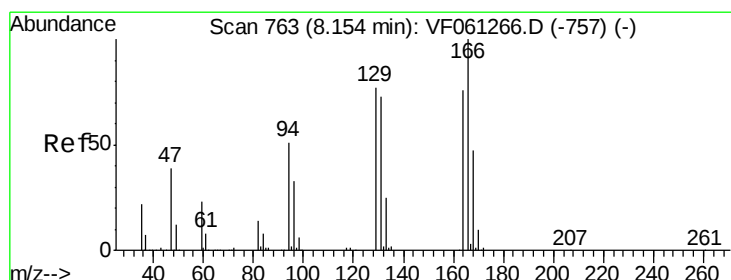
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



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#64
Tetrachloroethene
Concen: 20.531 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	105.1	157.7
129	96.8	81.0	121.6
131	89.4	77.1	115.7

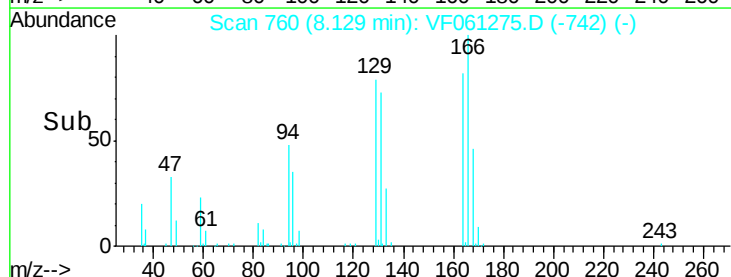
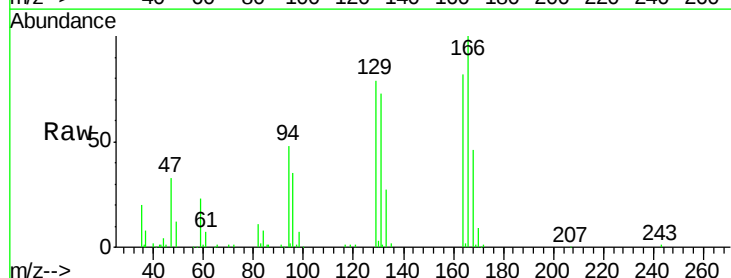
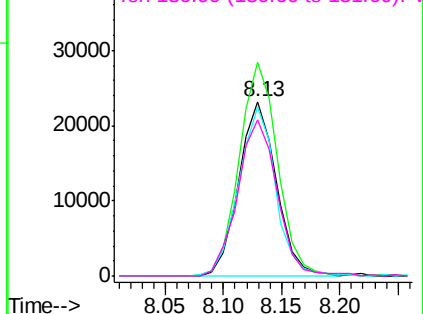
Abundance

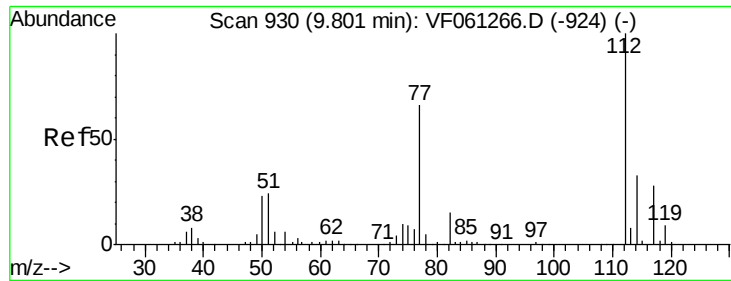
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



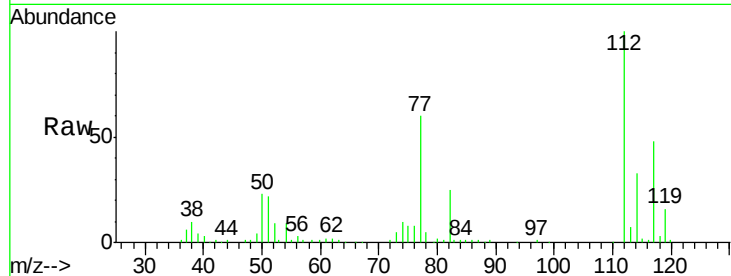


#65
Chlorobenzene
Concen: 20.312 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

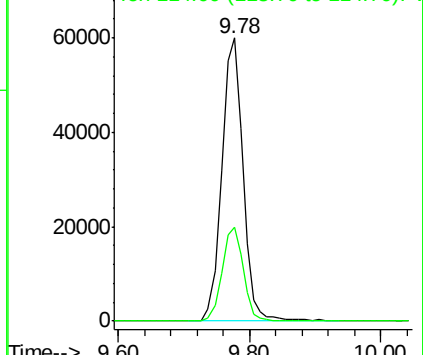
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

Tot Ion:112 Resp: 135659
Ion Ratio Lower Upper
112 100
114 33.4 26.4 39.6

Manual Integrations
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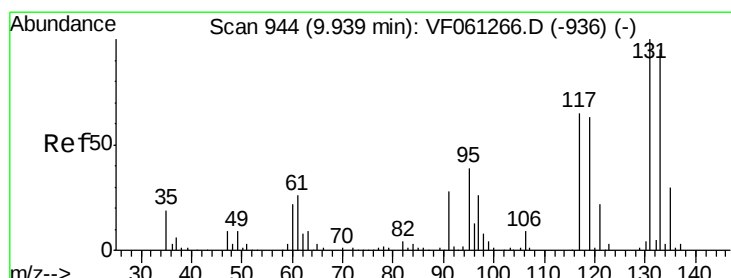
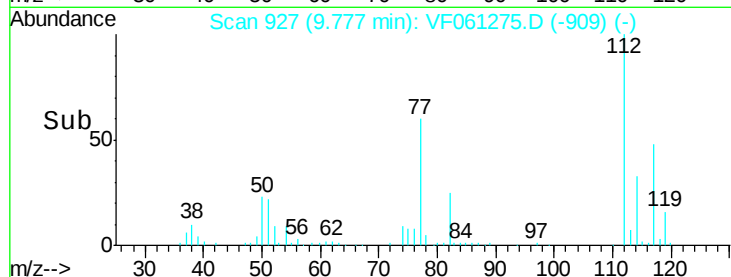


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



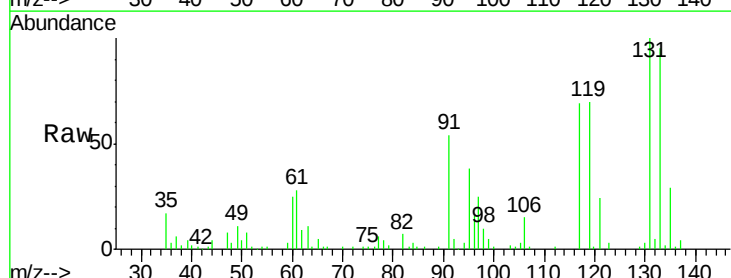
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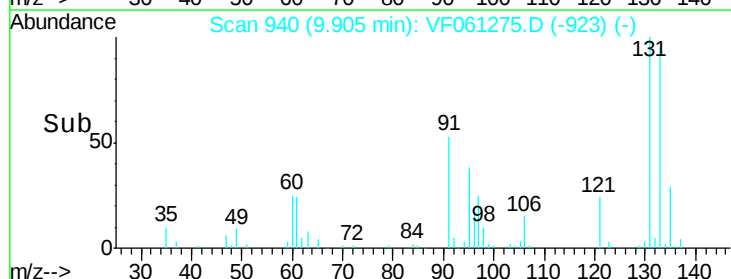
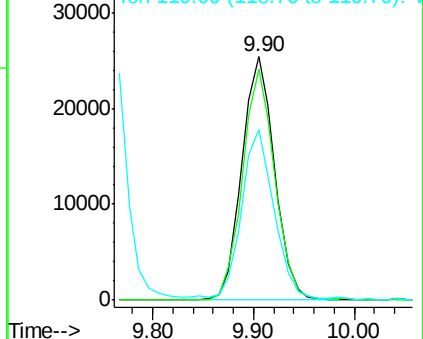


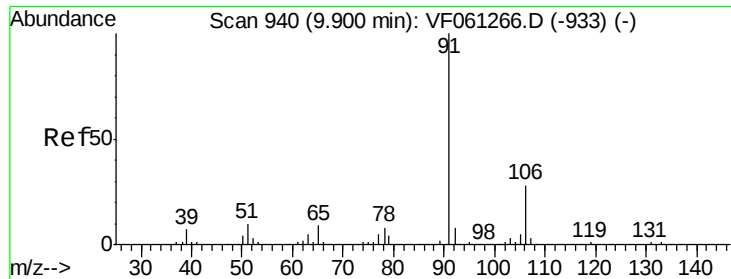
#66
1,1,1,2-Tetrachloroethane
Concen: 20.906 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion:131 Resp: 57339
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 70.2 32.2 96.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



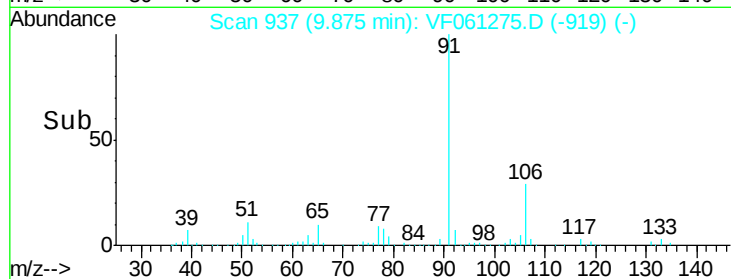
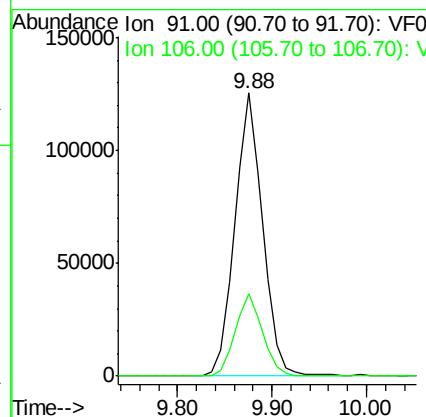
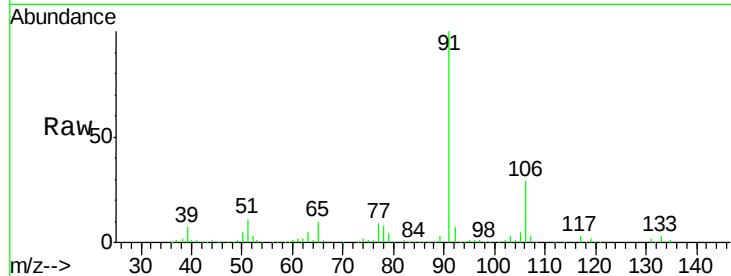


#67
Ethyl Benzene
Concen: 20.649 ug/l
RT: 9.88 min Scan# 937
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

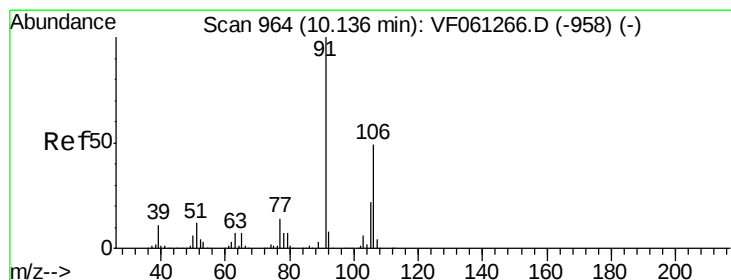
Tot Ion: 91 Resp: 253508
Ion Ratio Lower Upper
91 100
106 29.1 22.8 34.2

Manual Integrations
APPROVED



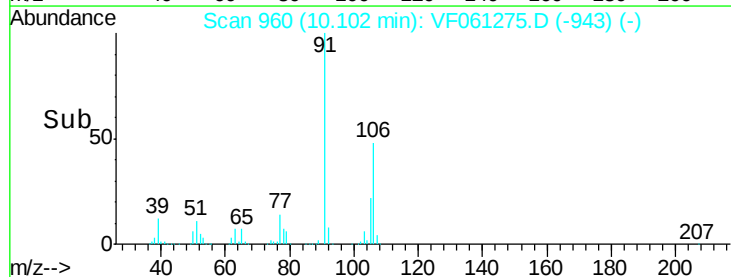
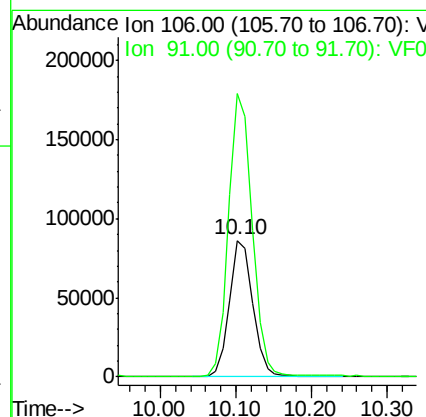
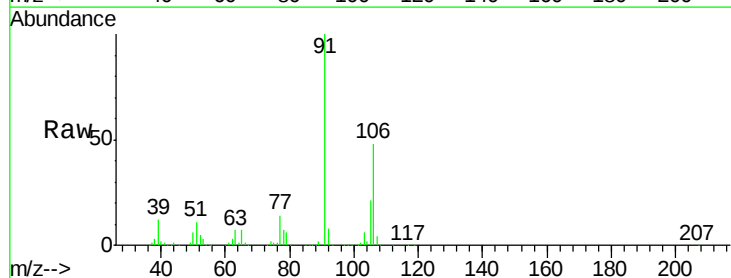
MMDadoda

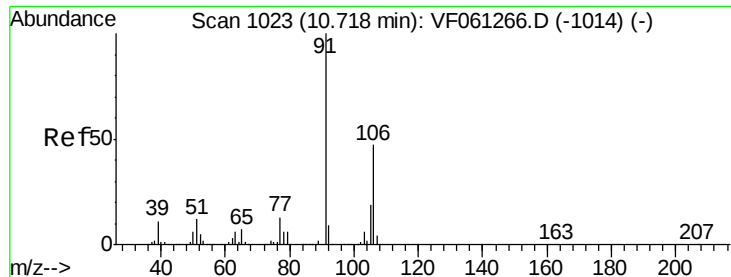
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#68
m/p-Xylenes
Concen: 41.302 ug/l
RT: 10.10 min Scan# 960
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 106 Resp: 185053
Ion Ratio Lower Upper
106 100
91 207.4 164.8 247.2



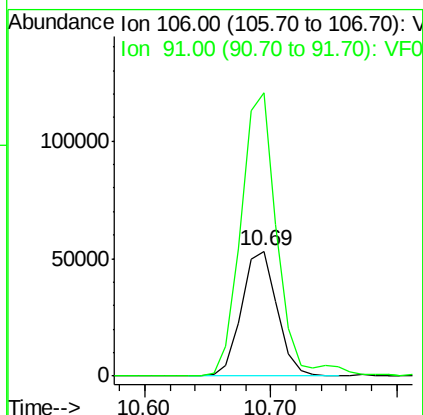
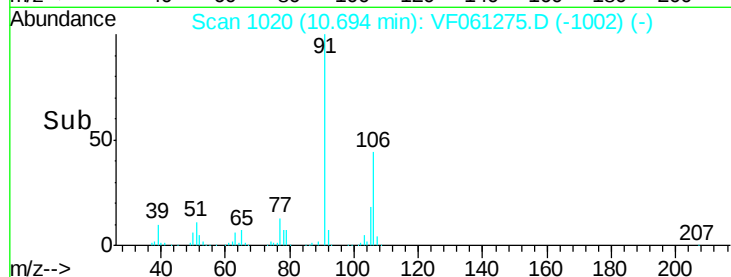
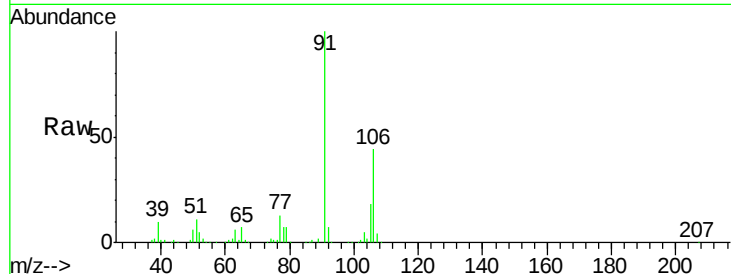


#69
o-Xylene
Concen: 21.390 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

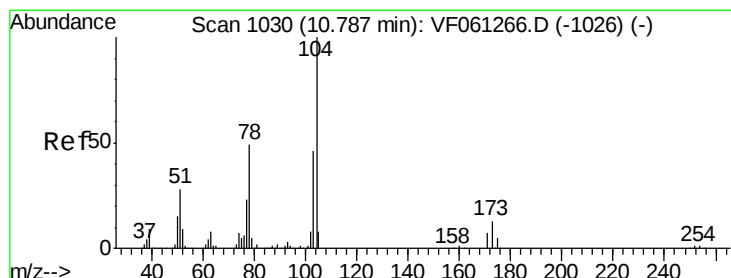
Tot Ion:106 Resp: 103674
Ion Ratio Lower Upper
106 100
91 227.0 106.2 318.5

Manual Integrations
APPROVED



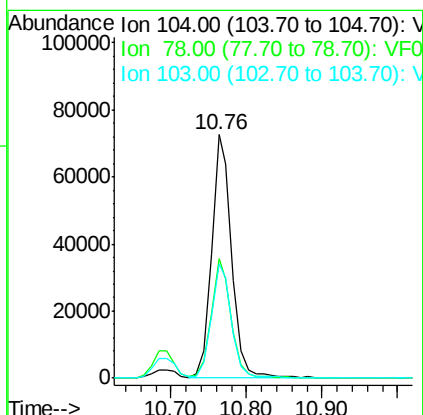
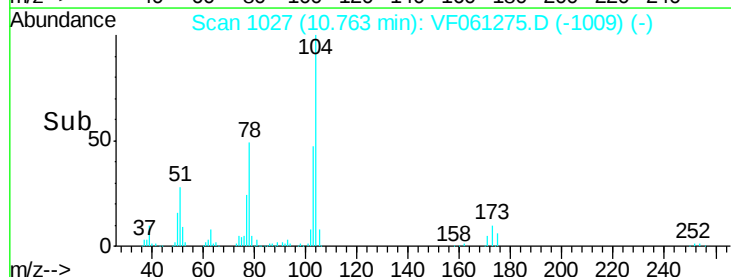
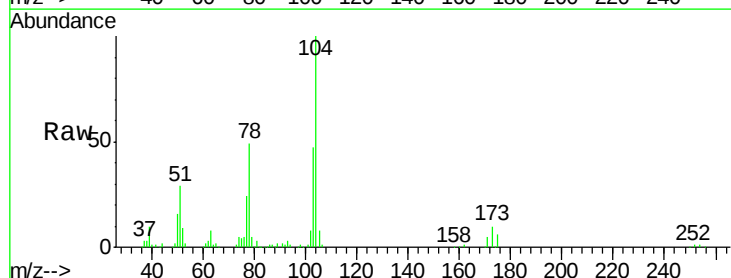
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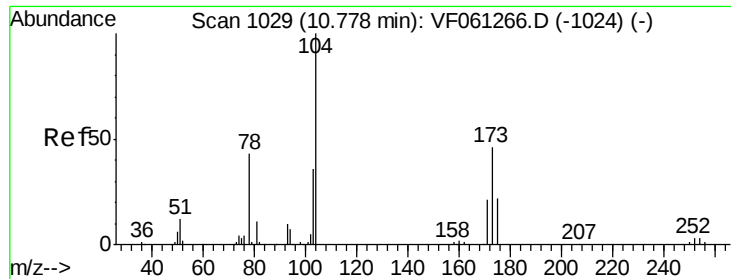
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#70
Styrene
Concen: 20.069 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion:104 Resp: 133905
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 46.9 37.3 55.9





#71

Bromoform

Concen: 19.279 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

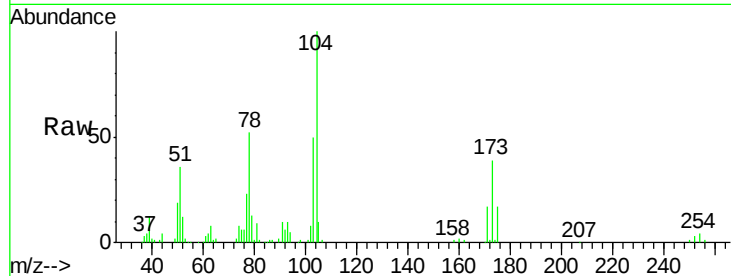
MSVOA_F

ClientSampleId :

VF0107SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.6	24.6	73.6
254	9.2	5.3	7.9

Manual Integrations
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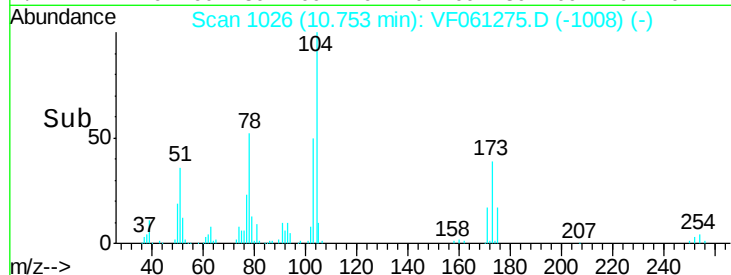
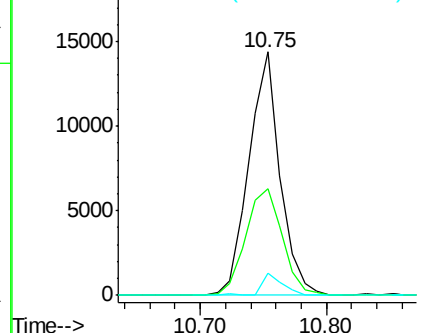


Abundance

Ion 173.00 (172.70 to 173.70): V

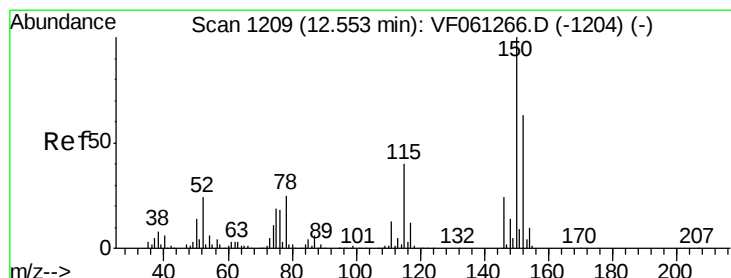
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

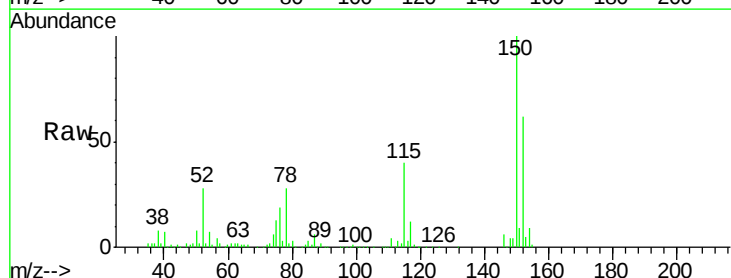
RT: 12.53 min Scan# 1206

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.6	94.7
150	161.8	0.0	320.2

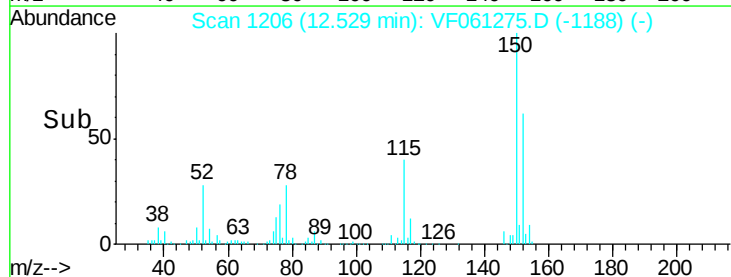
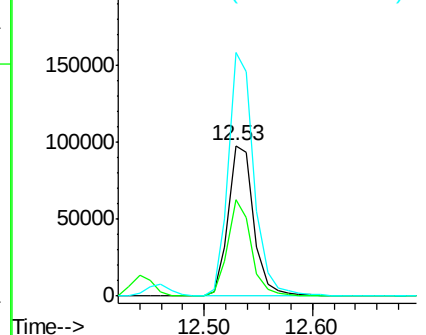


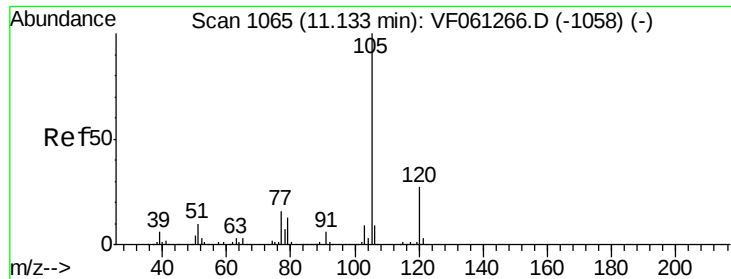
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.613 ug/l

RT: 11.10 min Scan# 1061

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

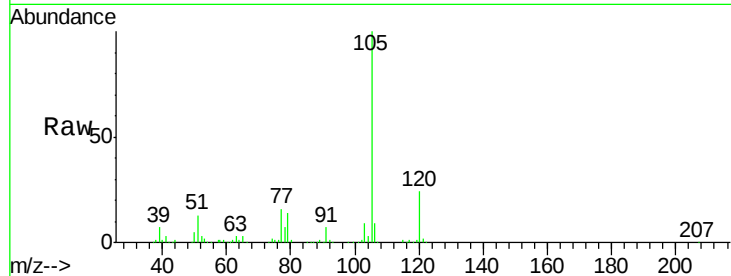
Tot Ion:105 Resp: 297055

Ion Ratio Lower Upper

105 100

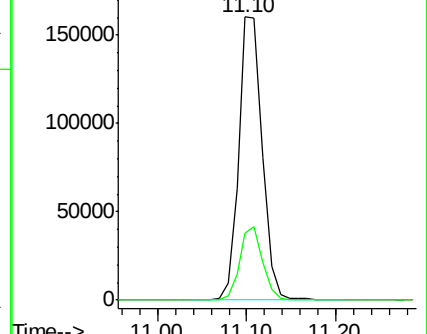
120 23.7 13.4 40.1

Manual Integrations
APPROVED



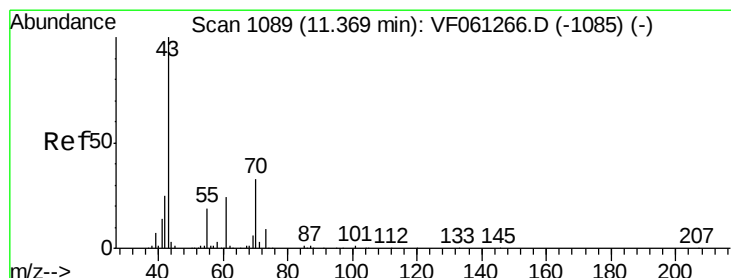
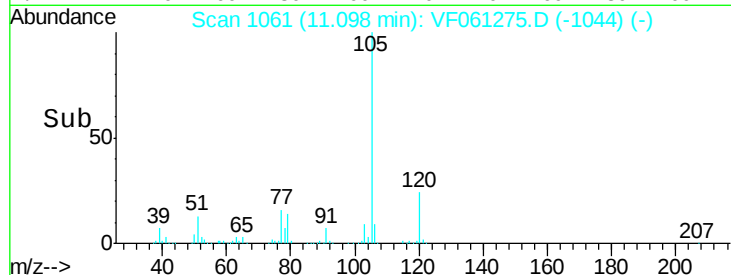
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 22.273 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion: 43 Resp: 77287

Ion Ratio Lower Upper

43 100

70 37.0 26.7 40.1

55 20.1 15.4 23.0

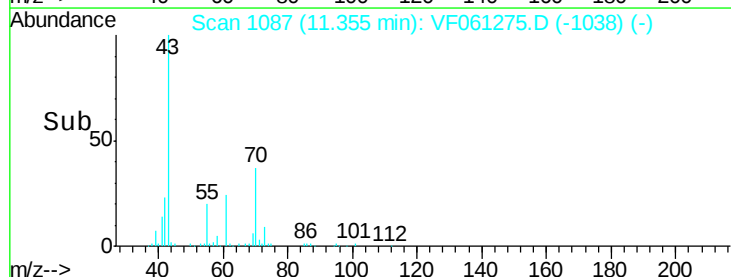
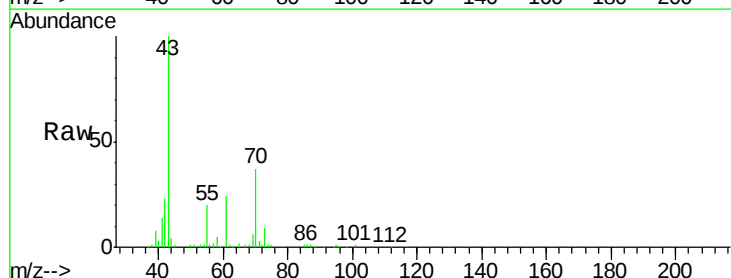
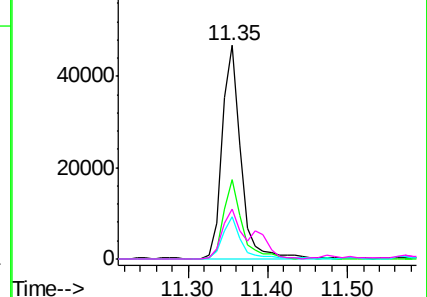
61 23.6 19.4 29.0

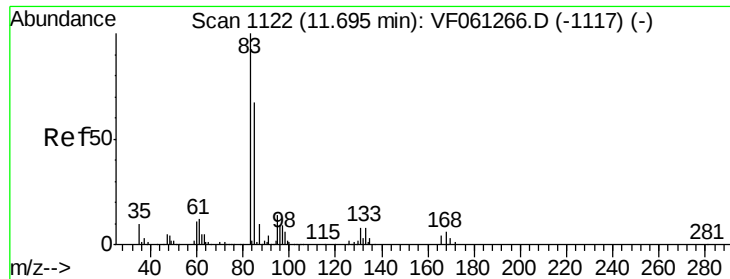
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.831 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

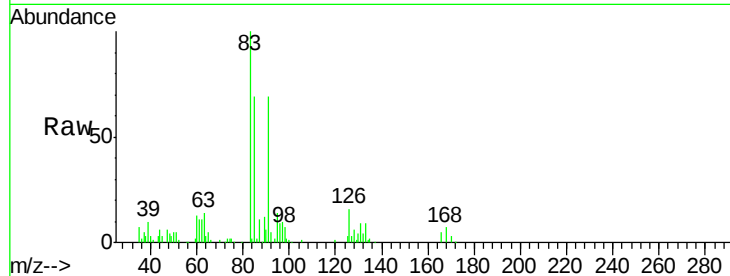
MSVOA_F

ClientSampleId :

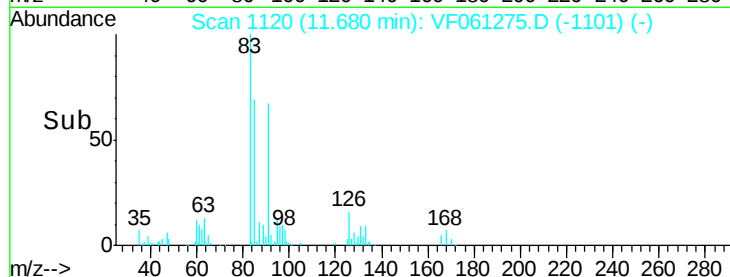
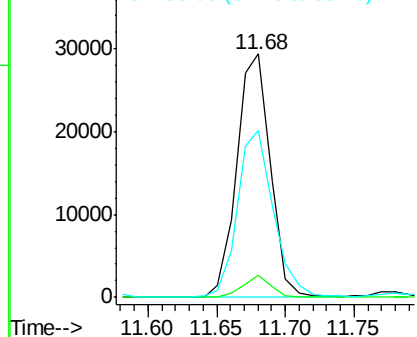
VF0107SBSD01

Tot Ion:	83	Resp:	50008
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.0	12.0
85	68.8	33.6	100.8

Manual Integrations
APPROVED

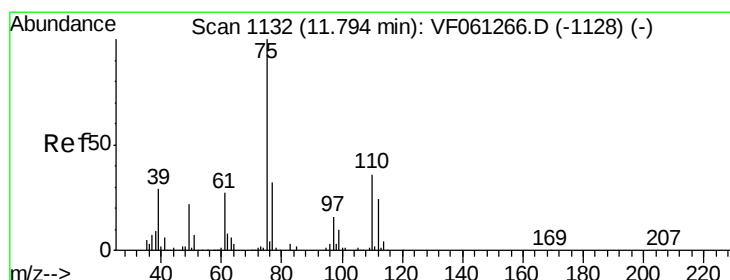


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



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#76

1,2,3-Trichloropropane

Concen: 20.660 ug/l

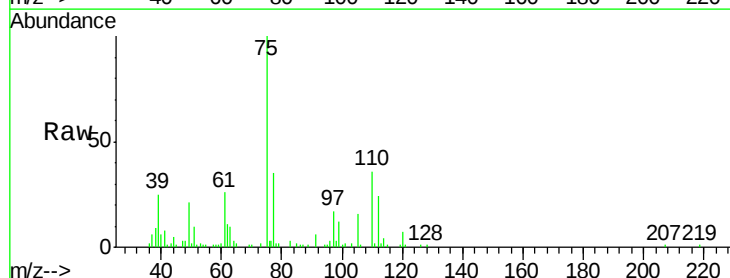
RT: 11.78 min Scan# 1130

Delta R.T. -0.01 min

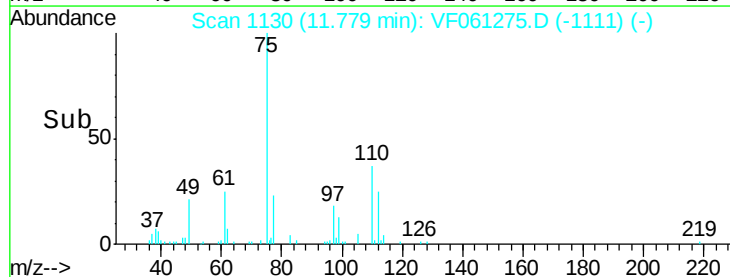
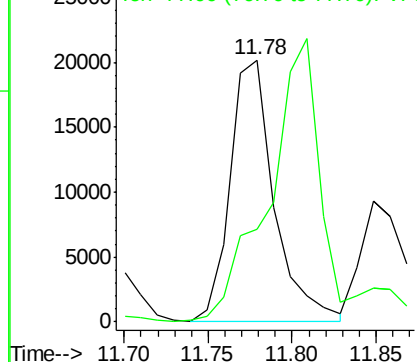
Lab File: VF061275.D

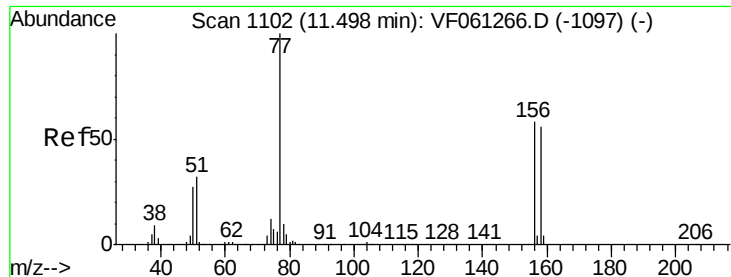
Acq: 7 Jan 2019 13:16

Tgt Ion:	75	Resp:	36820
Ion Ratio	Lower	Upper	
75	100		
77	35.2	15.9	47.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.598 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

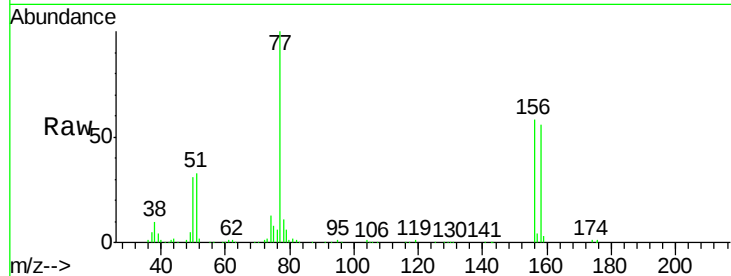
MSVOA_F

ClientSampleId :

VF0107SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	171.6	85.8	257.3	
158	95.7	47.6	142.8	

Manual Integrations
APPROVED

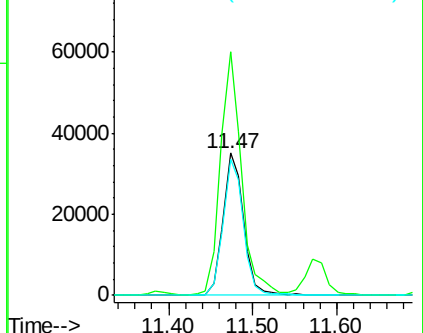


Abundance

Ion 156.00 (155.70 to 156.70): V

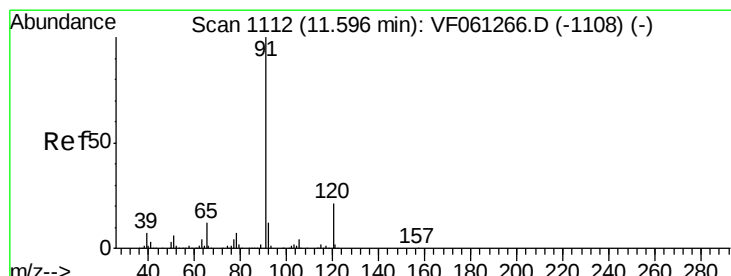
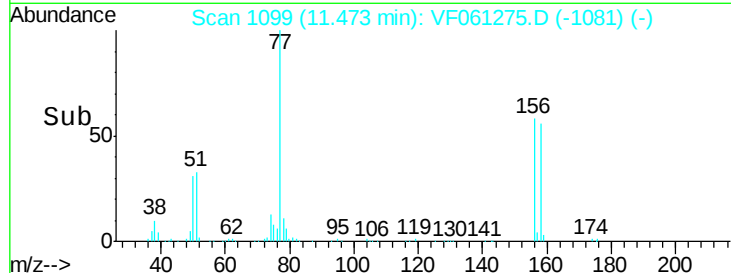
Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



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#78

n-propylbenzene

Concen: 22.058 ug/l

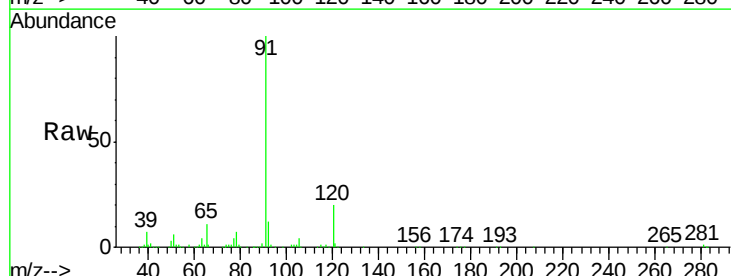
RT: 11.57 min Scan# 1109

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

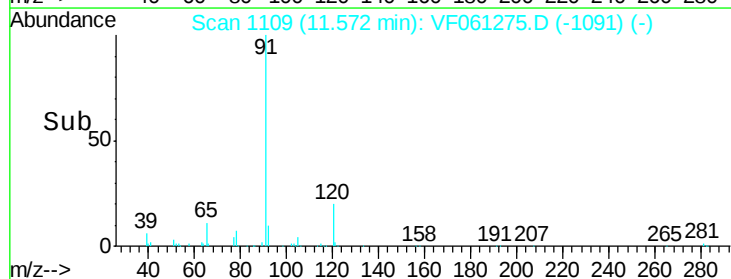
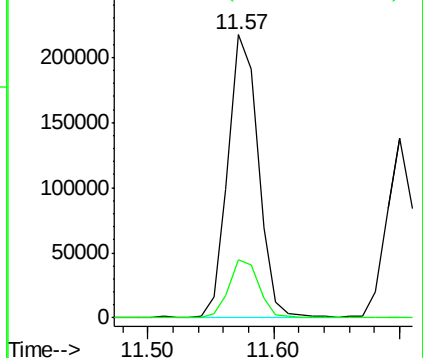
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.3	10.6	31.8	

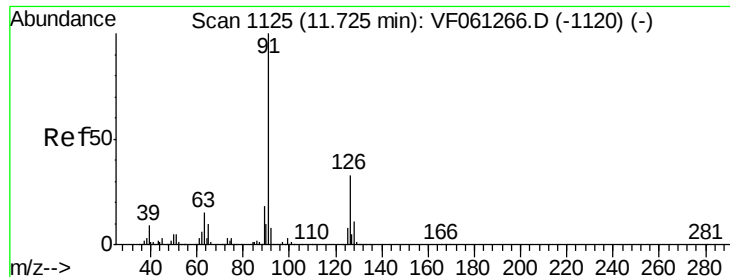


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



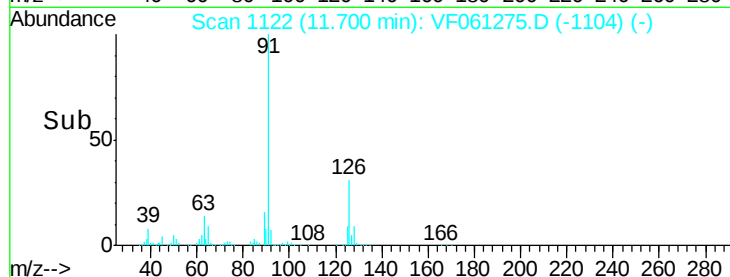
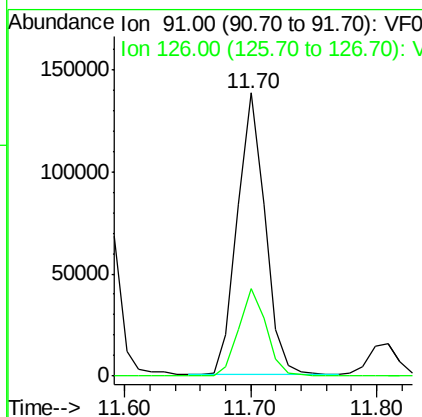
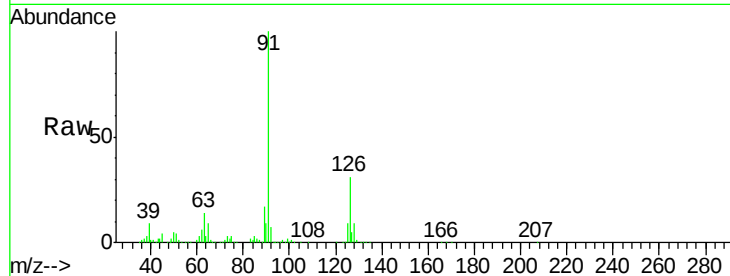


#79
 2-Chlorotoluene
 Concen: 22.162 ug/l
 RT: 11.70 min Scan# 1122
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

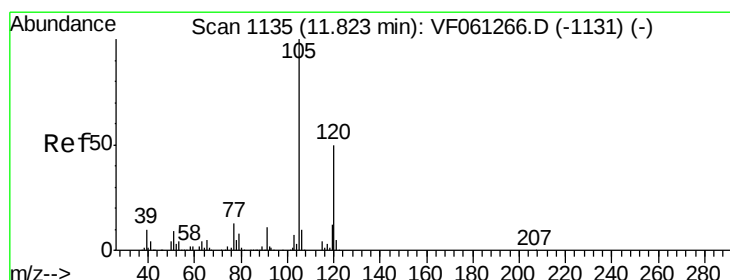
Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	30.8	16.3	48.8	

Manual Integrations
 APPROVED



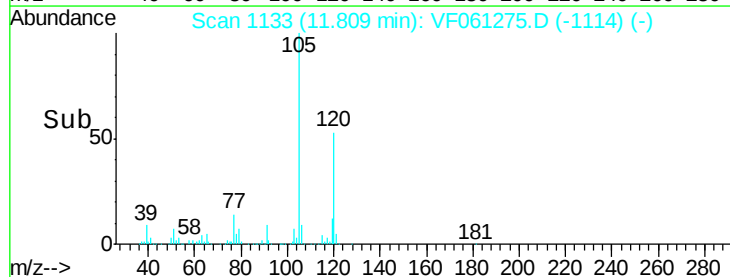
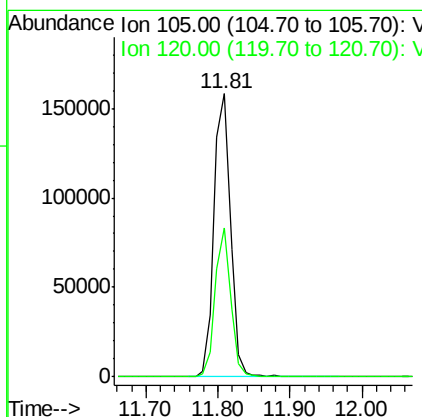
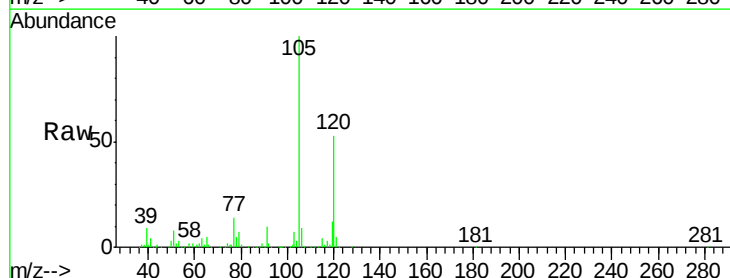
MMDadoda

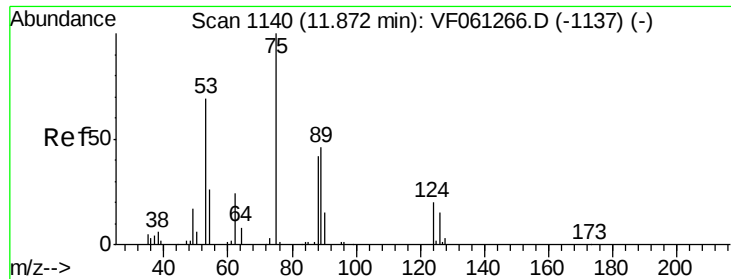
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.556 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	52.7	24.8	74.4	



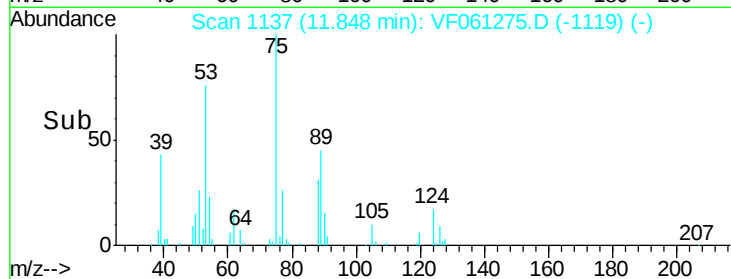
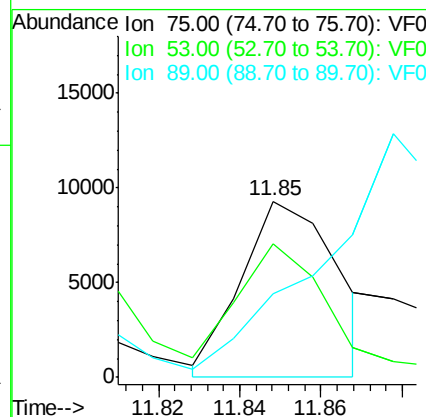
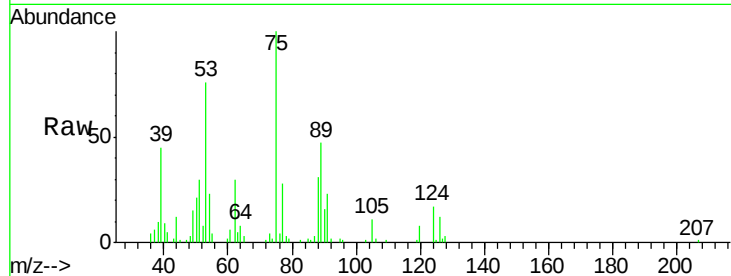


#81
trans-1,4-Dichloro-2-butene
Concen: 18.917 ug/l m
RT: 11.85 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

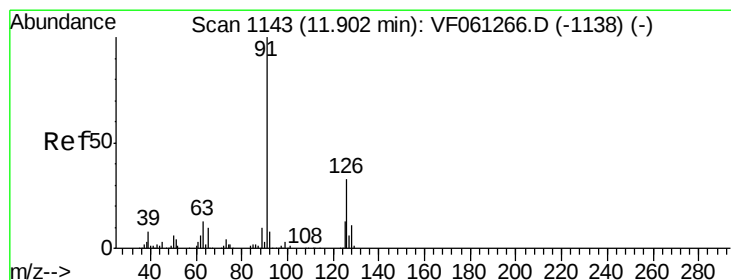
Tot Ion	Ratio	Lower	Upper
75	100		
53	76.1	61.7	92.5
89	47.4	40.3	60.5

Manual Integrations
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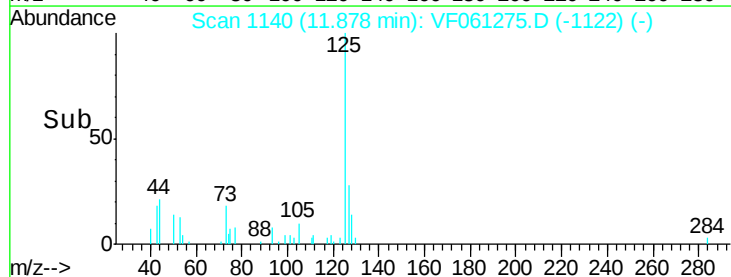
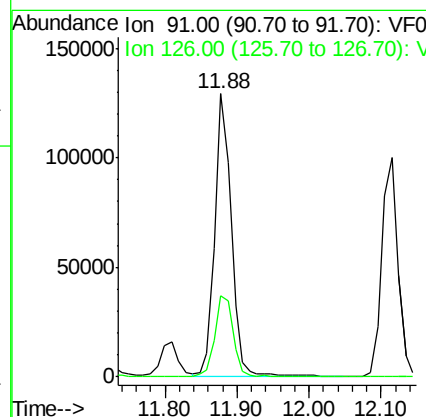
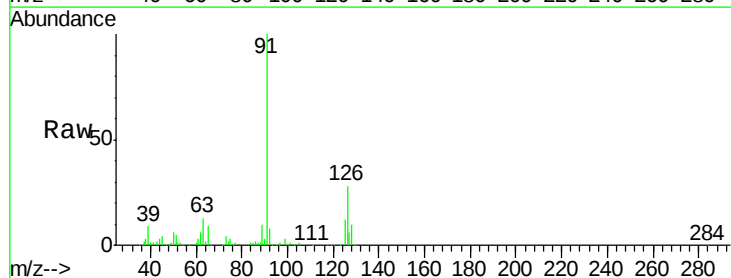
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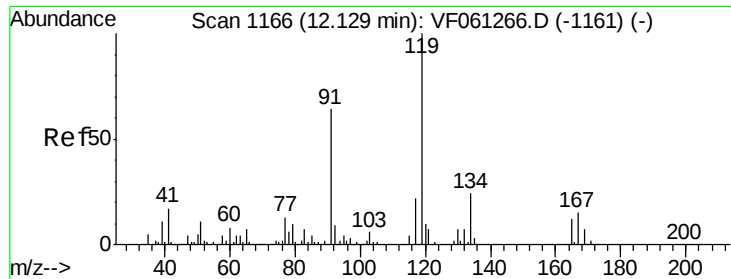
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#82
4-Chlorotoluene
Concen: 21.393 ug/l
RT: 11.88 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	16.3	48.8





#83

tert-Butylbenzene

Concen: 22.487 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

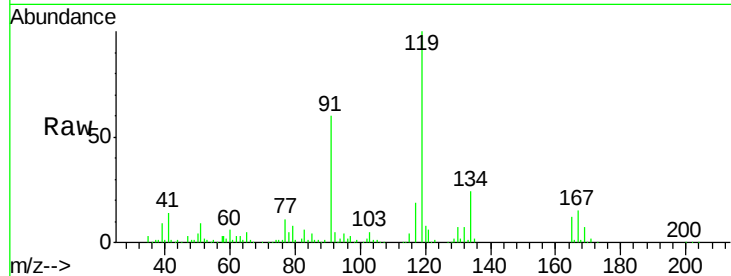
MSVOA_F

ClientSampleId :

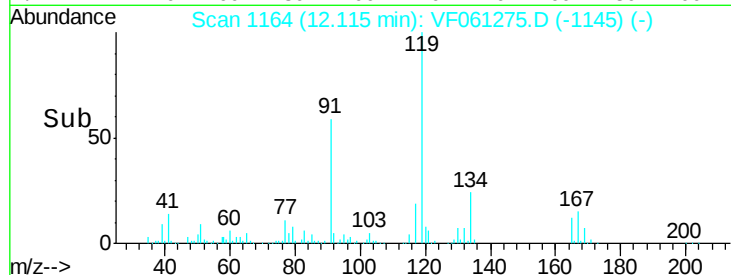
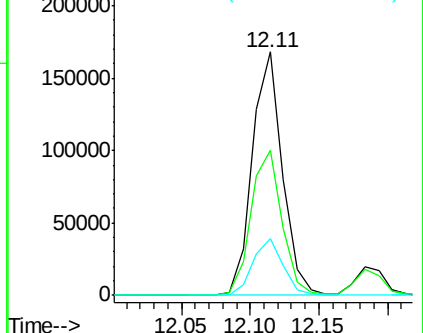
VF0107SBSD01

Tot Ion:	119	Resp:	257257
Ion Ratio	Lower	Upper	
119	100		
91	59.6	32.0	96.0
134	23.5	12.1	36.3

Manual Integrations
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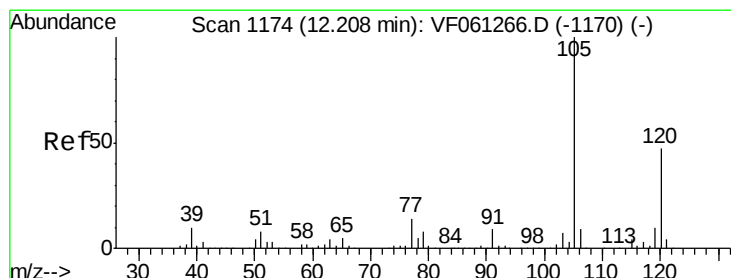


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V



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#84

1,2,4-Trimethylbenzene

Concen: 21.817 ug/l

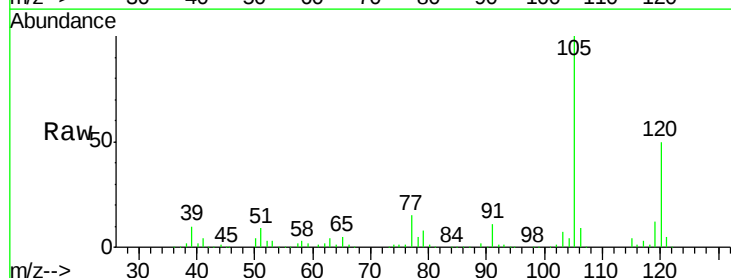
RT: 12.18 min Scan# 1171

Delta R.T. -0.02 min

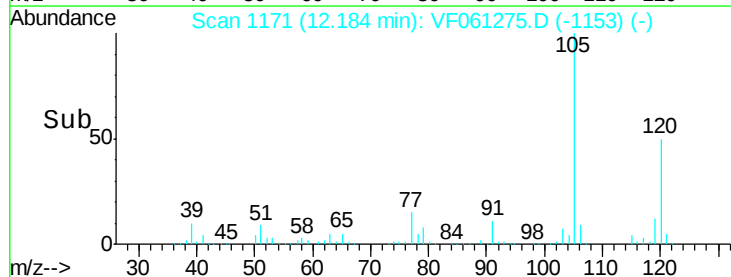
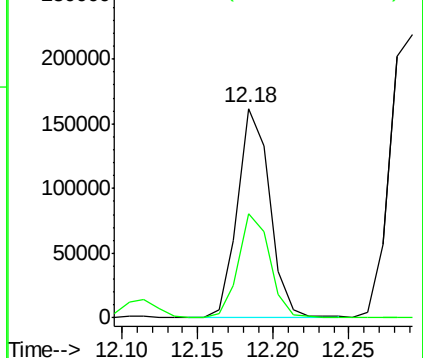
Lab File: VF061275.D

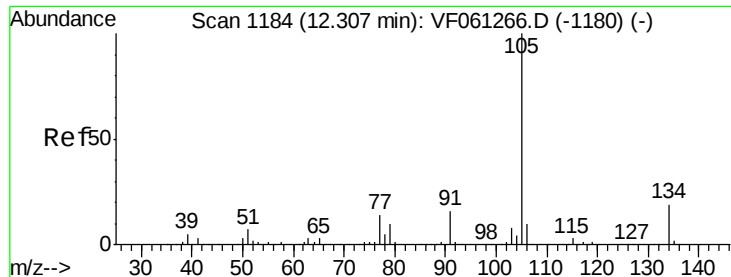
Acq: 7 Jan 2019 13:16

Tgt Ion:	105	Resp:	240992
Ion Ratio	Lower	Upper	
105	100		
120	50.0	23.3	69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.389 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

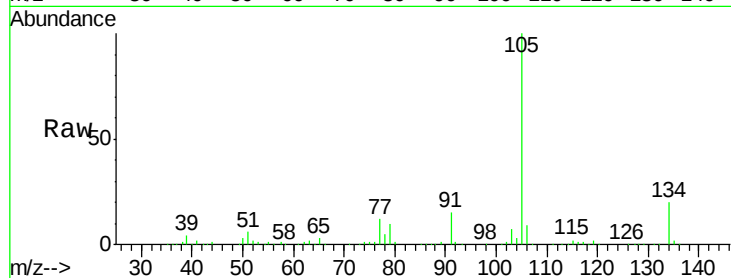
Tot Ion:105 Resp: 347441

Ion Ratio Lower Upper

105 100

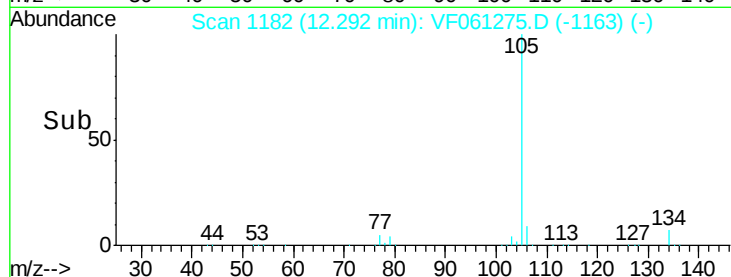
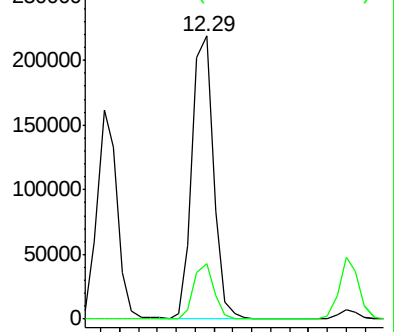
134 19.7 9.4 28.2

Manual Integrations
APPROVED



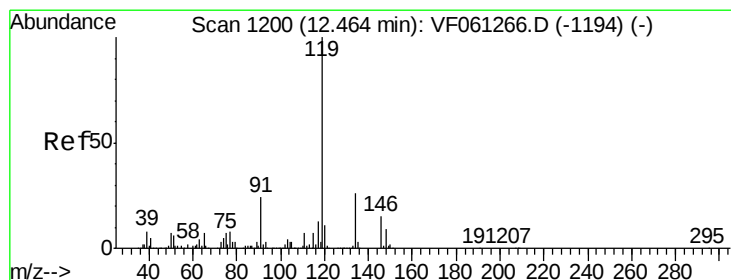
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#86

p-Isopropyltoluene

Concen: 22.416 ug/l

RT: 12.44 min Scan# 1197

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

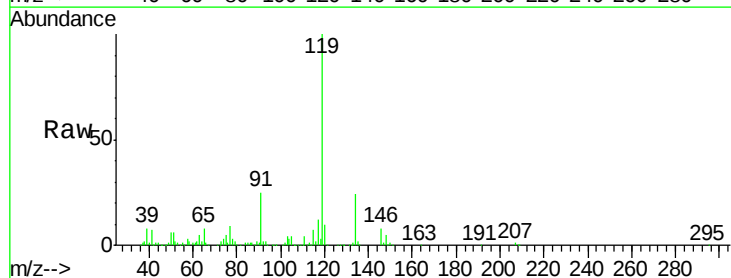
Tgt Ion:119 Resp: 286622

Ion Ratio Lower Upper

119 100

134 23.6 13.2 39.6

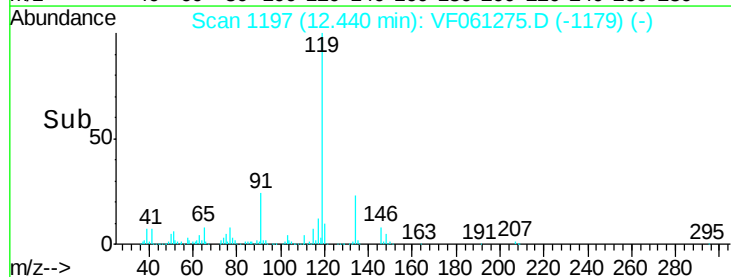
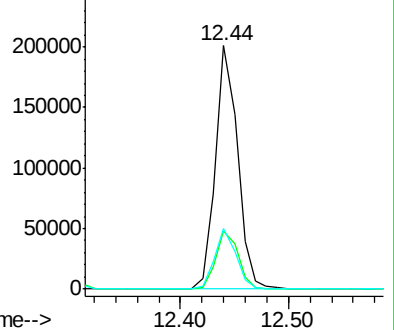
91 24.6 11.9 35.7

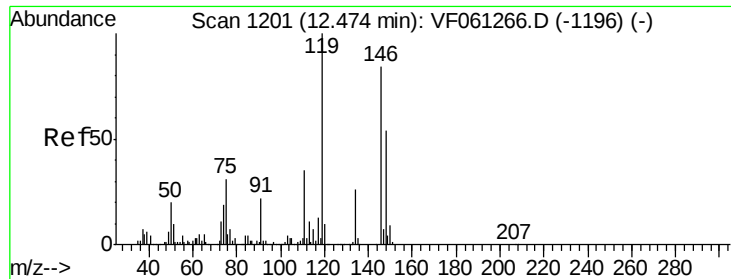


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



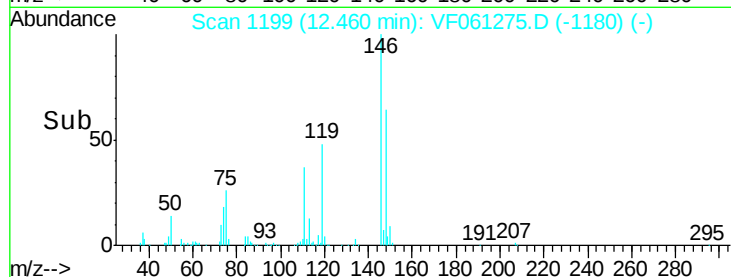
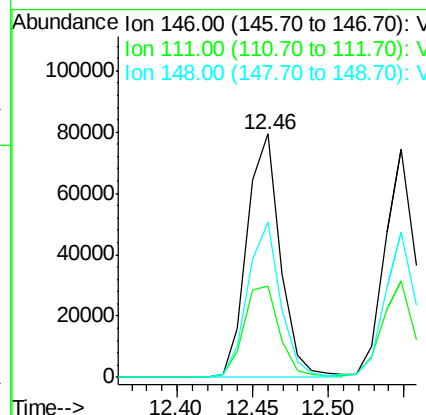
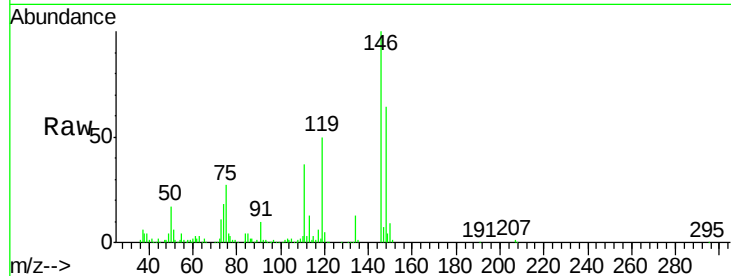


#87
 1,3-Dichlorobenzene
 Concen: 21.965 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

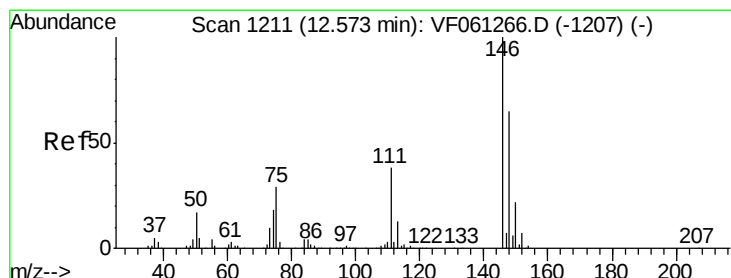
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.9	62.8
148	63.6	32.5	97.4

Manual Integrations
 APPROVED



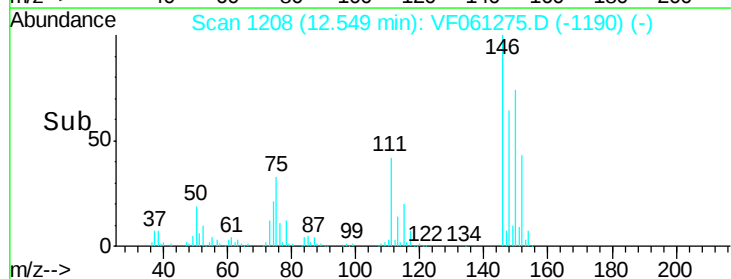
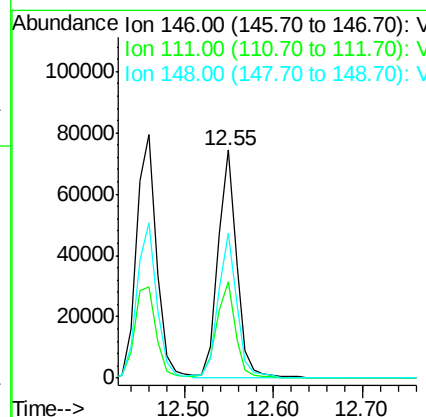
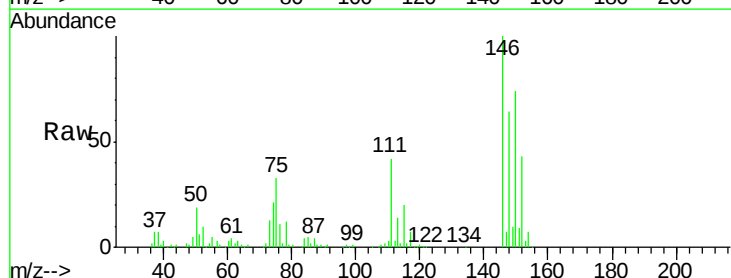
MMDadoda

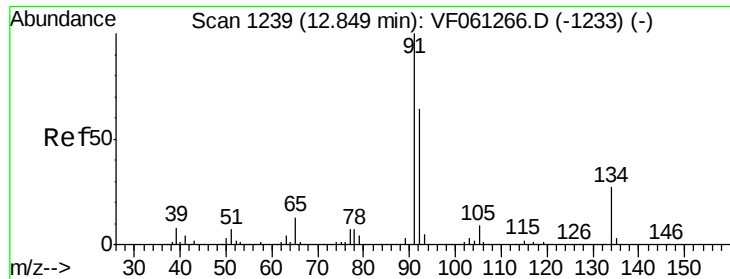
1/8/2019 12:58:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.233 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.3	57.9
148	63.9	32.6	98.0



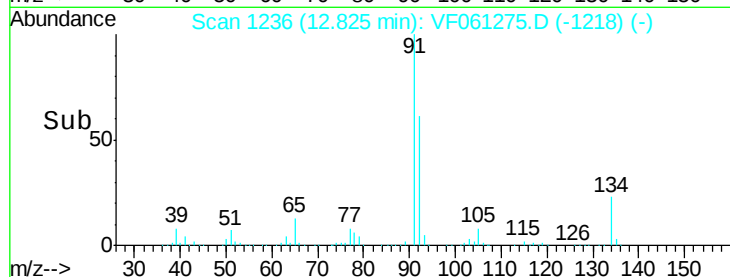
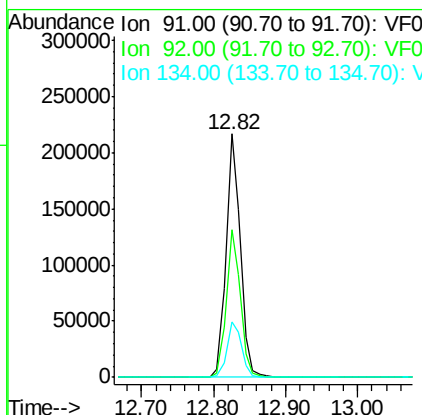
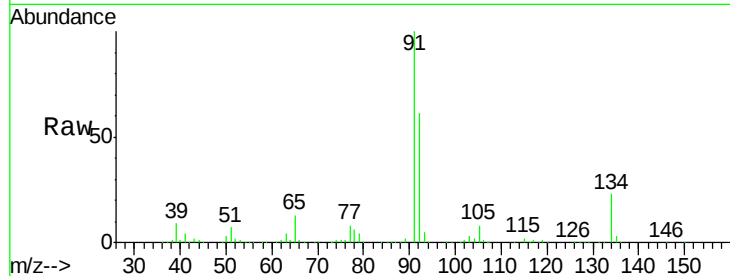


#89
n-Butylbenzene
Concen: 22.128 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

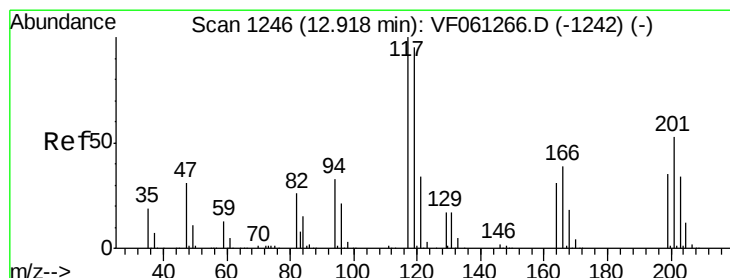
Tot Ion	Ratio	Lower	Upper
91	100		
92	60.7	31.9	95.7
134	22.8	13.6	40.7

Manual Integrations
APPROVED



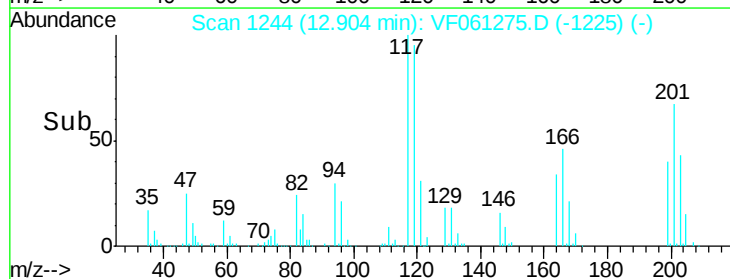
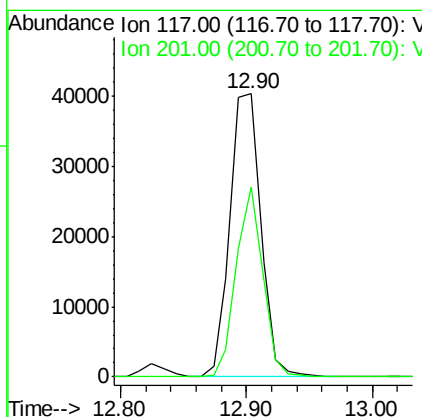
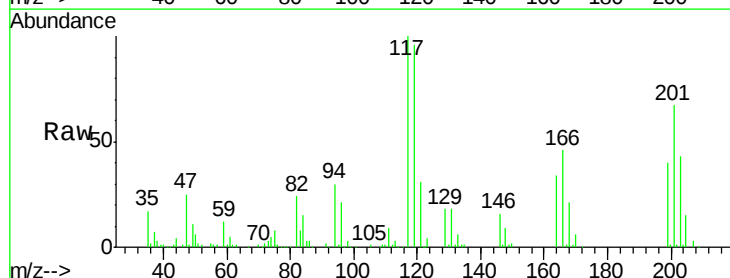
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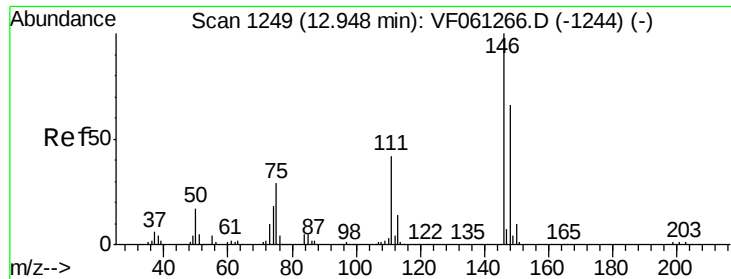
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#90
Hexachloroethane
Concen: 21.733 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.0	26.6	79.7



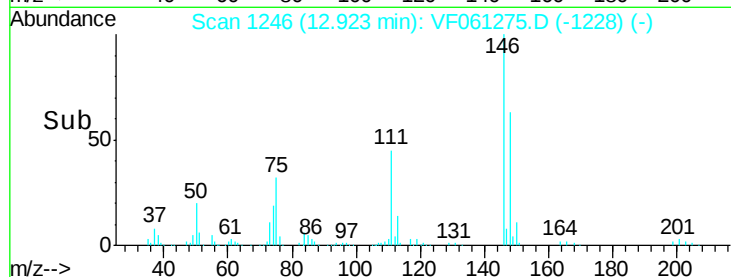
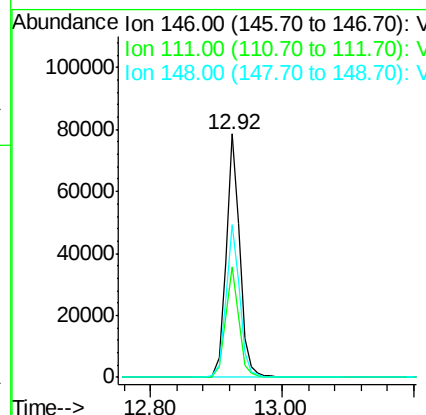
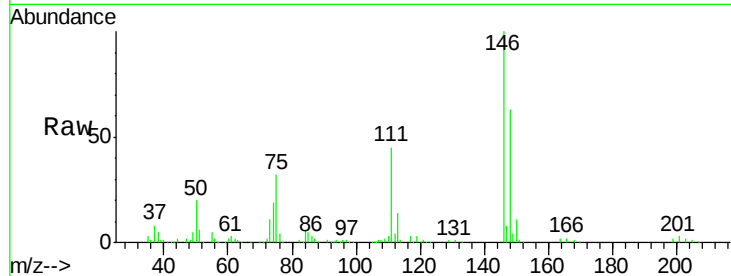


#91
 1,2-Dichlorobenzene
 Concen: 21.165 ug/l
 RT: 12.92 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

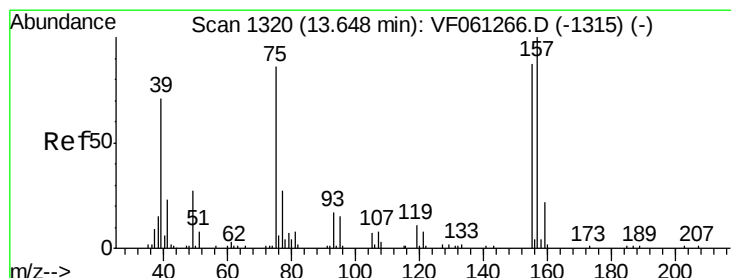
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.1	63.4
148	62.5	32.8	98.4

Manual Integrations
 APPROVED



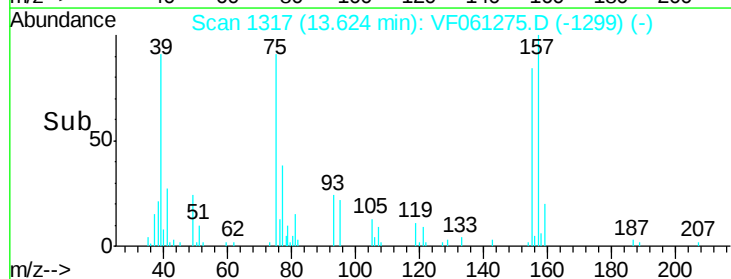
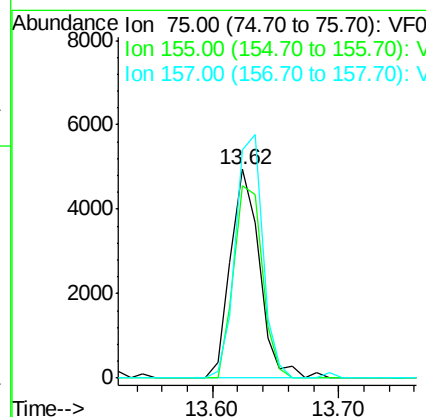
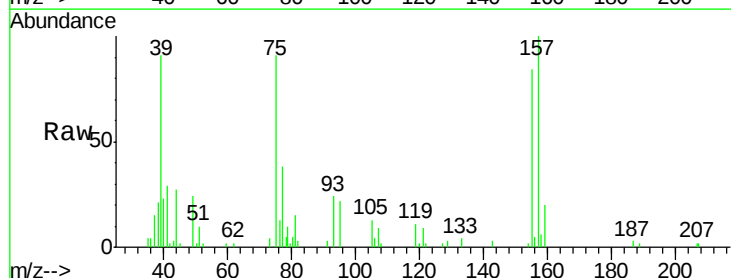
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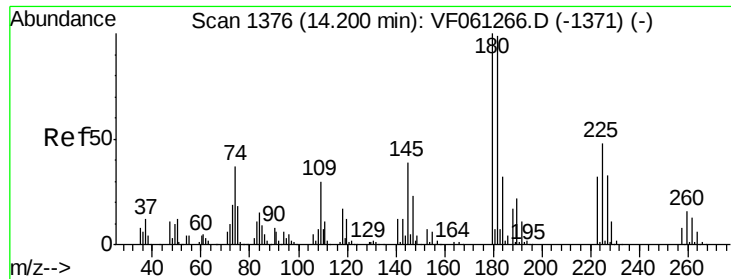
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.282 ug/l
 RT: 13.62 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	50.6	151.8
157	109.6	58.0	173.9



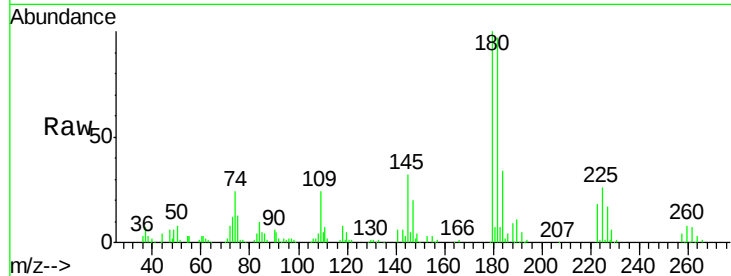


#93
 1,2,4-Trichlorobenzene
 Concen: 22.277 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

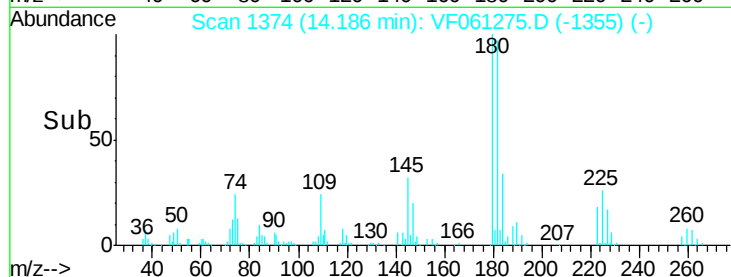
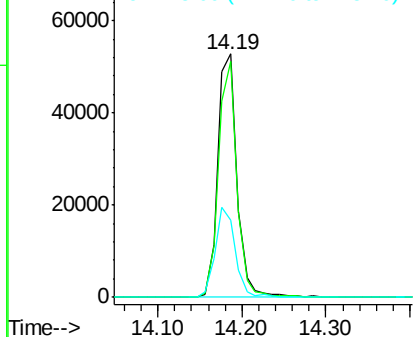
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	83897		
182	96.8	49.5	148.3	
145	32.0	19.7	59.0	

Manual Integrations
 APPROVED

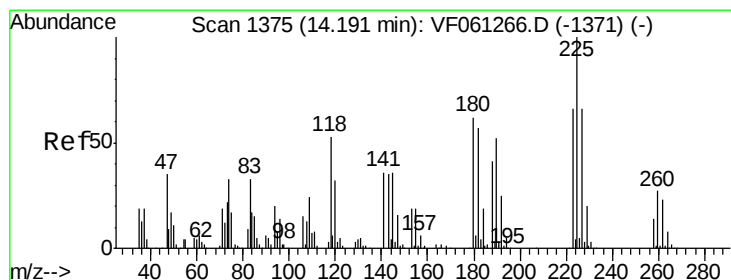


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



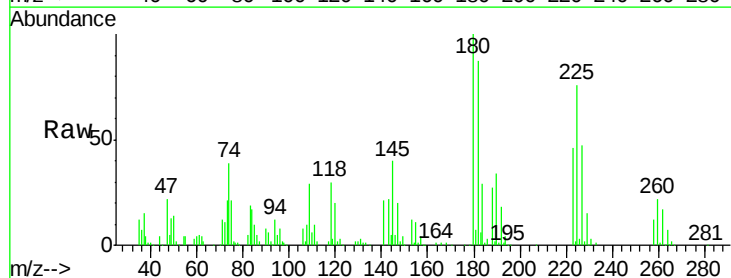
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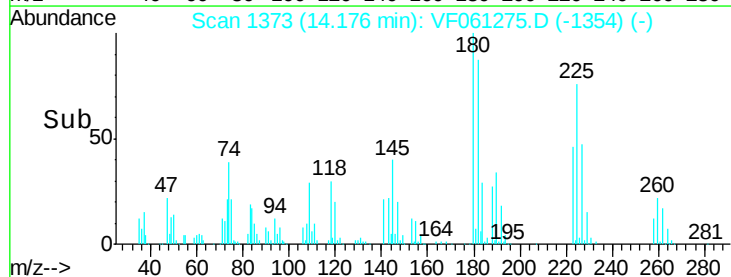
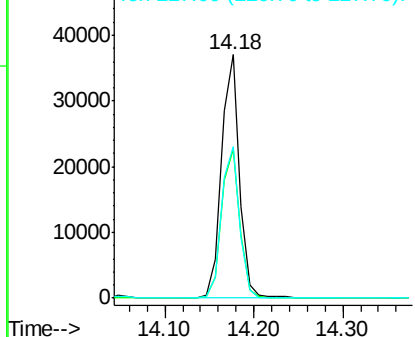


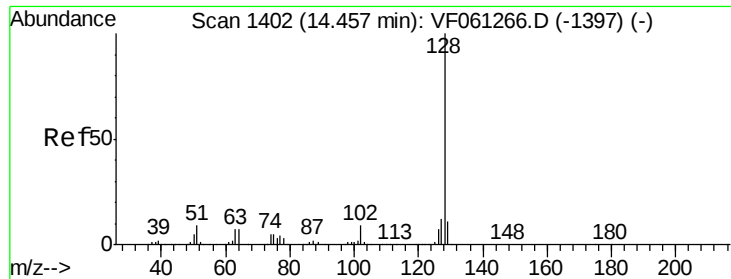
#94
 Hexachlorobutadiene
 Concen: 22.070 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52957		
223	61.3	33.0	99.0	
227	62.1	32.8	98.4	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V



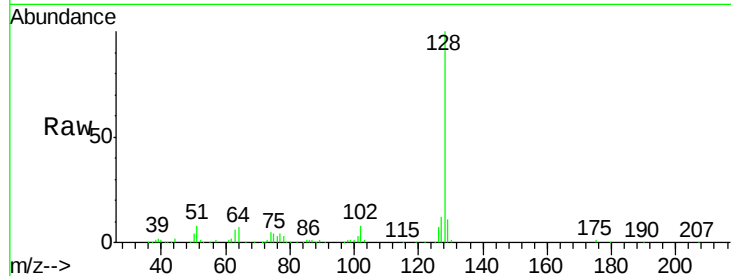


#95
Naphthalene
Concen: 20.765 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

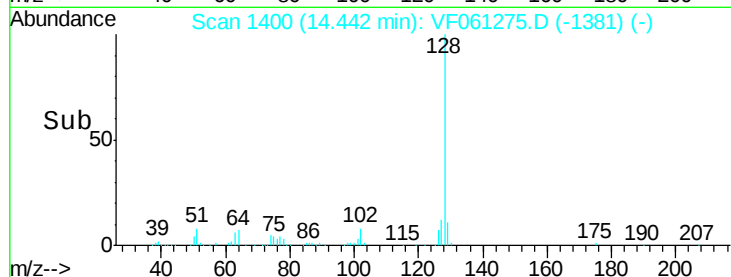
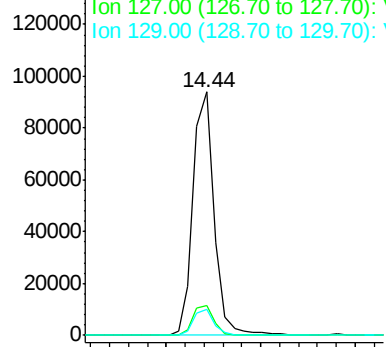
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	146177		
127	12.0	9.8	14.6	
129	10.9	9.0	13.4	

Manual Integrations
APPROVED

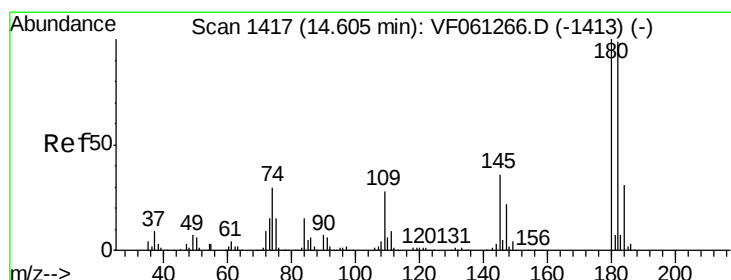


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



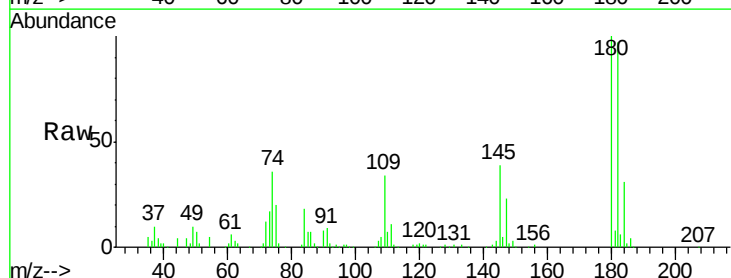
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#96
1,2,3-Trichlorobenzene
Concen: 21.277 ug/l
RT: 14.58 min Scan# 1414
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74296		
182	96.7	49.5	148.5	
145	38.9	18.0	54.0	



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

