

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059867.D
 Acq On : 4 Aug 2018 5:40
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 04 06:26:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	198012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	302673	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	296633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	187108	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	347827	96.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.34%	
35) Dibromofluoromethane	4.30	113	274614	86.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.48%	
50) Toluene-d8	7.71	98	652141	89.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.24%	
62) 4-Bromofluorobenzene	11.52	95	356472	88.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	330521	114.281	ug/l	99
3) Chloromethane	1.09	50	155955	110.586	ug/l	98
4) Vinyl Chloride	1.16	62	166817	114.965	ug/l	92
5) Bromomethane	1.34	94	139035	115.749	ug/l	98
6) Chloroethane	1.42	64	103621	113.563	ug/l	98
7) Trichlorofluoromethane	1.53	101	295131	76.380	ug/l	95
8) Diethyl Ether	1.71	74	69071	107.123	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	219105	108.374	ug/l	98
10) Methyl Iodide	1.96	142	370798	115.475	ug/l	99
11) Tert butyl alcohol	2.69	59	73567	464.901	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	176221	109.625	ug/l	88
13) Acrolein	2.09	56	44821	652.377	ug/l	97
14) Allyl chloride	2.19	41	290367	112.686	ug/l	96
15) Acrylonitrile	3.08	53	142706	544.695	ug/l #	89
16) Acetone	2.34	43	322792	497.374	ug/l	97
17) Carbon Disulfide	1.90	76	351106	87.740	ug/l	97
18) Methyl Acetate	2.46	43	107367	88.589	ug/l #	90
19) Methyl tert-butyl Ether	2.54	73	506050	106.102	ug/l	96
20) Methylene Chloride	2.28	84	81280	43.742	ug/l	89
21) trans-1,2-Dichloroethene	2.42	96	175183	108.802	ug/l	96
22) Diisopropyl ether	2.93	45	578307	108.184	ug/l	91
23) Vinyl Acetate	3.33	43	1417422	522.125	ug/l	97
24) 1,1-Dichloroethane	3.00	63	400451	106.868	ug/l	100
25) 2-Butanone	4.52	43	367929	526.289	ug/l	96
26) 2,2-Dichloropropane	3.77	77	221992	86.051	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	204555	103.600	ug/l	90
28) Bromochloromethane	3.90	49	144638	99.452	ug/l	90
29) Tetrahydrofuran	4.25	42	135060	489.175	ug/l	99
30) Chloroform	4.04	83	521730	99.820	ug/l	94
31) Cyclohexane	3.87	56	213795	105.219	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	412647	100.708	ug/l	95
36) 1,1-Dichloropropene	4.47	75	335879	93.273	ug/l	98
37) Ethyl Acetate	4.29	43	148219	84.569	ug/l #	77
38) Carbon Tetrachloride	4.17	117	502892	101.831	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	250014	92.016	ug/l	96
40) Benzene	4.81	78	569802	91.180	ug/l	98
41) Methacrylonitrile	4.92	41	71479	83.008	ug/l #	86
42) 1,2-Dichloroethane	5.12	62	435330	97.547	ug/l	100
43) Isopropyl Acetate	7.12	43	169597	94.429	ug/l #	99
44) Trichloroethene	5.68	130	212570	87.728	ug/l	98
45) 1,2-Dichloropropane	6.41	63	159602	97.214	ug/l	91
46) Dibromomethane	6.26	93	152164	97.332	ug/l	92
47) Bromodichloromethane	6.56	83	417511	97.413	ug/l	100
48) Methyl methacrylate	6.88	41	133912	98.488	ug/l	94
49) 1,4-Dioxane	6.86	88	18331	1749.018	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	795010	556.612	ug/l	97
52) Toluene	7.79	92	437188	94.261	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	328577	90.200	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	353750	99.174	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	154211	92.811	ug/l	98
56) Ethyl methacrylate	8.77	69	178928	104.087	ug/l	88
57) 1,3-Dichloropropane	9.00	76	274024	95.097	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	98750	472.106	ug/l	100
59) 2-Hexanone	9.63	43	575055	509.737	ug/l	96
60) Dibromochloromethane	8.86	129	294309	98.484	ug/l	100
61) 1,2-Dibromoethane	9.14	107	193918	98.319	ug/l	94
64) Tetrachloroethene	8.31	164	253543	104.810	ug/l	98
65) Chlorobenzene	9.95	112	581271	95.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	267837	93.894	ug/l	98
67) Ethyl Benzene	10.05	91	984911	93.345	ug/l	97
68) m/p-Xylenes	10.27	106	692364	187.213	ug/l	91
69) o-Xylene	10.84	106	389329	99.531	ug/l	92
70) Styrene	10.90	104	564271	96.312	ug/l	98
71) Bromoform	10.89	173	175767	95.952	ug/l #	97
73) Isopropylbenzene	11.23	105	1166406	93.104	ug/l	99
74) N-amyl acetate	11.47	43	300278	97.167	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	212647	91.710	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	182364	91.741	ug/l	91
77) Bromobenzene	11.59	156	308864	94.729	ug/l	87
78) n-propylbenzene	11.69	91	1280408	87.646	ug/l	96
79) 2-Chlorotoluene	11.82	91	853072	93.949	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	1039868	92.149	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	105230	131.542	ug/l #	88
82) 4-Chlorotoluene	11.99	91	886597	91.490	ug/l	98
83) tert-Butylbenzene	12.22	119	1026112	91.627	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1082309	95.551	ug/l	97
85) sec-Butylbenzene	12.39	105	1331300	92.329	ug/l	97
86) p-Isopropyltoluene	12.54	119	1145965	90.107	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	541653	87.114	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	574500	94.465	ug/l	97
89) n-Butylbenzene	12.93	91	1067933	89.286	ug/l	94
90) Hexachloroethane	12.99	117	310506	97.267	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	547149	90.995	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	59797	103.718	ug/l	88

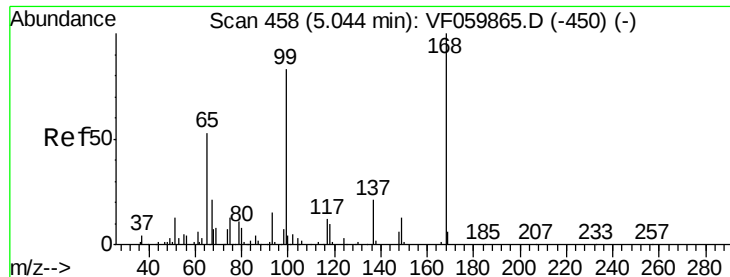
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 05:27:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	429586	91.939	ug/l	94
94) Hexachlorobutadiene	14.26	225	285234	91.075	ug/l	98
95) Naphthalene	14.52	128	842216	103.032	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	438720	96.673	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

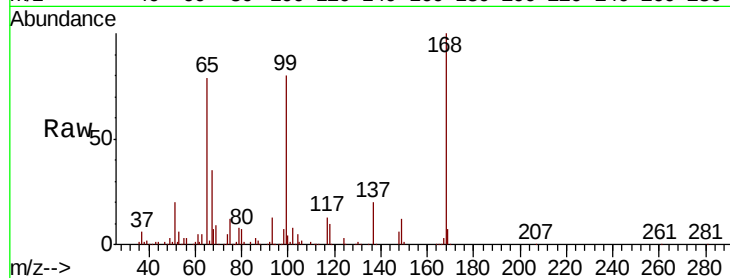
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 198012

Ion Ratio Lower Upper

168 100

99 80.2 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

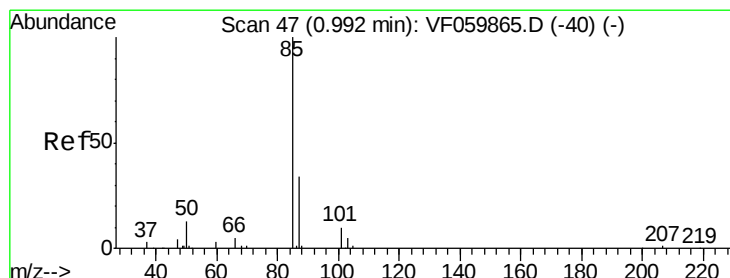
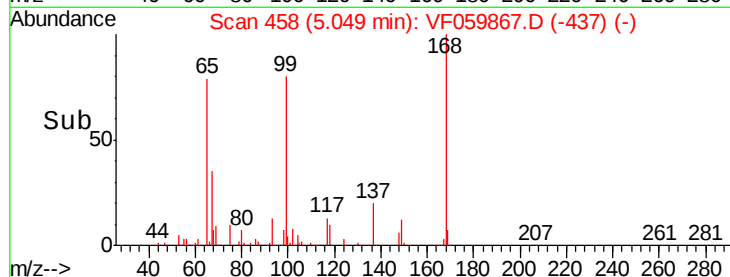
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 114.281 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059867.D

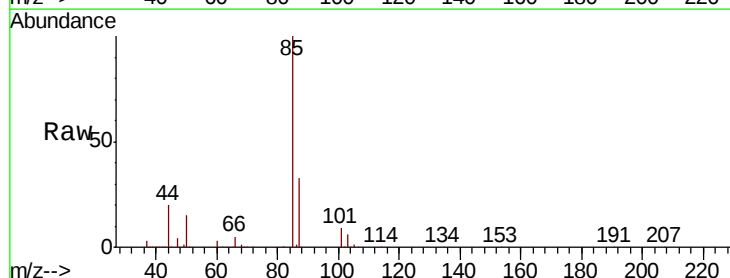
Acq: 4 Aug 2018 5:40

Tgt Ion: 85 Resp: 330521

Ion Ratio Lower Upper

85 100

87 33.2 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

120000

100000

80000

60000

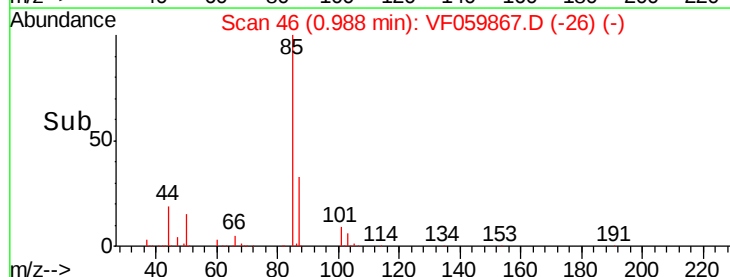
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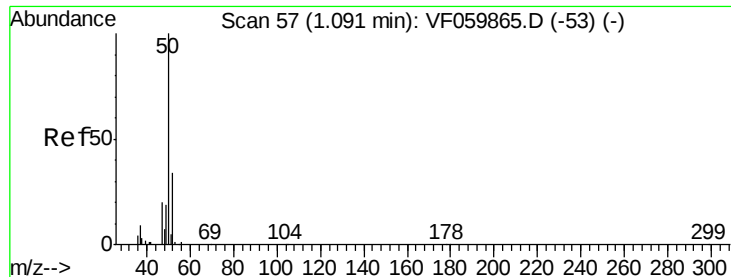
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 110.586 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

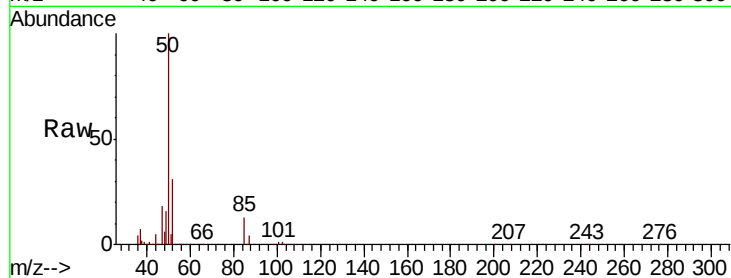
ClientSampleId :

Tot Ion: 50 Resp: 155955

Ion Ratio Lower Upper

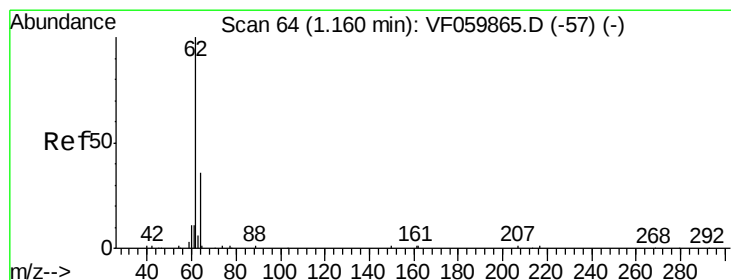
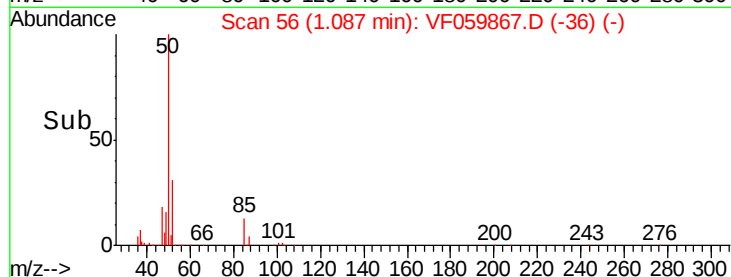
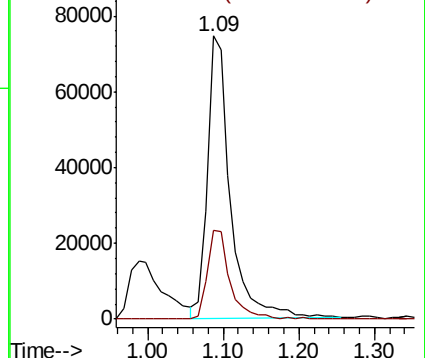
50 100

52 31.2 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 114.965 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059867.D

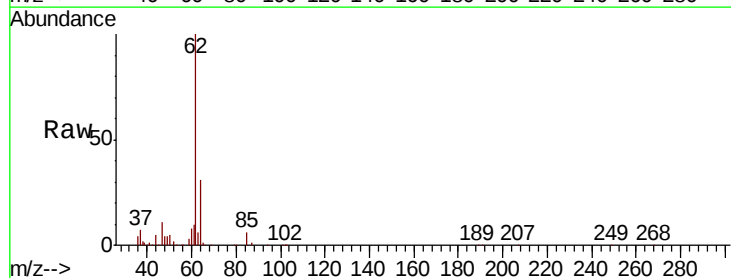
Acq: 4 Aug 2018 5:40

Tgt Ion: 62 Resp: 166817

Ion Ratio Lower Upper

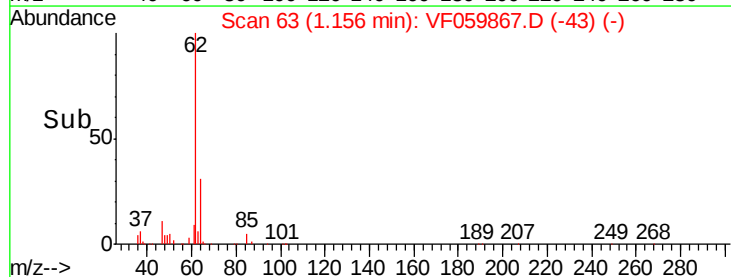
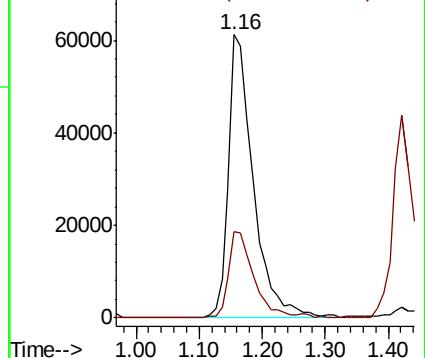
62 100

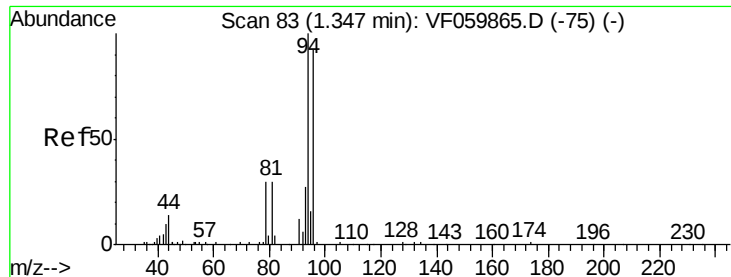
64 30.7 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 115.749 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

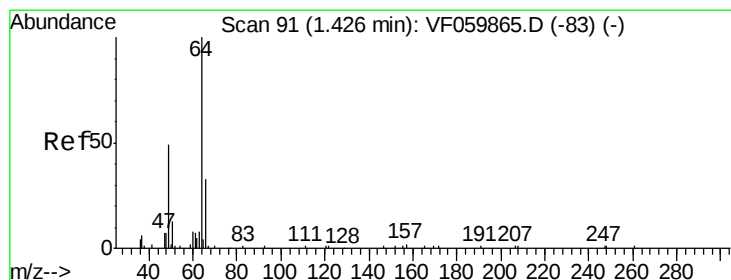
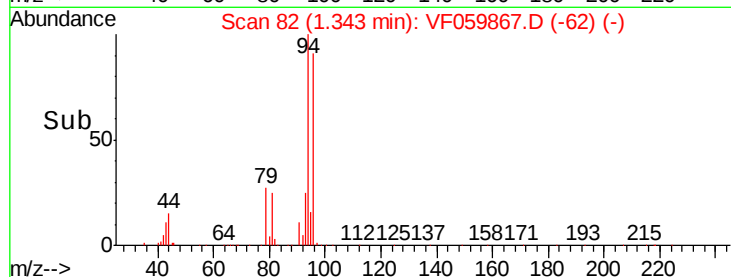
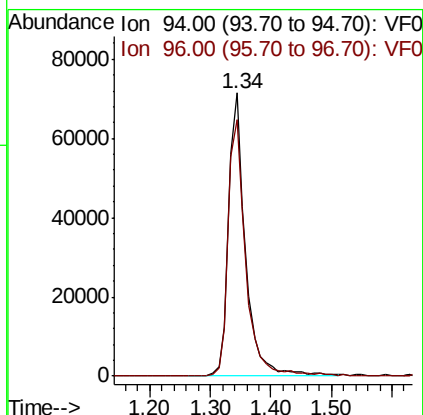
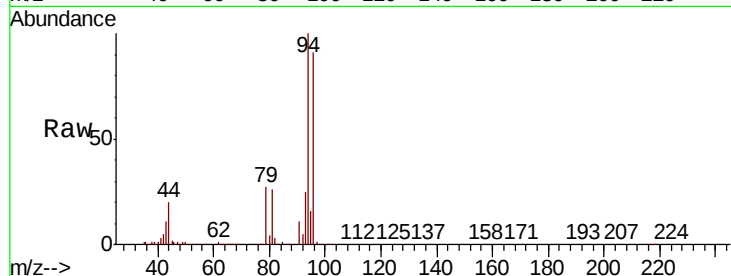
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 139035

Ion Ratio Lower Upper

94 100

96 90.5 73.8 110.8



#6

Chloroethane

Concen: 113.563 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059867.D

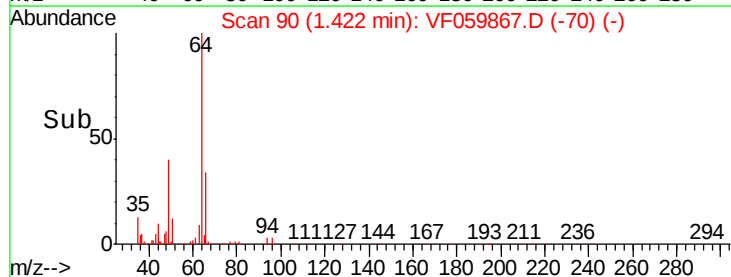
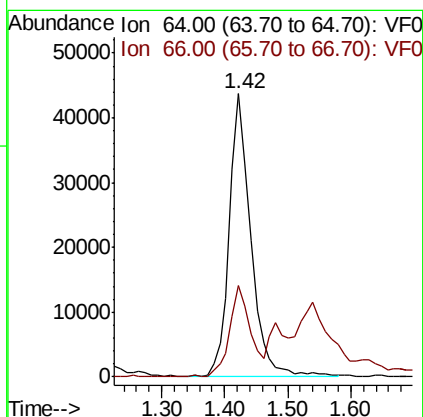
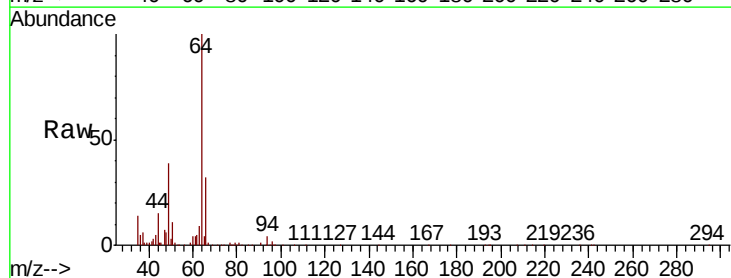
Acq: 4 Aug 2018 5:40

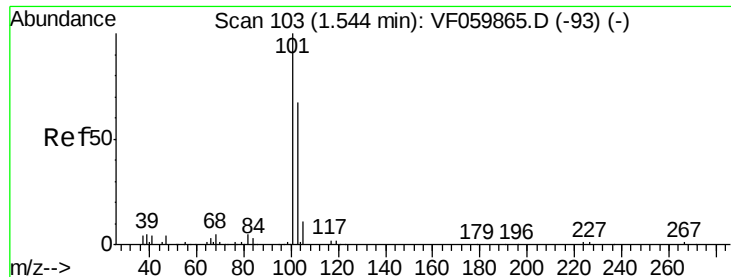
Tgt Ion: 64 Resp: 103621

Ion Ratio Lower Upper

64 100

66 32.2 26.9 40.3



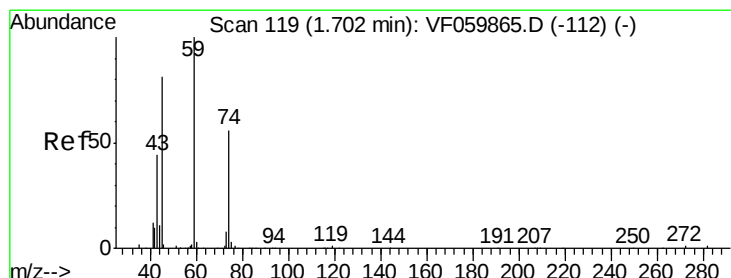
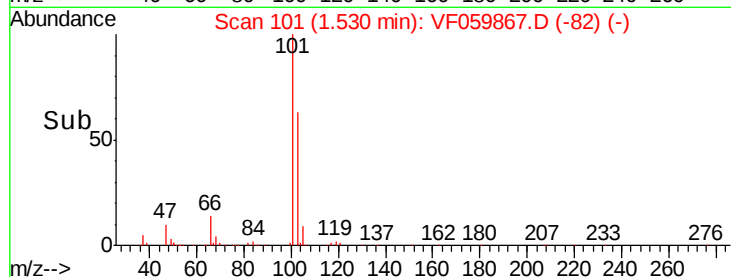
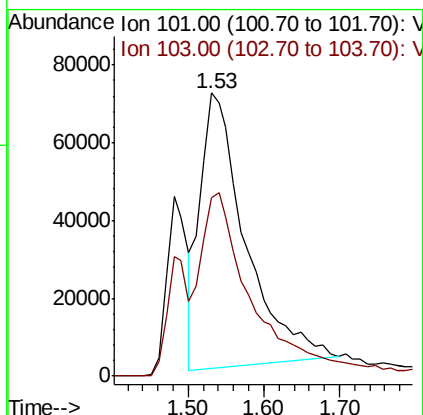
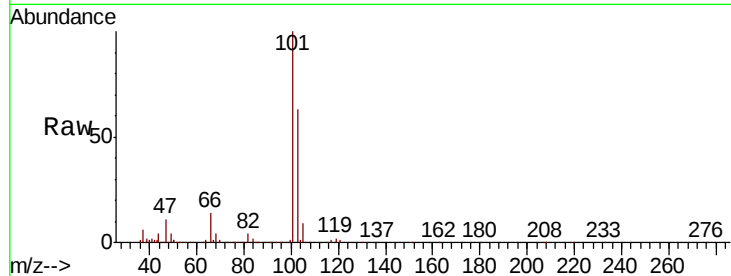


#7

Trichlorofluoromethane
Concen: 76.380 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampled :

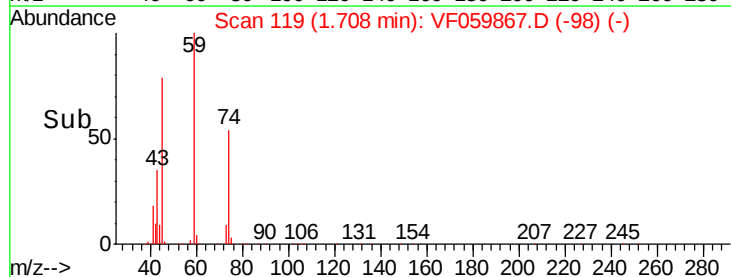
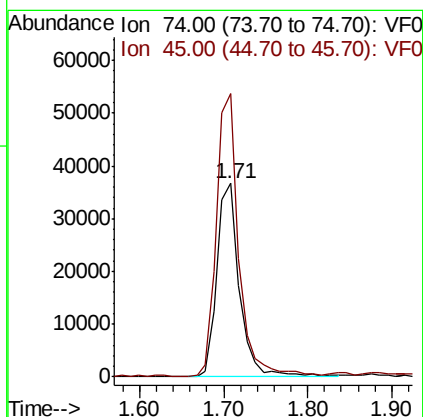
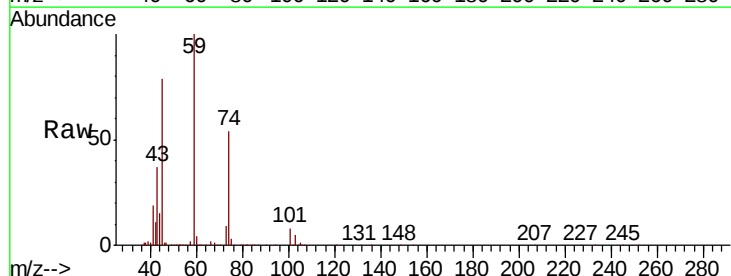
Tot Ion:101 Resp: 295131
Ion Ratio Lower Upper
101 100
103 63.0 53.6 80.4

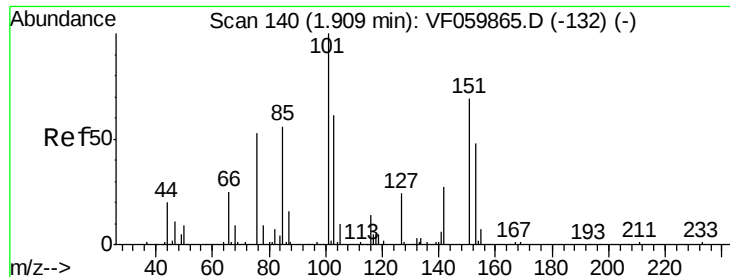


#8

Diethyl Ether
Concen: 107.123 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 74 Resp: 69071
Ion Ratio Lower Upper
74 100
45 146.5 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.374 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

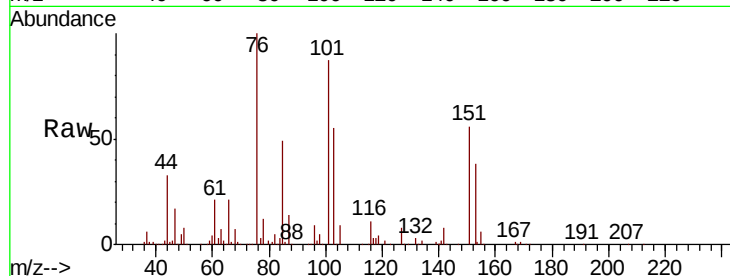
Tot Ion:101 Resp: 219105

Ion Ratio Lower Upper

101 100

85 56.5 44.5 66.7

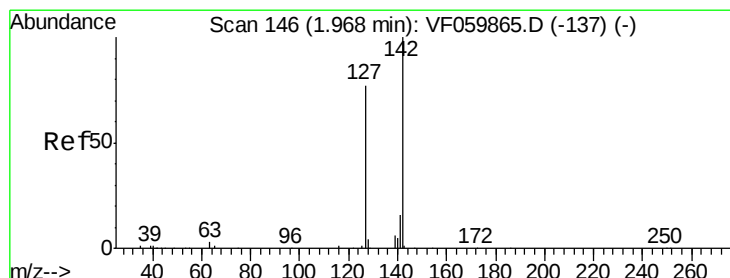
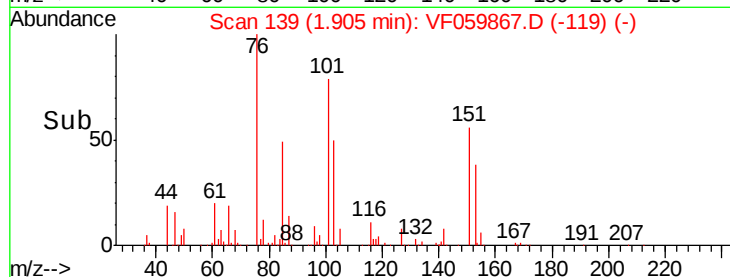
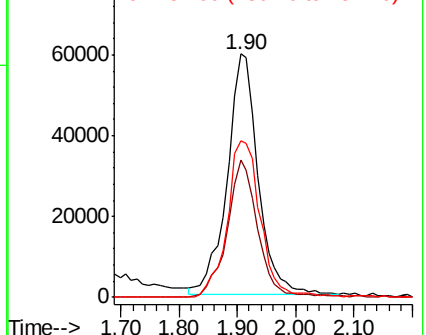
151 64.5 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 115.475 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

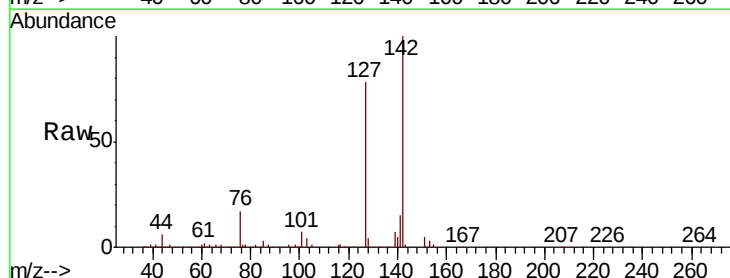
Tgt Ion:142 Resp: 370798

Ion Ratio Lower Upper

142 100

127 77.5 61.5 92.3

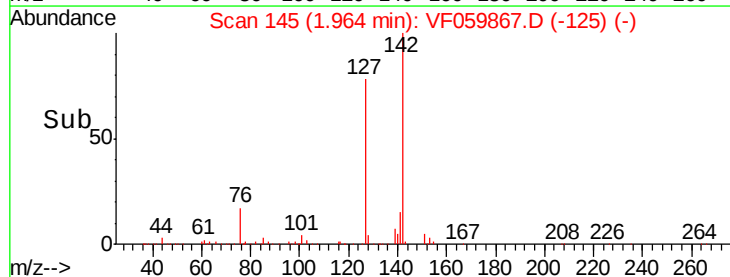
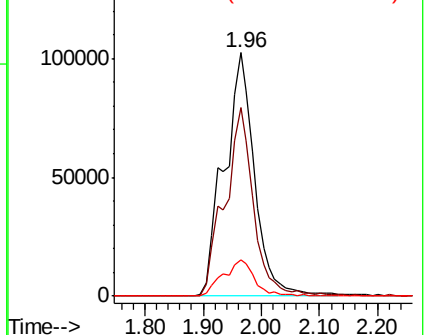
141 15.1 13.0 19.4

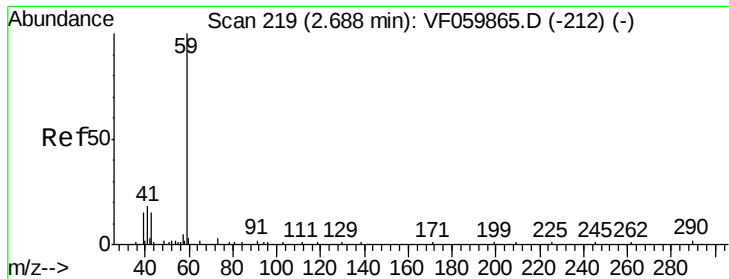


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



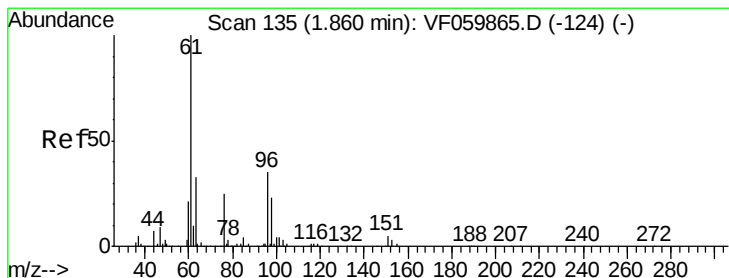
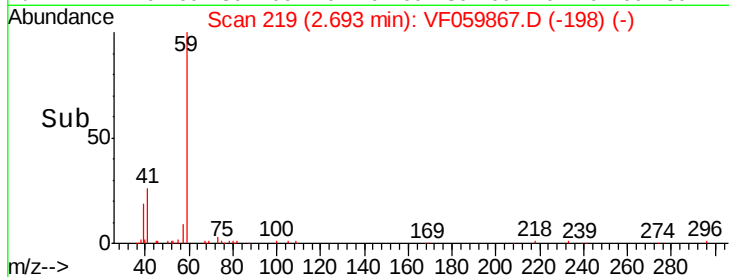
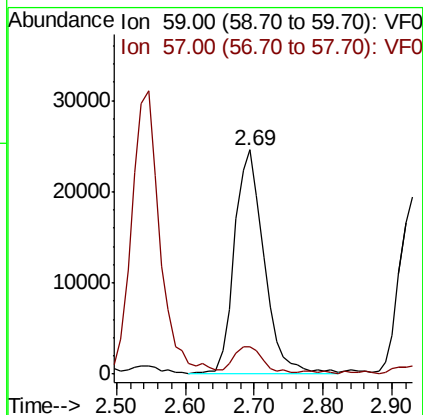
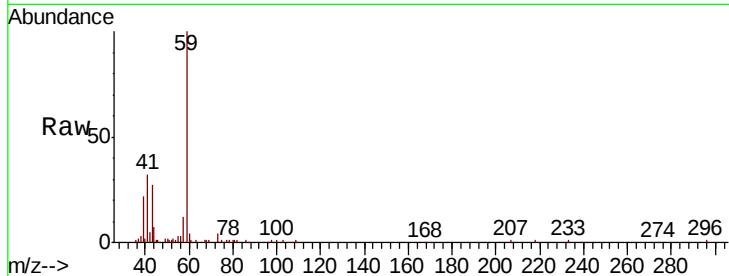


#11

Tert butyl alcohol
Concen: 464.901 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :

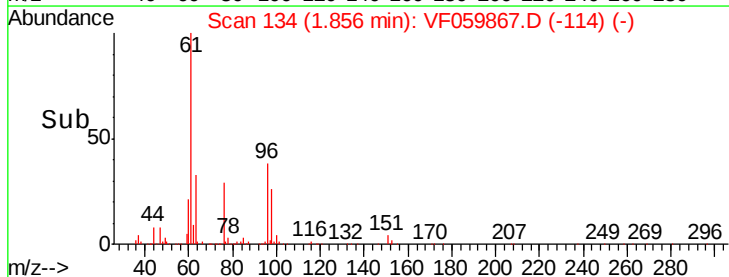
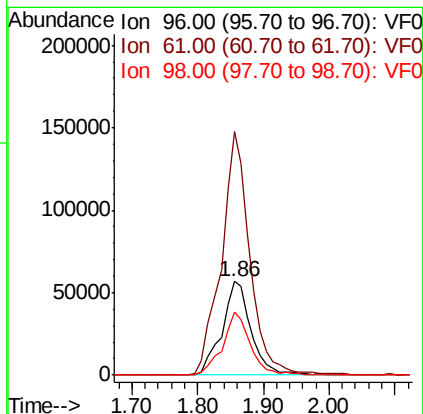
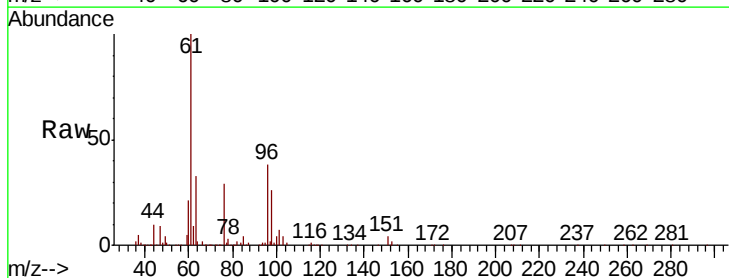
Tot Ion: 59 Resp: 73567
Ion Ratio Lower Upper
59 100
57 12.0 7.6 11.4#

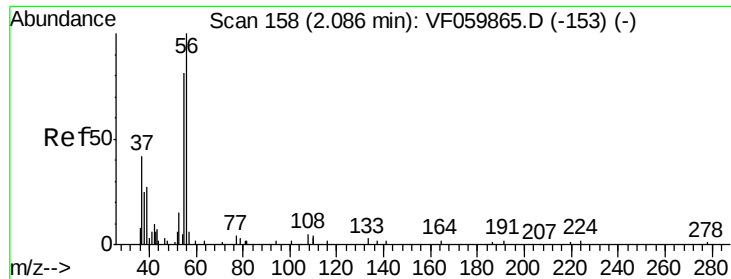


#12

1,1-Dichloroethene
Concen: 109.625 ug/l
RT: 1.86 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 96 Resp: 176221
Ion Ratio Lower Upper
96 100
61 260.1 230.2 345.2
98 67.6 52.7 79.1

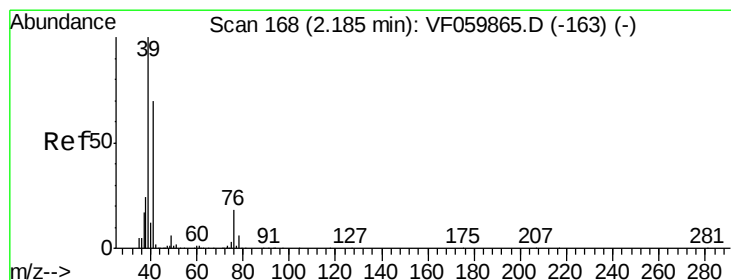
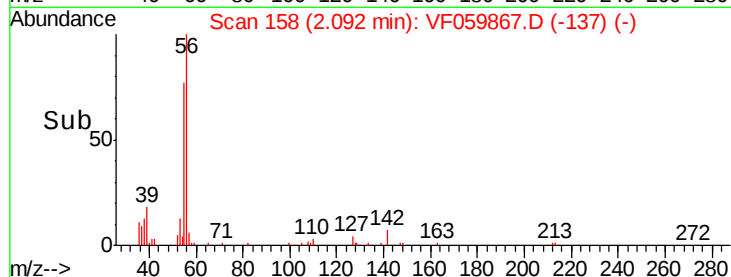
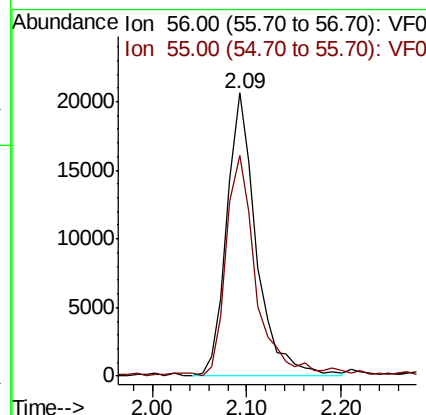
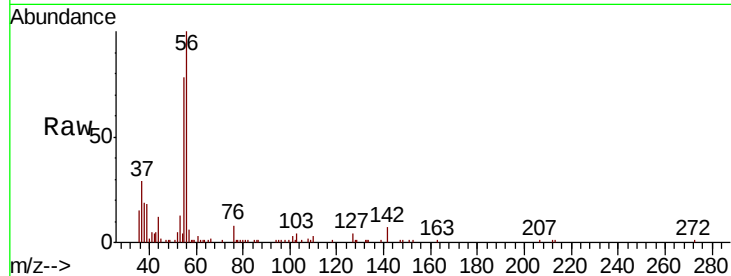




#13
Acrolein
Concen: 652.377 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

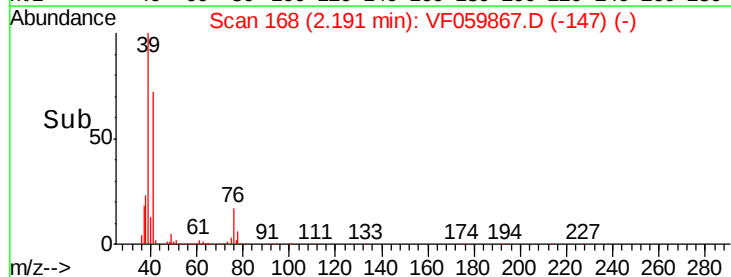
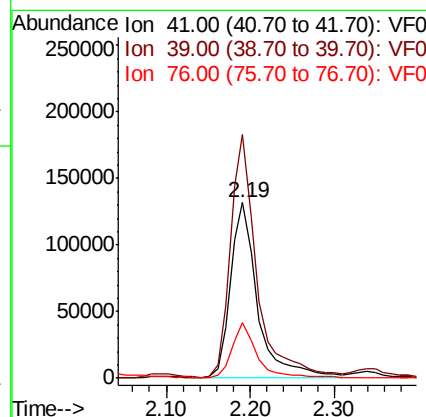
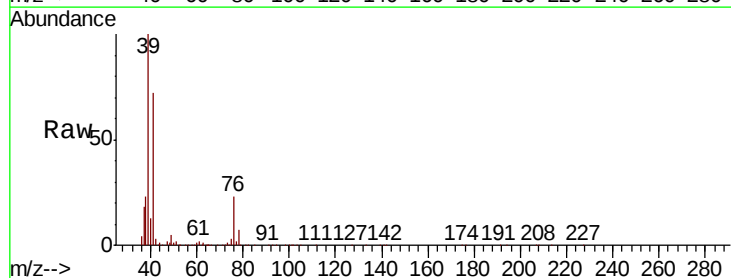
Instrument :
MSVOA_F
ClientSampleId :

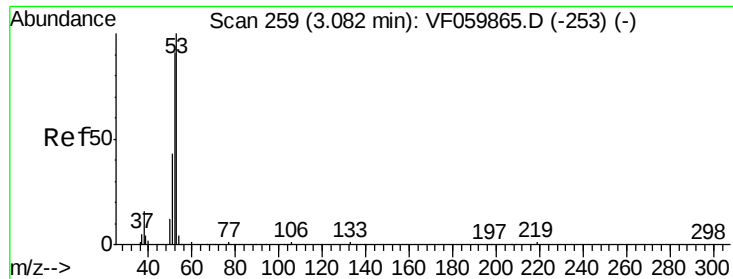
Tot Ion: 56 Resp: 44821
Ion Ratio Lower Upper
56 100
55 78.0 64.6 96.8



#14
Allyl chloride
Concen: 112.686 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 41 Resp: 290367
Ion Ratio Lower Upper
41 100
39 139.0 114.6 171.8
76 31.3 21.0 31.4





#15

Acrylonitrile

Concen: 544.695 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

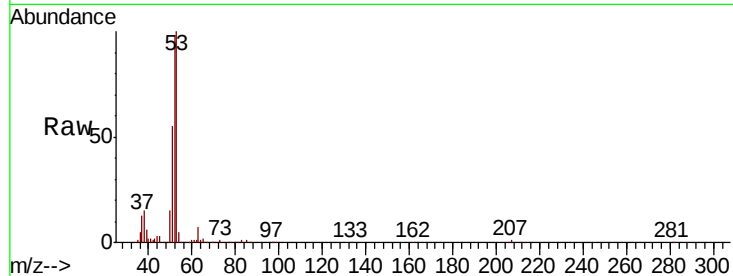
Tot Ion: 53 Resp: 142706

Ion Ratio Lower Upper

53 100

52 98.4 72.9 109.3

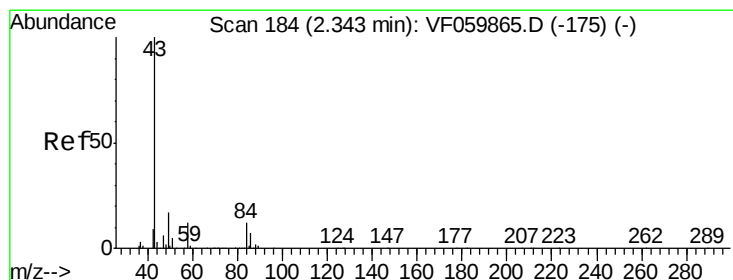
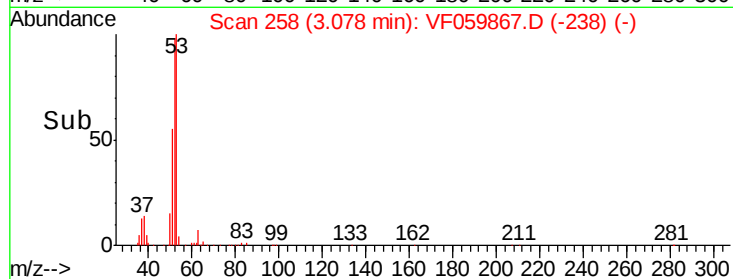
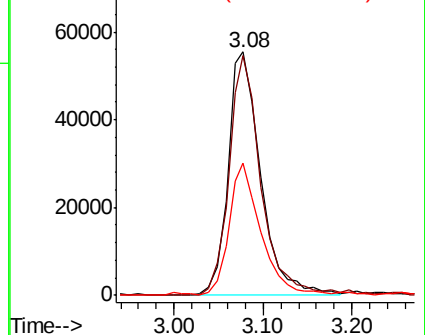
51 54.5 34.5 51.7#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 497.374 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059867.D

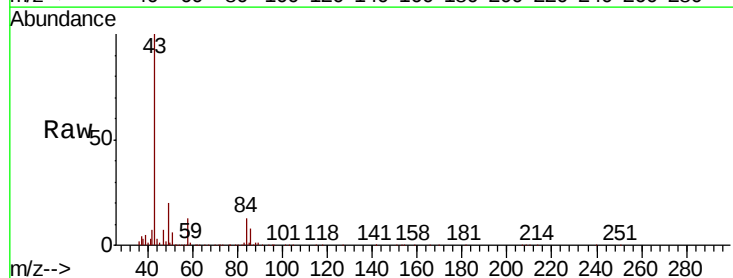
Acq: 4 Aug 2018 5:40

Tgt Ion: 43 Resp: 322792

Ion Ratio Lower Upper

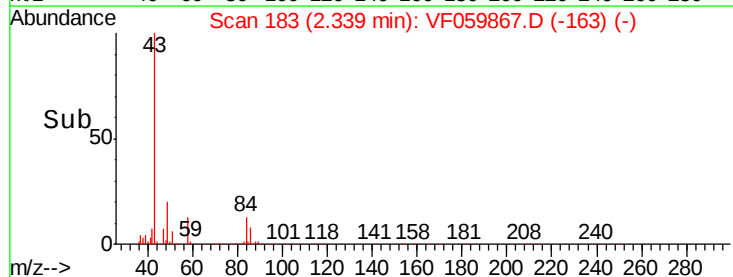
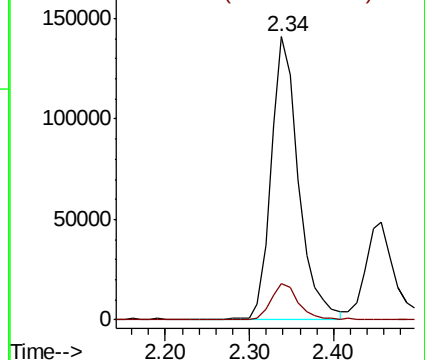
43 100

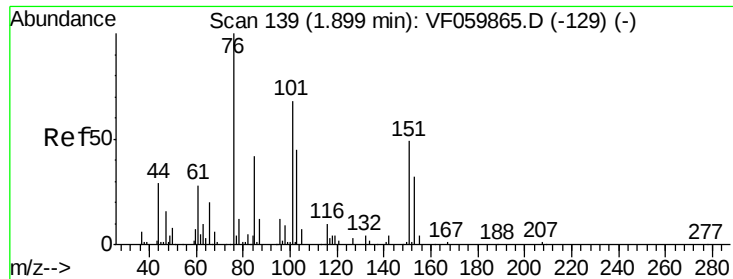
58 12.7 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

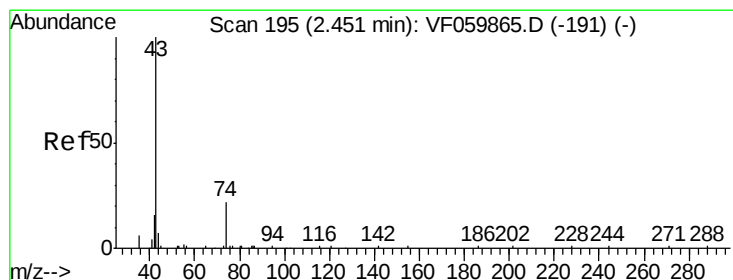
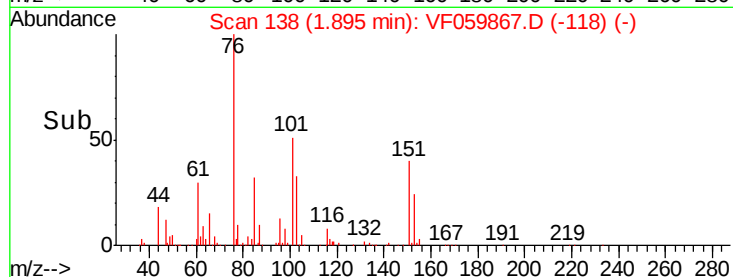
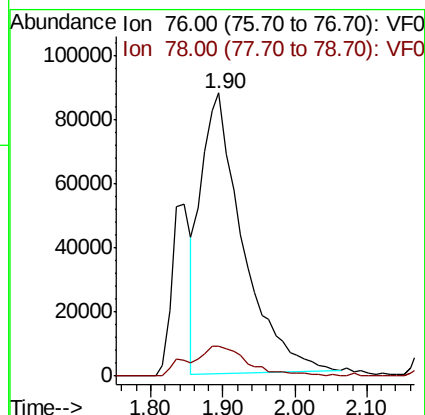
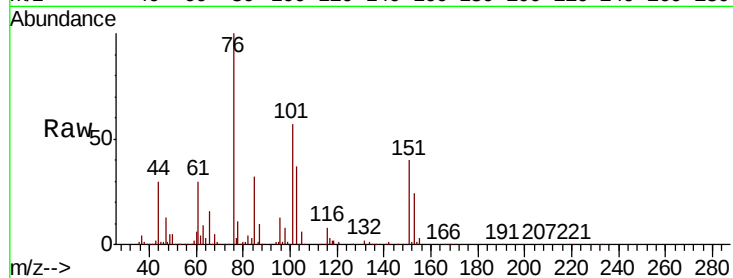




#17
Carbon Disulfide
Concen: 87.740 ug/l
RT: 1.90 min Scan# 138
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

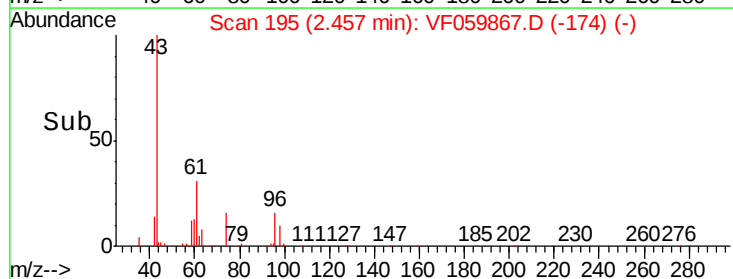
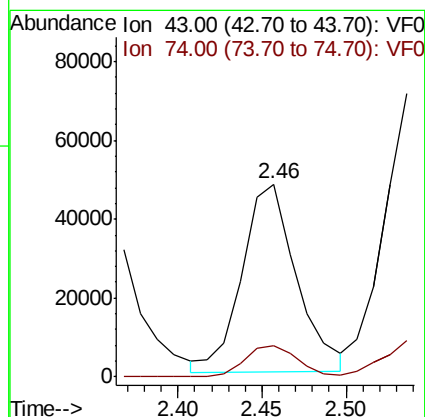
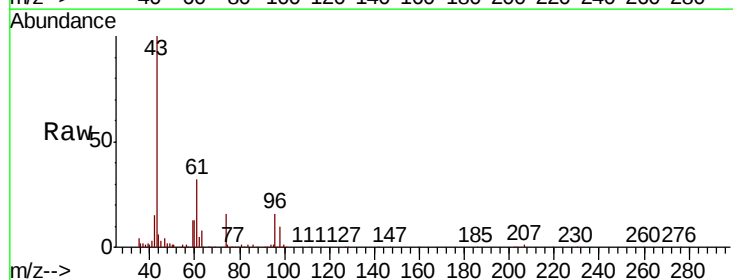
Instrument :
MSVOA_F
ClientSampleId :

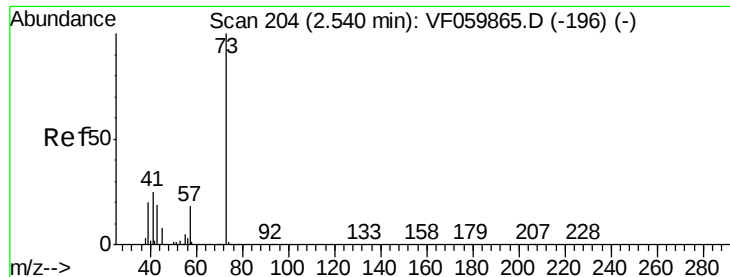
Tot Ion: 76 Resp: 351106
Ion Ratio Lower Upper
76 100
78 10.6 9.3 13.9



#18
Methyl Acetate
Concen: 88.589 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 43 Resp: 107367
Ion Ratio Lower Upper
43 100
74 16.0 16.3 24.5#



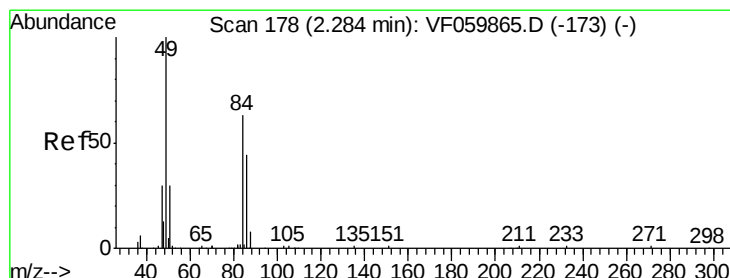
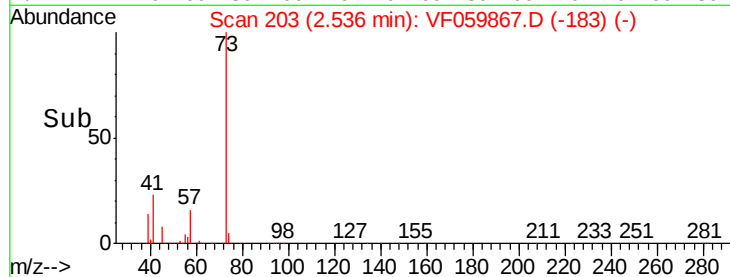
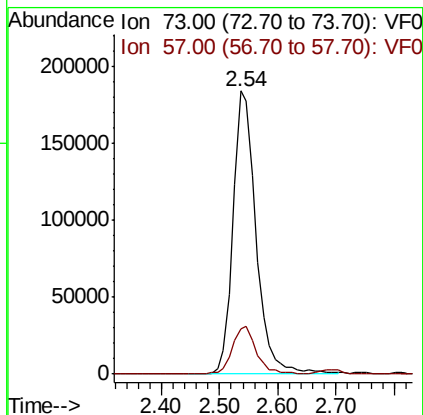
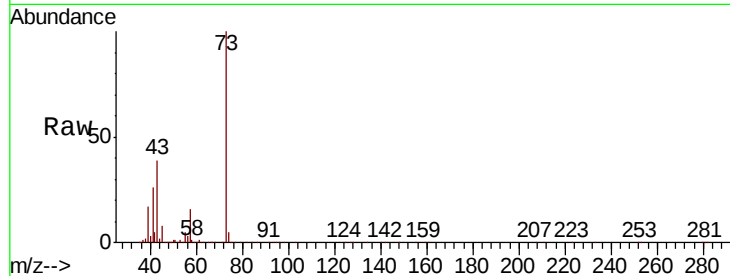


#19

Methyl tert-butyl Ether
 Concen: 106.102 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :

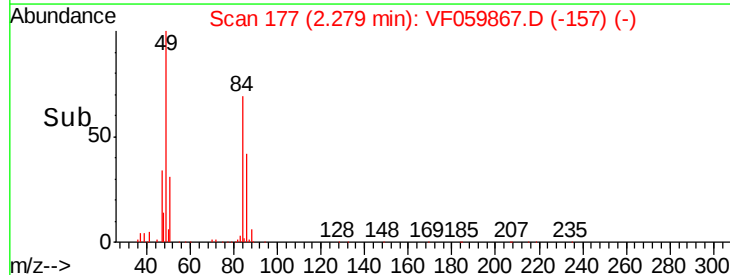
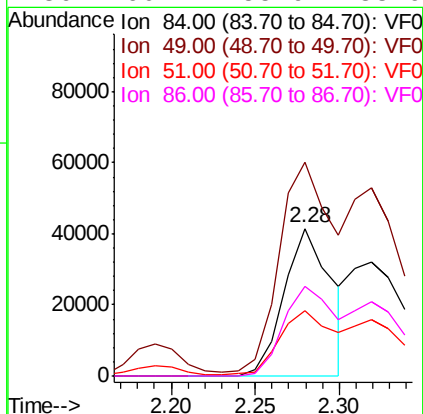
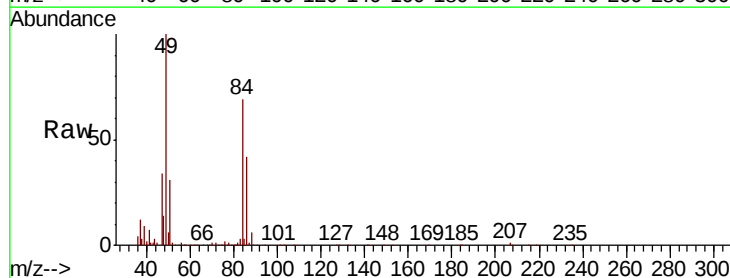
Tot Ion: 73 Resp: 506050
 Ion Ratio Lower Upper
 73 100
 57 16.1 14.3 21.5

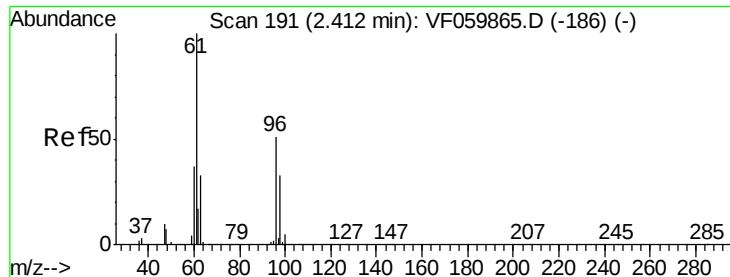


#20

Methylene Chloride
 Concen: 43.742 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion: 84 Resp: 81280
 Ion Ratio Lower Upper
 84 100
 49 144.7 128.7 193.1
 51 44.5 39.3 58.9
 86 60.7 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 108.802 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampled :

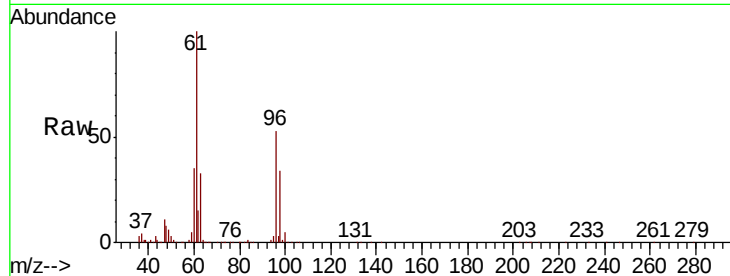
Tot Ion: 96 Resp: 175183

Ion Ratio Lower Upper

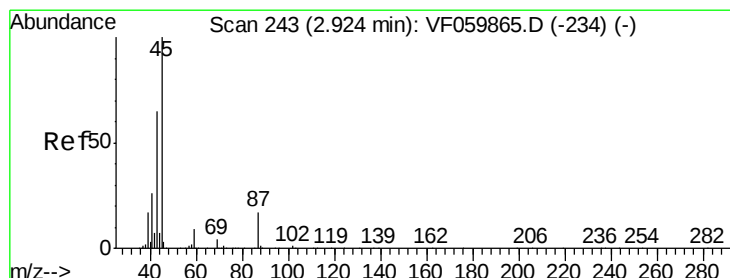
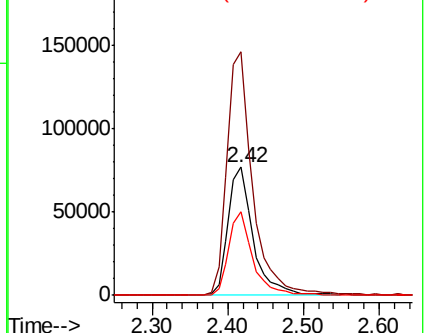
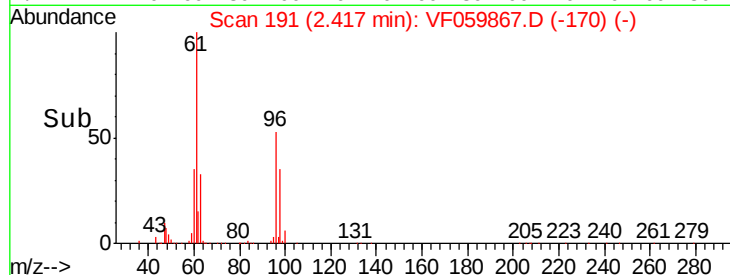
96 100

61 190.0 158.2 237.4

98 65.4 52.0 78.0



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: 108.184 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion: 45 Resp: 578307

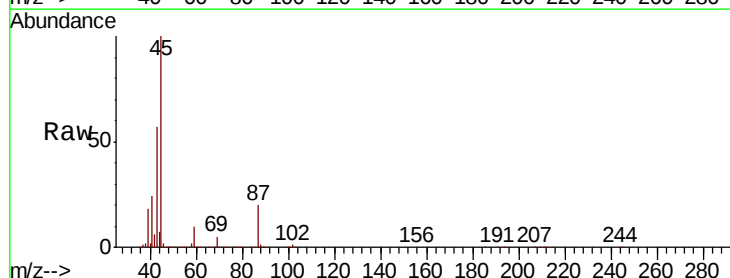
Ion Ratio Lower Upper

45 100

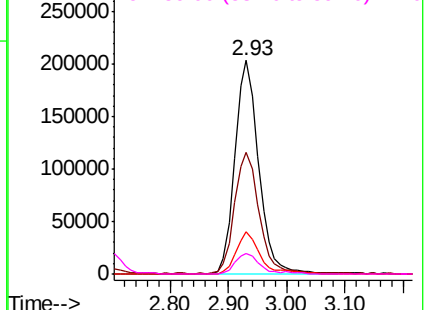
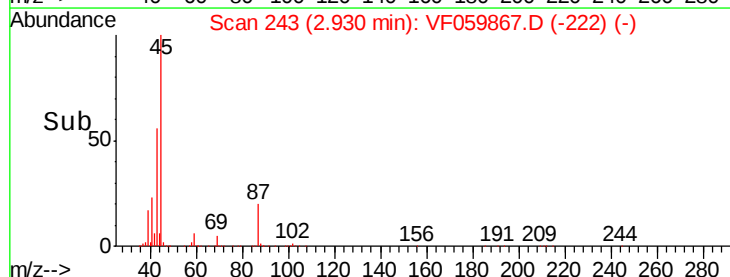
43 56.7 52.1 78.1

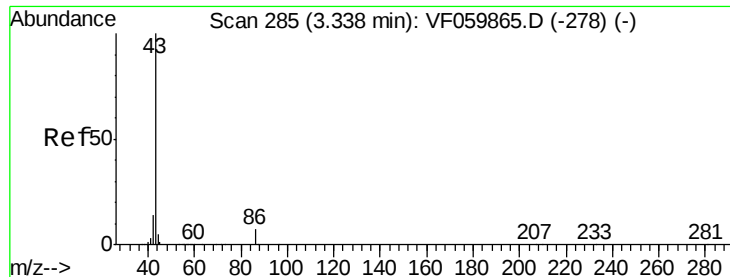
87 19.9 13.8 20.8

59 9.5 7.5 11.3



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: 522.125 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

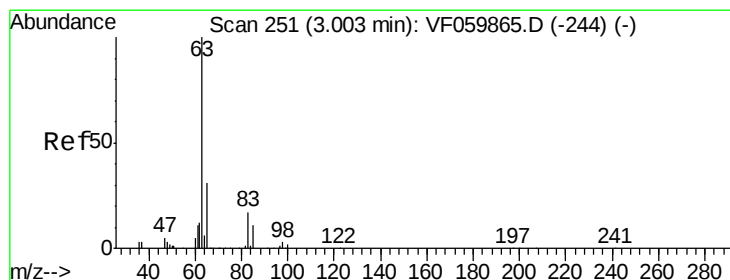
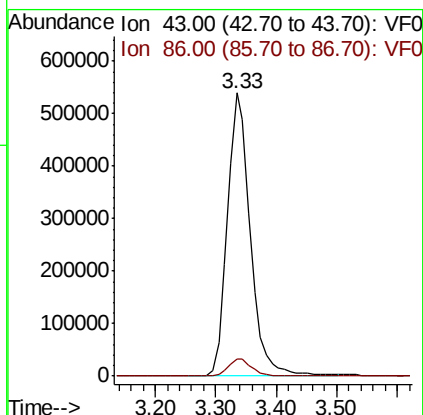
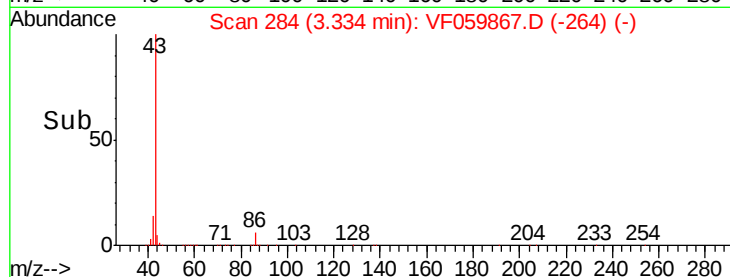
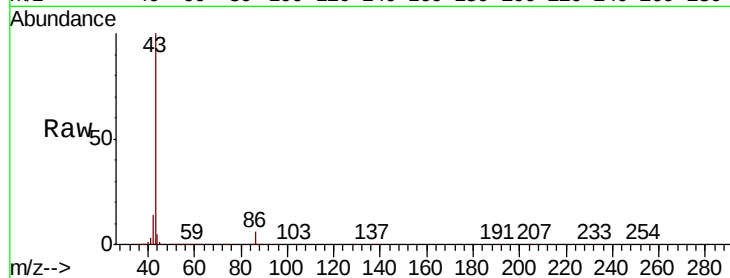
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1417422

Ion Ratio Lower Upper

43 100

86 6.1 5.6 8.4



#24

1,1-Dichloroethane

Concen: 106.868 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

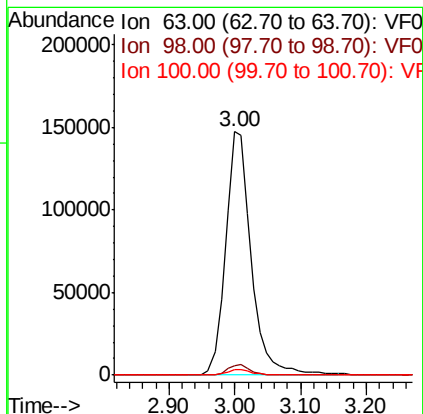
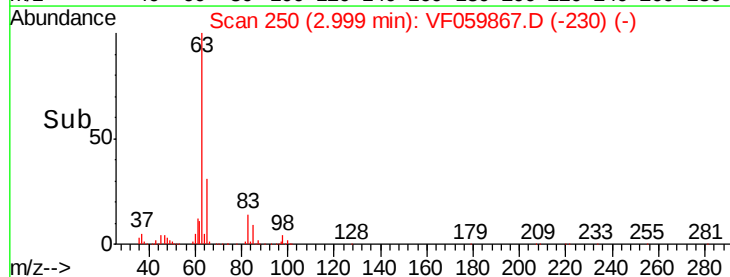
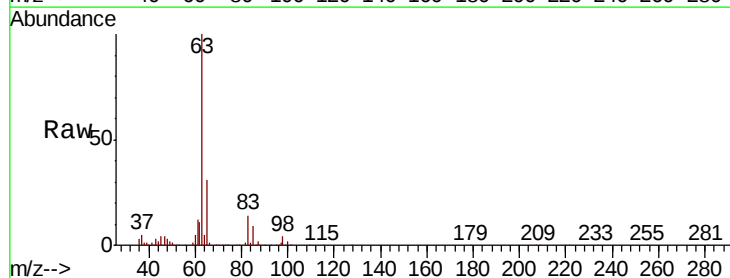
Tgt Ion: 63 Resp: 400451

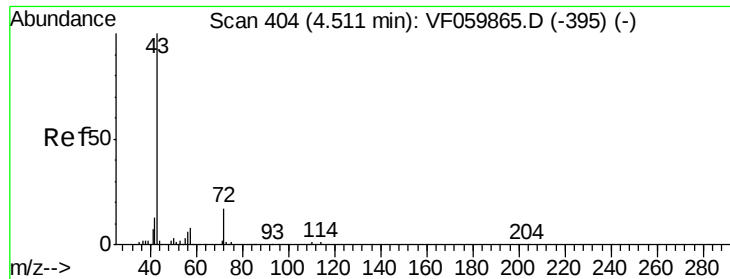
Ion Ratio Lower Upper

63 100

98 3.9 1.9 5.7

100 2.2 1.1 3.5





#25

2-Butanone

Concen: 526.289 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

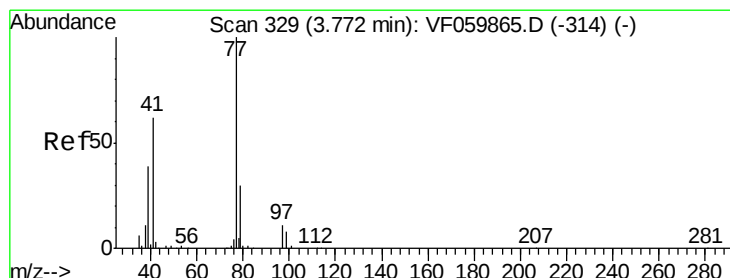
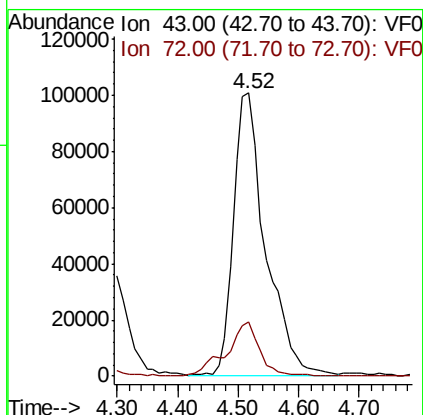
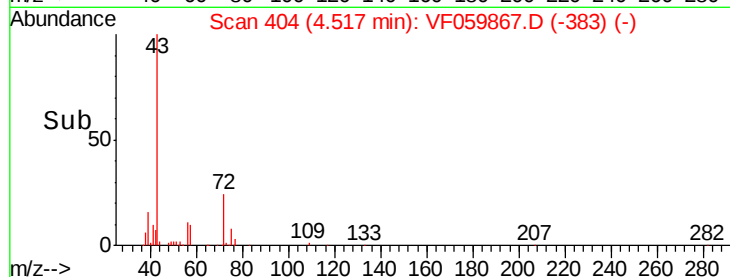
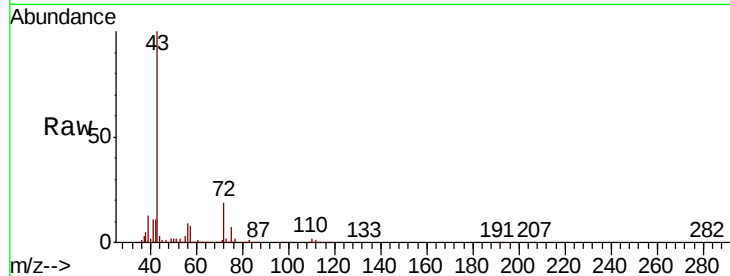
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 367929

Ion Ratio Lower Upper

43 100

72 19.1 13.9 20.9



#26

2,2-Dichloropropane

Concen: 86.051 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059867.D

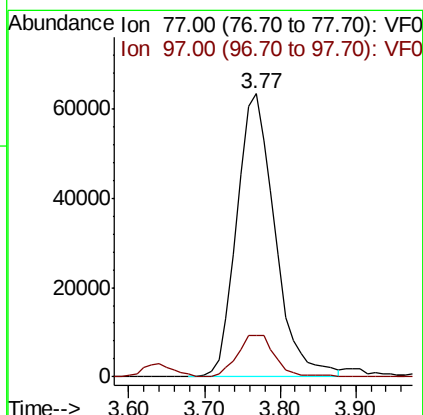
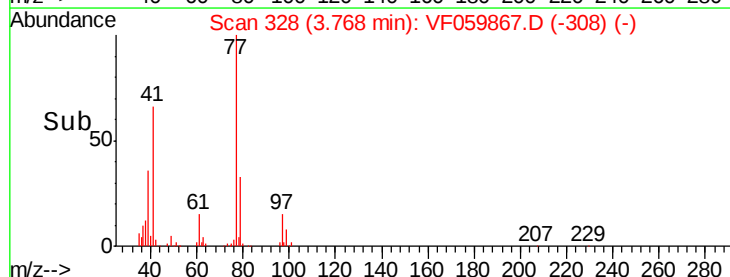
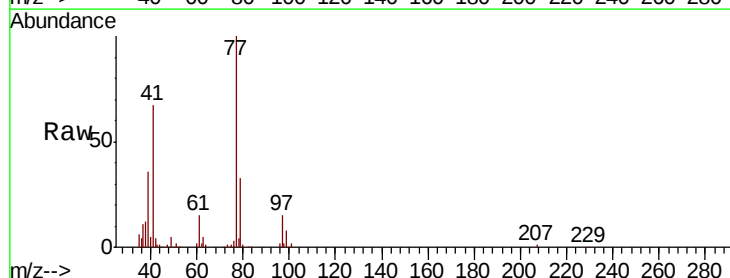
Acq: 4 Aug 2018 5:40

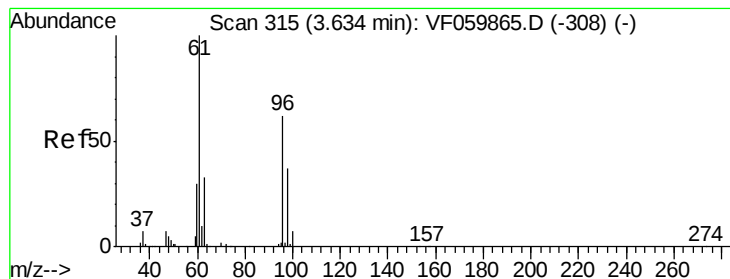
Tgt Ion: 77 Resp: 221992

Ion Ratio Lower Upper

77 100

97 14.7 6.8 20.3



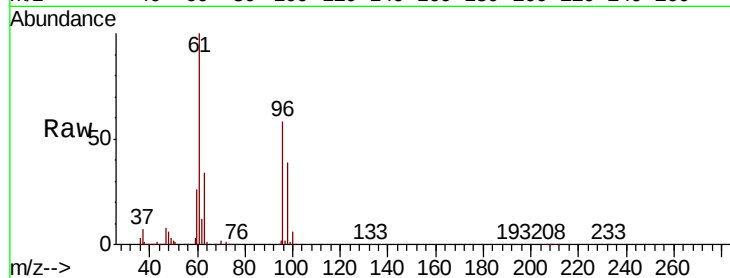


#27

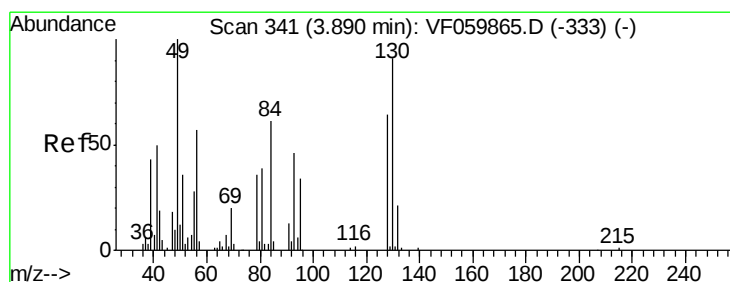
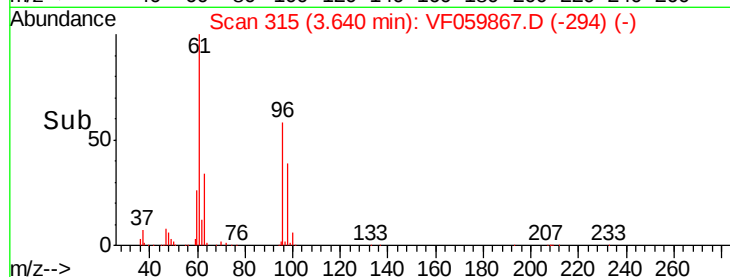
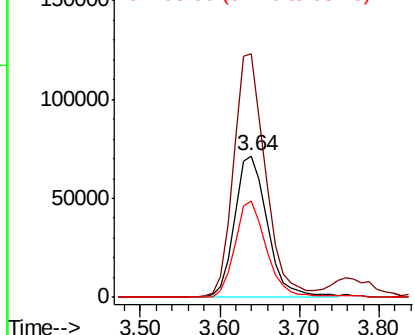
cis-1,2-Dichloroethene
Concen: 103.600 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.9	0.0	320.8
98	67.7	0.0	117.6



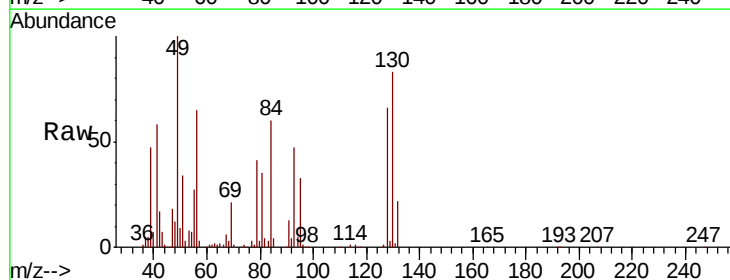
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



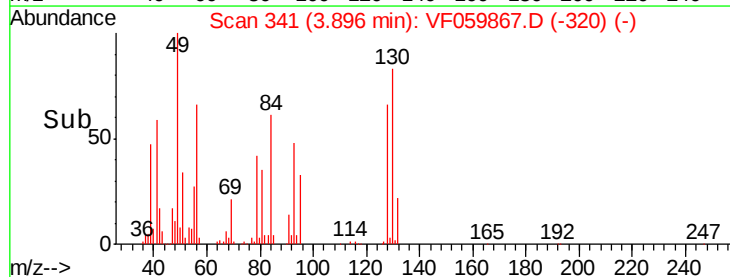
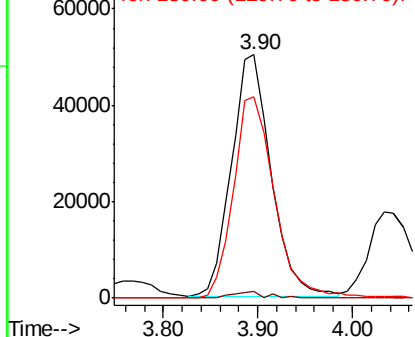
#28

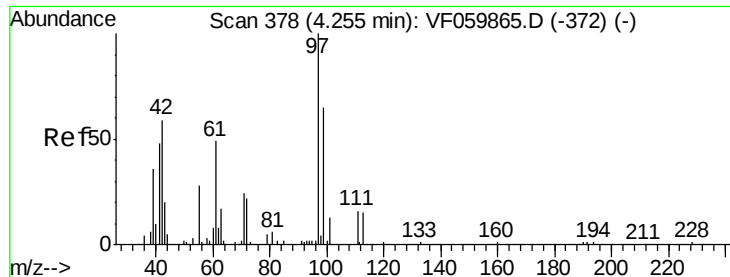
Bromochloromethane
Concen: 99.452 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	82.6	73.8	110.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 489.175 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampled :

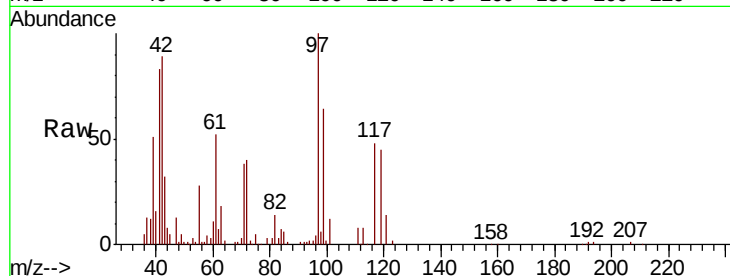
Tot Ion: 42 Resp: 135060

Ion Ratio Lower Upper

42 100

72 36.5 29.3 43.9

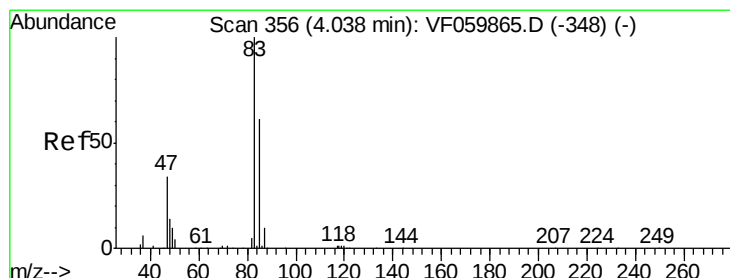
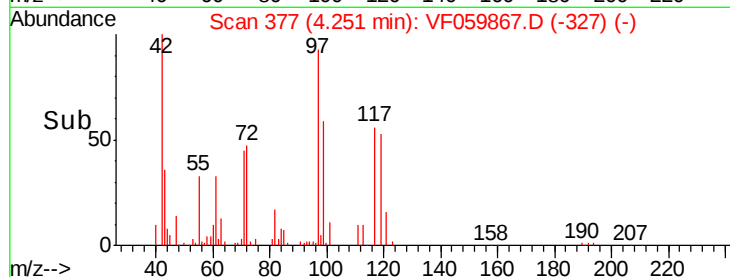
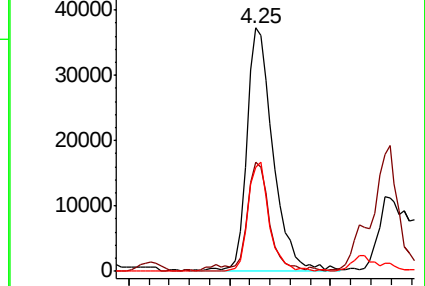
71 36.1 30.0 45.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 99.820 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF059867.D

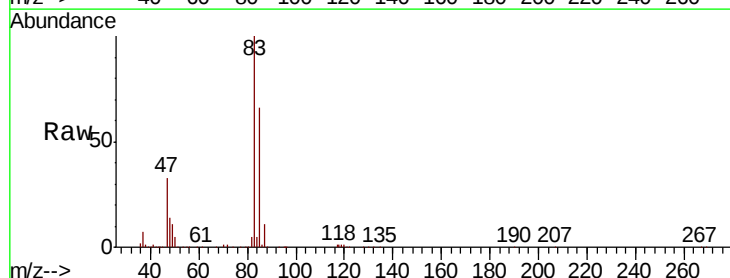
Acq: 4 Aug 2018 5:40

Tgt Ion: 83 Resp: 521730

Ion Ratio Lower Upper

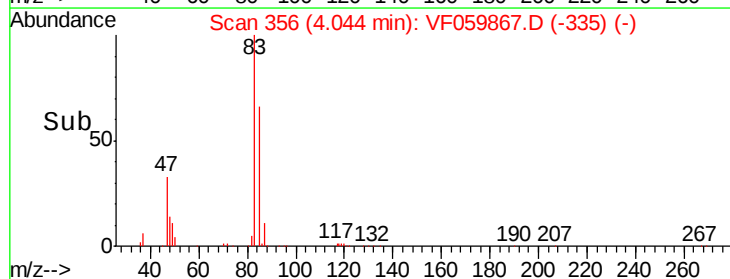
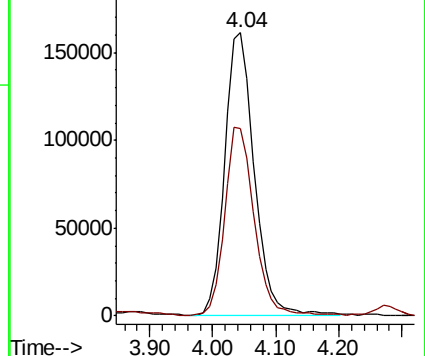
83 100

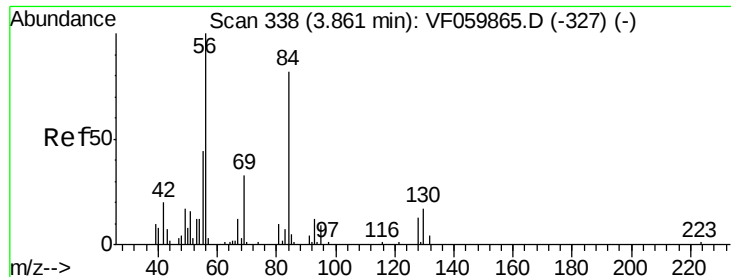
85 66.3 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

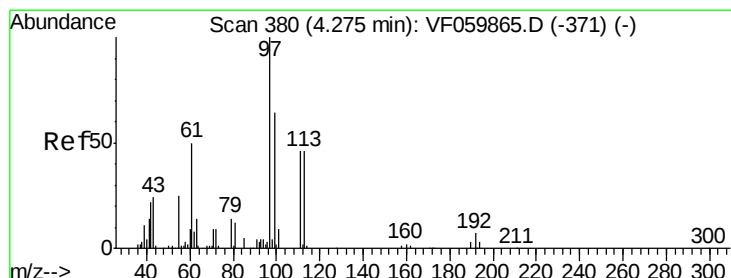
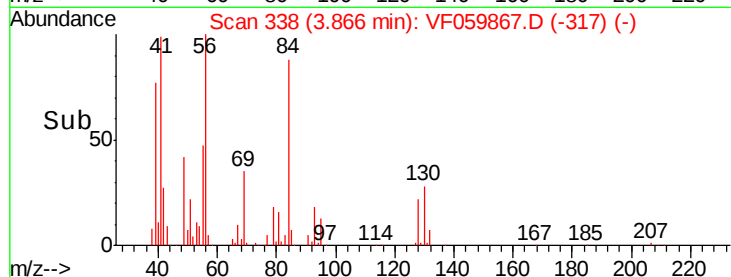
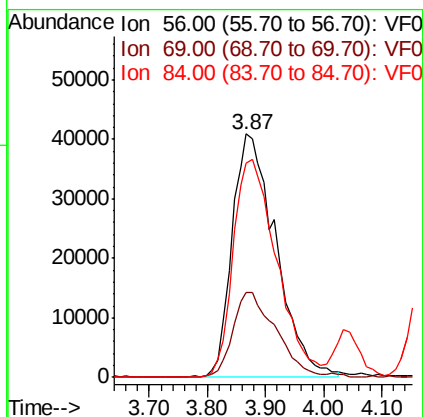
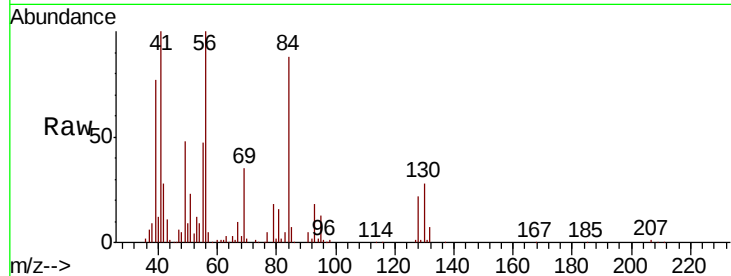




#31
Cyclohexane
Concen: 105.219 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

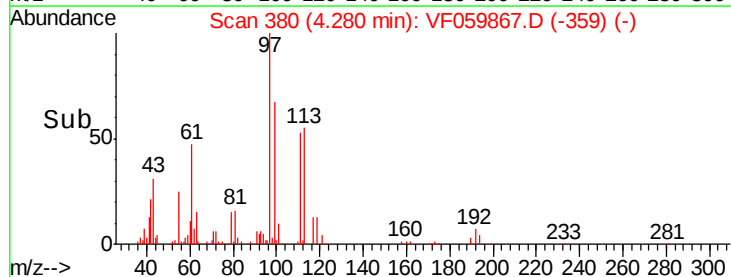
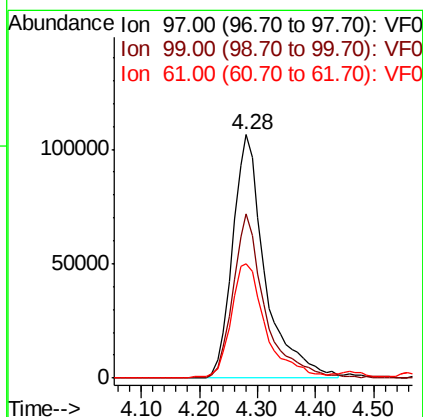
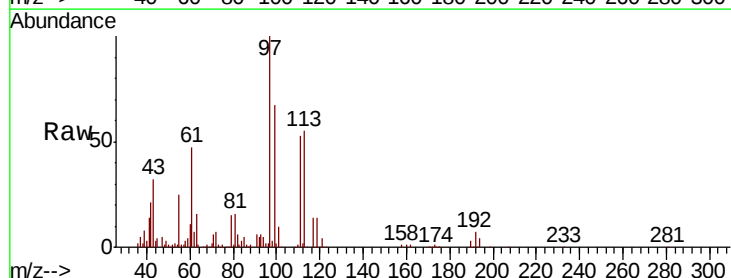
Instrument :
MSVOA_F
ClientSampled :

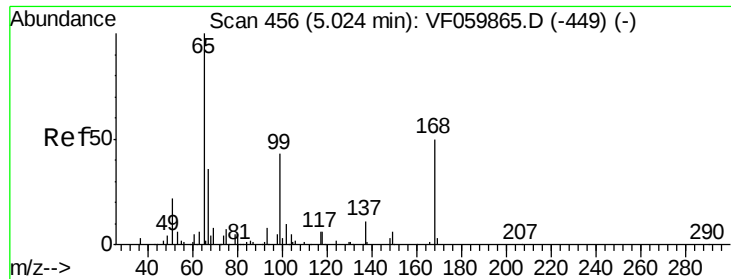
Tot Ion: 56 Resp: 213795
Ion Ratio Lower Upper
56 100
69 35.0 26.7 40.1
84 87.8 65.9 98.9



#32
1,1,1-Trichloroethane
Concen: 100.708 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 97 Resp: 412647
Ion Ratio Lower Upper
97 100
99 67.3 51.4 77.2
61 47.0 40.8 61.2

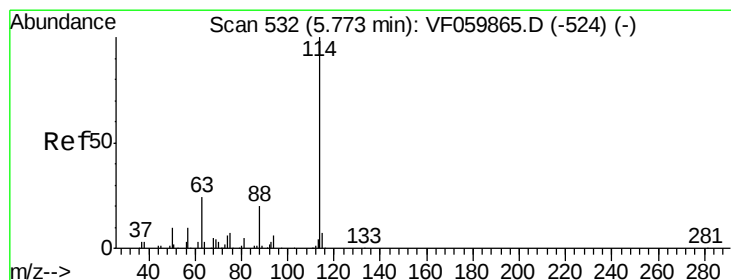
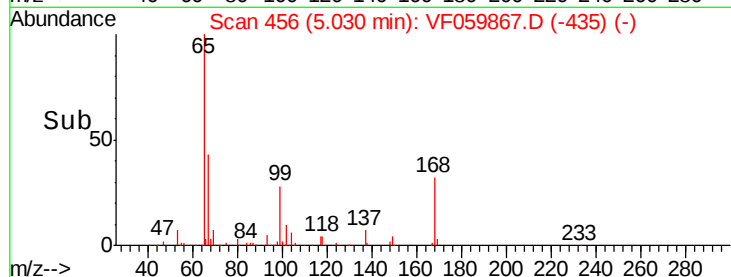
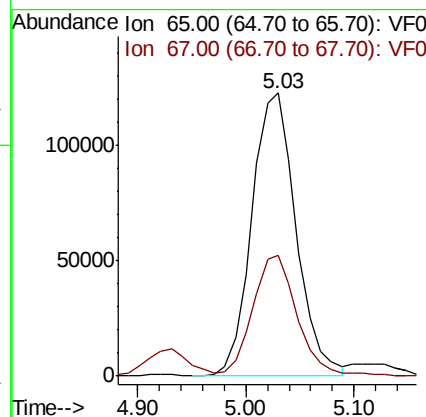
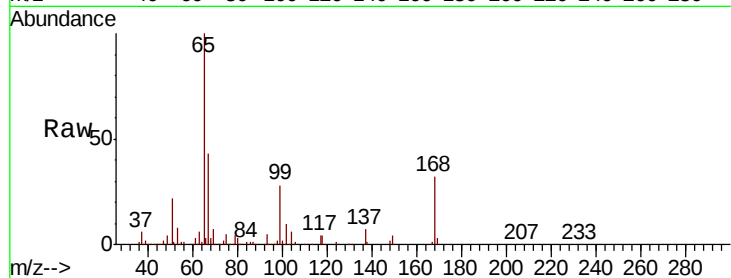




#33
 1,2-Dichloroethane-d4
 Concen: 96.170 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

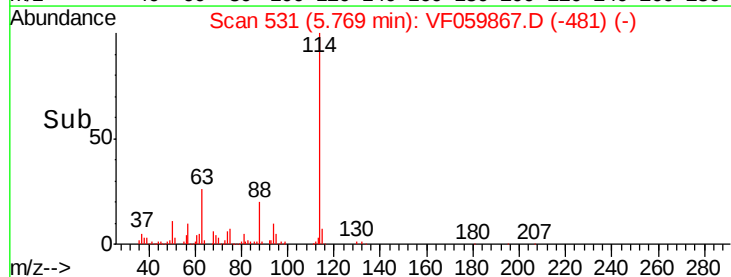
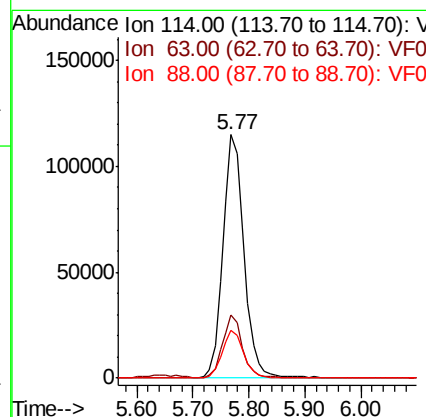
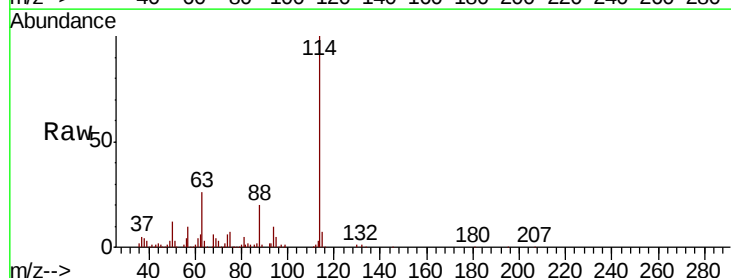
Instrument :
 MSVOA_F
 ClientSampled :

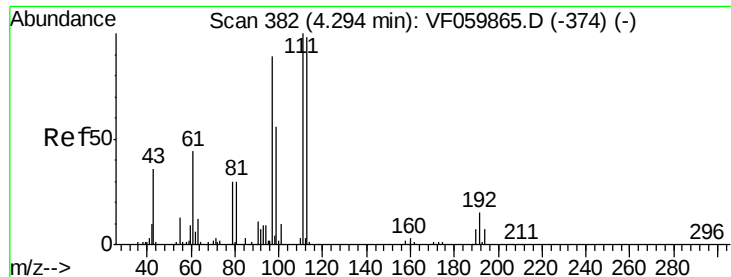
Tot Ion: 65 Resp: 347827
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion: 114 Resp: 302673
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 48.0
 88 19.7 0.0 39.4

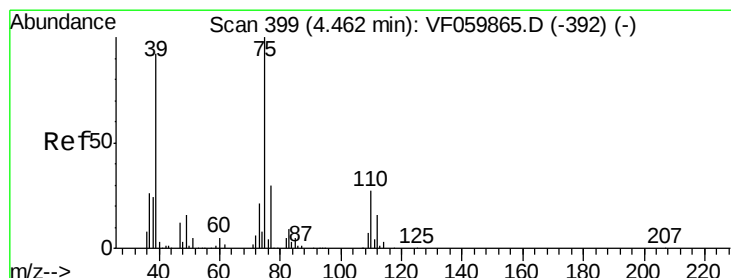
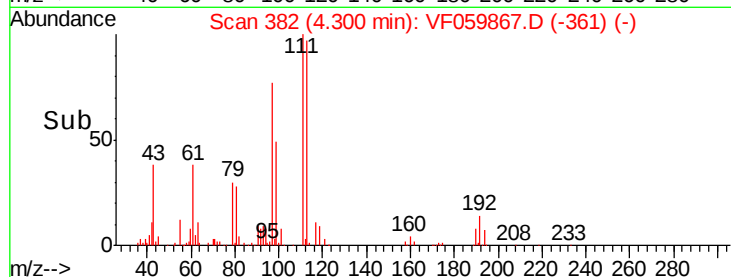
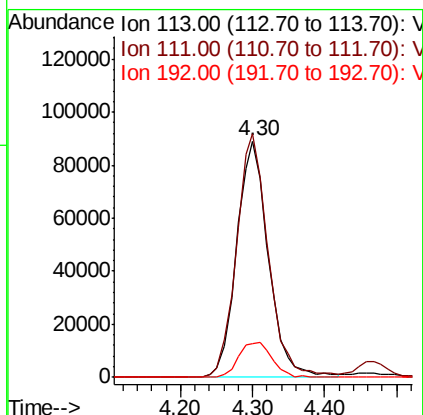
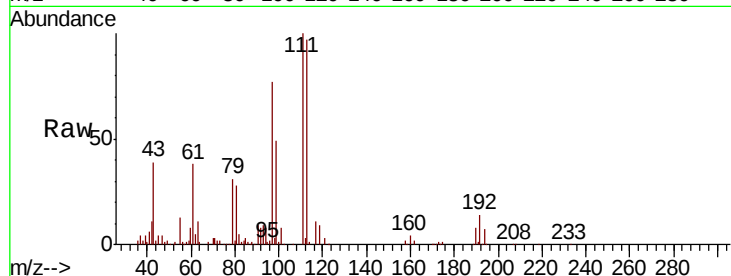




#35
 Dibromofluoromethane
 Concen: 86.737 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

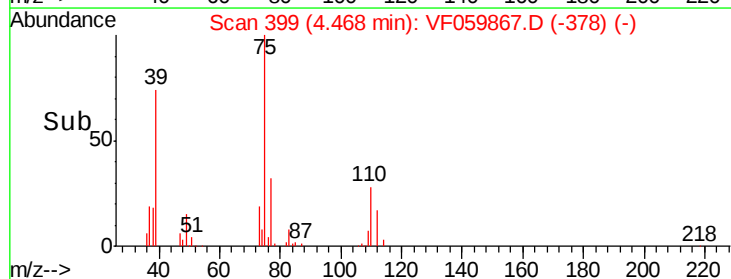
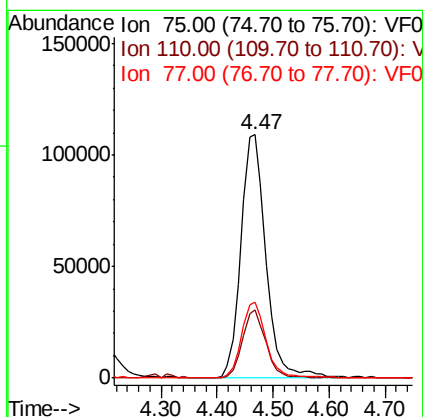
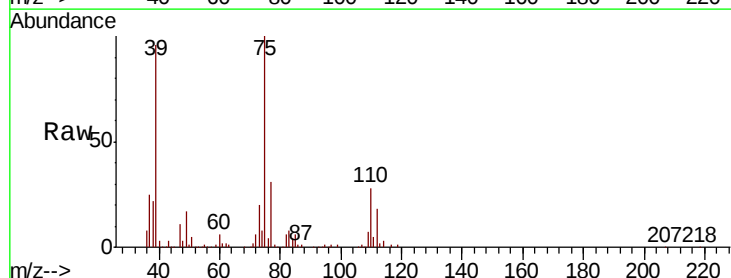
Instrument :
 MSVOA_F
 ClientSampleId :

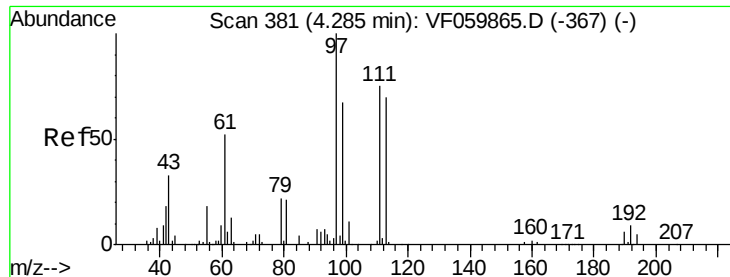
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	14.3	12.4	18.6



#36
 1,1-Dichloropropene
 Concen: 93.273 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.9	13.6	40.7
77	31.2	23.7	35.5

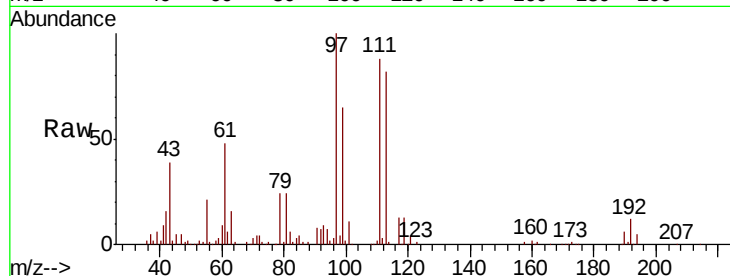




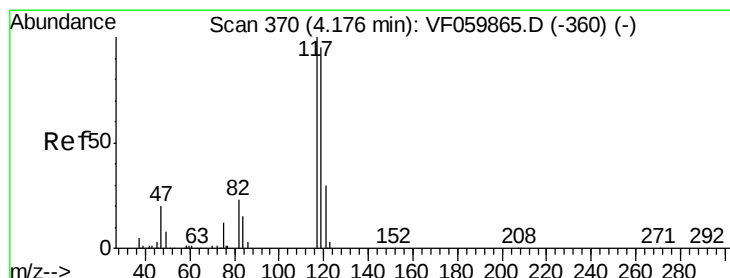
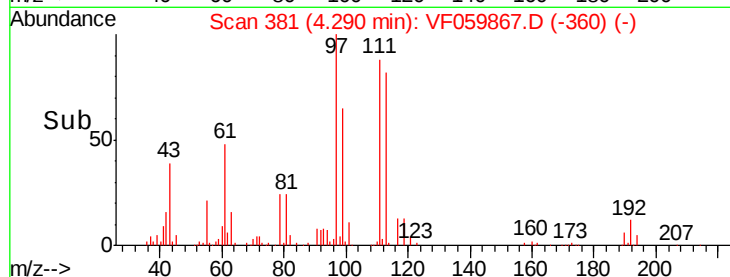
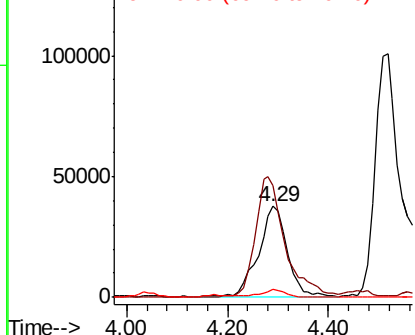
#37
Ethyl Acetate
Concen: 84.569 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 148219
Ion Ratio Lower Upper
43 100
61 123.3 123.7 185.5#
70 8.4 7.8 11.8

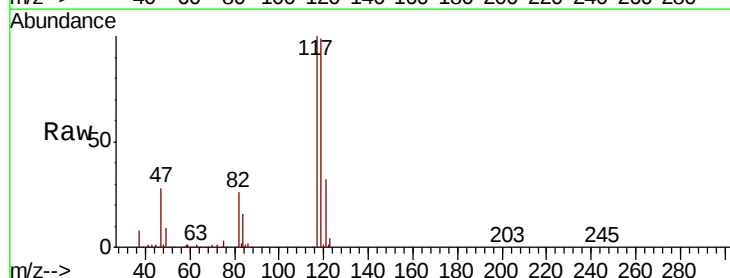


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

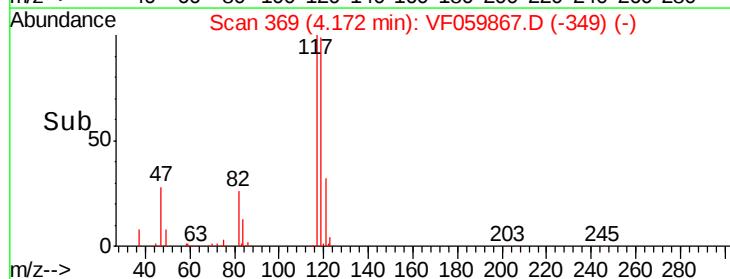
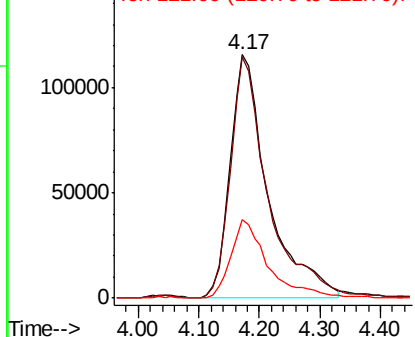


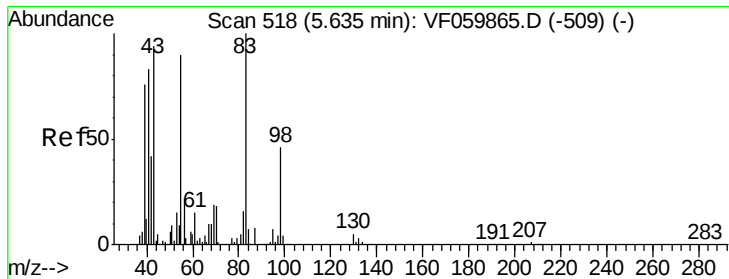
#38
Carbon Tetrachloride
Concen: 101.831 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 117 Resp: 502892
Ion Ratio Lower Upper
117 100
119 98.8 76.5 114.7
121 32.0 23.8 35.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

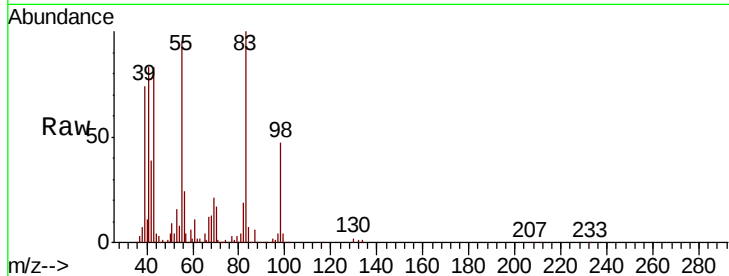




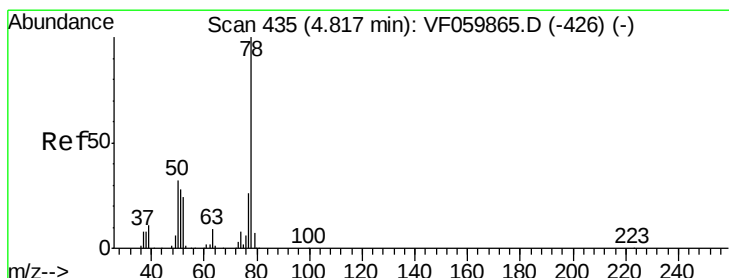
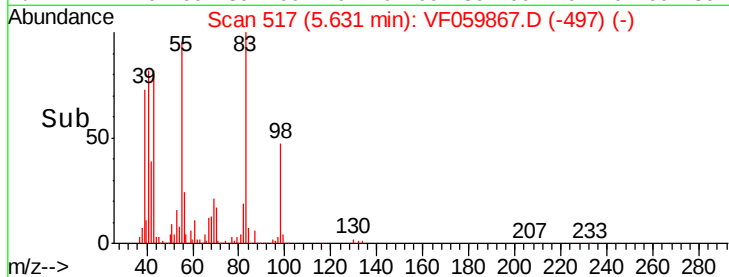
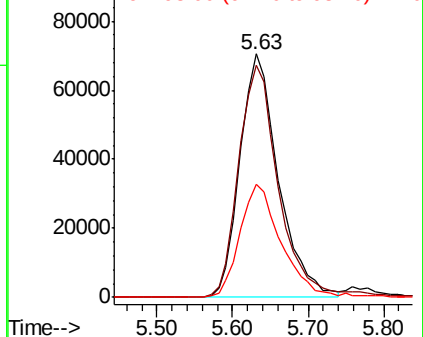
#39
Methvlcvclohexane
Concen: 92.016 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 83 Resp: 250014
Ion Ratio Lower Upper
83 100
55 95.1 72.0 108.0
98 46.6 36.6 54.8

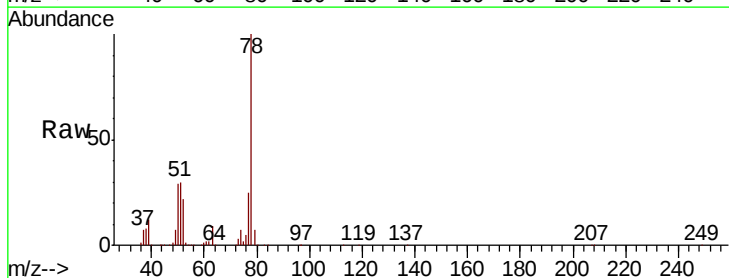


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

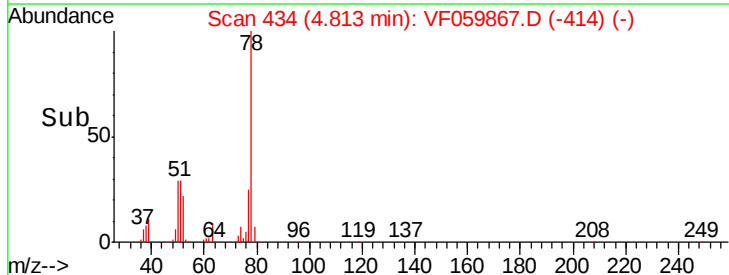
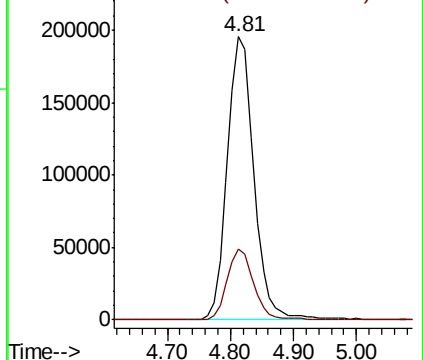


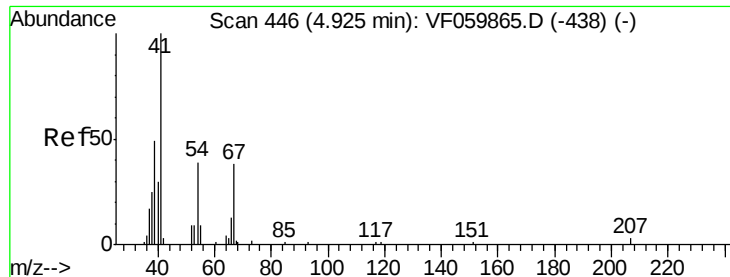
#40
Benzene
Concen: 91.180 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 78 Resp: 569802
Ion Ratio Lower Upper
78 100
77 25.0 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

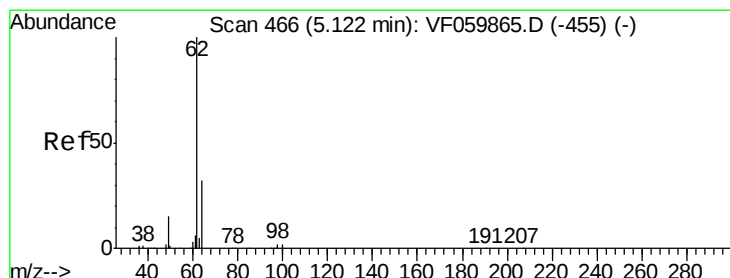
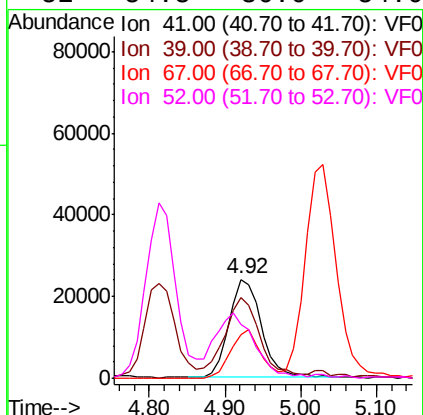
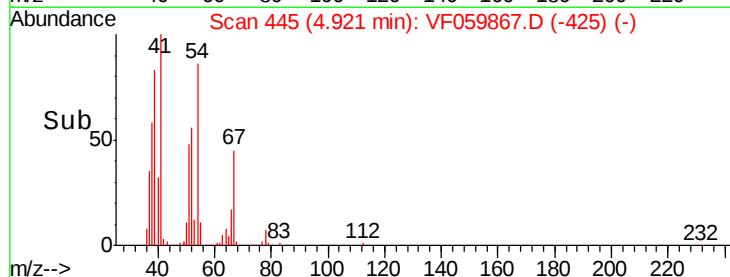
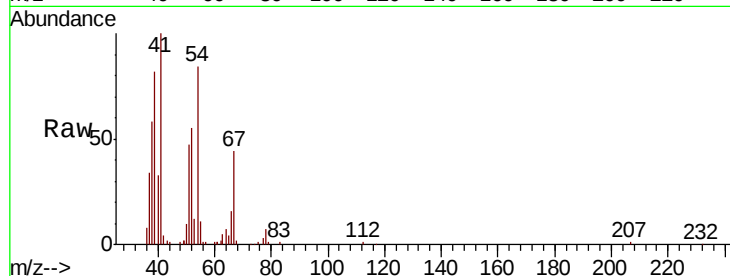




#41
Methacrylonitrile
Concen: 83.008 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

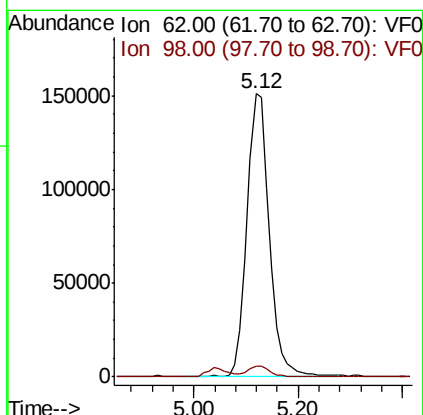
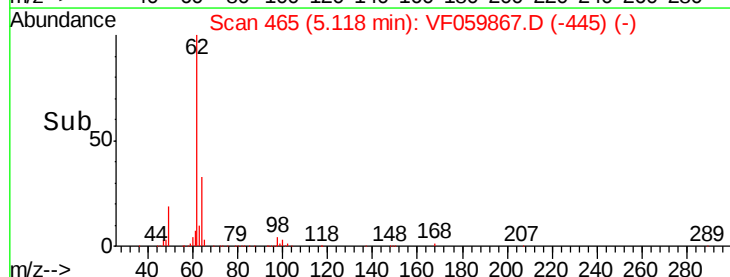
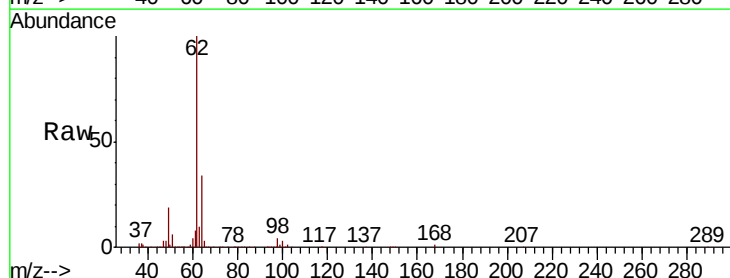
Instrument :
MSVOA_F
ClientSampleId :

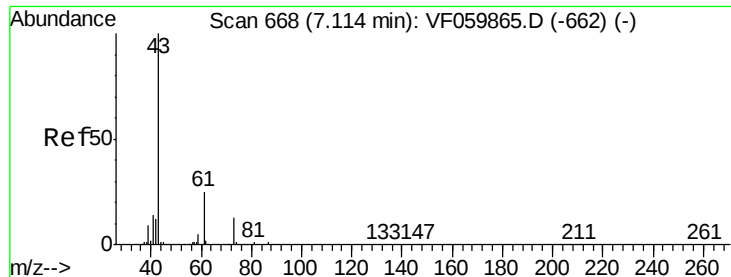
Tot Ion:	41	Resp:	71479
Ion	Ratio	Lower	Upper
41	100		
39	82.1	55.1	82.7
67	44.0	30.3	45.5
52	54.8	36.0	54.0#



#42
1,2-Dichloroethane
Concen: 97.547 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion:	62	Resp:	435330
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	7.6



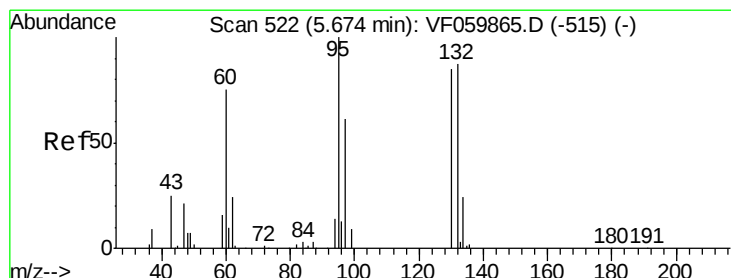
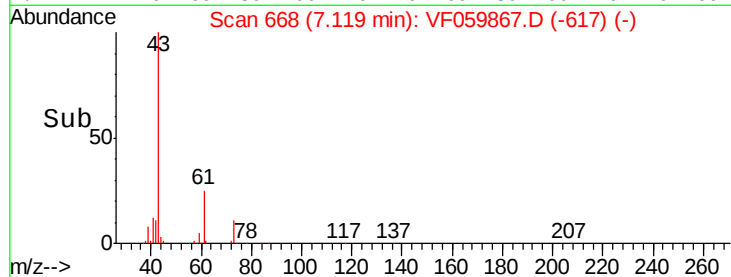
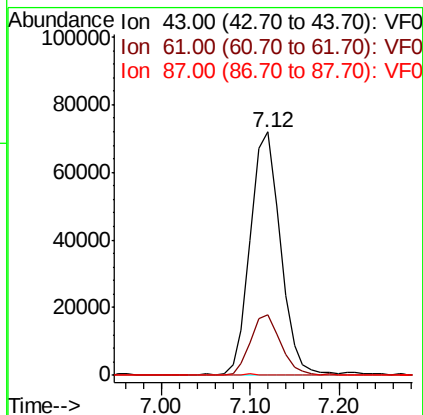
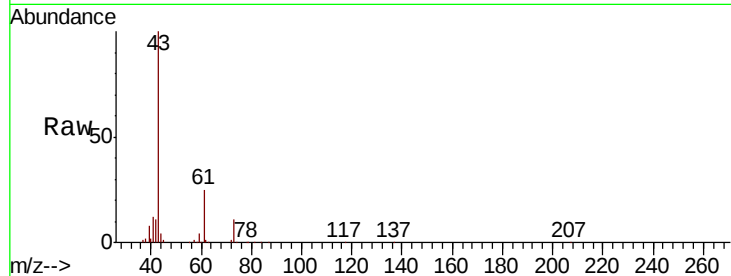


#43

Isopropyl Acetate
 Concen: 94.429 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :

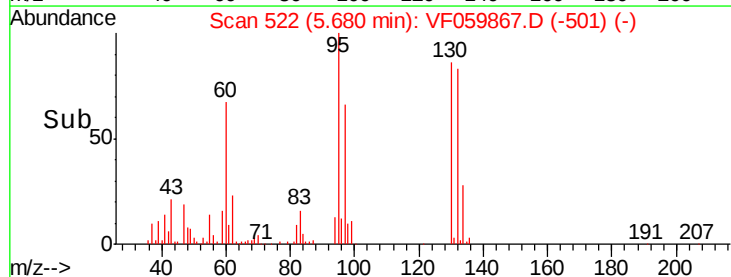
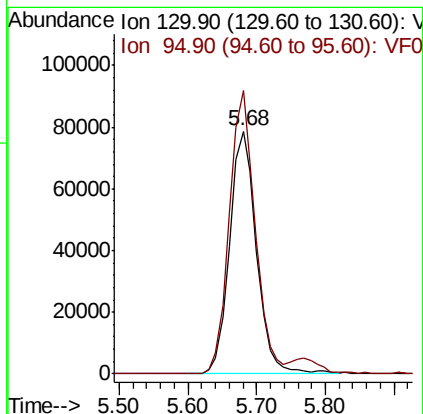
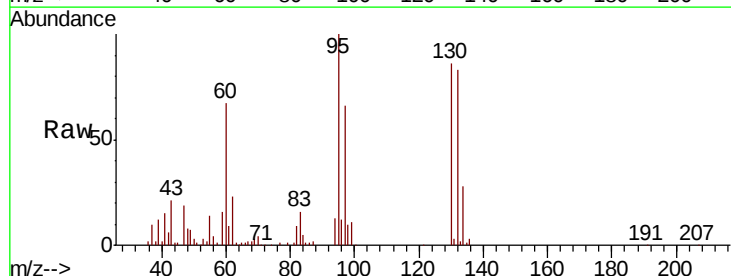
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.3	30.5
87	0.4	0.7	1.1#

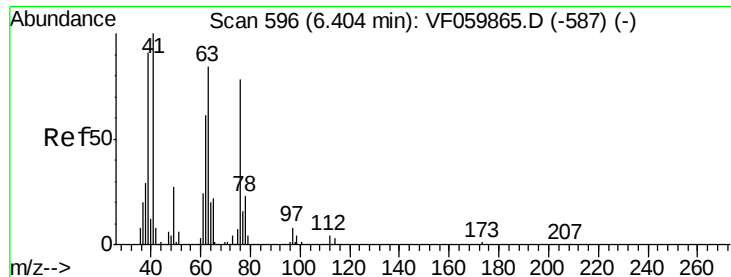


#44

Trichloroethene
 Concen: 87.728 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.7	0.0	236.8





#45

1,2-Dichloropropane

Concen: 97.214 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

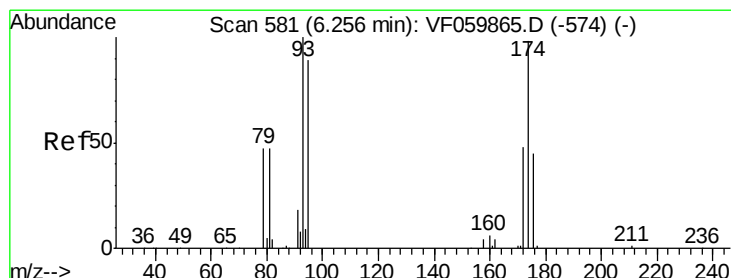
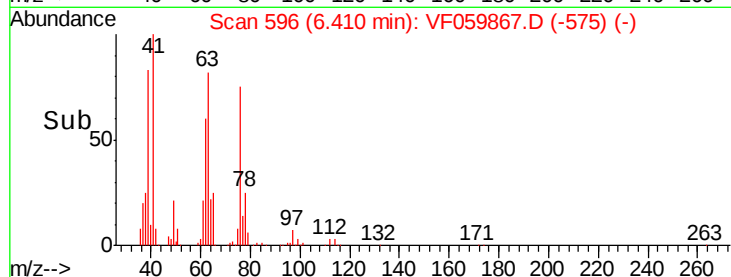
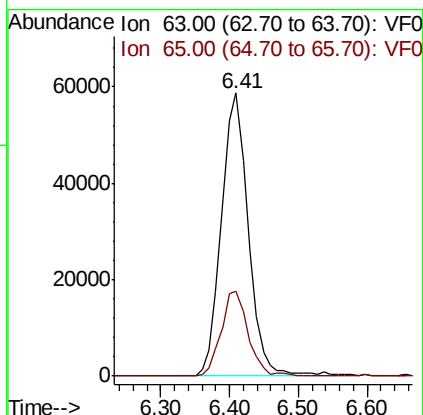
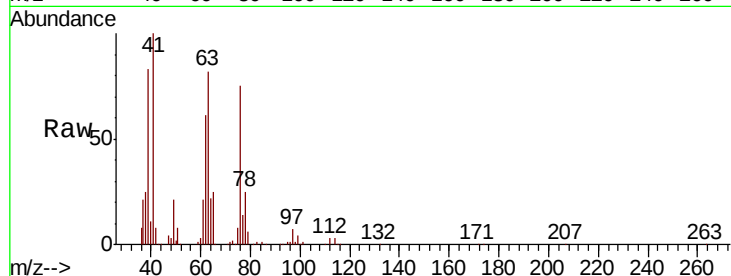
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 159602

Ion Ratio Lower Upper

63 100

65 30.0 20.4 30.6



#46

Dibromomethane

Concen: 97.332 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

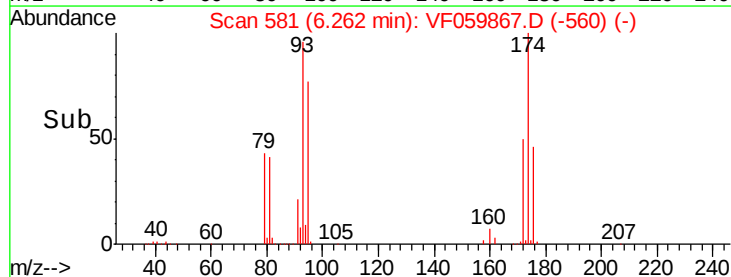
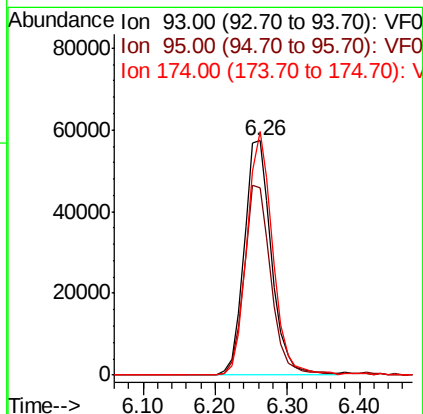
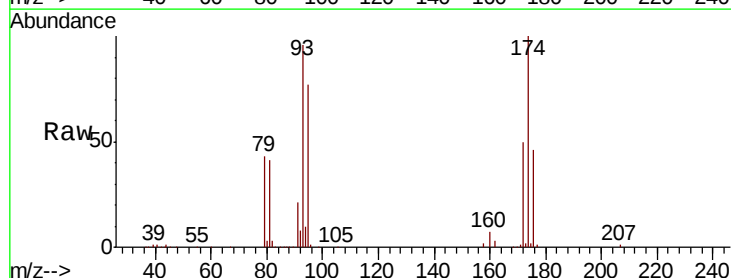
Tgt Ion: 93 Resp: 152164

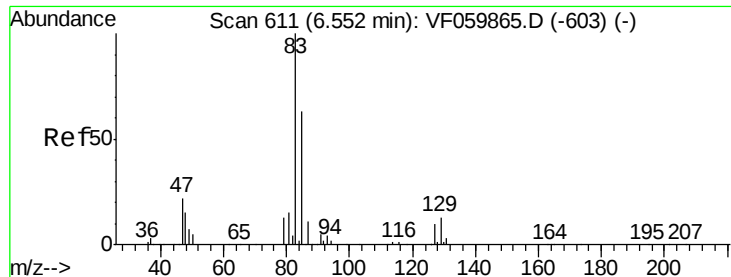
Ion Ratio Lower Upper

93 100

95 80.1 71.4 107.2

174 103.9 78.1 117.1





#47

Bromodichloromethane

Concen: 97.413 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampled :

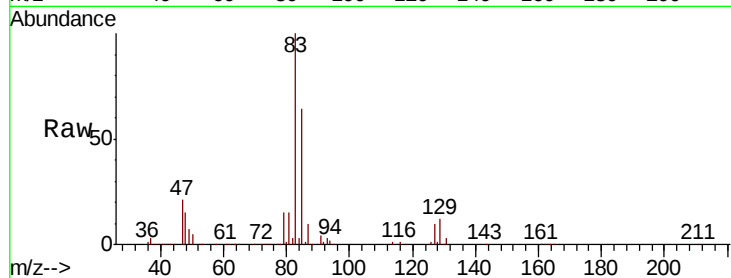
Tot Ion: 83 Resp: 417511

Ion Ratio Lower Upper

83 100

85 63.6 50.7 76.1

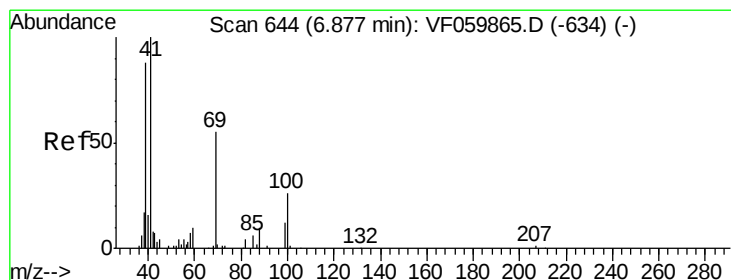
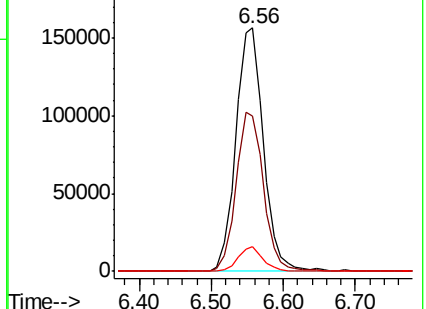
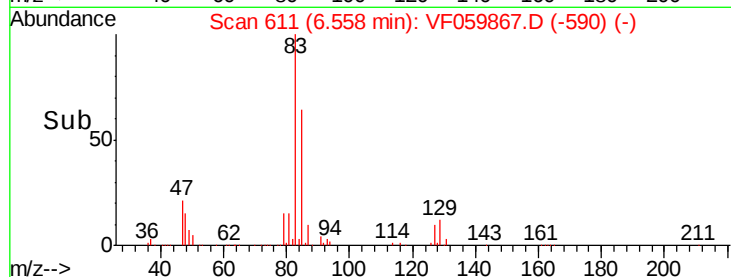
127 9.9 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 98.488 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

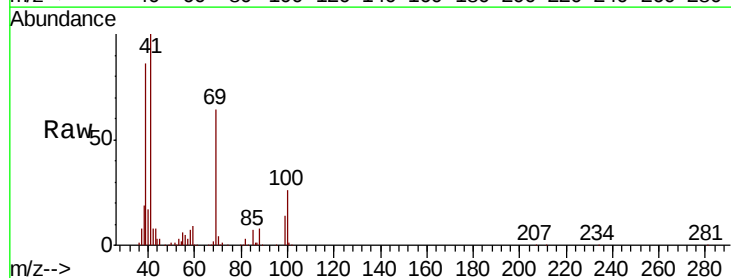
Tgt Ion: 41 Resp: 133912

Ion Ratio Lower Upper

41 100

69 64.2 44.4 66.6

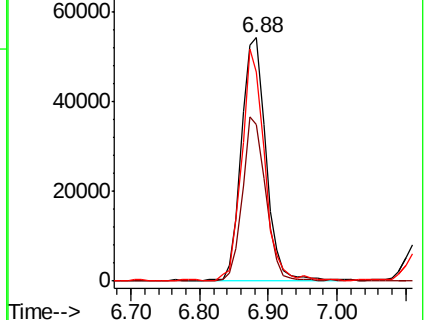
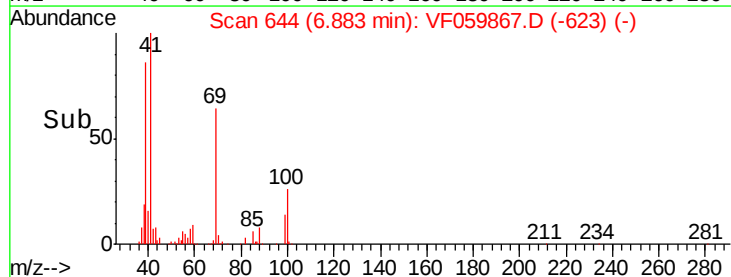
39 85.9 70.6 106.0

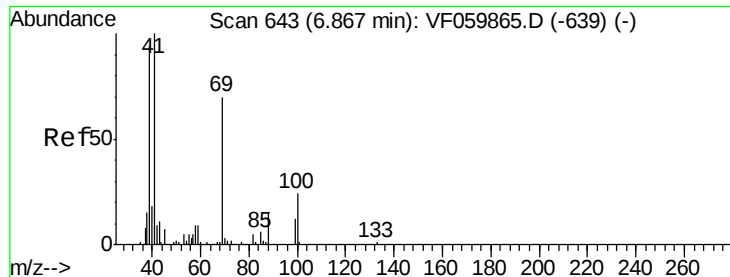


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1749.018 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

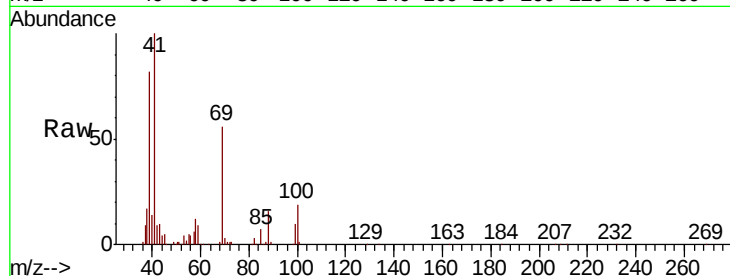
Tot Ion: 88 Resp: 18331

Ion Ratio Lower Upper

88 100

43 62.9 58.3 87.5

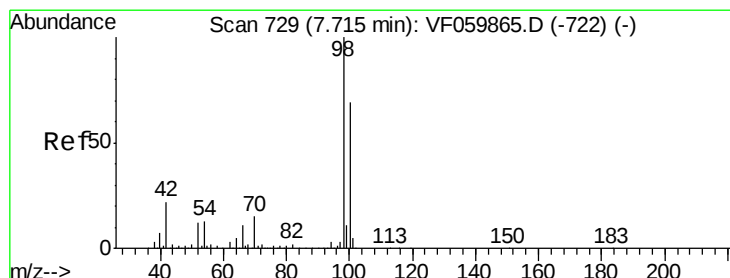
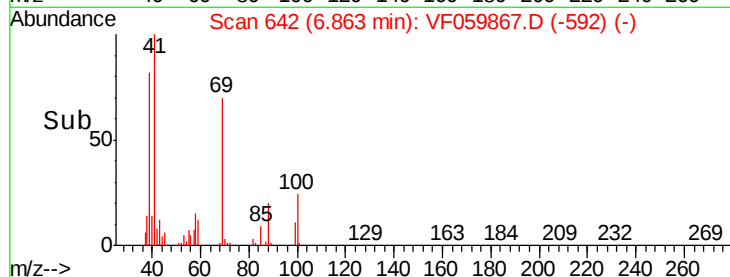
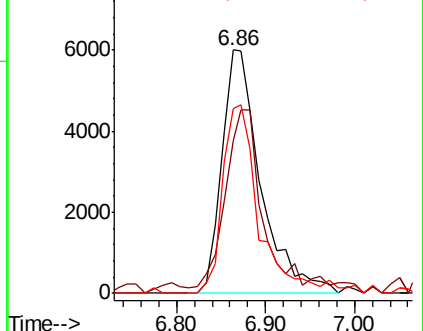
58 75.7 49.4 74.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 89.121 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059867.D

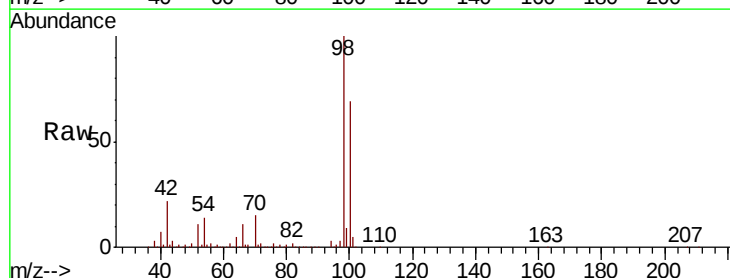
Acq: 4 Aug 2018 5:40

Tgt Ion: 98 Resp: 652141

Ion Ratio Lower Upper

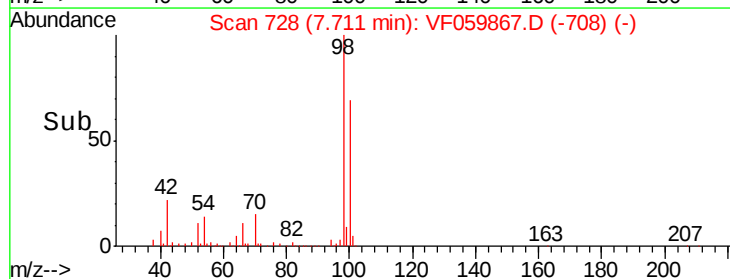
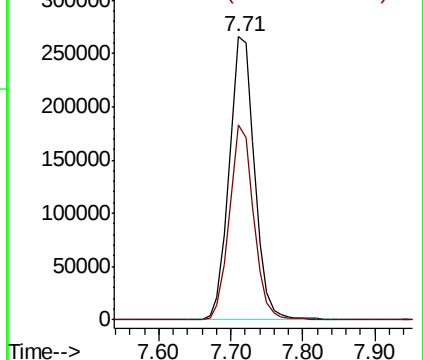
98 100

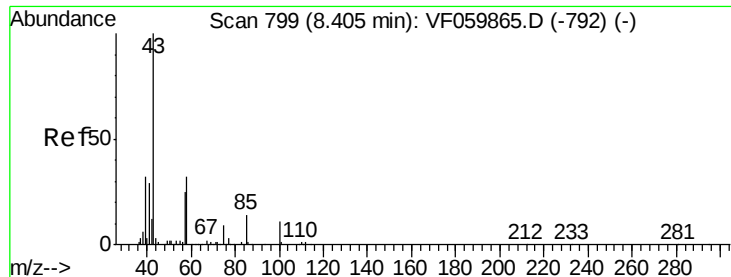
100 68.7 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 556.612 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

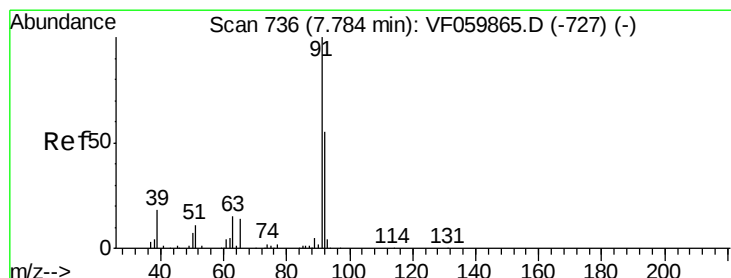
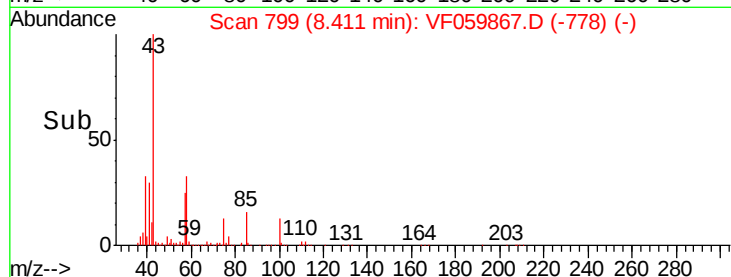
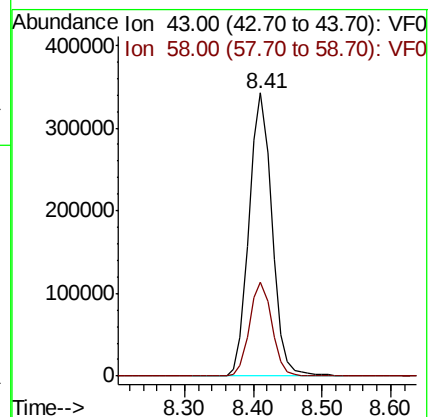
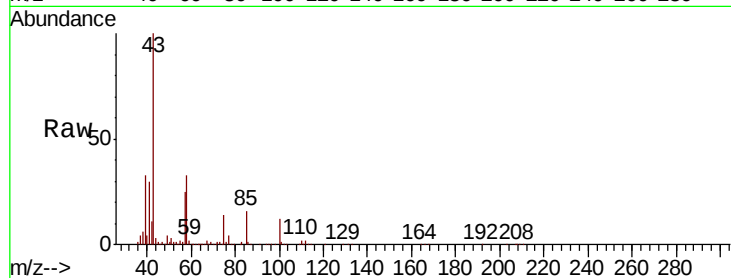
ClientSampled :

Tot Ion: 43 Resp: 795010

Ion Ratio Lower Upper

43 100

58 33.3 25.4 38.0



#52

Toluene

Concen: 94.261 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059867.D

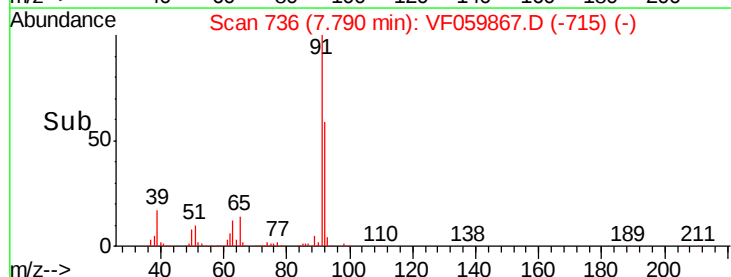
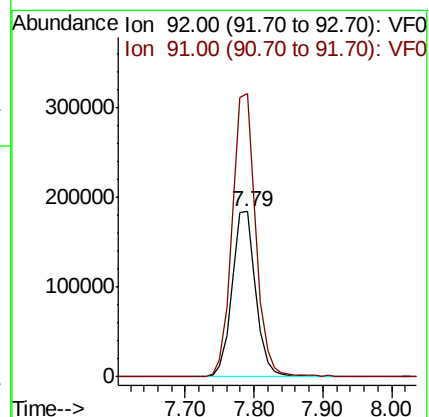
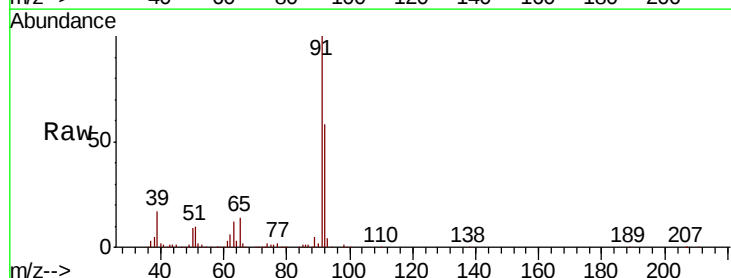
Acq: 4 Aug 2018 5:40

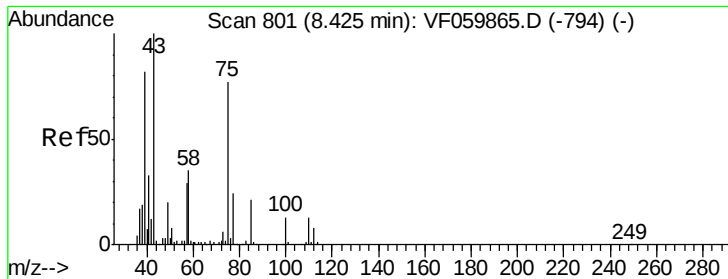
Tgt Ion: 92 Resp: 437188

Ion Ratio Lower Upper

92 100

91 171.1 145.7 218.5

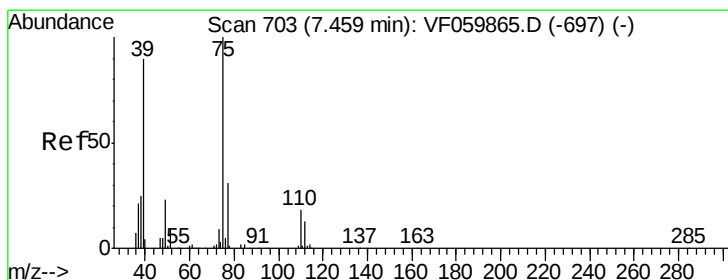
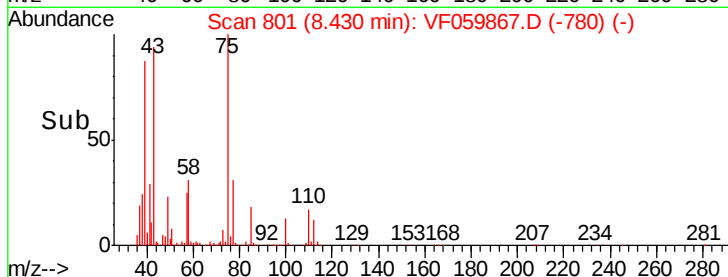
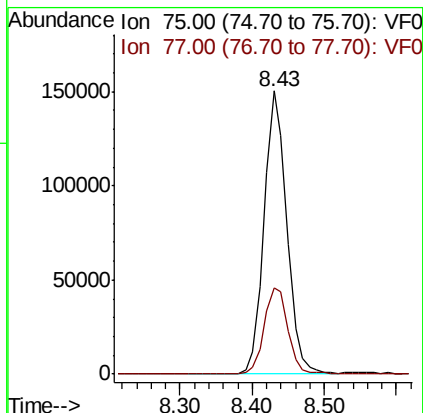
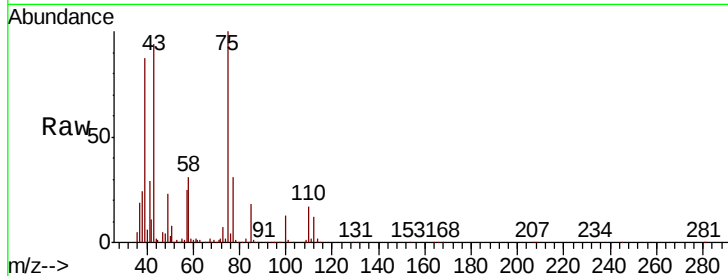




#53
t-1,3-Dichloropropene
Concen: 90.200 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

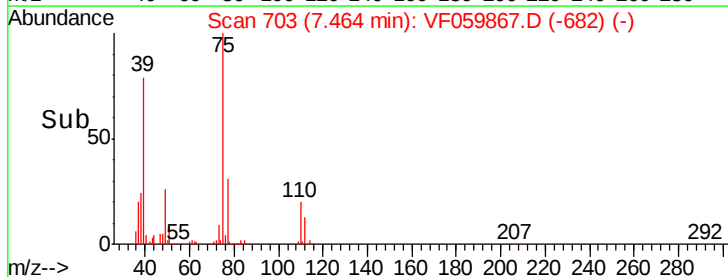
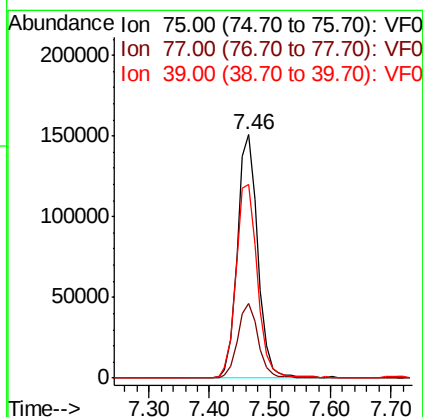
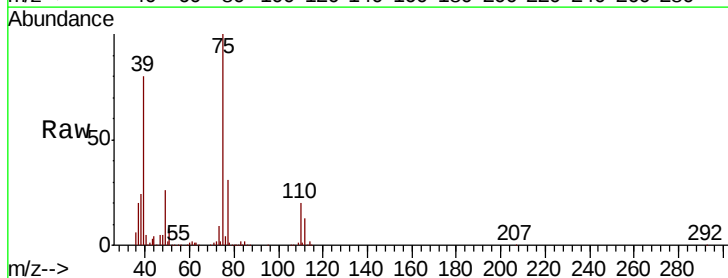
Instrument :
MSVOA_F
ClientSampleId :

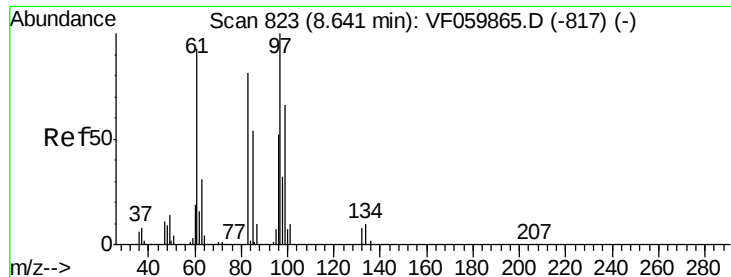
Tot Ion: 75 Resp: 328577
Ion Ratio Lower Upper
75 100
77 30.7 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 99.174 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 75 Resp: 353750
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1
39 79.6 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 92.811 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 97 Resp: 154211

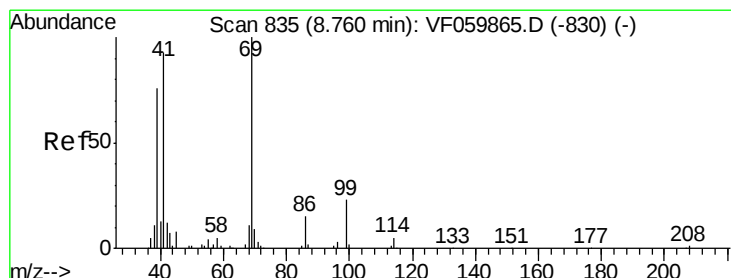
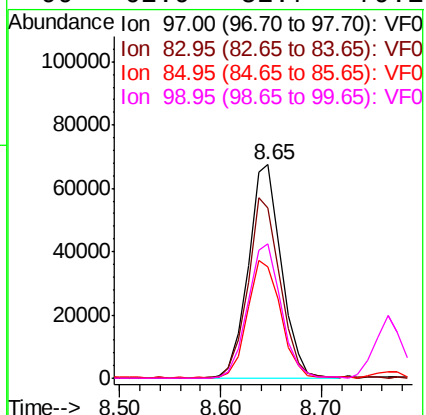
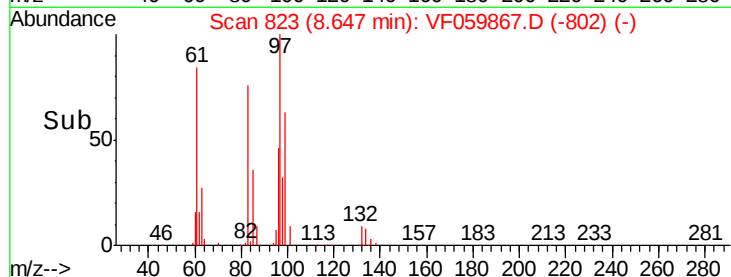
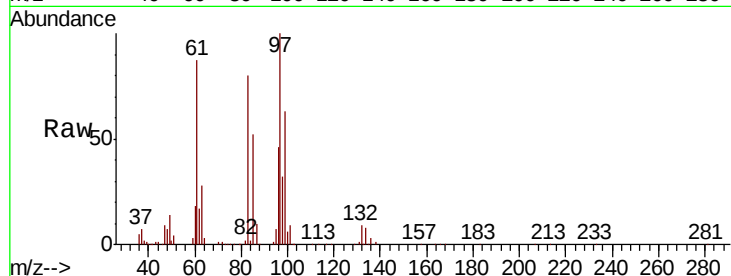
Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.4	96.6
85	52.4	43.1	64.7
99	62.9	52.7	79.1

97 100

83 80.0 64.4 96.6

85 52.4 43.1 64.7

99 62.9 52.7 79.1



#56

Ethyl methacrylate

Concen: 104.087 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

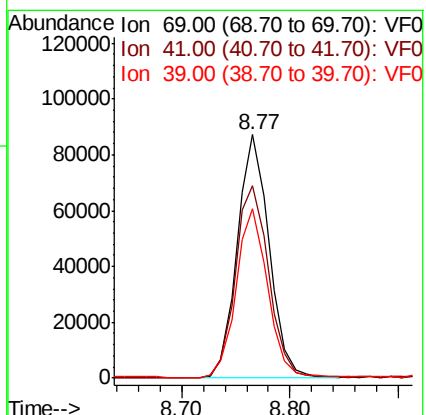
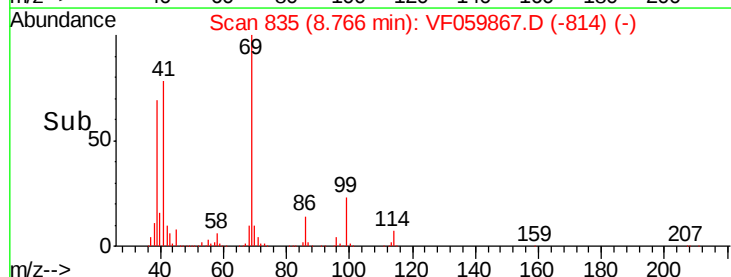
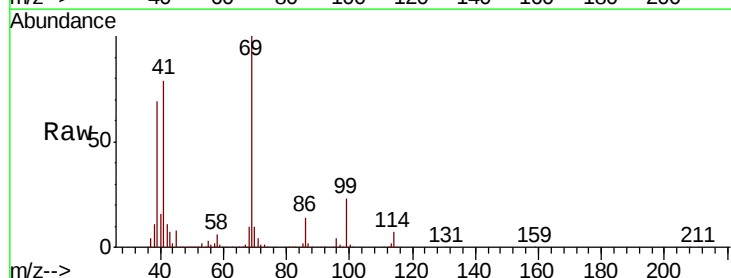
Tgt Ion: 69 Resp: 178928

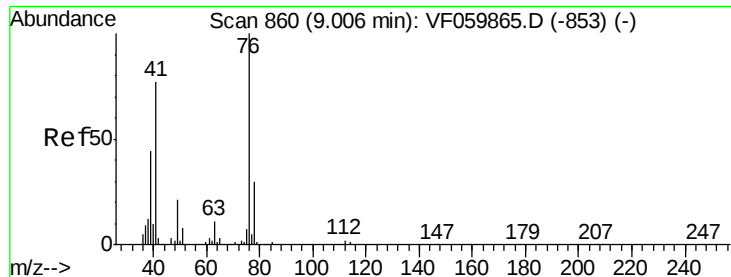
Ion	Ratio	Lower	Upper
69	100		
41	78.8	74.7	112.1
39	69.5	61.1	91.7

69 100

41 78.8 74.7 112.1

39 69.5 61.1 91.7





#57

1,3-Dichloropropane

Concen: 95.097 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

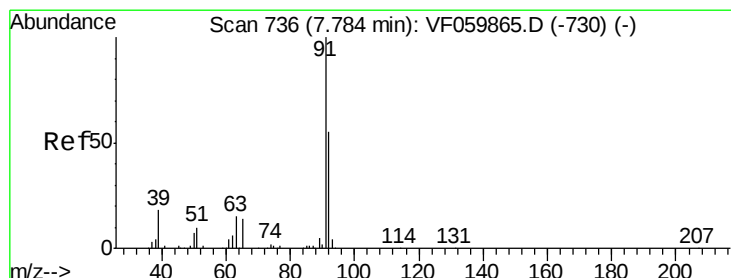
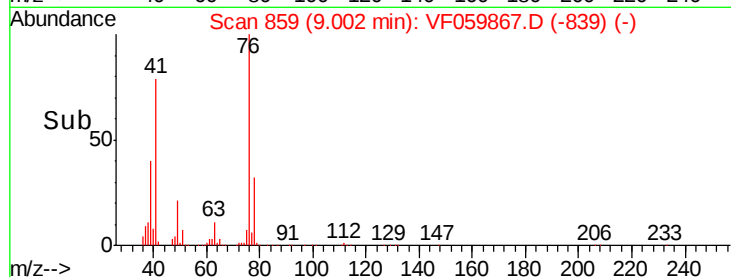
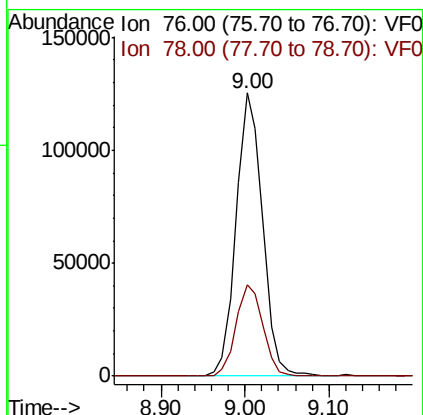
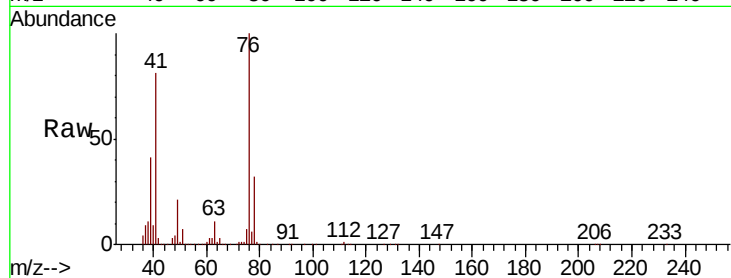
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 274024

Ion Ratio Lower Upper

76 100

78 32.3 24.2 36.2



#58

2-Chloroethyl Vinyl ether

Concen: 472.106 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059867.D

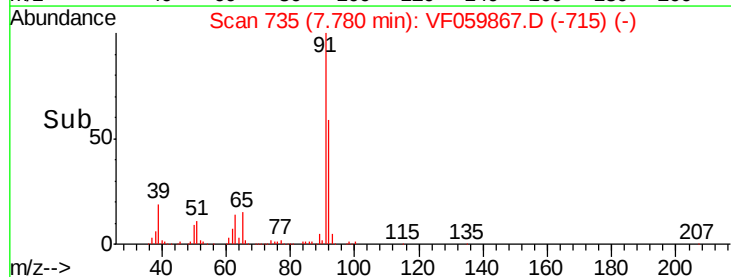
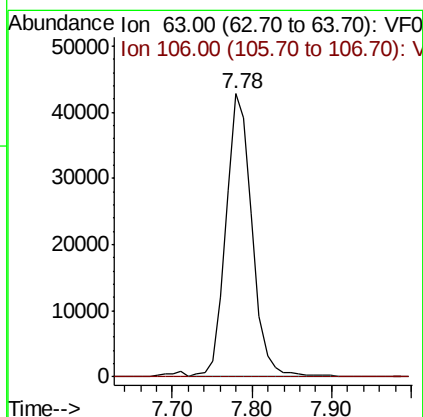
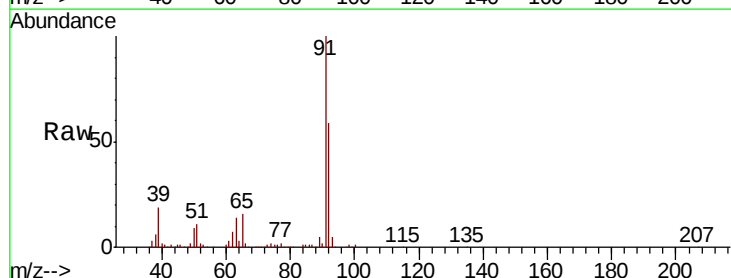
Acq: 4 Aug 2018 5:40

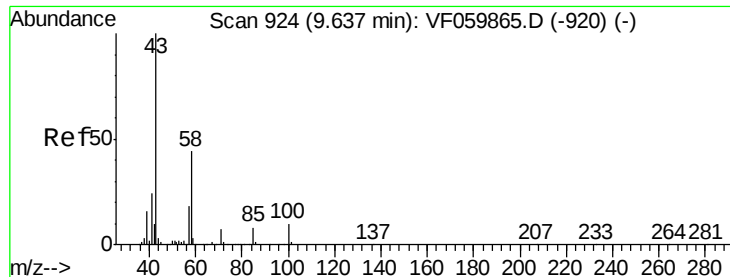
Tgt Ion: 63 Resp: 98750

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

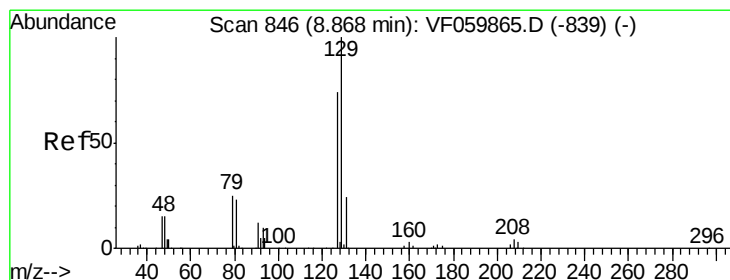
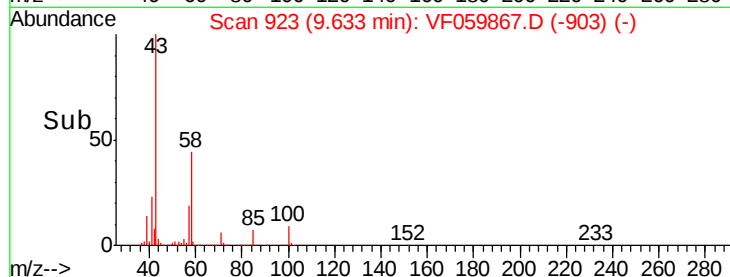
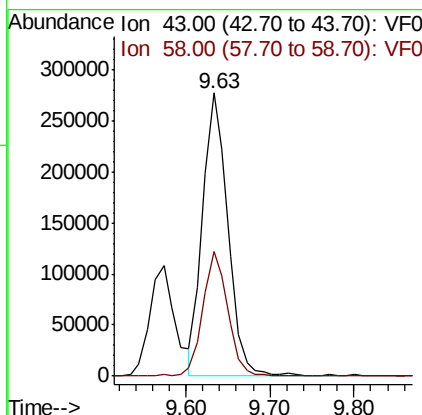
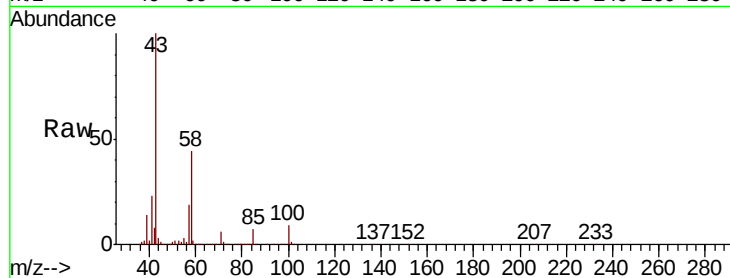




#59
2-Hexanone
Concen: 509.737 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

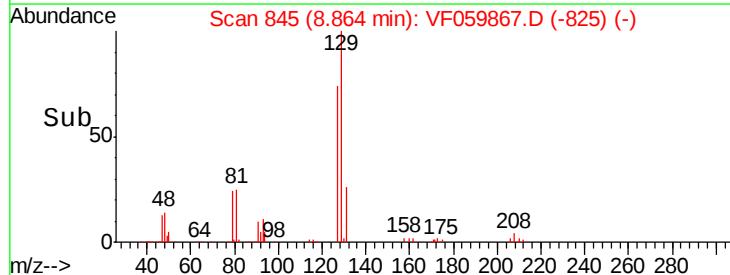
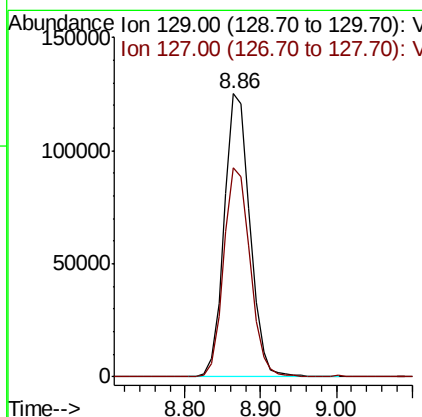
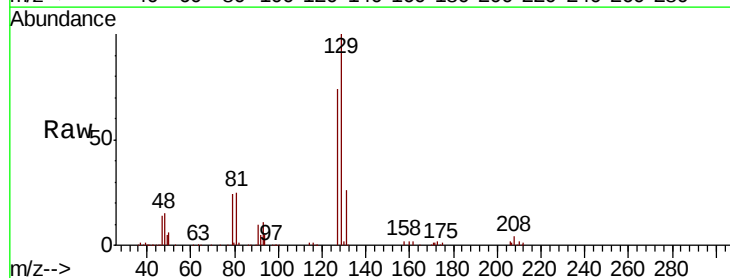
Instrument :
MSVOA_F
ClientSampleId :

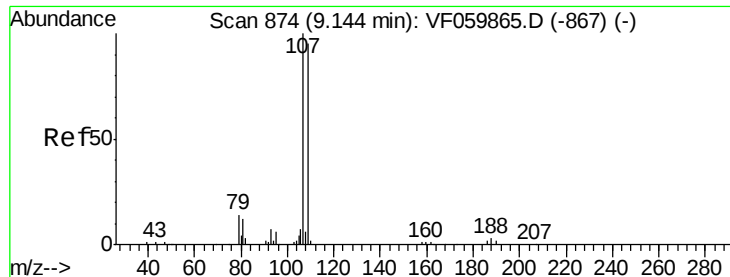
Tot Ion: 43 Resp: 575055
Ion Ratio Lower Upper
43 100
58 44.0 20.8 62.2



#60
Dibromochloromethane
Concen: 98.484 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion: 129 Resp: 294309
Ion Ratio Lower Upper
129 100
127 74.0 36.9 110.7





#61

1,2-Dibromoethane

Concen: 98.319 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

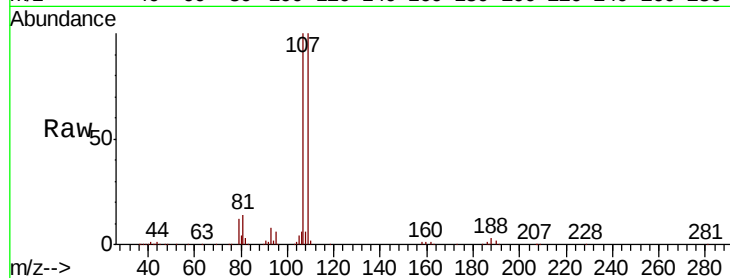
ClientSampled :

Tot Ion: 107 Resp: 193918

Ion Ratio Lower Upper

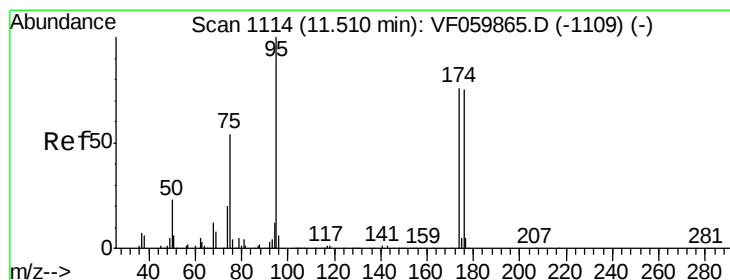
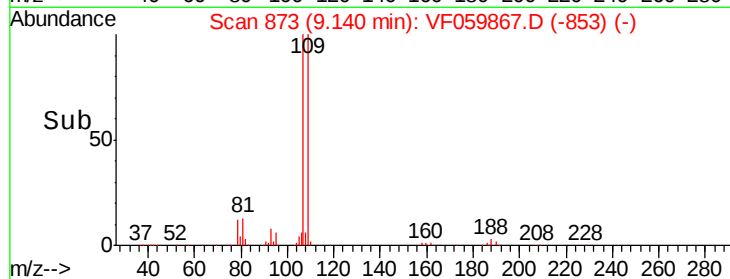
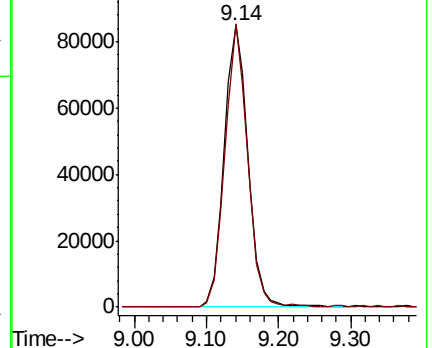
107 100

109 100.4 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 88.042 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

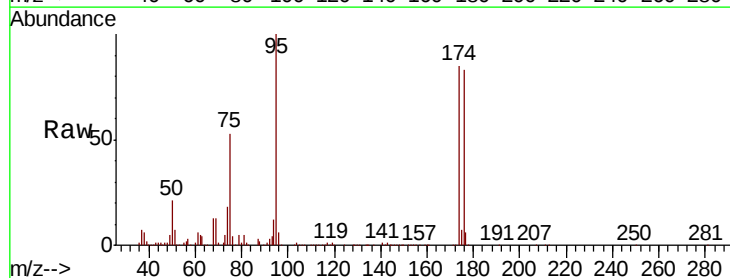
Tgt Ion: 95 Resp: 356472

Ion Ratio Lower Upper

95 100

174 85.4 0.0 151.6

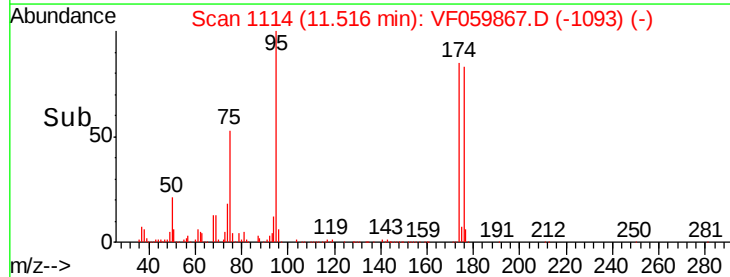
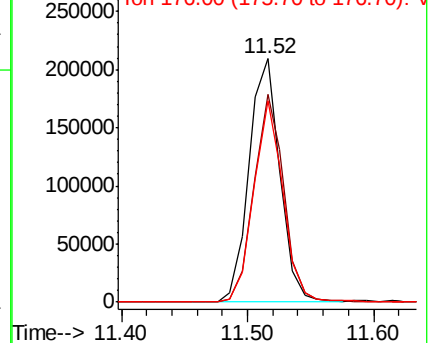
176 82.8 0.0 149.8

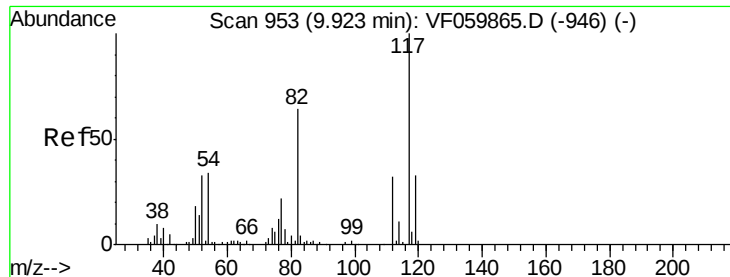


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

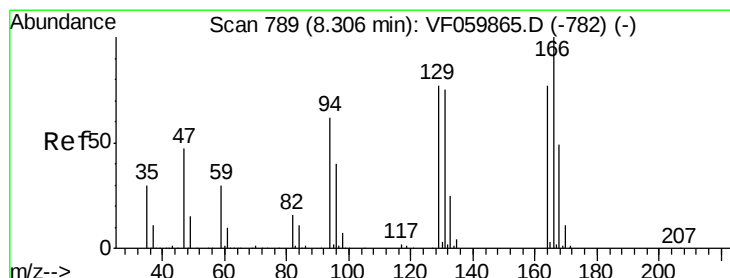
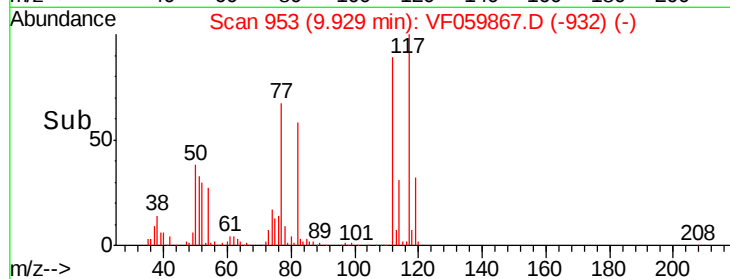
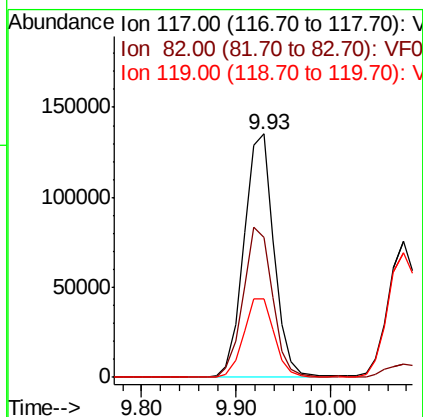
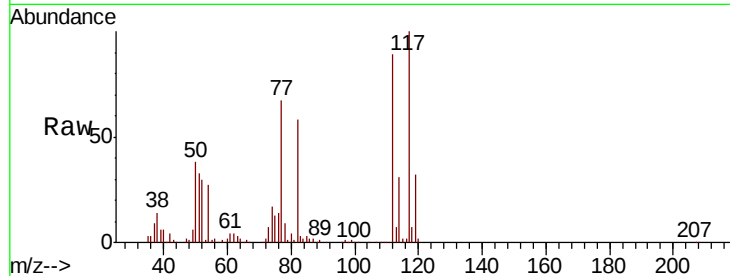




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

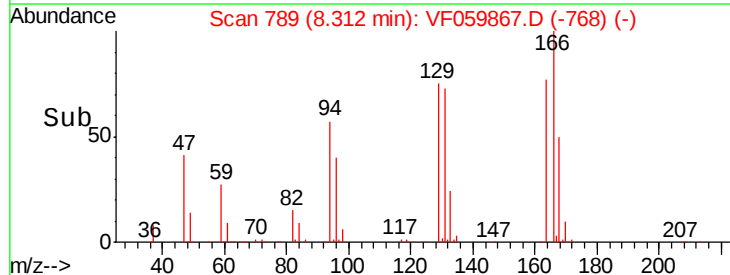
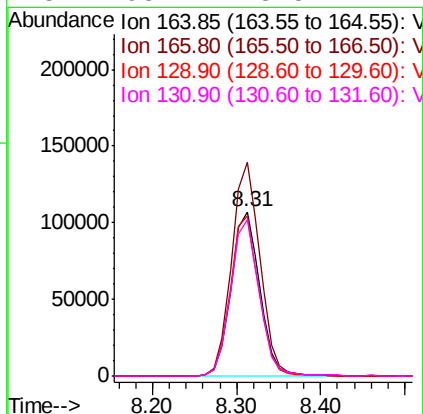
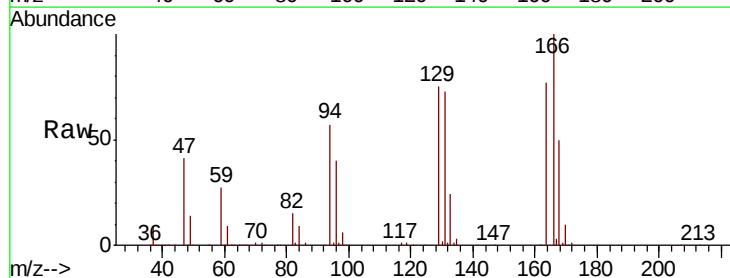
Instrument :
MSVOA_F
ClientSampleId :

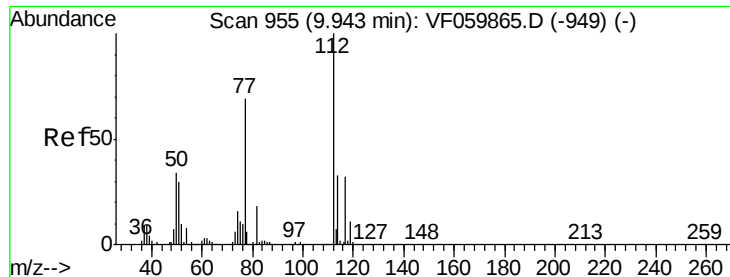
Tot Ion:117 Resp: 296633
Ion Ratio Lower Upper
117 100
82 57.7 51.3 76.9
119 32.2 26.4 39.6



#64
Tetrachloroethene
Concen: 104.810 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion:164 Resp: 253543
Ion Ratio Lower Upper
164 100
166 130.4 104.4 156.6
129 97.6 80.3 120.5
131 95.7 78.5 117.7

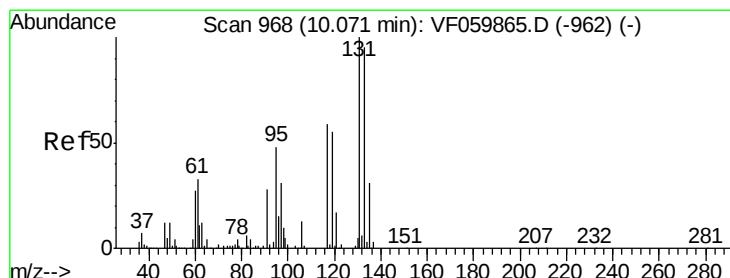
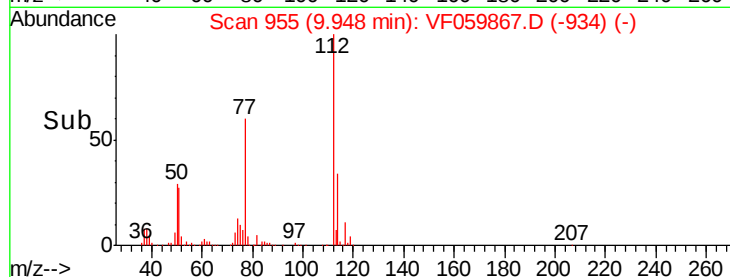
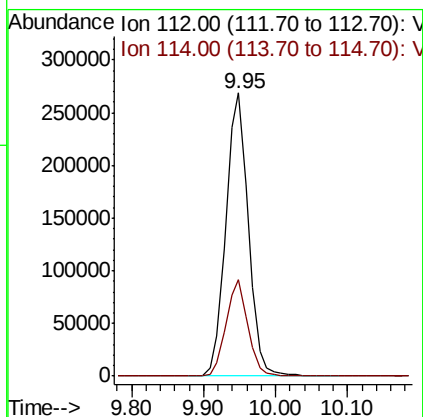
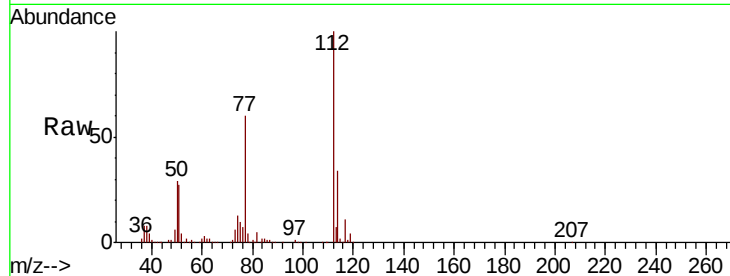




#65
Chlorobenzene
Concen: 95.602 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

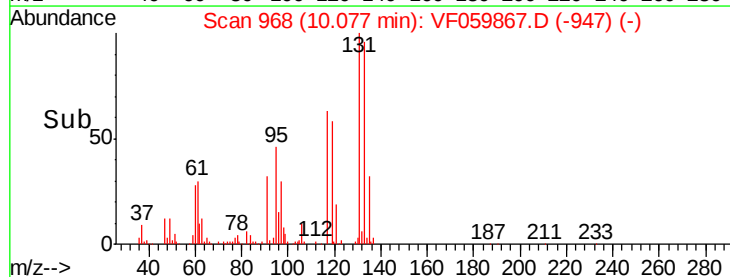
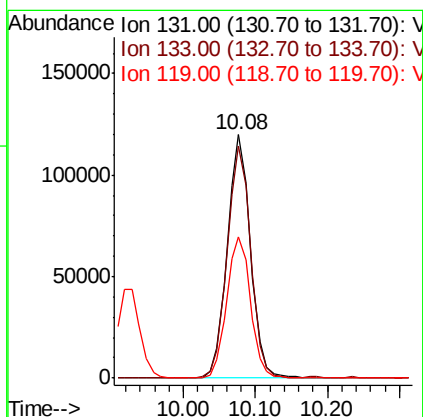
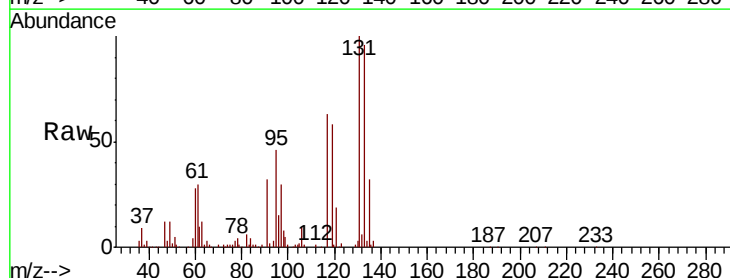
Instrument :
MSVOA_F
ClientSampleId :

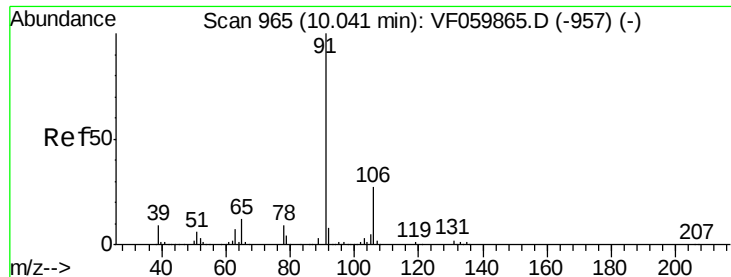
Tot Ion:112 Resp: 581271
Ion Ratio Lower Upper
112 100
114 34.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 93.894 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion:131 Resp: 267837
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.2
119 58.0 27.7 83.1





#67

Ethyl Benzene

Concen: 93.345 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

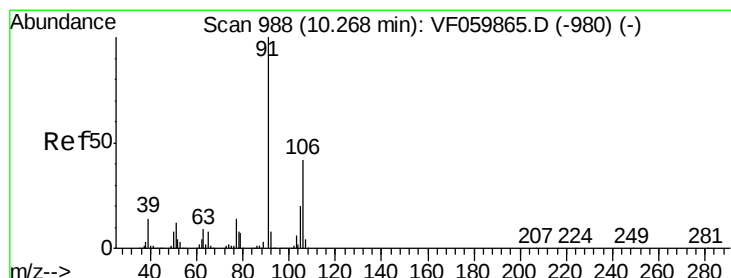
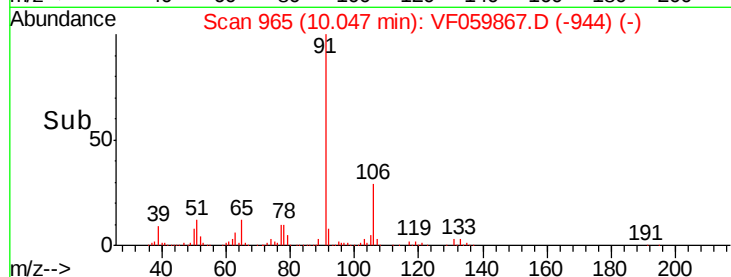
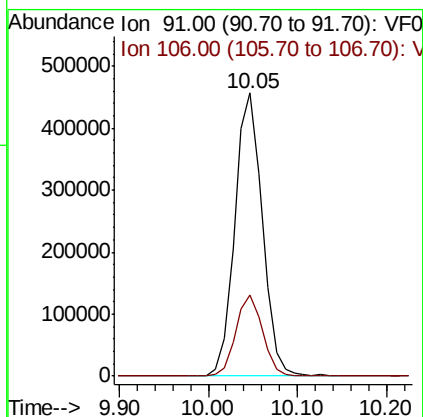
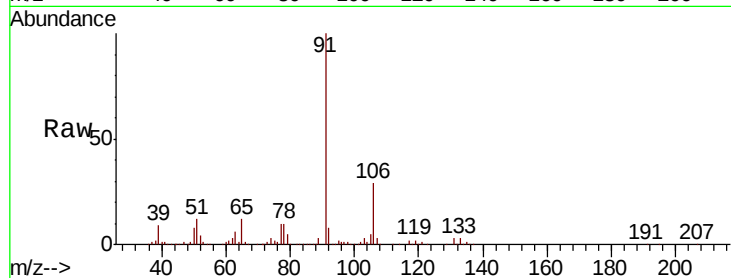
ClientSampleId :

Tot Ion: 91 Resp: 984911

Ion Ratio Lower Upper

91 100

106 28.7 21.5 32.3



#68

m/p-Xylenes

Concen: 187.213 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059867.D

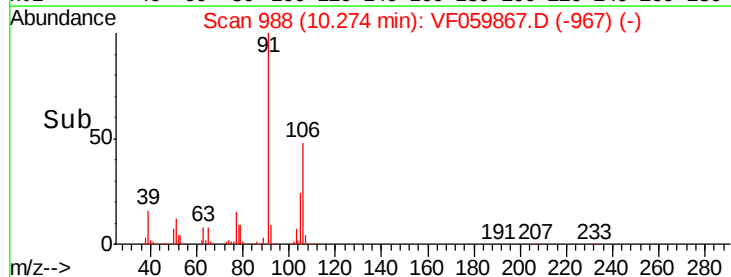
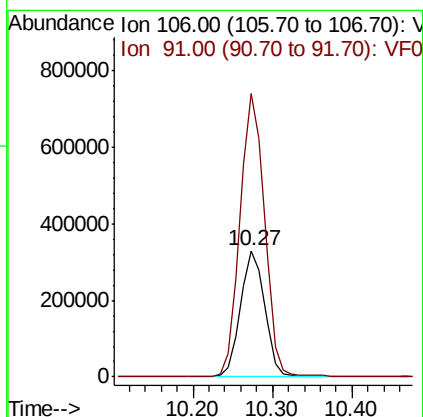
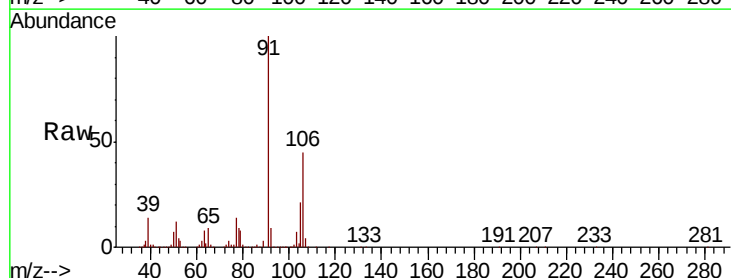
Acq: 4 Aug 2018 5:40

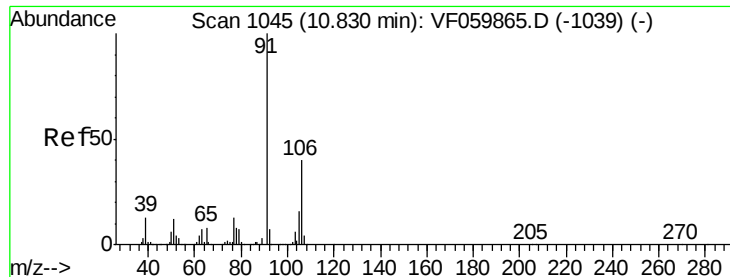
Tgt Ion:106 Resp: 692364

Ion Ratio Lower Upper

106 100

91 224.4 192.1 288.1

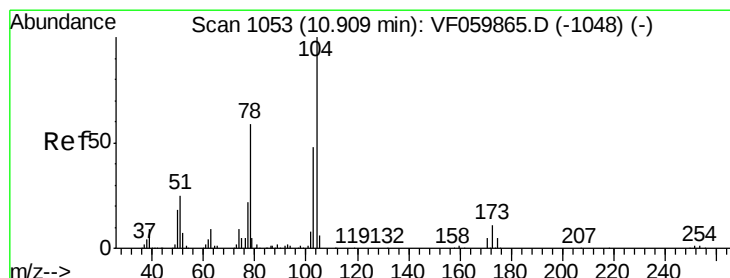
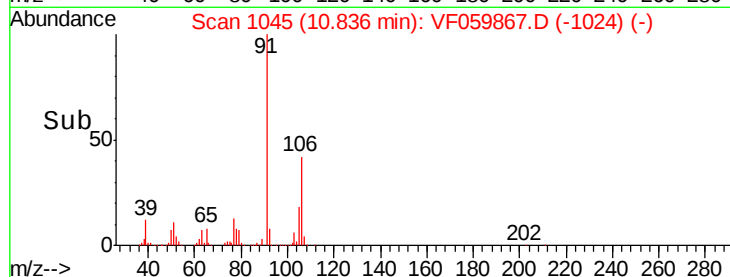
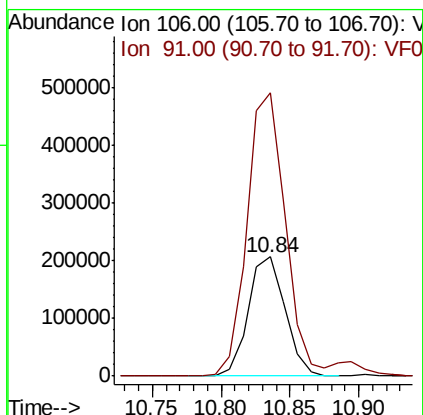
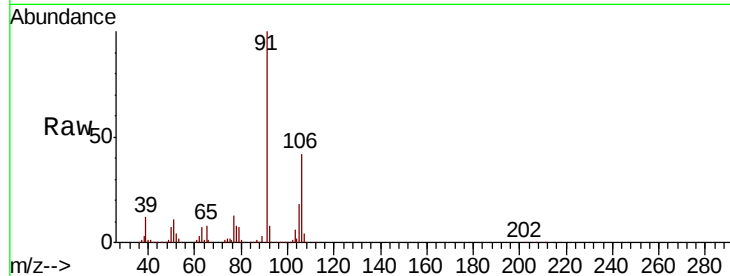




#69
o-Xylene
Concen: 99.531 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

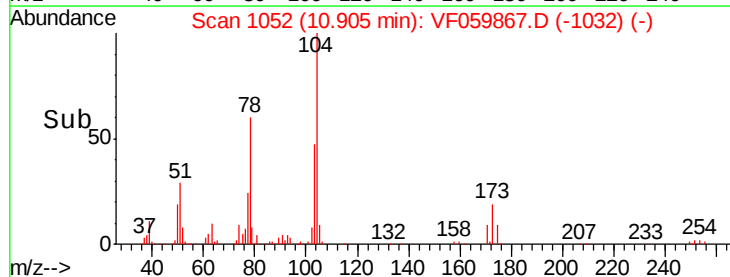
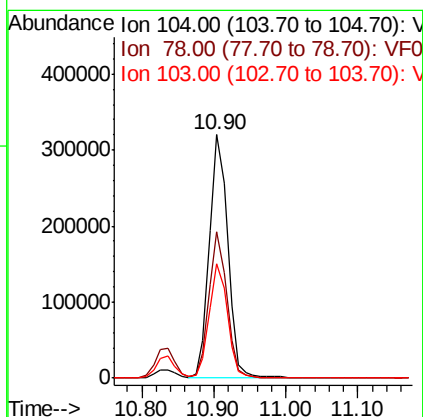
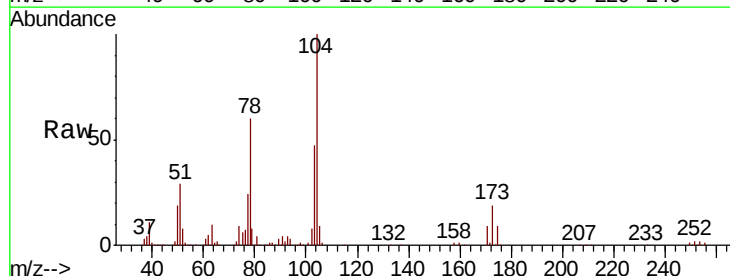
Instrument :
MSVOA_F
ClientSampled :

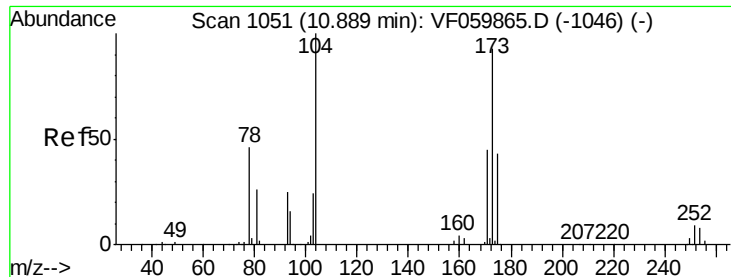
Tot Ion:106 Resp: 389329
Ion Ratio Lower Upper
106 100
91 236.8 125.4 376.2



#70
Styrene
Concen: 96.312 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion:104 Resp: 564271
Ion Ratio Lower Upper
104 100
78 59.9 47.3 70.9
103 47.0 39.0 58.4





#71

Bromoform

Concen: 95.952 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

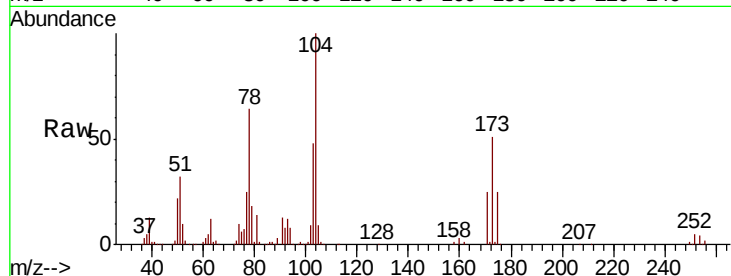
Tot Ion:173 Resp: 175767

Ion Ratio Lower Upper

173 100

175 48.9 23.4 70.2

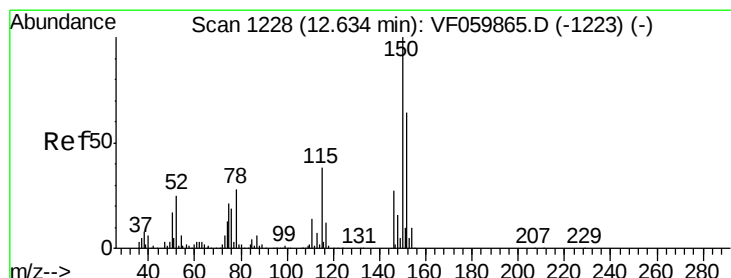
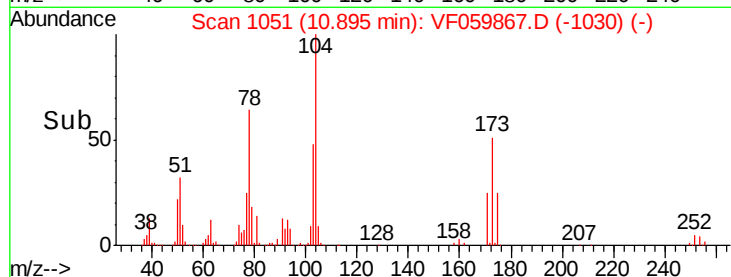
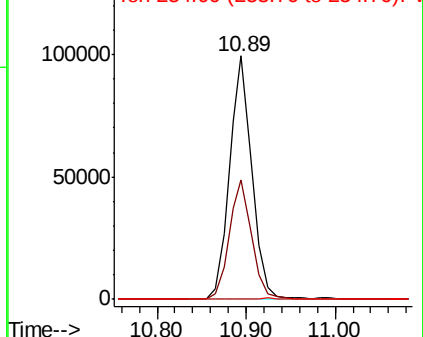
254 0.1 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

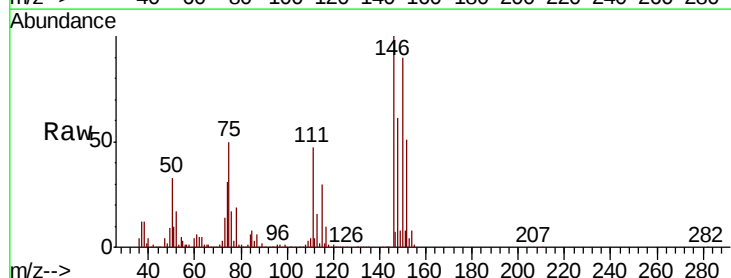
Tgt Ion:152 Resp: 187108

Ion Ratio Lower Upper

152 100

115 57.8 29.8 89.4

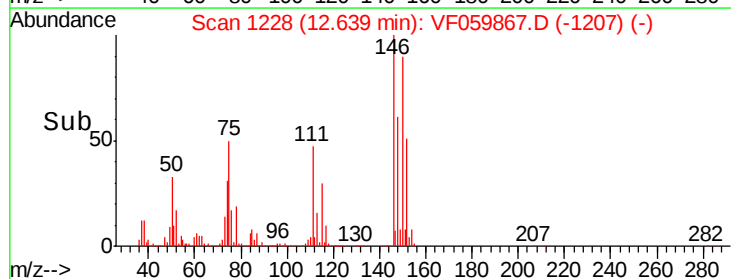
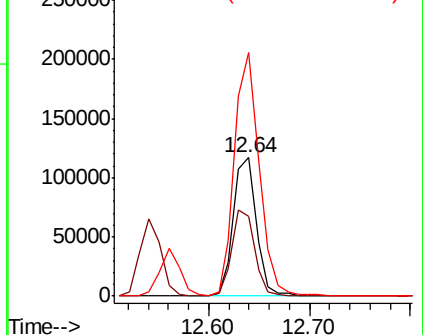
150 176.1 0.0 315.6

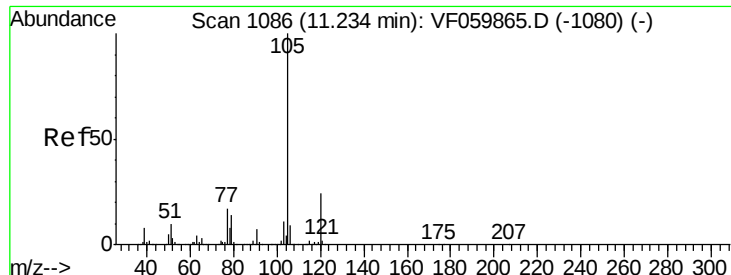


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 93.104 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

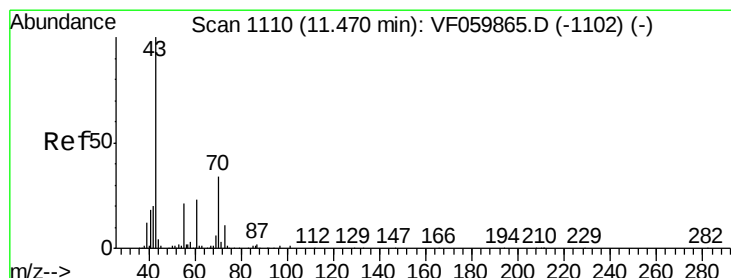
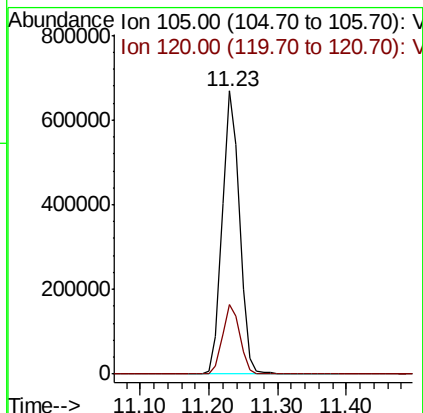
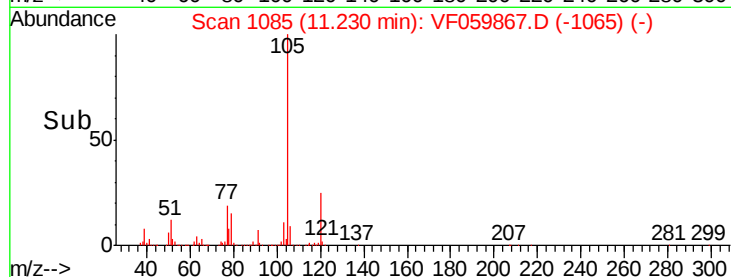
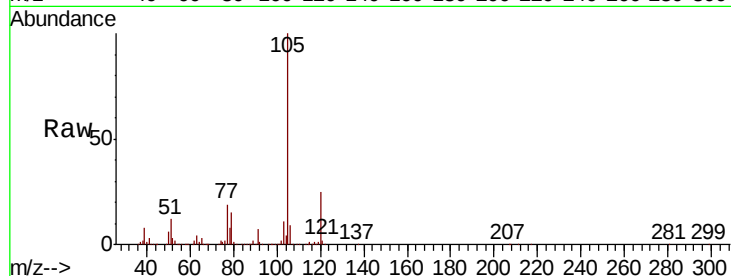
ClientSampleId :

Tot Ion:105 Resp: 1166406

Ion Ratio Lower Upper

105 100

120 24.8 12.1 36.3



#74

N-ethyl acetate

Concen: 97.167 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion: 43 Resp: 300278

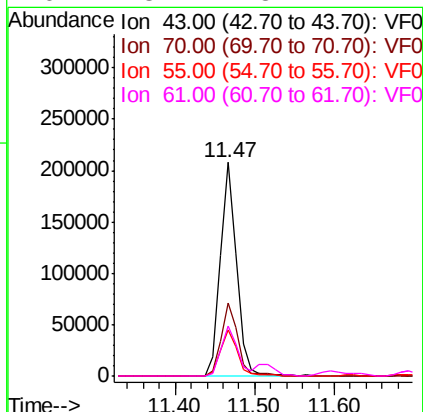
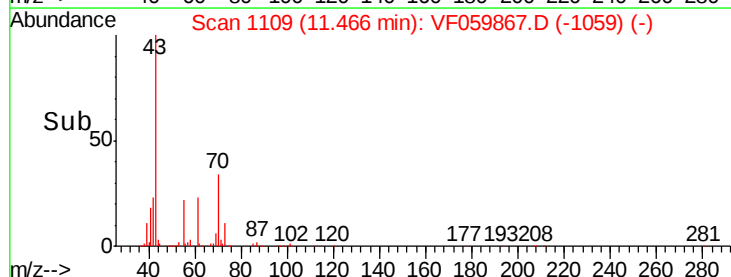
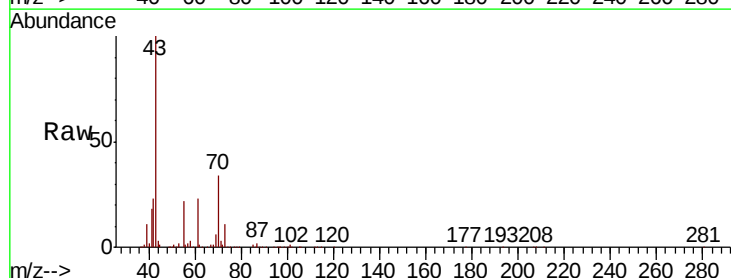
Ion Ratio Lower Upper

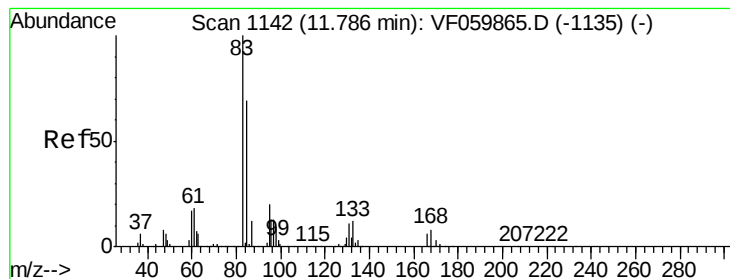
43 100

70 34.1 27.5 41.3

55 21.9 16.6 25.0

61 23.4 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 91.710 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

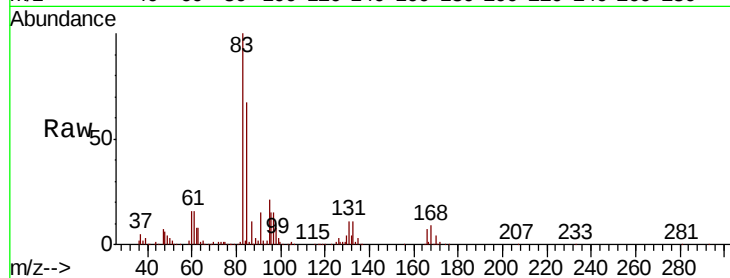
Tot Ion: 83 Resp: 212647

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	15.9
85	66.7	34.5	103.5

83 100

131 10.8 5.3 15.9

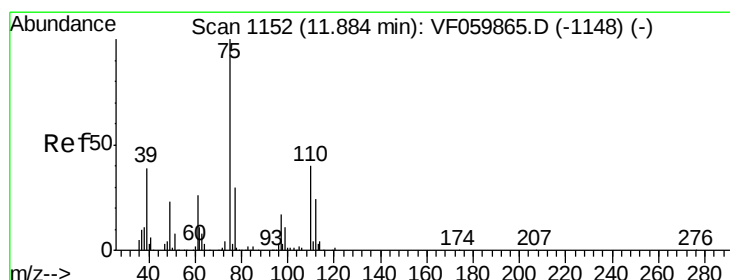
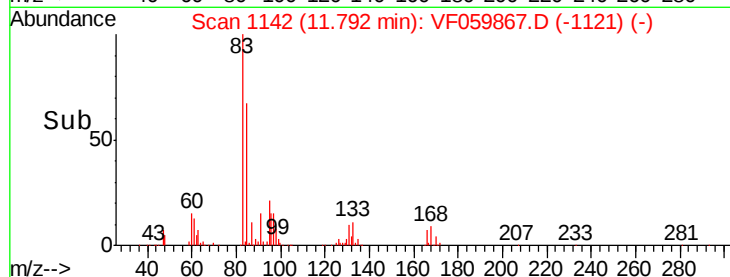
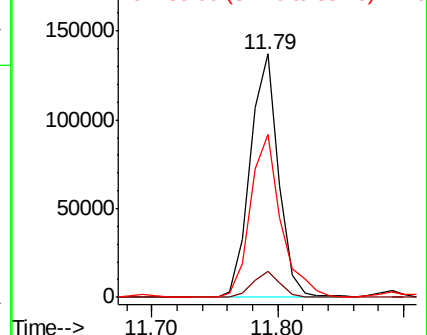
85 66.7 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 91.741 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059867.D

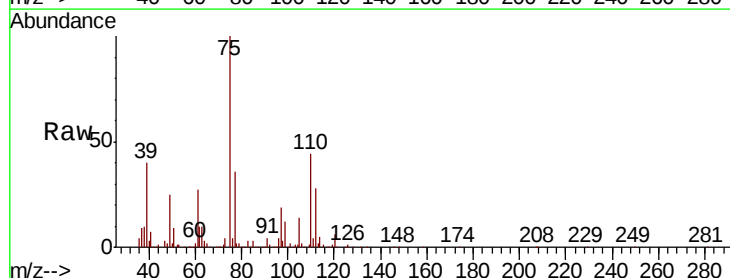
Acq: 4 Aug 2018 5:40

Tgt Ion: 75 Resp: 182364

Ion	Ratio	Lower	Upper
75	100		
77	35.9	15.4	46.2

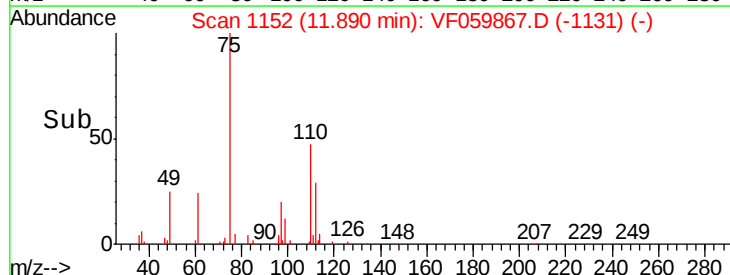
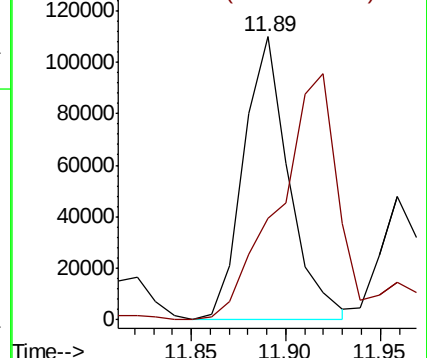
75 100

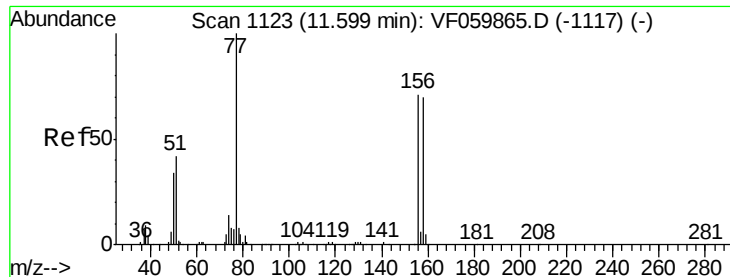
77 35.9 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 94.729 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

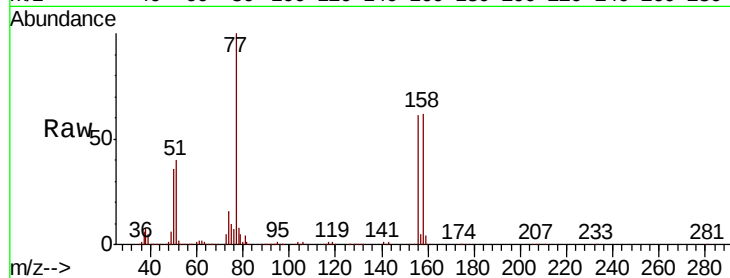
Tot Ion:156 Resp: 308864

Ion Ratio Lower Upper

156 100

77 164.0 70.2 210.6

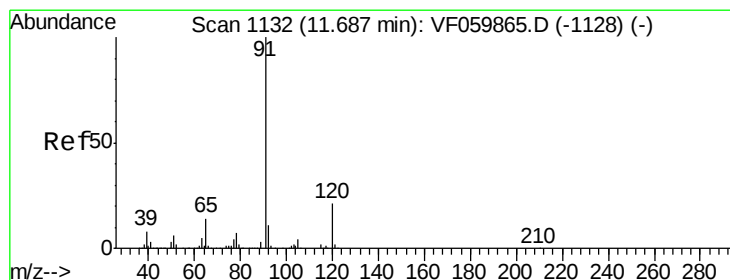
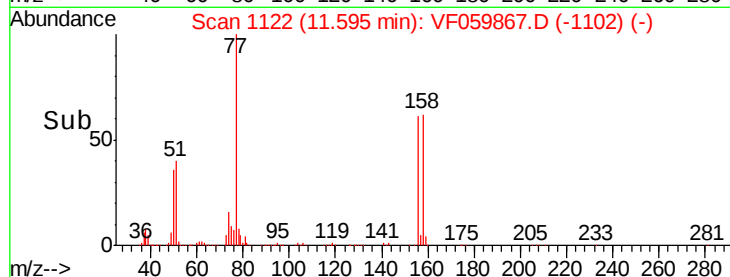
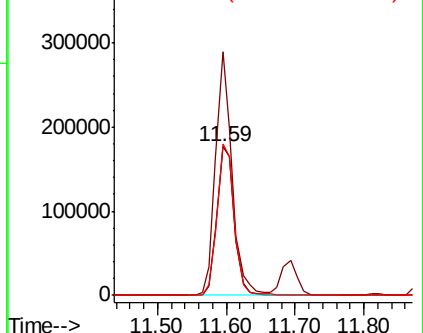
158 101.9 49.2 147.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 87.646 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059867.D

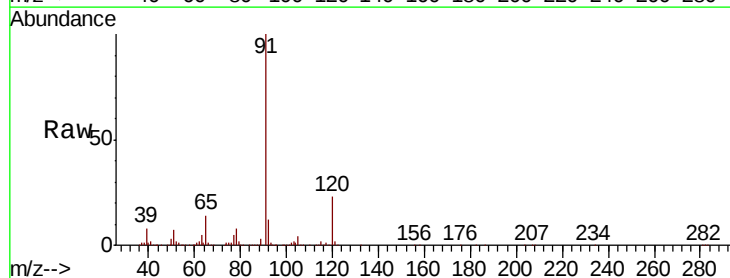
Acq: 4 Aug 2018 5:40

Tgt Ion: 91 Resp: 1280408

Ion Ratio Lower Upper

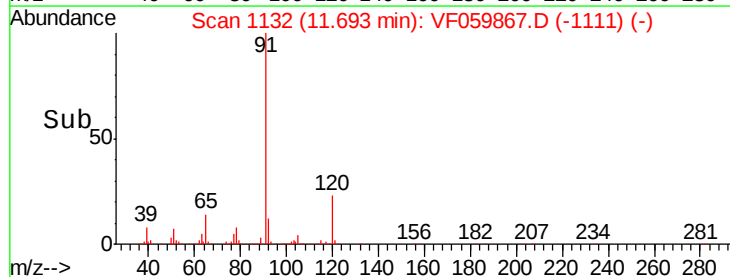
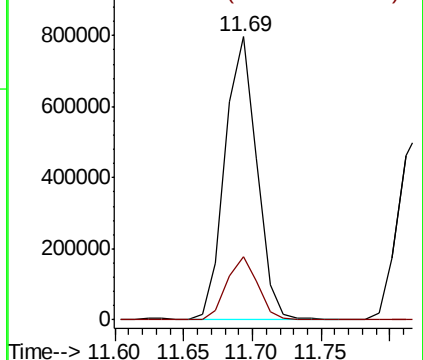
91 100

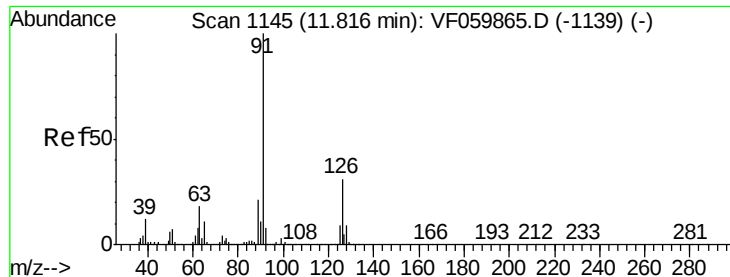
120 22.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.949 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

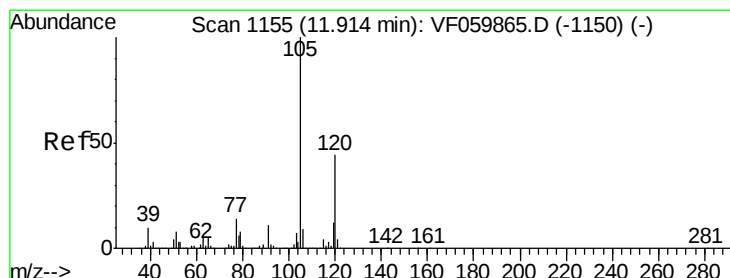
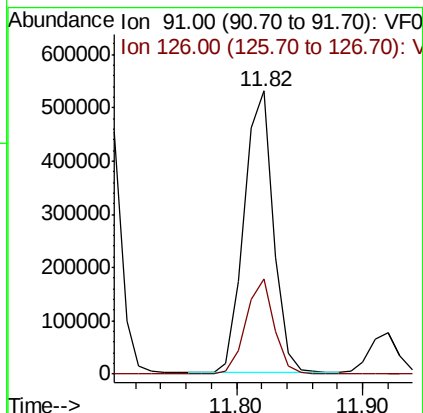
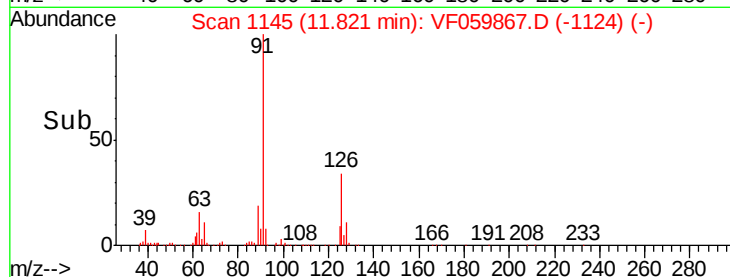
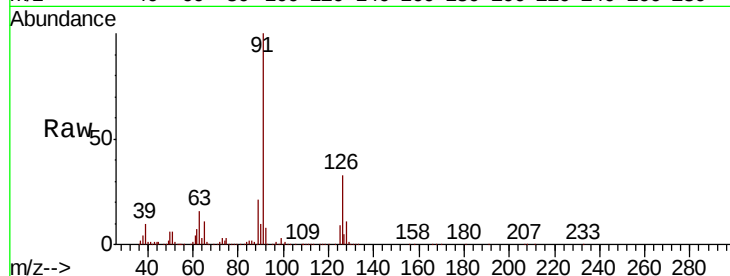
ClientSampleId :

Tot Ion: 91 Resp: 853072

Ion Ratio Lower Upper

91 100

126 33.5 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 92.149 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059867.D

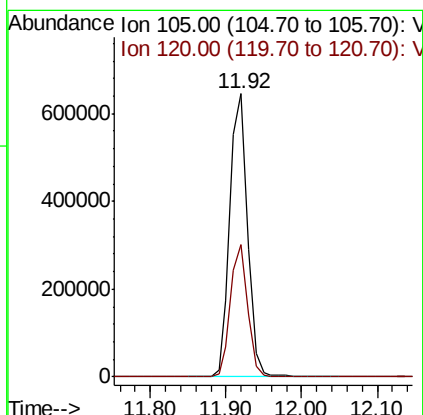
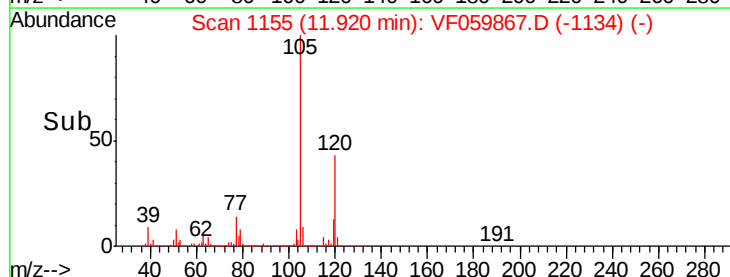
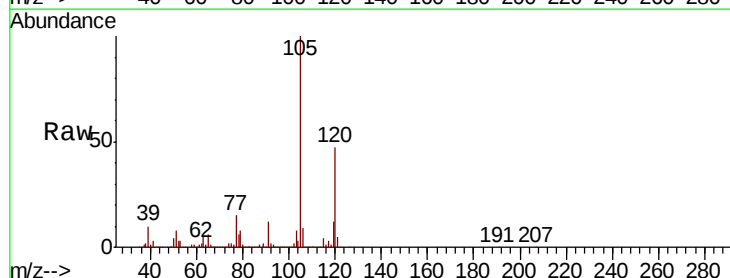
Acq: 4 Aug 2018 5:40

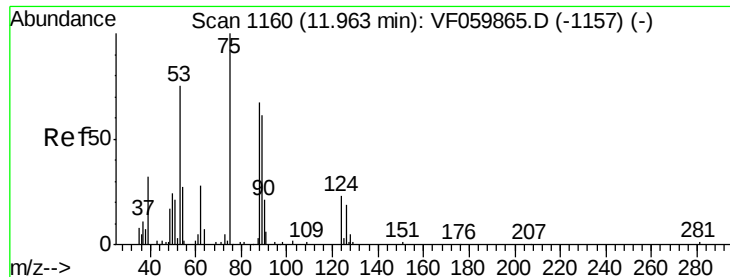
Tgt Ion:105 Resp: 1039868

Ion Ratio Lower Upper

105 100

120 46.9 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 131.542 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampled :

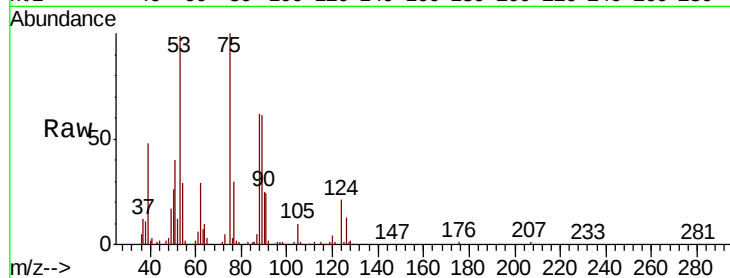
Tot Ion: 75 Resp: 105230

Ion Ratio Lower Upper

75 100

53 99.4 65.9 98.9#

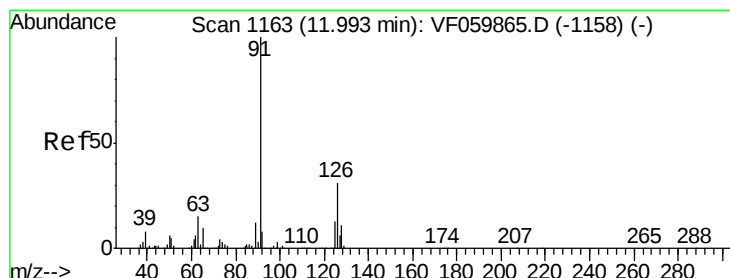
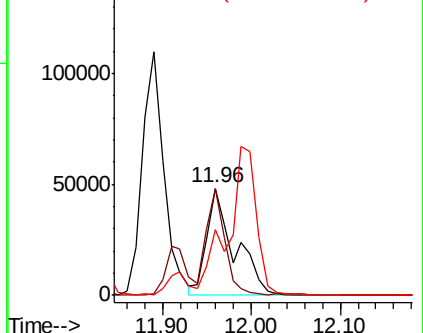
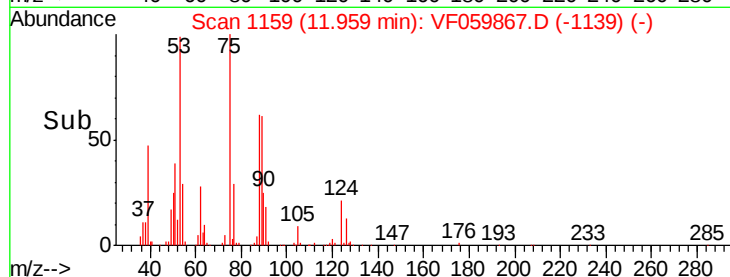
89 61.2 50.6 76.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 91.490 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059867.D

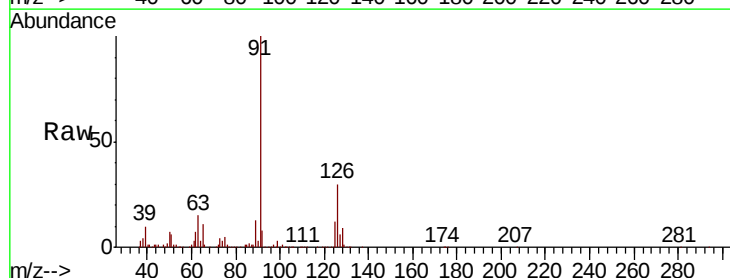
Acq: 4 Aug 2018 5:40

Tgt Ion: 91 Resp: 886597

Ion Ratio Lower Upper

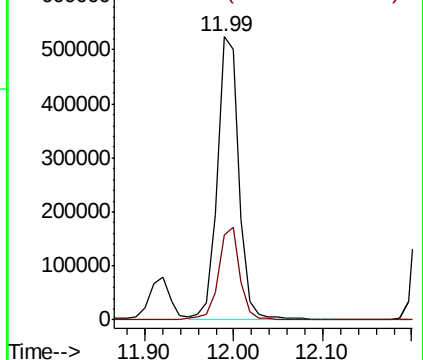
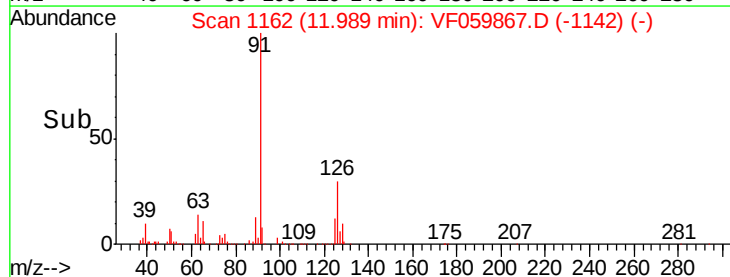
91 100

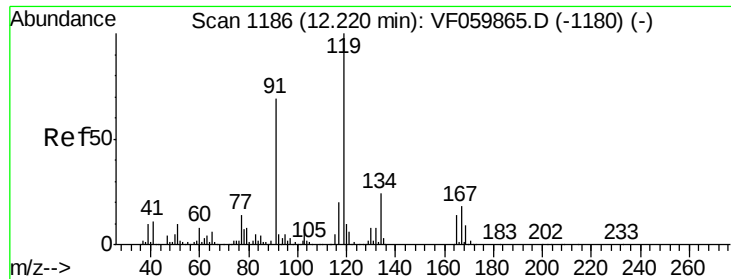
126 30.0 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 91.627 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

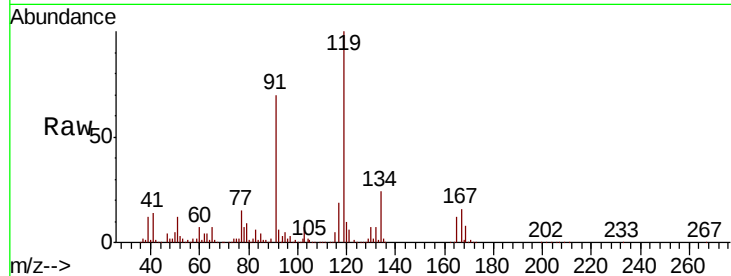
Tot Ion:119 Resp: 1026112

Ion Ratio Lower Upper

119 100

91 70.2 34.4 103.2

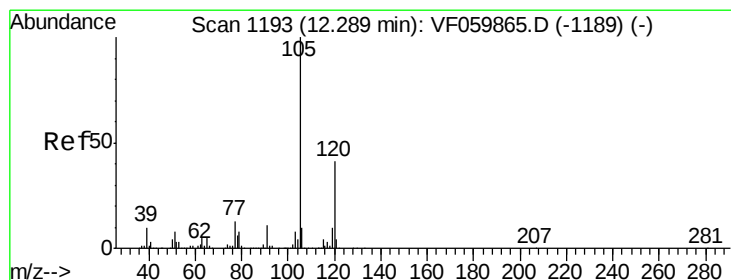
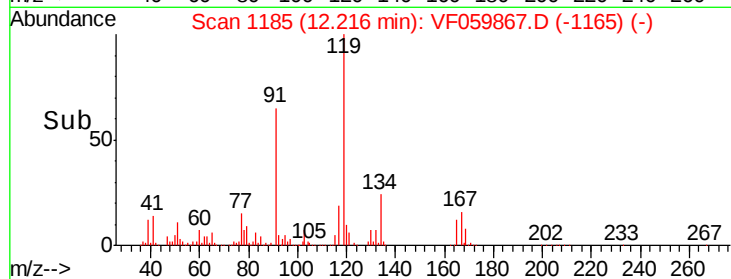
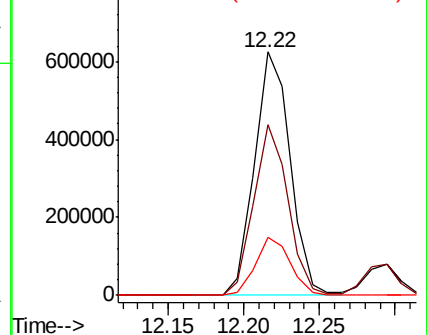
134 23.6 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 95.551 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF059867.D

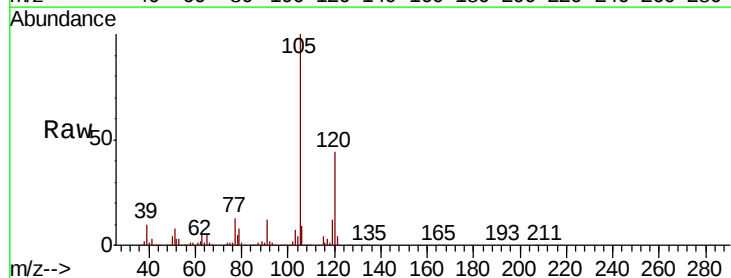
Acq: 4 Aug 2018 5:40

Tgt Ion:105 Resp: 1082309

Ion Ratio Lower Upper

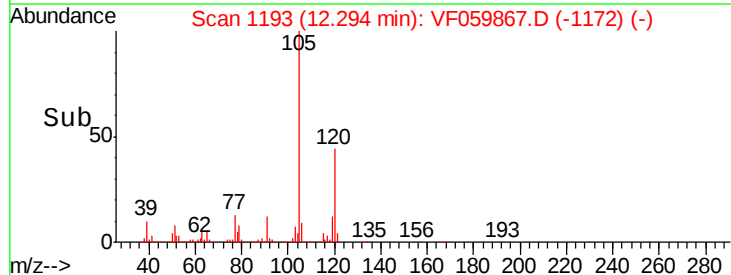
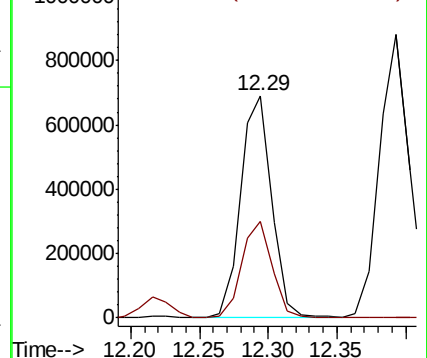
105 100

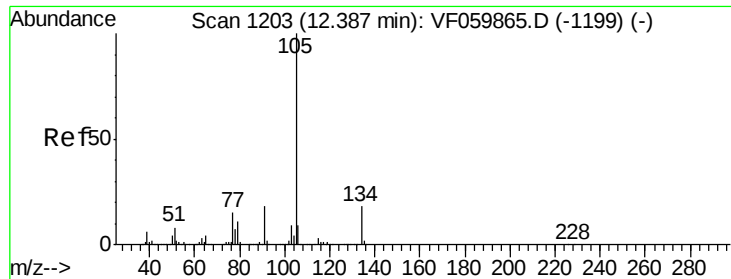
120 43.6 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

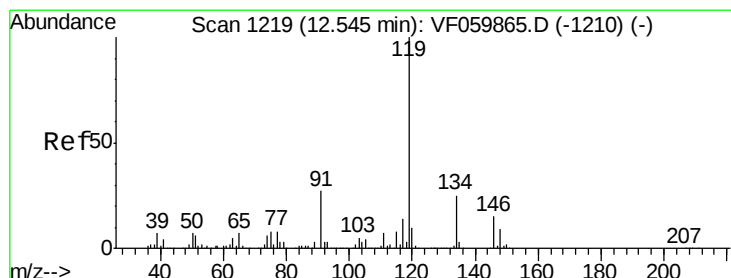
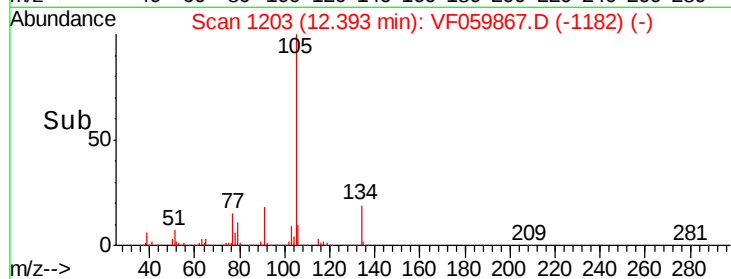
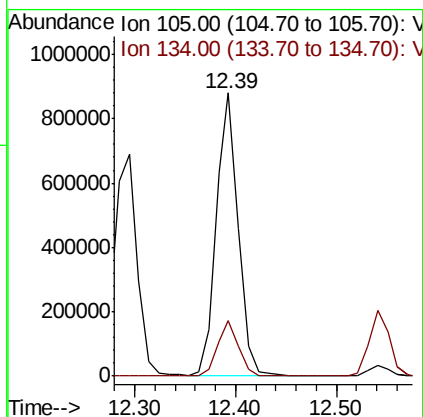
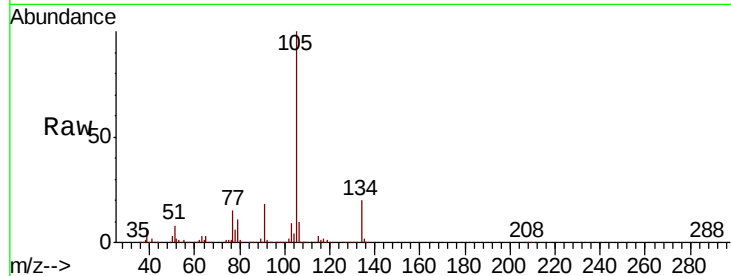




#85
 sec-Butylbenzene
 Concen: 92.329 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

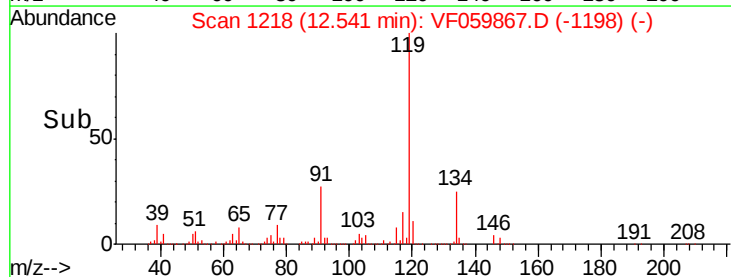
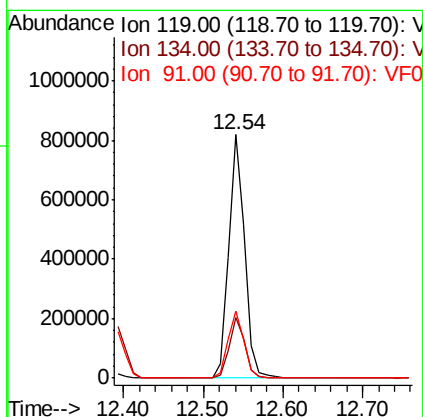
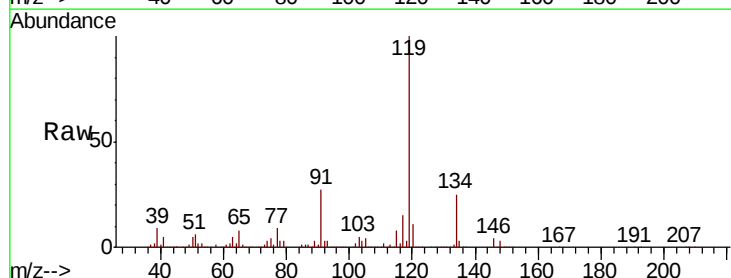
Instrument :
 MSVOA_F
 ClientSampled :

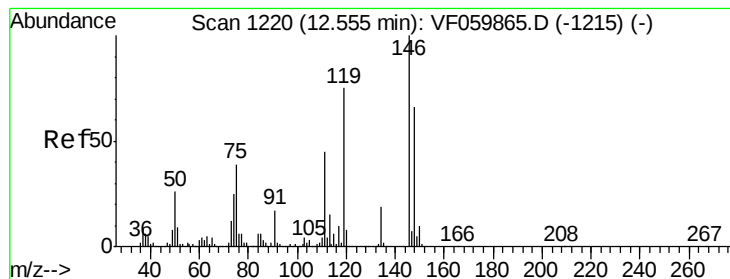
Tot Ion:105 Resp: 1331300
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 90.107 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion:119 Resp: 1145965
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.4 37.0
 91 27.3 13.6 40.7





#87

1,3-Dichlorobenzene

Concen: 87.114 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampled :

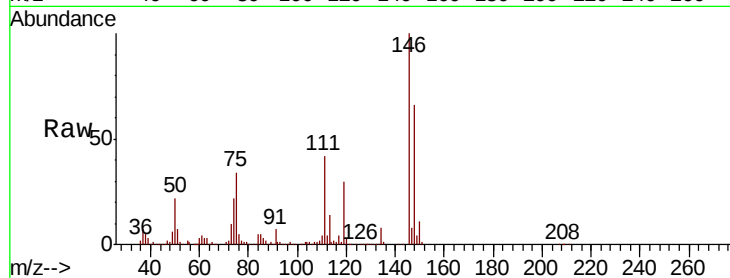
Tot Ion:146 Resp: 541653

Ion Ratio Lower Upper

146 100

111 42.1 22.4 67.0

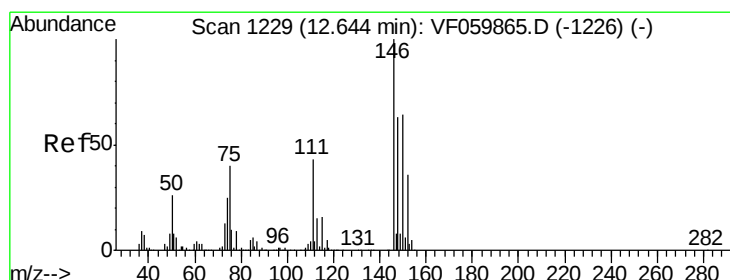
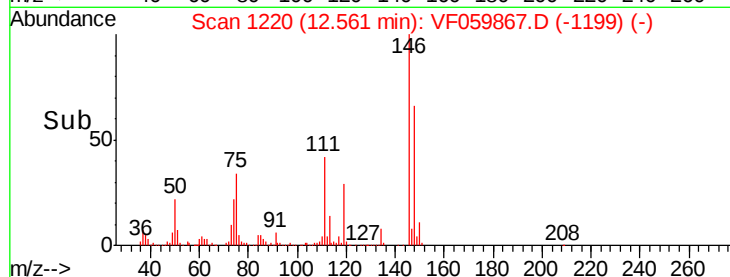
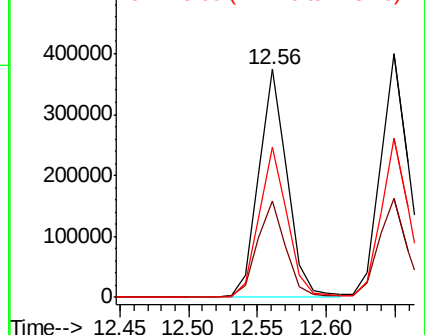
148 65.6 33.1 99.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 94.465 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

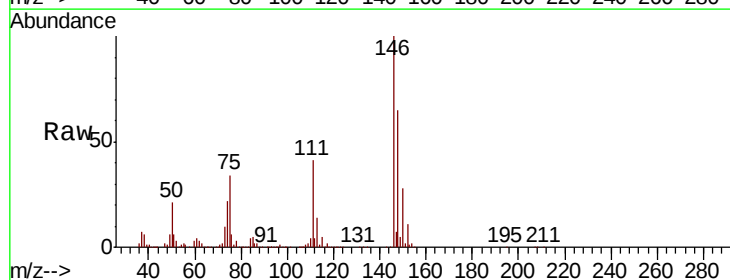
Tgt Ion:146 Resp: 574500

Ion Ratio Lower Upper

146 100

111 40.6 21.4 64.2

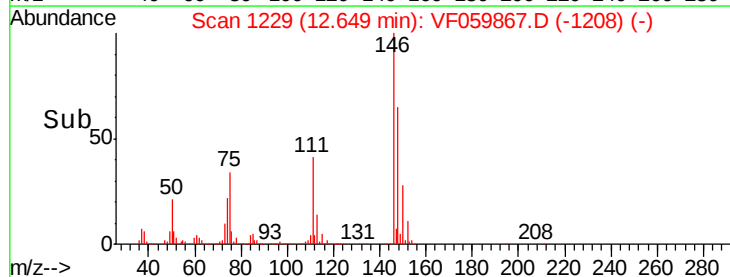
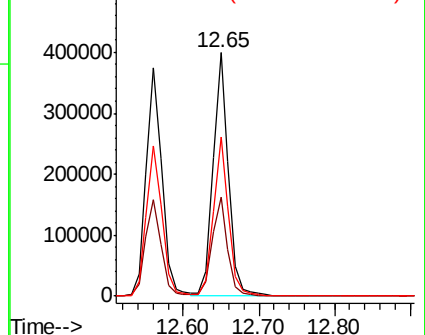
148 65.5 31.6 94.7

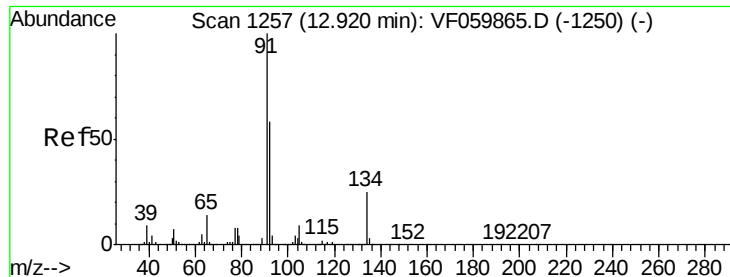


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 89.286 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

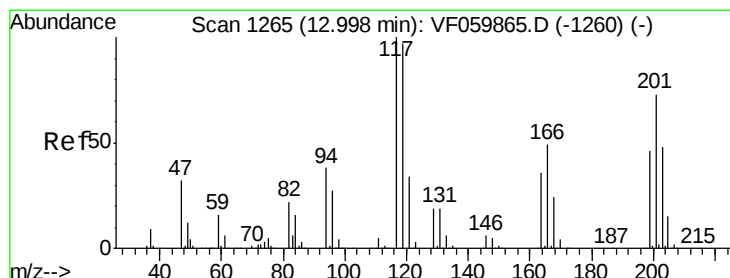
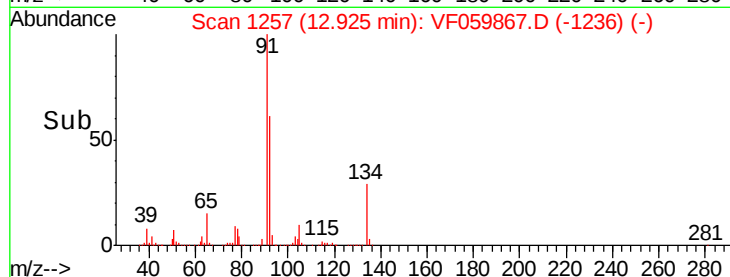
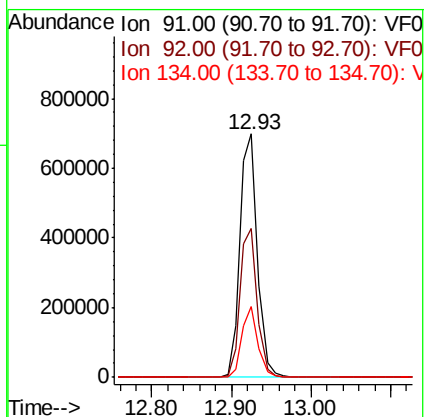
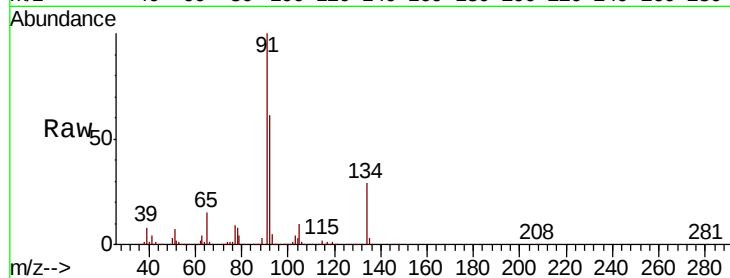
Tot Ion: 91 Resp: 1067933

Ion Ratio Lower Upper

91 100

92 61.2 28.8 86.5

134 29.1 12.6 37.6



#90

Hexachloroethane

Concen: 97.267 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059867.D

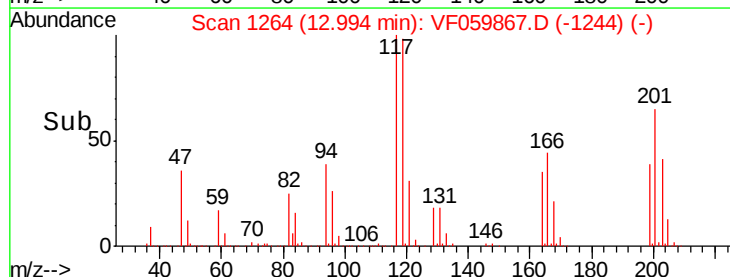
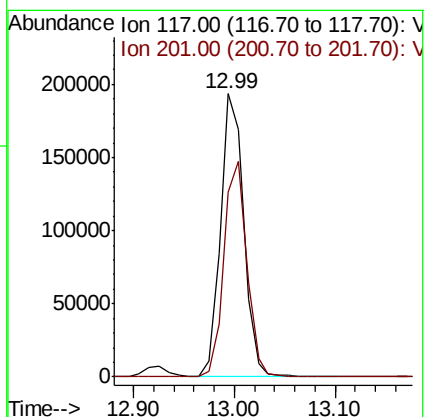
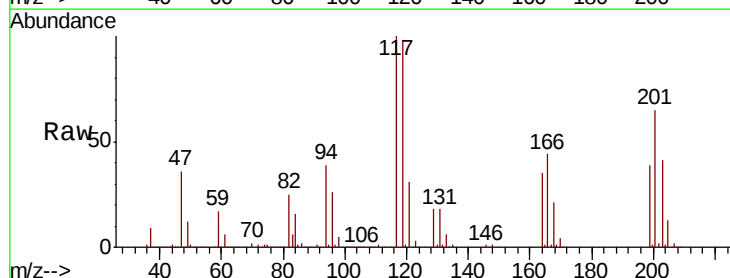
Acq: 4 Aug 2018 5:40

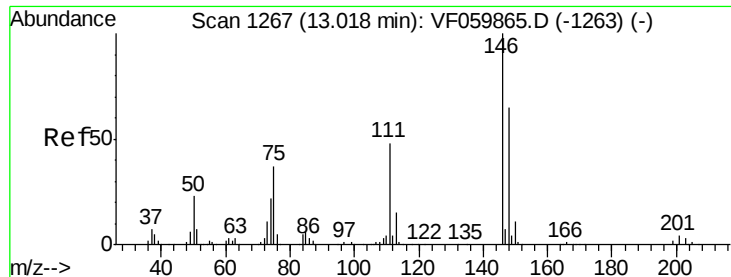
Tgt Ion: 117 Resp: 310506

Ion Ratio Lower Upper

117 100

201 65.2 36.6 109.8

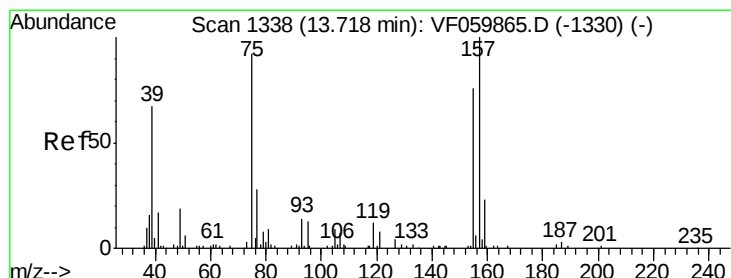
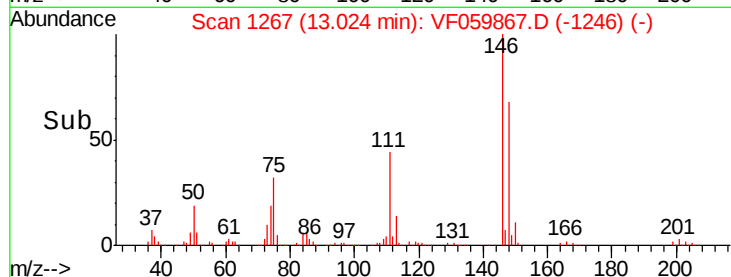
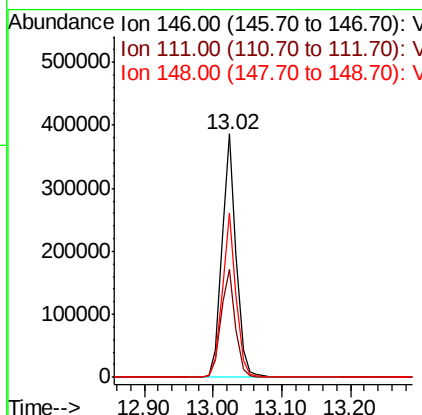
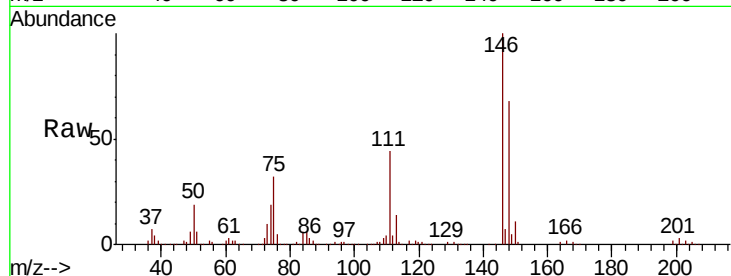




#91
 1,2-Dichlorobenzene
 Concen: 90.995 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

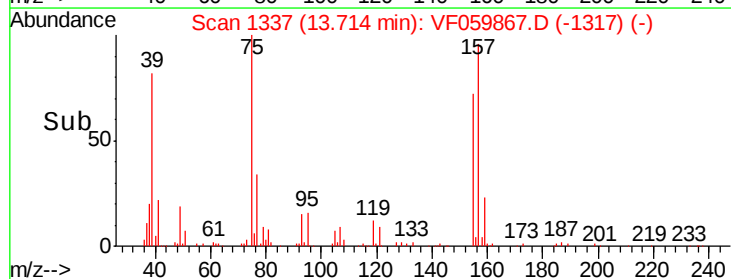
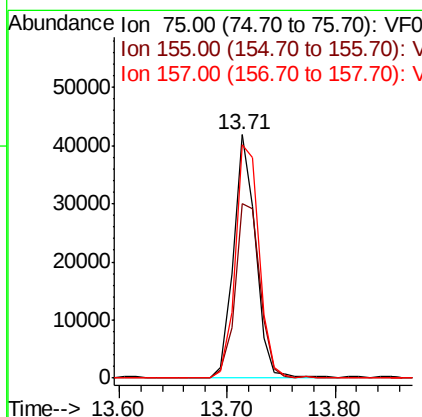
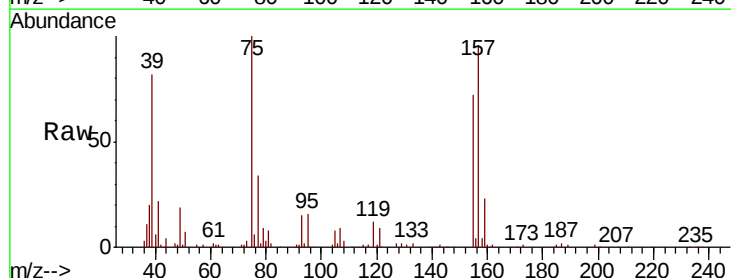
Instrument :
 MSVOA_F
 ClientSampled :

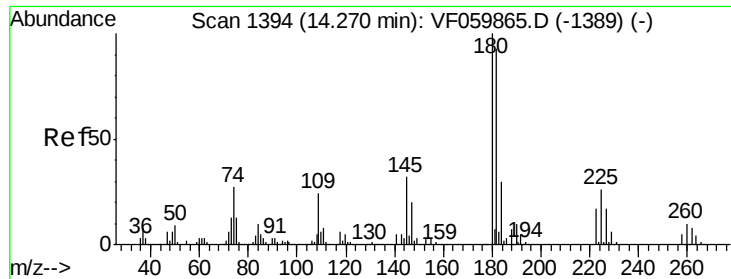
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	24.1	72.2
148	67.5	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.718 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	41.2	123.6
157	96.1	54.5	163.6

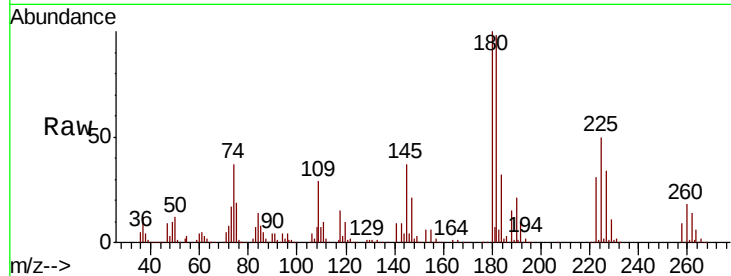




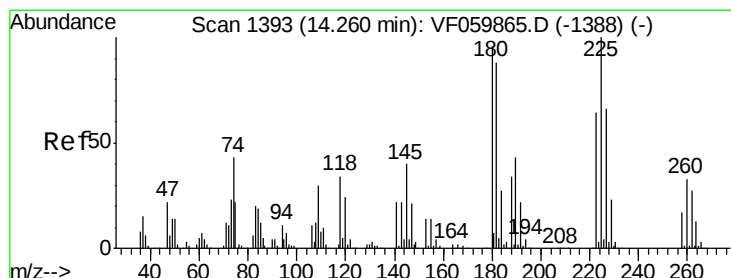
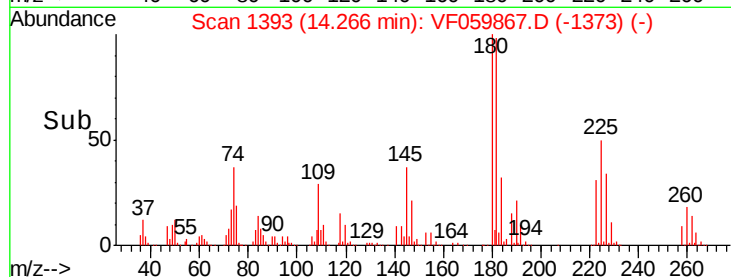
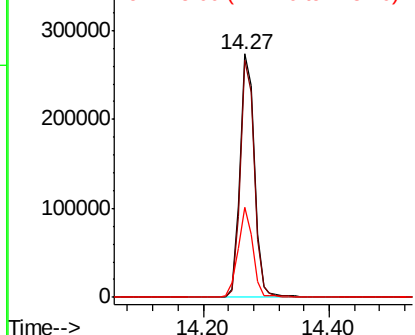
#93
 1,2,4-Trichlorobenzene
 Concen: 91.939 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.4	139.2
145	36.8	15.9	47.7

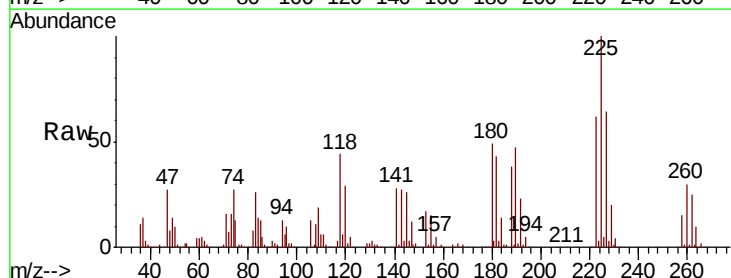


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

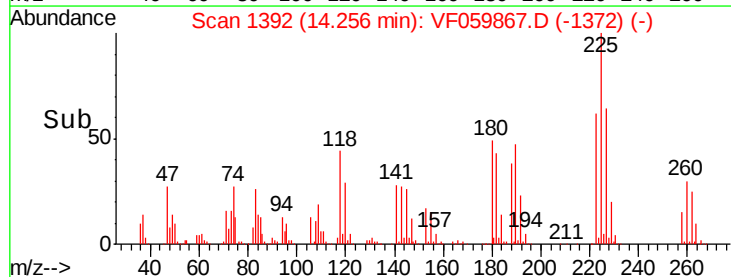
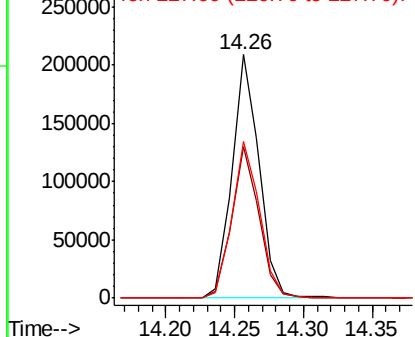


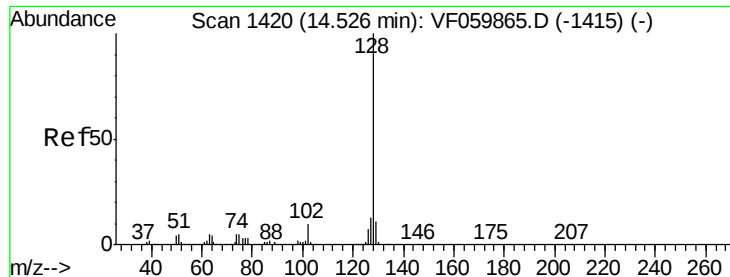
#94
 Hexachlorobutadiene
 Concen: 91.075 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.9
227	64.2	32.8	98.4



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

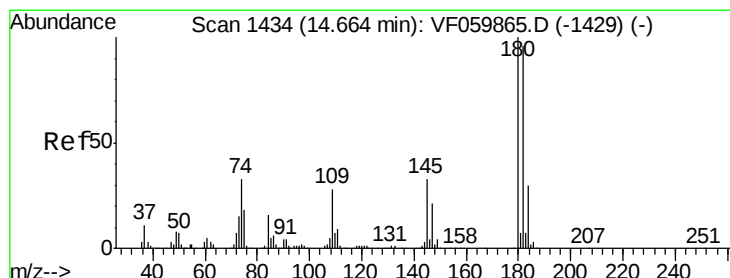
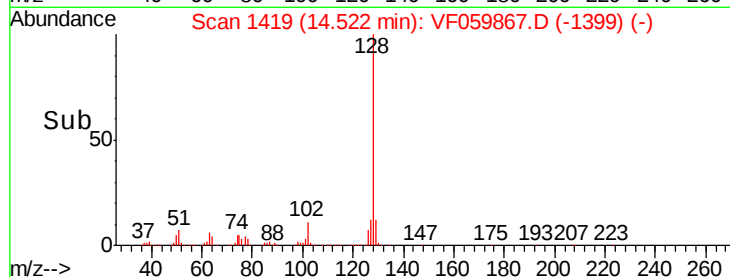
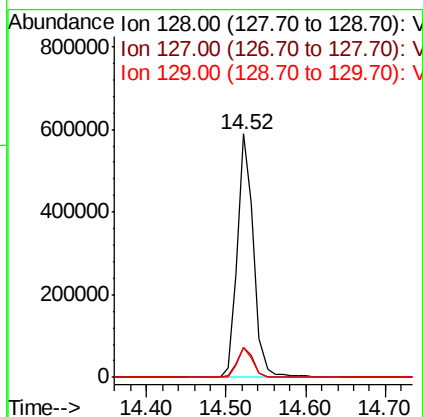
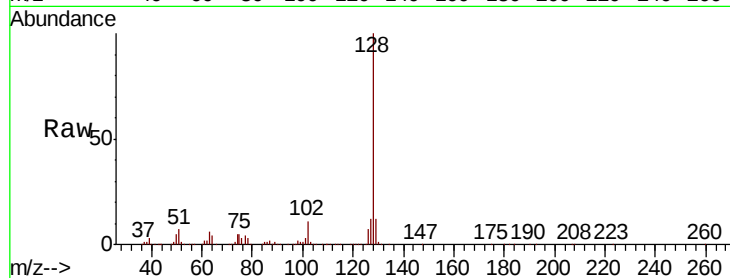




#95
Naphthalene
Concen: 103.032 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 842216
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 12.1 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 96.673 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion:180 Resp: 438720
Ion Ratio Lower Upper
180 100
182 98.2 48.1 144.3
145 33.6 16.6 49.8

