

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061264.D
 Acq On : 3 Jan 2019 14:49
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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Quant Time: Jan 04 02:51:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	207439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	370302	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	340175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	175901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	28248	10.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.22%	
35) Dibromofluoromethane	4.12	113	30445	10.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.58%	
50) Toluene-d8	7.56	98	91010	10.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.58%	
62) 4-Bromofluorobenzene	11.41	95	40054	10.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	40077	8.899	ug/l	99
3) Chloromethane	1.10	50	32776	12.172	ug/l	98
4) Vinyl Chloride	1.14	62	26578	10.671	ug/l	96
5) Bromomethane	1.32	94	17808	10.346	ug/l	91
6) Chloroethane	1.38	64	13654	11.968	ug/l	89
7) Trichlorofluoromethane	1.49	101	51812	11.063	ug/l	97
8) Diethyl Ether	1.64	74	7809	12.272	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	26987	11.023	ug/l	91
10) Methyl Iodide	1.91	142	41077m	10.697	ug/l	
11) Tert butyl alcohol	2.58	59	5976	56.203	ug/l	96
12) 1,1-Dichloroethene	1.79	96	22617	12.325	ug/l	99
13) Acrolein	2.00	56	7050	88.390	ug/l	84
14) Allyl chloride	2.10	41	30819	14.719	ug/l	91
15) Acrylonitrile	2.94	53	16948	67.495	ug/l	95
16) Acetone	2.24	43	35350	69.725	ug/l	92
17) Carbon Disulfide	1.83	76	66533	11.828	ug/l #	92
18) Methyl Acetate	2.35	43	17566m	15.928	ug/l	
19) Methyl tert-butyl Ether	2.44	73	46561	11.610	ug/l #	89
20) Methylene Chloride	2.23	84	37897m	18.741	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	22118	11.082	ug/l	92
22) Diisopropyl ether	2.80	45	70648	11.019	ug/l #	99
23) Vinyl Acetate	3.20	43	183366	62.666	ug/l	98
24) 1,1-Dichloroethane	2.88	63	42426	11.130	ug/l	99
25) 2-Butanone	4.34	43	61183	70.935	ug/l #	88
26) 2,2-Dichloropropane	3.60	77	25138	11.415	ug/l	89
27) cis-1,2-Dichloroethene	3.48	96	32311	10.703	ug/l	99
28) Bromochloromethane	3.73	49	20271	10.714	ug/l	99
29) Tetrahydrofuran	4.09	42	23559	66.960	ug/l	98
30) Chloroform	3.87	83	59714	10.586	ug/l	94
31) Cyclohexane	3.70	56	46646	11.682	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	43529	12.365	ug/l	98
36) 1,1-Dichloropropene	4.29	75	43783	9.776	ug/l	97
37) Ethyl Acetate	4.11	43	19580	10.828	ug/l #	72
38) Carbon Tetrachloride	4.01	117	36682	10.619	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	47987	11.662	ug/l	93
40) Benzene	4.64	78	109654	11.308	ug/l	99
41) Methacrylonitrile	4.76	41	11848	12.785	ug/l	90
42) 1,2-Dichloroethane	4.95	62	34411	9.656	ug/l	92
43) Isopropyl Acetate	6.97	43	25401	11.765	ug/l #	93
44) Trichloroethene	5.52	130	32393	10.755	ug/l	96
45) 1,2-Dichloropropane	6.25	63	25640	9.777	ug/l	95
46) Dibromomethane	6.10	93	16930	10.107	ug/l	93
47) Bromodichloromethane	6.39	83	43615	10.059	ug/l	98
48) Methyl methacrylate	6.73	41	15723	10.437	ug/l	91
49) 1,4-Dioxane	6.71	88	2117	197.125	ug/l #	85
51) 4-Methyl-2-Pentanone	8.27	43	99797	67.590	ug/l	99
52) Toluene	7.64	92	69818	10.893	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	36596	10.356	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	45236	10.182	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	19245	10.106	ug/l	94
56) Ethyl methacrylate	8.62	69	21673	10.538	ug/l	91
57) 1,3-Dichloropropane	8.86	76	38192	11.062	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	12226	32.611	ug/l #	86
59) 2-Hexanone	9.50	43	71035	66.924	ug/l	96
60) Dibromochloromethane	8.72	129	27815	10.348	ug/l	93
61) 1,2-Dibromoethane	9.00	107	20414	10.079	ug/l	91
64) Tetrachloroethene	8.16	164	26263	9.937	ug/l	95
65) Chlorobenzene	9.81	112	72754	10.235	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	29252	10.066	ug/l	96
67) Ethyl Benzene	9.91	91	134766	10.349	ug/l	99
68) m/p-Xylenes	10.14	106	101663	22.333	ug/l	98
69) o-Xylene	10.71	106	52545	10.315	ug/l	82
70) Styrene	10.79	104	76552	10.872	ug/l	96
71) Bromoform	10.77	173	13618	10.173	ug/l #	91
73) Isopropylbenzene	11.13	105	160824	10.601	ug/l	96
74) N-amyl acetate	11.37	43	41295	12.186	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	30454	12.231	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	21698	11.701	ug/l	78
77) Bromobenzene	11.50	156	33355	10.275	ug/l	92
78) n-propylbenzene	11.60	91	189529	10.631	ug/l	98
79) 2-Chlorotoluene	11.72	91	113826	10.994	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	130353	10.512	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	10066m	12.433	ug/l	
82) 4-Chlorotoluene	11.91	91	113365	10.537	ug/l	99
83) tert-Butylbenzene	12.13	119	136912	10.738	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	133288	10.777	ug/l	91
85) sec-Butylbenzene	12.31	105	176555	10.529	ug/l	99
86) p-Isopropyltoluene	12.46	119	151709	10.879	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	65387	10.629	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	62764	10.410	ug/l	98
89) n-Butylbenzene	12.84	91	163137	11.328	ug/l	93
90) Hexachloroethane	12.92	117	34920	10.146	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	66030	11.402	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	4763	10.533	ug/l	76

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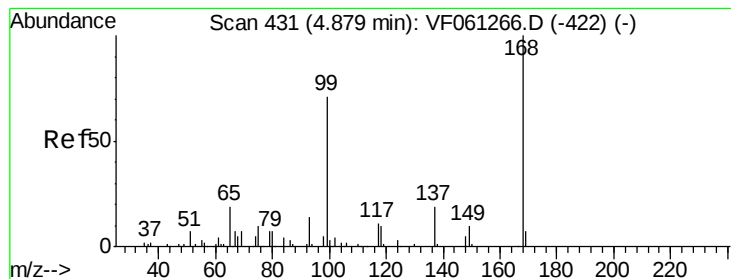
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	44556	10.796	ug/l	95
94) Hexachlorobutadiene	14.20	225	26358	10.032	ug/l	93
95) Naphthalene	14.46	128	77430	10.384	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	38242	10.129	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 207439

Ion Ratio Lower Upper

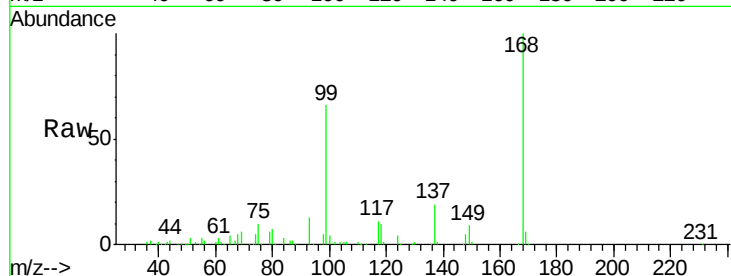
168 100

99 66.1 57.0 85.6

Manual Integrations
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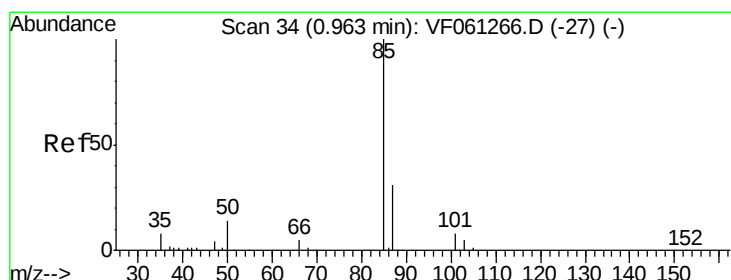
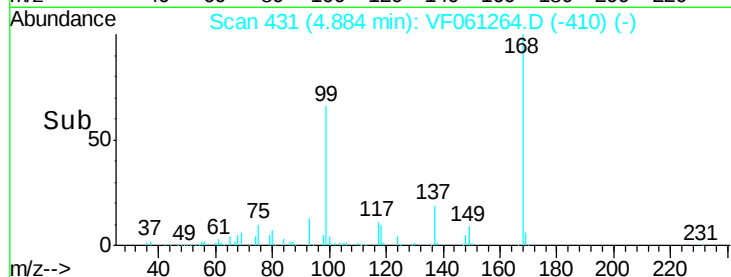
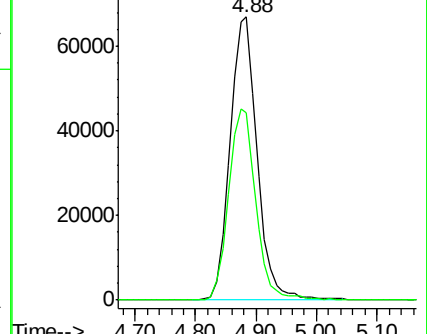
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 8.899 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061264.D

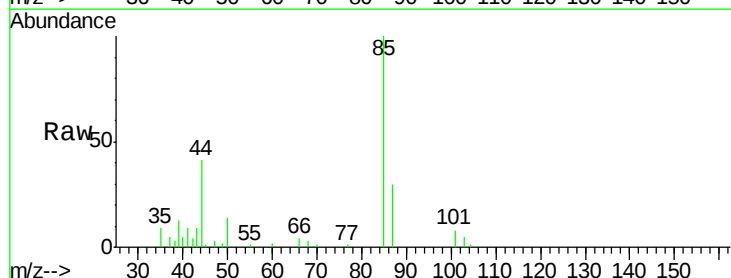
Acq: 3 Jan 2019 14:49

Tgt Ion: 85 Resp: 40077

Ion Ratio Lower Upper

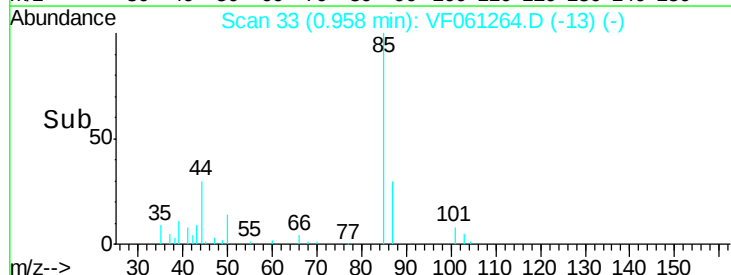
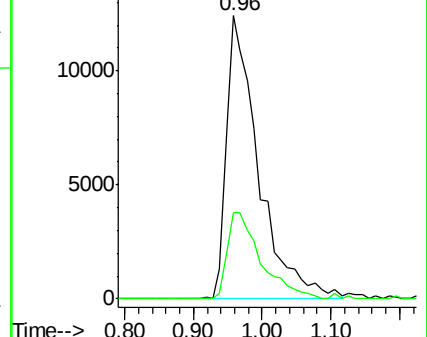
85 100

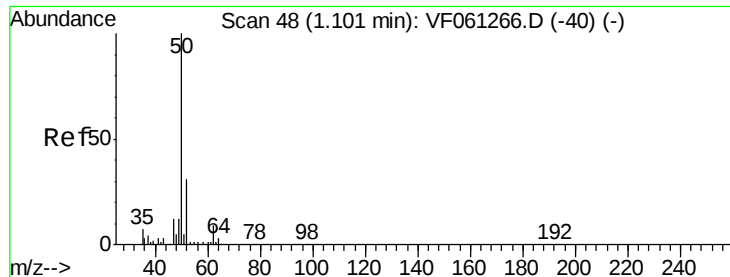
87 30.4 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 12.172 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 32776

Ion Ratio Lower Upper

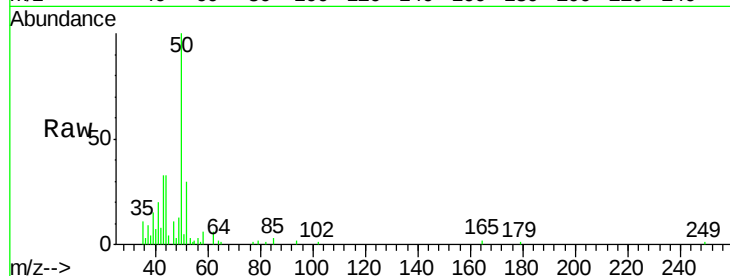
50 100

52 30.1 23.4 35.2

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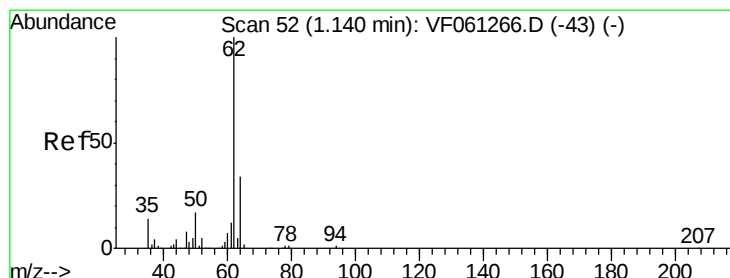
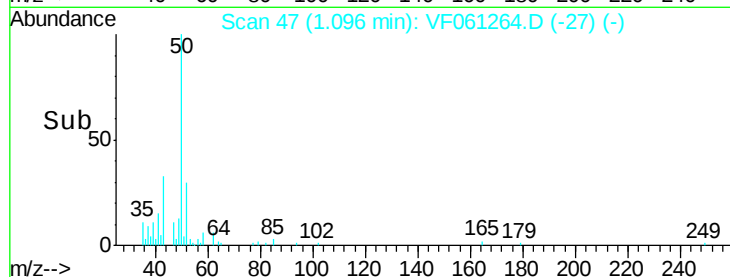
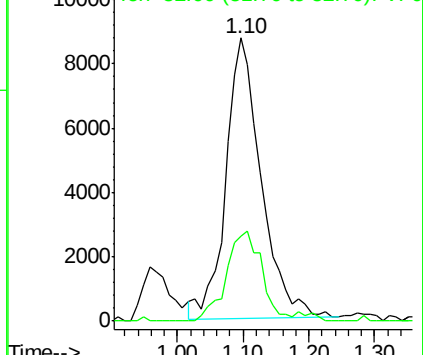
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 10.671 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061264.D

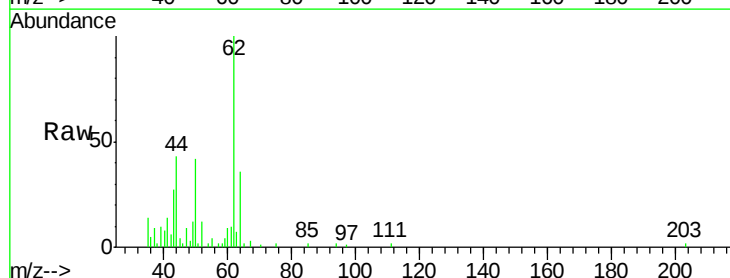
Acq: 3 Jan 2019 14:49

Tgt Ion: 62 Resp: 26578

Ion Ratio Lower Upper

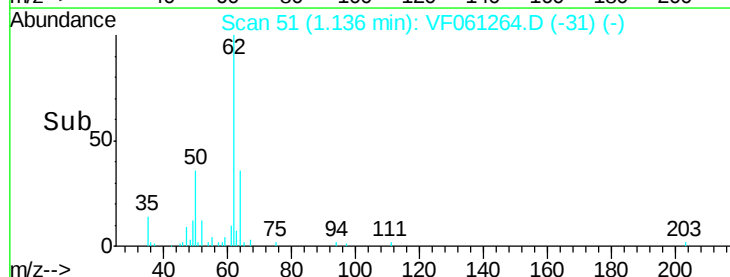
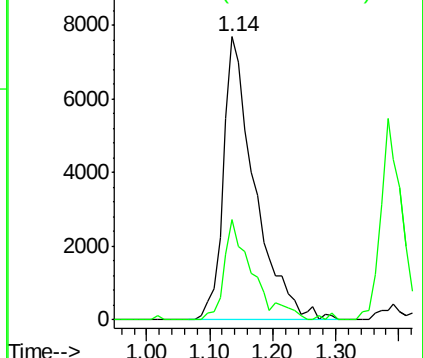
62 100

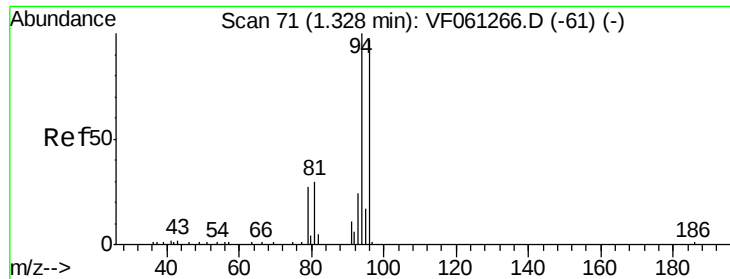
64 35.7 26.9 40.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 10.346 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 17808

Ion Ratio Lower Upper

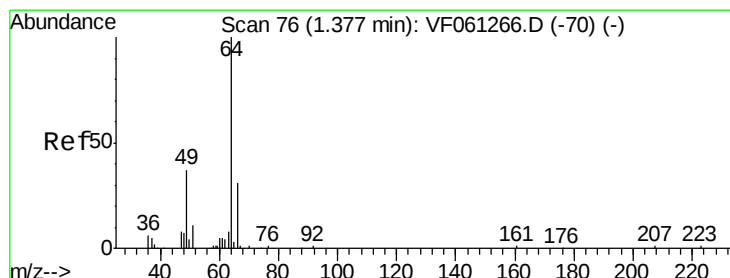
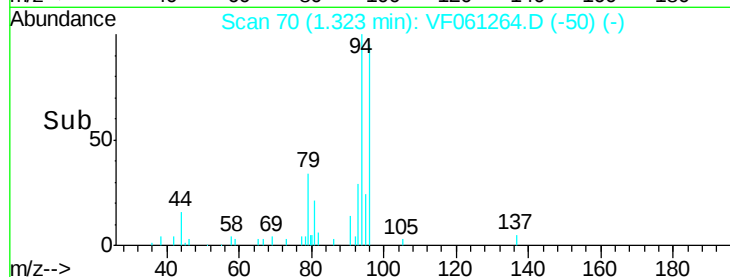
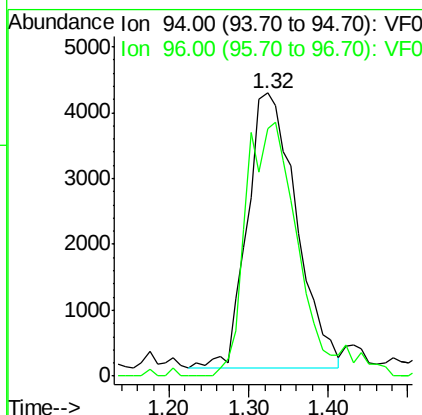
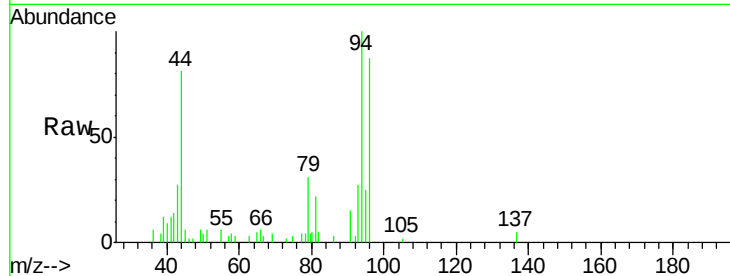
94 100

96 87.3 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 11.968 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061264.D

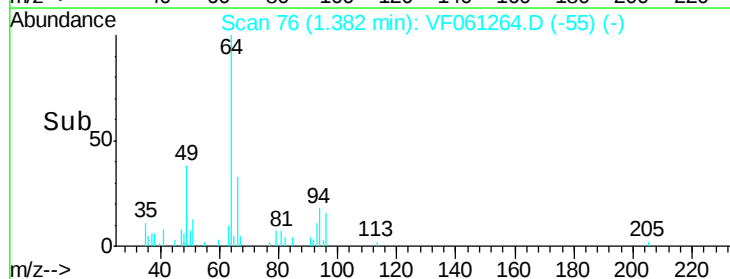
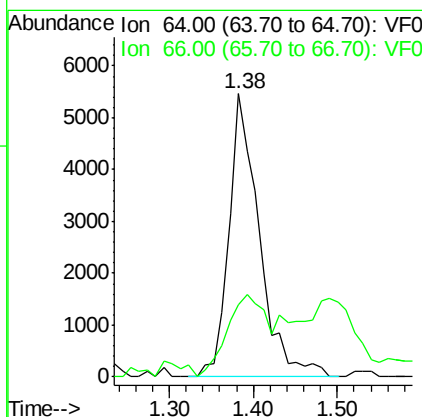
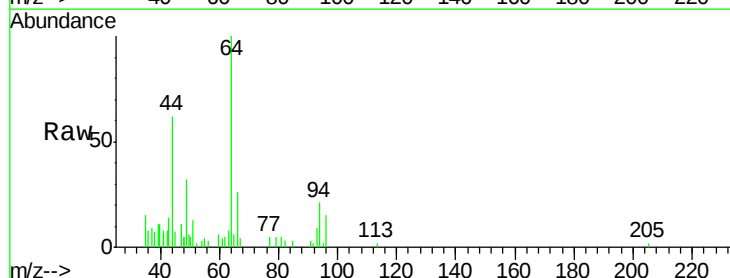
Acq: 3 Jan 2019 14:49

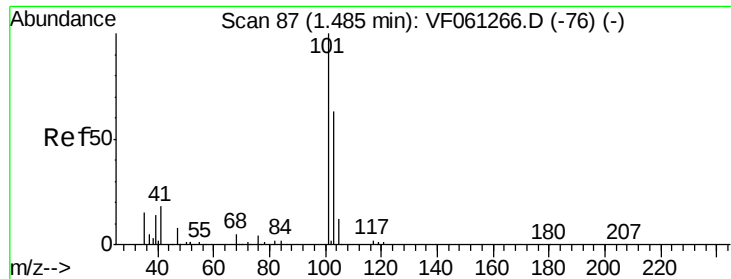
Tgt Ion: 64 Resp: 13654

Ion Ratio Lower Upper

64 100

66 25.7 25.2 37.8





#7

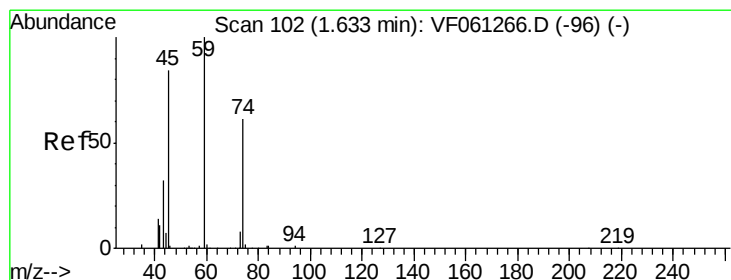
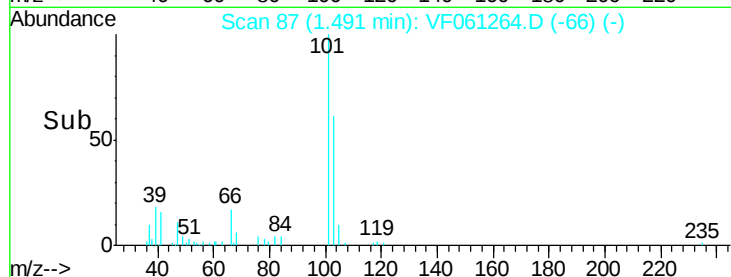
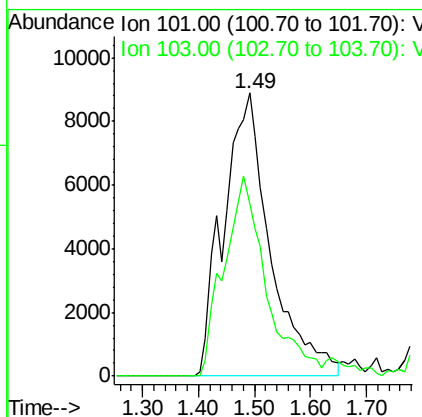
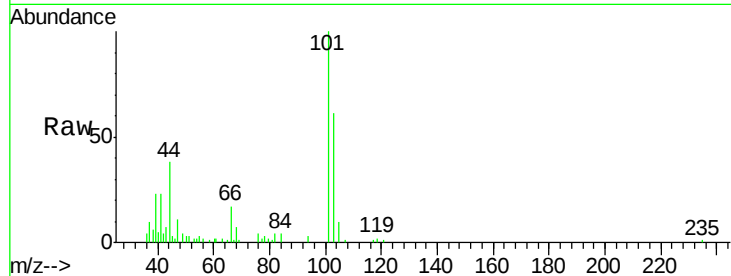
Trichlorofluoromethane
 Concen: 11.063 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
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 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	50.3	75.5

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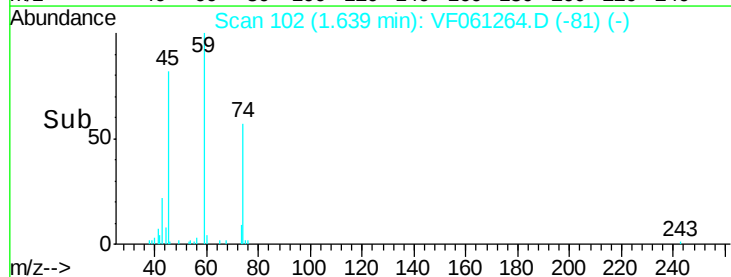
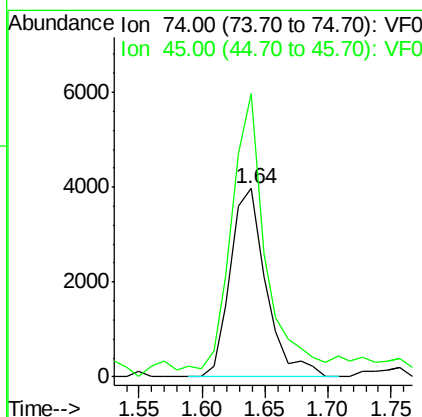
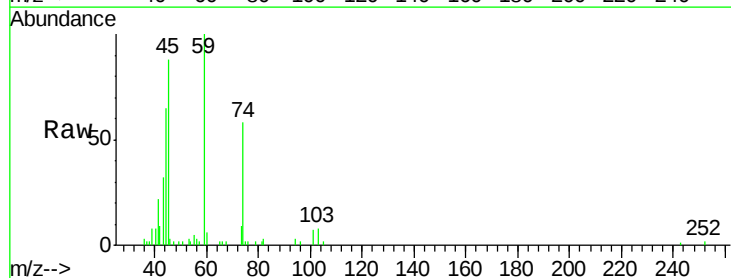
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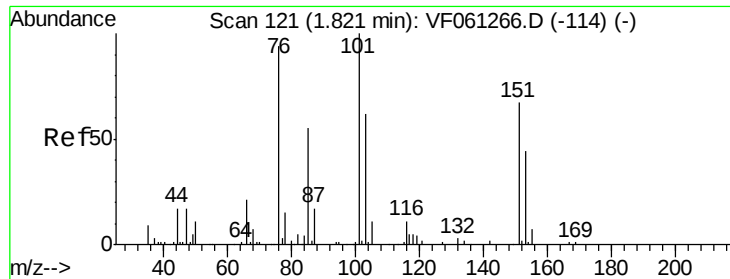


#8

Diethyl Ether
 Concen: 12.272 ug/l
 RT: 1.64 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	150.5	69.0	207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.023 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

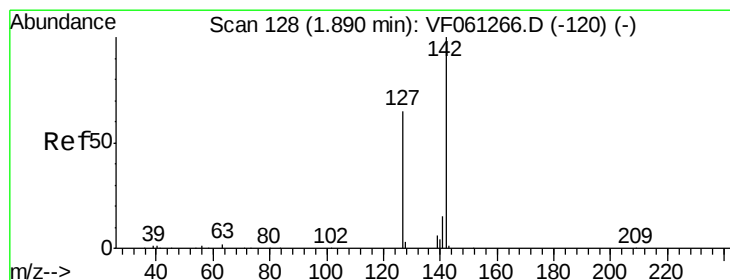
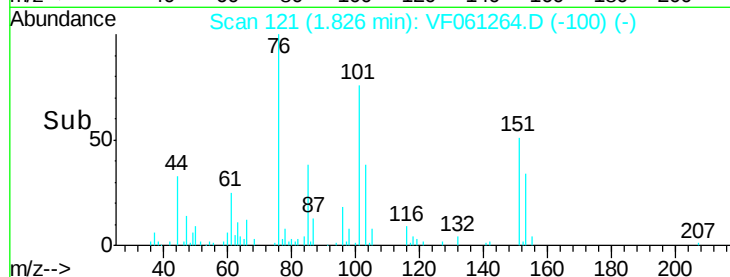
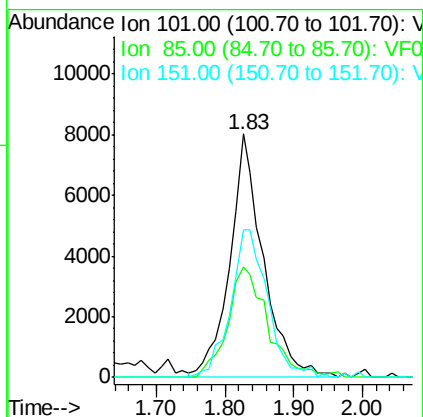
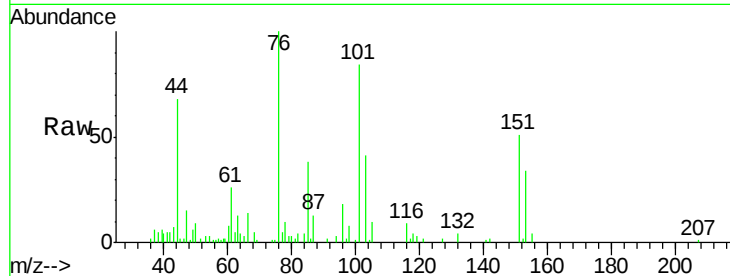
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	26987
Ion Ratio	Lower	Upper	
101	100		
85	45.1	42.9	64.3
151	60.7	52.4	78.6

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#10

Methyl Iodide

Concen: 10.697 ug/l m

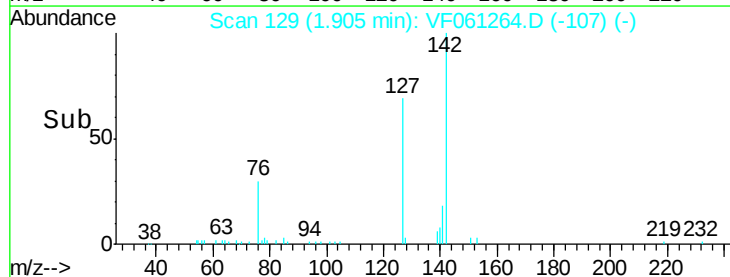
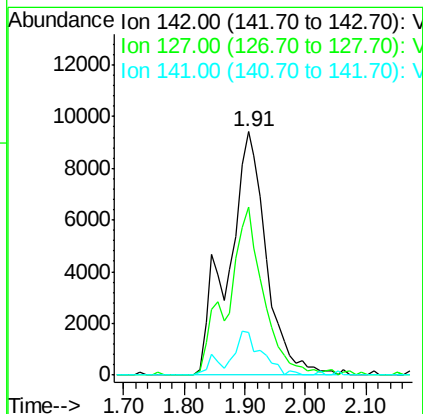
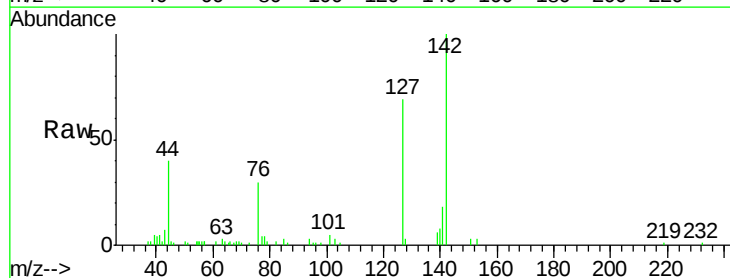
RT: 1.91 min Scan# 129

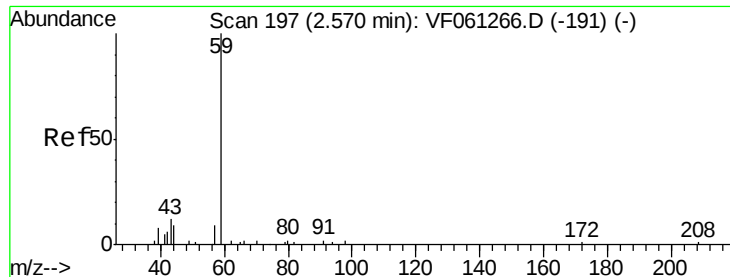
Delta R.T. 0.02 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	142	Resp:	41077
Ion Ratio	Lower	Upper	
142	100		
127	69.0	52.3	78.5
141	17.5	12.2	18.4





#11

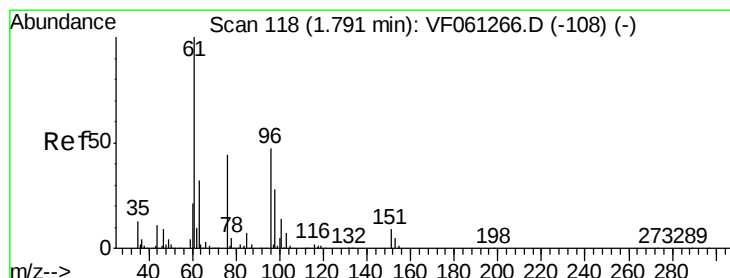
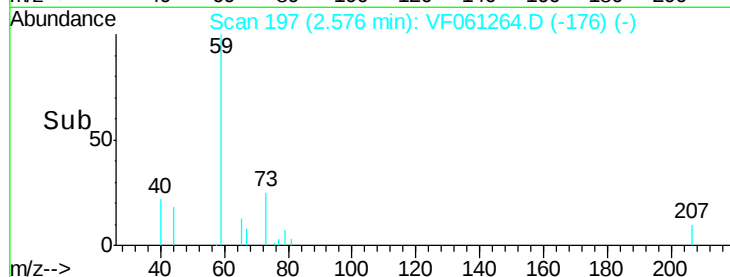
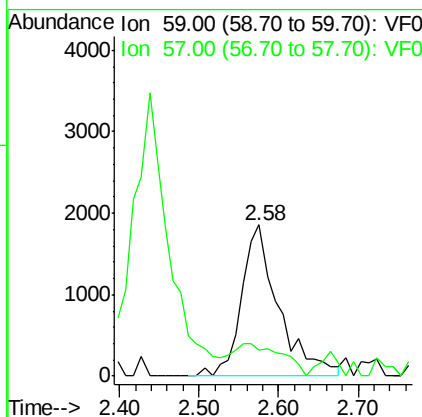
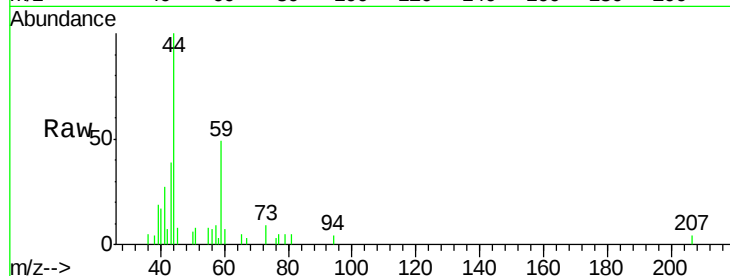
Tert butyl alcohol
Concen: 56.203 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.3	12.6	18.8

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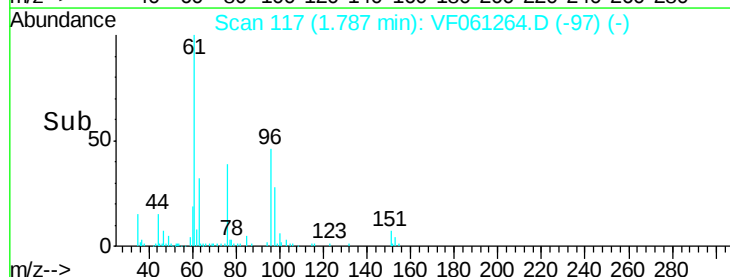
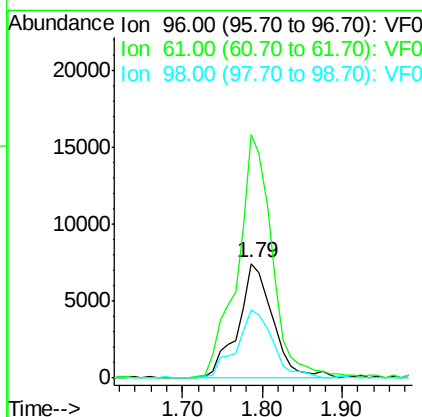
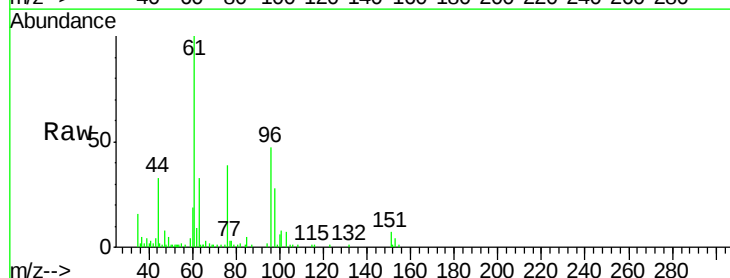
apatel
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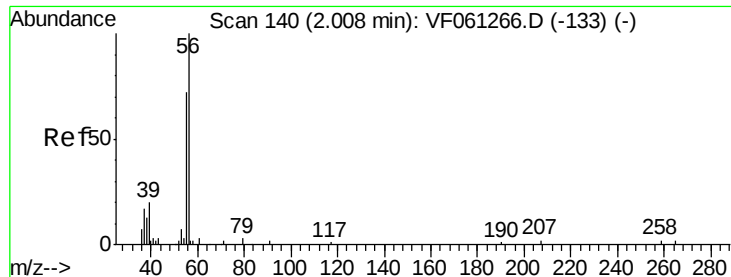


#12

1,1-Dichloroethene
Concen: 12.325 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	212.1	171.6	257.4
98	59.7	48.6	72.8





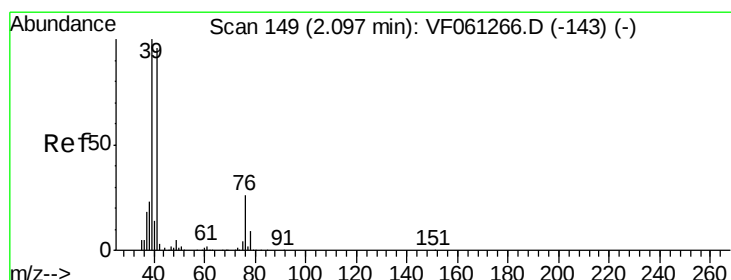
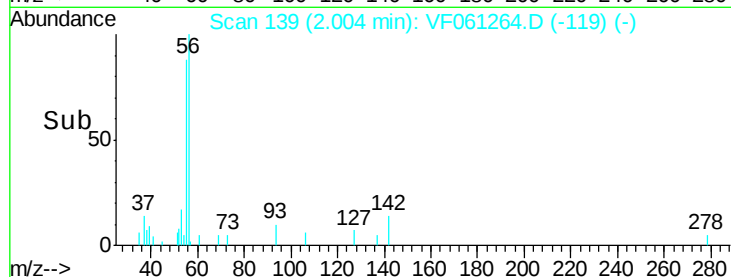
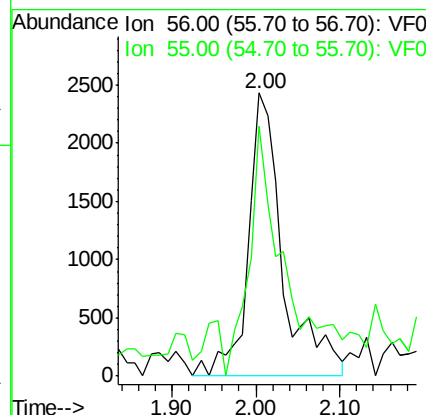
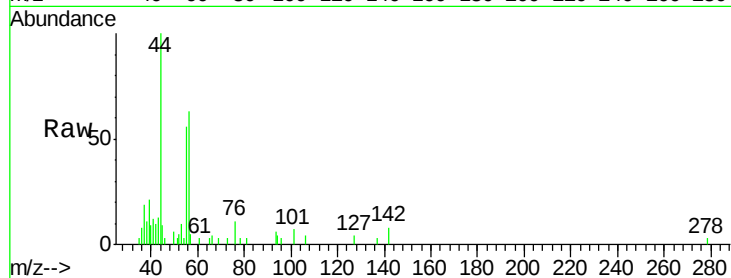
#13
Acrolein
Concen: 88.390 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 7050
Ion Ratio Lower Upper
56 100
55 88.2 59.7 89.5

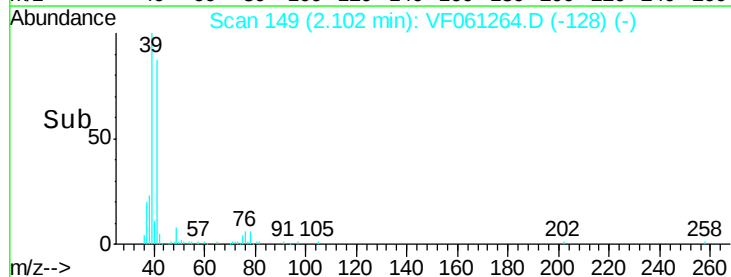
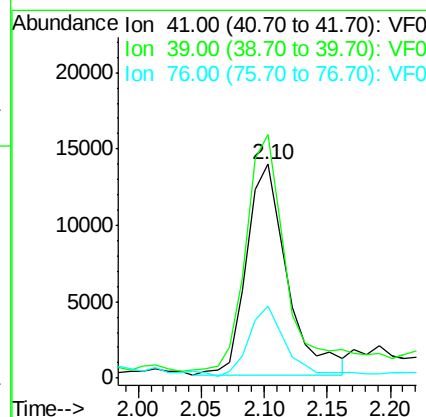
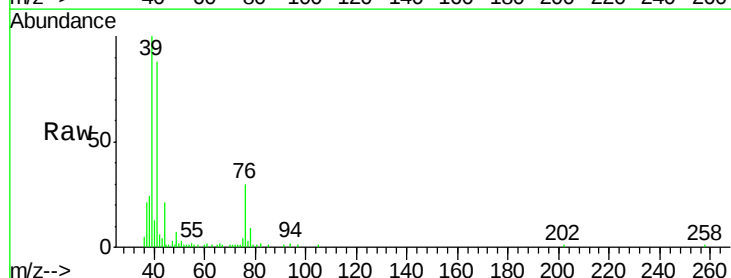
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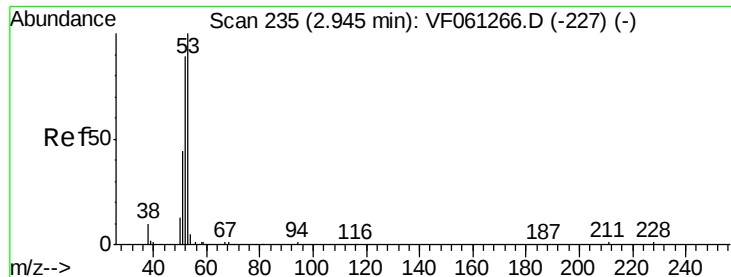
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#14
Allyl chloride
Concen: 14.719 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 41 Resp: 30819
Ion Ratio Lower Upper
41 100
39 114.0 83.4 125.2
76 34.0 23.9 35.9





#15

Acrylonitrile

Concen: 67.495 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

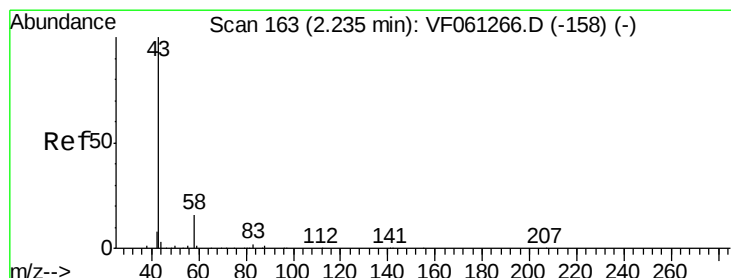
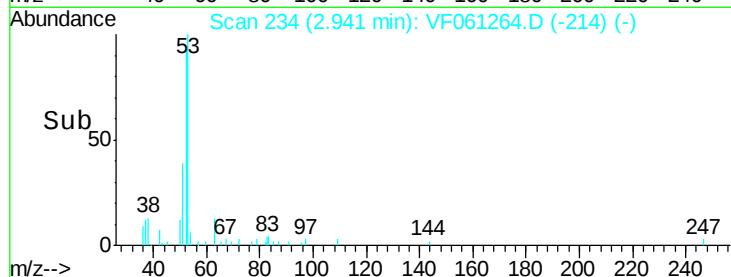
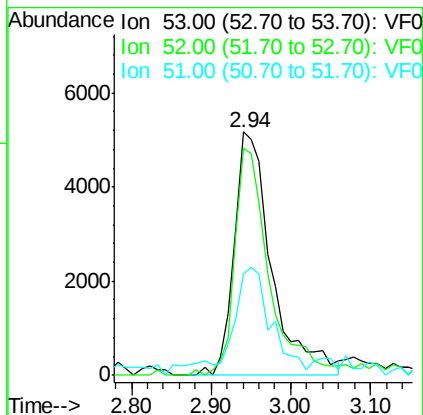
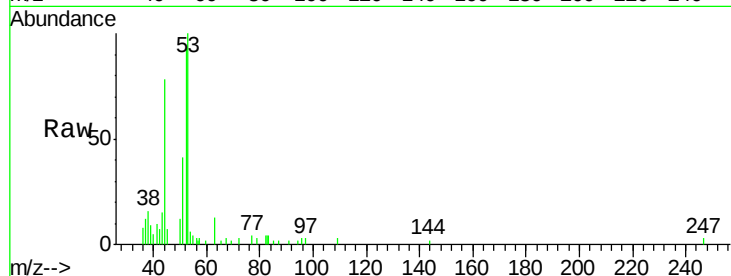
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	16948
Ion	Ratio	Lower	Upper
53	100		
52	93.5	71.3	106.9
51	41.5	36.2	54.4

Manual Integrations
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#16

Acetone

Concen: 69.725 ug/l

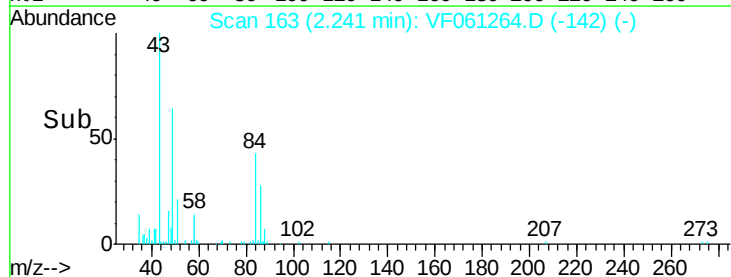
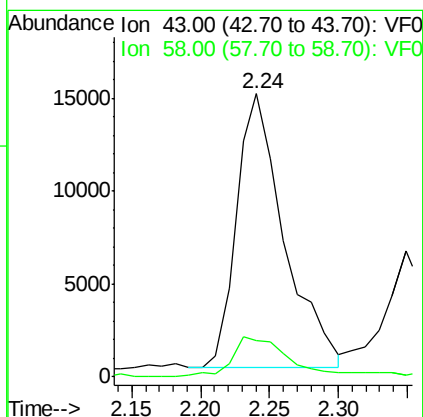
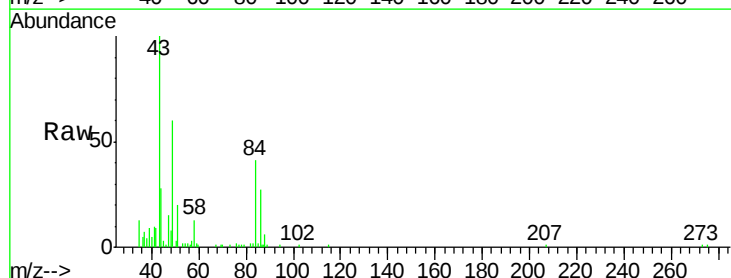
RT: 2.24 min Scan# 163

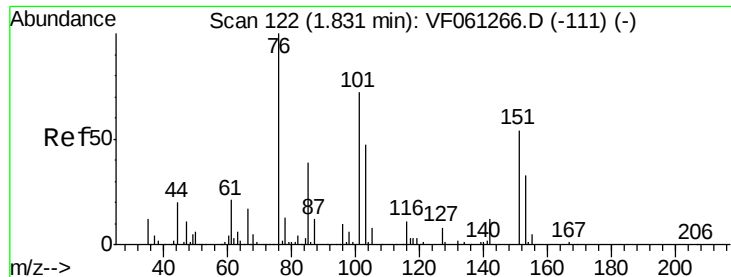
Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	43	Resp:	35350
Ion	Ratio	Lower	Upper
43	100		
58	13.0	13.0	19.4





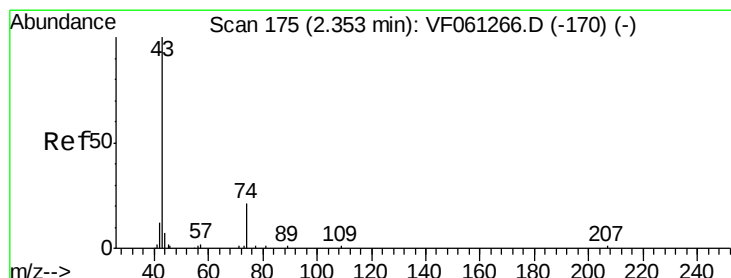
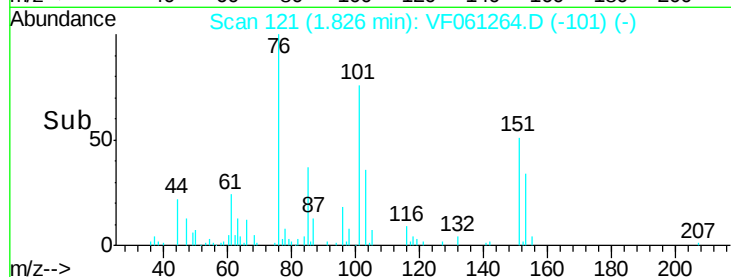
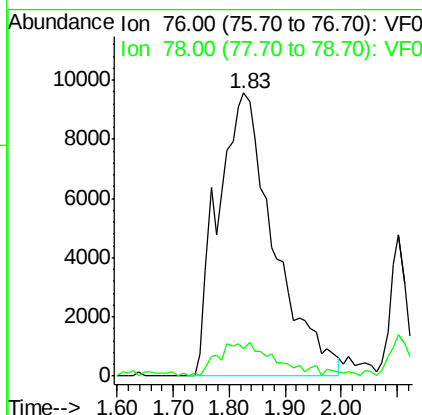
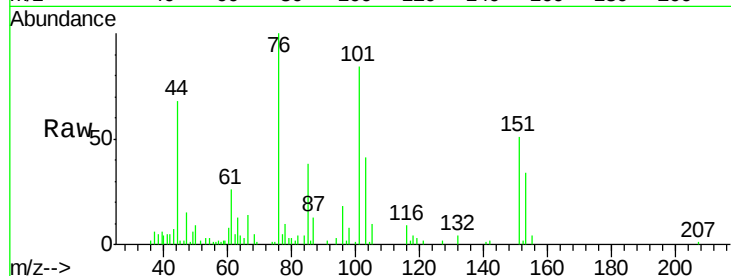
#17
Carbon Disulfide
Concen: 11.828 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion: 76 Resp: 66533
Ion Ratio Lower Upper
76 100
78 9.5 10.2 15.4#

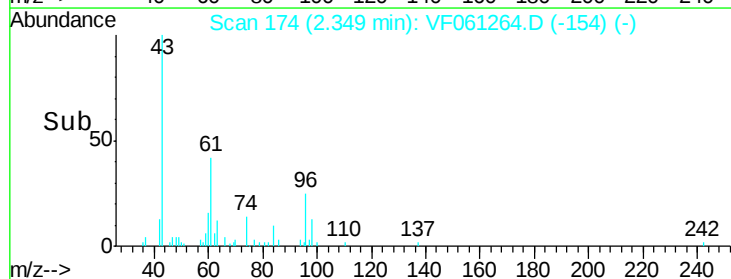
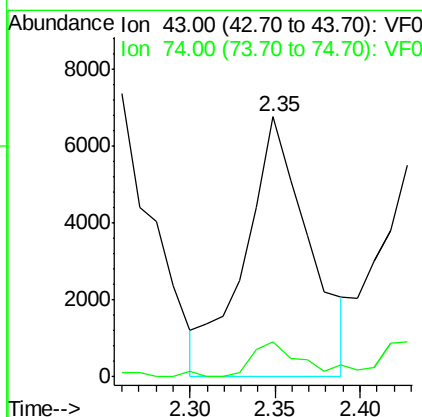
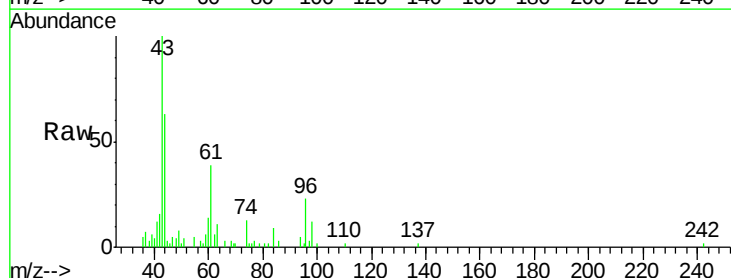
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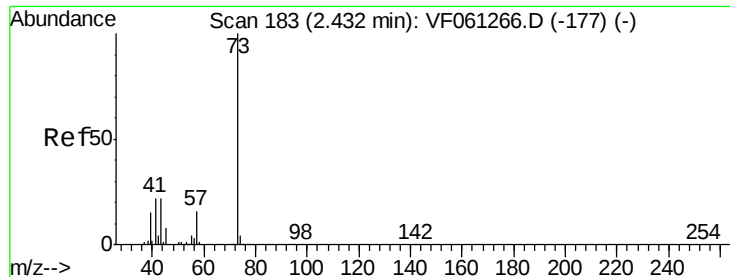
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#18
Methyl Acetate
Concen: 15.928 ug/l m
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 43 Resp: 17566
Ion Ratio Lower Upper
43 100
74 13.3 14.4 21.6#





#19

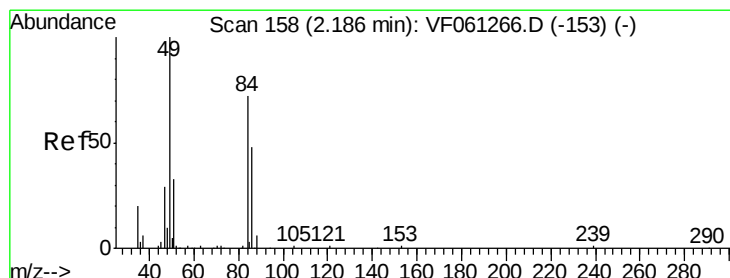
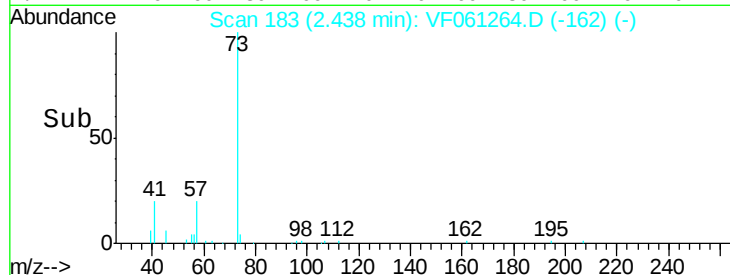
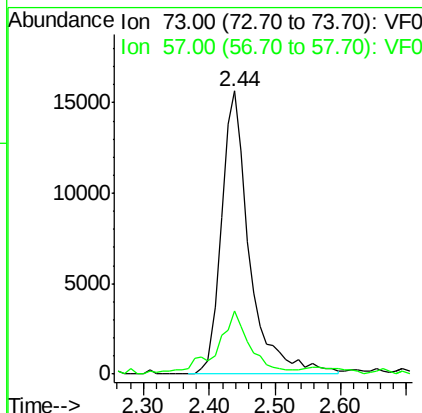
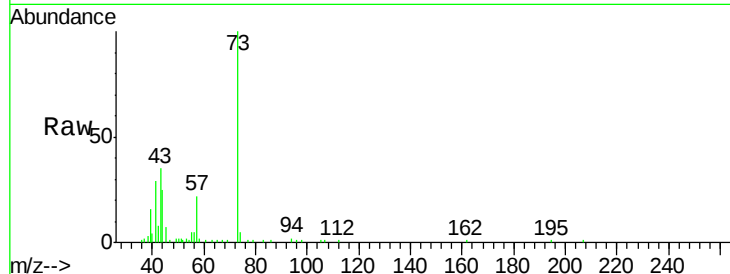
Methyl tert-butyl Ether
 Concen: 11.610 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	73	Resp	46561
Ion Ratio	Lower	Upper	
73	100		
57	22.2	14.0	21.0#

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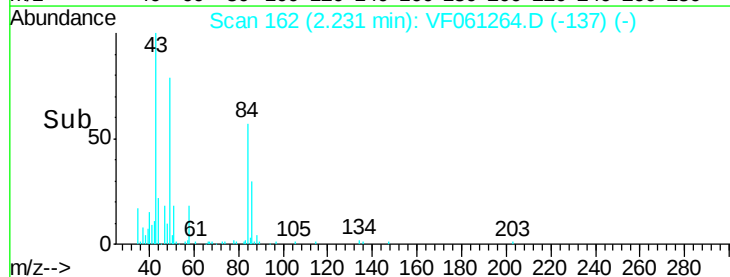
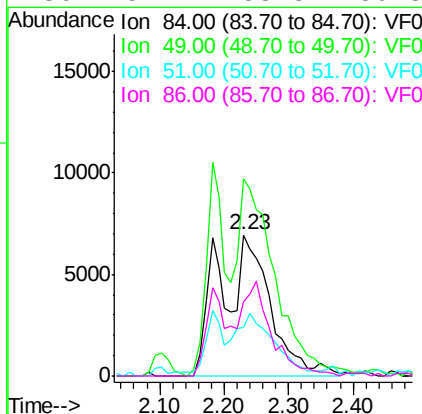
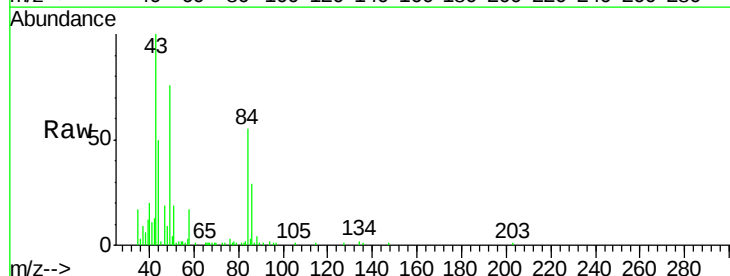
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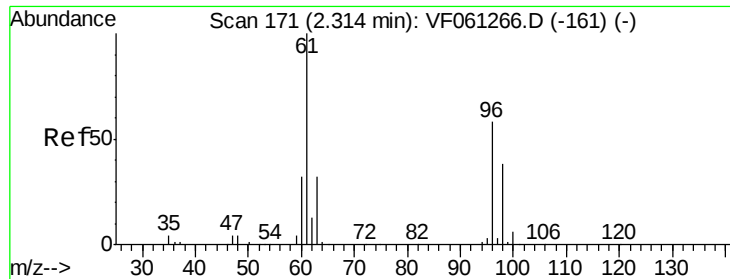


#20

Methylene Chloride
 Concen: 18.741 ug/l m
 RT: 2.23 min Scan# 162
 Delta R.T. 0.04 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	84	Resp	37897
Ion Ratio	Lower	Upper	
84	100		
49	139.1	112.9	169.3
51	34.0	37.9	56.9#
86	52.1	53.8	80.8#





#21

trans-1,2-Dichloroethene

Concen: 11.082 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 22118

Ion Ratio Lower Upper

96 100

61 183.3 139.3 208.9

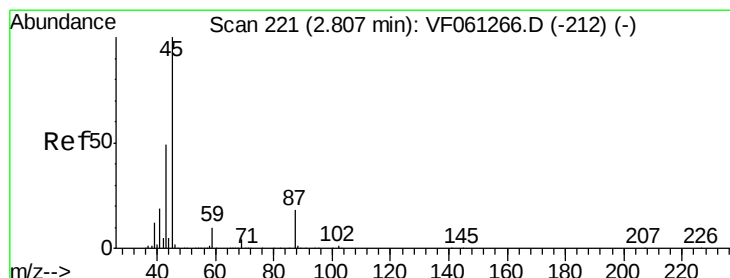
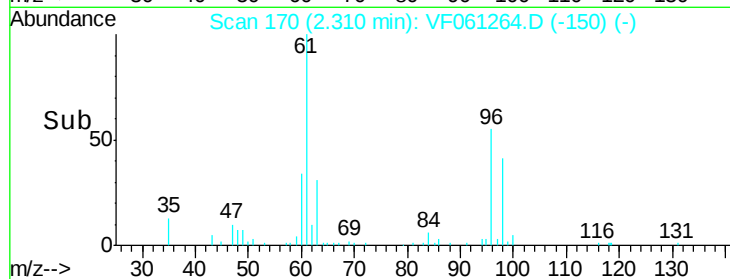
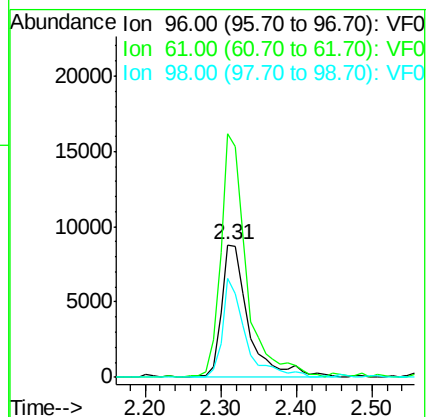
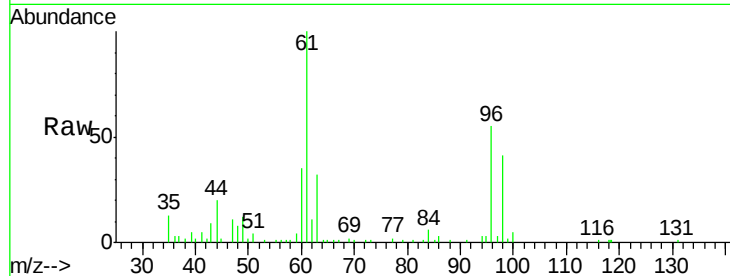
98 74.8 52.6 78.8

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#22

Diisopropyl ether

Concen: 11.019 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion: 45 Resp: 70648

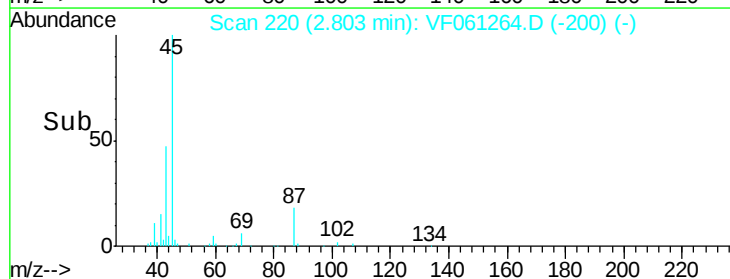
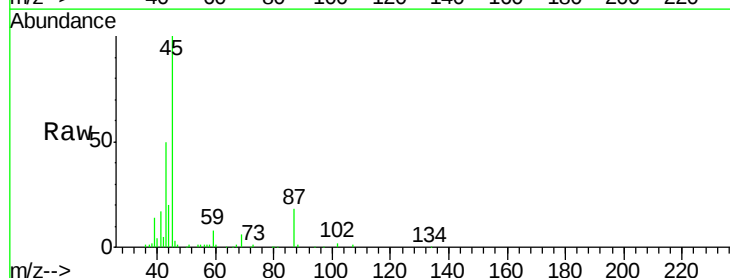
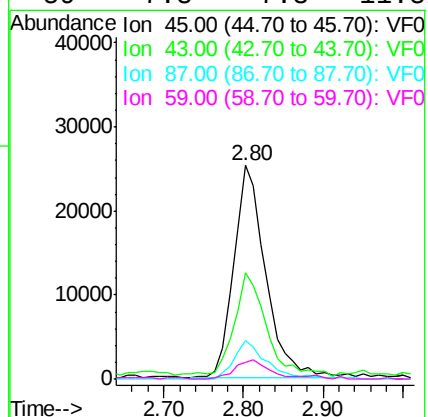
Ion Ratio Lower Upper

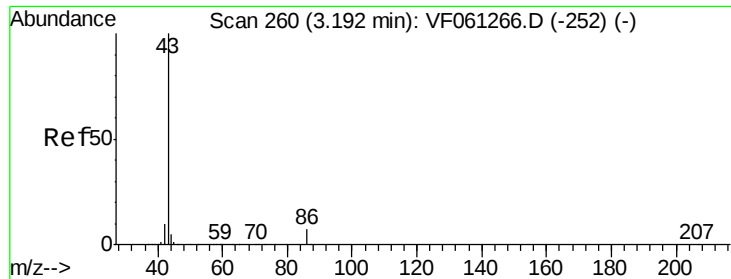
45 100

43 49.5 39.5 59.3

87 18.2 14.8 22.2

59 7.8 7.8 11.8#





#23

Vinyl Acetate

Concen: 62.666 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 183366

Ion Ratio Lower Upper

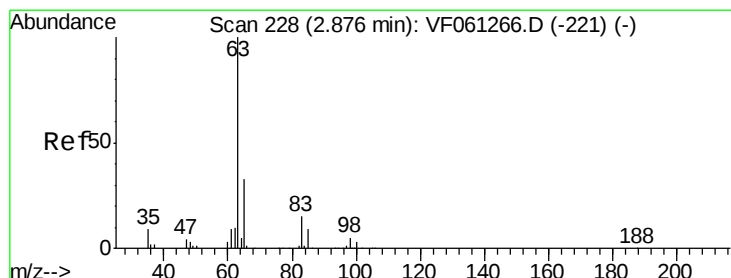
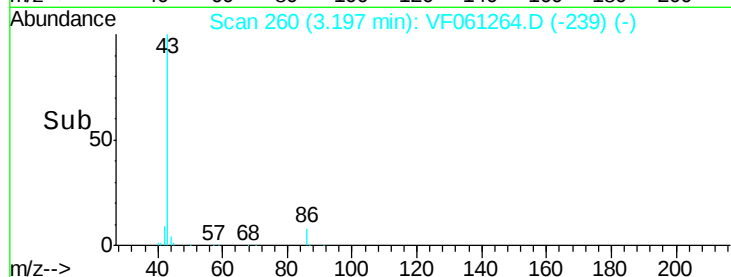
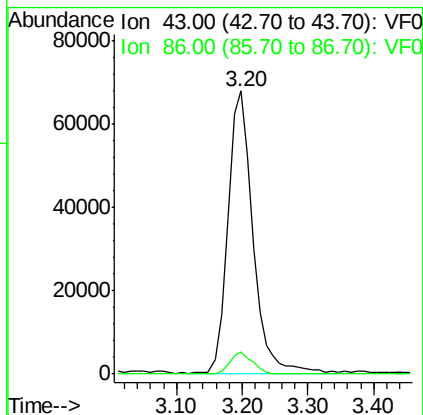
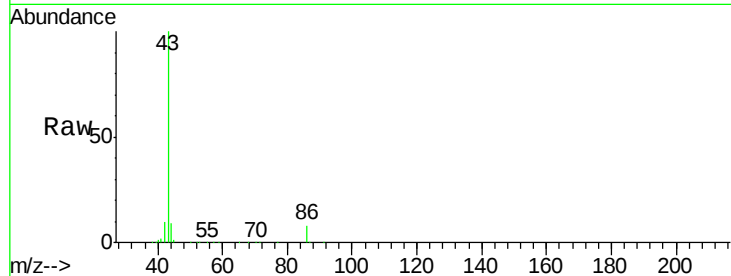
43 100

86 8.1 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 11.130 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

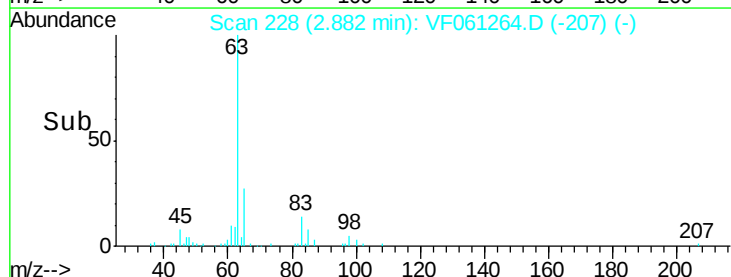
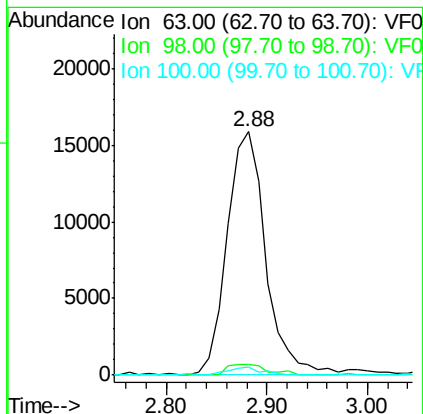
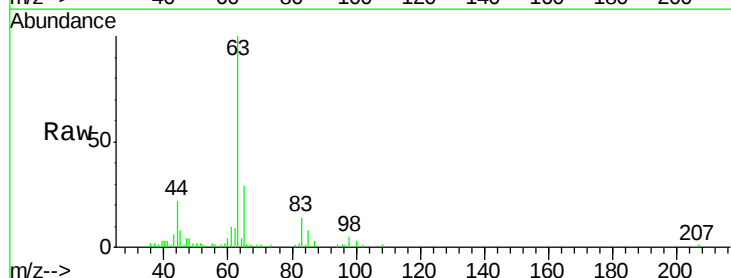
Tgt Ion: 63 Resp: 42426

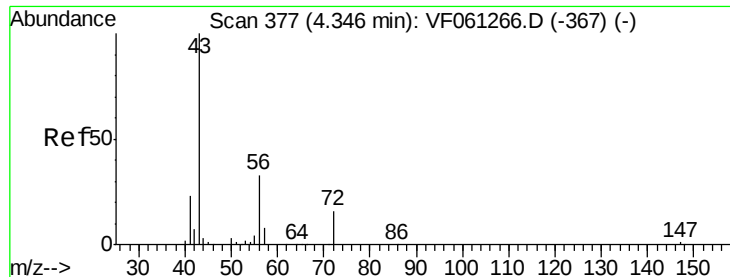
Ion Ratio Lower Upper

63 100

98 4.6 2.5 7.5

100 3.4 1.6 4.8





#25

2-Butanone

Concen: 70.935 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 61183

Ion Ratio Lower Upper

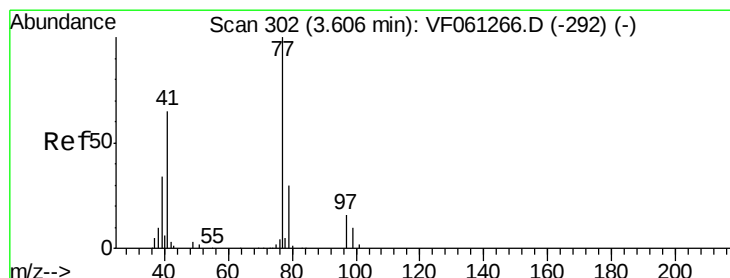
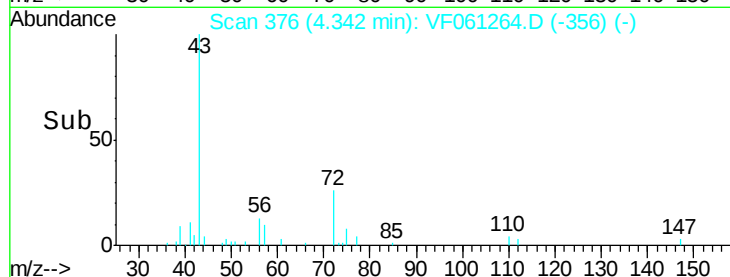
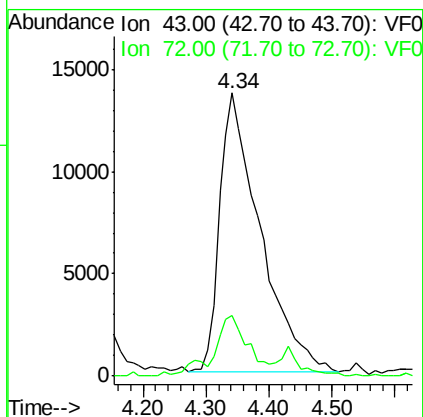
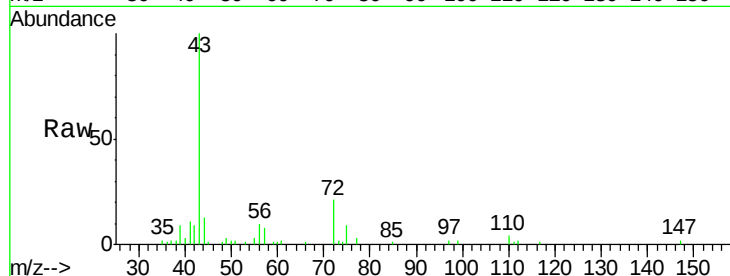
43 100

72 21.4 13.0 19.6#

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#26

2,2-Dichloropropane

Concen: 11.415 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061264.D

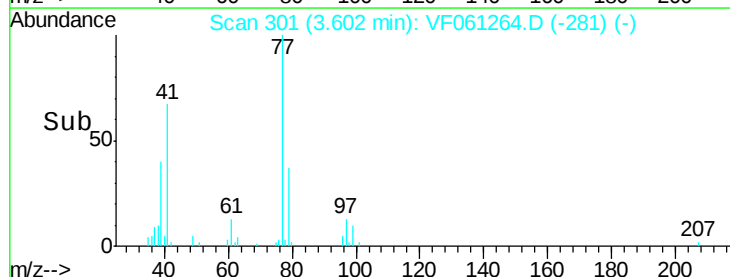
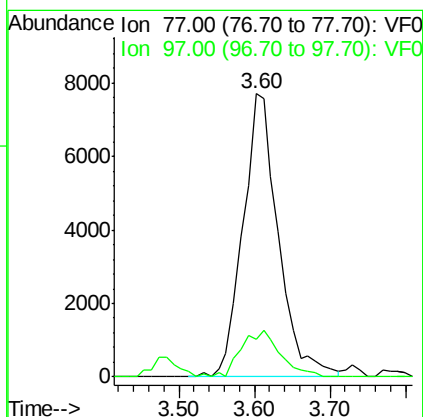
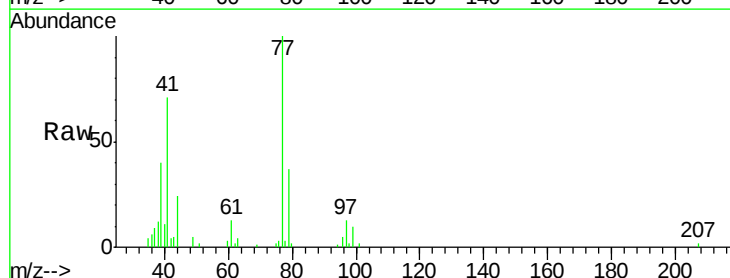
Acq: 3 Jan 2019 14:49

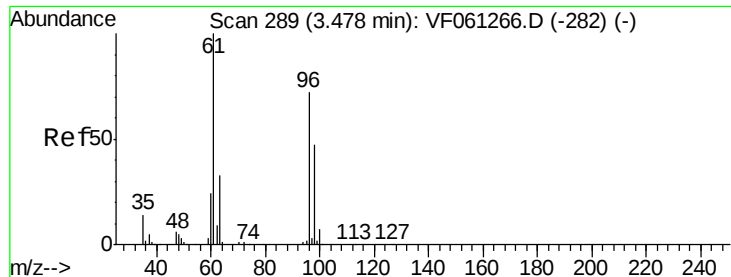
Tgt Ion: 77 Resp: 25138

Ion Ratio Lower Upper

77 100

97 13.1 8.9 26.7





#27

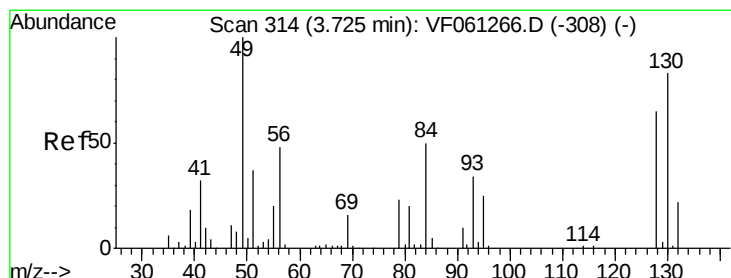
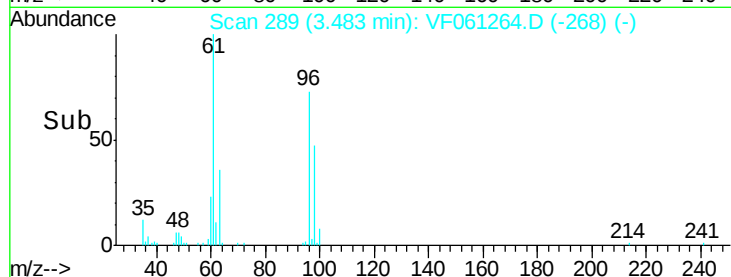
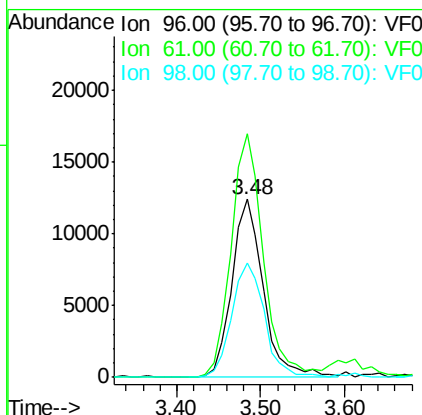
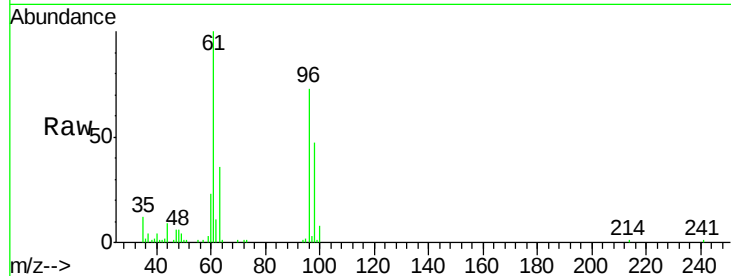
cis-1,2-Dichloroethene
Concen: 10.703 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	277.8
98	64.6	0.0	130.8

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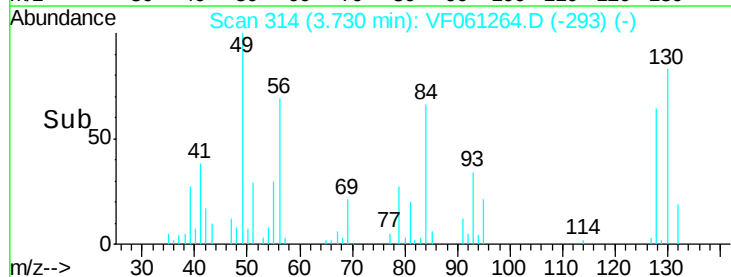
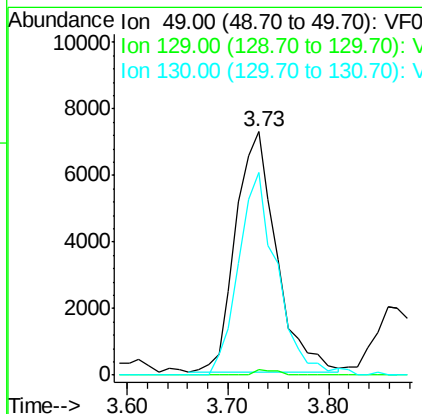
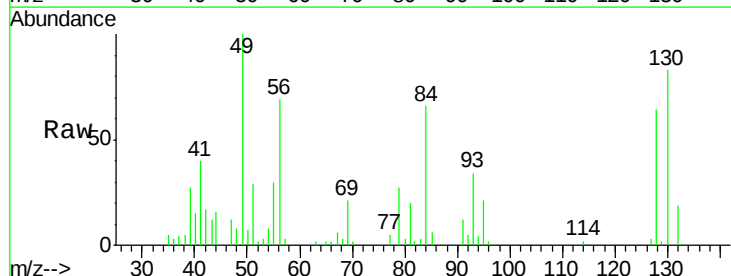
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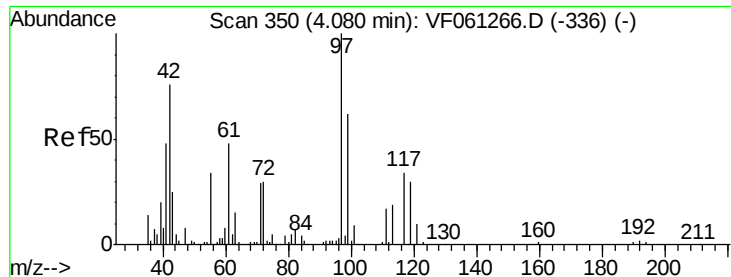


#28

Bromochloromethane
Concen: 10.714 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.4
130	83.1	65.7	98.5





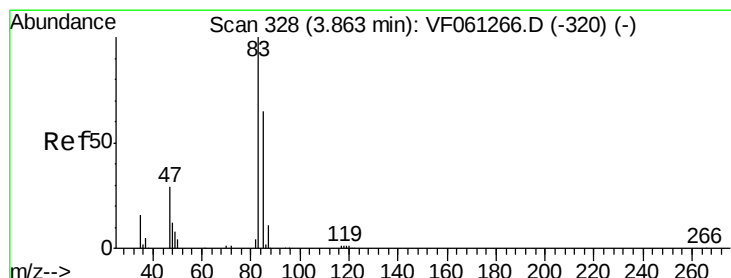
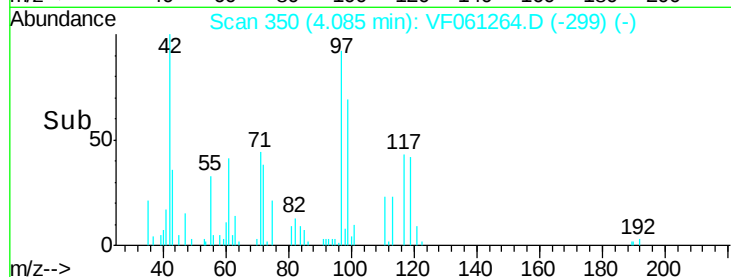
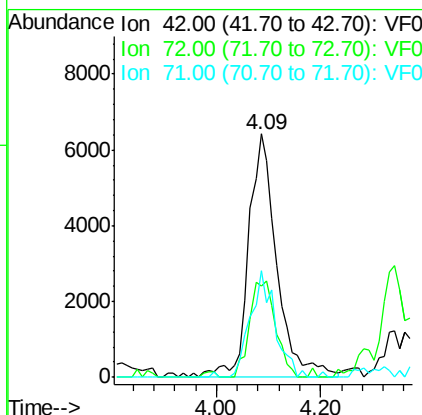
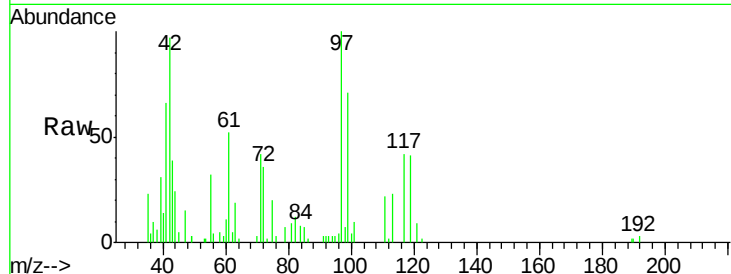
#29
Tetrahydrofuran
Concen: 66.960 ug/l
RT: 4.09 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.2	43.8
71	38.2	29.1	43.7

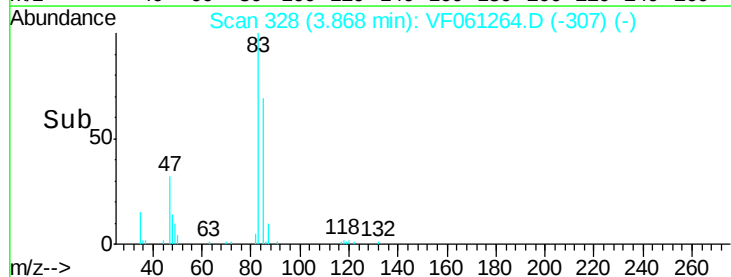
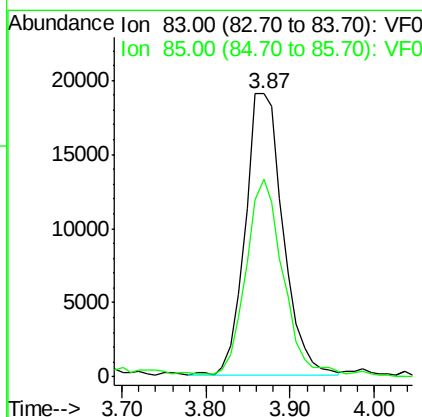
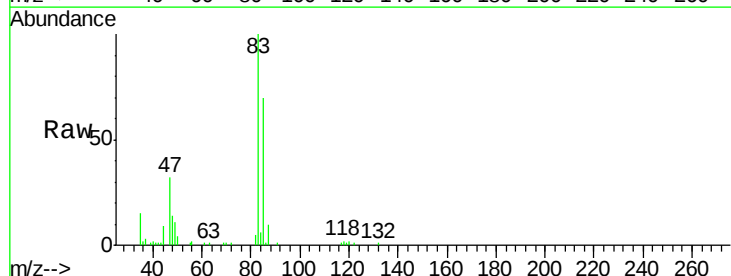
Manual Integrations
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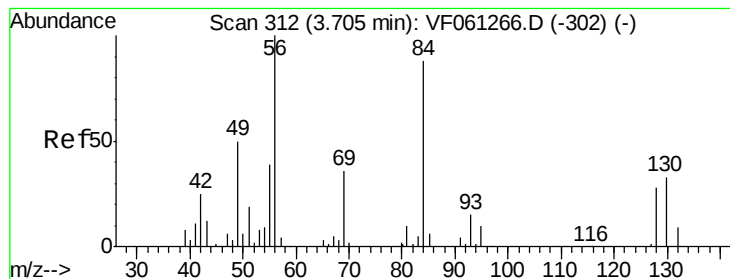
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#30
Chloroform
Concen: 10.586 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	52.2	78.4





#31

Cyclohexane

Concen: 11.682 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

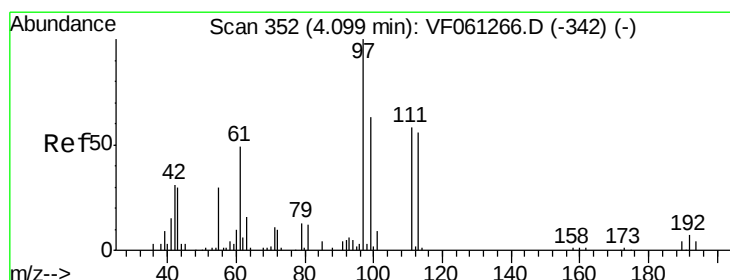
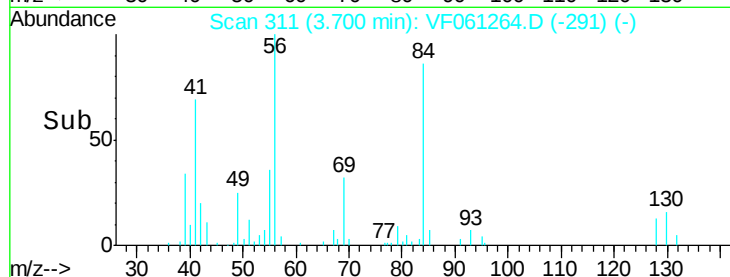
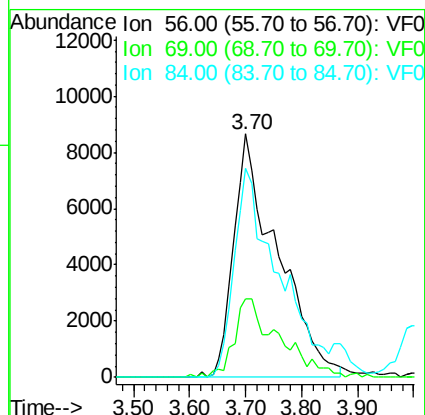
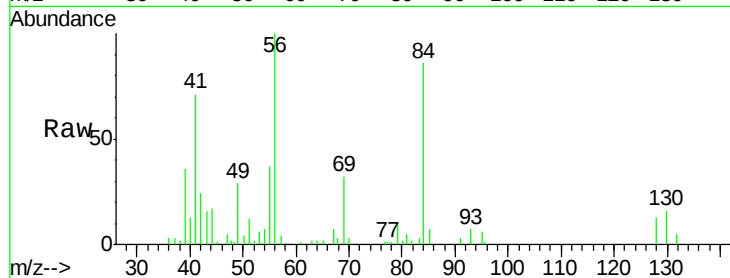
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	46646
Ion	Ratio	Lower	Upper
56	100		
69	32.1	28.7	43.1
84	85.9	70.6	106.0

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#32

1,1,1-Trichloroethane

Concen: 12.365 ug/l

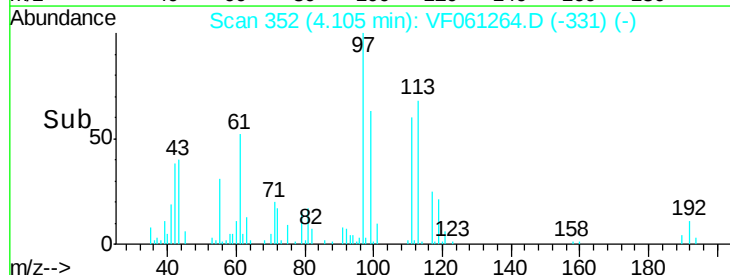
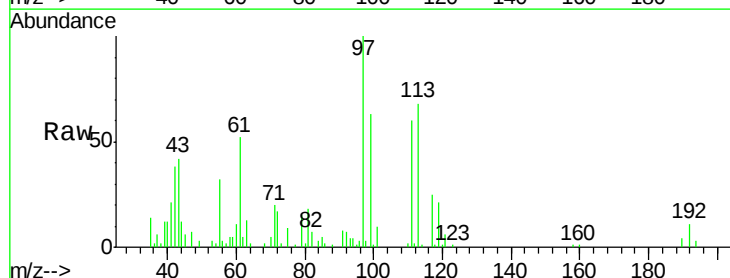
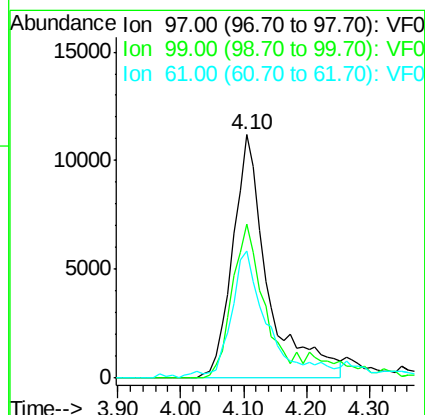
RT: 4.10 min Scan# 352

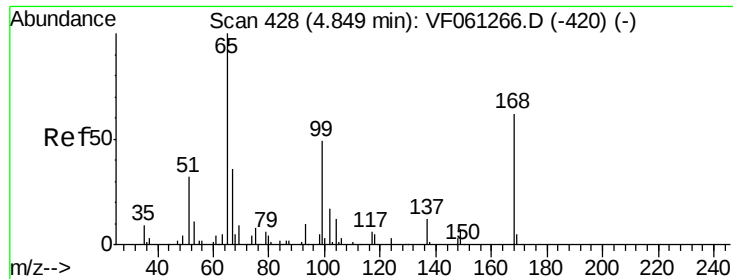
Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	97	Resp:	43529
Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	76.0
61	52.4	39.6	59.4





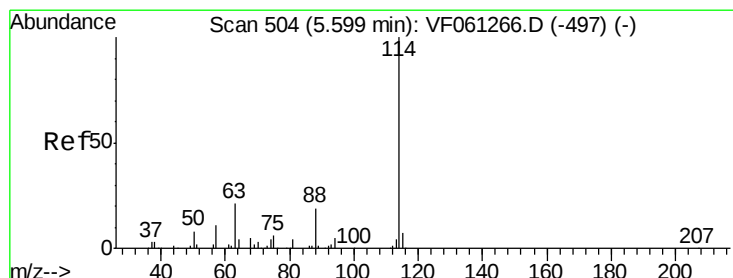
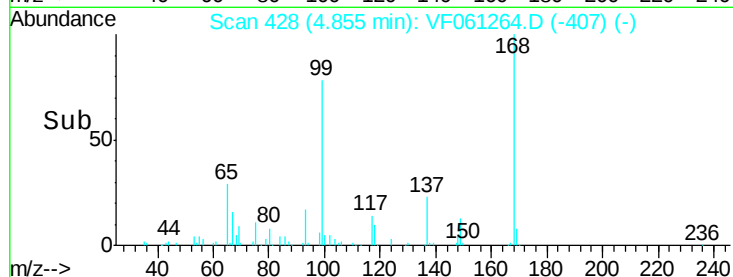
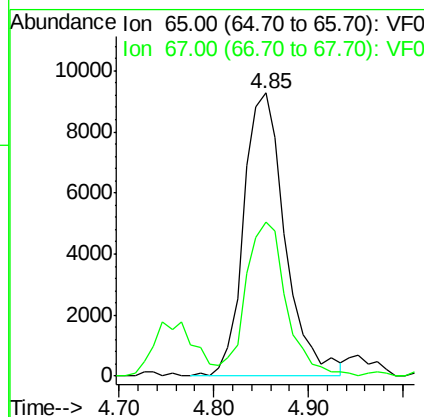
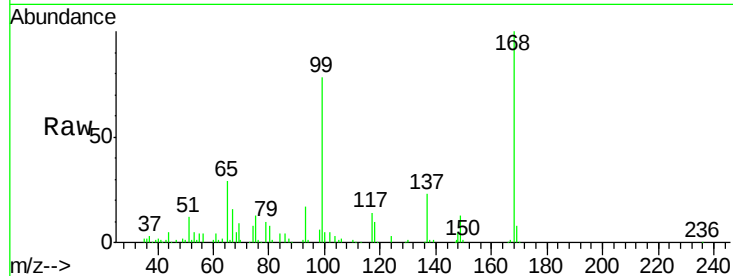
#33
 1,2-Dichloroethane-d4
 Concen: 10.610 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	90.4

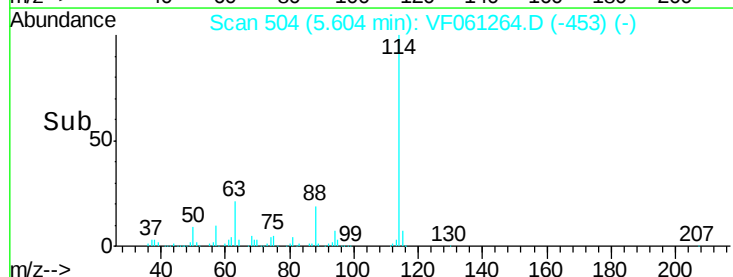
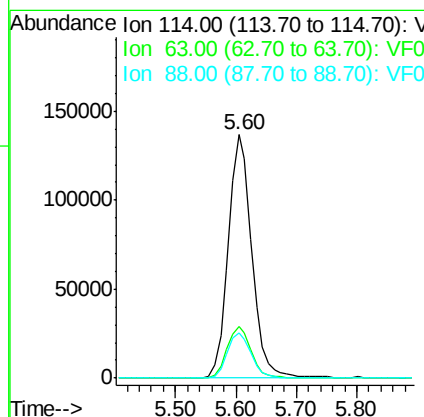
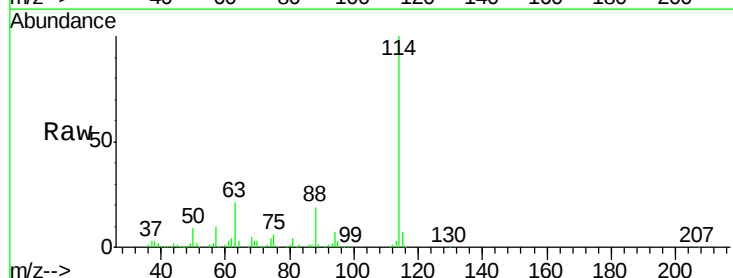
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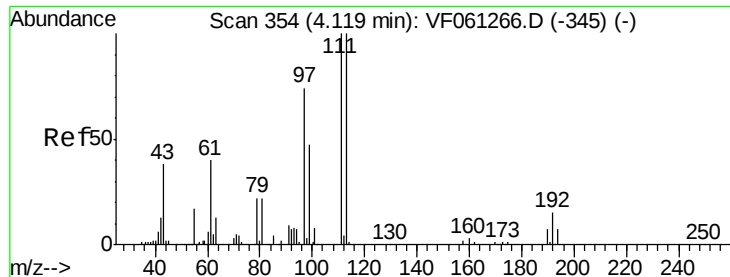
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	18.5	0.0	38.4





#35

Dibromofluoromethane

Concen: 10.290 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

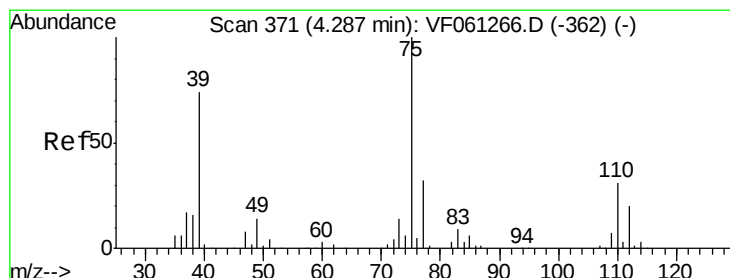
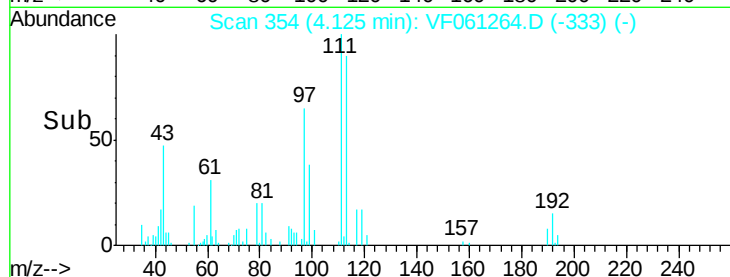
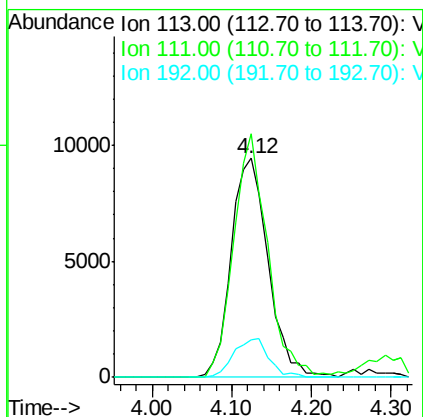
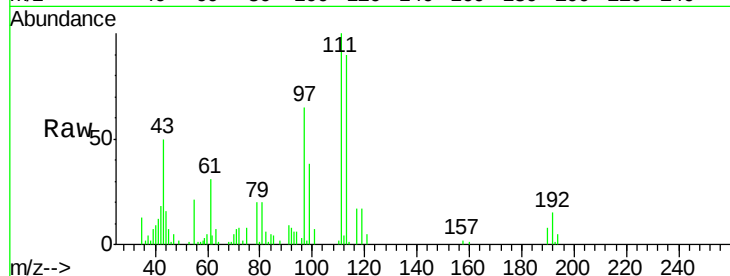
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	30445
Ion	Ratio	Lower	Upper
113	100		
111	111.3	79.8	119.6
192	17.0	11.9	17.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 9.776 ug/l

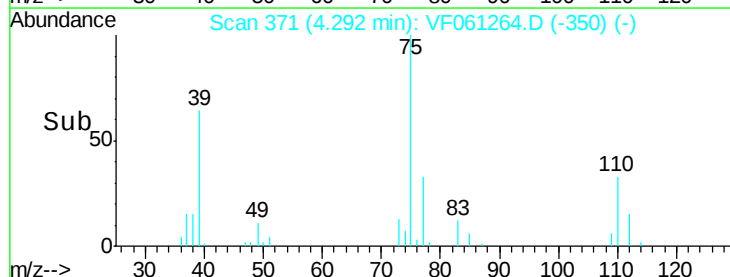
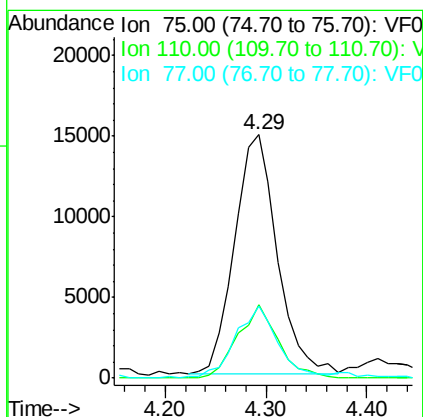
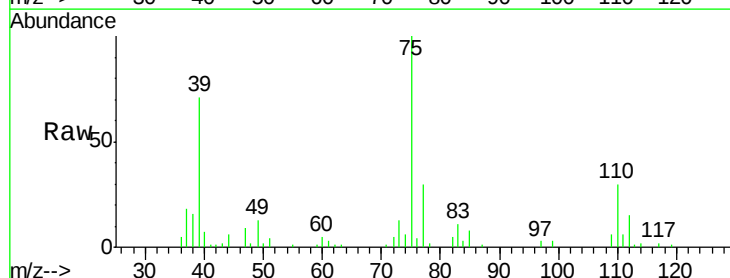
RT: 4.29 min Scan# 371

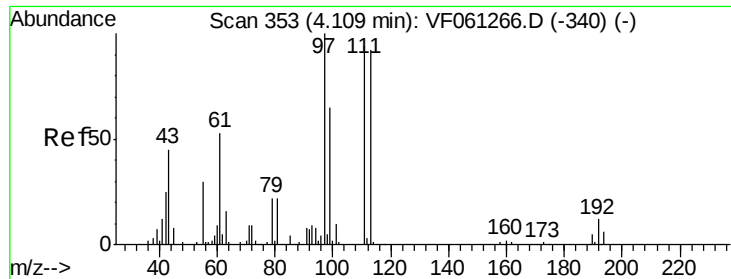
Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	75	Resp:	43783
Ion	Ratio	Lower	Upper
75	100		
110	29.9	15.4	46.4
77	29.6	25.6	38.4





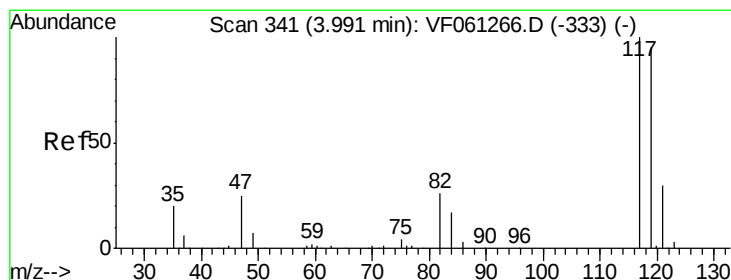
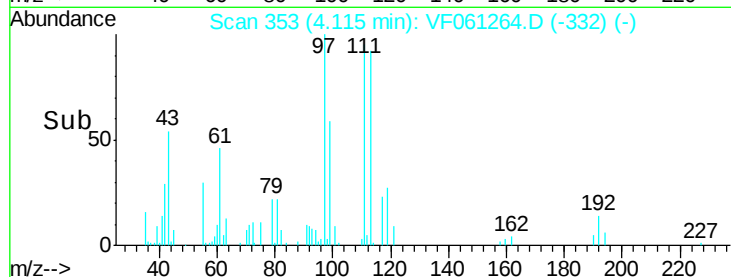
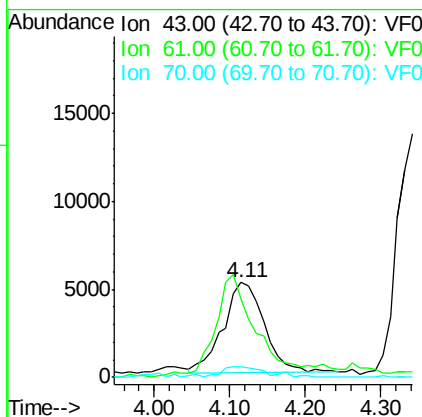
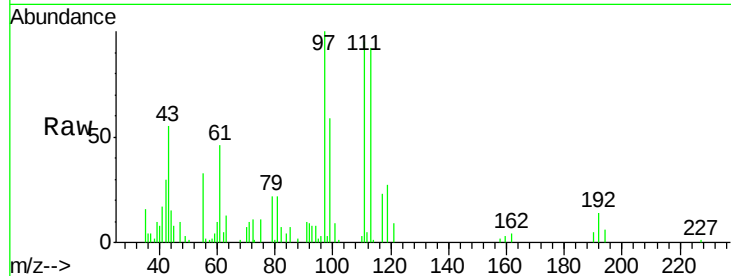
#37
Ethyl Acetate
Concen: 10.828 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	61	70
Resp:	19580		
Ratio	100	82.4	11.9
Lower		91.2	7.1
Upper		136.8#	10.7#

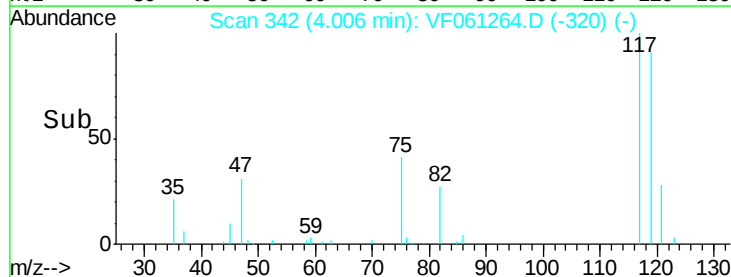
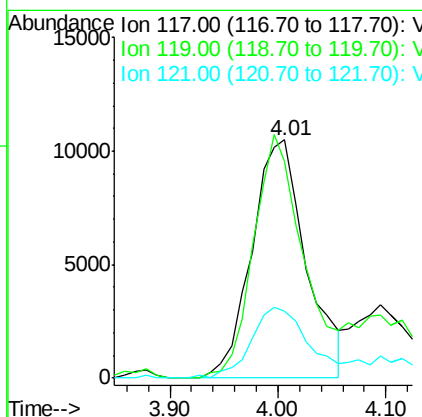
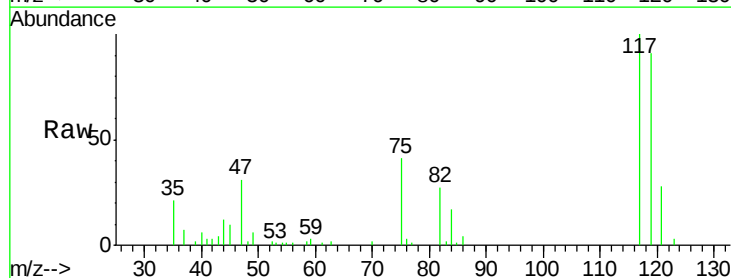
Manual Integrations
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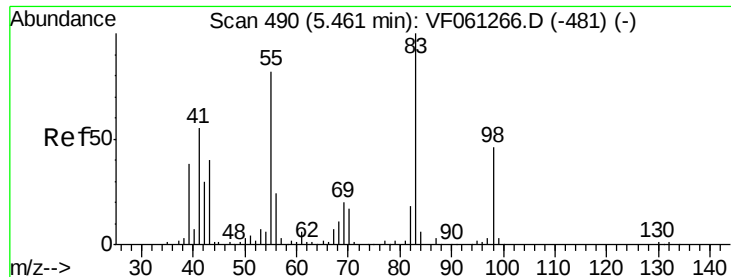
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#38
Carbon Tetrachloride
Concen: 10.619 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	117	119	121
Resp:	36682		
Ratio	100	90.8	28.0
Lower		76.0	23.8
Upper		114.0	35.8





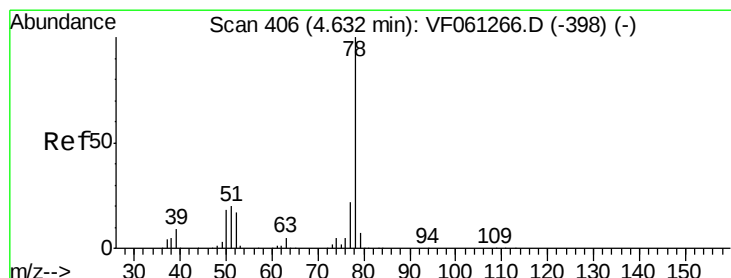
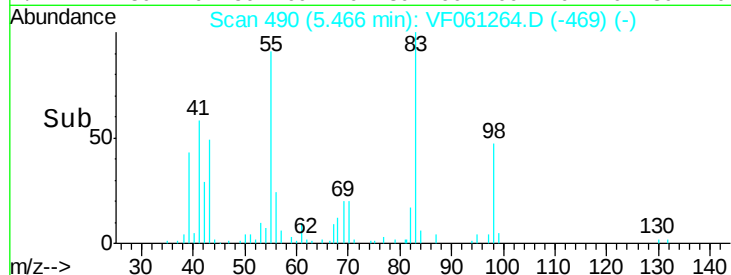
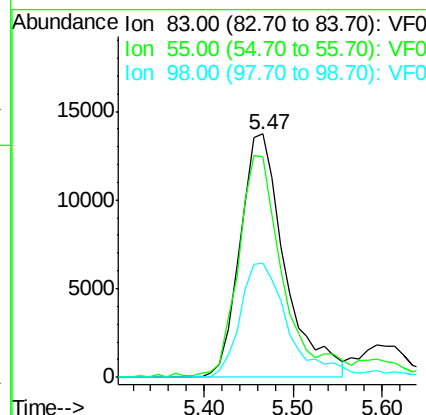
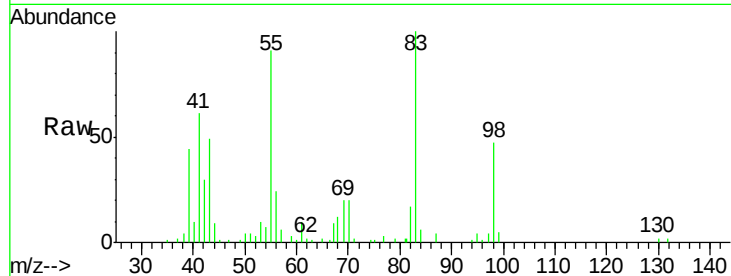
#39
Methvlcvclohexane
Concen: 11.662 ug/l
RT: 5.47 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	83.00	Resp:	47987
Ion	Ratio	Lower	Upper
83	100		
55	90.7	65.6	98.4
98	47.2	36.7	55.1

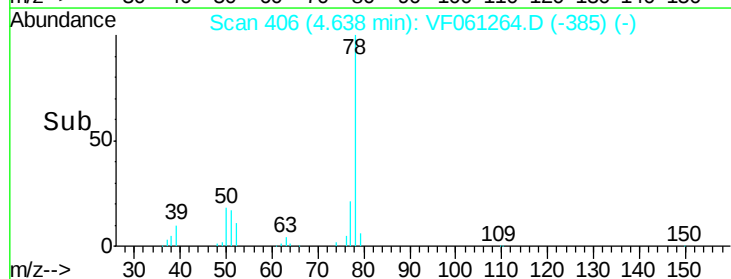
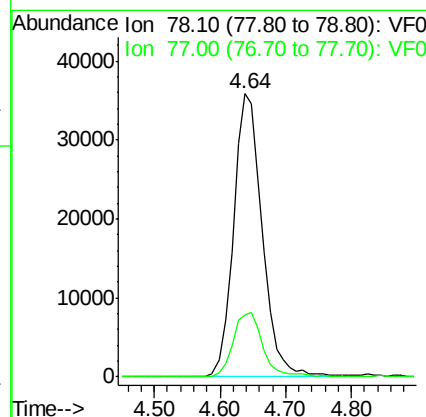
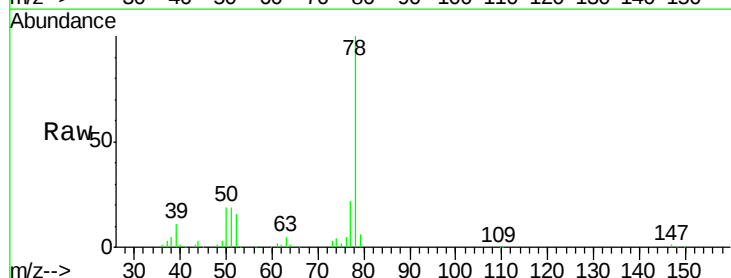
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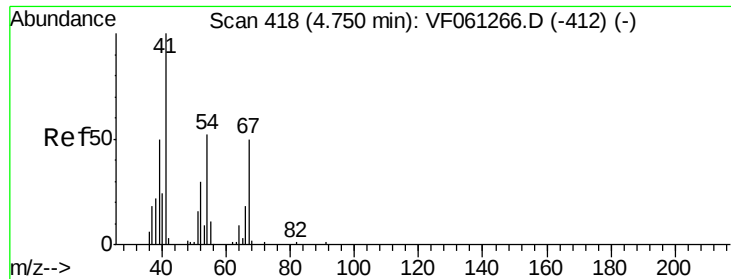
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#40
Benzene
Concen: 11.308 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	78	Resp:	109654
Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.0	27.0





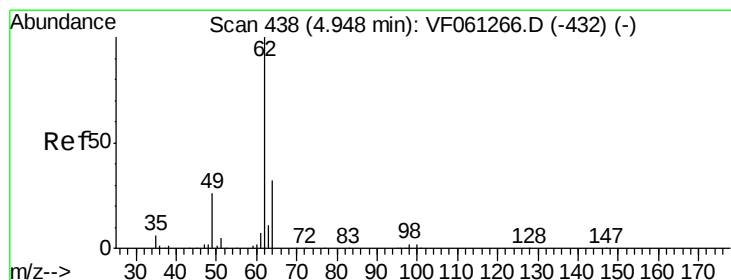
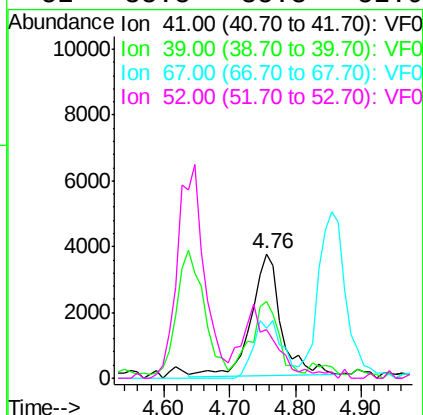
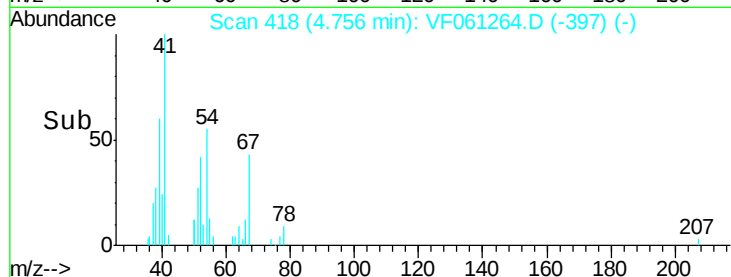
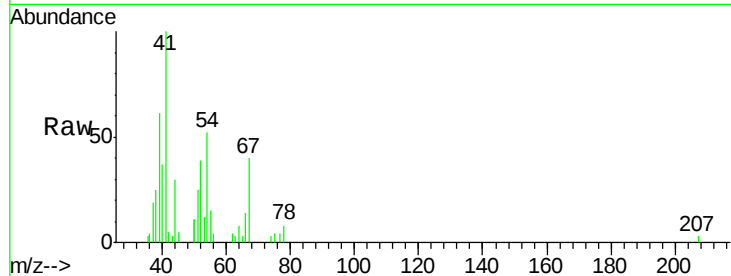
#41
Methacrylonitrile
Concen: 12.785 ug/l
RT: 4.76 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion:	41	Resp:	11848
Ion Ratio	Lower	Upper	
41	100		
39	61.2	44.6	66.8
67	39.8	39.3	58.9
52	38.8	35.3	52.9

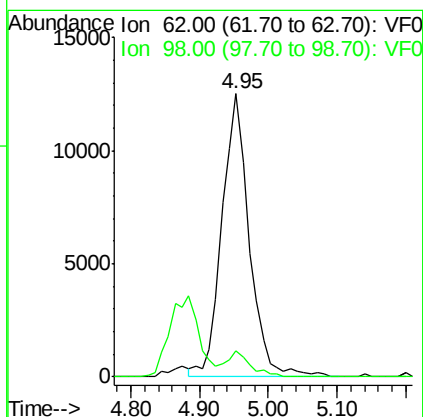
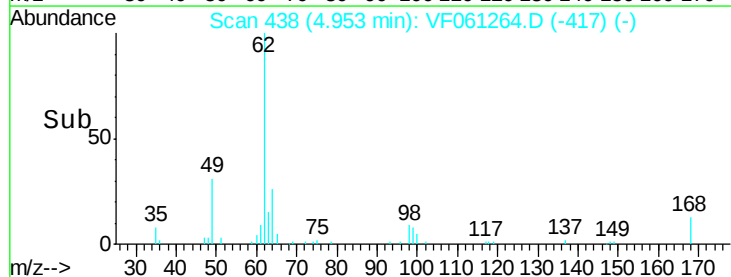
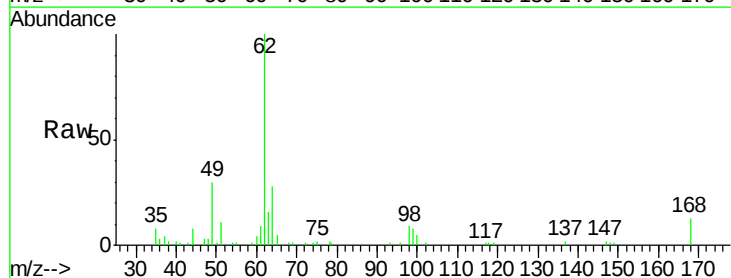
Manual Integrations
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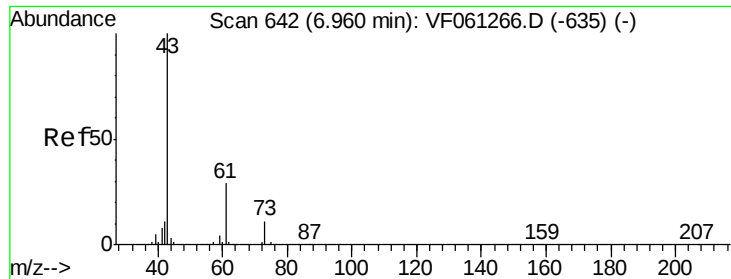
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#42
1,2-Dichloroethane
Concen: 9.656 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion:	62	Resp:	34411
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	13.4





#43

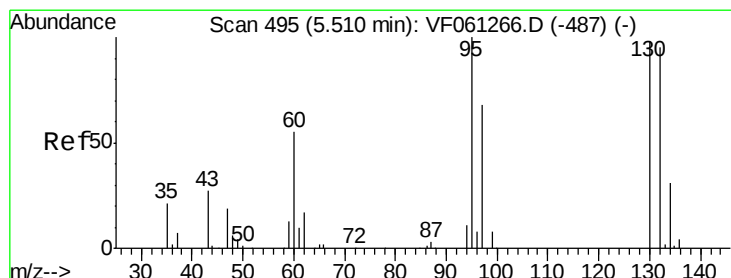
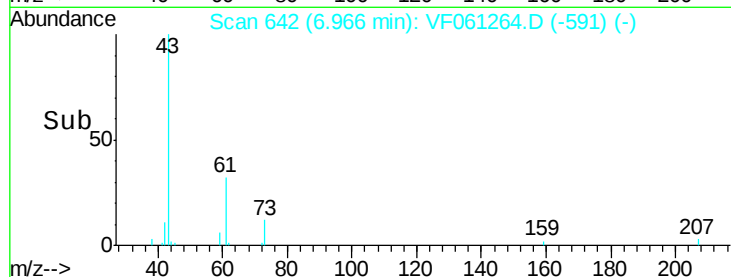
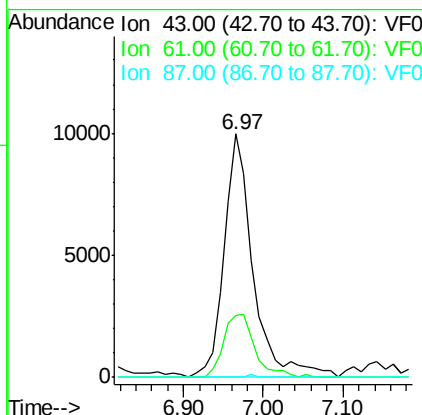
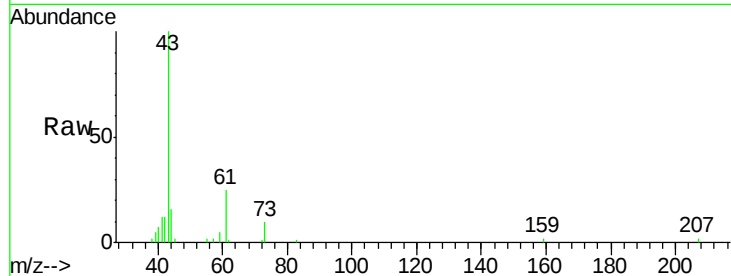
Isopropyl Acetate
 Concen: 11.765 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	23.4	35.2
87	0.0	0.3	0.5#

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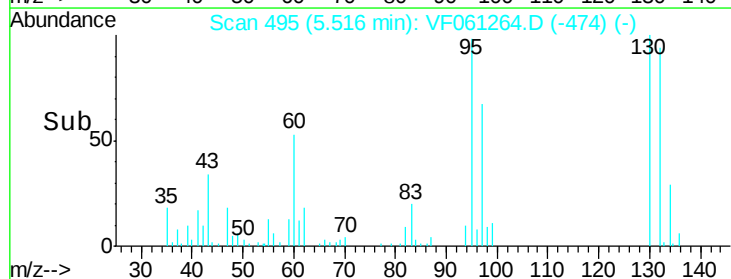
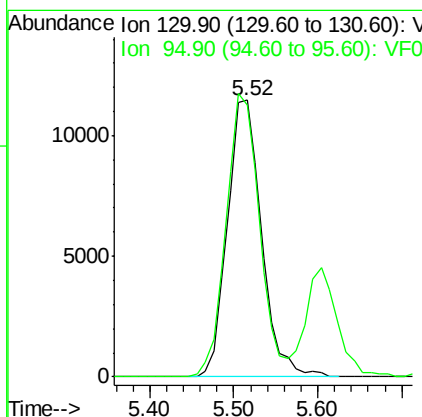
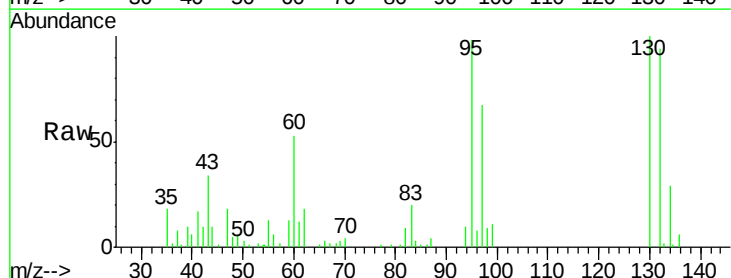
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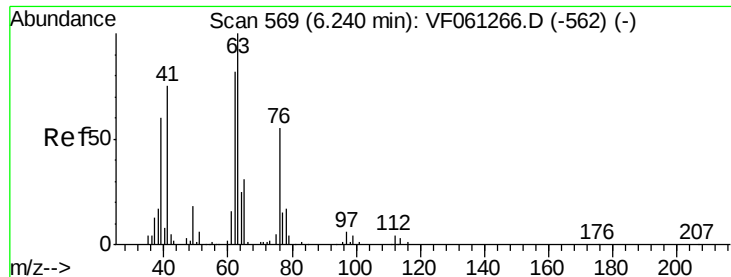


#44

Trichloroethene
 Concen: 10.755 ug/l
 RT: 5.52 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	204.0





#45

1,2-Dichloropropane

Concen: 9.777 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 25640

Ion Ratio Lower Upper

63 100

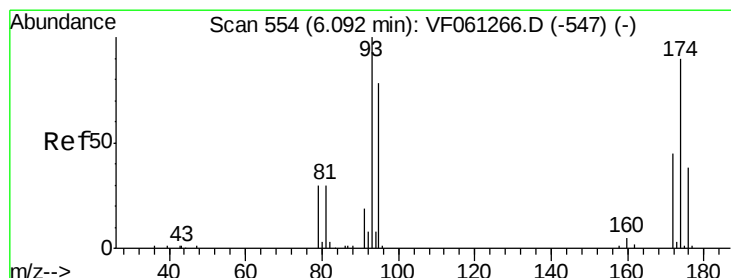
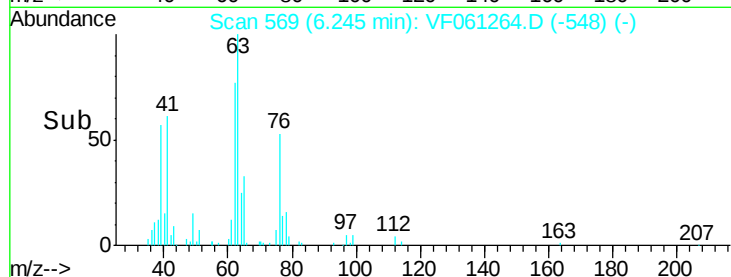
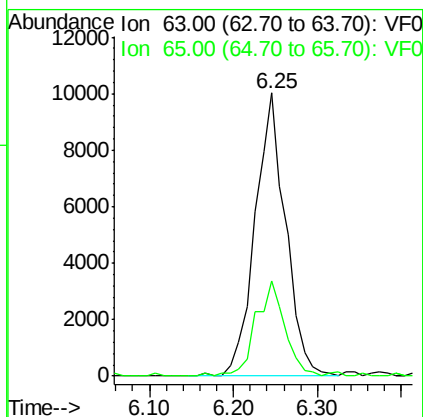
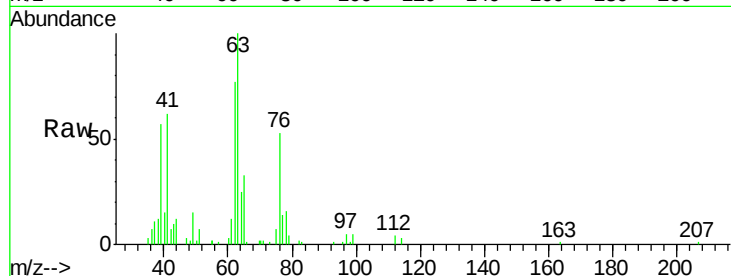
65 33.5 24.4 36.6

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#46

Dibromomethane

Concen: 10.107 ug/l

RT: 6.10 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

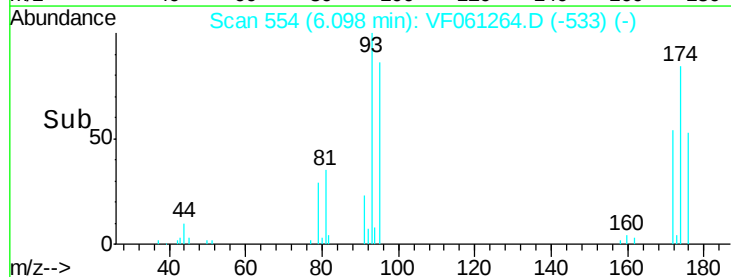
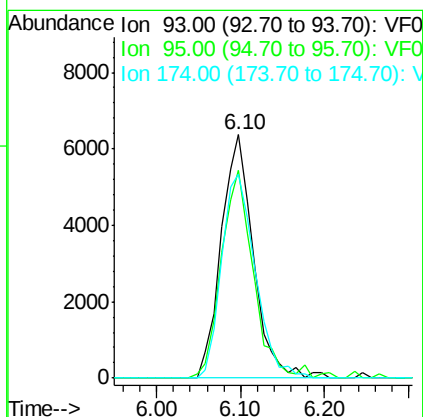
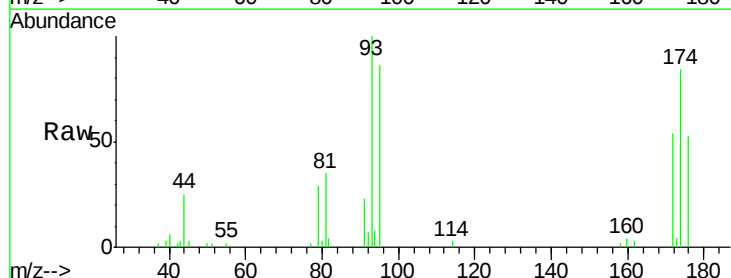
Tgt Ion: 93 Resp: 16930

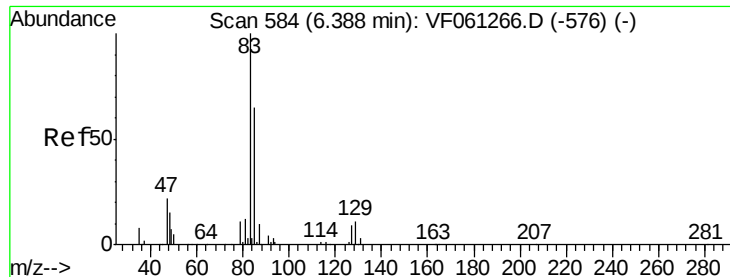
Ion Ratio Lower Upper

93 100

95 85.6 62.4 93.6

174 83.9 71.9 107.9





#47

Bromodichloromethane

Concen: 10.059 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

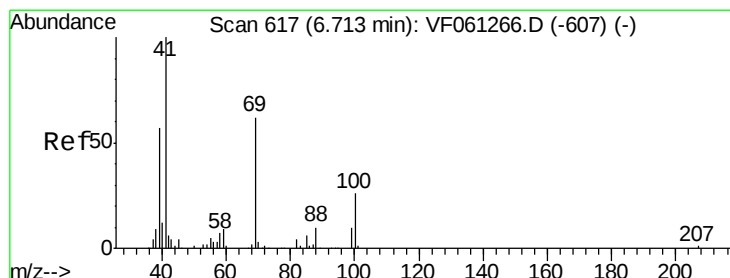
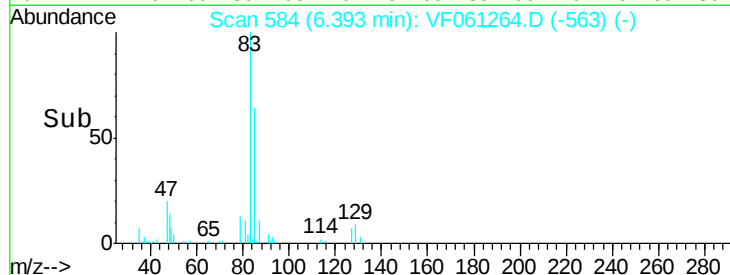
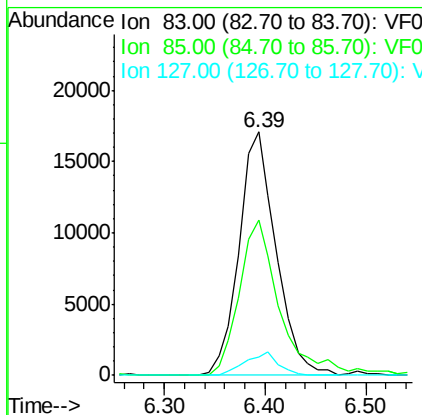
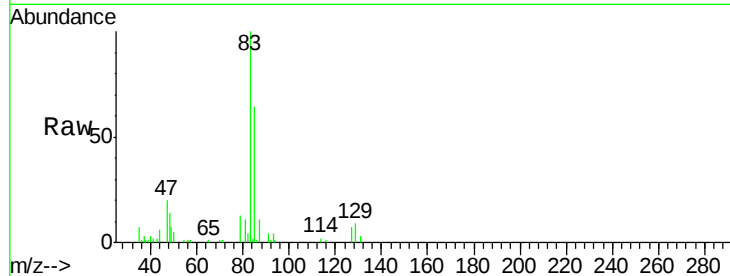
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	43615
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1
127	7.4	7.1	10.7

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#48

Methyl methacrylate

Concen: 10.437 ug/l

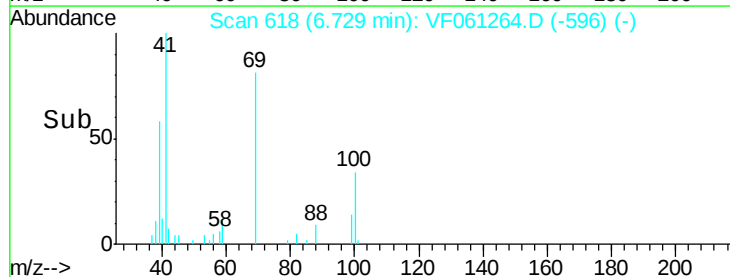
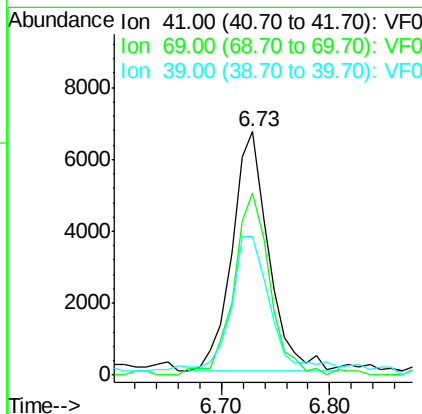
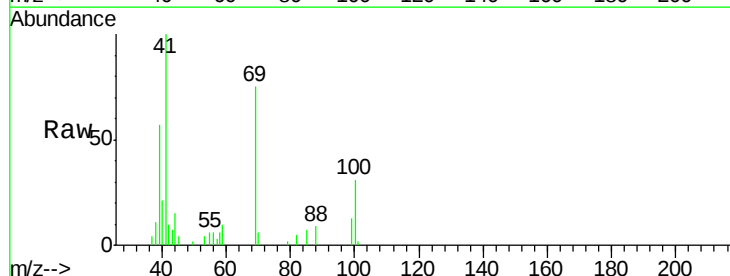
RT: 6.73 min Scan# 618

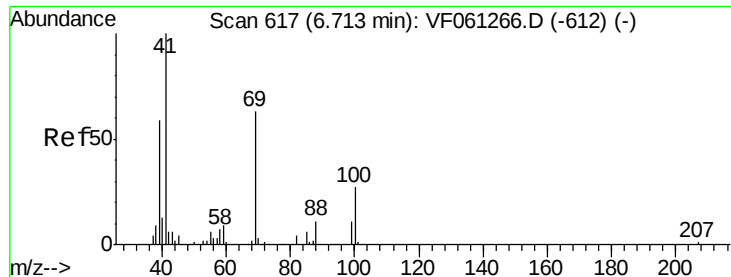
Delta R.T. 0.02 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	41	Resp:	15723
Ion	Ratio	Lower	Upper
41	100		
69	74.8	49.8	74.8
39	56.7	46.4	69.6





#49

1,4-Dioxane

Concen: 197.125 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

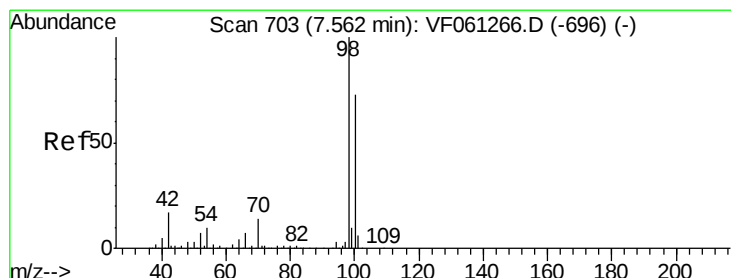
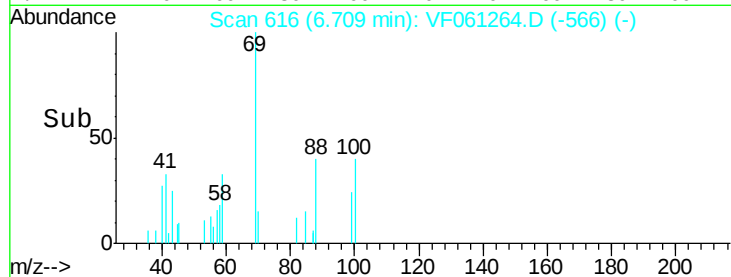
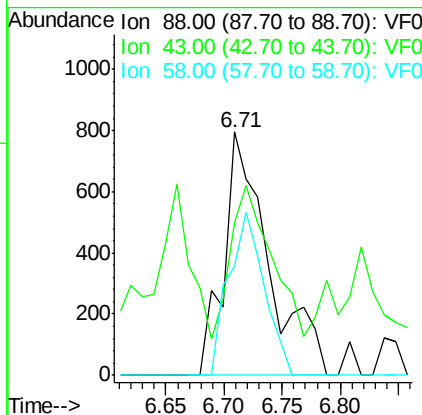
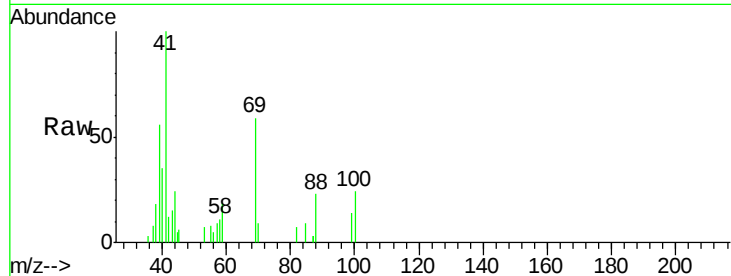
ClientSampled :

VSTDIC010

Tot Ion:	88	Resp:	2117
Ion	Ratio	Lower	Upper
88	100		
43	62.8	55.2	82.8
58	45.0	50.9	76.3#

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#50

Toluene-d8

Concen: 10.792 ug/l

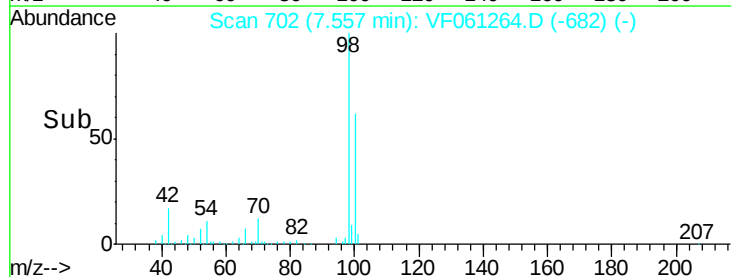
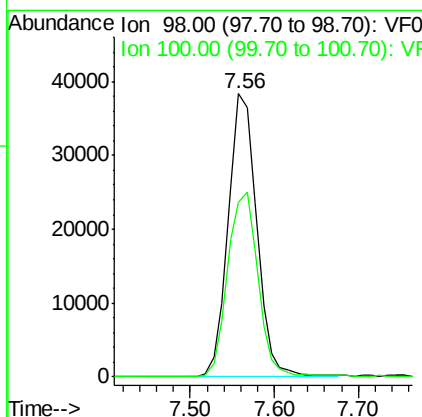
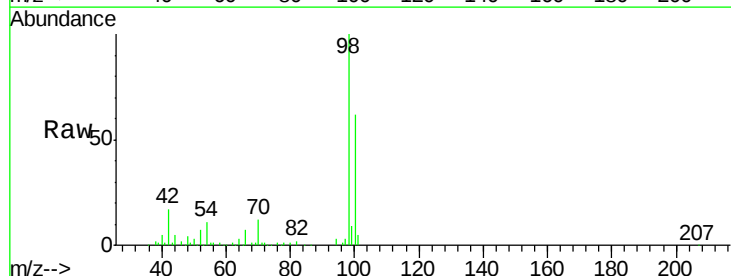
RT: 7.56 min Scan# 702

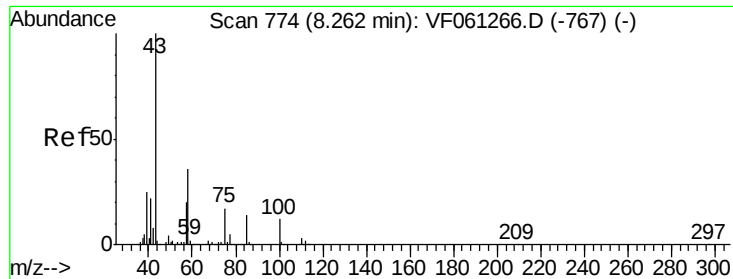
Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	98	Resp:	91010
Ion	Ratio	Lower	Upper
98	100		
100	61.5	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 67.590 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 99797

Ion Ratio Lower Upper

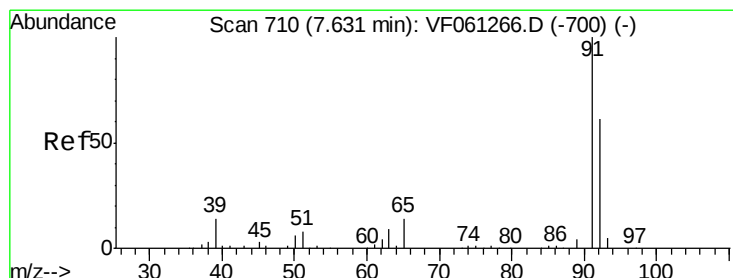
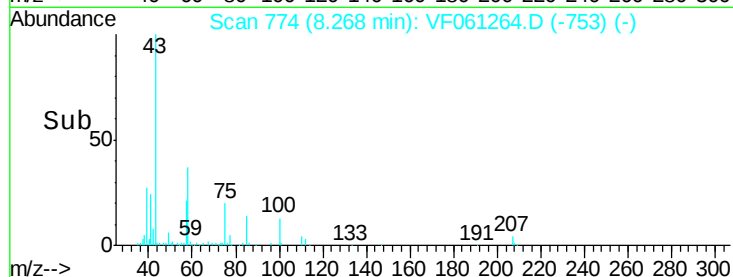
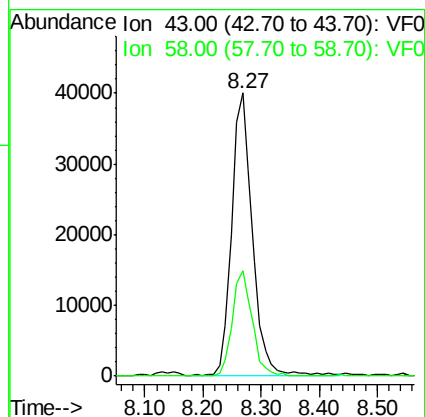
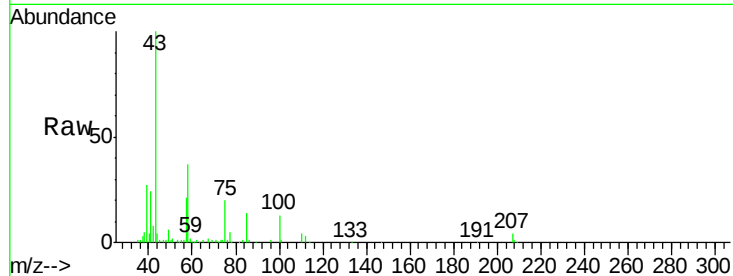
43 100

58 37.2 29.1 43.7

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#52

Toluene

Concen: 10.893 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061264.D

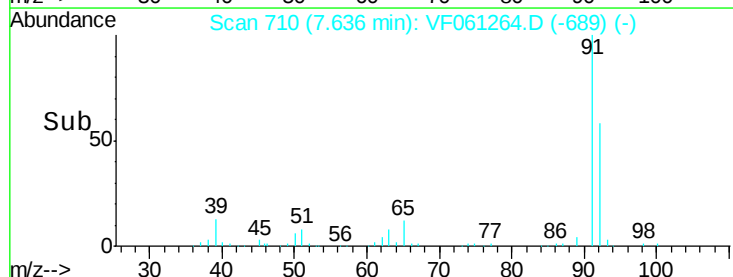
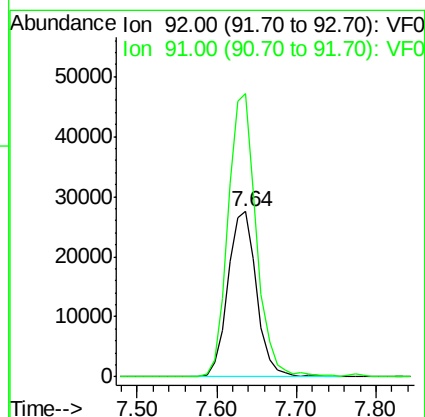
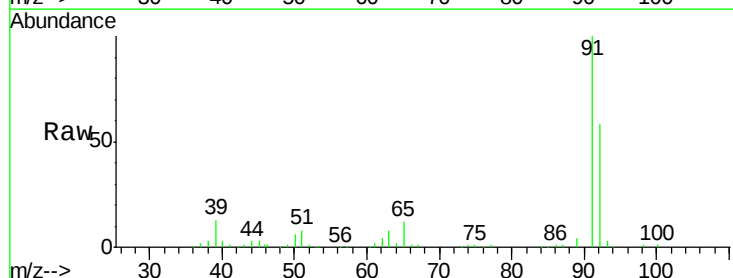
Acq: 3 Jan 2019 14:49

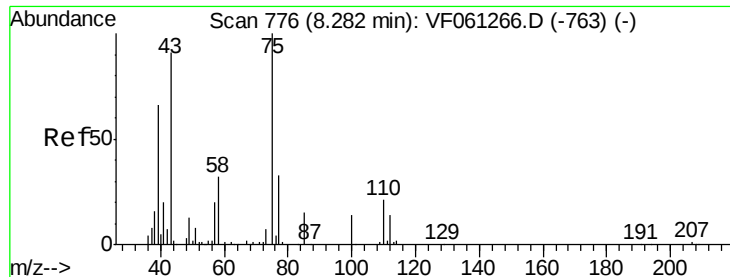
Tgt Ion: 92 Resp: 69818

Ion Ratio Lower Upper

92 100

91 171.5 130.5 195.7





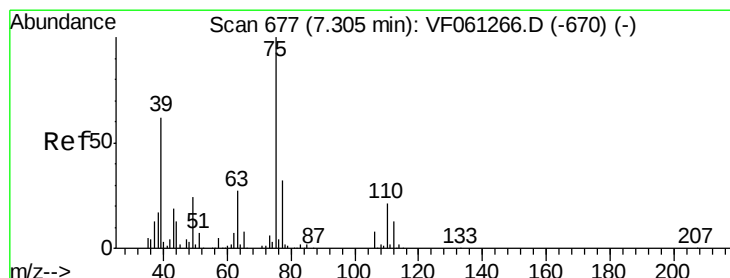
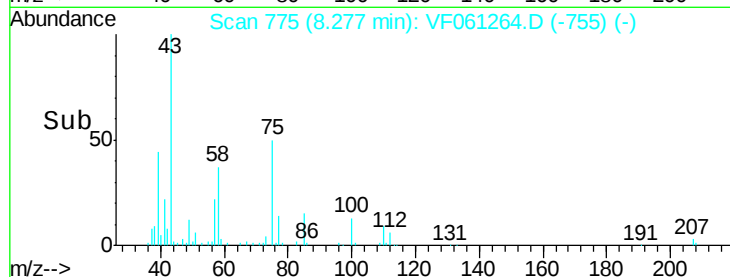
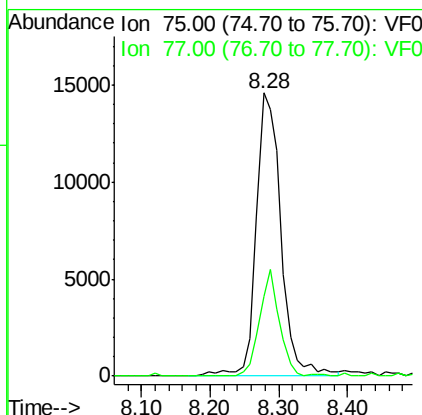
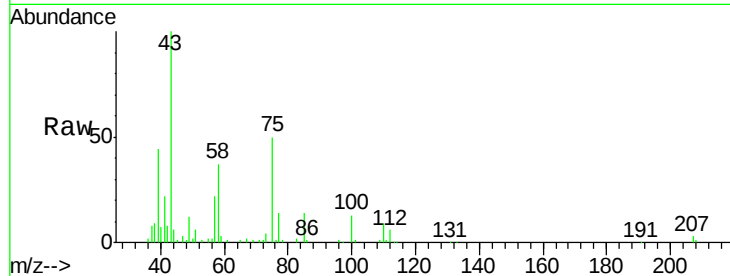
#53
 t-1,3-Dichloropropene
 Concen: 10.356 ug/l
 RT: 8.28 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.2	26.8	40.2

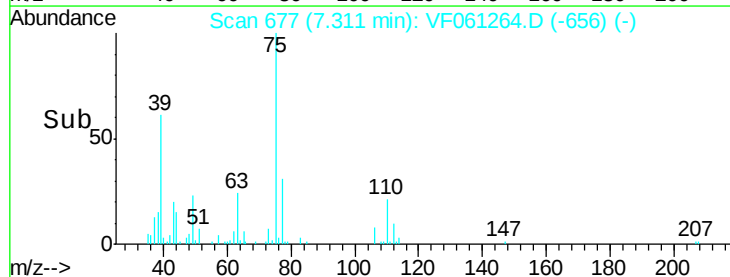
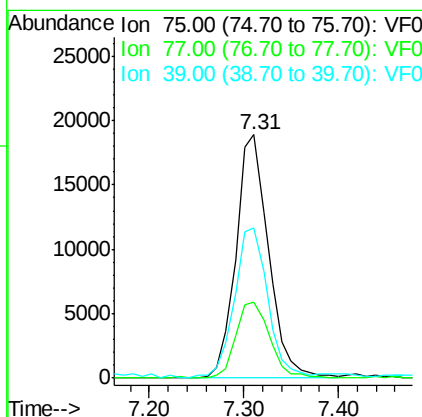
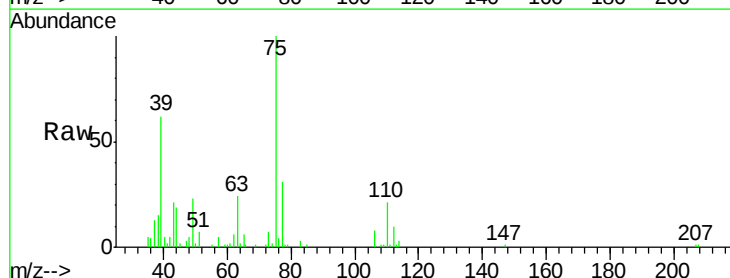
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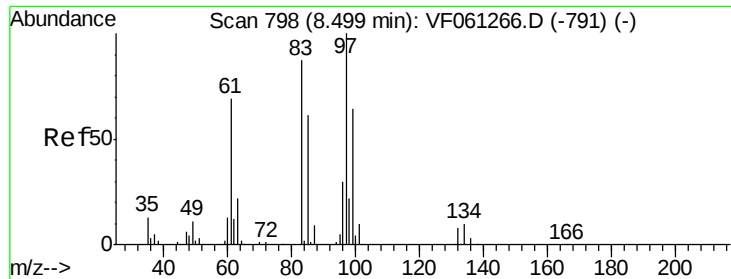
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#54
 cis-1,3-Dichloropropene
 Concen: 10.182 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2
39	61.9	49.5	74.3





#55

1,1,2-Trichloroethane

Concen: 10.106 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

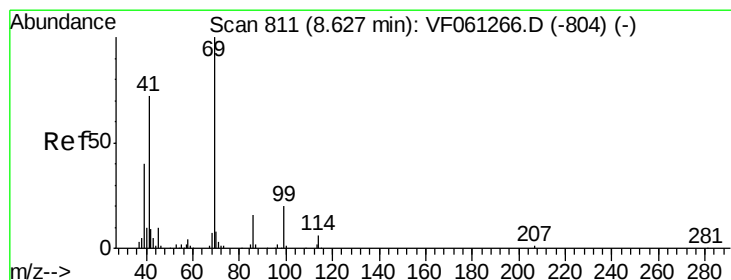
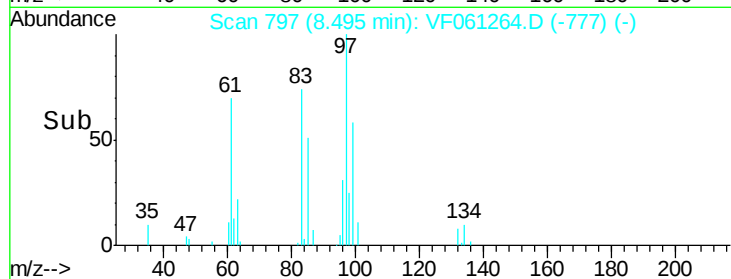
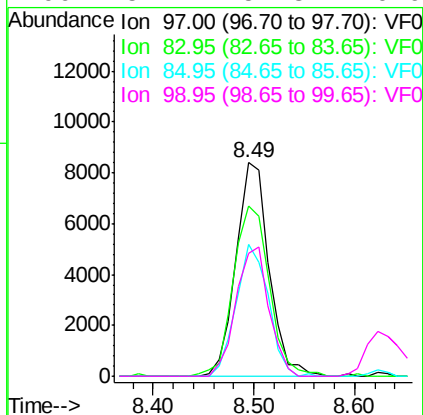
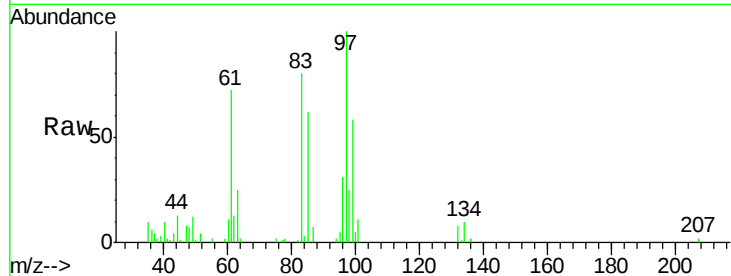
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	19245
Ion	Ratio	Lower	Upper
97	100		
83	80.0	69.7	104.5
85	61.6	49.1	73.7
99	57.7	51.3	76.9

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#56

Ethyl methacrylate

Concen: 10.538 ug/l

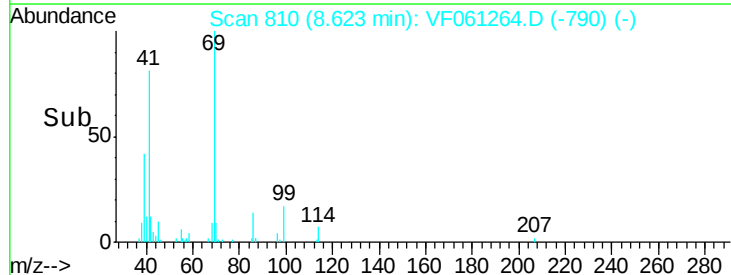
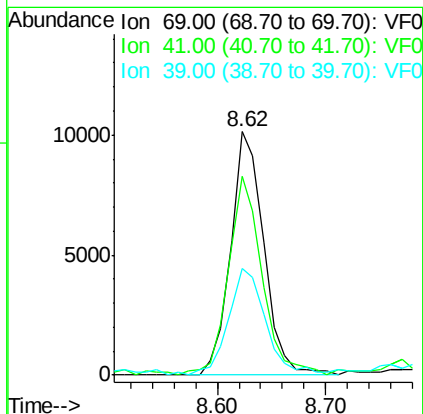
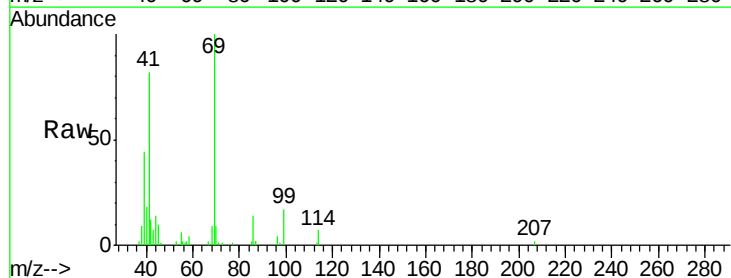
RT: 8.62 min Scan# 810

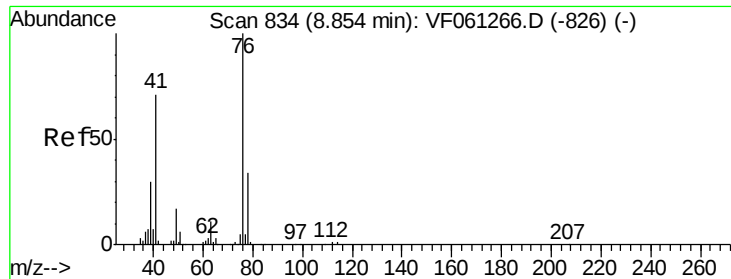
Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	69	Resp:	21673
Ion	Ratio	Lower	Upper
69	100		
41	81.8	58.1	87.1
39	43.8	32.6	49.0





#57

1,3-Dichloropropane

Concen: 11.062 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 38192

Ion Ratio Lower Upper

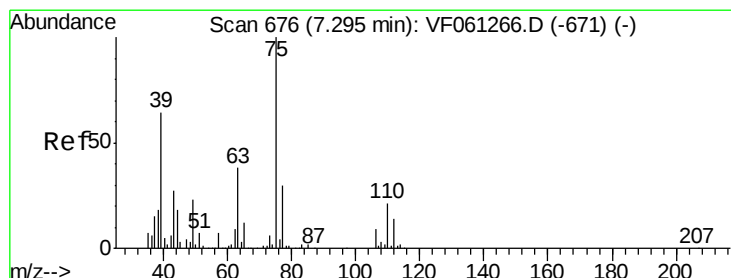
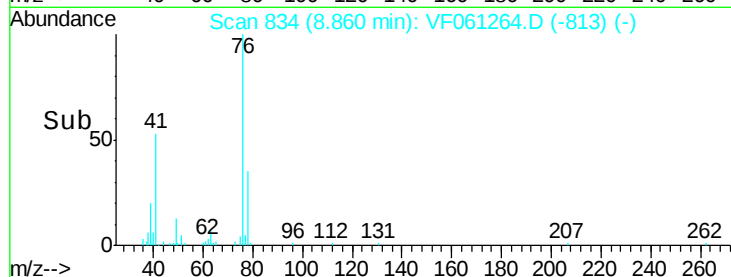
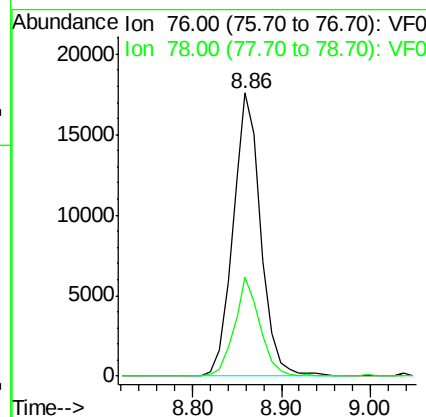
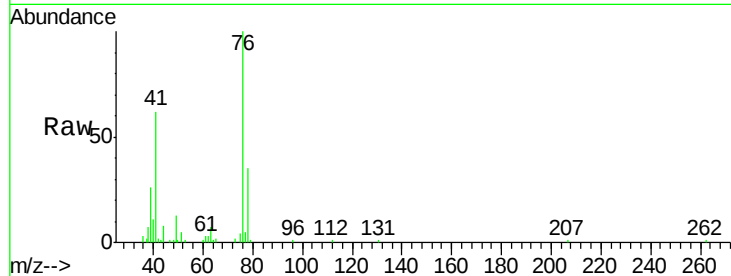
76 100

78 34.8 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 32.611 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061264.D

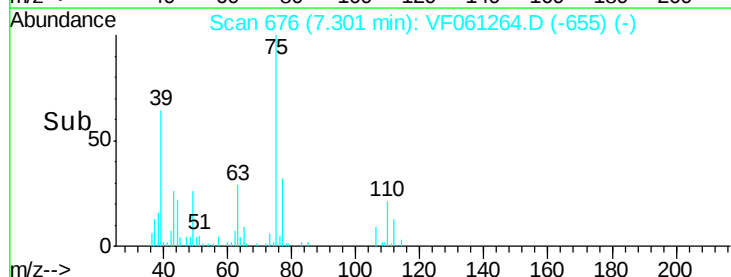
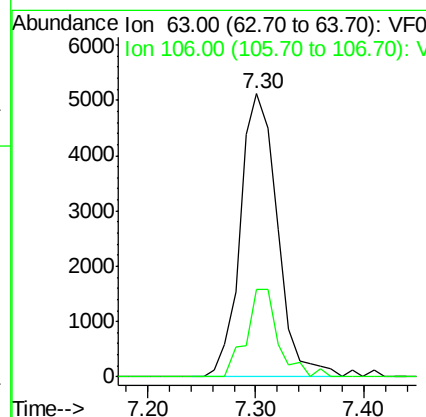
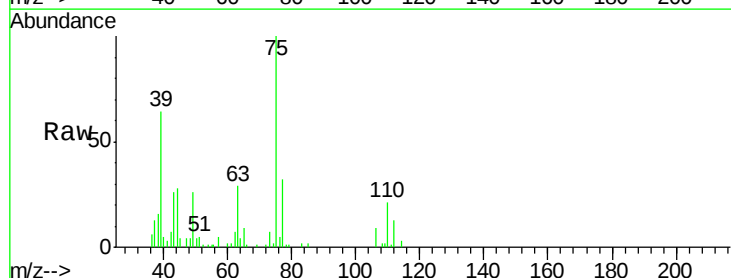
Acq: 3 Jan 2019 14:49

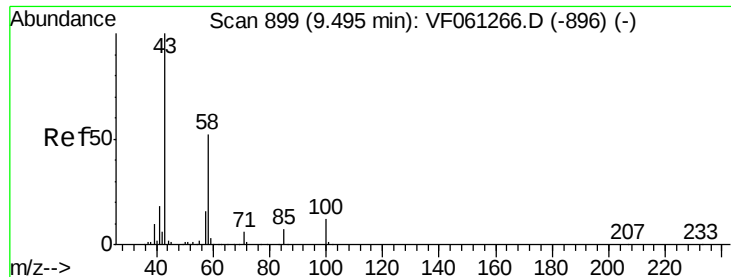
Tgt Ion: 63 Resp: 12226

Ion Ratio Lower Upper

63 100

106 30.8 19.2 28.8#





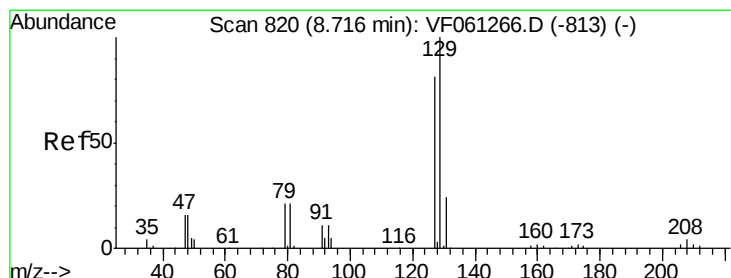
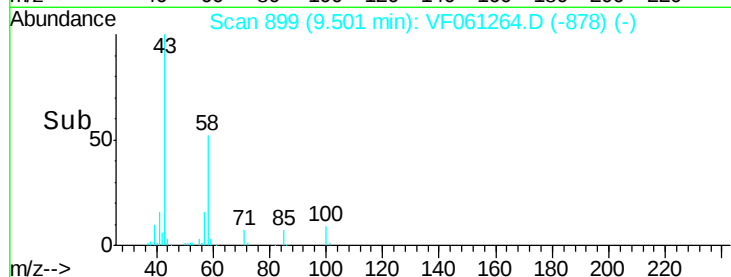
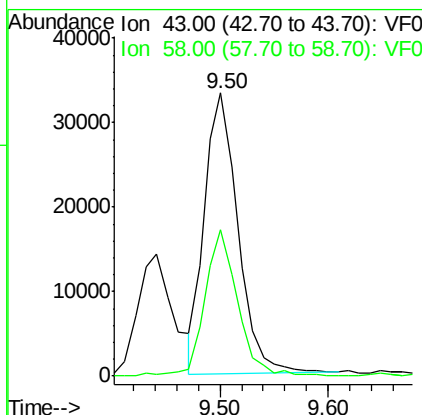
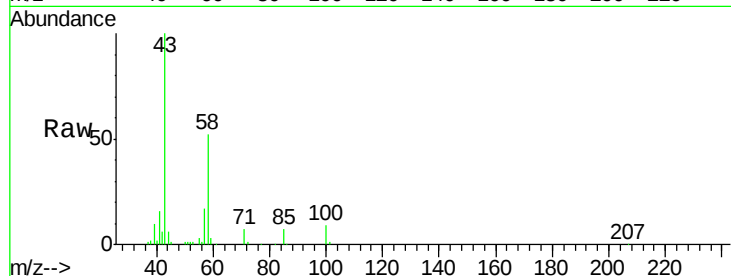
#59
2-Hexanone
Concen: 66.924 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 71035
Ion Ratio Lower Upper
43 100
58 51.7 24.4 73.4

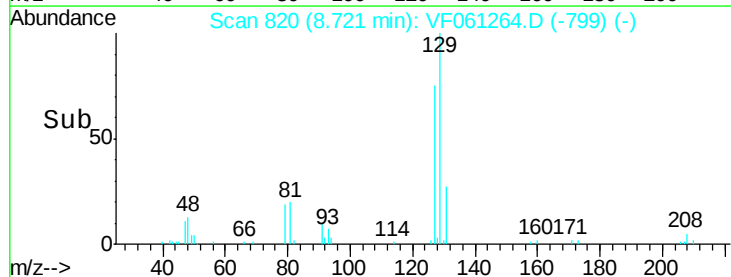
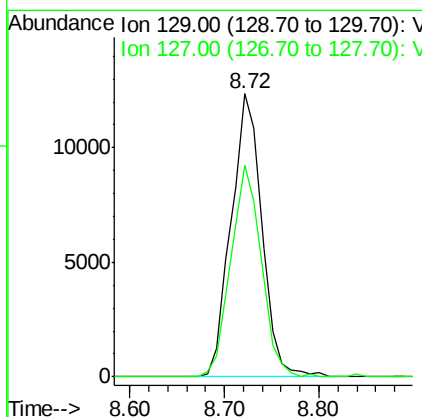
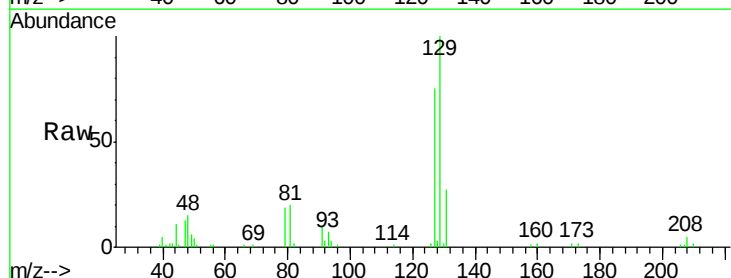
Manual Integrations
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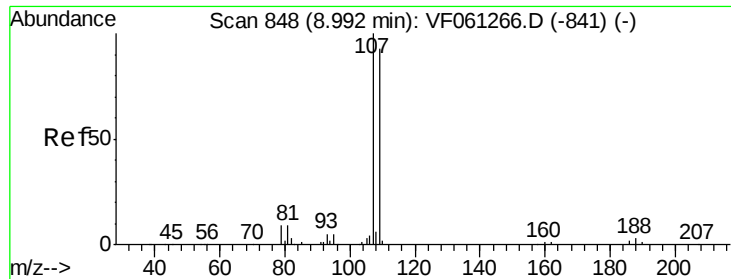
apatel
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#60
Dibromochloromethane
Concen: 10.348 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion: 129 Resp: 27815
Ion Ratio Lower Upper
129 100
127 74.9 40.7 122.1





#61

1,2-Dibromoethane

Concen: 10.079 ug/l

RT: 9.00 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 20414

Ion Ratio Lower Upper

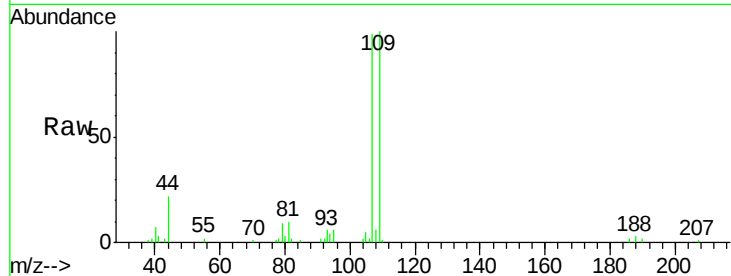
107 100

109 101.1 74.2 111.4

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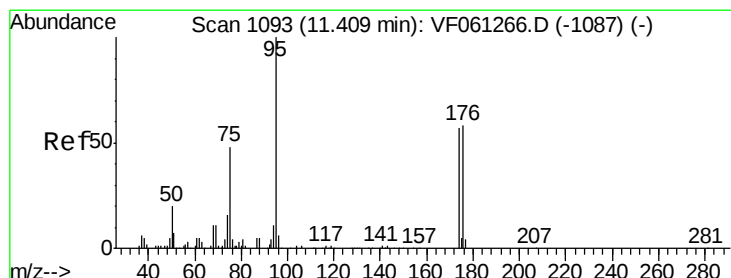
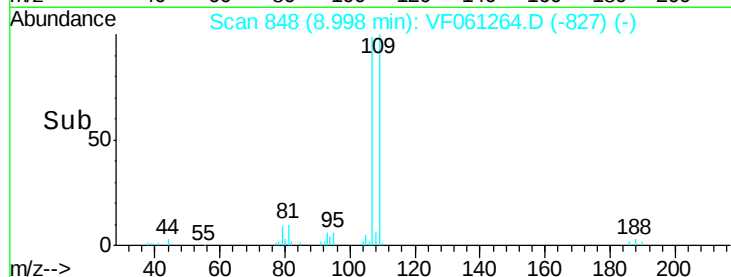
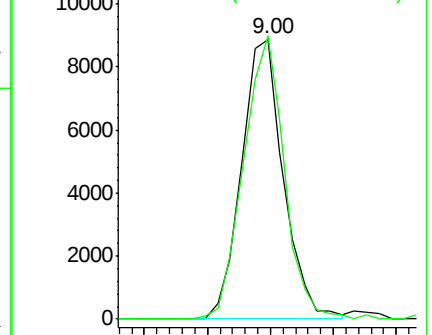
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 10.359 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

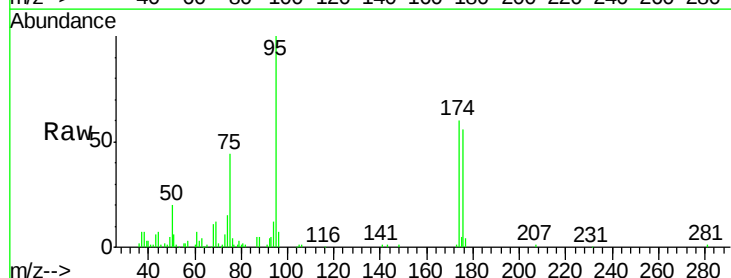
Tgt Ion: 95 Resp: 40054

Ion Ratio Lower Upper

95 100

174 60.3 0.0 113.2

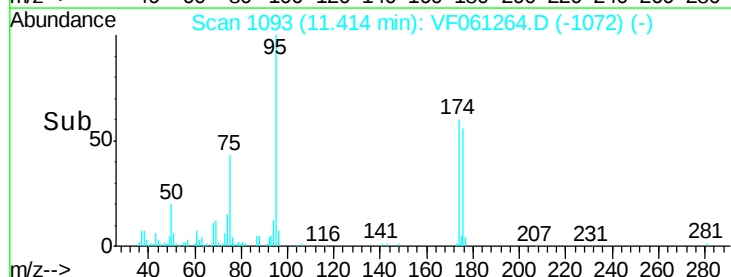
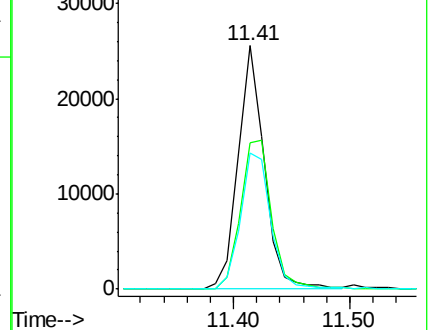
176 55.8 0.0 115.6

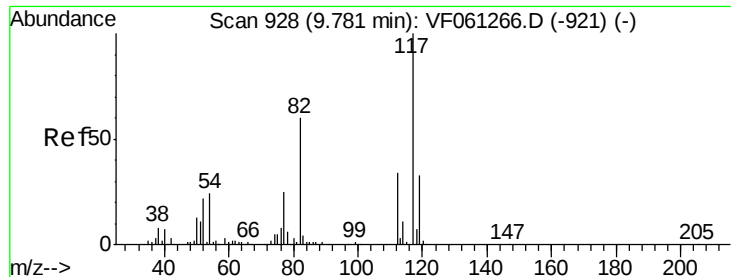


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





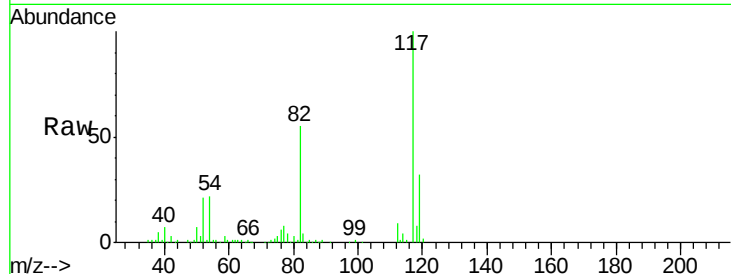
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	340175		
82	55.4	47.8	71.6	
119	31.6	26.1	39.1	

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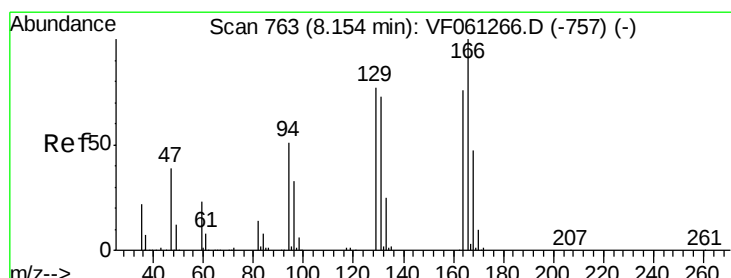
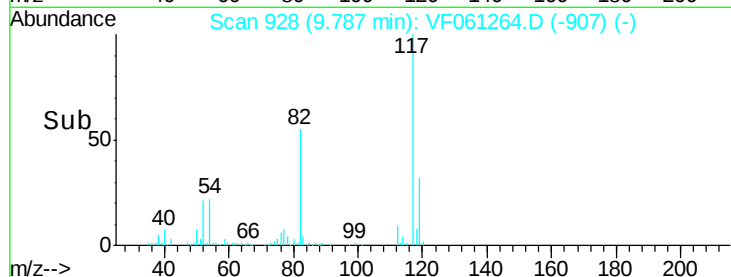
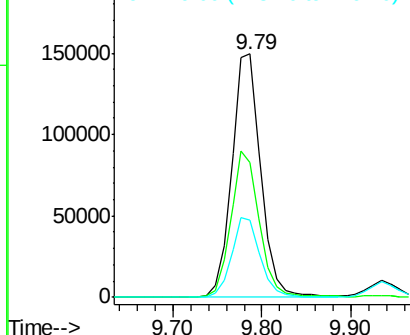


Abundance

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



#64
Tetrachloroethene
Concen: 9.937 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26263		
166	119.3	105.1	157.7	
129	98.8	81.0	121.6	
131	96.2	77.1	115.7	

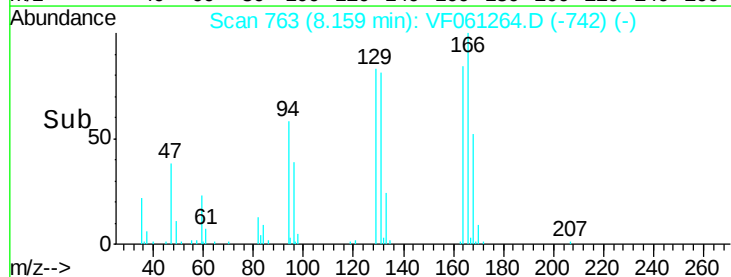
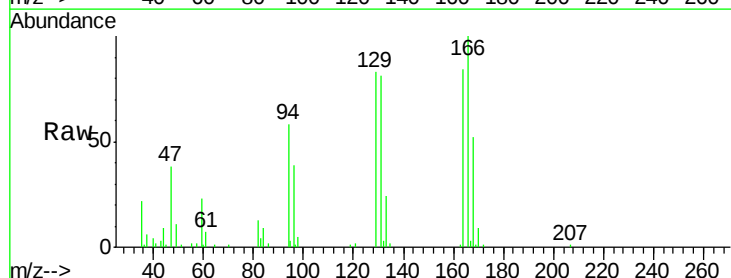
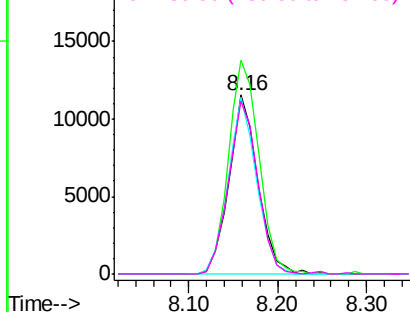
Abundance

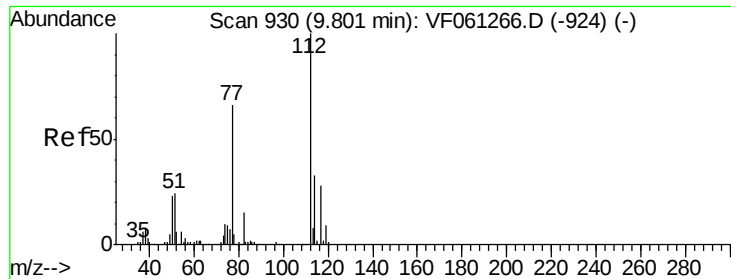
Ion 163.85 (163.55 to 164.55): V

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: 10.235 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 72754

Ion Ratio Lower Upper

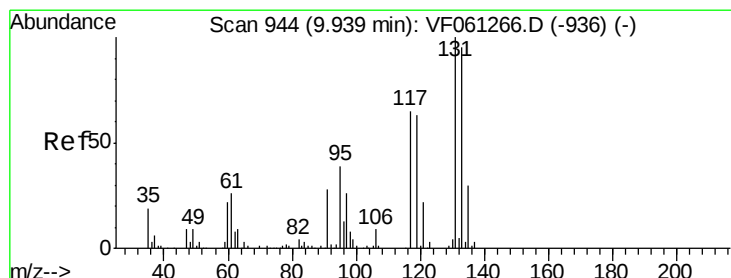
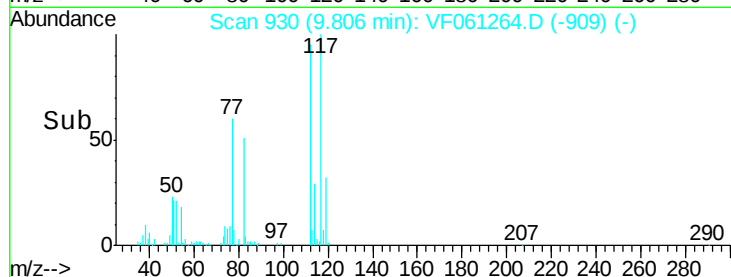
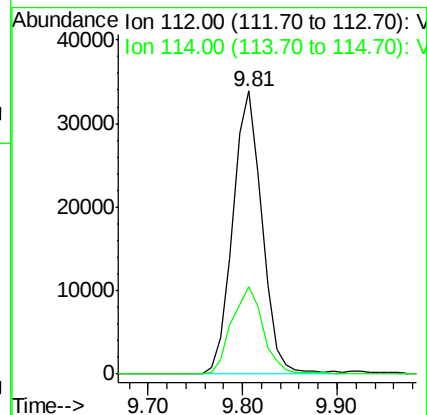
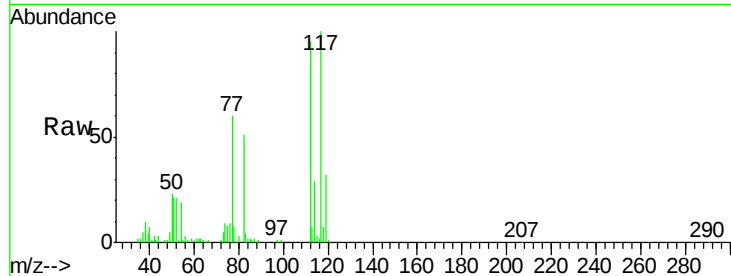
112 100

114 31.0 26.4 39.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 10.066 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

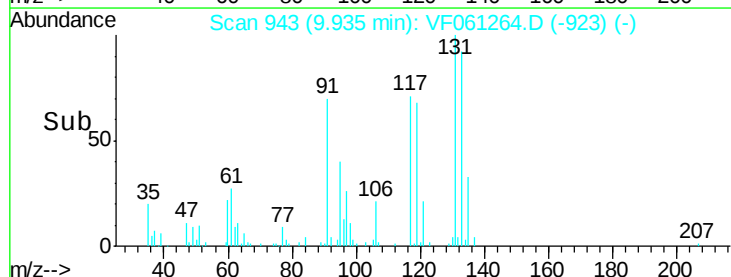
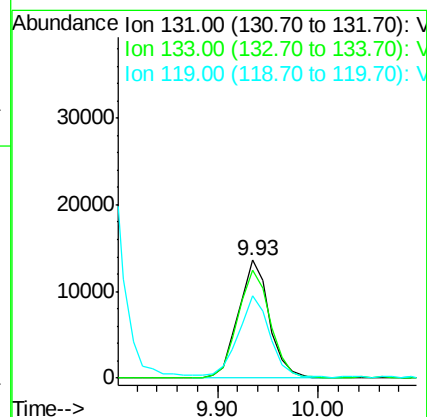
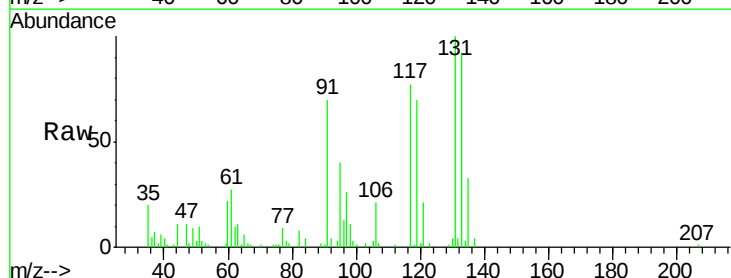
Tgt Ion:131 Resp: 29252

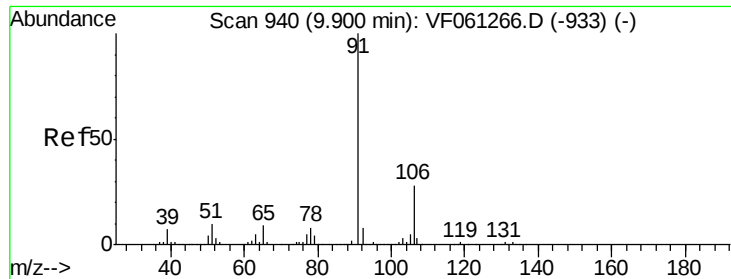
Ion Ratio Lower Upper

131 100

133 92.3 47.5 142.5

119 69.6 32.2 96.6





#67

Ethyl Benzene

Concen: 10.349 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 134766

Ion Ratio Lower Upper

91 100

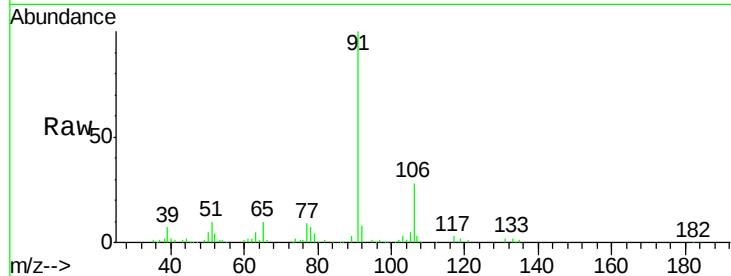
106 28.1 22.8 34.2

Manual Integrations

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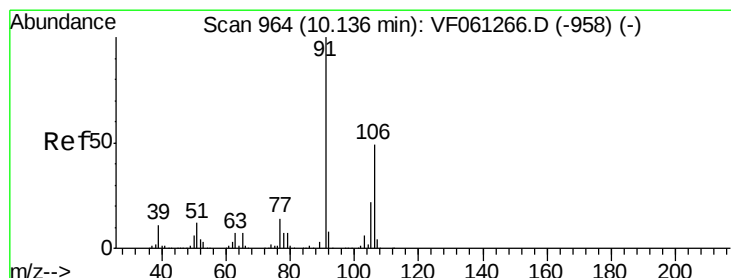
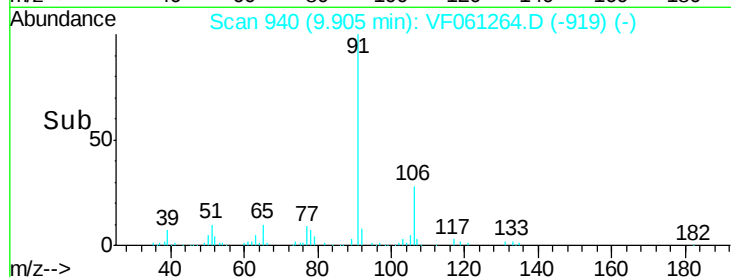
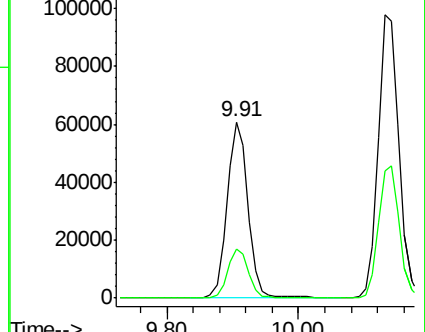
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 22.333 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061264.D

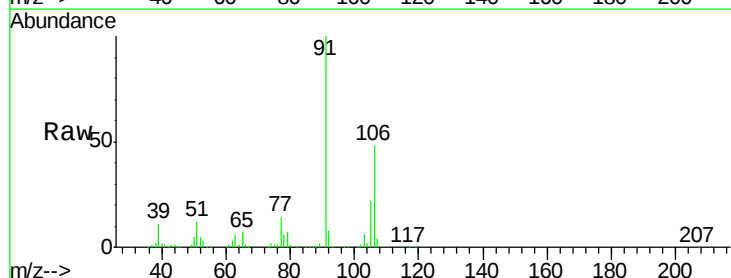
Acq: 3 Jan 2019 14:49

Tgt Ion: 106 Resp: 101663

Ion Ratio Lower Upper

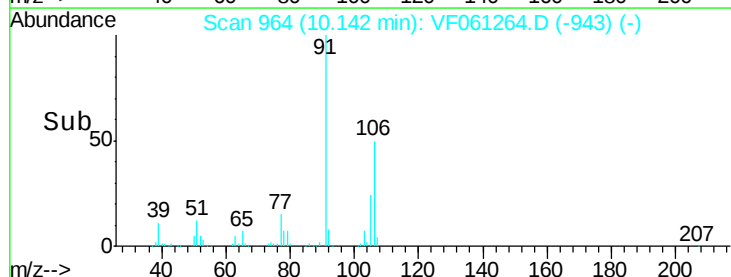
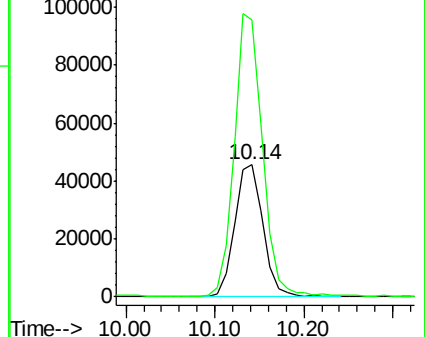
106 100

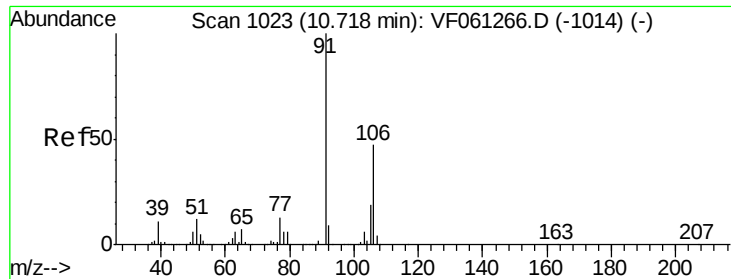
91 209.3 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





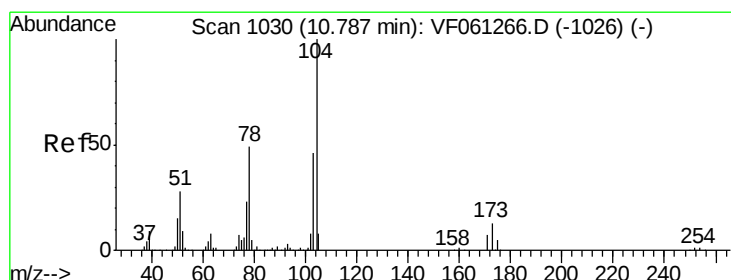
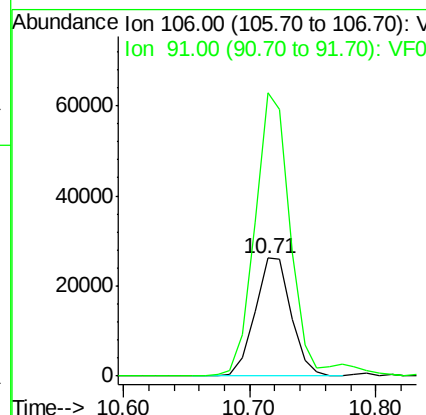
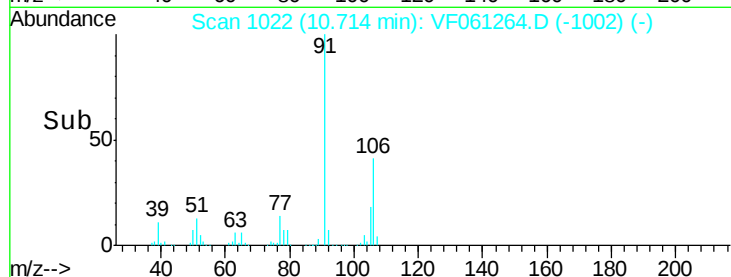
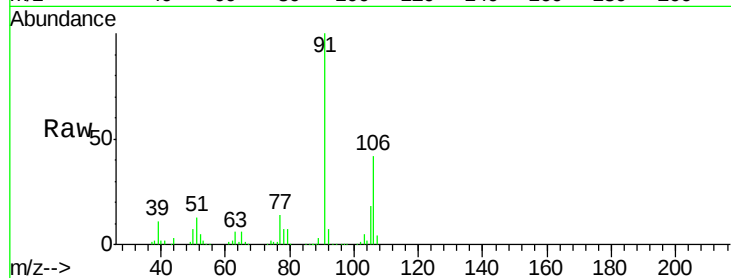
#69
o-Xylene
Concen: 10.315 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 52545
Ion Ratio Lower Upper
106 100
91 240.6 106.2 318.5

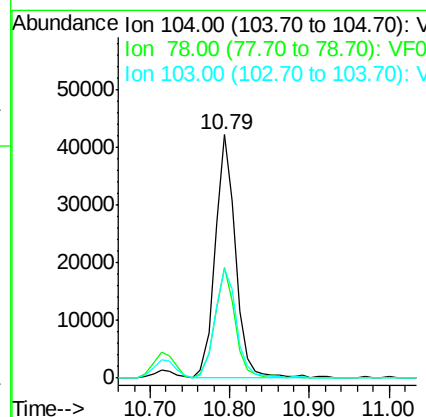
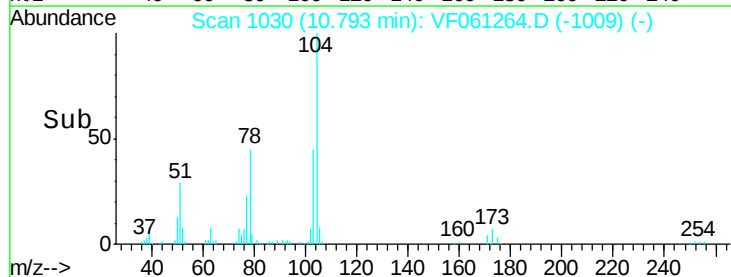
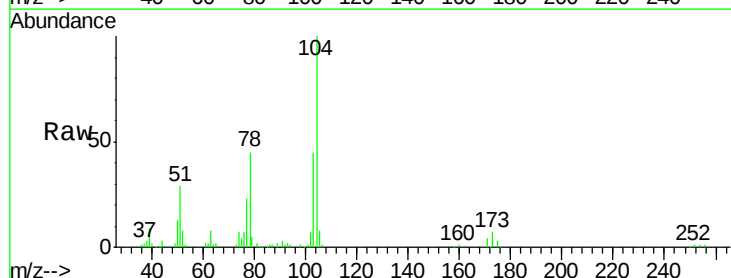
Manual Integrations
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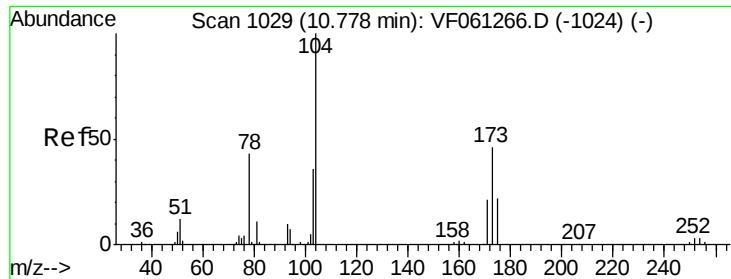
apatel
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#70
Styrene
Concen: 10.872 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion:104 Resp: 76552
Ion Ratio Lower Upper
104 100
78 45.2 39.3 58.9
103 45.0 37.3 55.9





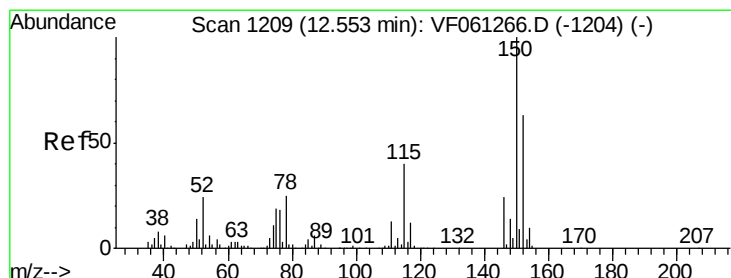
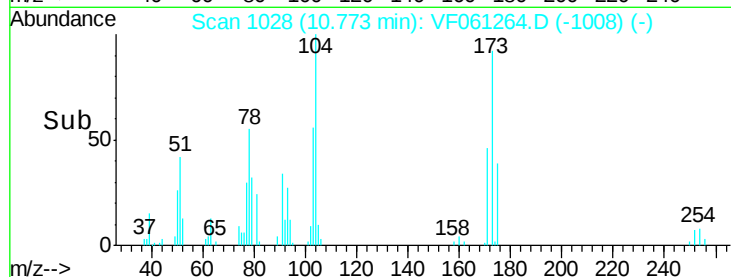
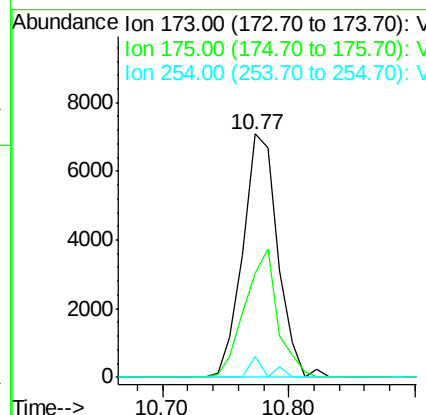
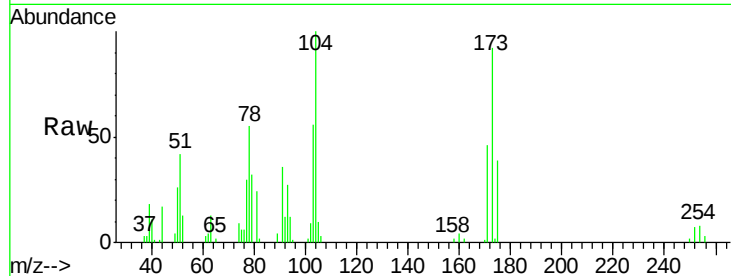
#71
Bromoform
Concen: 10.173 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.5	24.6	73.6
254	8.7	5.3	7.9

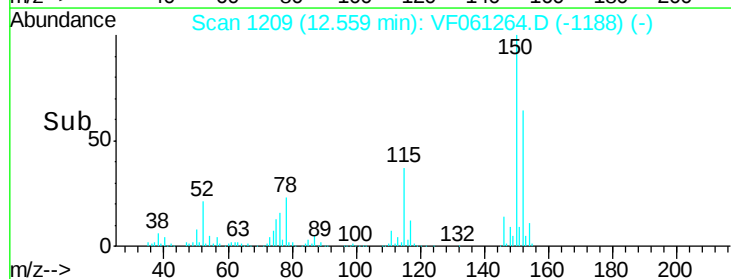
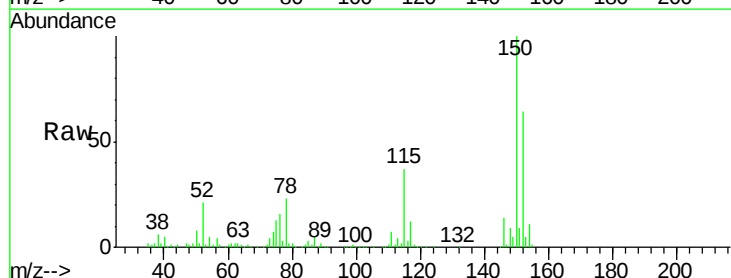
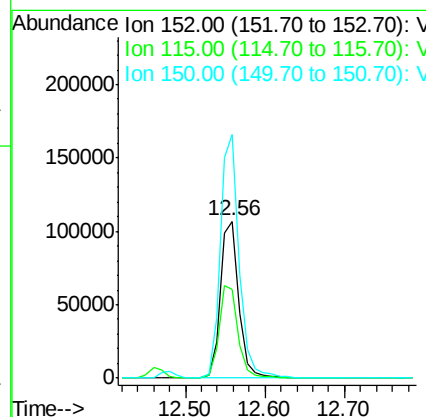
Manual Integrations
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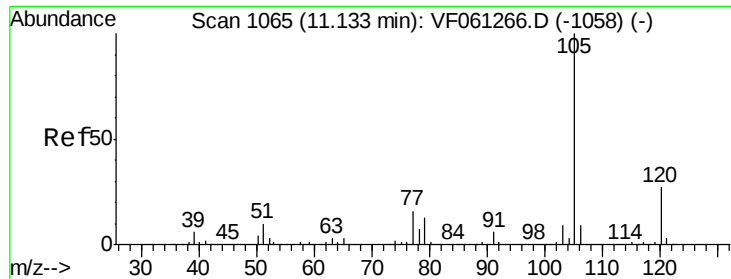
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	31.6	94.7
150	155.3	0.0	320.2





#73

Isopropylbenzene

Concen: 10.601 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 160824

Ion Ratio Lower Upper

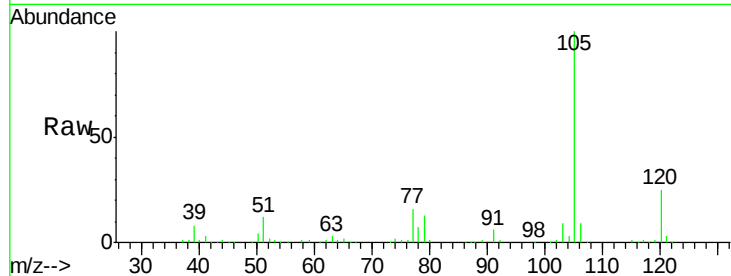
105 100

120 24.7 13.4 40.1

Manual Integrations
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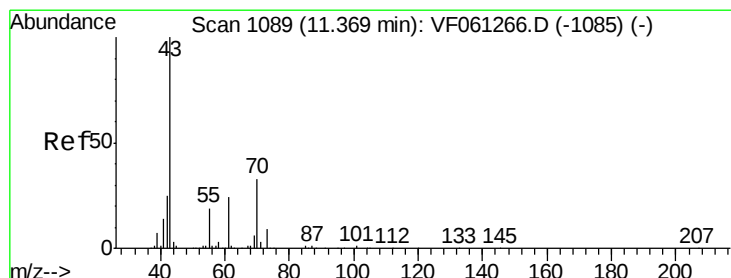
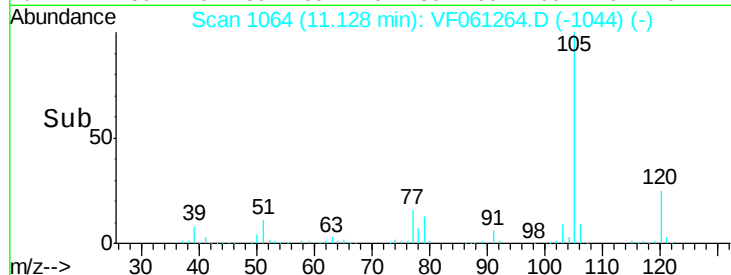
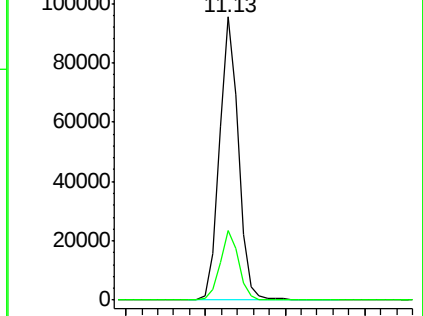
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 12.186 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion: 43 Resp: 41295

Ion Ratio Lower Upper

43 100

70 34.4 26.7 40.1

55 17.0 15.4 23.0

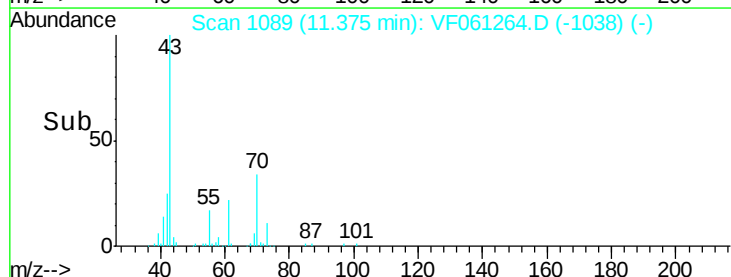
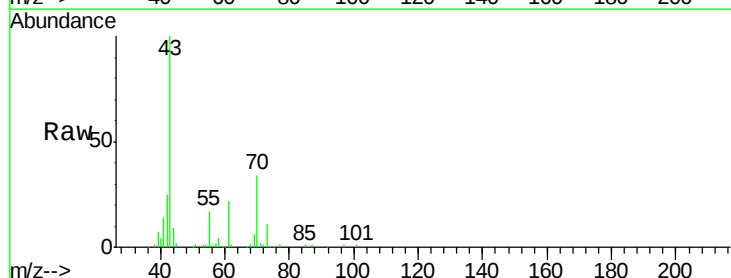
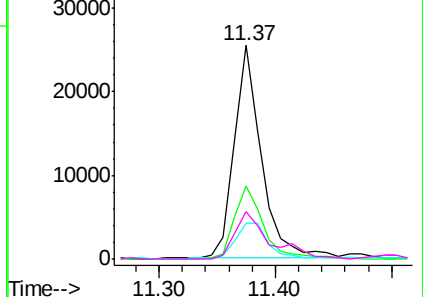
61 22.2 19.4 29.0

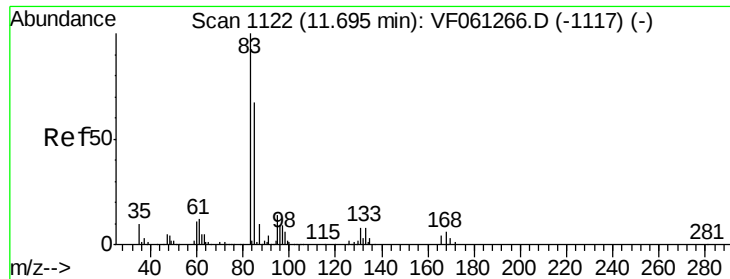
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 12.231 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

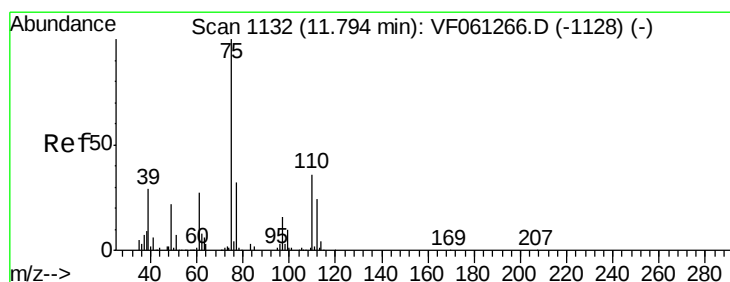
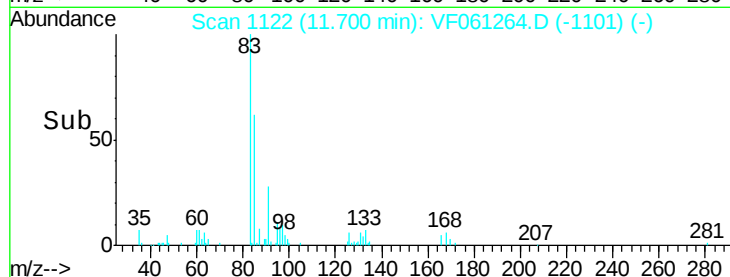
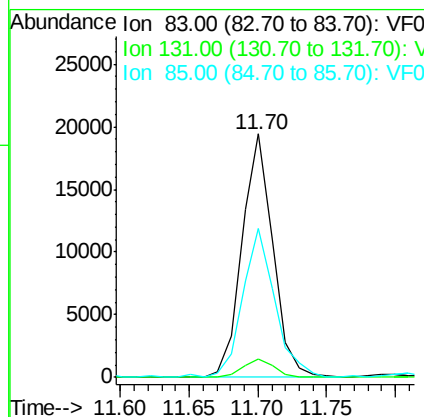
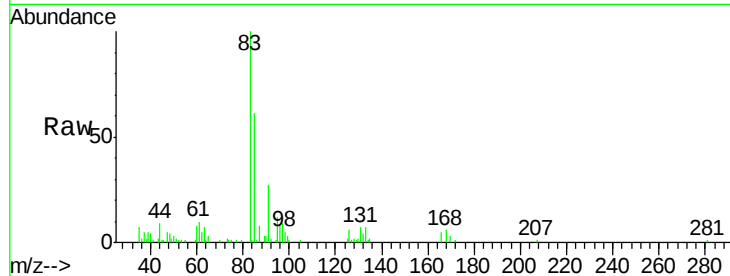
ClientSampled :

VSTDIC010

Tot Ion	83	Resp	30454
Ion Ratio	100	Lower	Upper
83	100		
131	7.5	4.0	12.0
85	61.1	33.6	100.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.701 ug/l

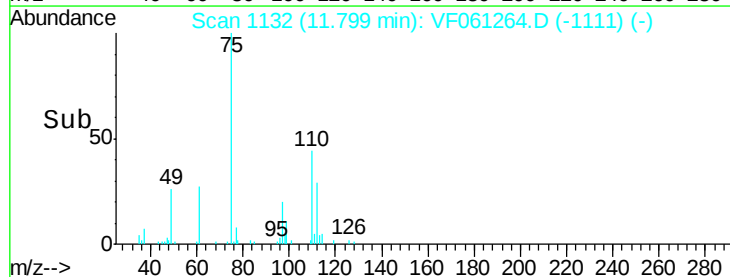
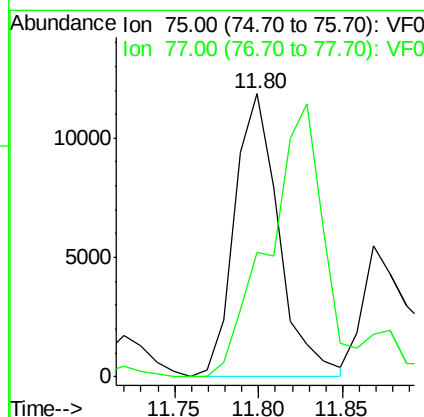
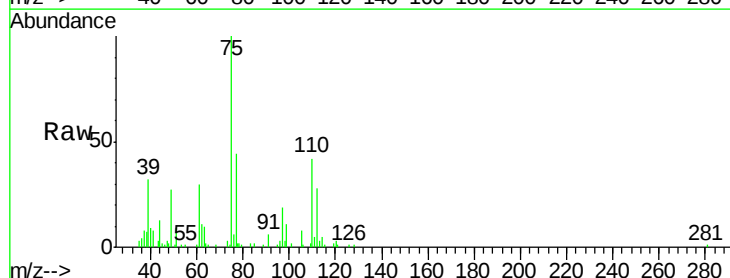
RT: 11.80 min Scan# 1132

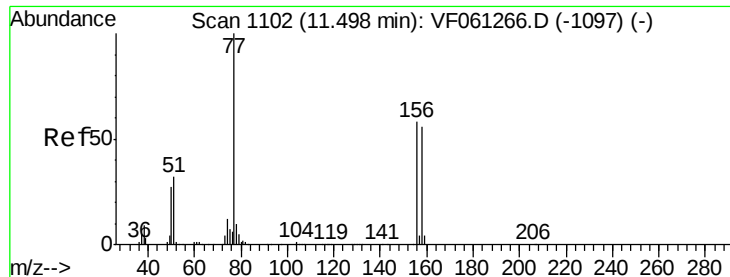
Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion	75	Resp	21698
Ion Ratio	100	Lower	Upper
75	100		
77	44.0	15.9	47.7





#77

Bromobenzene

Concen: 10.275 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 33355

Ion Ratio Lower Upper

156 100

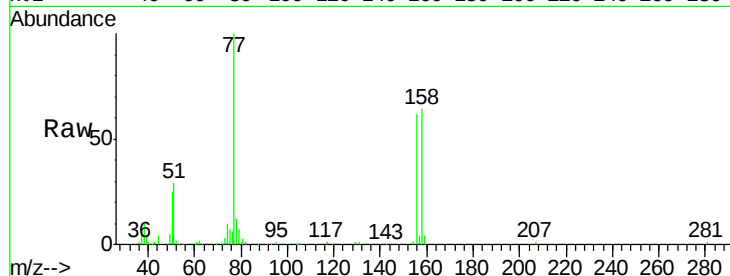
77 161.2 85.8 257.3

158 102.6 47.6 142.8

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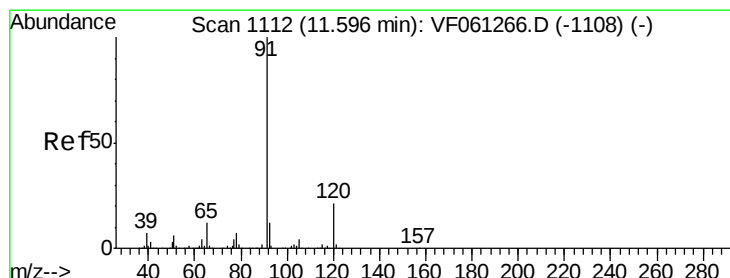
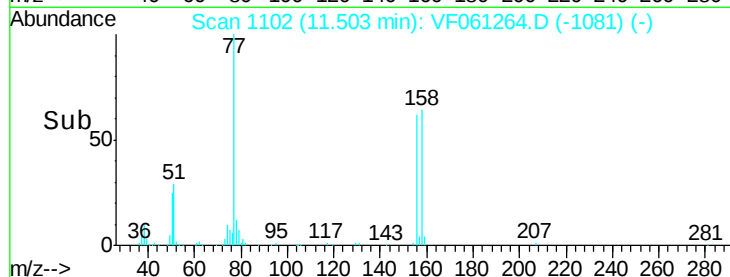
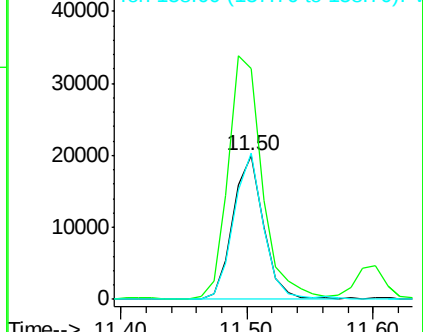
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 10.631 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061264.D

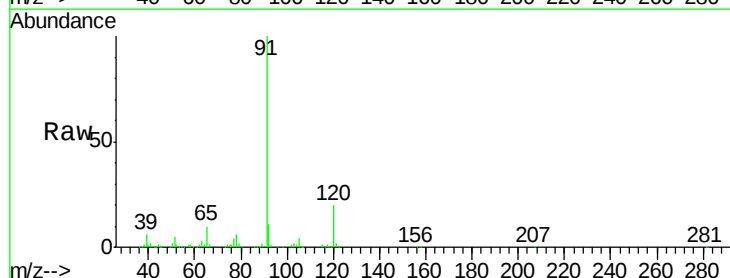
Acq: 3 Jan 2019 14:49

Tgt Ion: 91 Resp: 189529

Ion Ratio Lower Upper

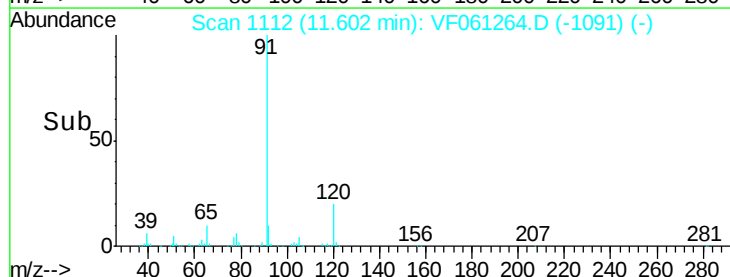
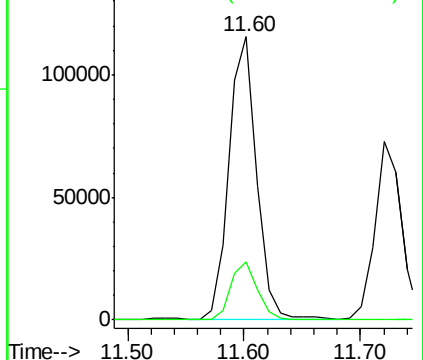
91 100

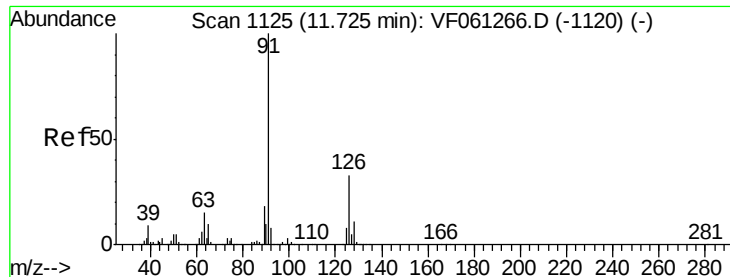
120 20.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





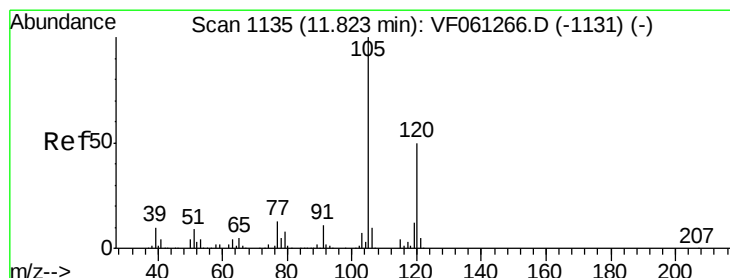
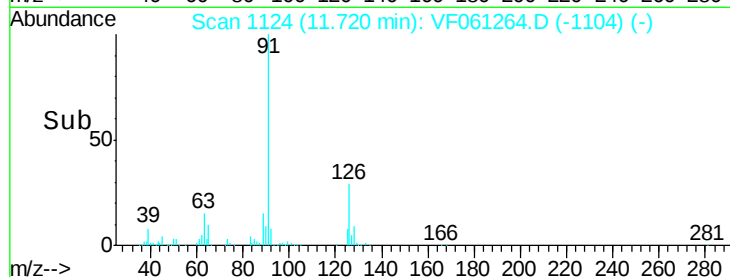
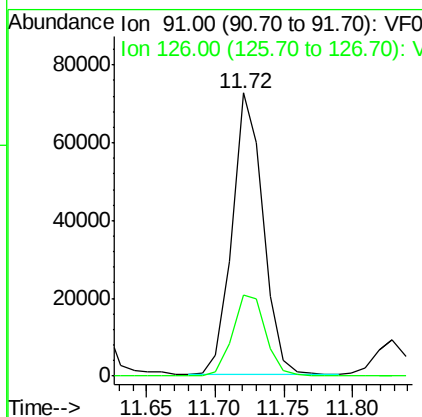
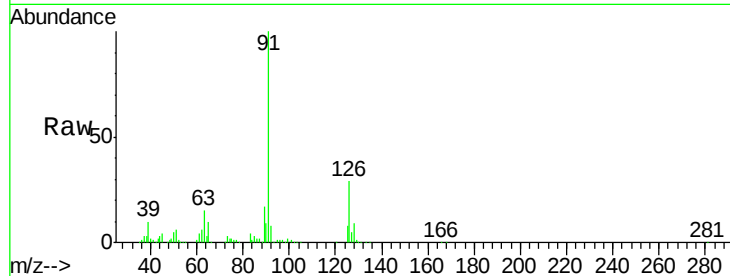
#79
 2-Chlorotoluene
 Concen: 10.994 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 113826
 Ion Ratio Lower Upper
 91 100
 126 28.6 16.3 48.8

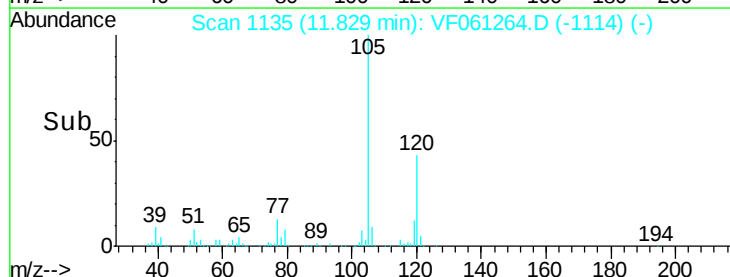
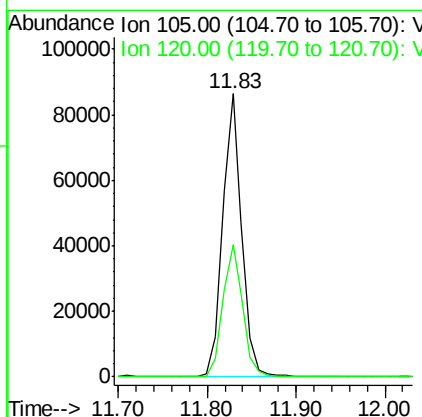
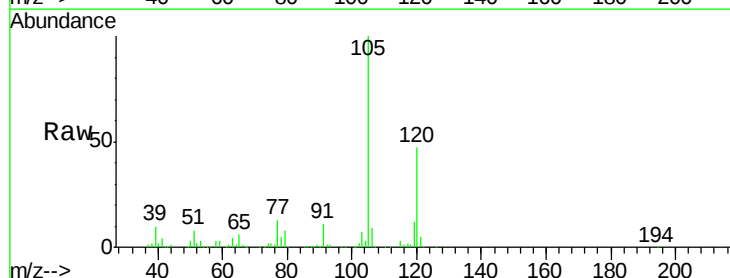
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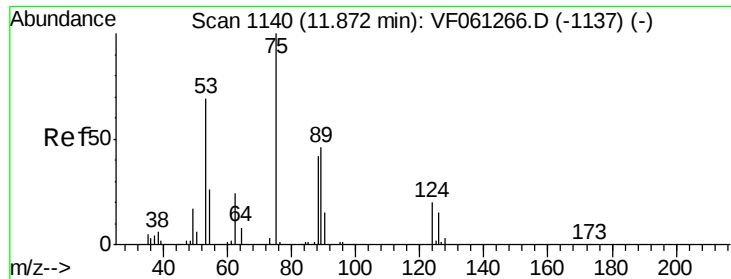
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#80
 1,3,5-Trimethylbenzene
 Concen: 10.512 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion: 105 Resp: 130353
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 12.433 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

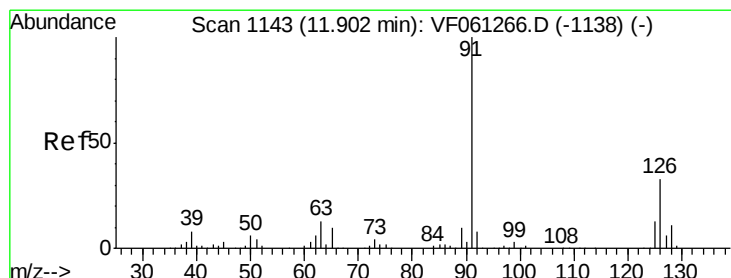
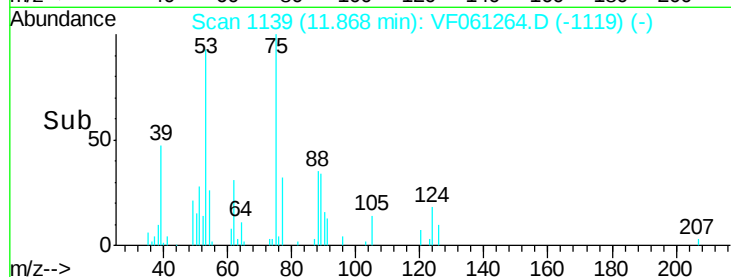
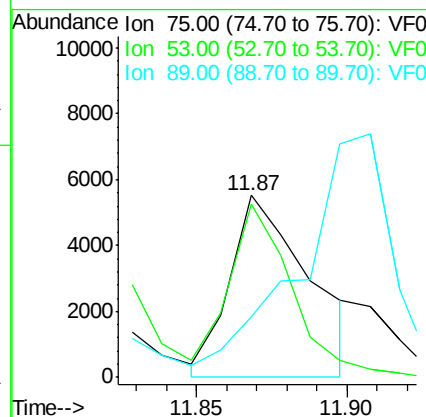
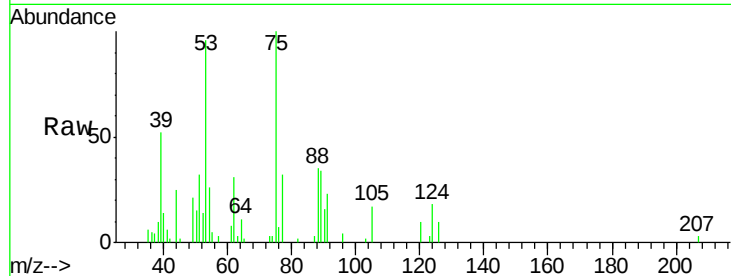
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	10066
Ion	Ratio	Lower	Upper
75	100		
53	95.7	61.7	92.5#
89	33.5	40.3	60.5#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.537 ug/l

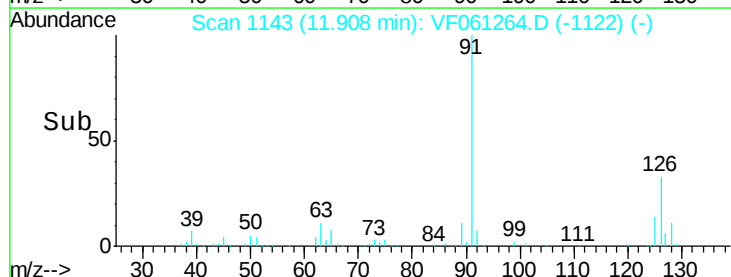
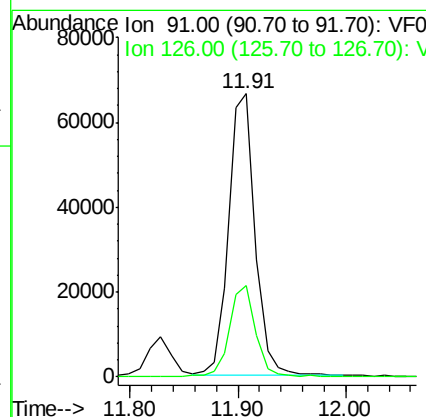
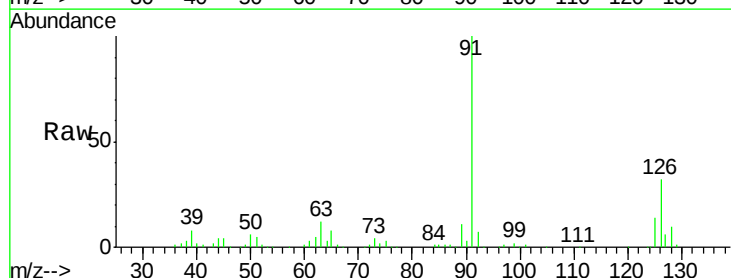
RT: 11.91 min Scan# 1143

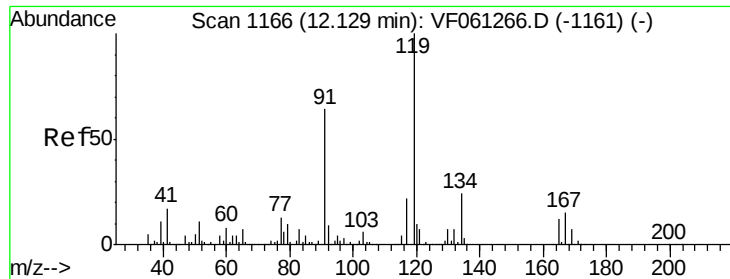
Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	91	Resp:	113365
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.3	48.8





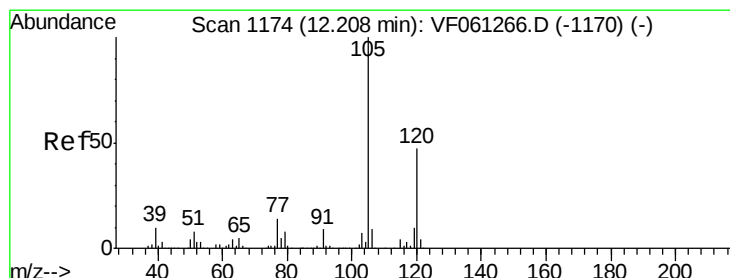
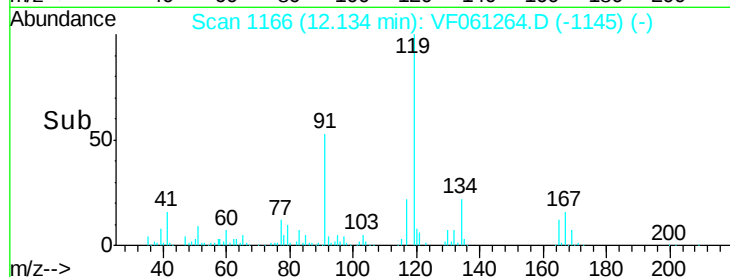
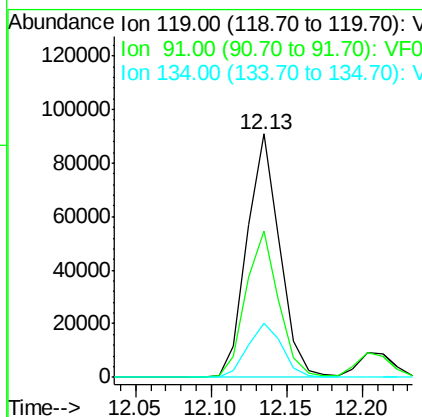
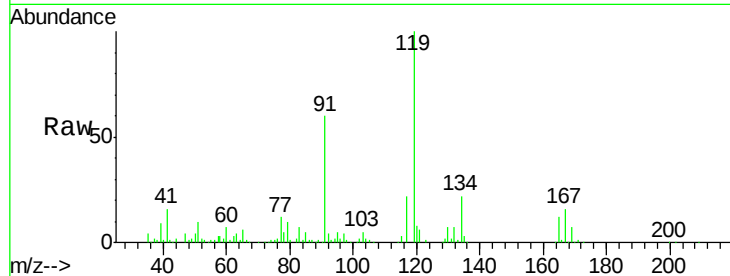
#83
 tert-Butylbenzene
 Concen: 10.738 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136912		
91	59.9	32.0	96.0	
134	22.4	12.1	36.3	

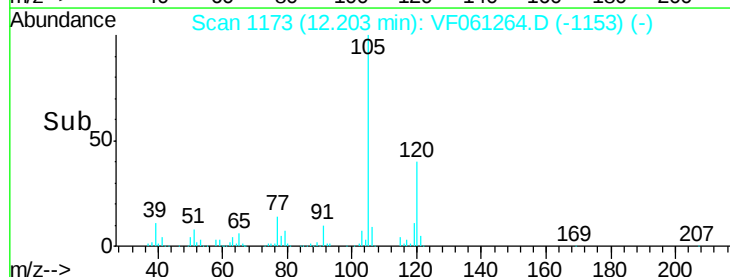
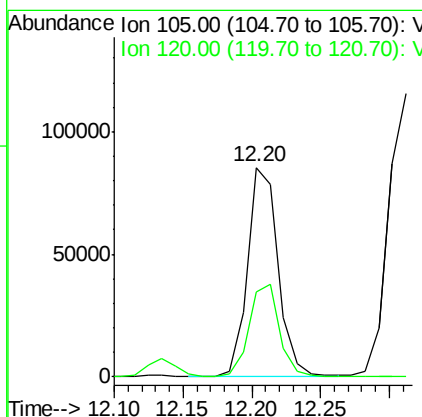
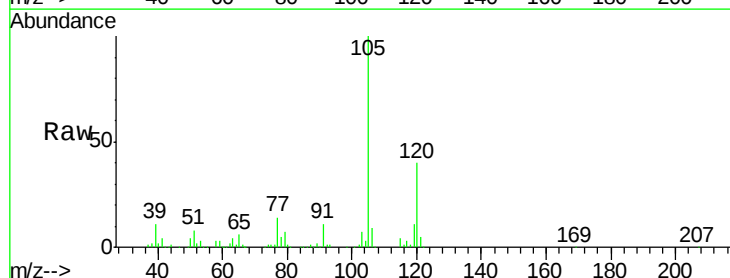
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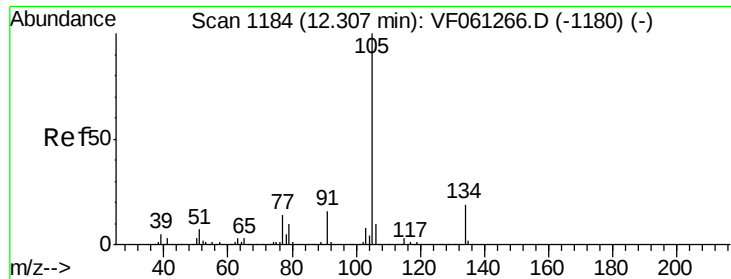
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.777 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	133288		
120	40.4	23.3	69.9	





#85

sec-Butylbenzene

Concen: 10.529 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 176555

Ion Ratio Lower Upper

105 100

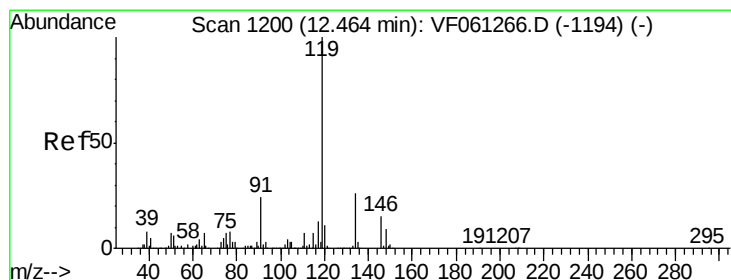
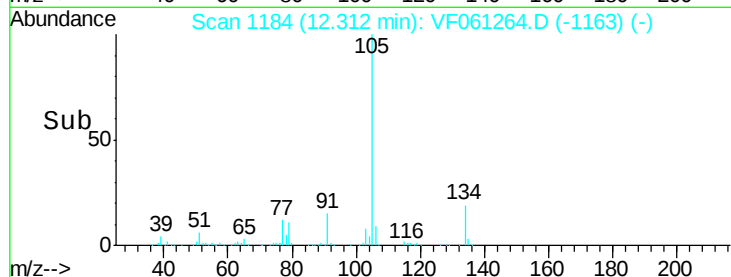
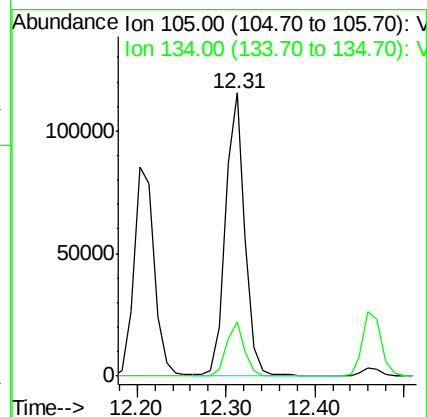
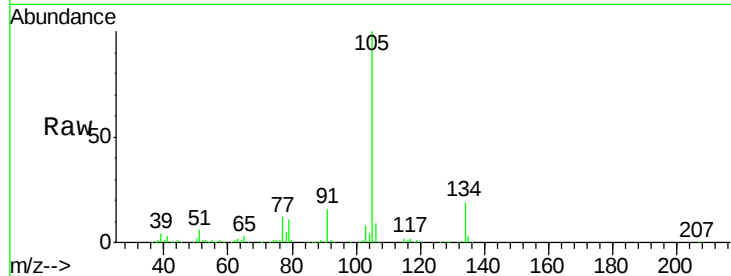
134 19.2 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 10.879 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

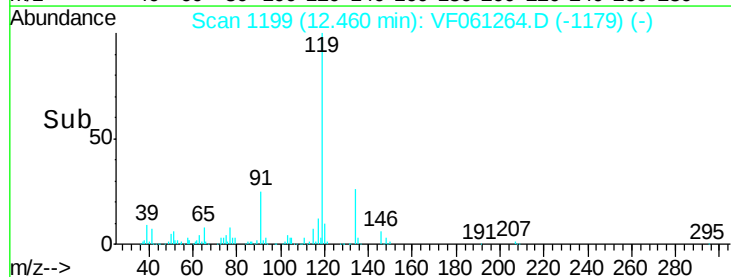
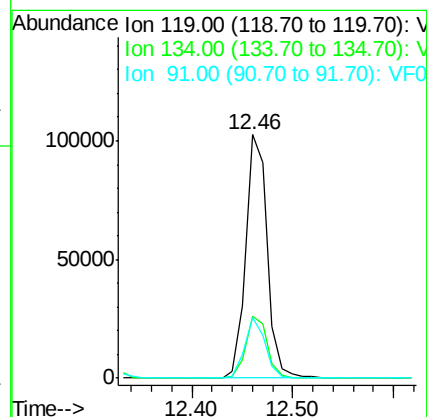
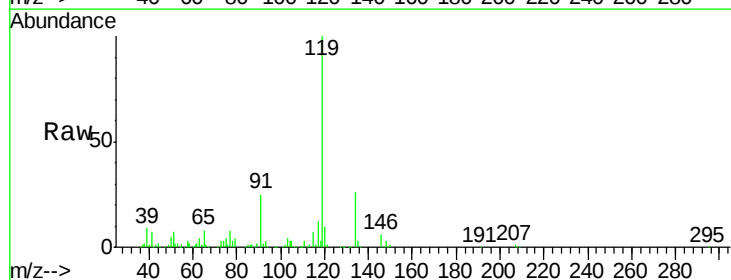
Tgt Ion:119 Resp: 151709

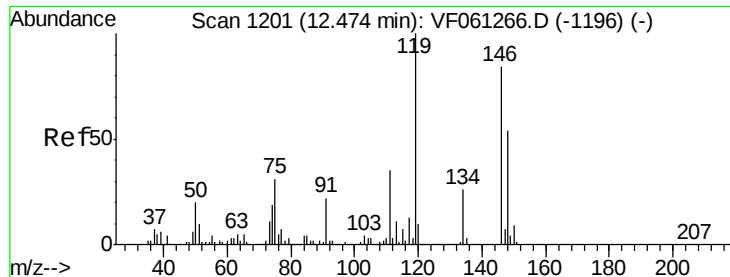
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.6

91 25.1 11.9 35.7





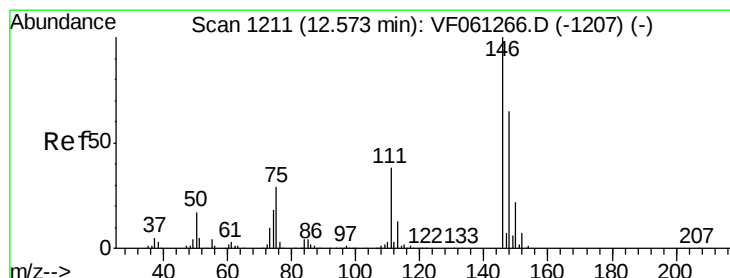
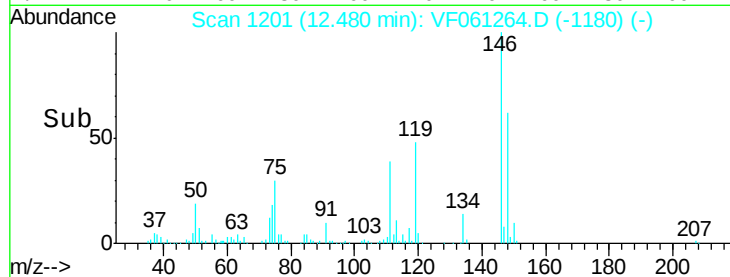
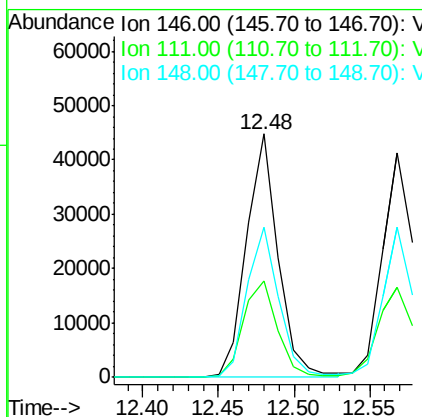
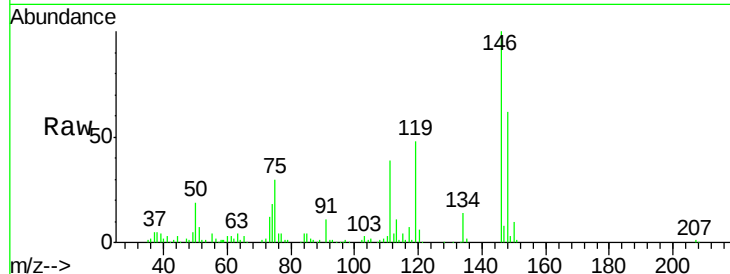
#87
 1,3-Dichlorobenzene
 Concen: 10.629 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.9	62.8
148	61.7	32.5	97.4

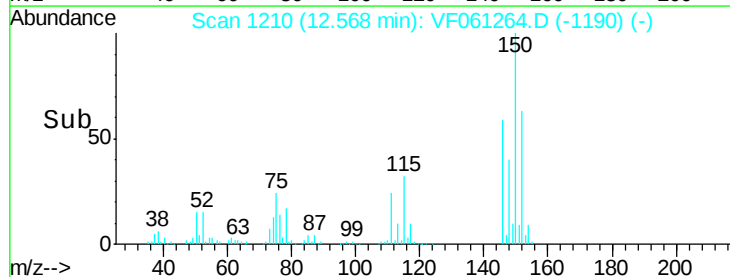
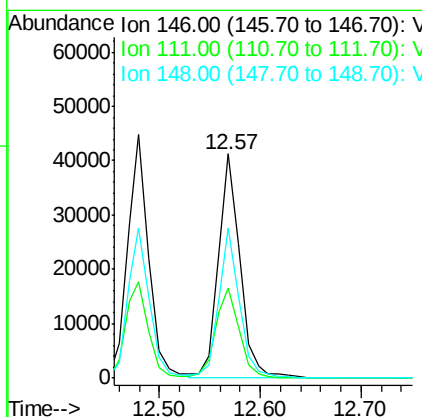
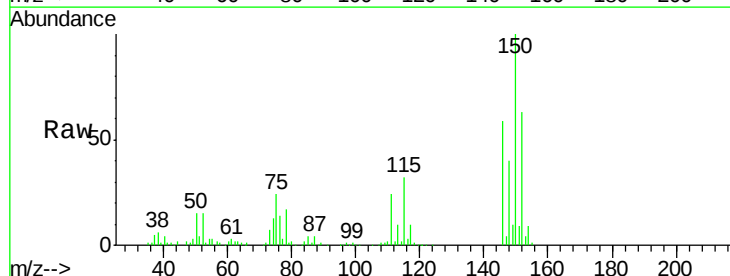
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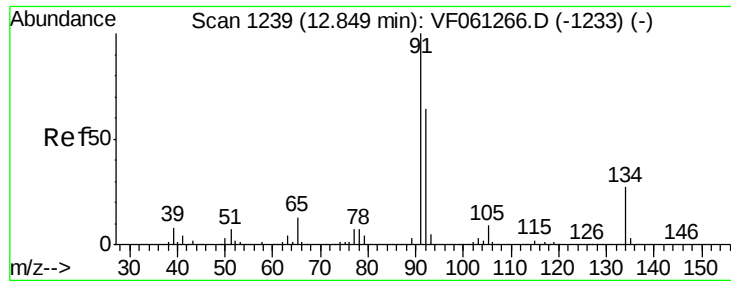
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#88
 1,4-Dichlorobenzene
 Concen: 10.410 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.9
148	67.2	32.6	98.0





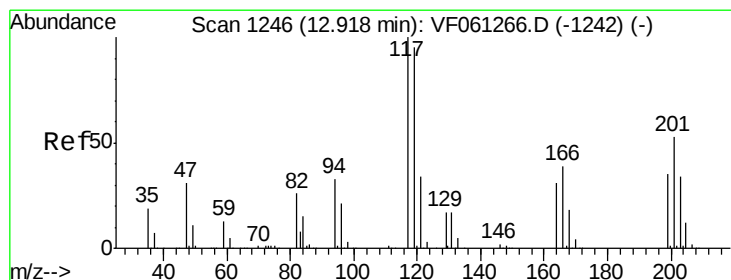
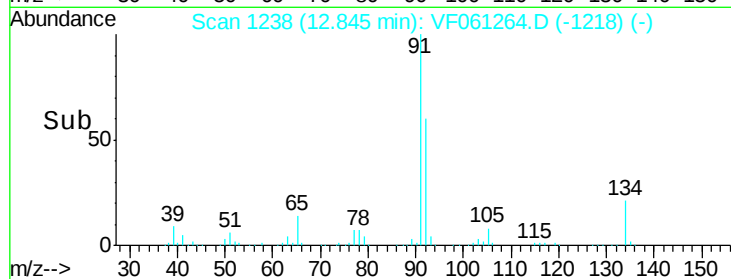
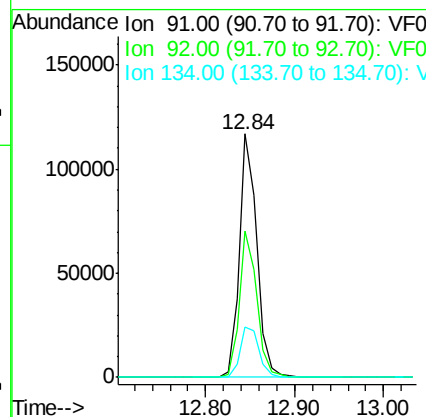
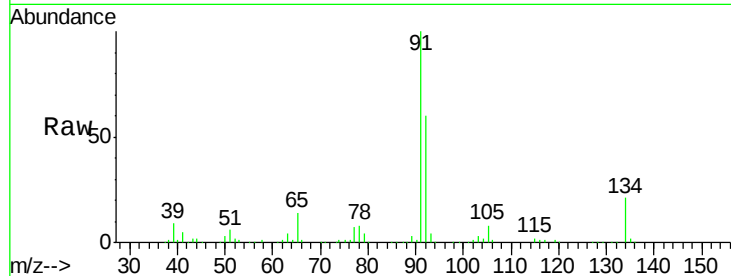
#89
n-Butylbenzene
Concen: 11.328 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	163137		
92	60.1	31.9	95.7	
134	20.7	13.6	40.7	

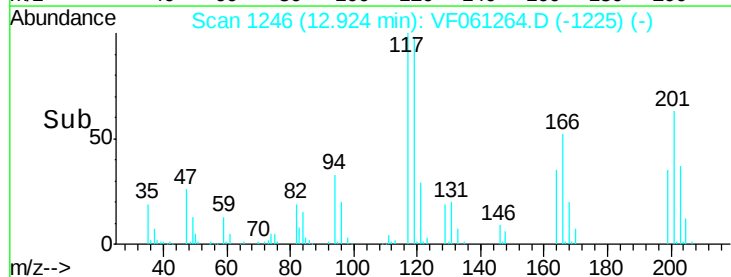
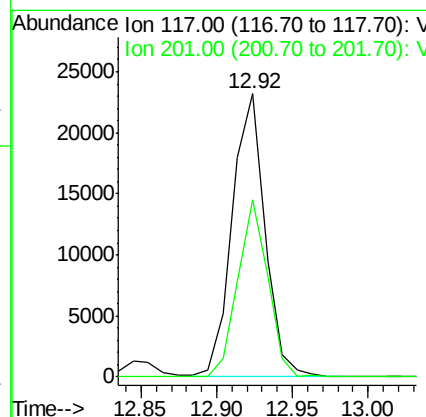
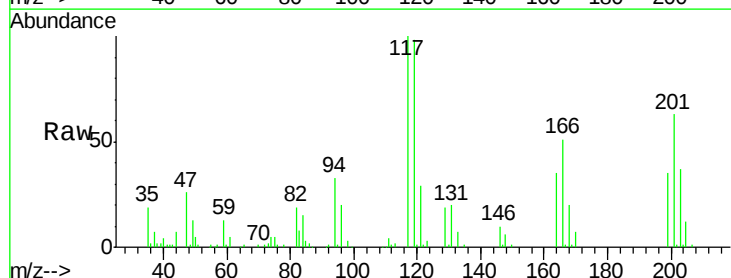
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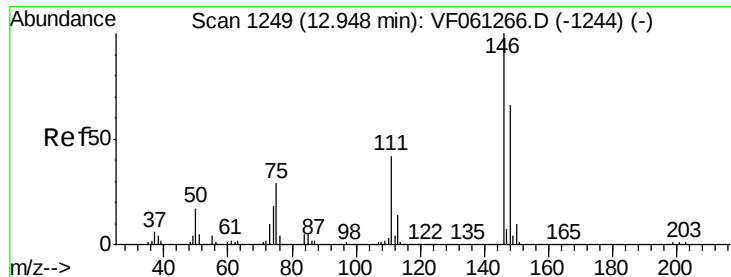
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#90
Hexachloroethane
Concen: 10.146 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34920		
201	63.7	26.6	79.7	





#91

1,2-Dichlorobenzene

Concen: 11.402 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Instrument :

MSVOA_F

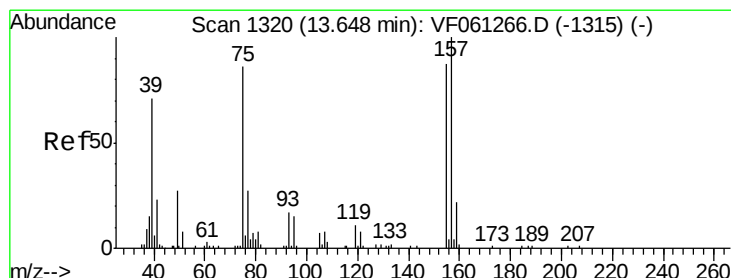
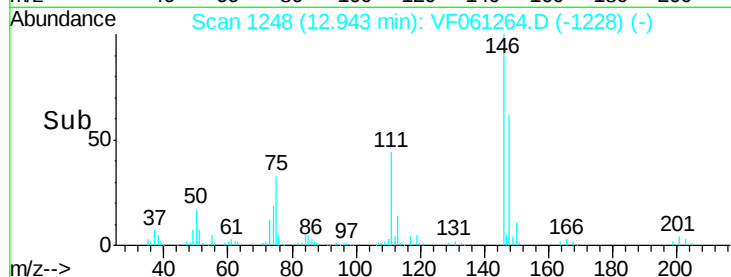
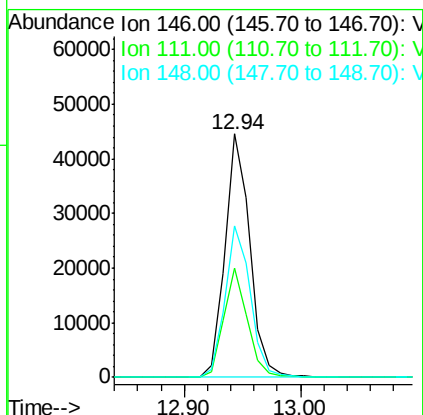
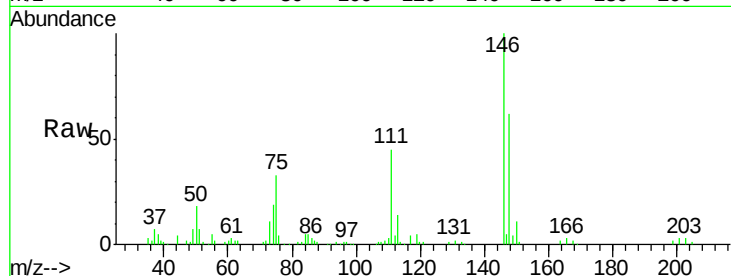
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	66030
Ion Ratio	Lower	Upper	
146	100		
111	44.6	21.1	63.4
148	62.1	32.8	98.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 10.533 ug/l

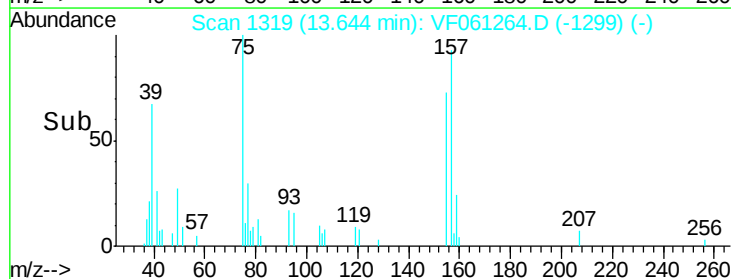
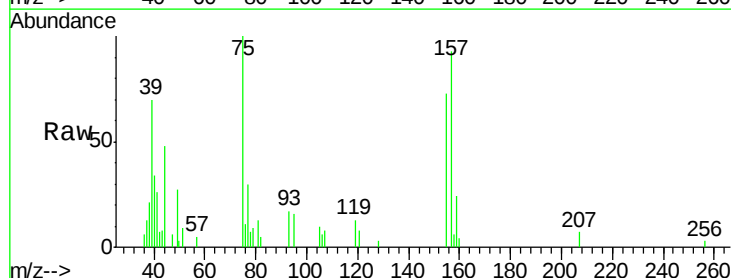
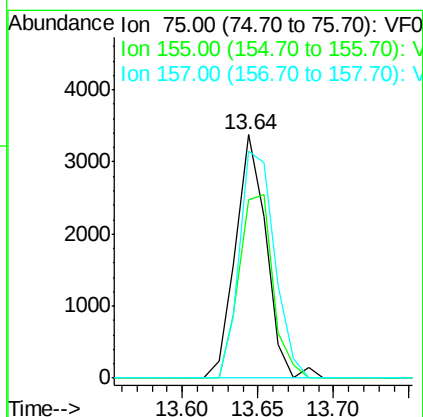
RT: 13.64 min Scan# 1319

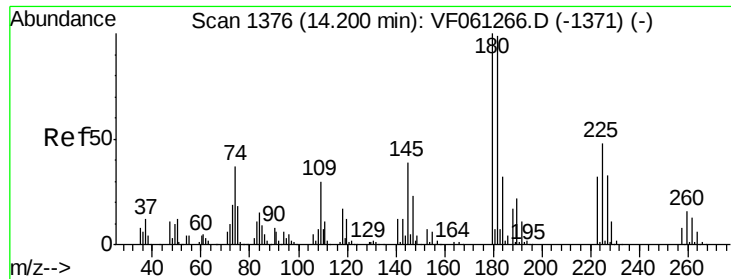
Delta R.T. -0.00 min

Lab File: VF061264.D

Acq: 3 Jan 2019 14:49

Tgt Ion:	75	Resp:	4763
Ion Ratio	Lower	Upper	
75	100		
155	73.1	50.6	151.8
157	93.2	58.0	173.9





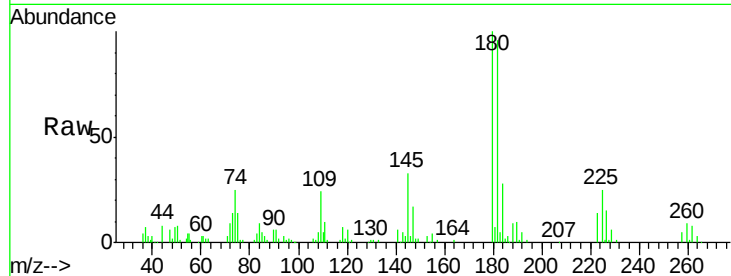
#93
 1,2,4-Trichlorobenzene
 Concen: 10.796 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	44556		
182	96.1	49.5	148.3	
145	33.2	19.7	59.0	

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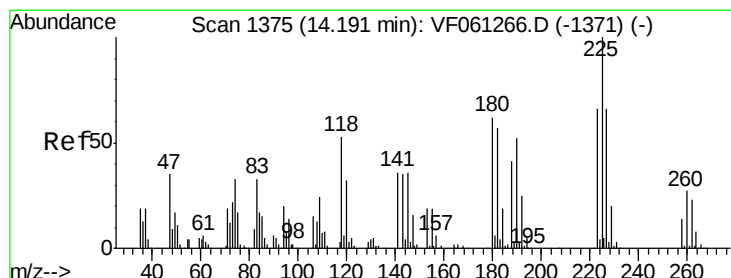
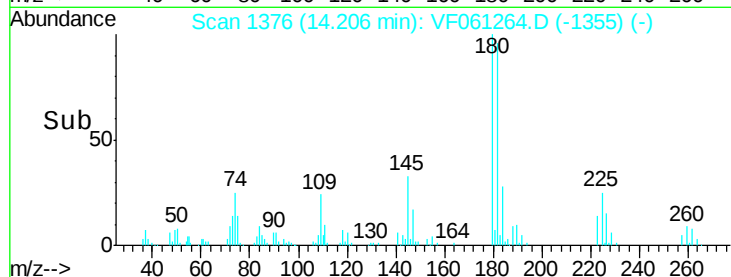
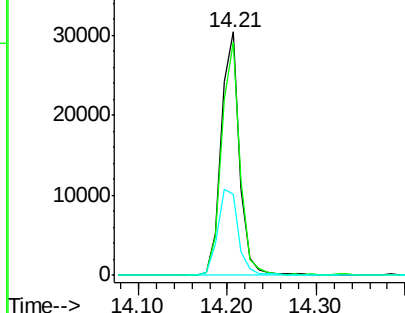


Abundance

Ion 180.00 (179.70 to 180.70): V

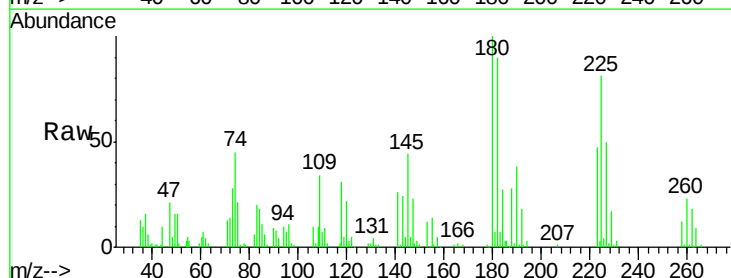
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 10.032 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061264.D
 Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26358		
223	58.6	33.0	99.0	
227	62.3	32.8	98.4	

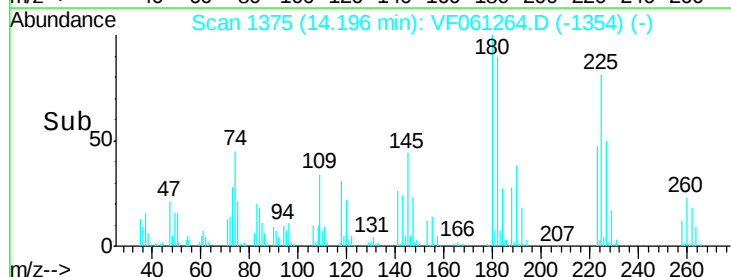
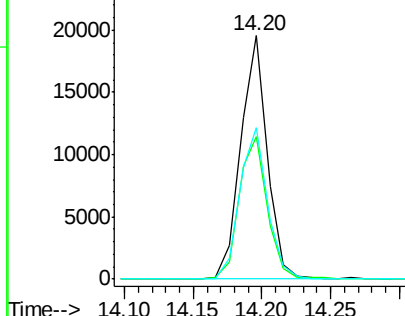


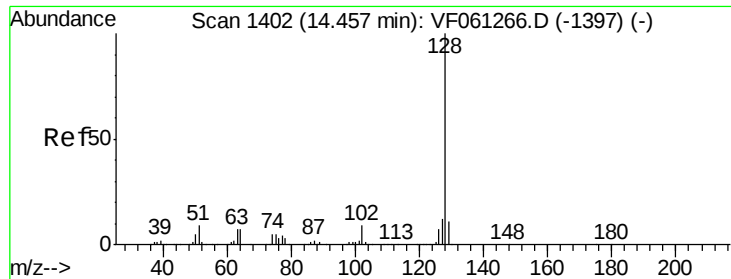
Abundance

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





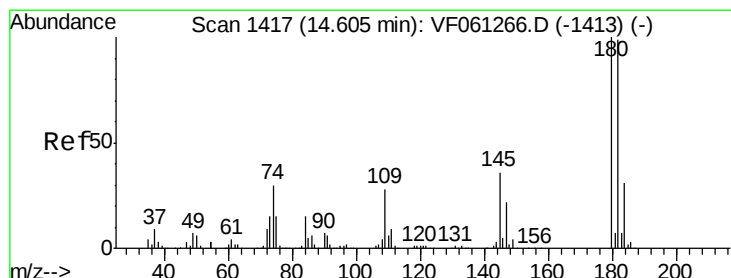
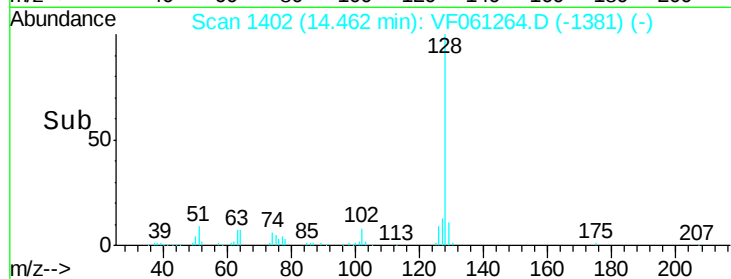
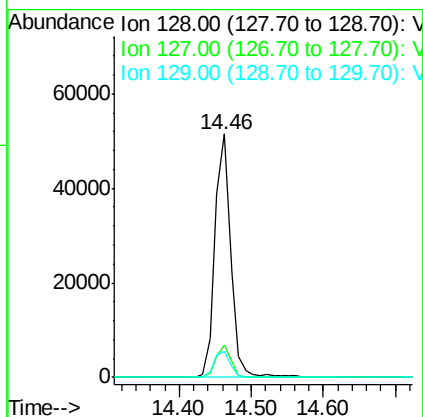
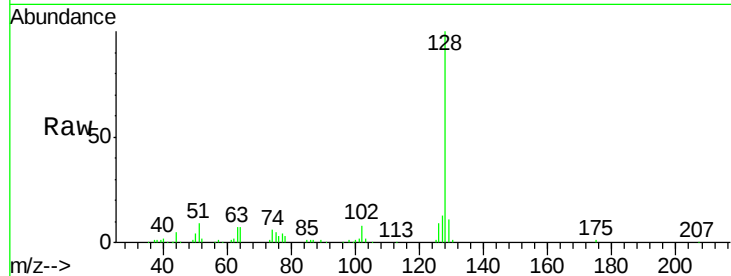
#95
Naphthalene
Concen: 10.384 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.8	14.6
129	10.8	9.0	13.4

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 10.129 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061264.D
Acq: 3 Jan 2019 14:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.1	49.5	148.5
145	37.8	18.0	54.0

