

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061263.D
 Acq On : 3 Jan 2019 13:17
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 1/4/2019 2:12:25 PM

Quant Time: Jan 04 02:49:11 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	4.87	168	224717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	390630	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	348212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	188019	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	14443	5.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.02%	
35) Dibromofluoromethane	4.12	113	15626	5.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.02%	
50) Toluene-d8	7.56	98	48153	5.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.82%	
62) 4-Bromofluorobenzene	11.42	95	21363	5.24	ug/l	0.01
Spiked Amount 50.000			Recovery	=	10.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	23036	4.722	ug/l	98
3) Chloromethane	1.10	50	18266	6.262	ug/l	99
4) Vinyl Chloride	1.15	62	15376	5.699	ug/l	98
5) Bromomethane	1.31	94	12140m	6.511	ug/l	
6) Chloroethane	1.40	64	7073	5.723	ug/l	91
7) Trichlorofluoromethane	1.48	101	25030	4.933	ug/l	85
8) Diethyl Ether	1.62	74	3835	5.563	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	14118	5.323	ug/l	95
10) Methyl Iodide	1.91	142	21327m	5.127	ug/l	
11) Tert butyl alcohol	2.57	59	3497	30.360	ug/l #	70
12) 1,1-Dichloroethene	1.79	96	11817	5.944	ug/l	91
13) Acrolein	2.00	56	3604	41.711	ug/l	98
14) Allyl chloride	2.10	41	13516	5.959	ug/l	98
15) Acrylonitrile	2.95	53	9636	35.425	ug/l	97
16) Acetone	2.24	43	15736	28.652	ug/l	100
17) Carbon Disulfide	1.83	76	34611m	5.680	ug/l	
18) Methyl Acetate	2.35	43	6928	5.799	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	23781	5.474	ug/l	94
20) Methylene Chloride	2.27	84	16352m	7.465	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	12266m	5.673	ug/l	
22) Diisopropyl ether	2.80	45	40435	5.822	ug/l	93
23) Vinyl Acetate	3.19	43	90330	28.497	ug/l	97
24) 1,1-Dichloroethane	2.88	63	23380	5.662	ug/l	98
25) 2-Butanone	4.34	43	31264	33.460	ug/l	98
26) 2,2-Dichloropropane	3.61	77	13186	5.527	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	17592	5.379	ug/l	94
28) Bromochloromethane	3.72	49	11267	5.497	ug/l #	79
29) Tetrahydrofuran	4.08	42	12383	32.489	ug/l #	66
30) Chloroform	3.86	83	33656	5.508	ug/l	95
31) Cyclohexane	3.70	56	24815m	5.737	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	18667	4.895	ug/l	96
36) 1,1-Dichloropropene	4.29	75	24052	5.091	ug/l	94
37) Ethyl Acetate	4.11	43	10411	5.458	ug/l #	84
38) Carbon Tetrachloride	3.99	117	18543	5.089	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.45	83	26275	6.053	ug/l	91
40) Benzene	4.63	78	56240	5.498	ug/l	95
41) Methacrylonitrile	4.75	41	6073	6.212	ug/l #	88
42) 1,2-Dichloroethane	4.96	62	18142	4.826	ug/l	95
43) Isopropyl Acetate	6.97	43	13443	5.902	ug/l #	90
44) Trichloroethene	5.51	130	18319	5.766	ug/l	97
45) 1,2-Dichloropropane	6.24	63	14383	5.199	ug/l	100
46) Dibromomethane	6.09	93	8843	5.004	ug/l	95
47) Bromodichloromethane	6.39	83	23934	5.233	ug/l #	96
48) Methyl methacrylate	6.72	41	7536	4.742	ug/l	94
49) 1,4-Dioxane	6.71	88	1114	98.332	ug/l #	39
51) 4-Methyl-2-Pentanone	8.27	43	47715	30.635	ug/l	99
52) Toluene	7.63	92	36790	5.441	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	19669	5.276	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	25522	5.446	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	9668	4.813	ug/l	96
56) Ethyl methacrylate	8.63	69	10691	4.928	ug/l	96
57) 1,3-Dichloropropane	8.85	76	19210	5.275	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.31	63	6116	15.465	ug/l #	87
59) 2-Hexanone	9.51	43	32559	29.078	ug/l	97
60) Dibromochloromethane	8.73	129	14214	5.013	ug/l	86
61) 1,2-Dibromoethane	8.99	107	10966	5.132	ug/l	91
64) Tetrachloroethene	8.15	164	14700	5.434	ug/l	93
65) Chlorobenzene	9.80	112	37555	5.161	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	16816	5.653	ug/l	91
67) Ethyl Benzene	9.91	91	74382	5.580	ug/l	99
68) m/p-Xylenes	10.14	106	56766	12.182	ug/l	91
69) o-Xylene	10.72	106	27636	5.300	ug/l	91
70) Styrene	10.80	104	39894	5.535	ug/l	96
71) Bromoform	10.78	173	6668	4.866	ug/l #	80
73) Isopropylbenzene	11.13	105	83027	5.120	ug/l	97
74) N-amyl acetate	11.38	43	22163	6.119	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	14957	5.620	ug/l	91
76) 1,2,3-Trichloropropane	11.80	75	11138	5.619	ug/l	91
77) Bromobenzene	11.50	156	16699	4.812	ug/l	97
78) n-propylbenzene	11.60	91	111813	5.868	ug/l	96
79) 2-Chlorotoluene	11.72	91	60525	5.469	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	71102	5.364	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	4949m	5.719	ug/l	
82) 4-Chlorotoluene	11.90	91	59517	5.175	ug/l	99
83) tert-Butylbenzene	12.14	119	74304	5.452	ug/l	92
84) 1,2,4-Trimethylbenzene	12.21	105	71665	5.421	ug/l	96
85) sec-Butylbenzene	12.31	105	104444	5.827	ug/l	98
86) p-Isopropyltoluene	12.46	119	82326	5.523	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	38022	5.783	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	34098	5.291	ug/l	99
89) n-Butylbenzene	12.85	91	86572	5.624	ug/l	95
90) Hexachloroethane	12.92	117	18584	5.051	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	34774	5.618	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2736	5.660	ug/l	66

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MSVOA_F
ClientSampleId :
VSTDICC005

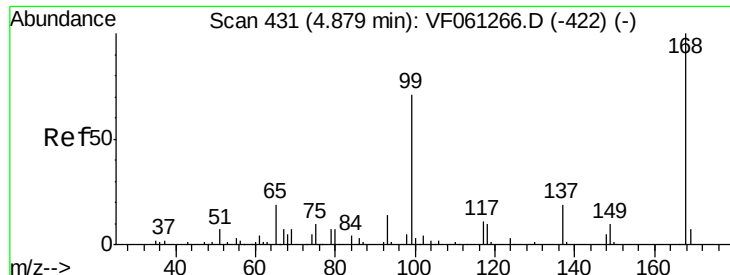
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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	24170	5.479	ug/l	96
94) Hexachlorobutadiene	14.20	225	15183	5.406	ug/l	89
95) Naphthalene	14.46	128	41503	5.207	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	21309	5.280	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 224717

Ion Ratio Lower Upper

168 100

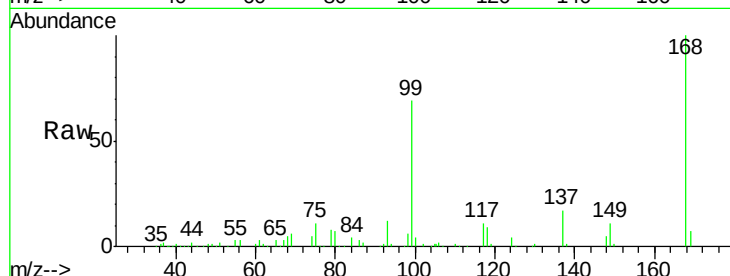
99 68.9 57.0 85.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

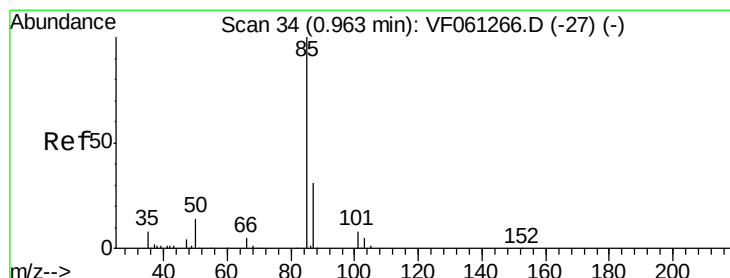
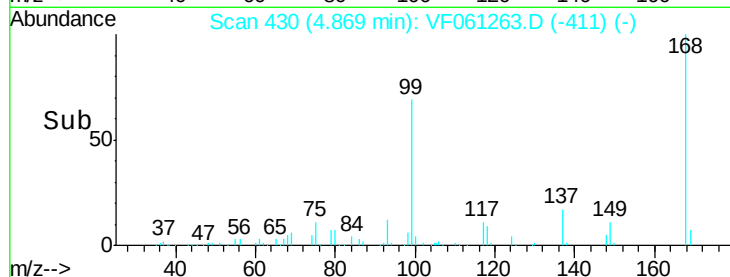
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.722 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061263.D

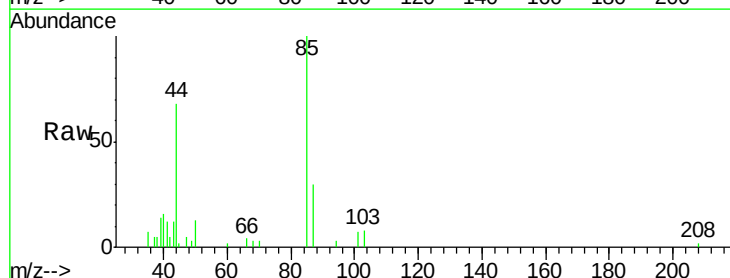
Acq: 3 Jan 2019 13:17

Tgt Ion: 85 Resp: 23036

Ion Ratio Lower Upper

85 100

87 30.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

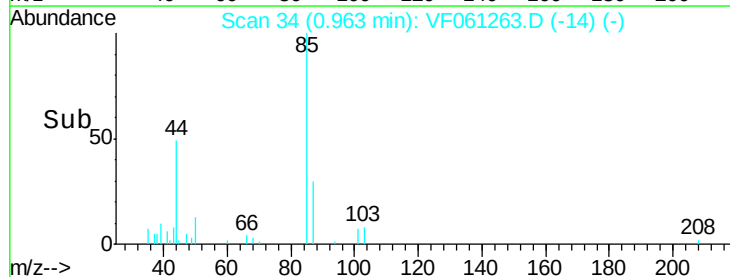
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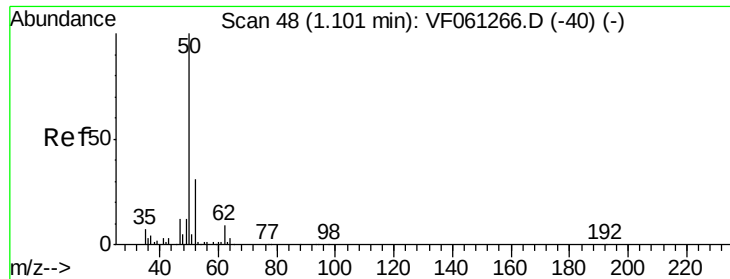
4000

2000

0

Time-->





#3

Chloromethane

Concen: 6.262 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18266

Ion Ratio Lower Upper

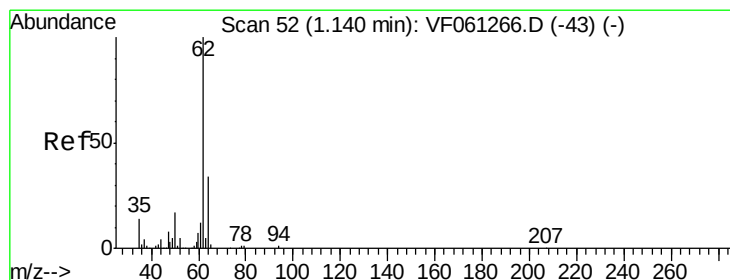
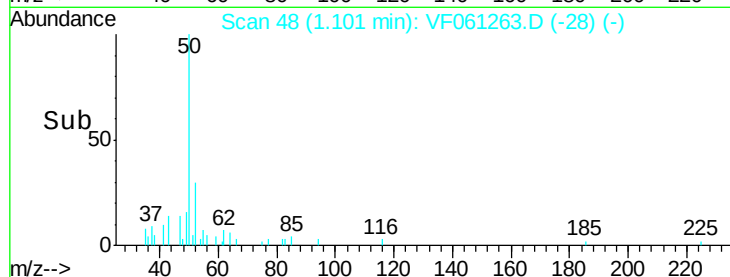
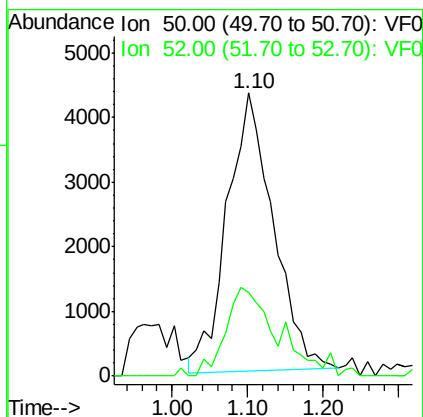
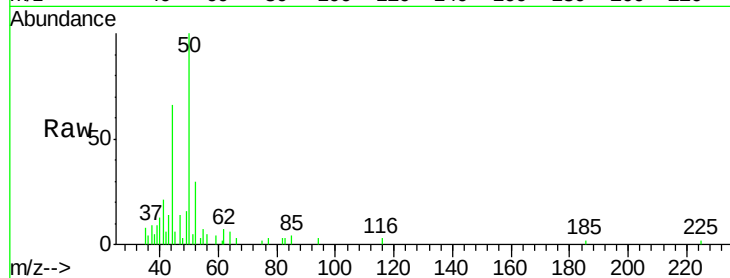
50 100

52 29.8 23.4 35.2

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#4

Vinyl Chloride

Concen: 5.699 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061263.D

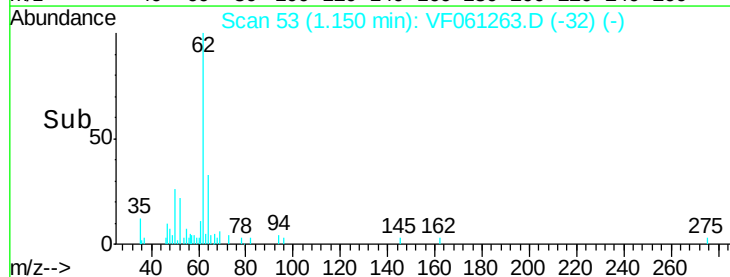
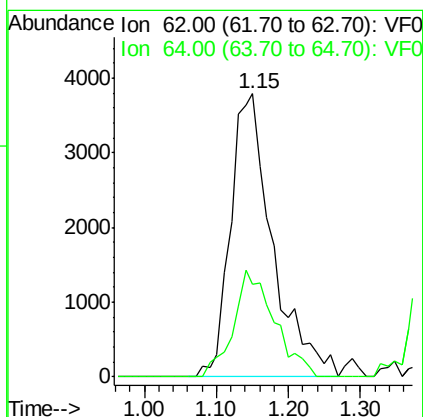
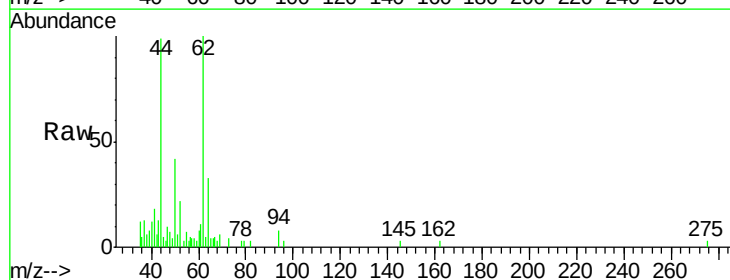
Acq: 3 Jan 2019 13:17

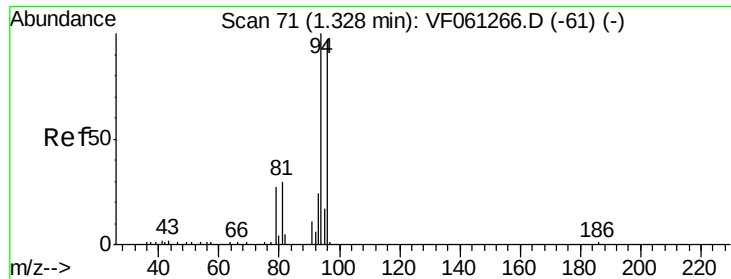
Tgt Ion: 62 Resp: 15376

Ion Ratio Lower Upper

62 100

64 32.5 26.9 40.3





#5

Bromomethane

Concen: 6.511 ug/l m

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tot Ion: 94 Resp: 12140

Ion Ratio Lower Upper

94 100

96 84.8 77.2 115.8

Instrument :

MSVOA_F

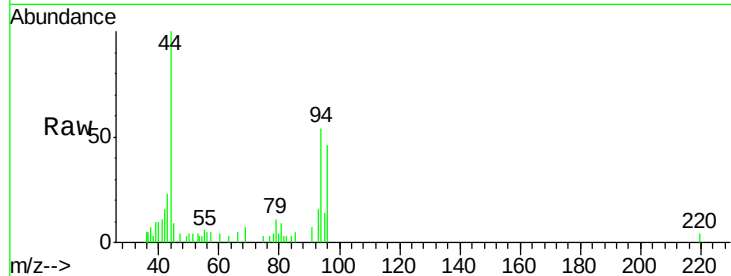
ClientSampleId :

VSTDIC005

Manual Integrations
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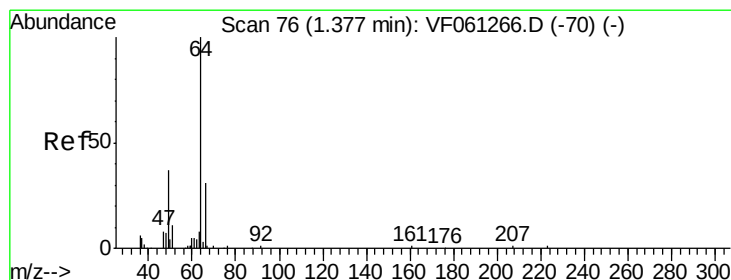
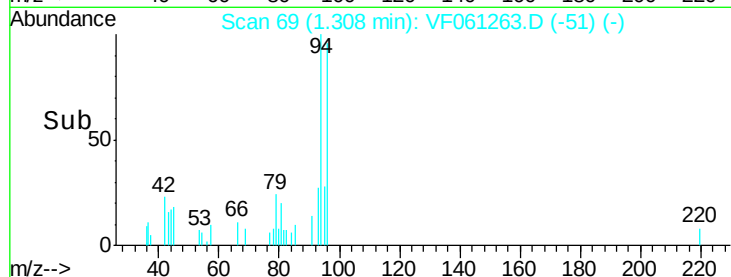
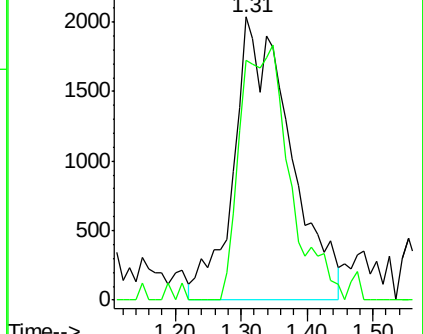
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 5.723 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.02 min

Lab File: VF061263.D

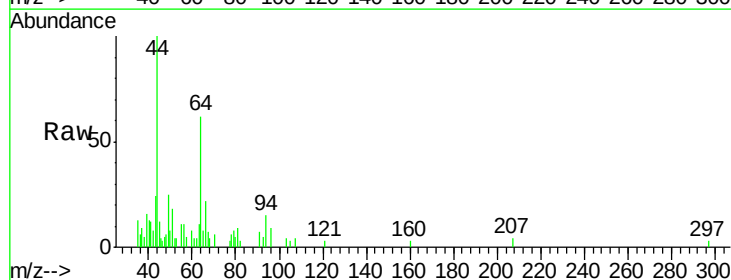
Acq: 3 Jan 2019 13:17

Tgt Ion: 64 Resp: 7073

Ion Ratio Lower Upper

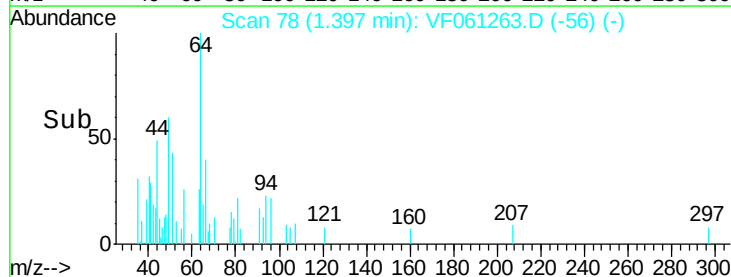
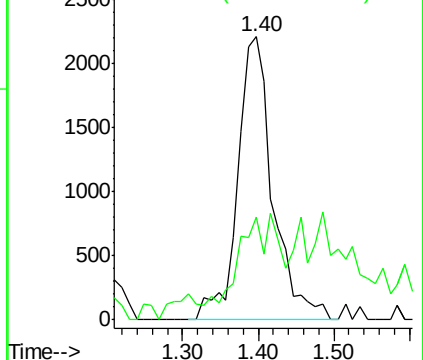
64 100

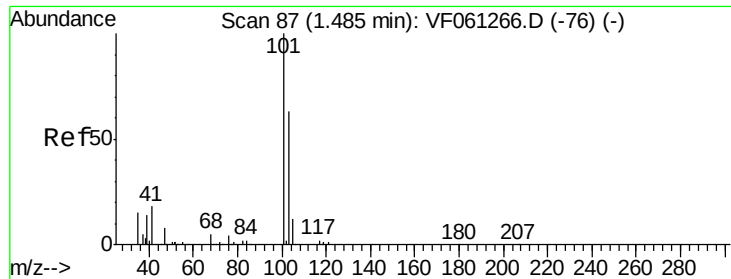
66 36.4 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

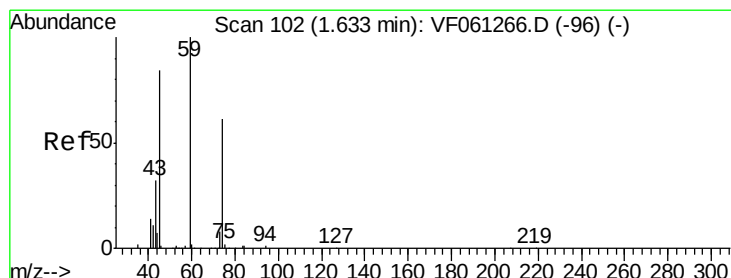
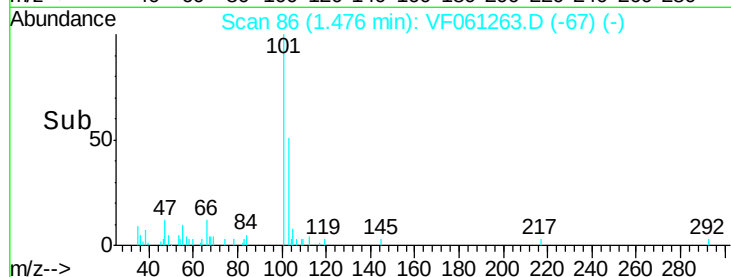
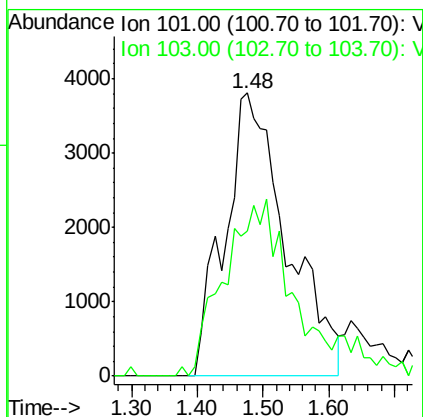
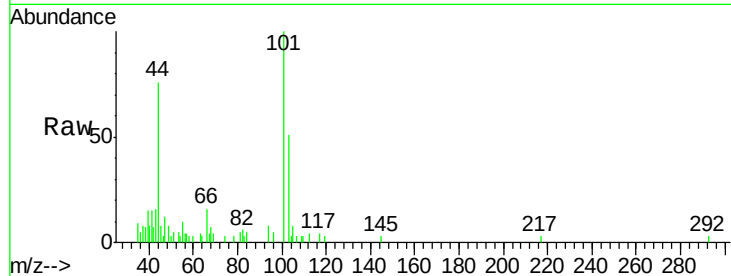
Trichlorofluoromethane
Concen: 4.933 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

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MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	51.3	50.3	75.5

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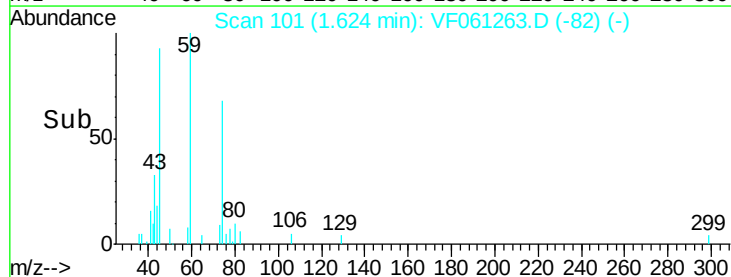
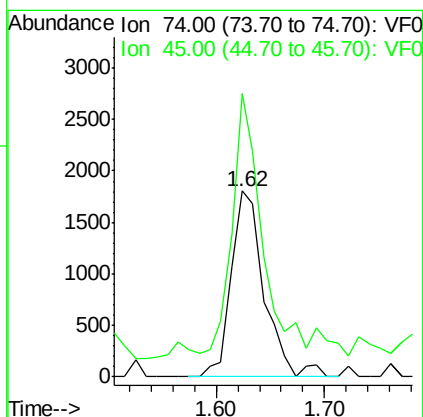
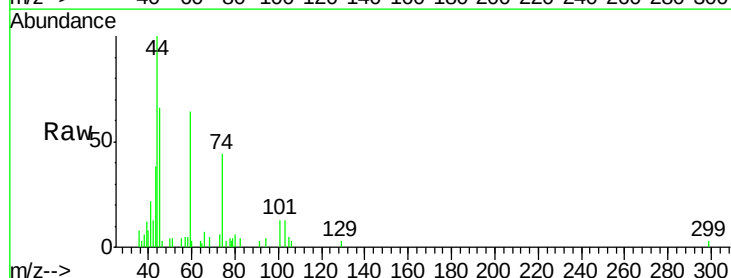
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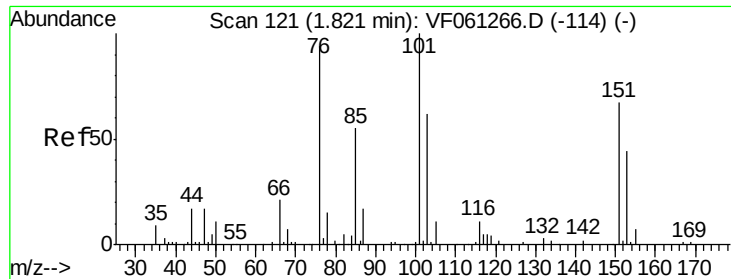


#8

Diethyl Ether
Concen: 5.563 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	152.6	69.0	207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.323 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

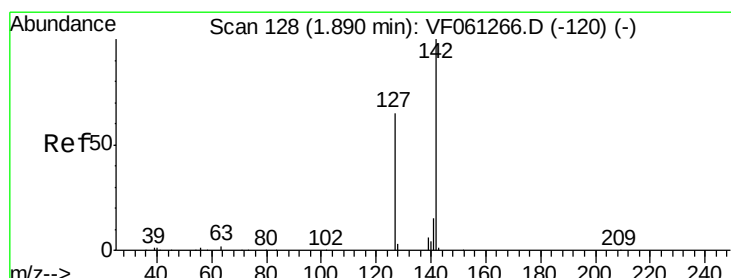
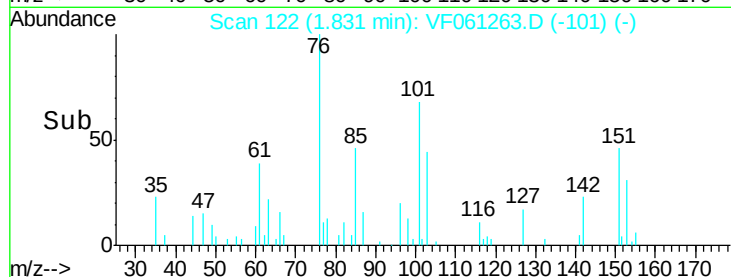
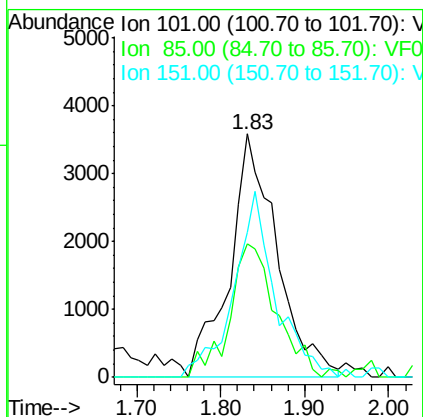
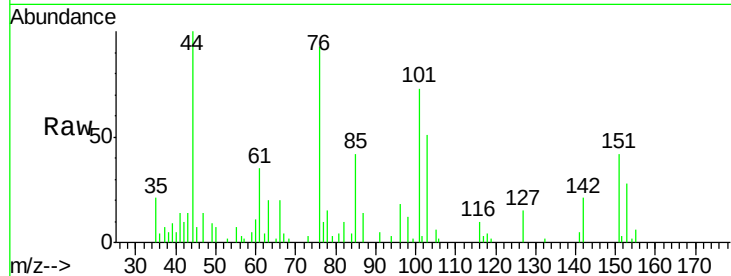
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14118
Ion Ratio	Lower	Upper	
101	100		
85	55.1	42.9	64.3
151	59.4	52.4	78.6

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#10

Methyl Iodide

Concen: 5.127 ug/l m

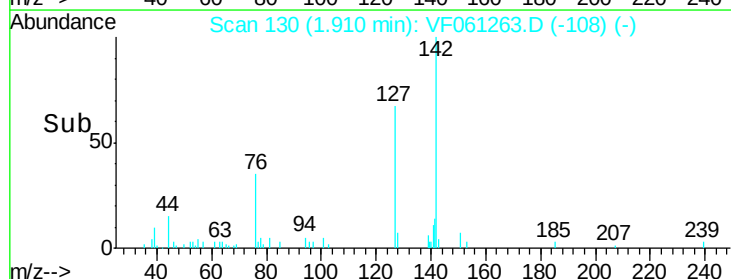
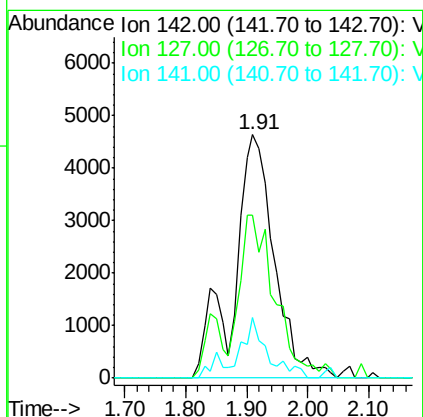
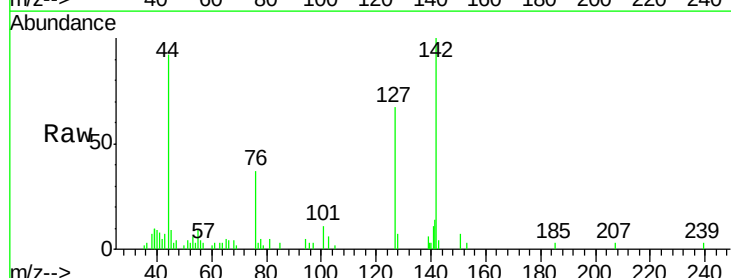
RT: 1.91 min Scan# 130

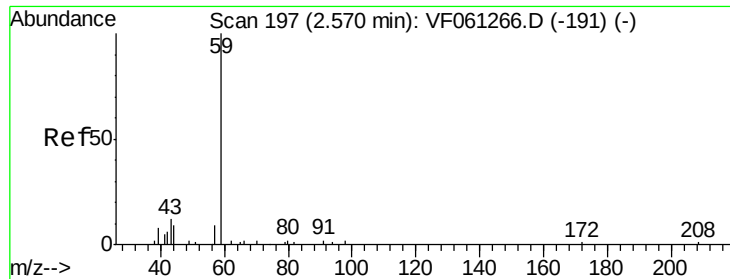
Delta R.T. 0.02 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion:	142	Resp:	21327
Ion Ratio	Lower	Upper	
142	100		
127	66.8	52.3	78.5
141	14.1	12.2	18.4





#11

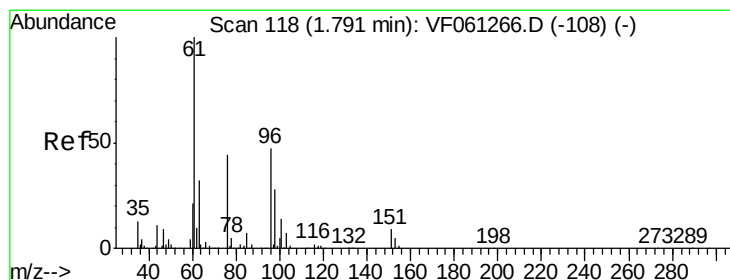
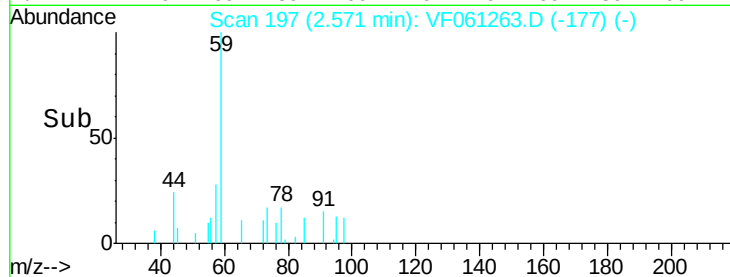
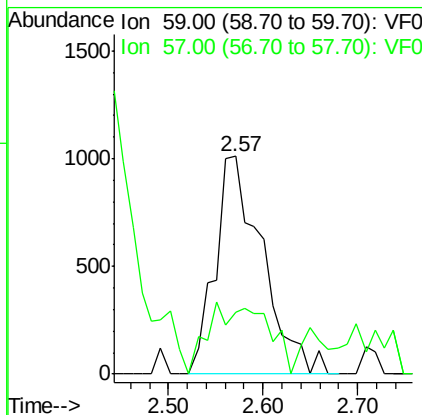
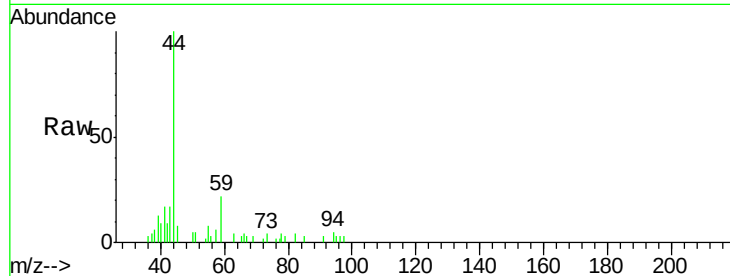
Tert butyl alcohol
Concen: 30.360 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	59	Resp	3497
Ion Ratio	100	Lower	Upper
57	28.2	12.6	18.8#

Manual Integrations
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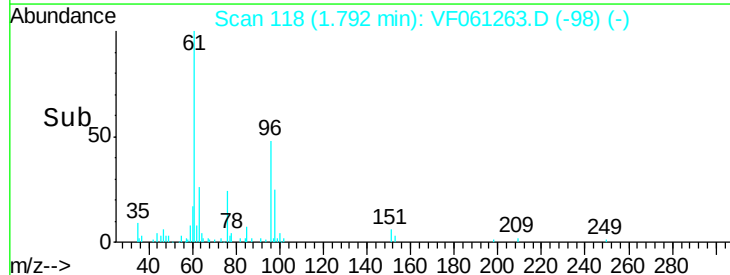
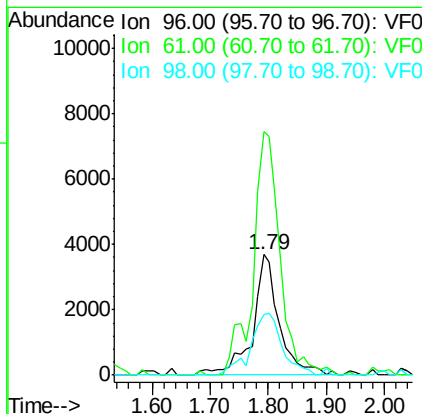
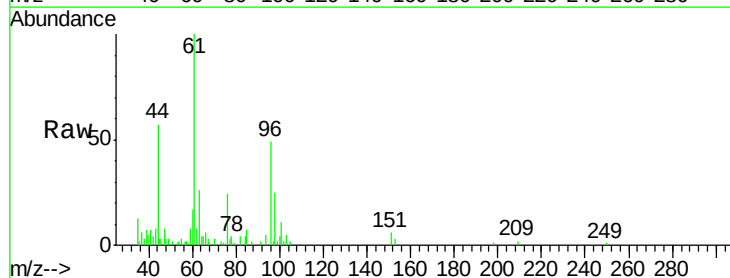
apatel
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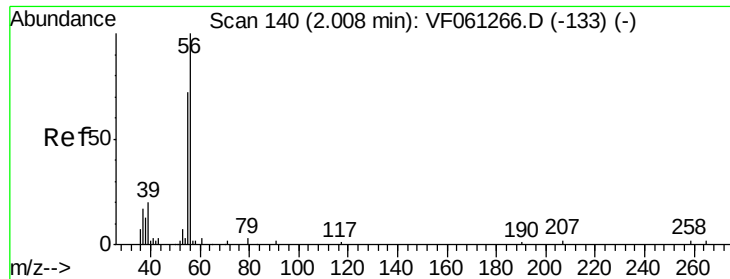


#12

1,1-Dichloroethene
Concen: 5.944 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	96	Resp	11817
Ion Ratio	100	Lower	Upper
61	202.0	171.6	257.4
98	50.2	48.6	72.8





#13

Acrolein

Concen: 41.711 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3604

Ion Ratio Lower Upper

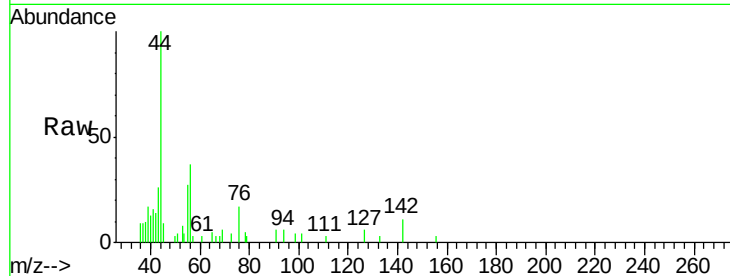
56 100

55 72.5 59.7 89.5

Manual Integrations
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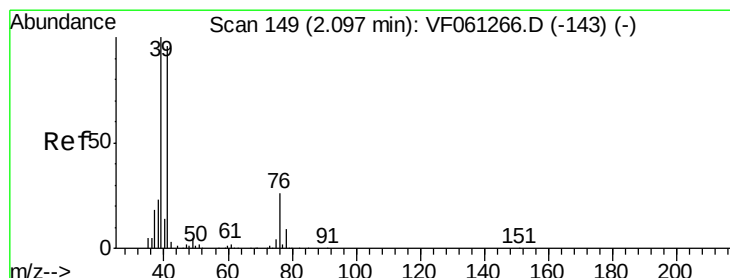
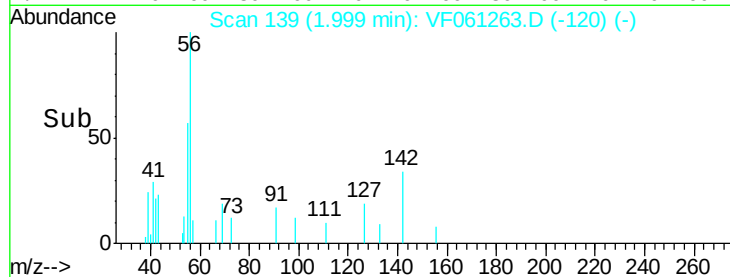
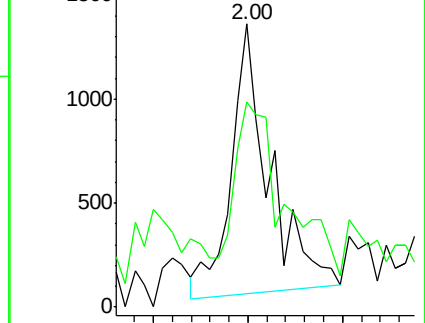
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 5.959 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

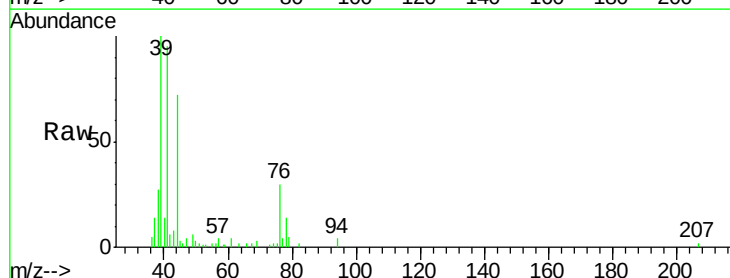
Tgt Ion: 41 Resp: 13516

Ion Ratio Lower Upper

41 100

39 105.4 83.4 125.2

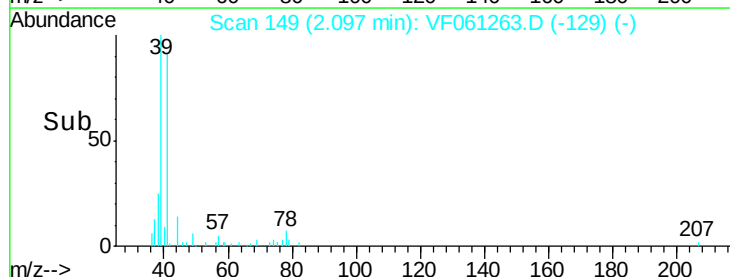
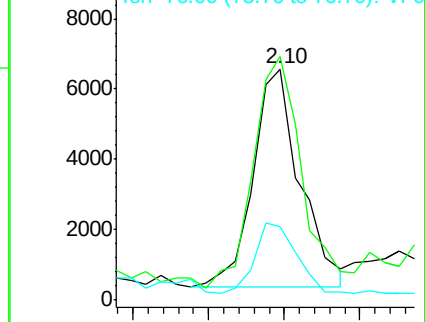
76 31.7 23.9 35.9

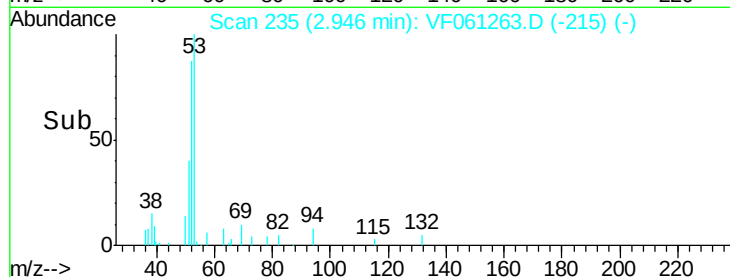
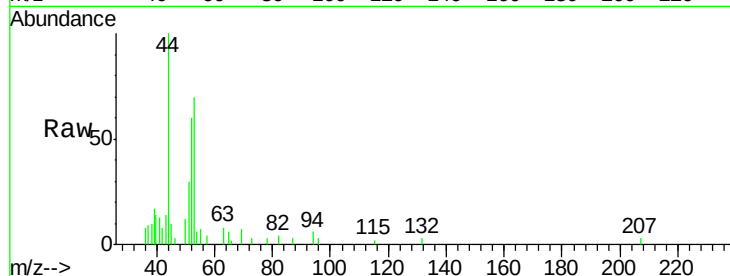
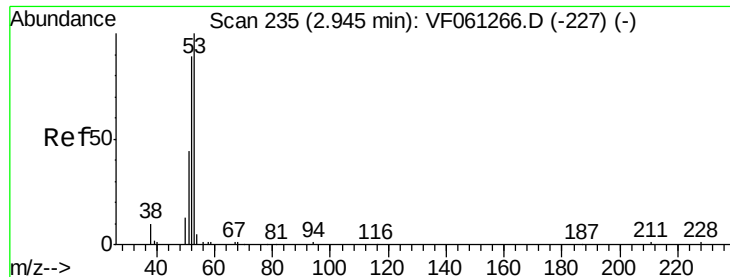


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





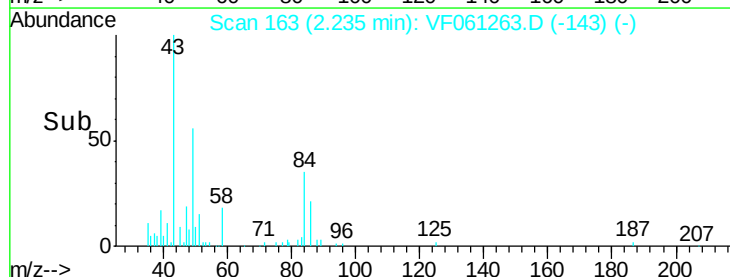
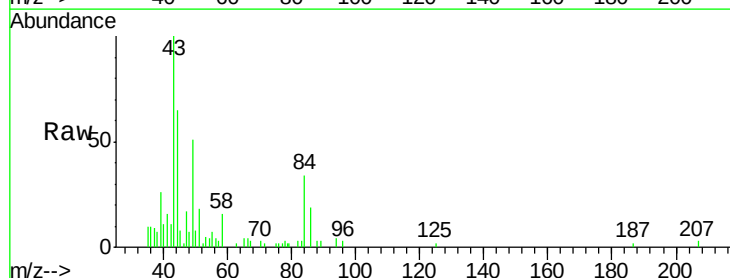
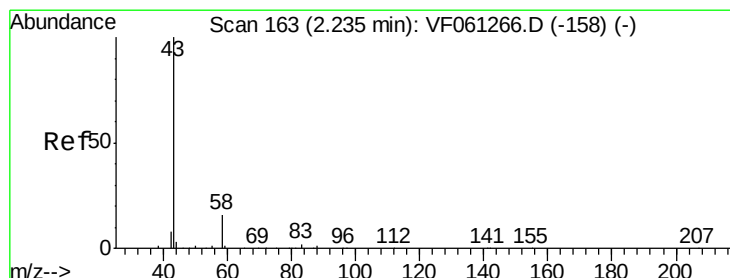
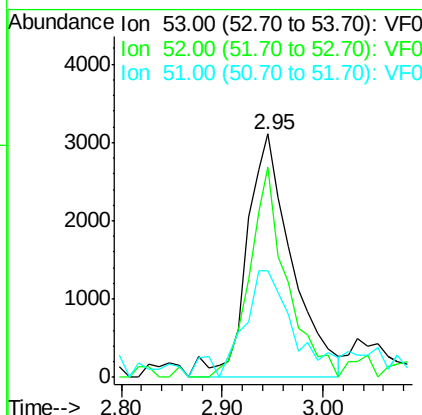
#15
Acrylonitrile
Concen: 35.425 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tot Ion	53	Ratio	100	Resp:	9636
Ion	53	Ratio	100	Lower	Upper
	52	86.6		71.3	106.9
	51	43.6		36.2	54.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

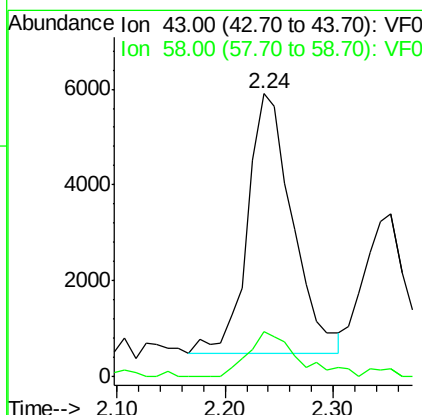
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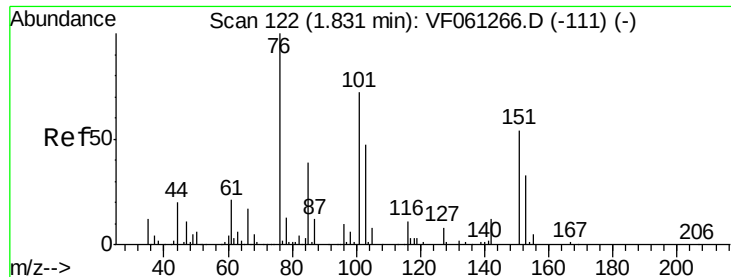
apatel
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#16
Acetone
Concen: 28.652 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	43	Ratio	100	Resp:	15736
Ion	43	Ratio	100	Lower	Upper
	58	16.0		13.0	19.4





#17

Carbon Disulfide

Concen: 5.680 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 34611

Ion Ratio Lower Upper

76 100

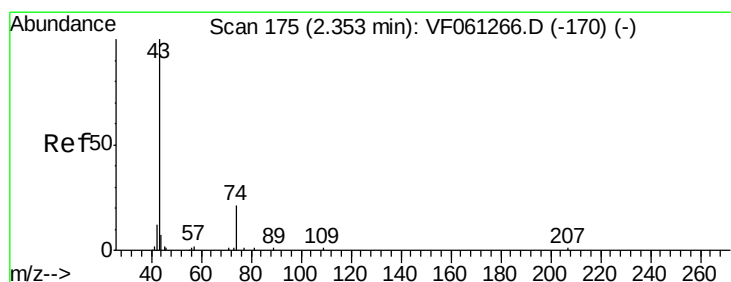
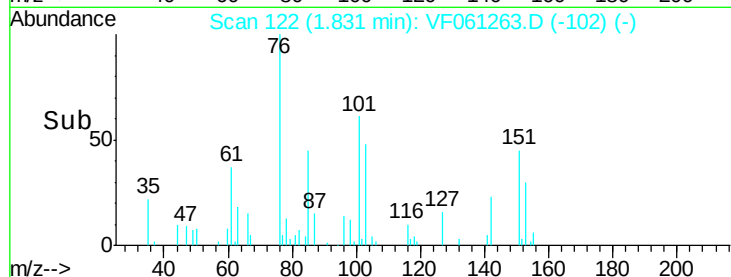
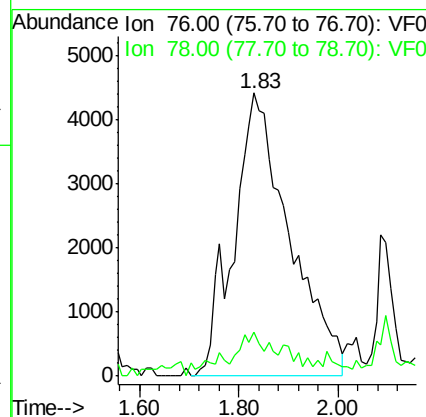
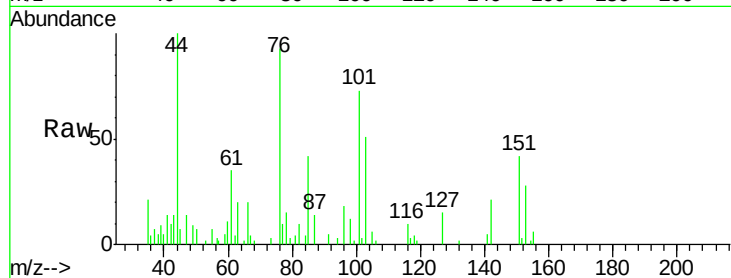
78 15.7 10.2 15.4#

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#18

Methyl Acetate

Concen: 5.799 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF061263.D

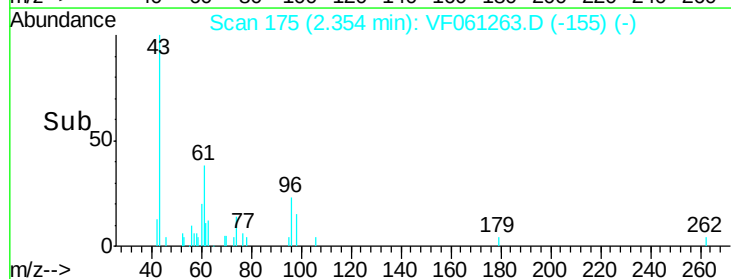
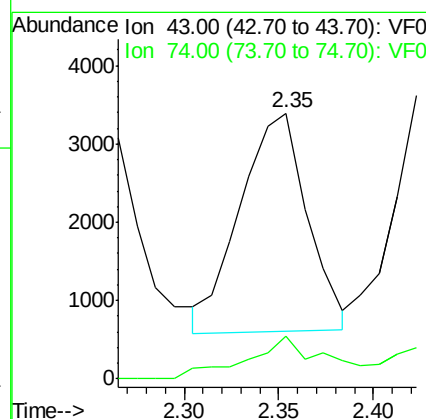
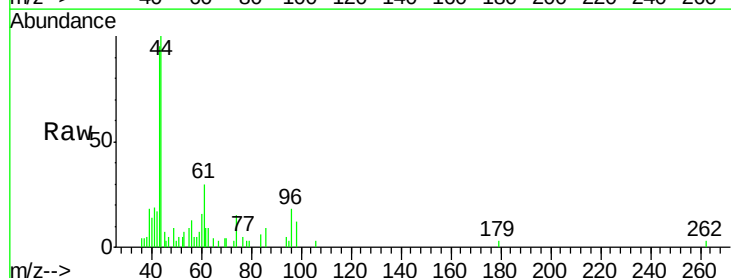
Acq: 3 Jan 2019 13:17

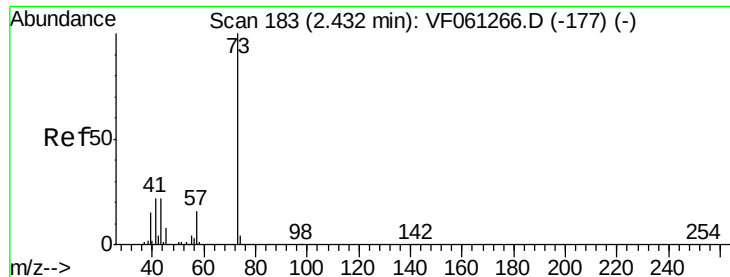
Tgt Ion: 43 Resp: 6928

Ion Ratio Lower Upper

43 100

74 16.3 14.4 21.6





#19

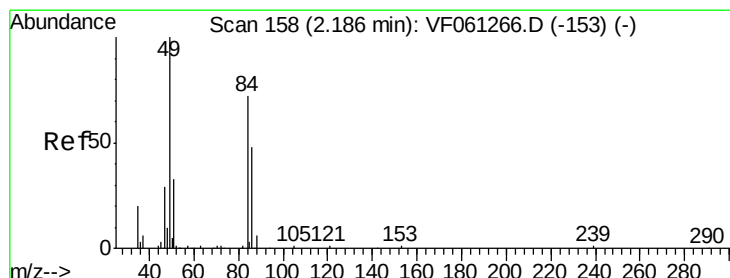
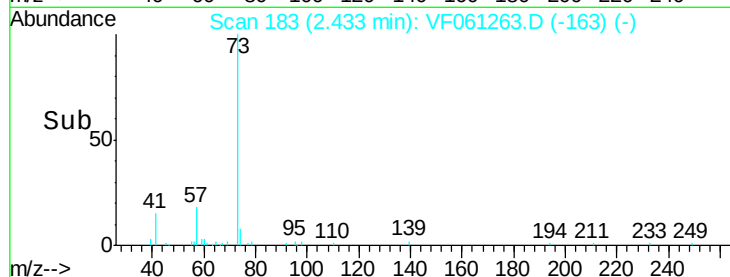
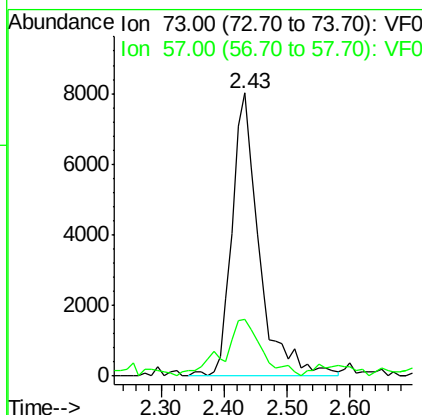
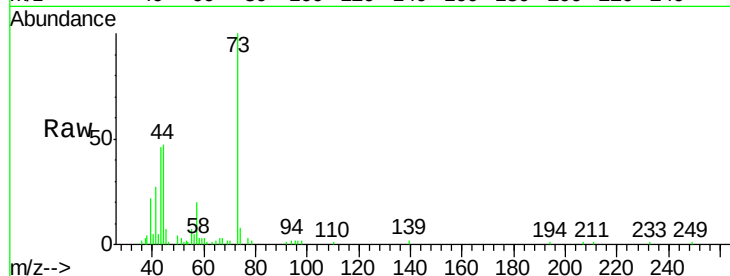
Methyl tert-butyl Ether
 Concen: 5.474 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	73	Resp	23781
Ion Ratio	Lower	Upper	
73	100		
57	20.0	14.0	21.0

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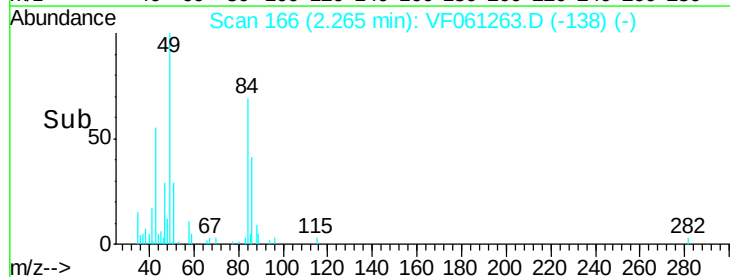
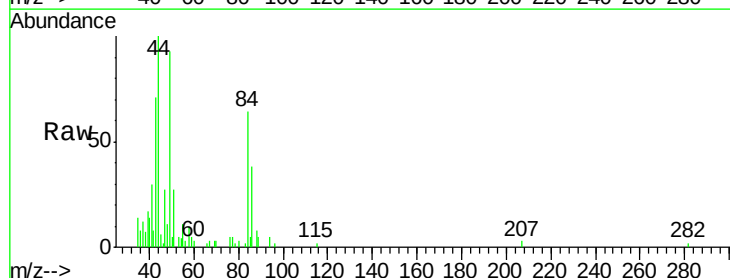
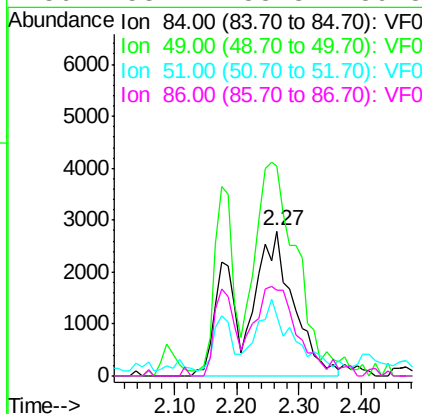
apatel
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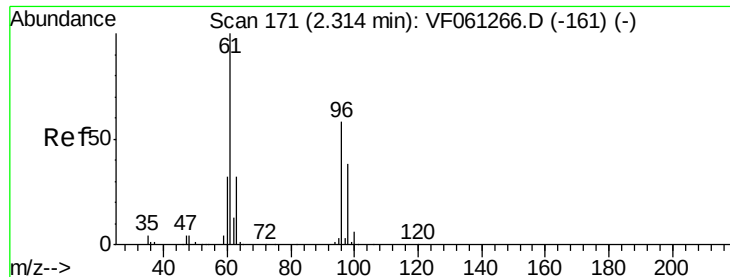


#20

Methylene Chloride
 Concen: 7.465 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.08 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Tgt Ion	84	Resp	16352
Ion Ratio	Lower	Upper	
84	100		
49	144.8	112.9	169.3
51	41.4	37.9	56.9
86	58.7	53.8	80.8





#21

trans-1,2-Dichloroethene

Concen: 5.673 ug/l m

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 12266

Ion Ratio Lower Upper

96 100

61 168.0 139.3 208.9

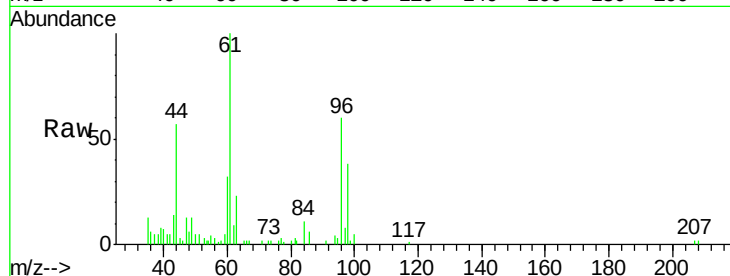
98 63.8 52.6 78.8

Manual Integrations

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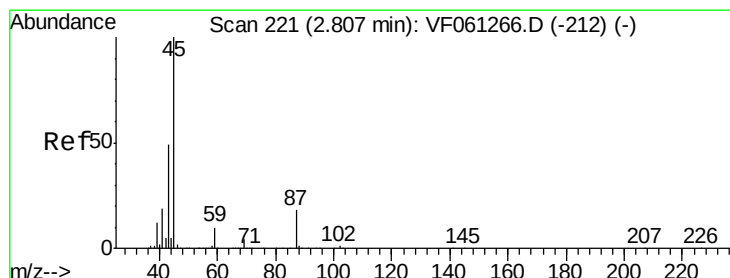
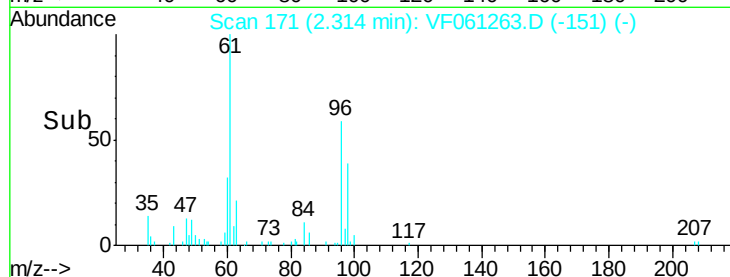
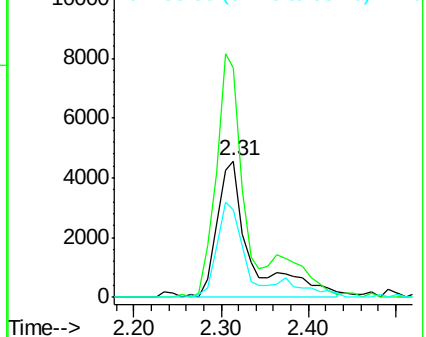
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Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 5.822 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion: 45 Resp: 40435

Ion Ratio Lower Upper

45 100

43 55.0 39.5 59.3

87 16.7 14.8 22.2

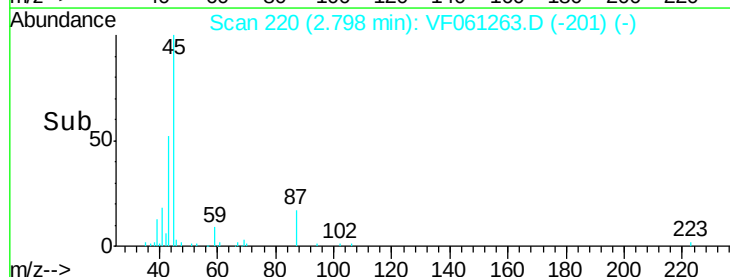
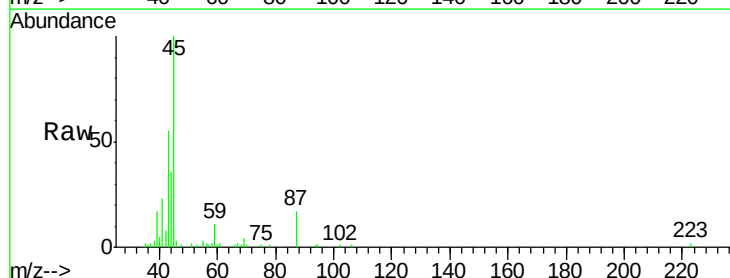
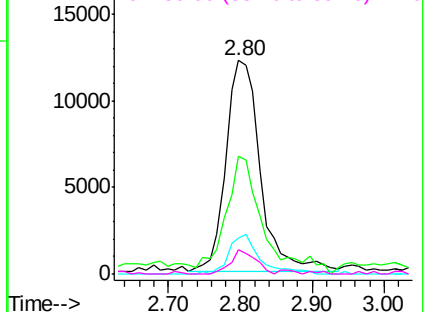
59 11.1 7.8 11.8

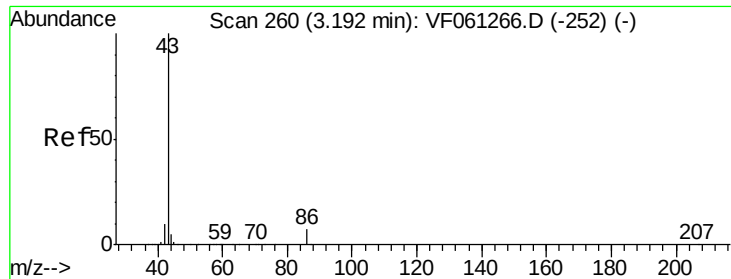
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 28.497 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 90330

Ion Ratio Lower Upper

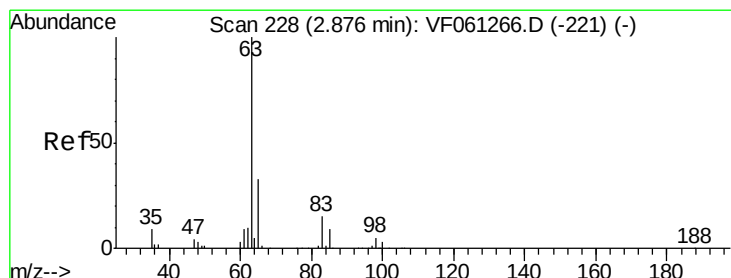
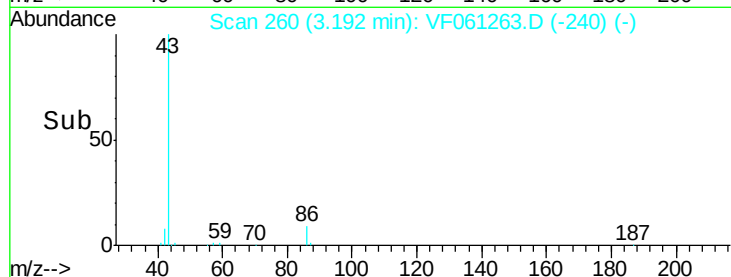
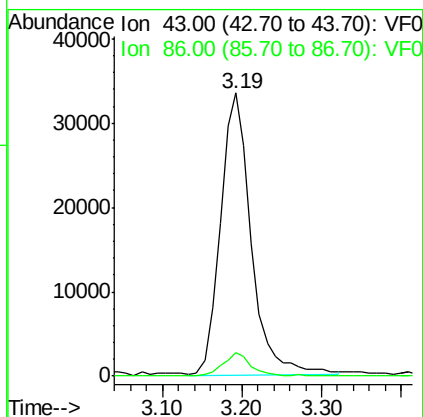
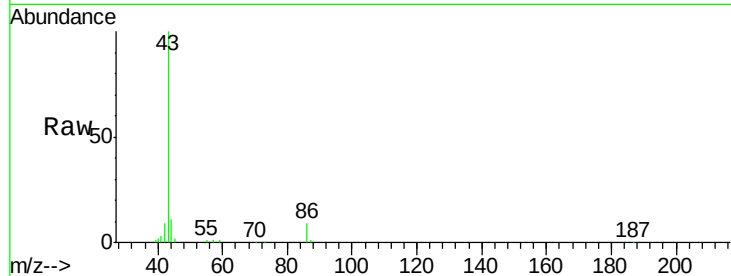
43 100

86 8.5 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 5.662 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

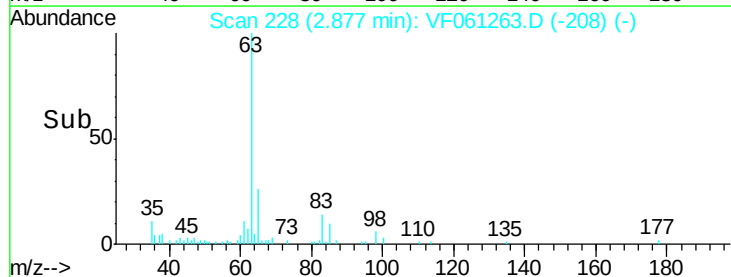
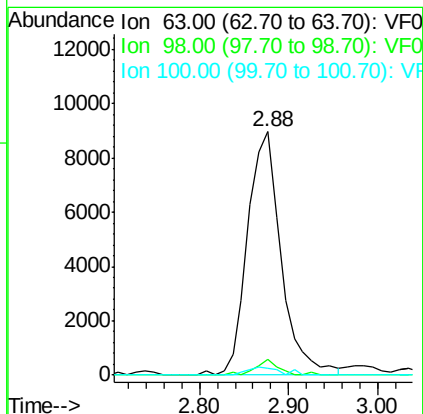
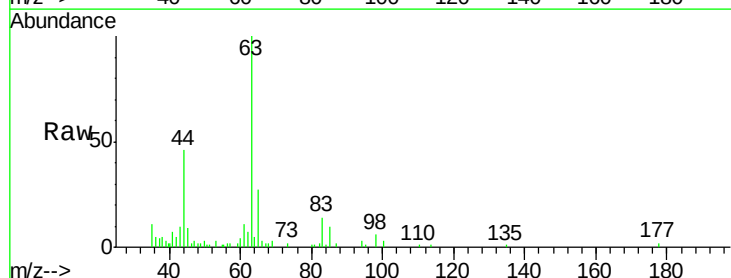
Tgt Ion: 63 Resp: 23380

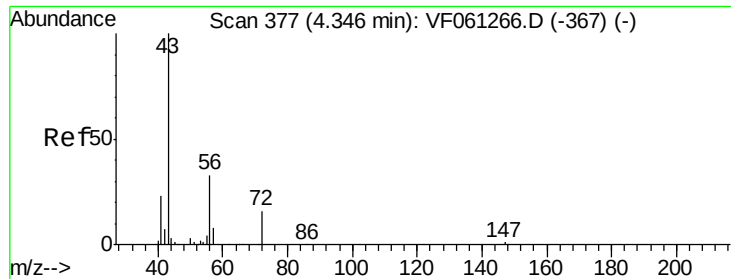
Ion Ratio Lower Upper

63 100

98 6.2 2.5 7.5

100 3.0 1.6 4.8





#25

2-Butanone

Concen: 33.460 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 31264

Ion Ratio Lower Upper

43 100

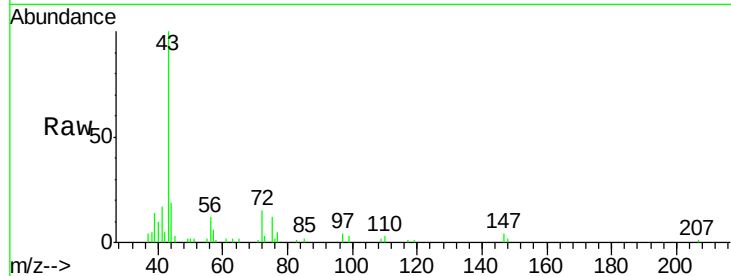
72 15.5 13.0 19.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.34

8000

6000

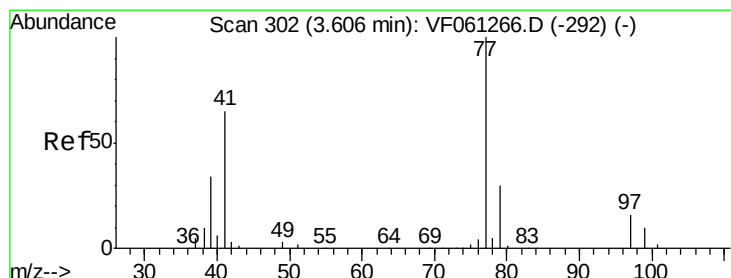
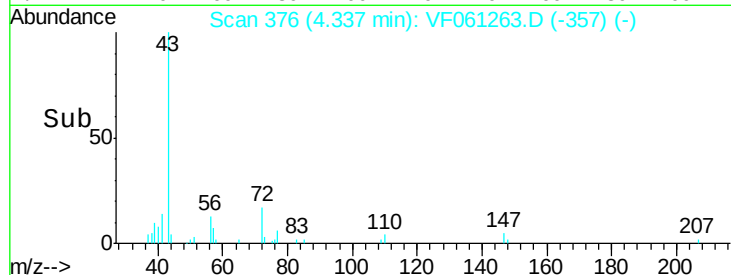
4000

2000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 5.527 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.00 min

Lab File: VF061263.D

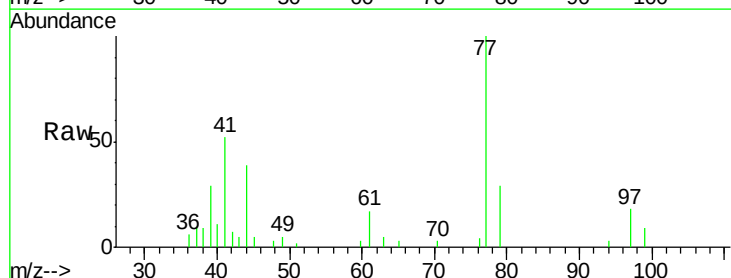
Acq: 3 Jan 2019 13:17

Tgt Ion: 77 Resp: 13186

Ion Ratio Lower Upper

77 100

97 17.8 8.9 26.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.61

5000

4000

3000

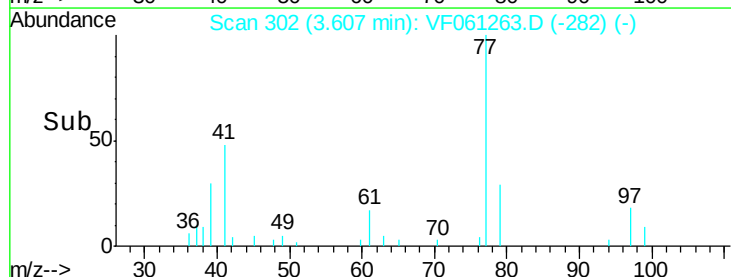
2000

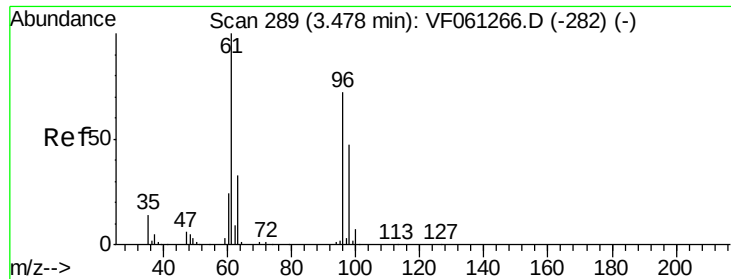
1000

0

3.50 3.60 3.70

Time-->





#27

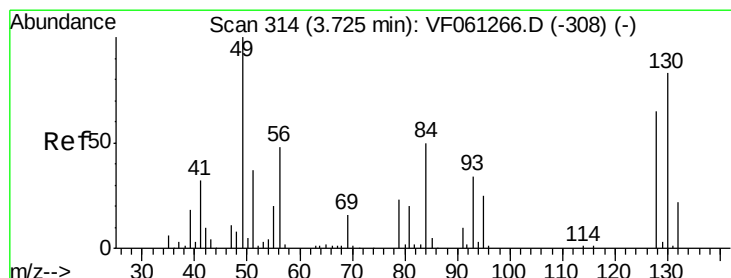
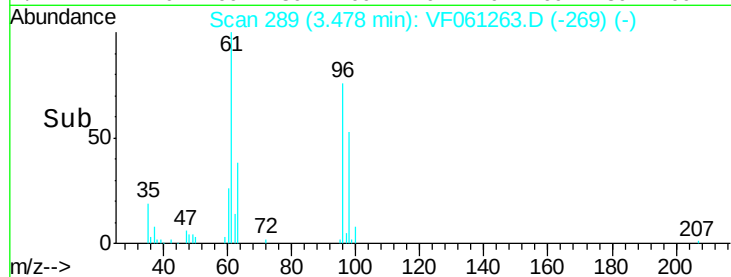
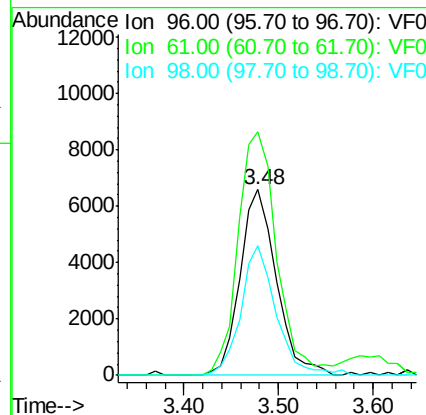
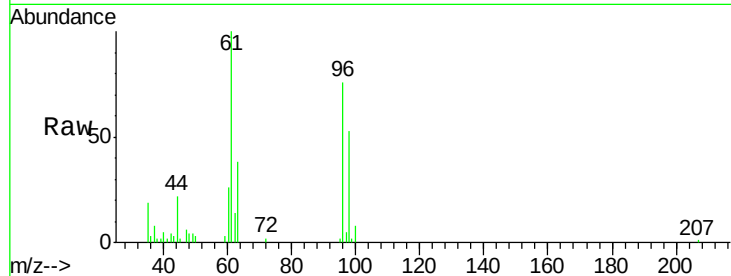
cis-1,2-Dichloroethene
Concen: 5.379 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	277.8
98	70.0	0.0	130.8

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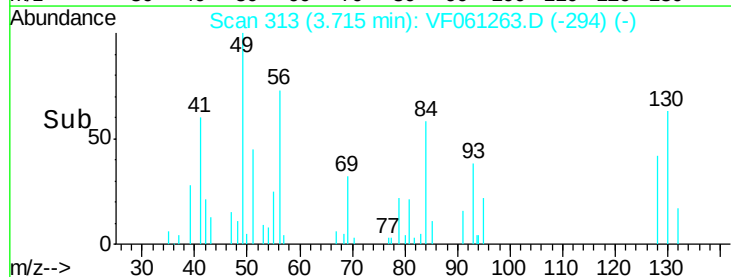
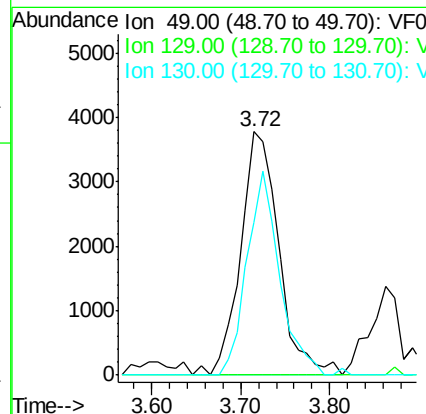
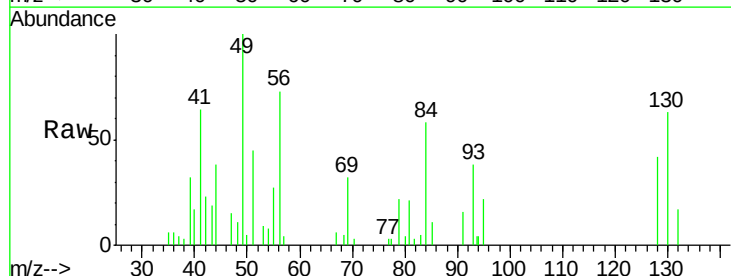
apatel
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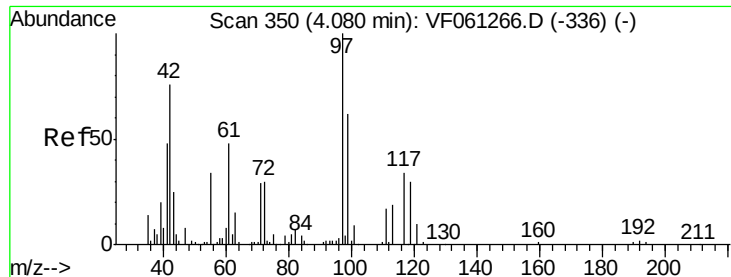


#28

Bromochloromethane
Concen: 5.497 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	62.8	65.7	98.5#





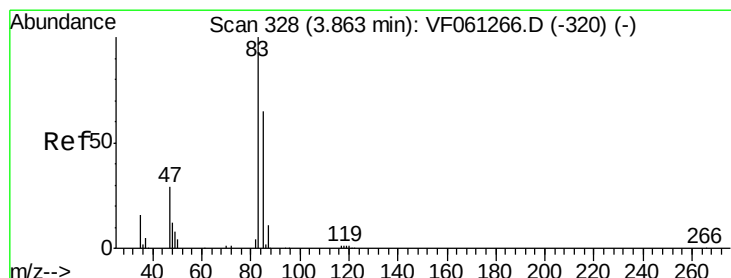
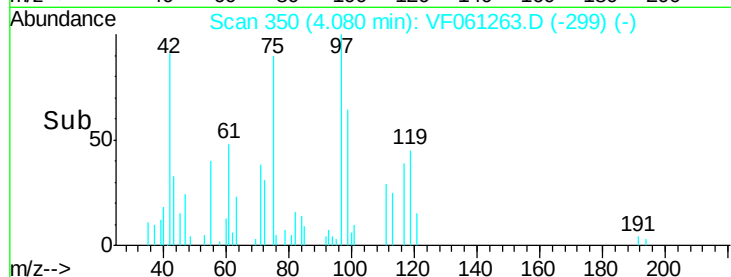
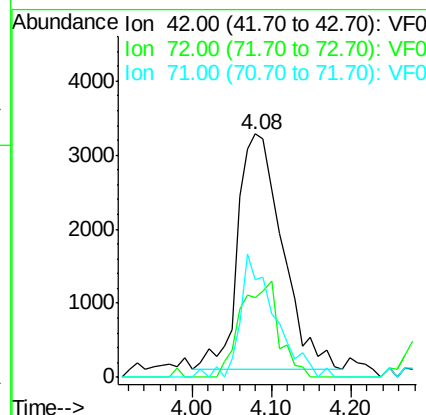
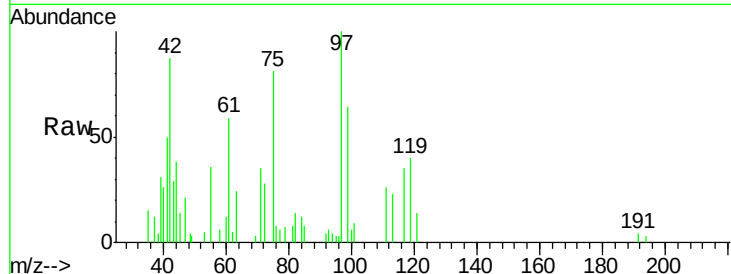
#29
Tetrahydrofuran
Concen: 32.489 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.2	43.8#
71	40.2	29.1	43.7

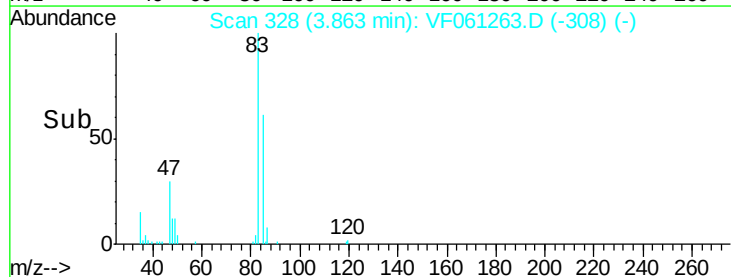
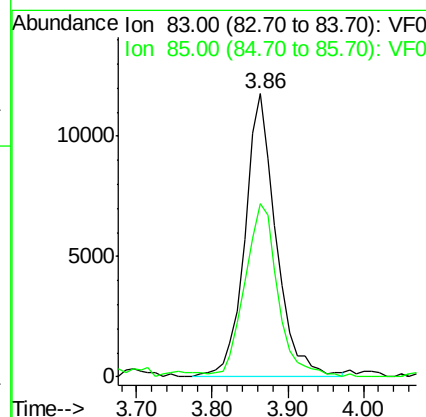
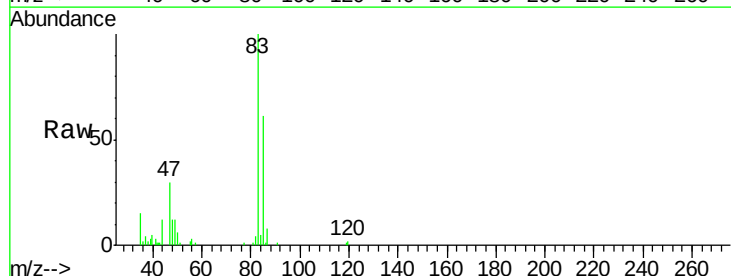
Manual Integrations
APPROVED

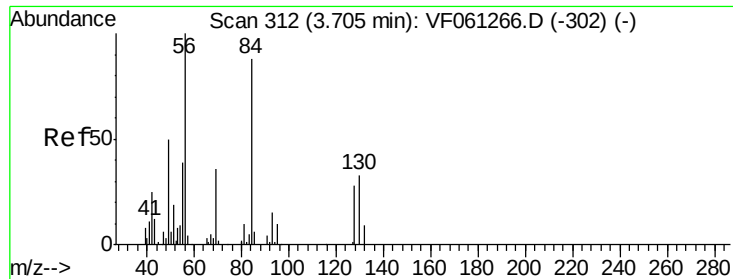
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#30
Chloroform
Concen: 5.508 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.4





#31

Cyclohexane

Concen: 5.737 ug/l m

RT: 3.70 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

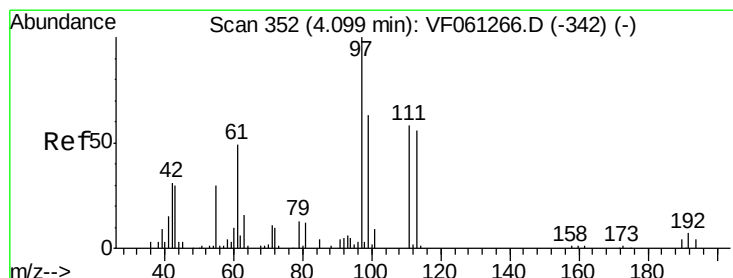
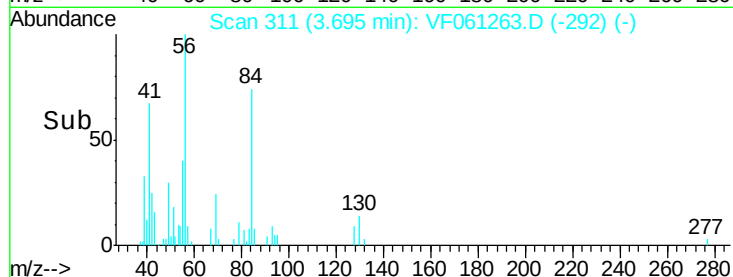
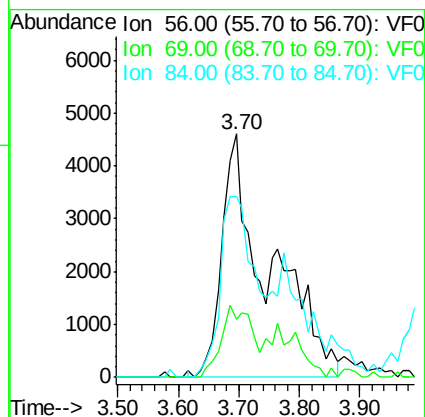
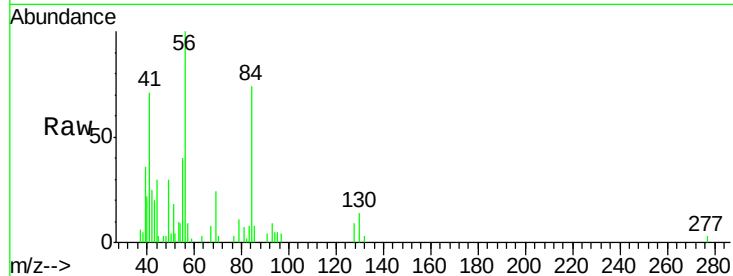
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	24815
Ion	Ratio	Lower	Upper
56	100		
69	23.9	28.7	43.1#
84	74.3	70.6	106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.895 ug/l

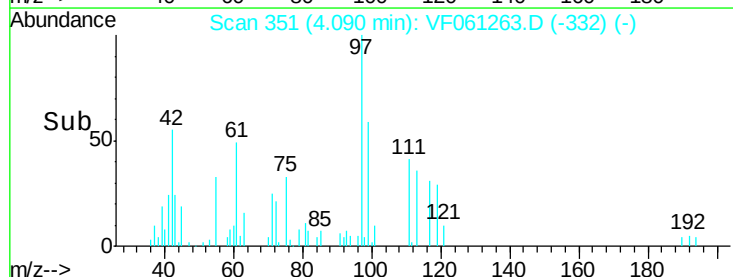
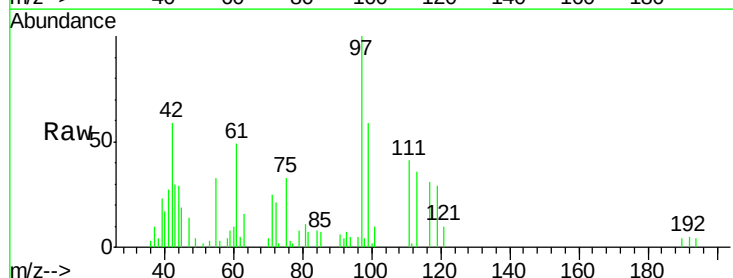
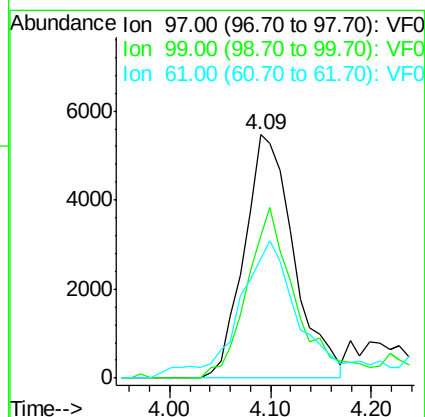
RT: 4.09 min Scan# 351

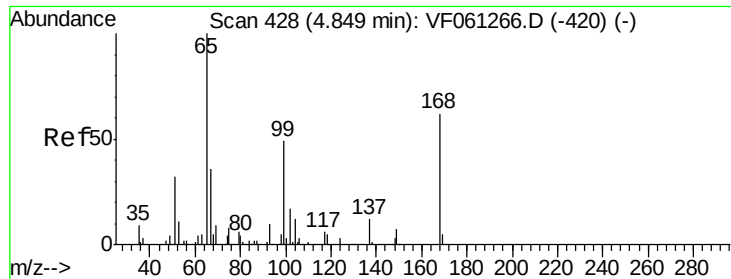
Delta R.T. -0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion:	97	Resp:	18667
Ion	Ratio	Lower	Upper
97	100		
99	58.5	50.6	76.0
61	49.1	39.6	59.4





#33

1,2-Dichloroethane-d4

Concen: 5.008 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 14443

Ion Ratio Lower Upper

65 100

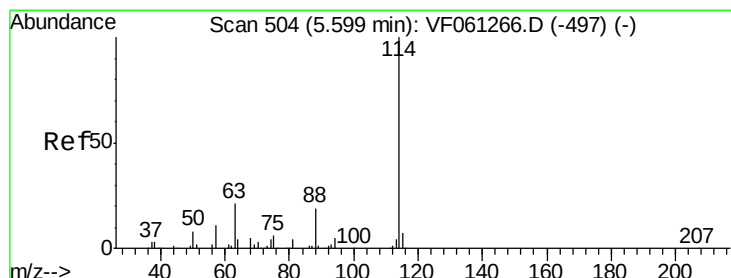
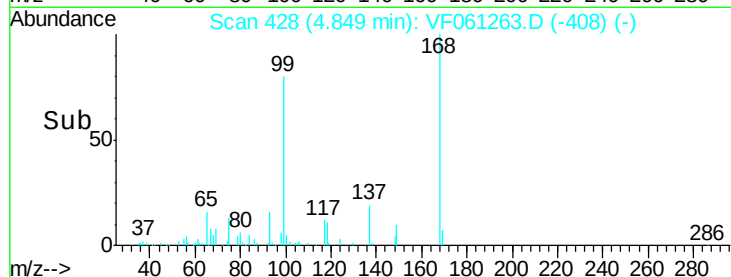
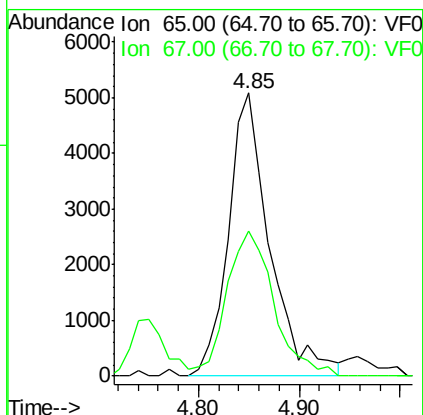
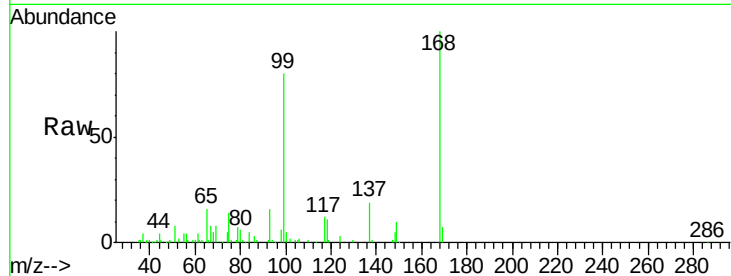
67 51.1 0.0 90.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

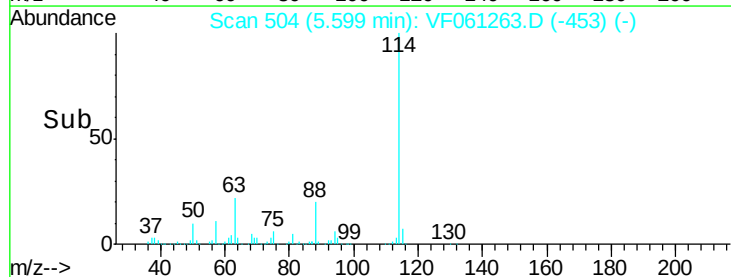
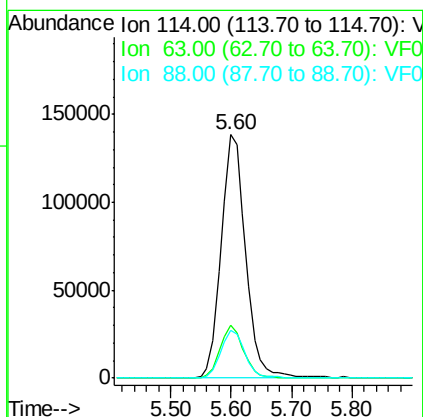
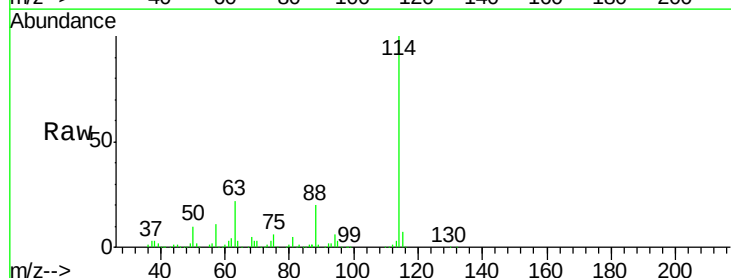
Tgt Ion: 114 Resp: 390630

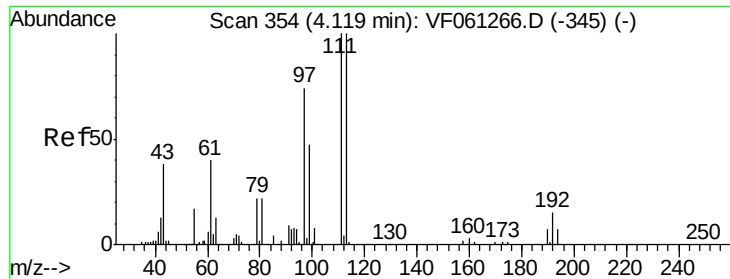
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 19.6 0.0 38.4





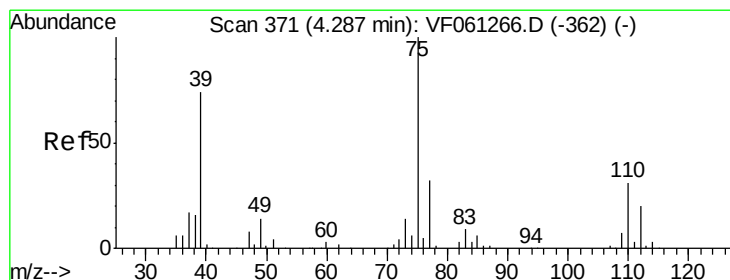
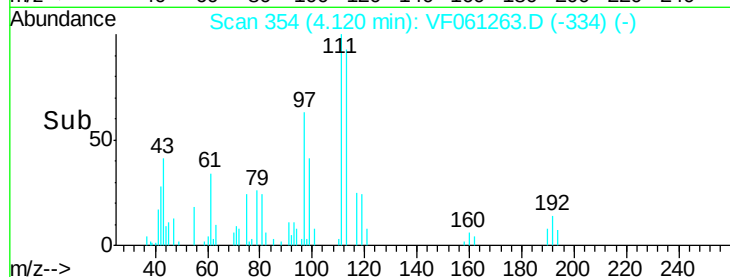
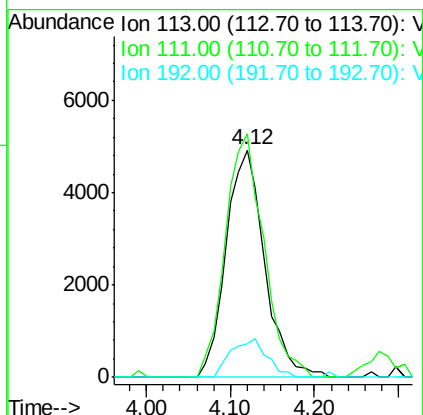
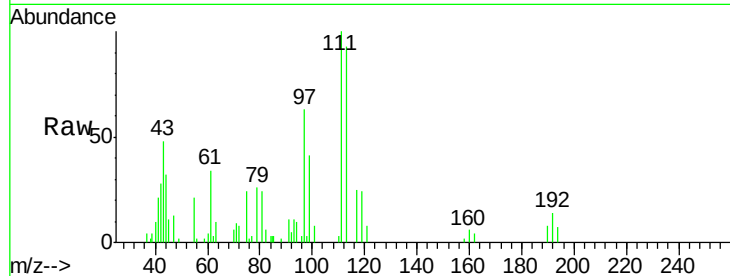
#35
Dibromofluoromethane
Concen: 5.006 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.0	79.8	119.6
192	15.0	11.9	17.9

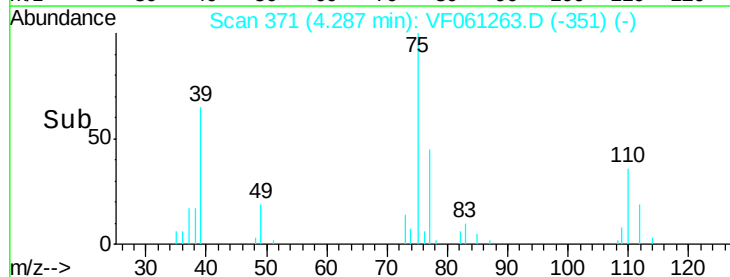
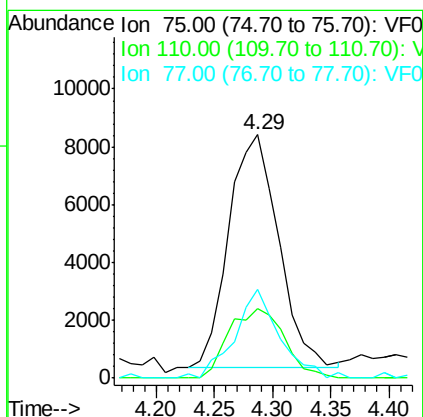
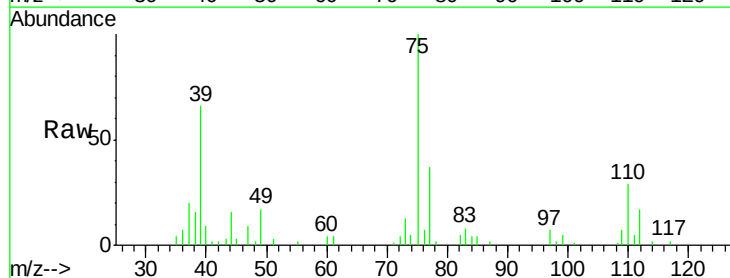
Manual Integrations
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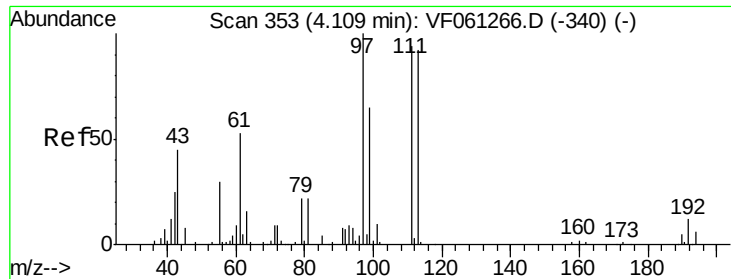
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#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.7	15.4	46.4
77	36.6	25.6	38.4





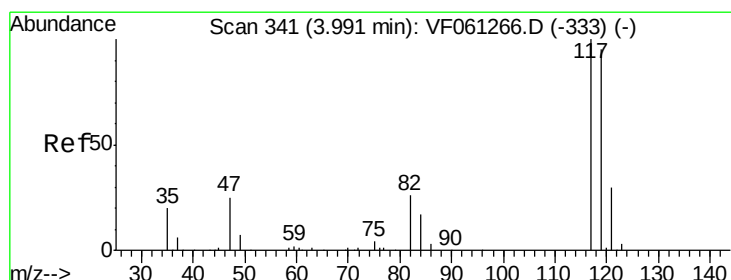
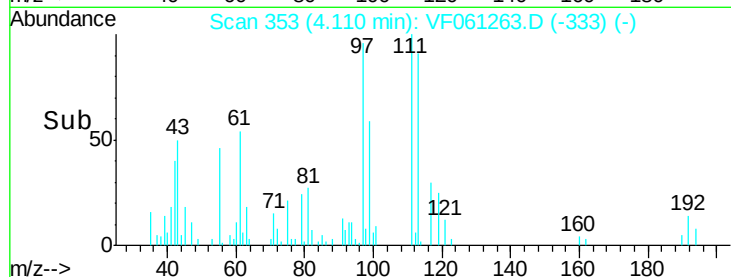
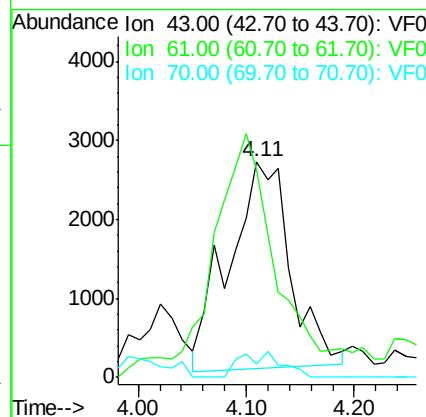
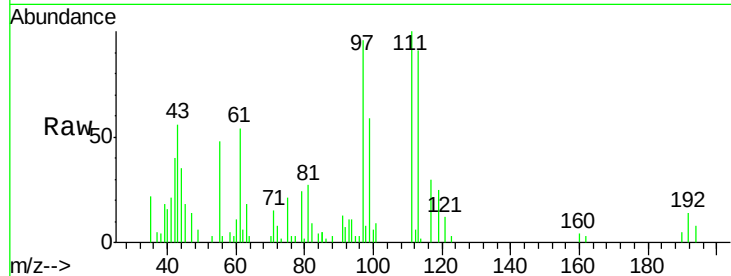
#37
Ethyl Acetate
Concen: 5.458 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70	Ratio	Lower	Upper
10411	100	96.2	6.2			
		91.2	7.1		136.8	10.7#

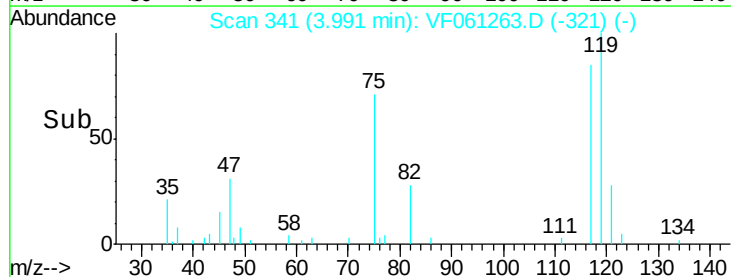
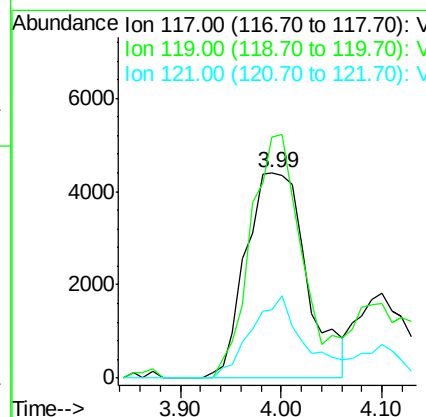
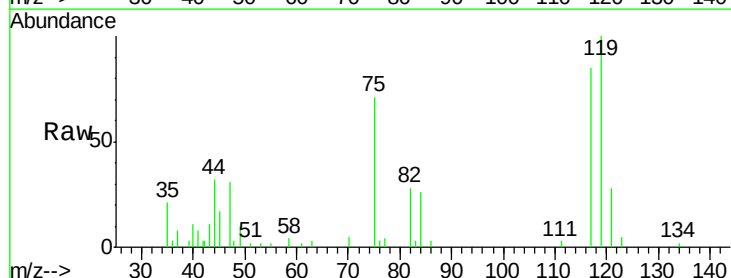
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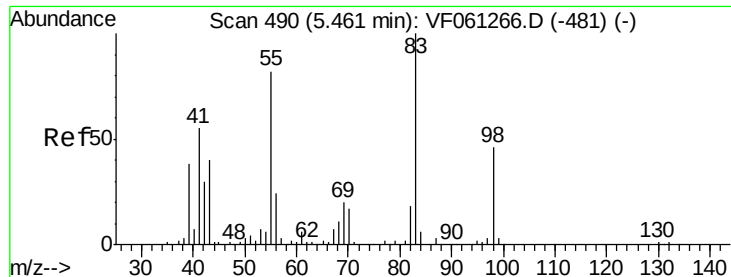
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#38
Carbon Tetrachloride
Concen: 5.089 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	117	119	121	Ratio	Lower	Upper
18543	100	117.3	33.2			
		76.0	23.8		114.0#	35.8





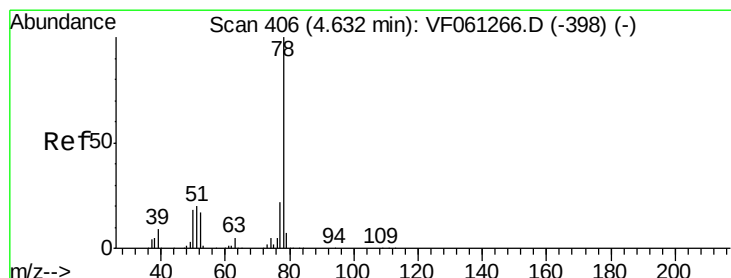
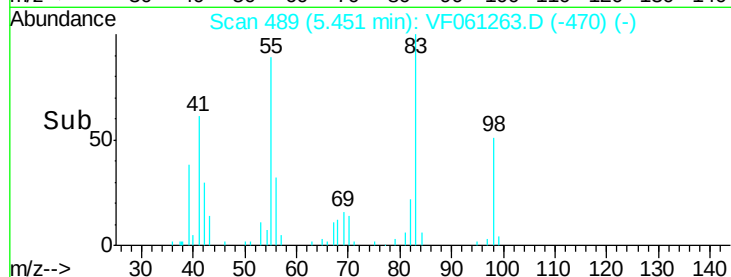
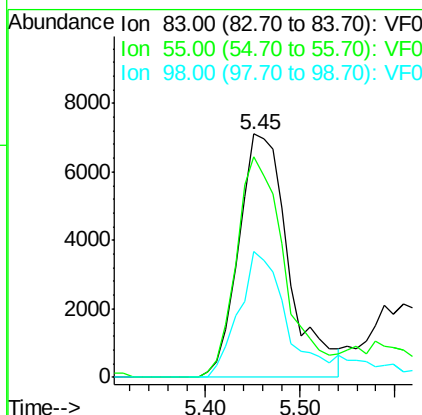
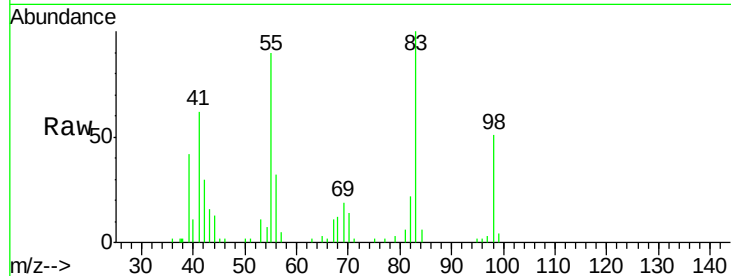
#39
Methylvlcyclohexane
Concen: 6.053 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.4	65.6	98.4
98	51.5	36.7	55.1

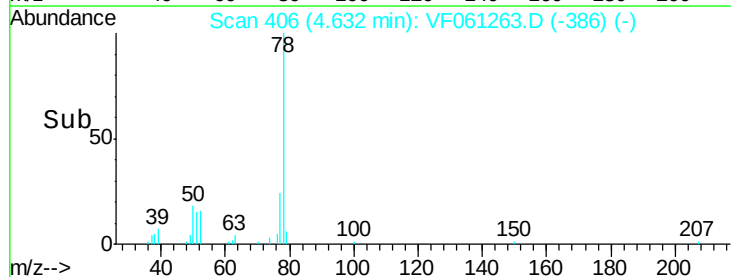
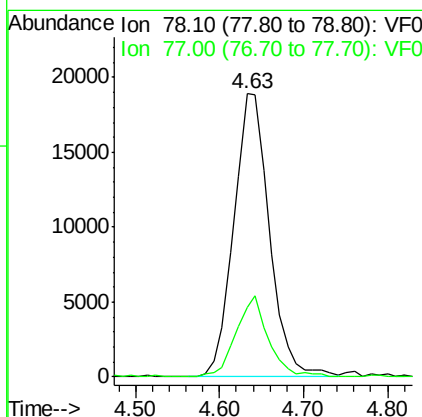
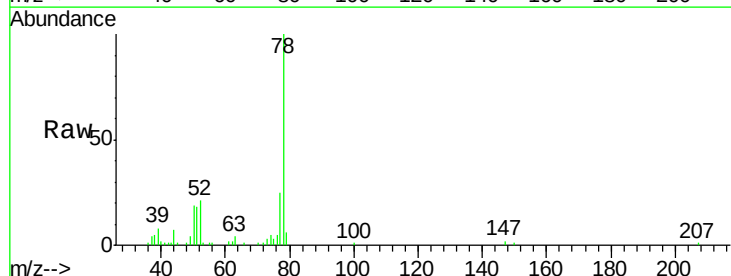
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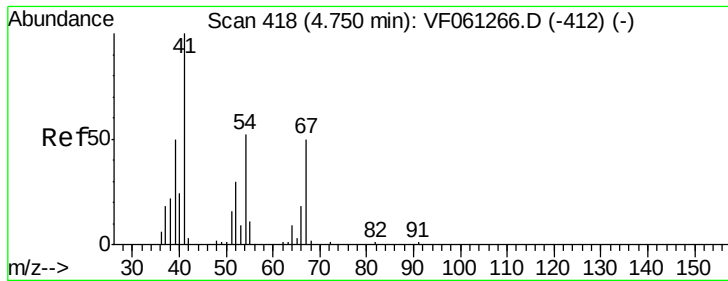
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#40
Benzene
Concen: 5.498 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.0	27.0





#41

Methacrylonitrile

Concen: 6.212 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

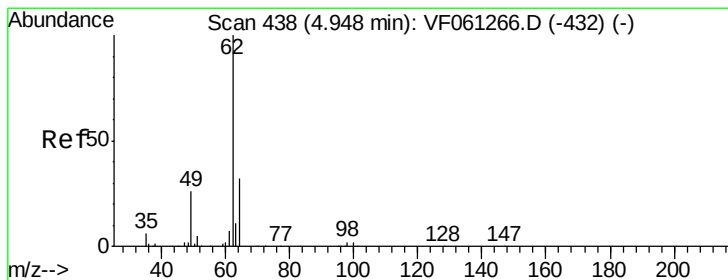
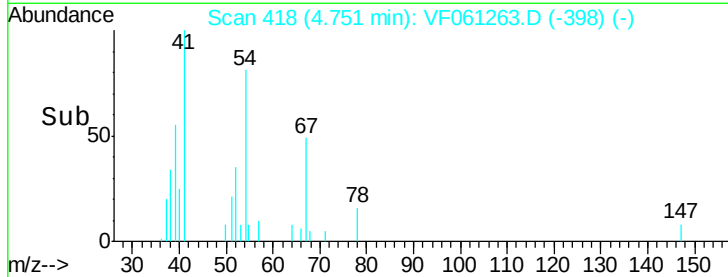
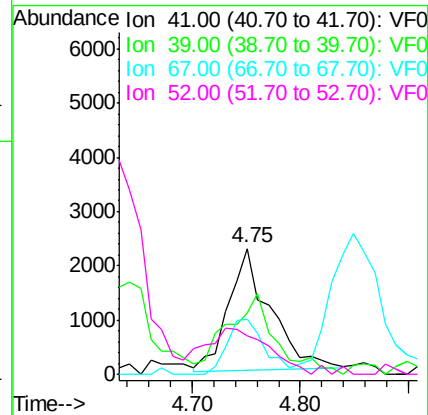
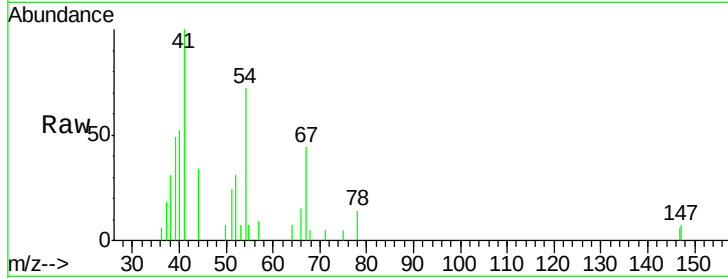
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	6073
Ion	Ratio	Lower	Upper
41	100		
39	49.2	44.6	66.8
67	44.0	39.3	58.9
52	30.8	35.3	52.9#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 4.826 ug/l

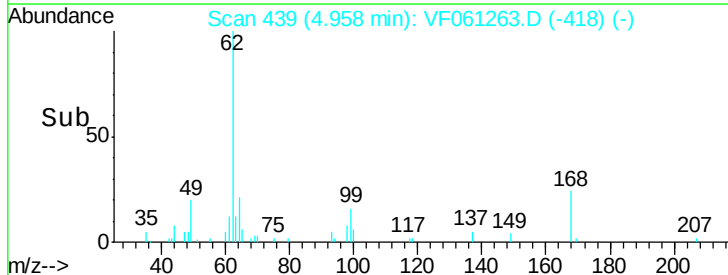
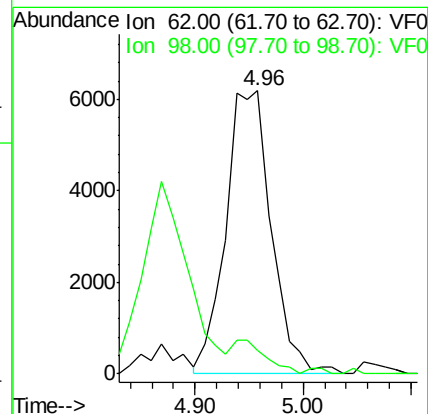
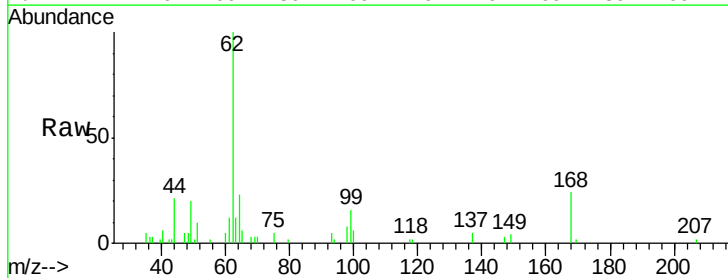
RT: 4.96 min Scan# 439

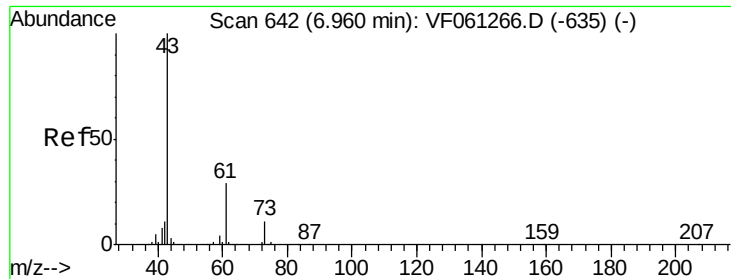
Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion:	62	Resp:	18142
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	13.4





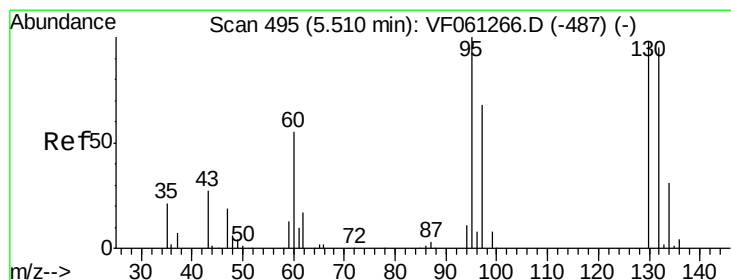
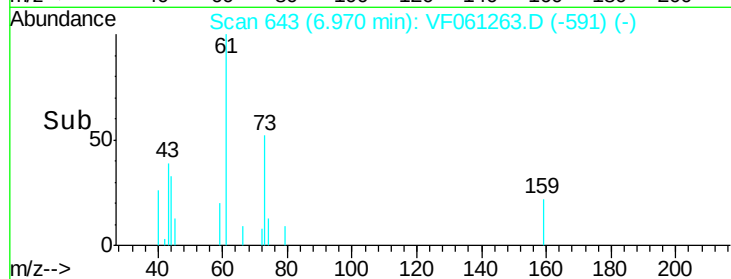
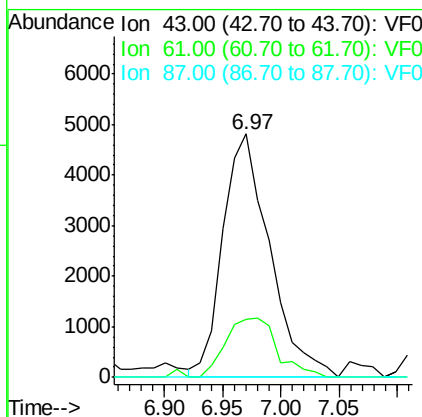
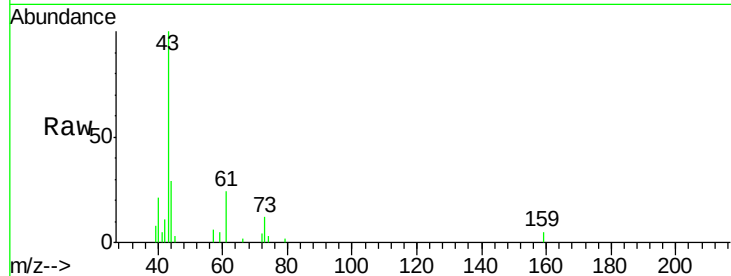
#43
Isopropyl Acetate
Concen: 5.902 ug/l
RT: 6.97 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	23.4	35.2
87	0.0	0.3	0.5#

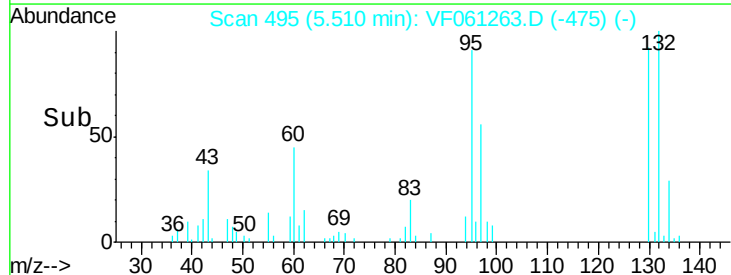
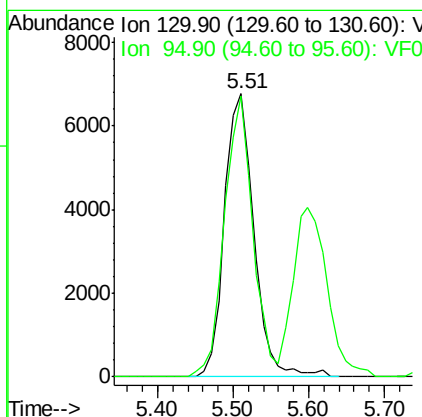
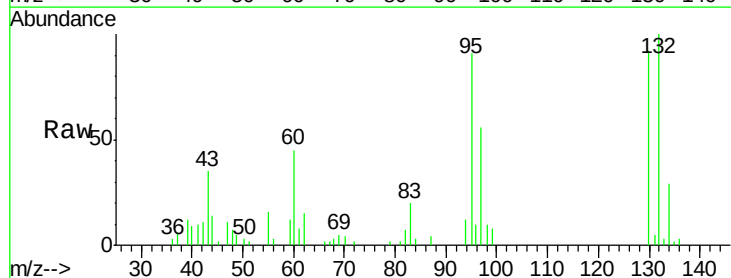
Manual Integrations
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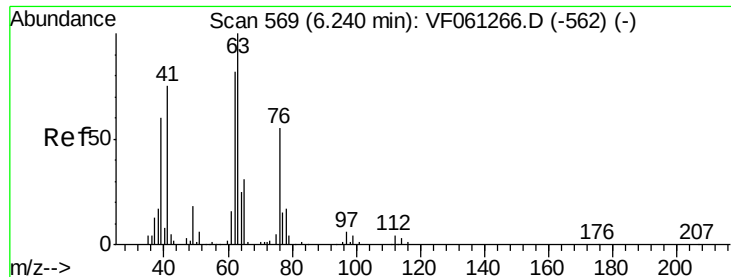
apatel
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#44
Trichloroethene
Concen: 5.766 ug/l
RT: 5.51 min Scan# 495
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	204.0





#45

1,2-Dichloropropane

Concen: 5.199 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 14383

Ion Ratio Lower Upper

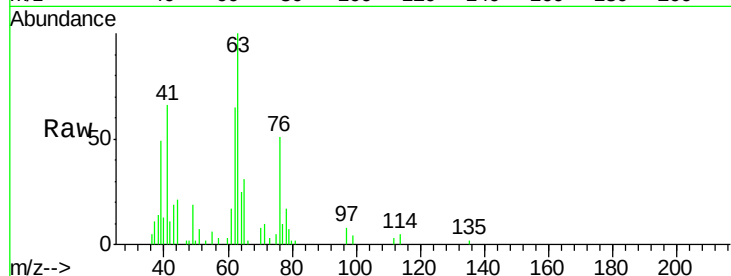
63 100

65 30.5 24.4 36.6

Manual Integrations
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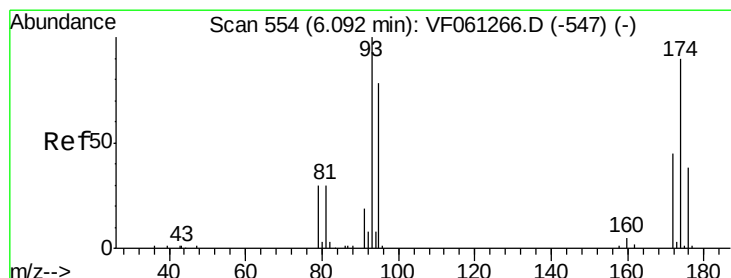
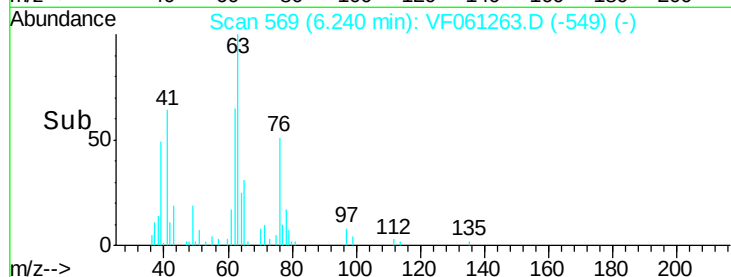
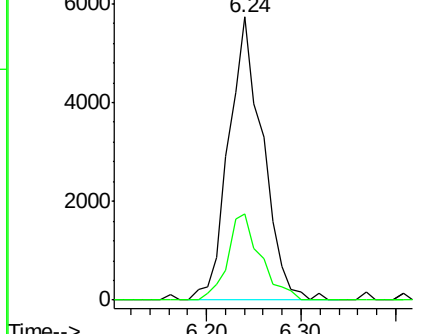
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 5.004 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

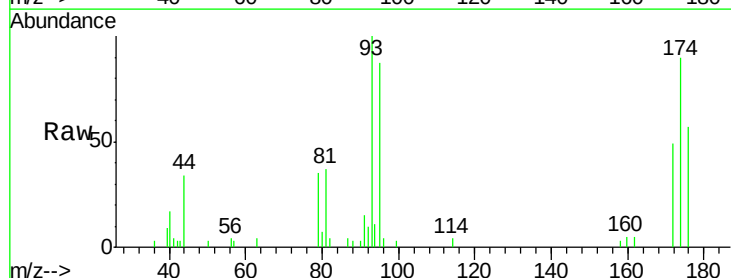
Tgt Ion: 93 Resp: 8843

Ion Ratio Lower Upper

93 100

95 87.4 62.4 93.6

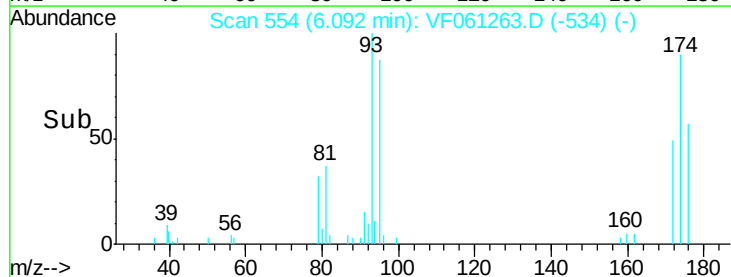
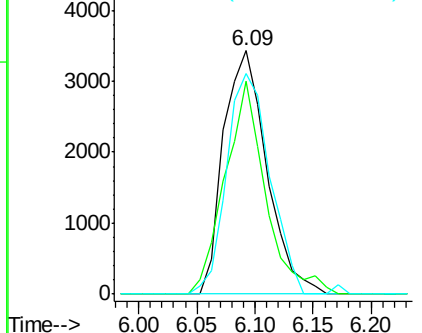
174 90.4 71.9 107.9

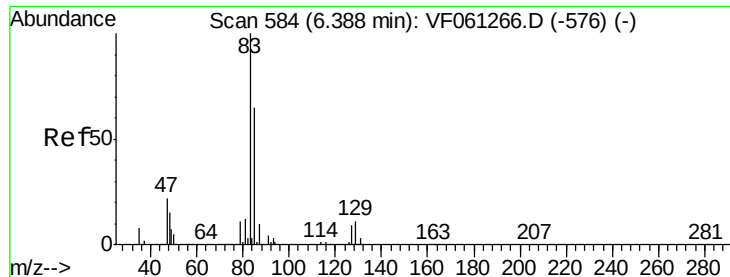


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 5.233 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

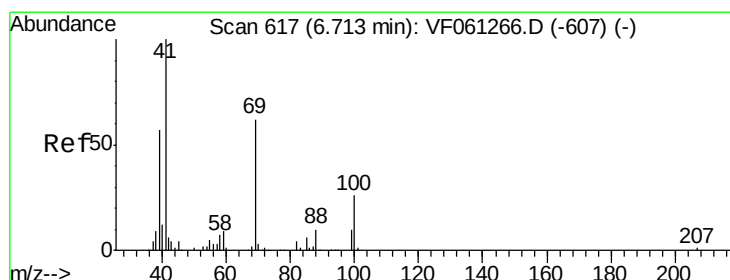
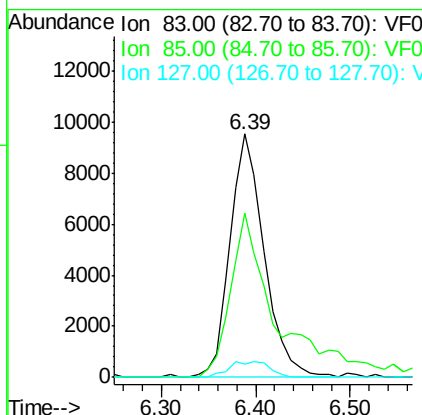
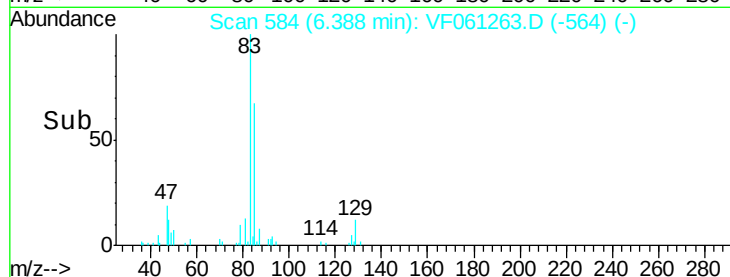
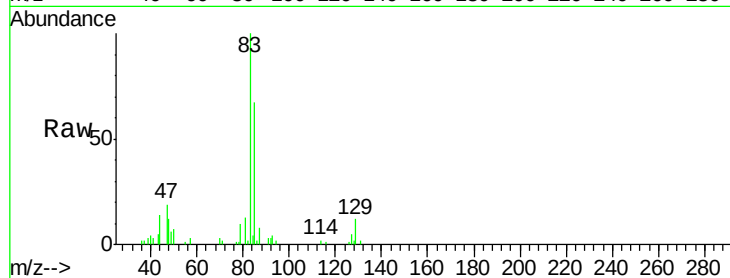
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23934
Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.1	78.1
127	5.4	7.1	10.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.742 ug/l

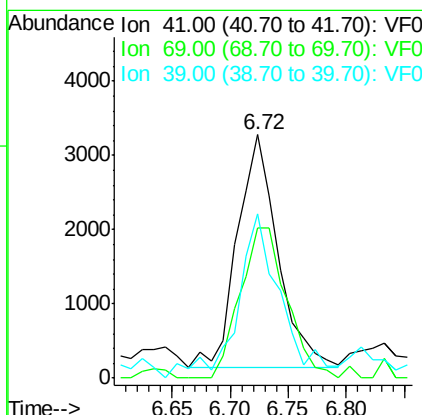
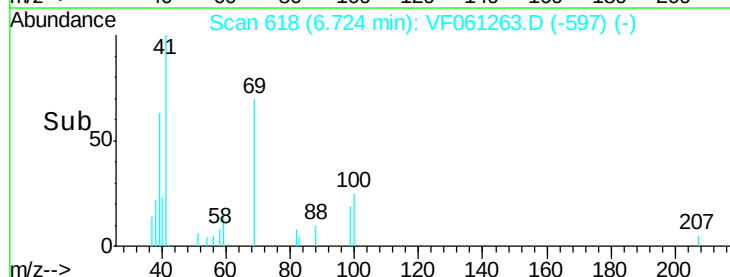
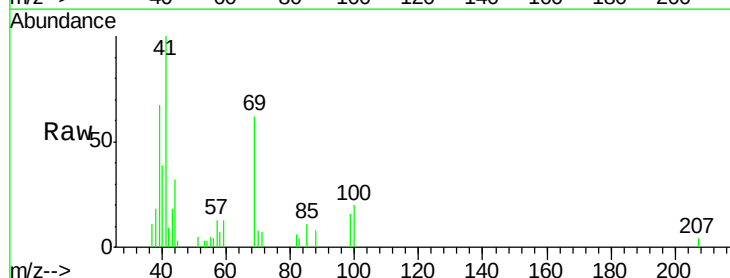
RT: 6.72 min Scan# 618

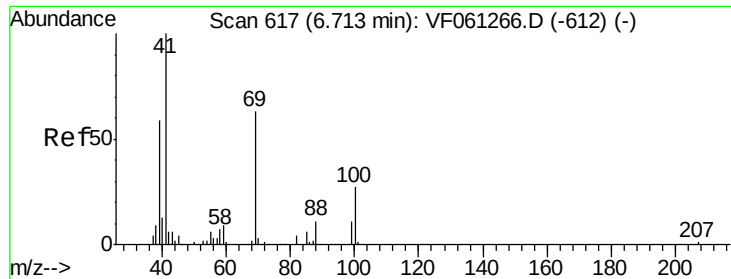
Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion:	41	Resp:	7536
Ion	Ratio	Lower	Upper
41	100		
69	61.8	49.8	74.8
39	67.3	46.4	69.6





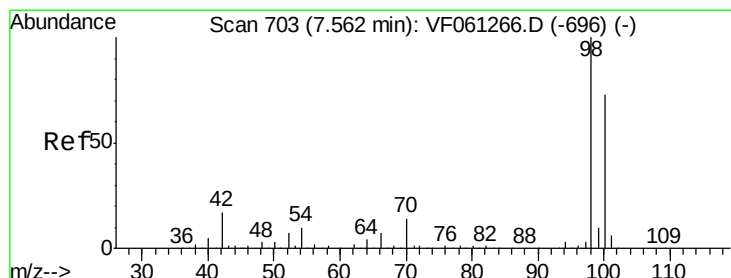
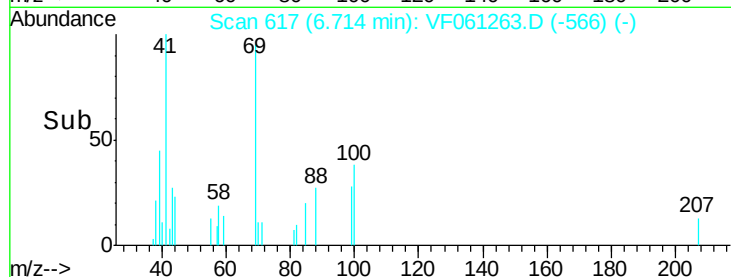
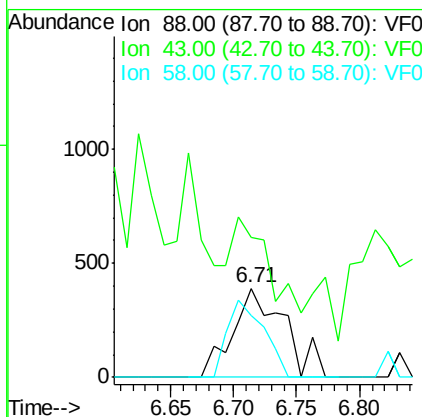
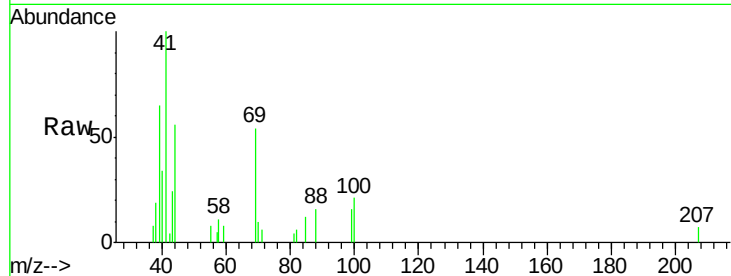
#49
1,4-Dioxane
Concen: 98.332 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	1114
Ion Ratio	Lower	Upper	
88	100		
43	157.5	55.2	82.8#
58	70.1	50.9	76.3

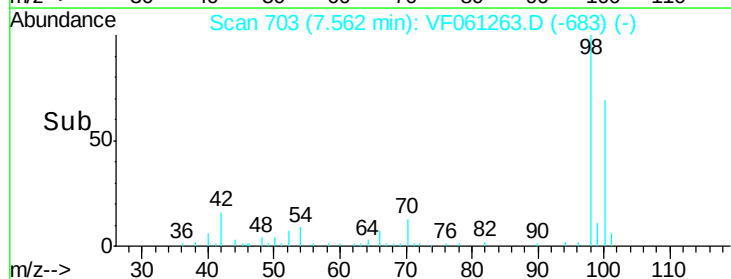
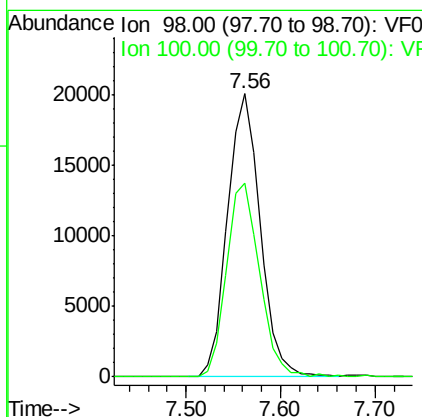
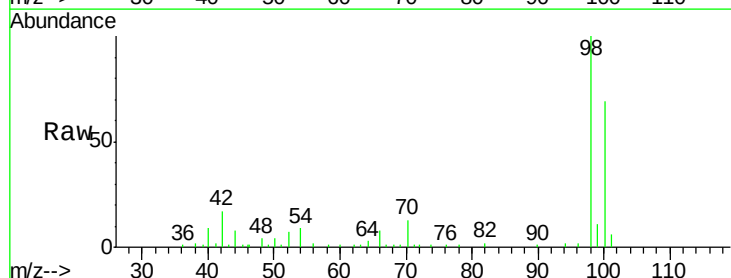
Manual Integrations
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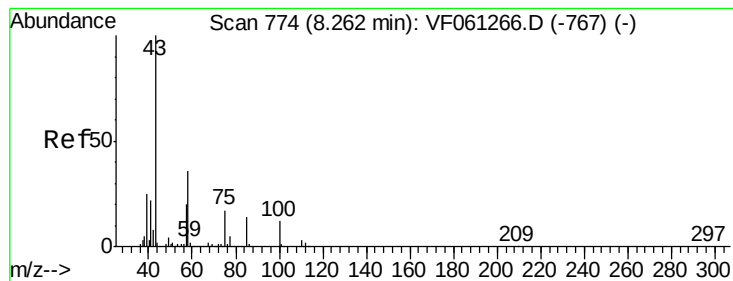
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#50
Toluene-d8
Concen: 5.413 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	98	Resp	48153
Ion Ratio	Lower	Upper	
98	100		
100	68.5	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 30.635 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 47715

Ion Ratio Lower Upper

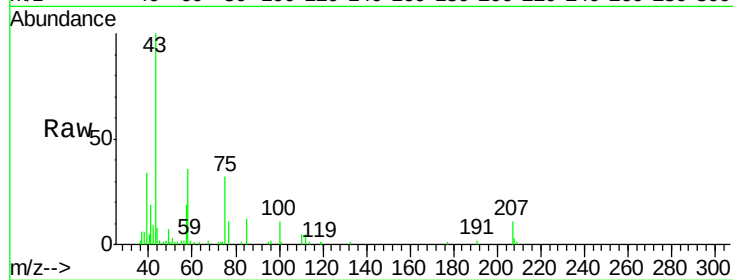
43 100

58 35.6 29.1 43.7

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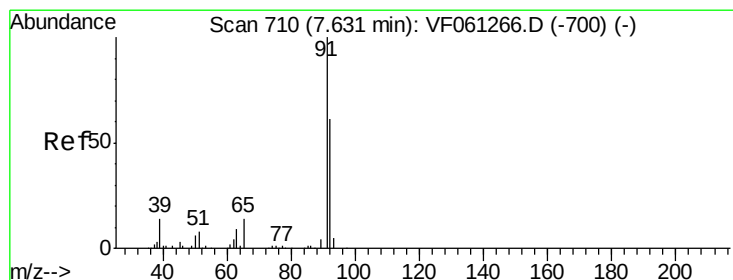
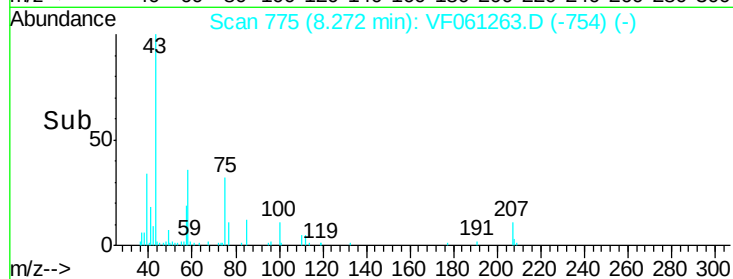
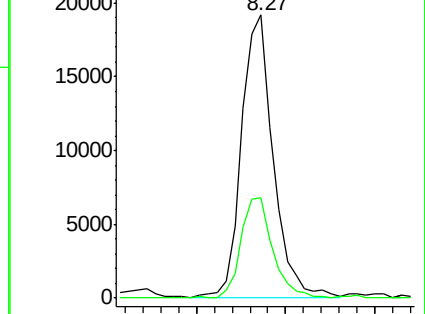
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 5.441 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061263.D

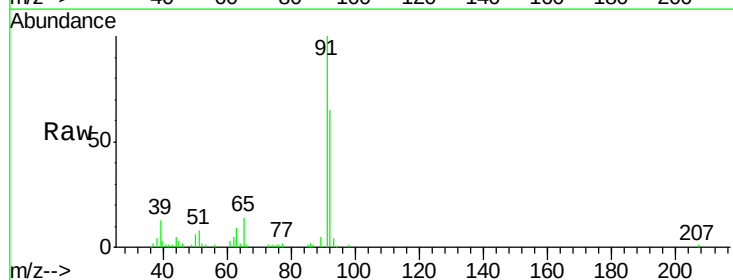
Acq: 3 Jan 2019 13:17

Tgt Ion: 92 Resp: 36790

Ion Ratio Lower Upper

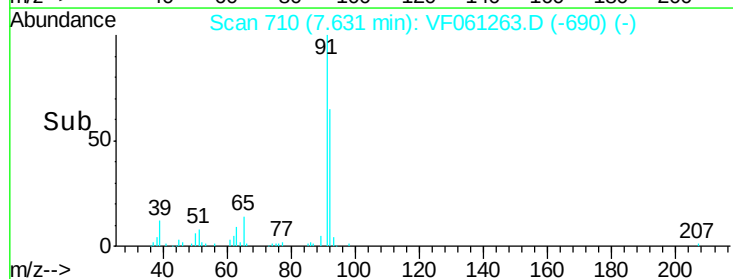
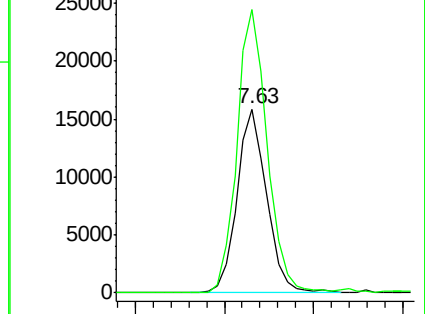
92 100

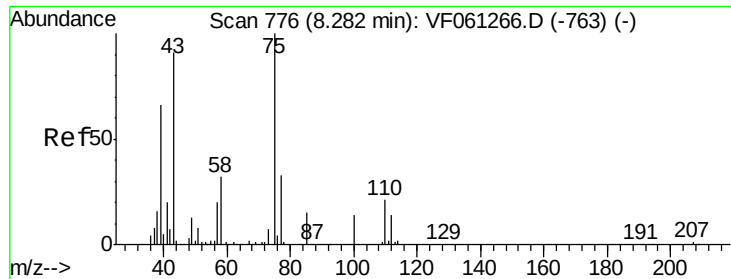
91 154.1 130.5 195.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 5.276 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 19669

Ion Ratio Lower Upper

75 100

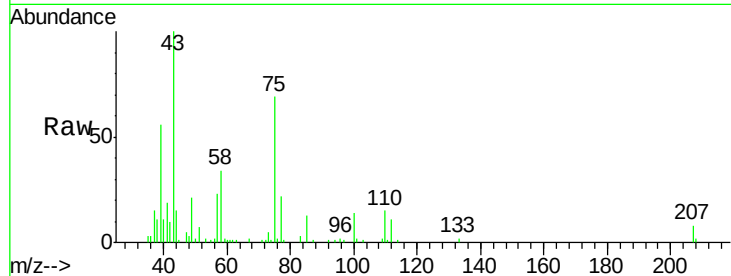
77 31.7 26.8 40.2

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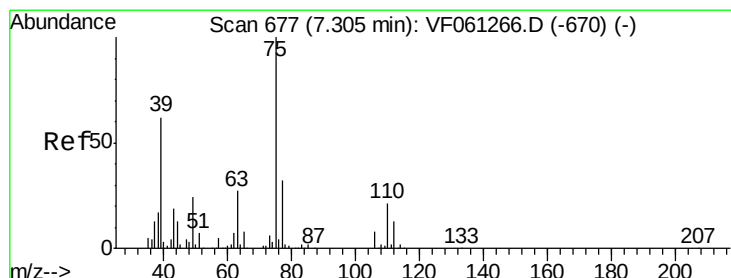
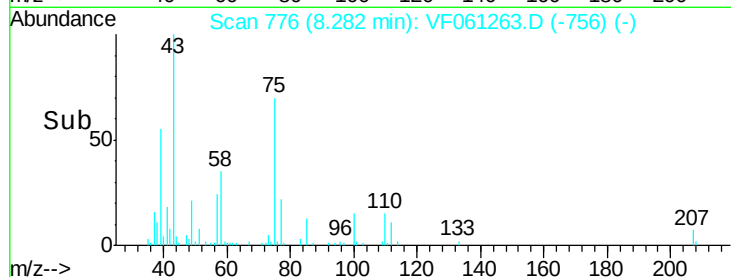
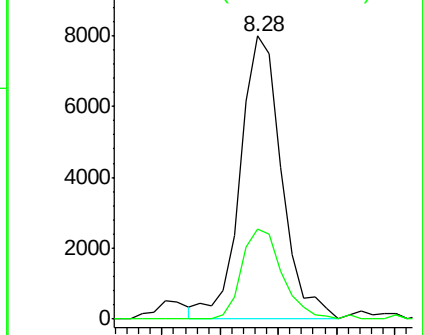
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 5.446 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

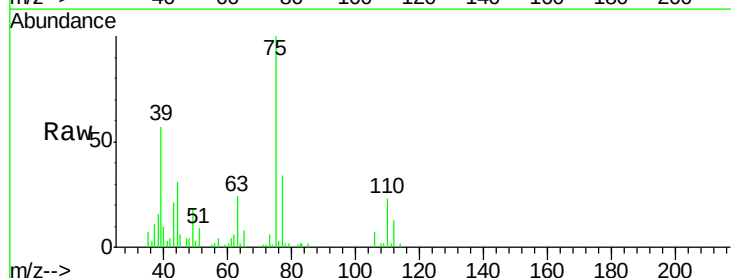
Tgt Ion: 75 Resp: 25522

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.2

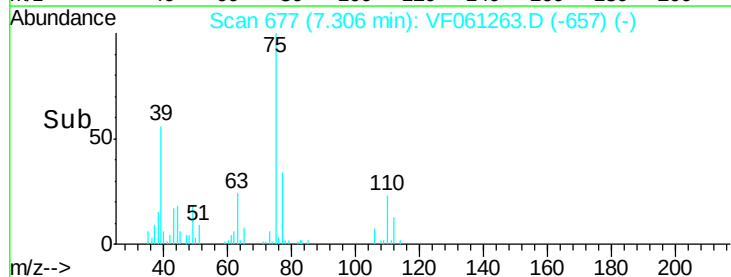
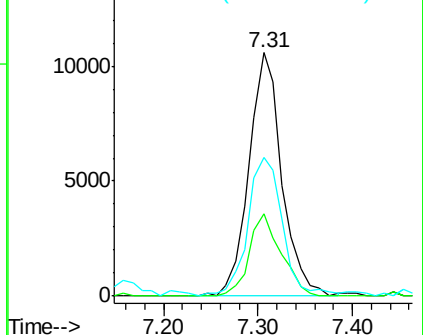
39 57.1 49.5 74.3

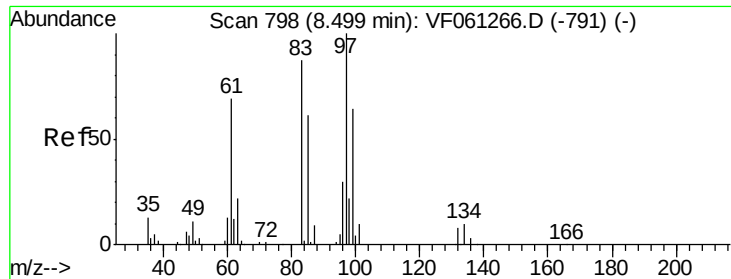


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





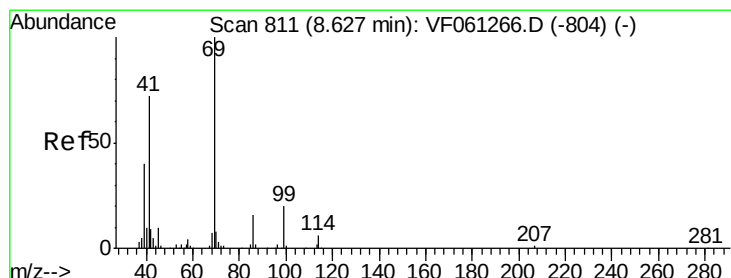
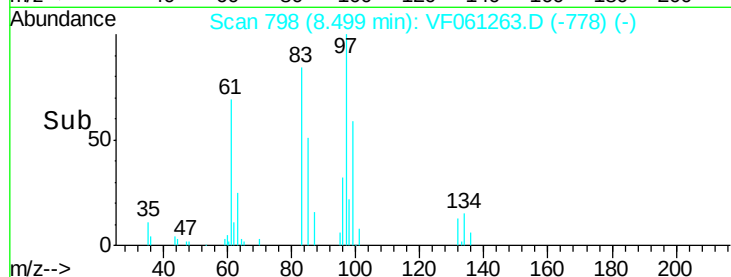
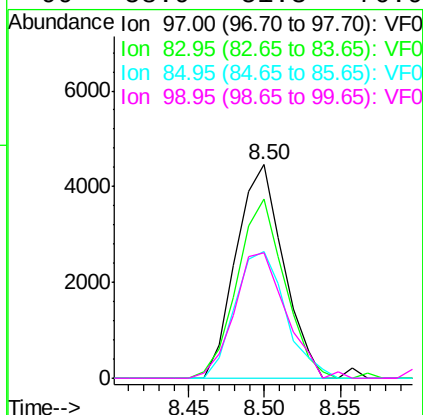
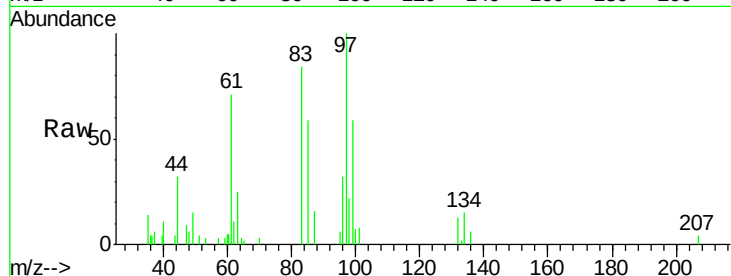
#55
1,1,2-Trichloroethane
Concen: 4.813 ug/l
RT: 8.50 min Scan# 798
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	97	Resp:	9668
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.7	104.5
85	59.4	49.1	73.7
99	58.9	51.3	76.9

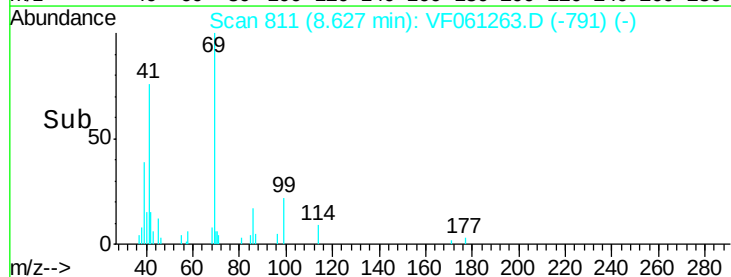
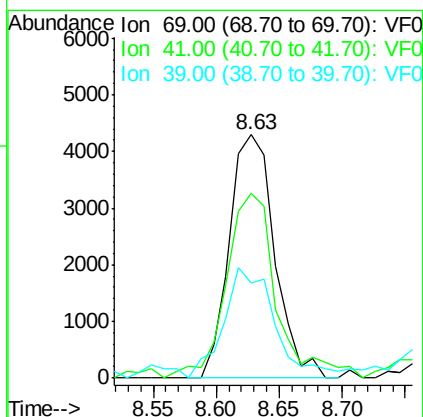
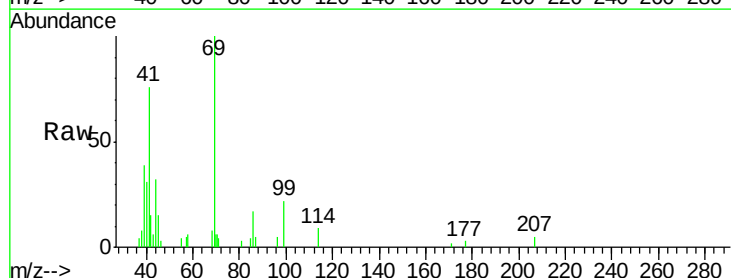
Manual Integrations
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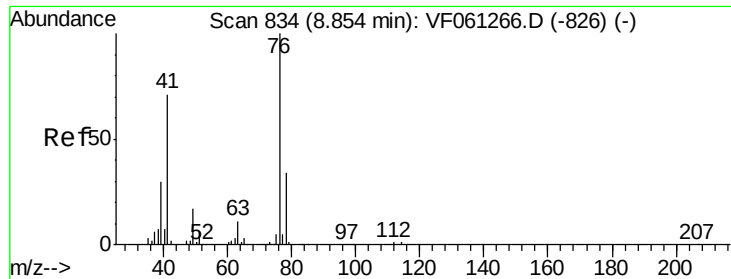
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#56
Ethyl methacrylate
Concen: 4.928 ug/l
RT: 8.63 min Scan# 811
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion:	69	Resp:	10691
Ion	Ratio	Lower	Upper
69	100		
41	76.0	58.1	87.1
39	39.1	32.6	49.0





#57

1,3-Dichloropropane

Concen: 5.275 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 19210

Ion Ratio Lower Upper

76 100

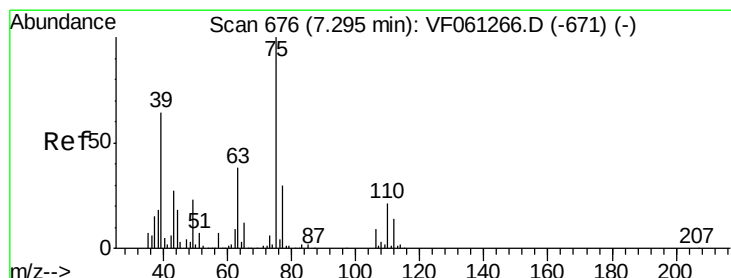
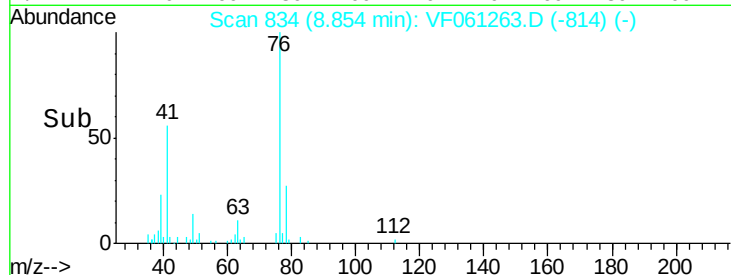
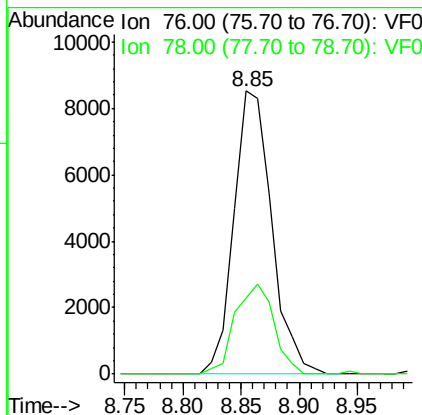
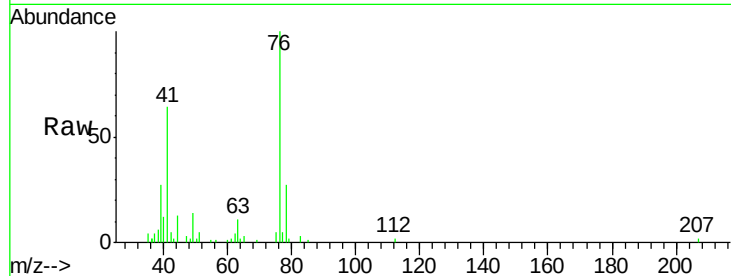
78 26.7 26.8 40.2#

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 15.465 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061263.D

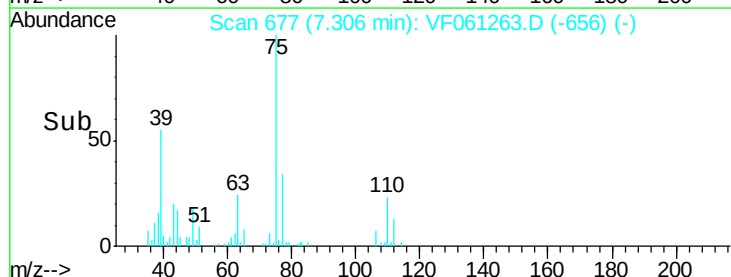
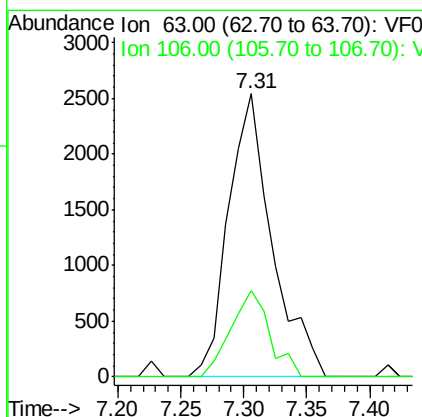
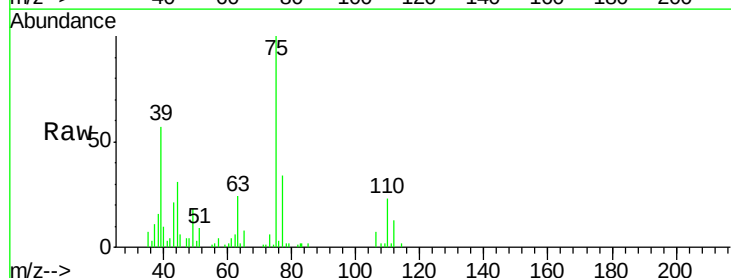
Acq: 3 Jan 2019 13:17

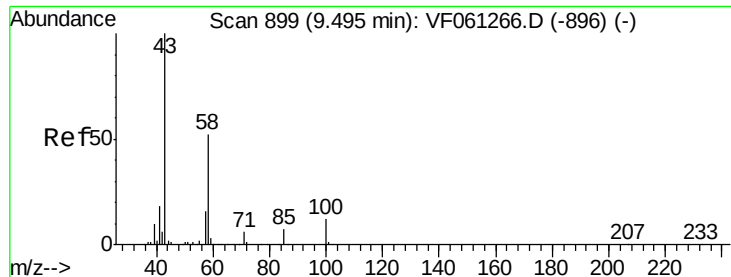
Tgt Ion: 63 Resp: 6116

Ion Ratio Lower Upper

63 100

106 30.6 19.2 28.8#





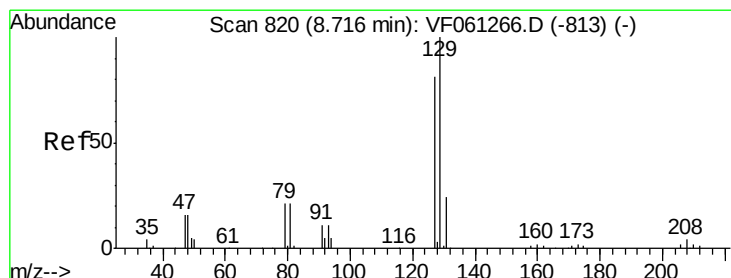
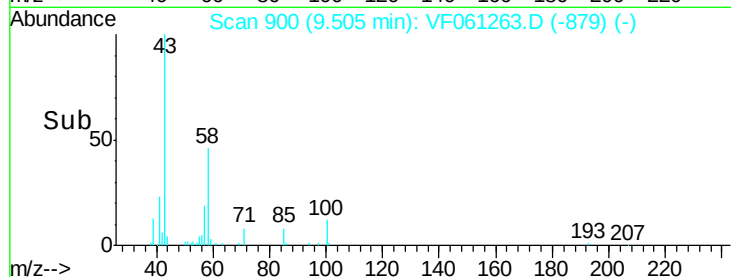
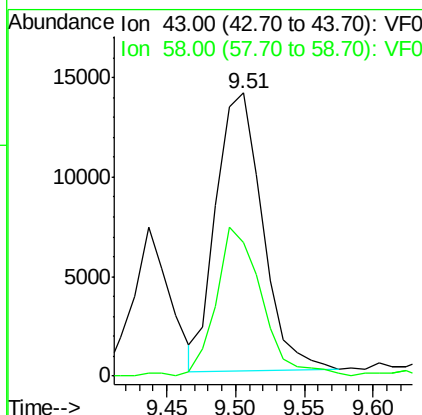
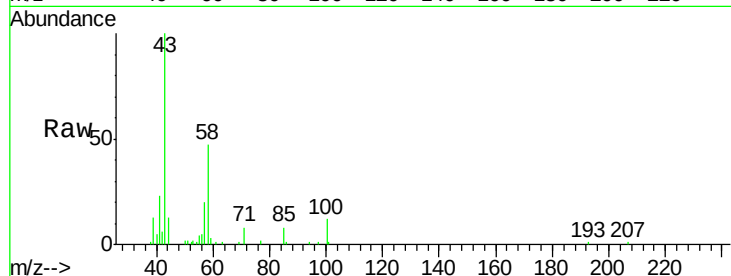
#59
2-Hexanone
Concen: 29.078 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 32559
Ion Ratio Lower Upper
43 100
58 47.1 24.4 73.4

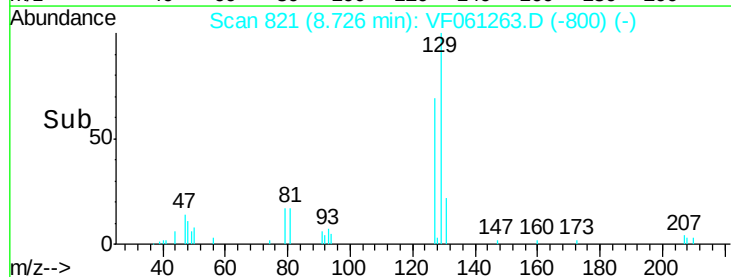
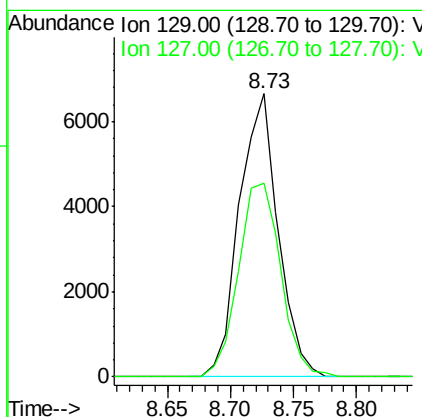
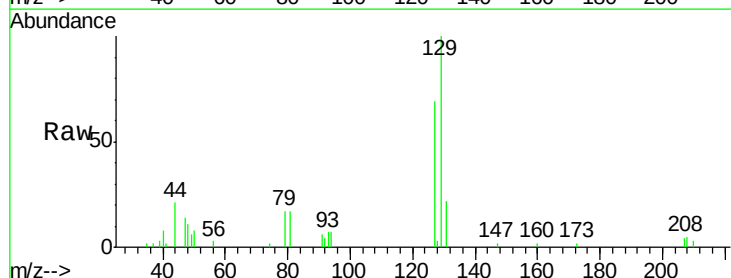
Manual Integrations
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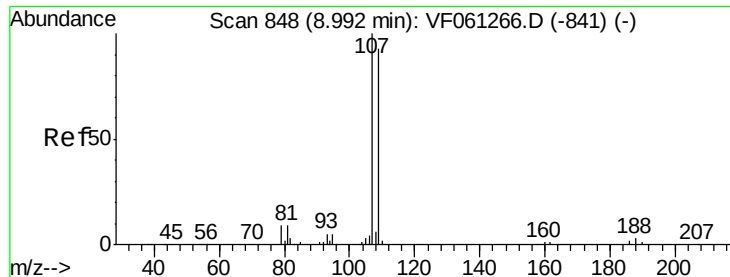
apatel
1/4/2019 2:12:25 PM



#60
Dibromochloromethane
Concen: 5.013 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion: 129 Resp: 14214
Ion Ratio Lower Upper
129 100
127 68.6 40.7 122.1





#61

1,2-Dibromoethane

Concen: 5.132 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 10966

Ion Ratio Lower Upper

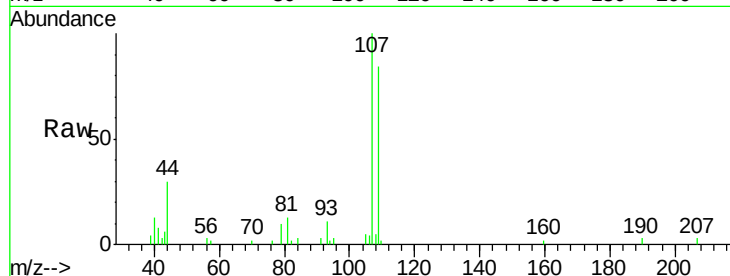
107 100

109 83.7 74.2 111.4

Manual Integrations
APPROVED

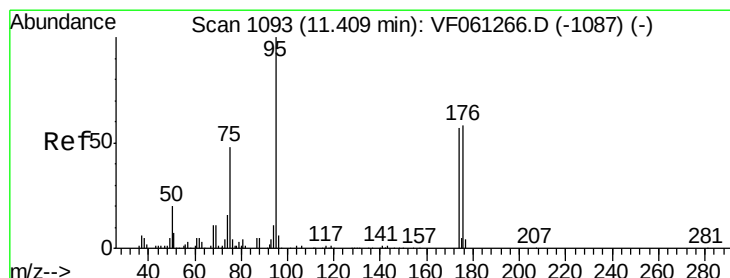
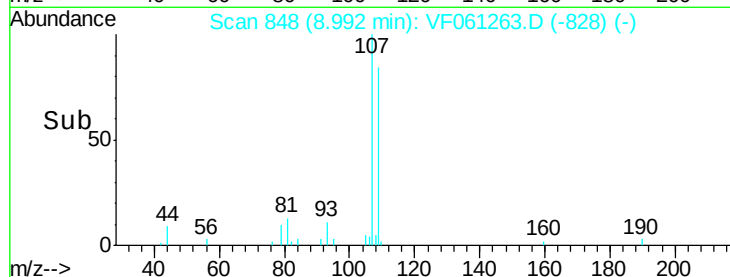
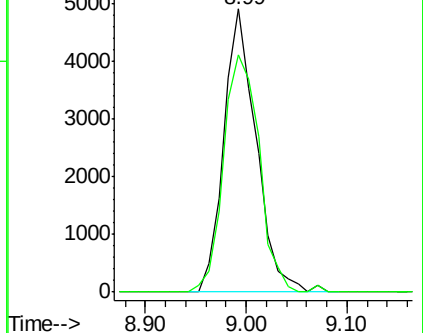
apatel

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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: 5.238 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

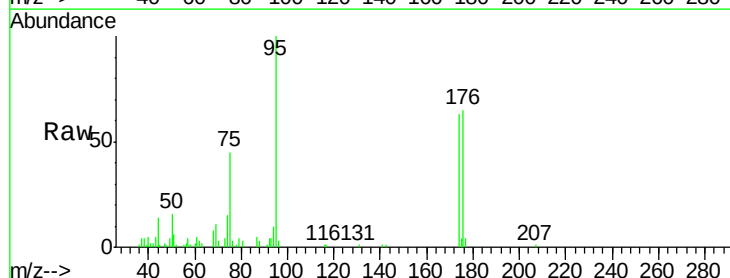
Tgt Ion: 95 Resp: 21363

Ion Ratio Lower Upper

95 100

174 62.8 0.0 113.2

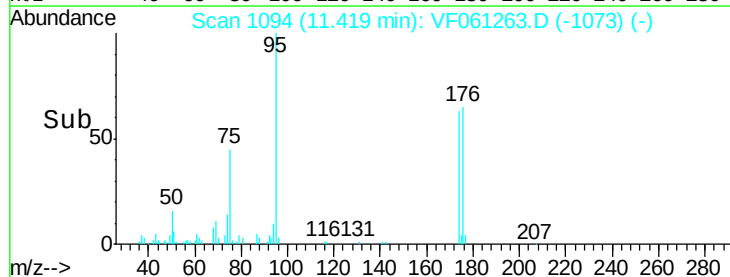
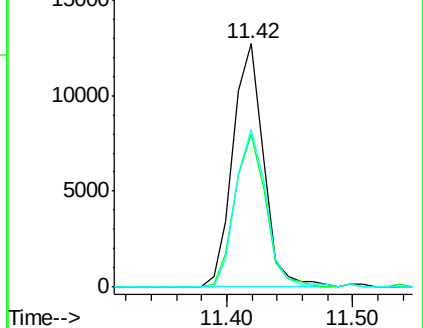
176 64.8 0.0 115.6

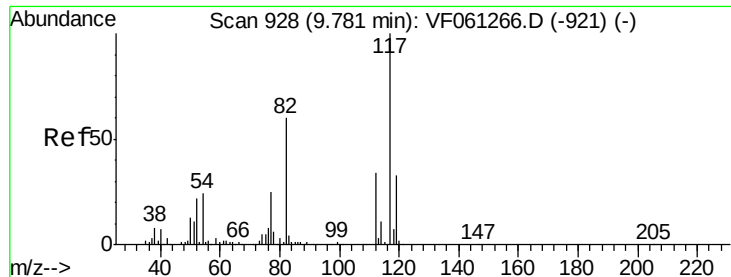


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





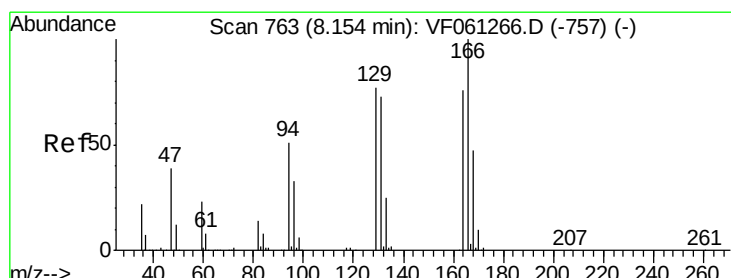
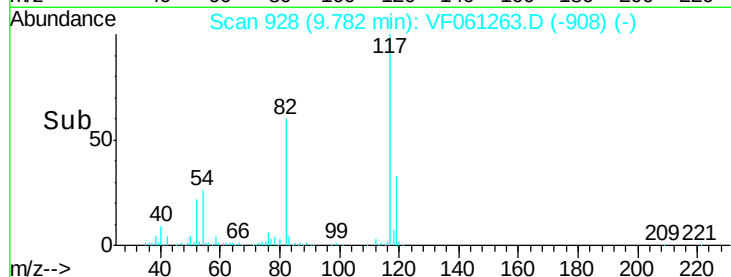
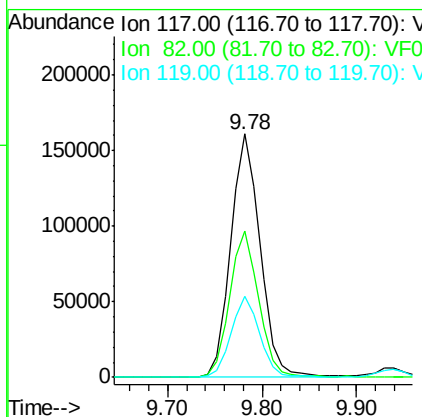
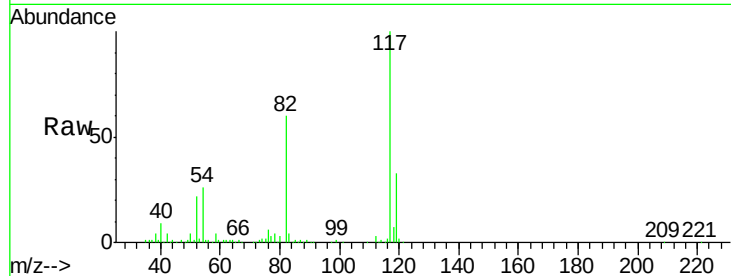
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	348212		
82	59.9	47.8	71.6	
119	33.1	26.1	39.1	

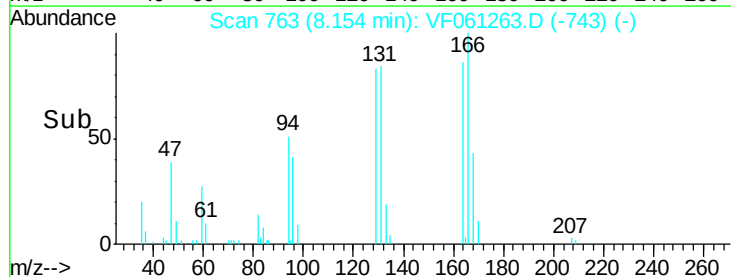
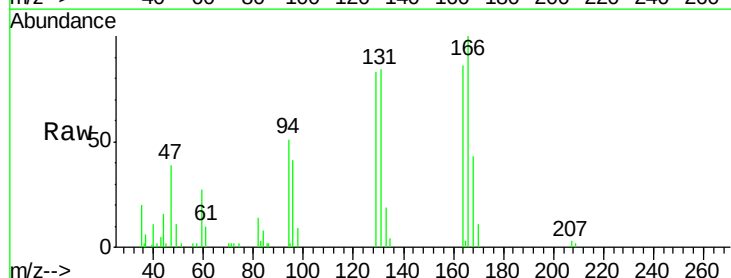
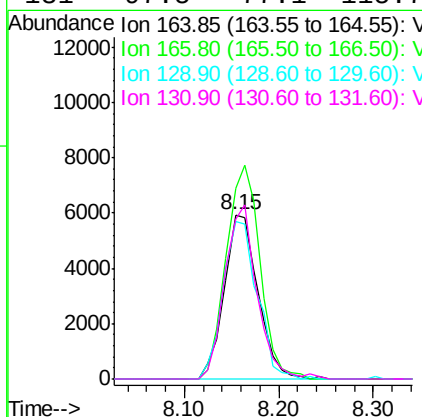
Manual Integrations
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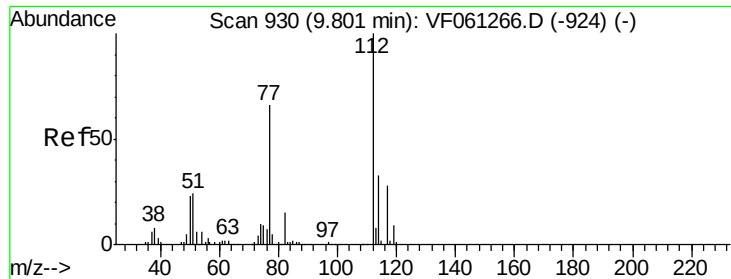
apatel
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#64
Tetrachloroethene
Concen: 5.434 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14700		
166	115.7	105.1	157.7	
129	95.7	81.0	121.6	
131	97.5	77.1	115.7	





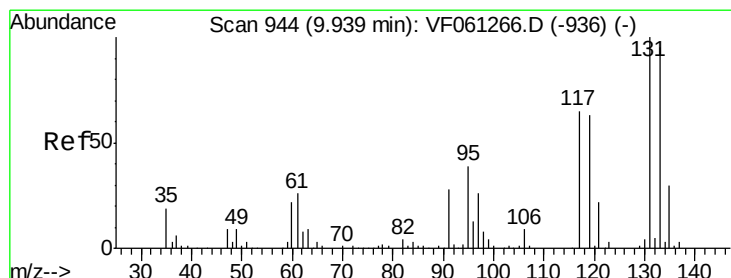
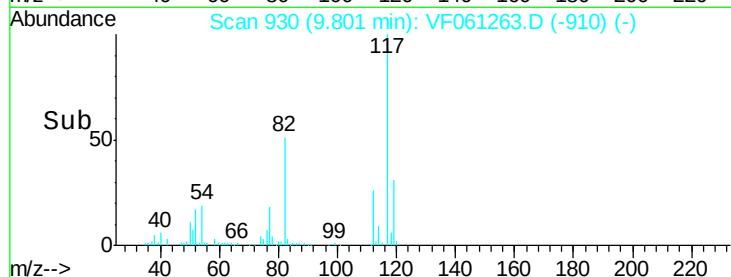
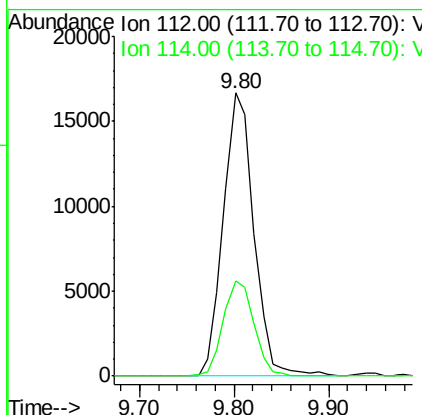
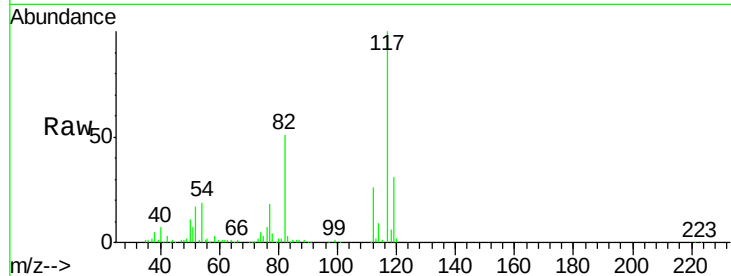
#65
Chlorobenzene
Concen: 5.161 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	26.4	39.6

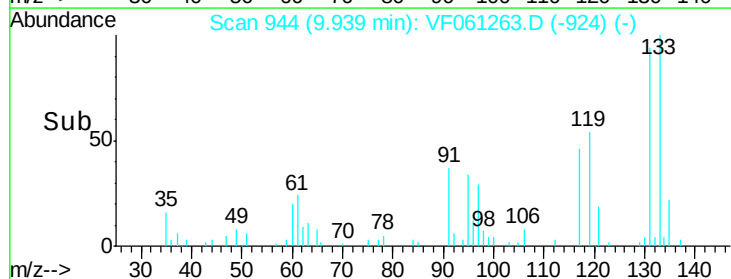
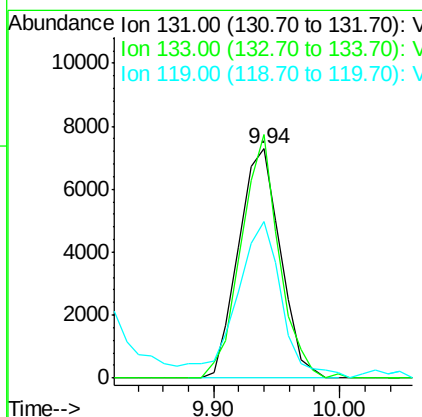
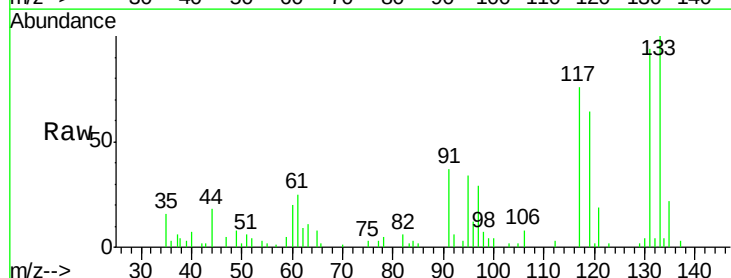
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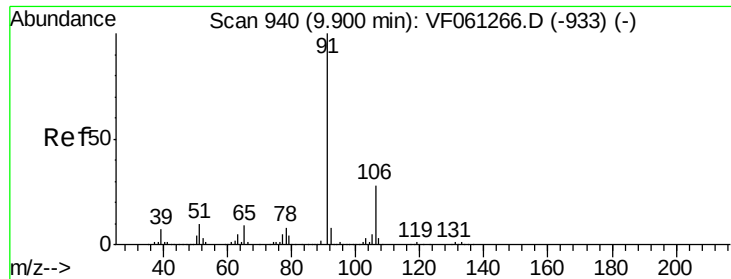
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.653 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	106.3	47.5	142.5
119	68.4	32.2	96.6





#67

Ethyl Benzene

Concen: 5.580 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 74382

Ion Ratio Lower Upper

91 100

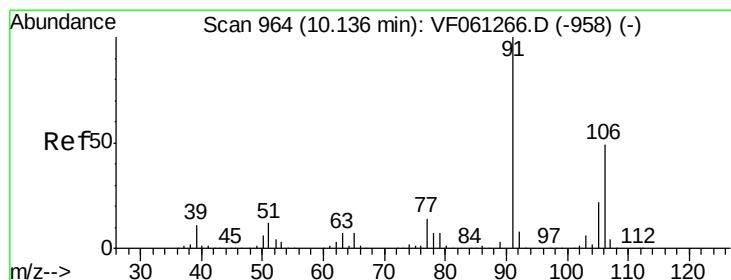
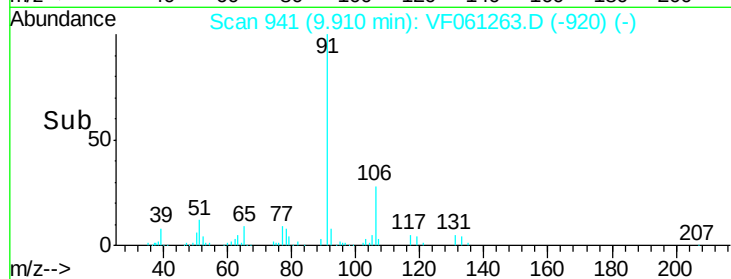
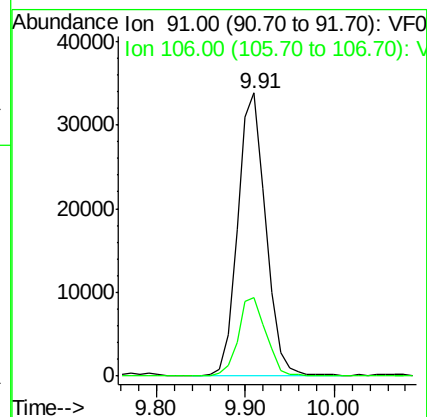
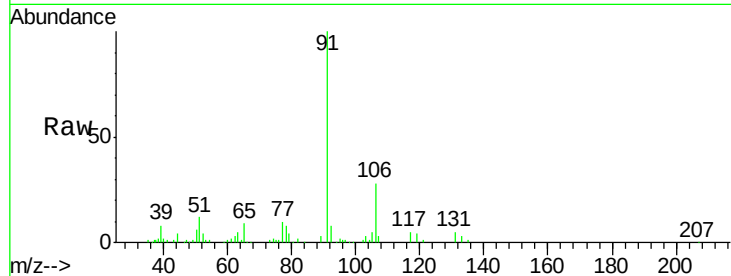
106 27.8 22.8 34.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 12.182 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF061263.D

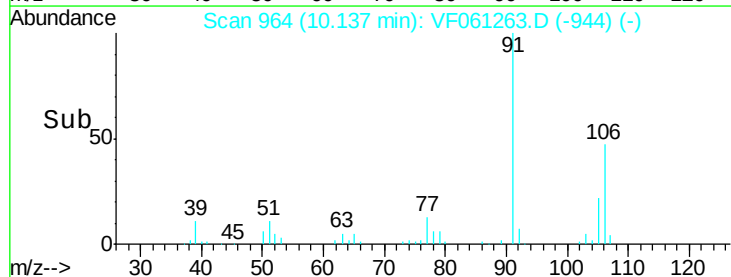
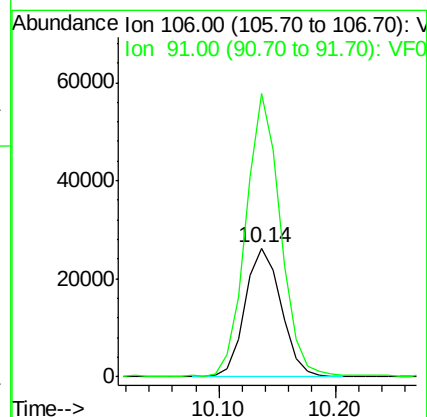
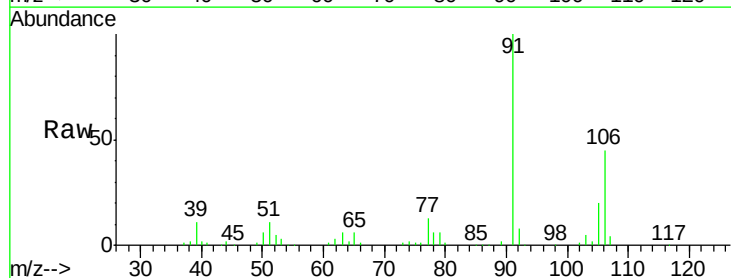
Acq: 3 Jan 2019 13:17

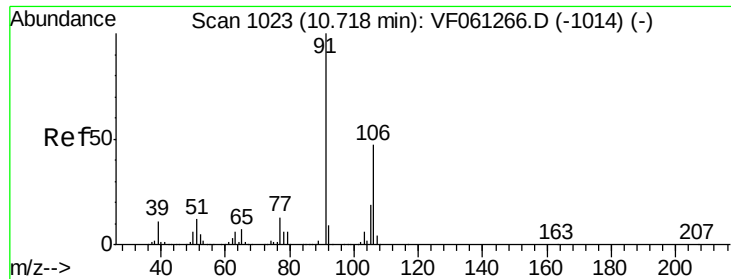
Tgt Ion: 106 Resp: 56766

Ion Ratio Lower Upper

106 100

91 220.0 164.8 247.2





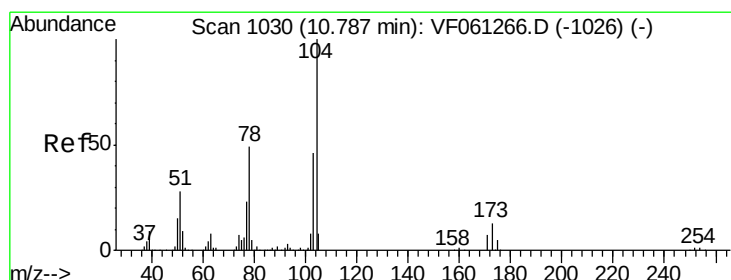
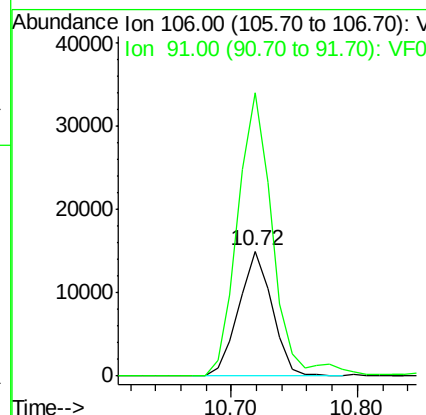
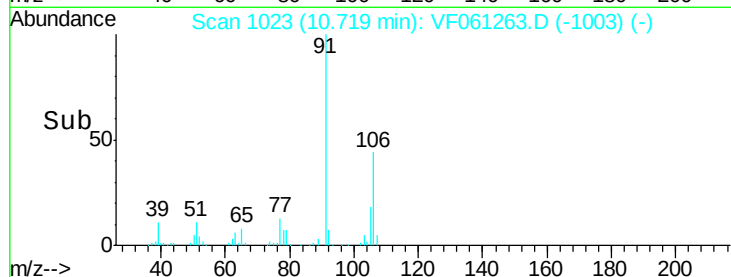
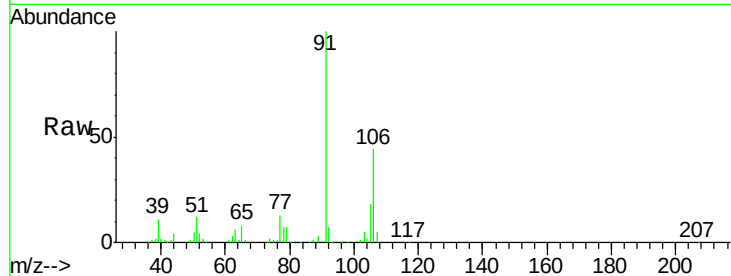
#69
o-Xylene
Concen: 5.300 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 27636
Ion Ratio Lower Upper
106 100
91 226.2 106.2 318.5

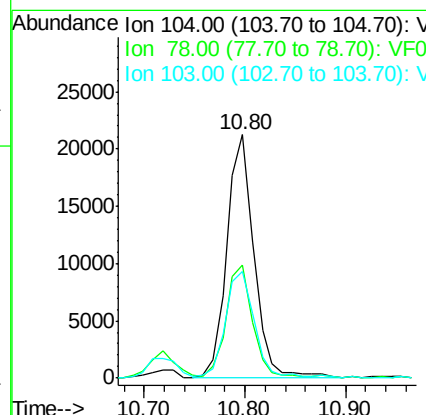
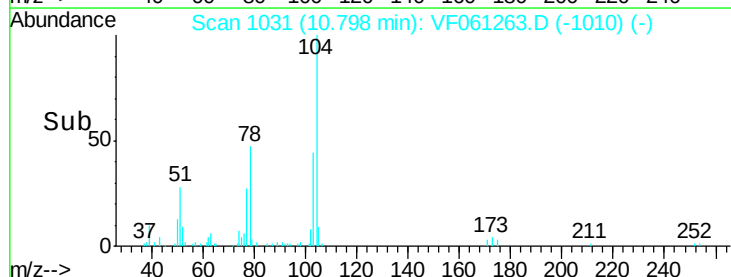
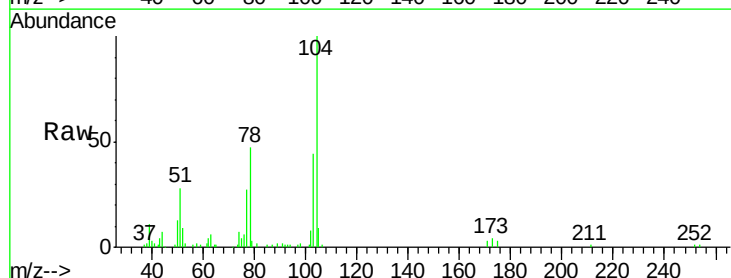
Manual Integrations
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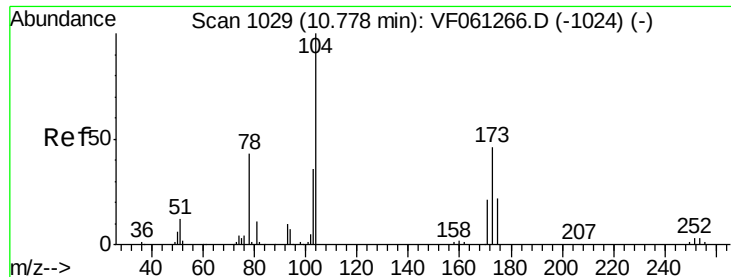
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#70
Styrene
Concen: 5.535 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion:104 Resp: 39894
Ion Ratio Lower Upper
104 100
78 46.5 39.3 58.9
103 43.9 37.3 55.9





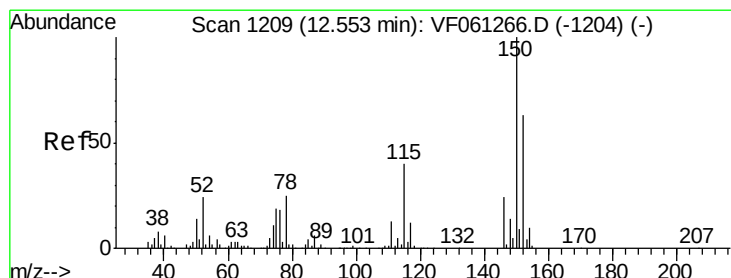
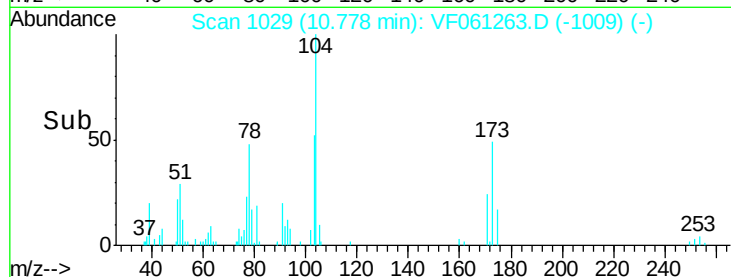
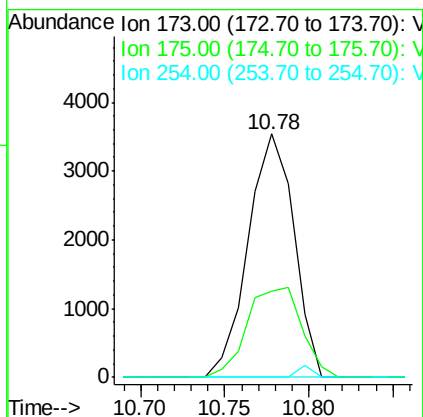
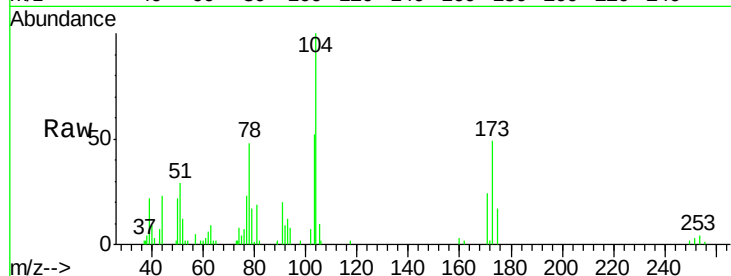
#71
Bromoform
Concen: 4.866 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	35.5	24.6	73.6
254	0.0	5.3	7.9#

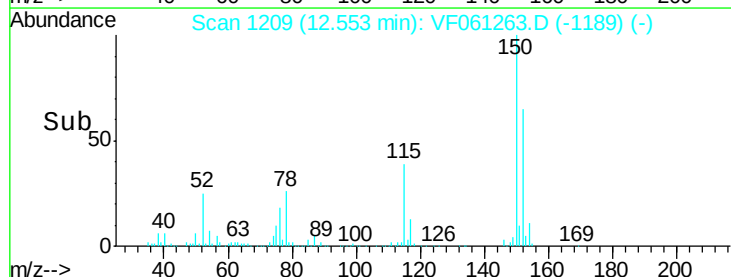
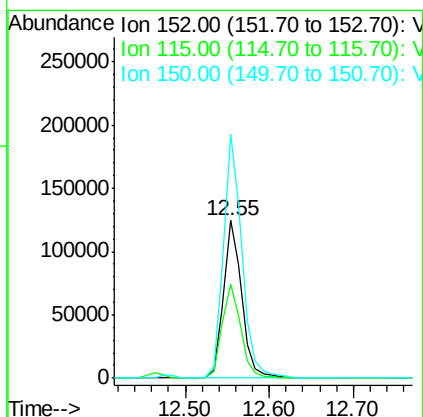
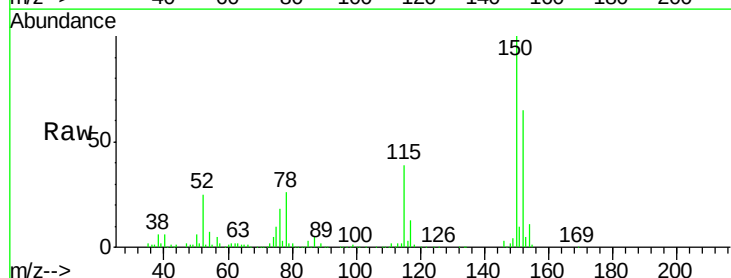
Manual Integrations
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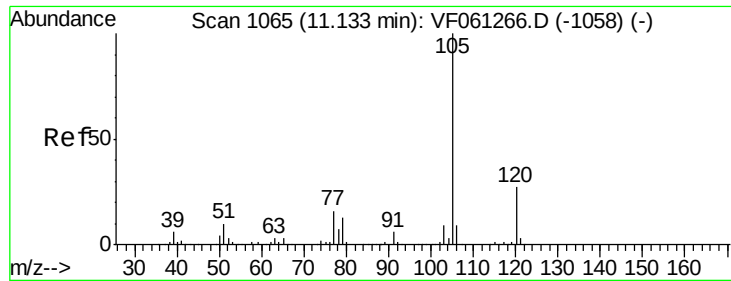
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	31.6	94.7
150	154.3	0.0	320.2





#73

Isopropylbenzene

Concen: 5.120 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 83027

Ion Ratio Lower Upper

105 100

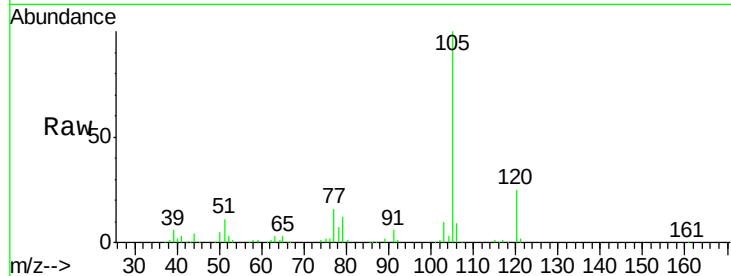
120 25.1 13.4 40.1

Manual Integrations

APPROVED

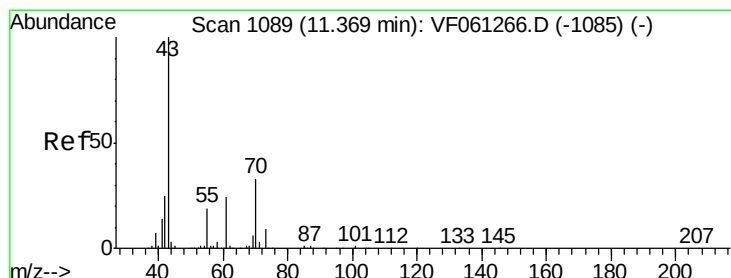
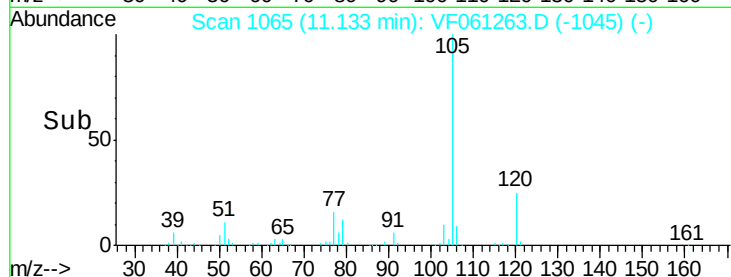
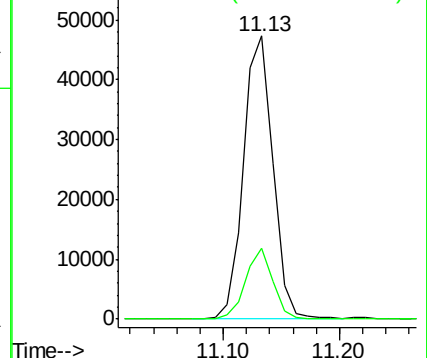
apatel

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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: 6.119 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion: 43 Resp: 22163

Ion Ratio Lower Upper

43 100

70 34.1 26.7 40.1

55 20.3 15.4 23.0

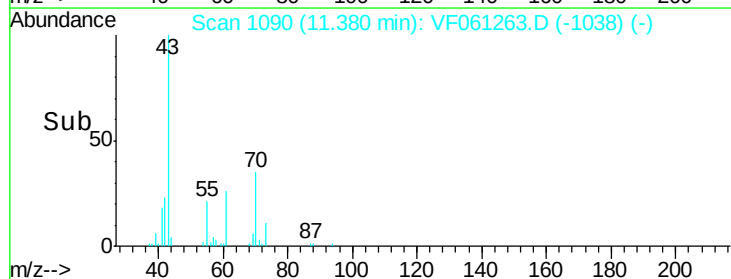
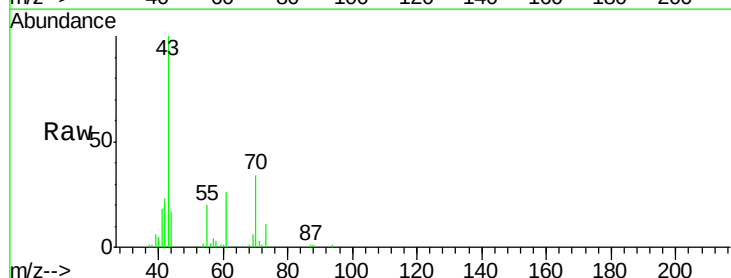
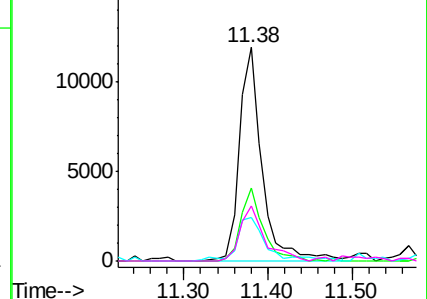
61 26.0 19.4 29.0

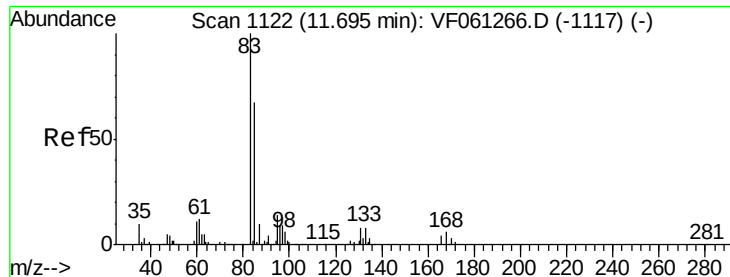
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 5.620 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

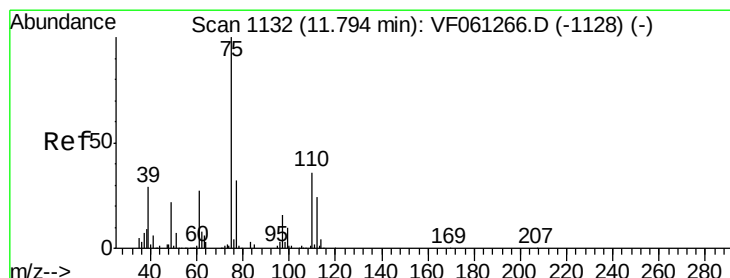
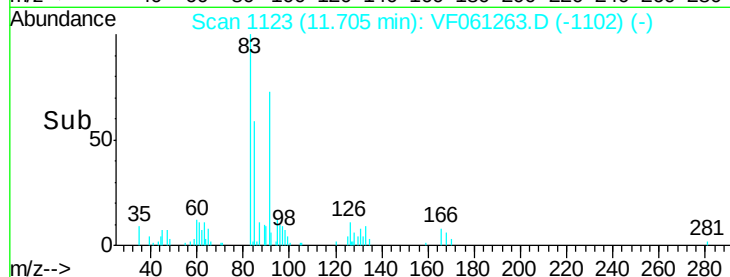
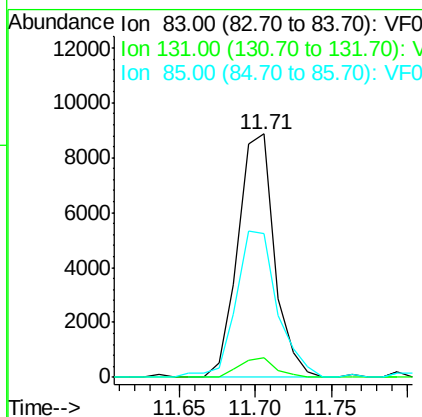
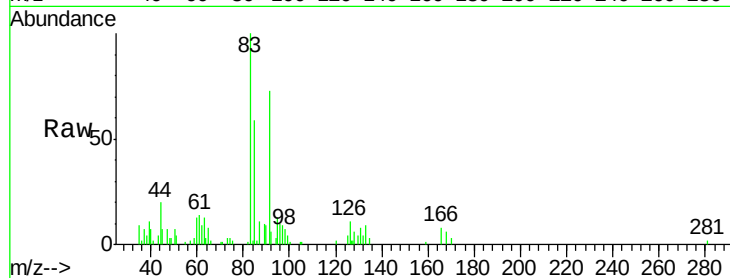
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14957
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.0	12.0
85	58.9	33.6	100.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.619 ug/l

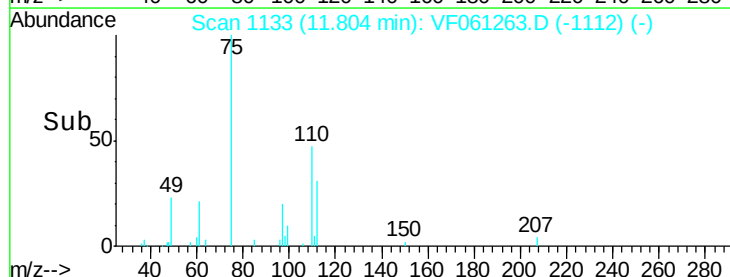
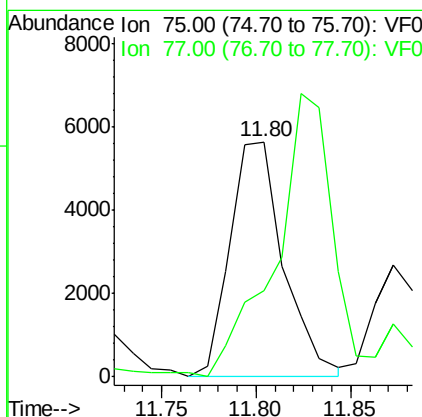
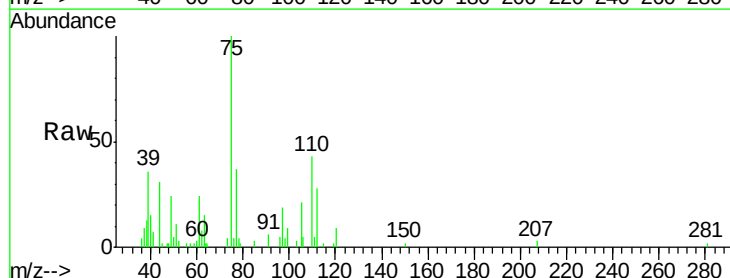
RT: 11.80 min Scan# 1133

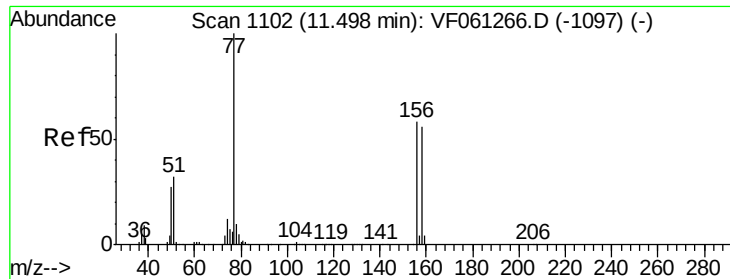
Delta R.T. 0.01 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion:	75	Resp:	11138
Ion Ratio	Lower	Upper	
75	100		
77	36.8	15.9	47.7





#77

Bromobenzene

Concen: 4.812 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

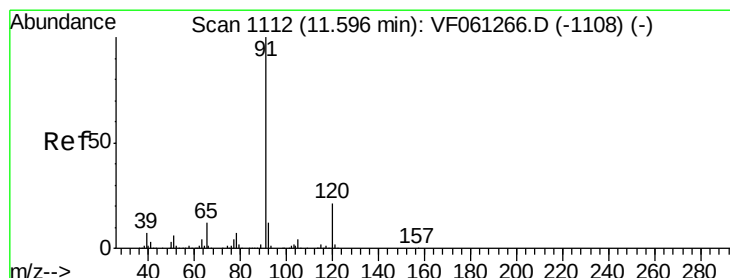
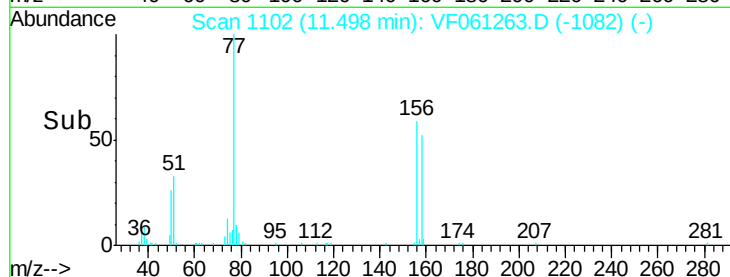
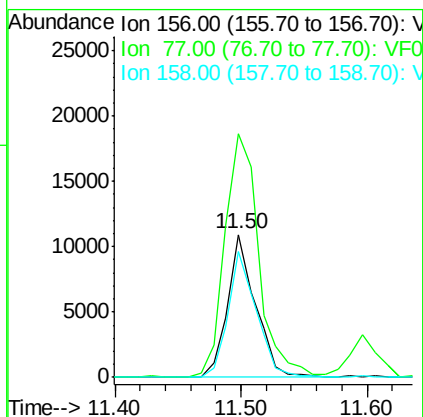
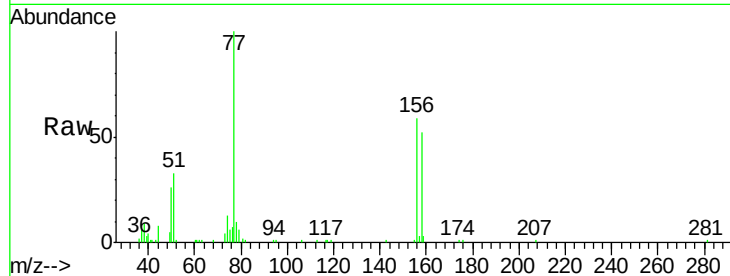
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	16699
Ion Ratio	Lower	Upper	
156	100		
77	170.4	85.8	257.3
158	88.5	47.6	142.8

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#78

n-propylbenzene

Concen: 5.868 ug/l

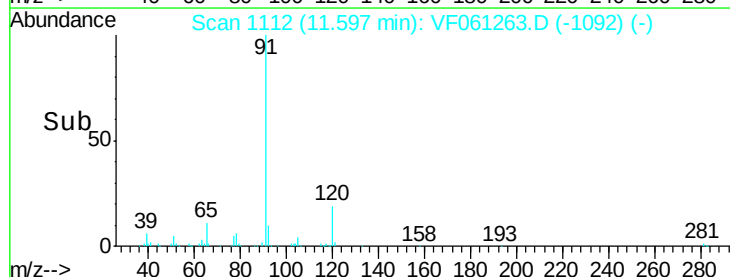
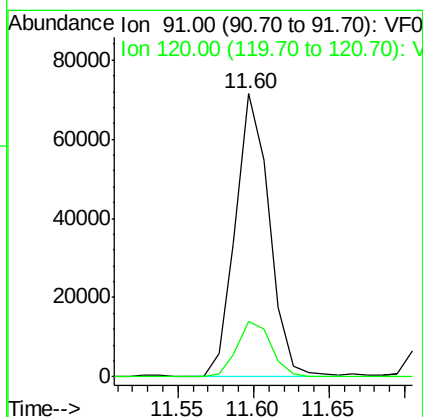
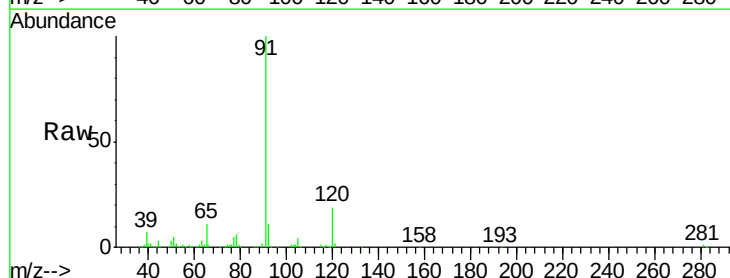
RT: 11.60 min Scan# 1112

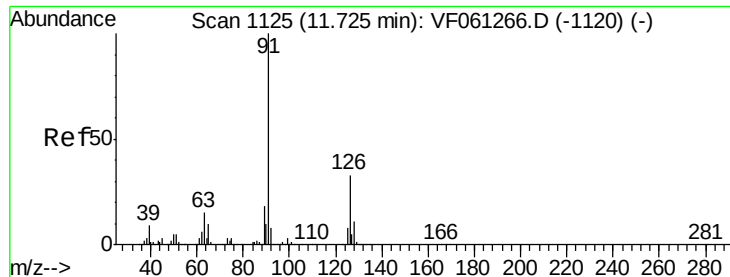
Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion:	91	Resp:	111813
Ion Ratio	Lower	Upper	
91	100		
120	19.5	10.6	31.8





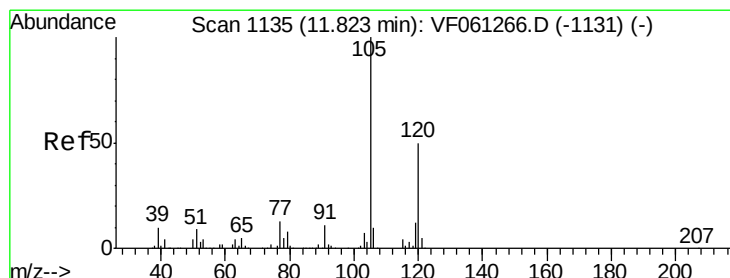
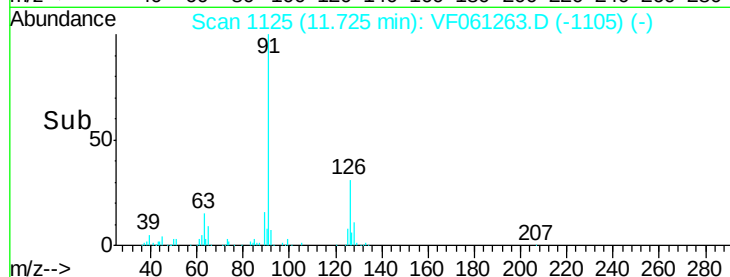
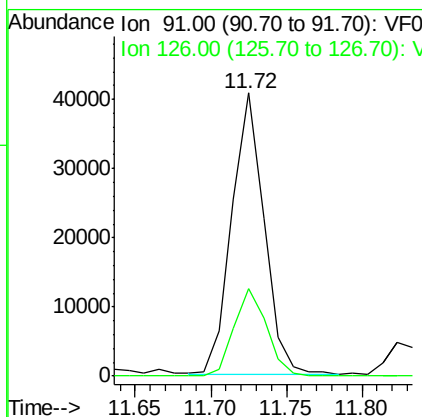
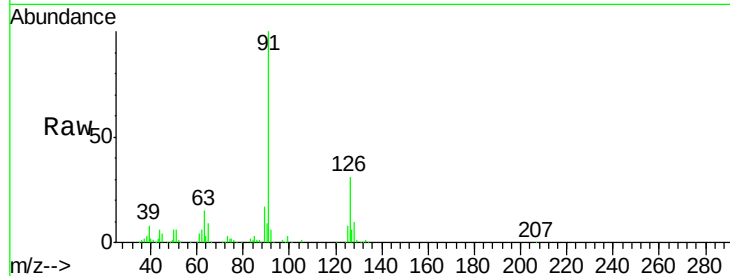
#79
2-Chlorotoluene
Concen: 5.469 ug/l
RT: 11.72 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.9	16.3	48.8

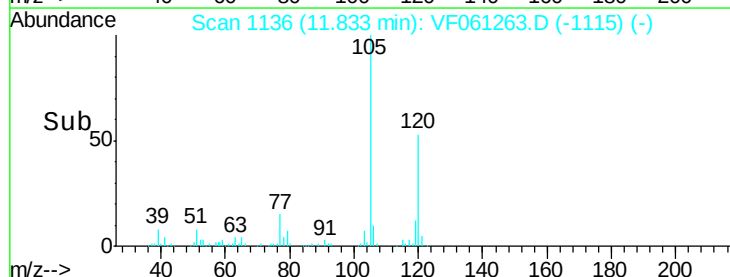
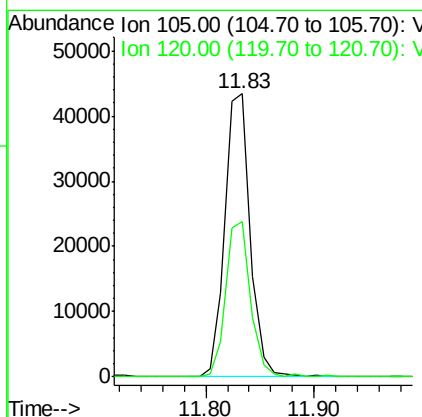
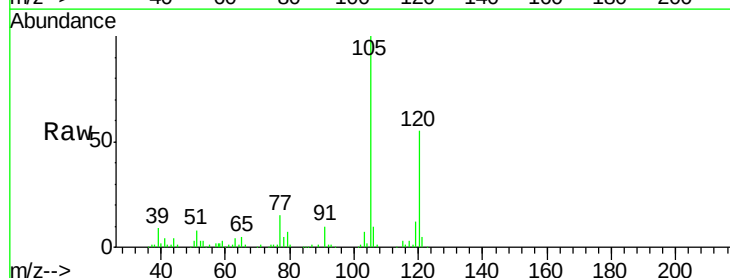
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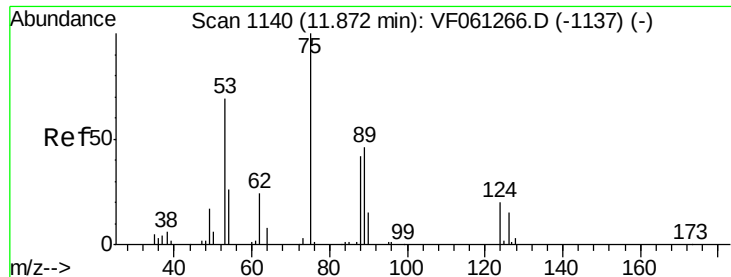
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#80
1,3,5-Trimethylbenzene
Concen: 5.364 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.7	24.8	74.4





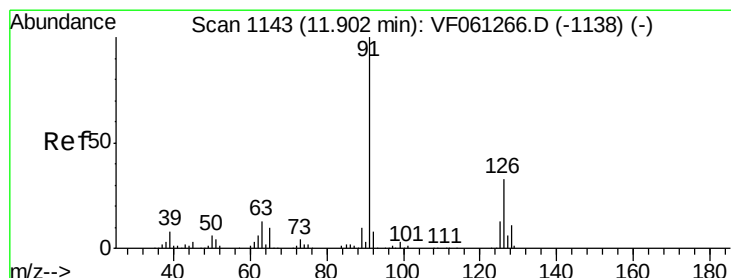
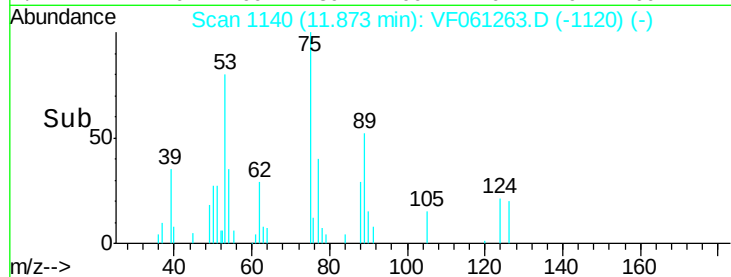
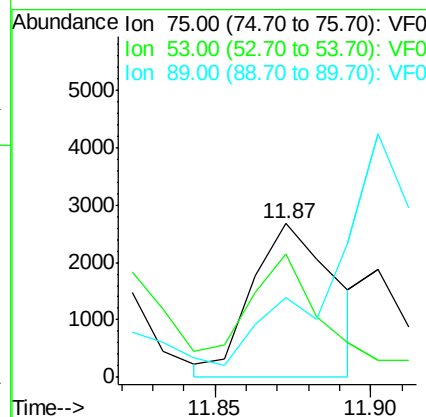
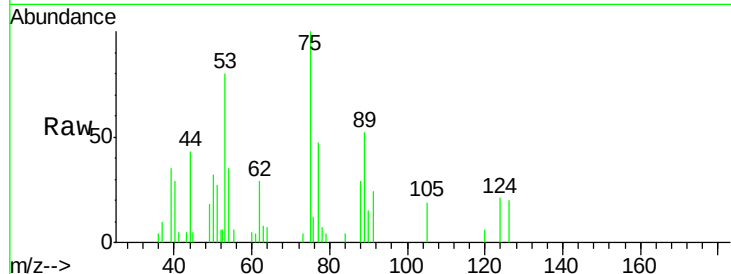
#81
trans-1,4-Dichloro-2-butene
Concen: 5.719 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.4	61.7	92.5
89	51.7	40.3	60.5

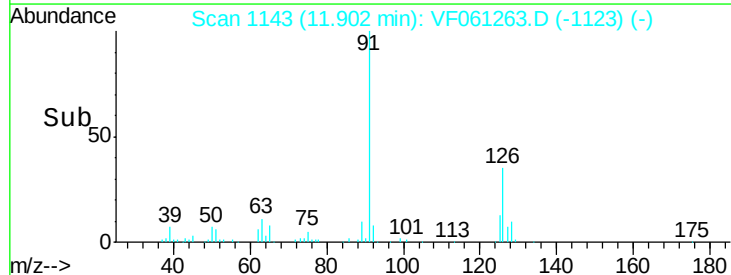
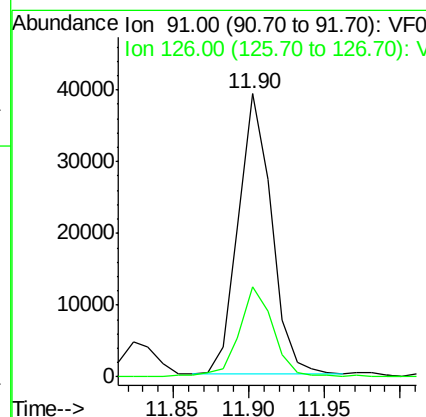
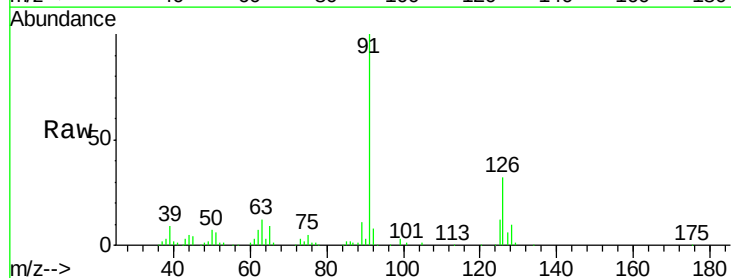
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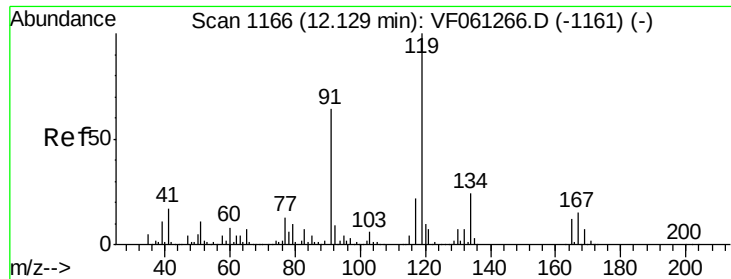
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#82
4-Chlorotoluene
Concen: 5.175 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.3	48.8





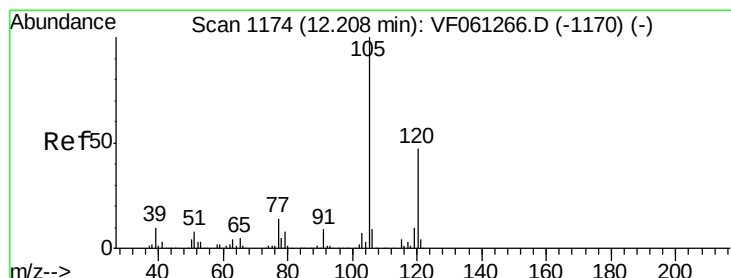
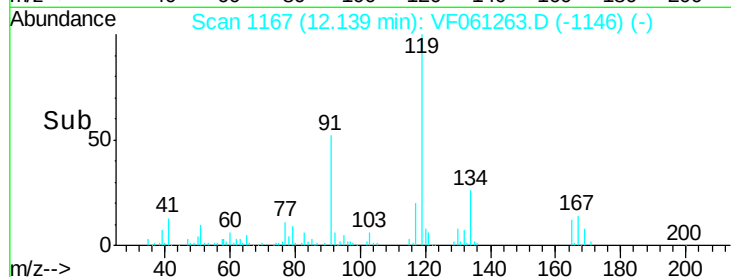
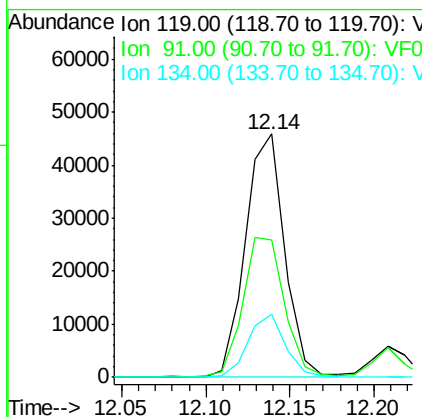
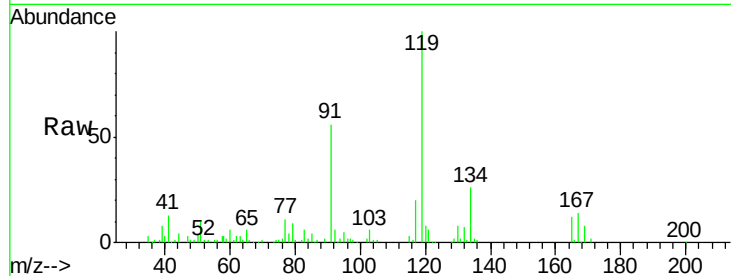
#83
 tert-Butylbenzene
 Concen: 5.452 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	32.0	96.0
134	25.9	12.1	36.3

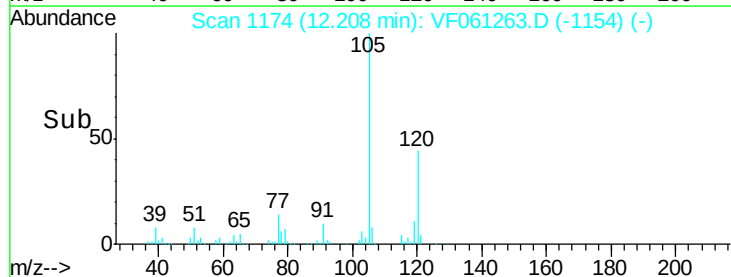
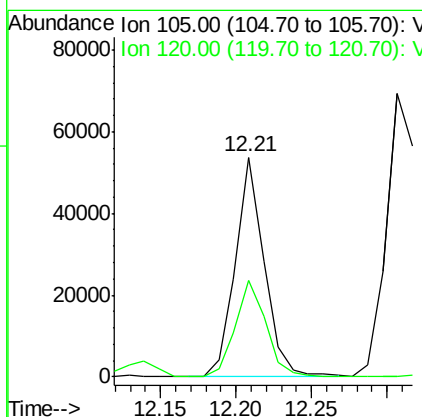
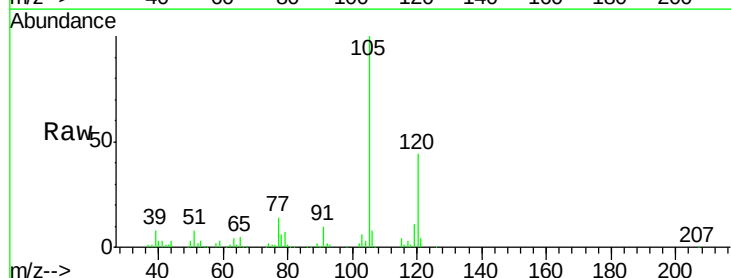
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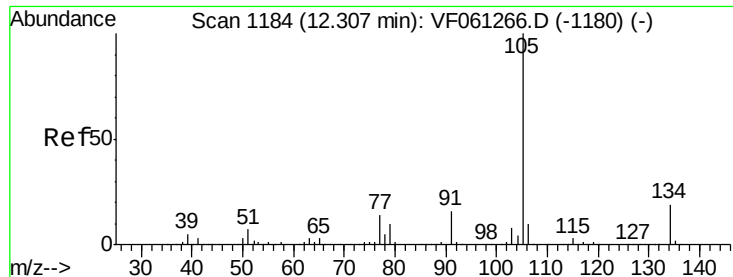
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.421 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	23.3	69.9





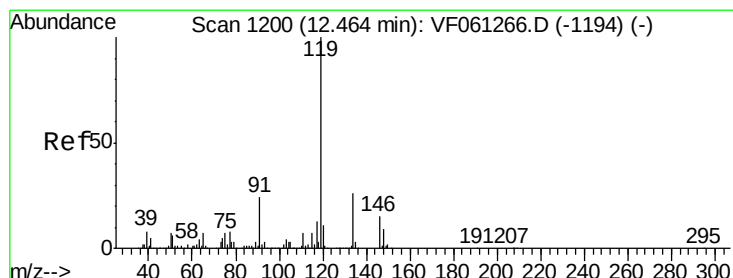
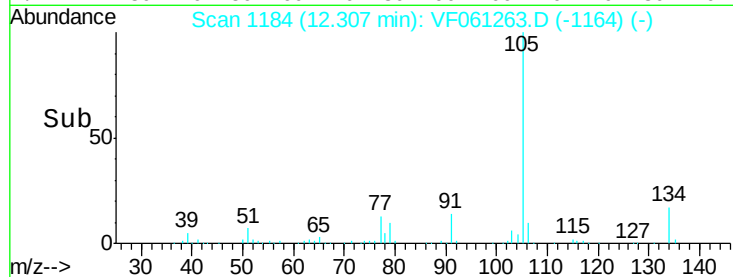
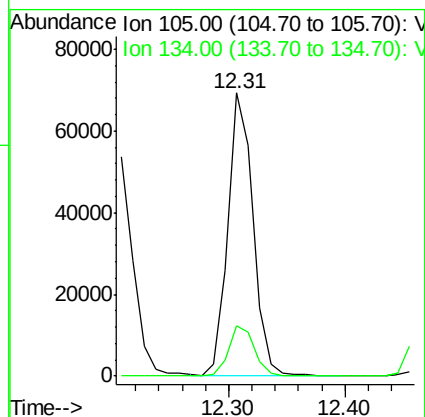
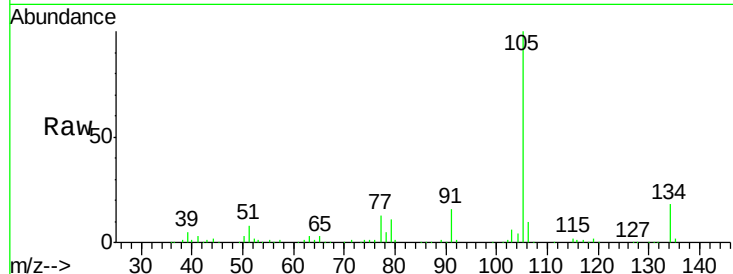
#85
 sec-Butylbenzene
 Concen: 5.827 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 104444
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.4 28.2

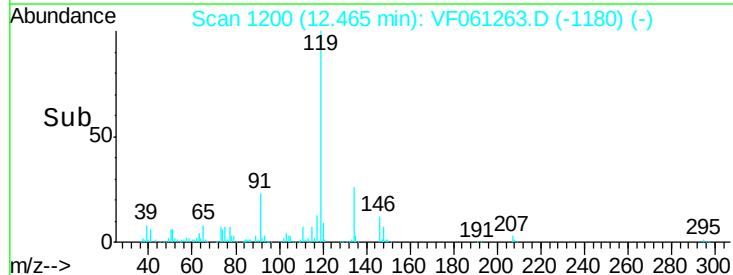
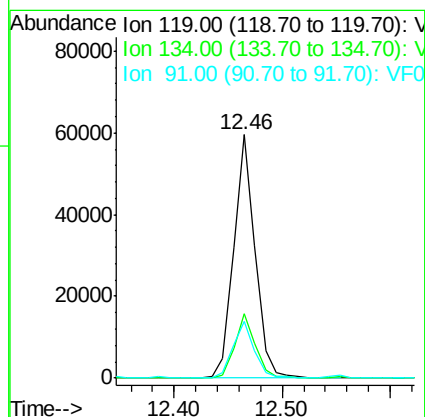
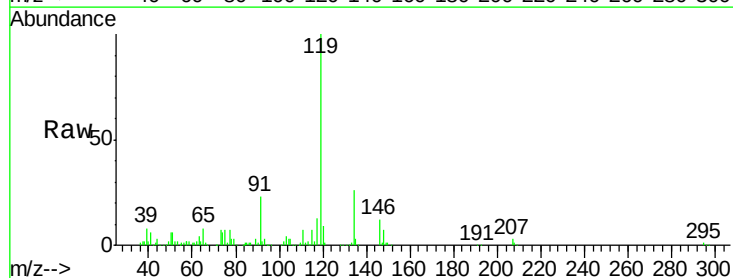
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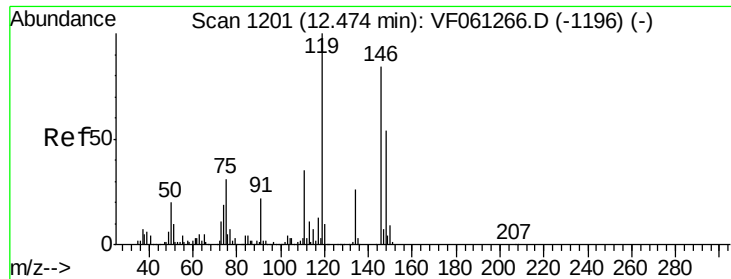
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#86
 p-Isopropyltoluene
 Concen: 5.523 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Tgt Ion:119 Resp: 82326
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.6
 91 23.1 11.9 35.7





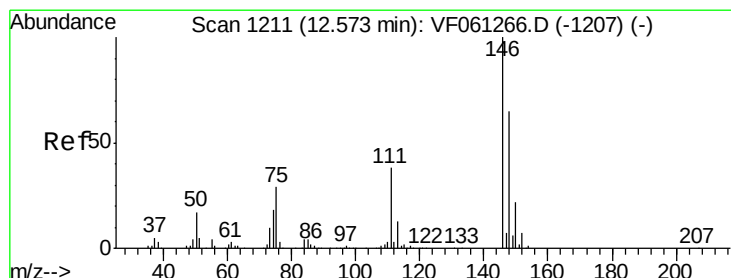
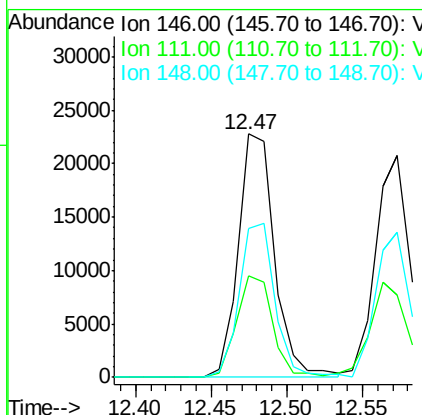
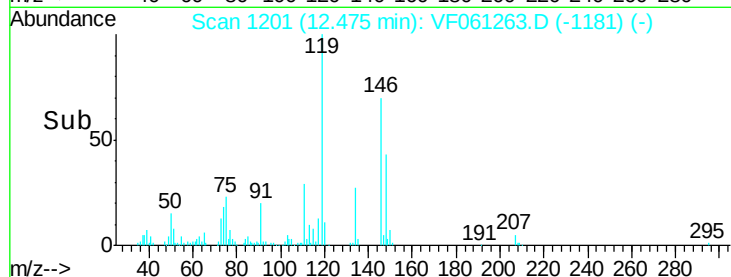
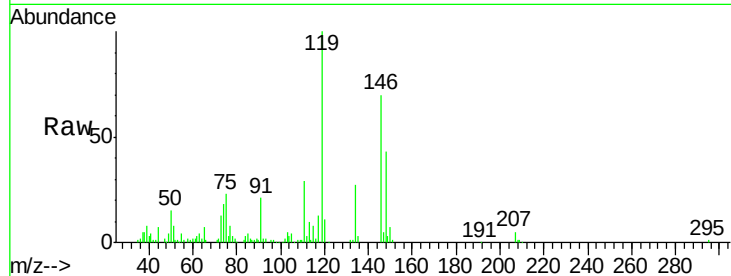
#87
 1,3-Dichlorobenzene
 Concen: 5.783 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	60.9	32.5	97.4

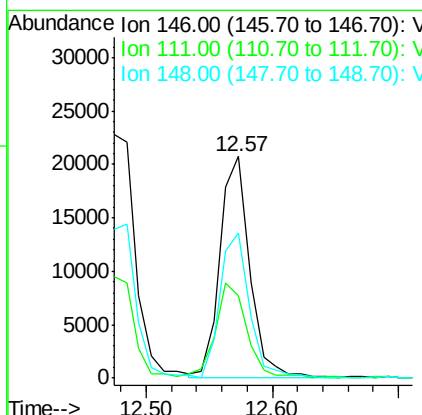
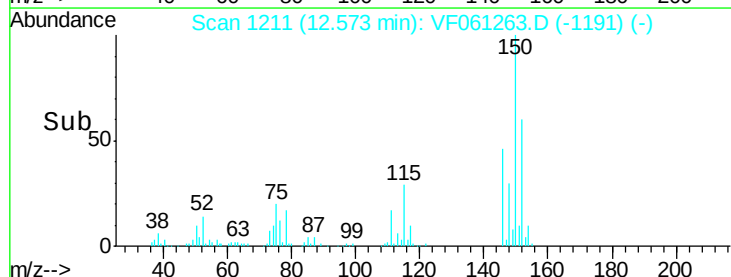
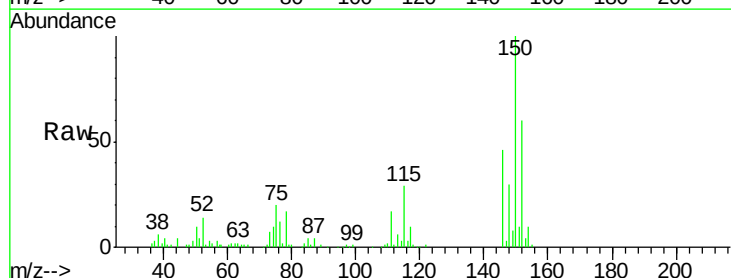
Manual Integrations
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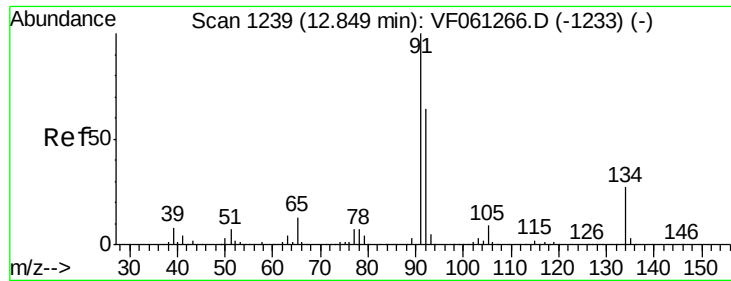
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#88
 1,4-Dichlorobenzene
 Concen: 5.291 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	65.7	32.6	98.0





#89

n-Butylbenzene

Concen: 5.624 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Instrument :

MSVOA_F

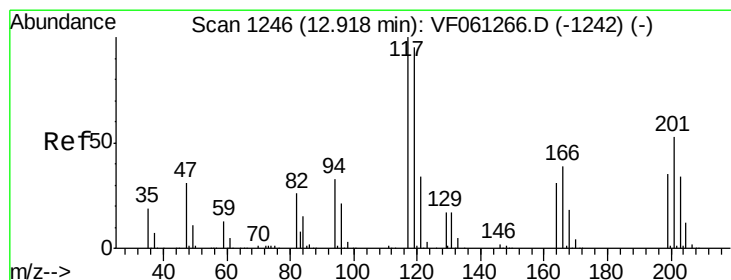
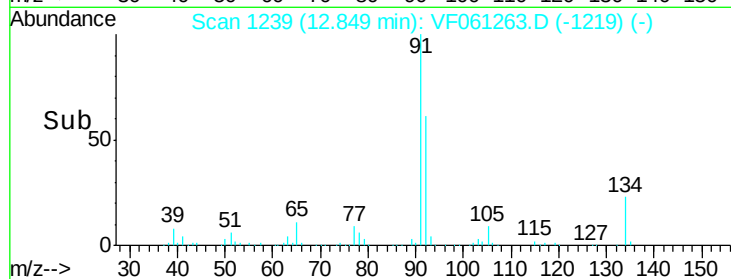
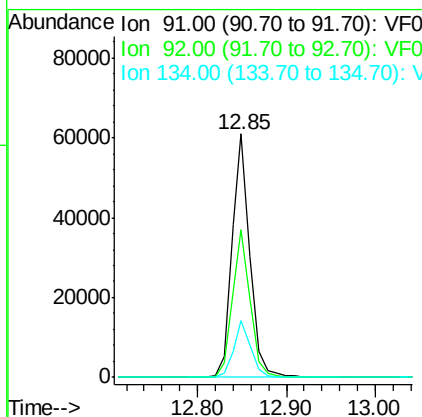
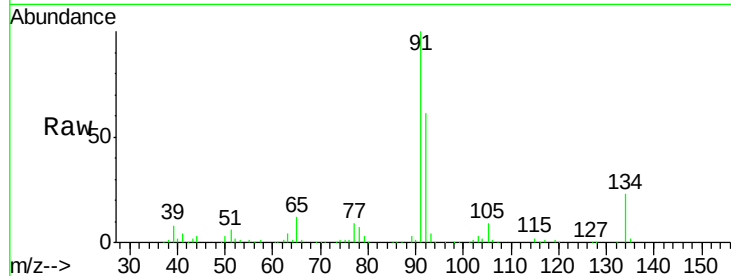
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	86572
Ion	Ratio	Lower	Upper
91	100		
92	60.7	31.9	95.7
134	23.2	13.6	40.7

Manual Integrations
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#90

Hexachloroethane

Concen: 5.051 ug/l

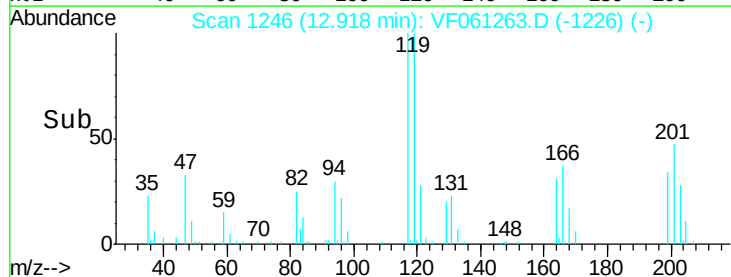
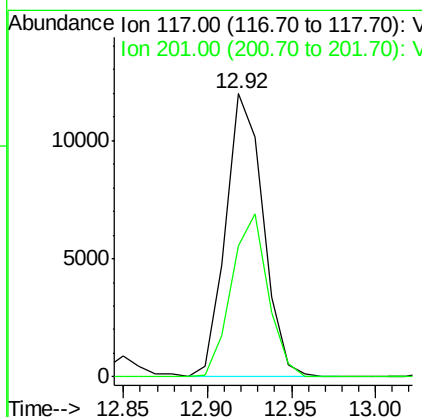
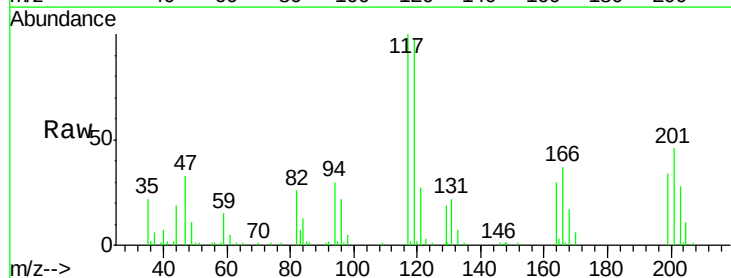
RT: 12.92 min Scan# 1246

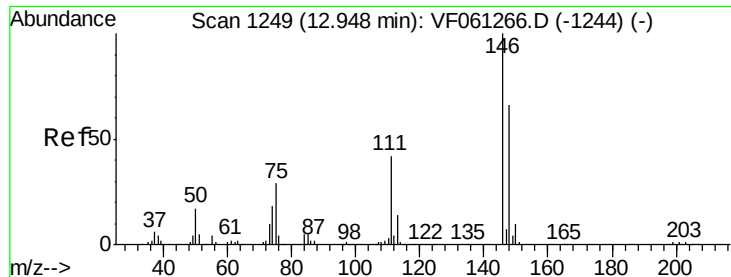
Delta R.T. 0.00 min

Lab File: VF061263.D

Acq: 3 Jan 2019 13:17

Tgt Ion:	117	Resp:	18584
Ion	Ratio	Lower	Upper
117	100		
201	46.2	26.6	79.7





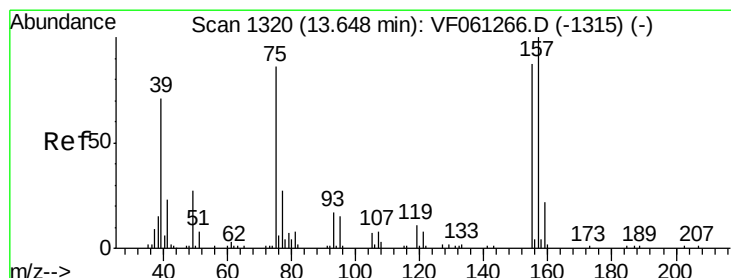
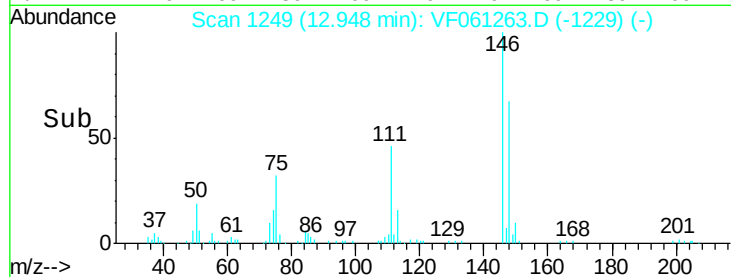
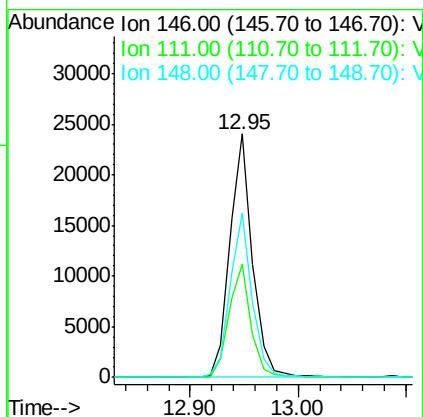
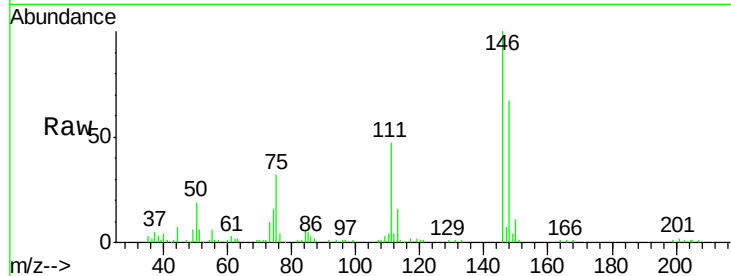
#91
 1,2-Dichlorobenzene
 Concen: 5.618 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.1	63.4
148	67.3	32.8	98.4

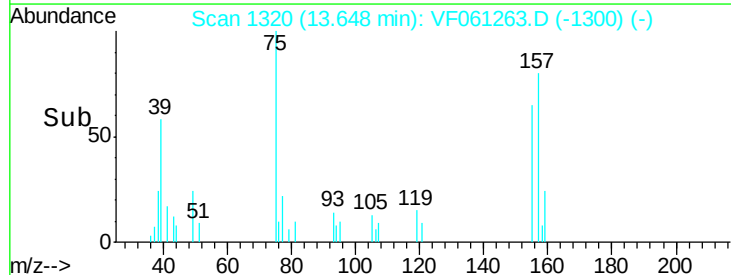
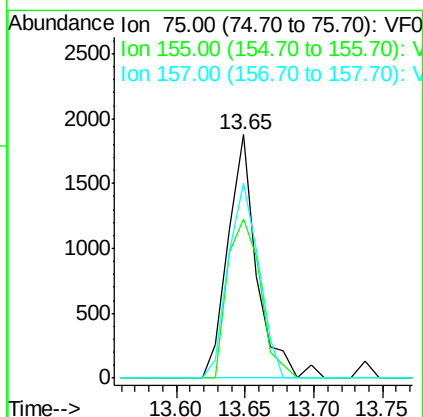
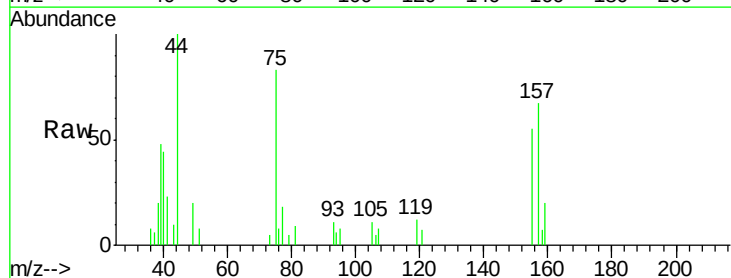
Manual Integrations
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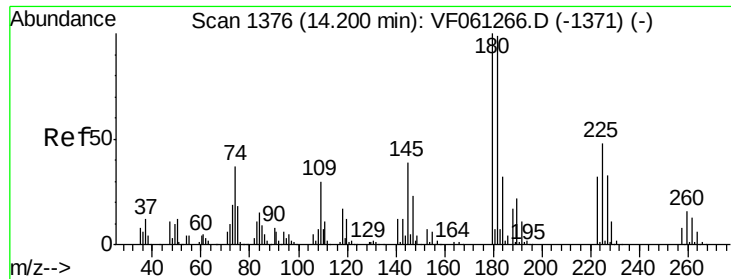
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.660 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.4	50.6	151.8
157	80.3	58.0	173.9





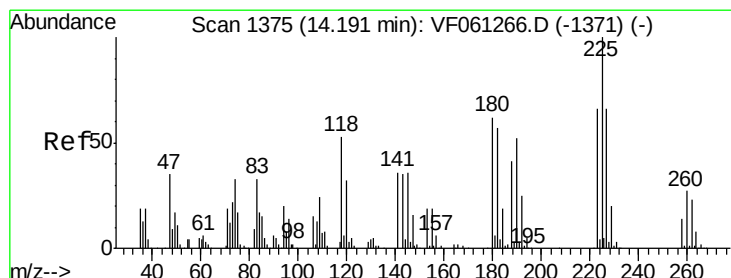
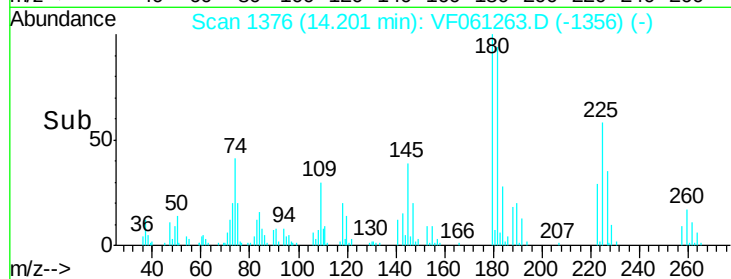
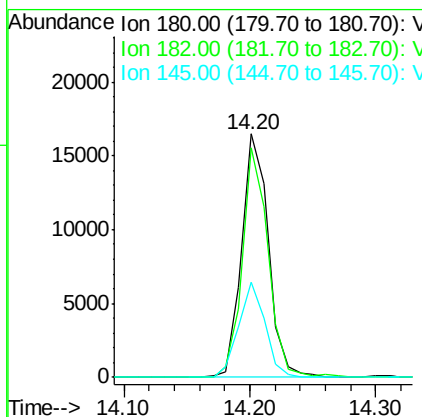
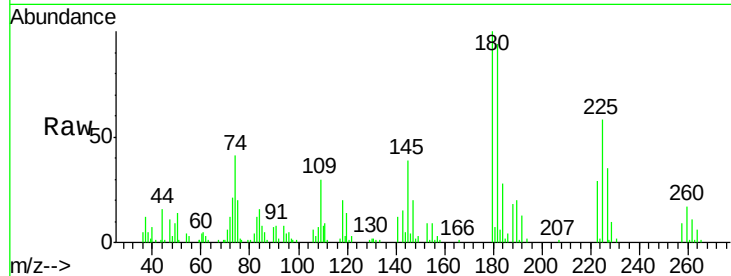
#93
 1,2,4-Trichlorobenzene
 Concen: 5.479 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	49.5	148.3
145	38.9	19.7	59.0

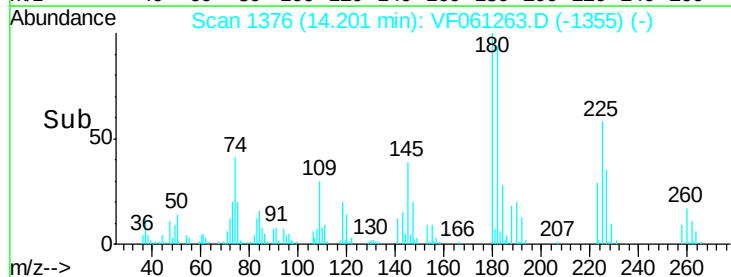
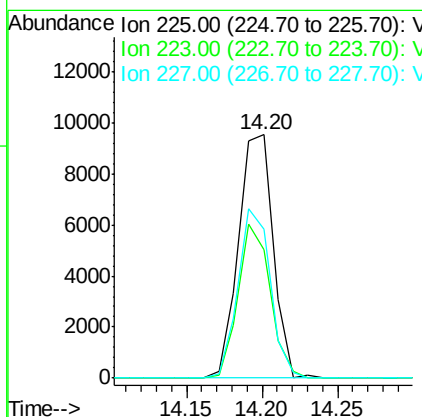
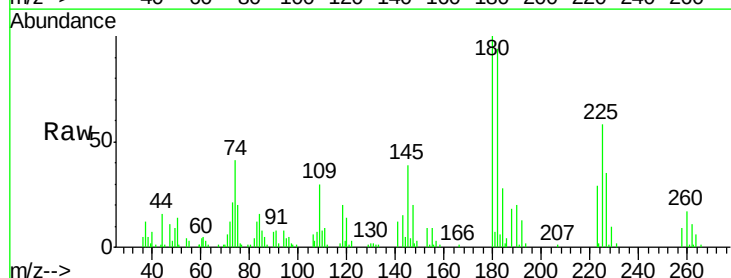
Manual Integrations
 APPROVED

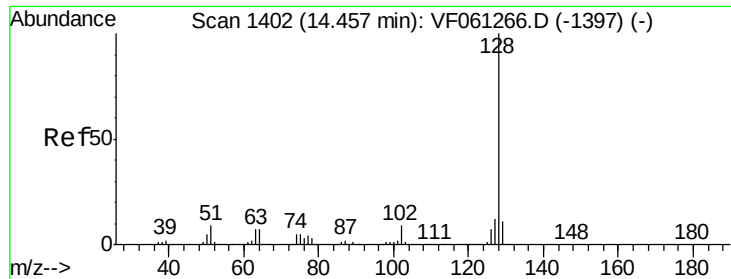
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#94
 Hexachlorobutadiene
 Concen: 5.406 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061263.D
 Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	52.7	33.0	99.0
227	61.2	32.8	98.4





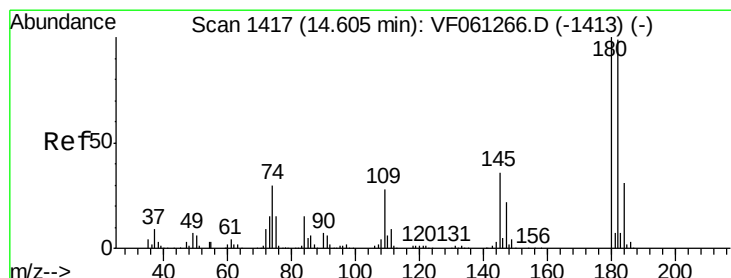
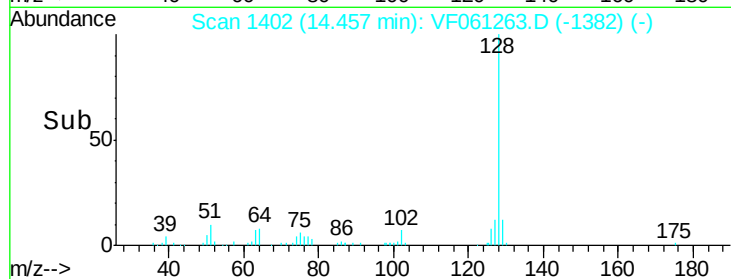
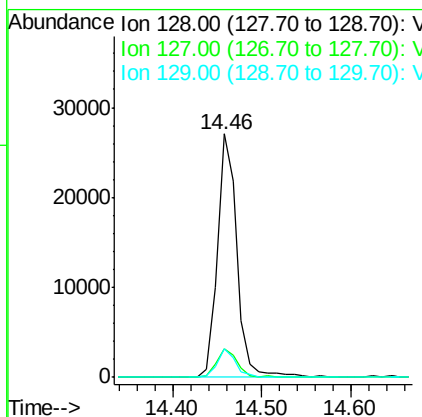
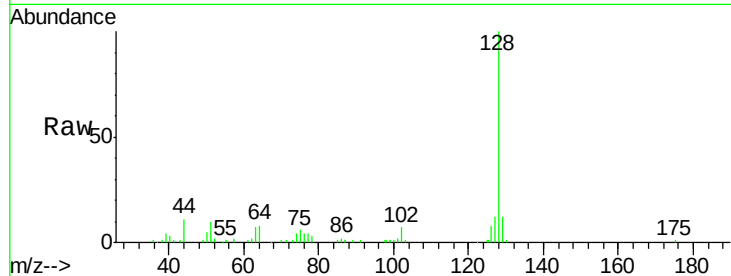
#95
Naphthalene
Concen: 5.207 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.8	14.6
129	11.7	9.0	13.4

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.280 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061263.D
Acq: 3 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.0	49.5	148.5
145	36.2	18.0	54.0

