

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059691.D
 Acq On : 30 Jul 2018 16:25
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:52:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	200253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	277972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	283847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	356498	113.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.68%	
35) Dibromofluoromethane	4.29	113	273213	102.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.40%	
50) Toluene-d8	7.71	98	643936	100.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.22%	
62) 4-Bromofluorobenzene	11.50	95	339751	97.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	212611	102.817	ug/l	96
3) Chloromethane	1.08	50	112676	96.385	ug/l	93
4) Vinyl Chloride	1.15	62	123672	99.934	ug/l	97
5) Bromomethane	1.34	94	100017	92.847	ug/l	95
6) Chloroethane	1.42	64	75921	98.332	ug/l	90
7) Trichlorofluoromethane	1.53	101	206703	55.545	ug/l	93
8) Diethyl Ether	1.70	74	57052	108.220	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.89	101	177181	89.555	ug/l	93
10) Methyl Iodide	1.96	142	202348	69.879	ug/l	99
11) Tert butyl alcohol	2.68	59	71698	531.004	ug/l	97
12) 1,1-Dichloroethene	1.85	96	145805	99.610	ug/l	94
13) Acrolein	2.08	56	41265	690.506	ug/l	93
14) Allyl chloride	2.18	41	230364	96.213	ug/l	90
15) Acrylonitrile	3.07	53	111487	541.682	ug/l	94
16) Acetone	2.34	43	307909	537.280	ug/l	100
17) Carbon Disulfide	1.88	76	201840	56.726	ug/l	99
18) Methyl Acetate	2.45	43	99065	103.265	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	432452	105.721	ug/l	99
20) Methylene Chloride	2.32	84	68233	32.330	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	131001	87.258	ug/l	95
22) Diisopropyl ether	2.92	45	485085	101.355	ug/l	94
23) Vinyl Acetate	3.33	43	1265899	533.541	ug/l	100
24) 1,1-Dichloroethane	3.00	63	328374	96.432	ug/l	98
25) 2-Butanone	4.51	43	310482	491.712	ug/l #	78
26) 2,2-Dichloropropane	3.76	77	234751	84.748	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	175996	99.945	ug/l	95
28) Bromochloromethane	3.87	49	125119	99.737	ug/l	94
29) Tetrahydrofuran	4.25	42	127178	501.809	ug/l	98
30) Chloroform	4.03	83	450099	93.570	ug/l	96
31) Cyclohexane	3.85	56	127393	65.109	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	349254	88.512	ug/l	98
36) 1,1-Dichloropropene	4.46	75	275431	91.353	ug/l	98
37) Ethyl Acetate	4.29	43	131364	99.878	ug/l #	82
38) Carbon Tetrachloride	4.16	117	434389	98.197	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	211659	86.257	ug/l	98
40) Benzene	4.80	78	496770	92.765	ug/l	100
41) Methacrylonitrile	4.92	41	63202	97.585	ug/l	98
42) 1,2-Dichloroethane	5.11	62	351491	100.870	ug/l	97
43) Isopropyl Acetate	7.11	43	156889	115.205	ug/l #	94
44) Trichloroethene	5.67	130	181630	87.572	ug/l	88
45) 1,2-Dichloropropane	6.40	63	135710	95.359	ug/l	94
46) Dibromomethane	6.25	93	126508	102.368	ug/l	93
47) Bromodichloromethane	6.55	83	352225	97.278	ug/l	99
48) Methyl methacrylate	6.87	41	120478	112.721	ug/l	94
49) 1,4-Dioxane	6.86	88	18169	2130.162	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	576918	526.430	ug/l	100
52) Toluene	7.78	92	351130	88.273	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	289984	100.127	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	292905	97.469	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	137705	104.232	ug/l	94
56) Ethyl methacrylate	8.75	69	161356	115.206	ug/l	95
57) 1,3-Dichloropropane	9.00	76	237624	104.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	79561	470.478	ug/l	100
59) 2-Hexanone	9.62	43	454232	558.765	ug/l	94
60) Dibromochloromethane	8.86	129	249683	104.759	ug/l	98
61) 1,2-Dibromoethane	9.13	107	169579	106.144	ug/l	98
64) Tetrachloroethene	8.30	164	183193	80.997	ug/l	96
65) Chlorobenzene	9.94	112	486884	88.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	230981	91.000	ug/l	99
67) Ethyl Benzene	10.04	91	847941	84.788	ug/l	100
68) m/p-Xylenes	10.26	106	588290	169.979	ug/l	98
69) o-Xylene	10.82	106	327873	87.723	ug/l	96
70) Styrene	10.90	104	476992	87.754	ug/l	99
71) Bromoform	10.88	173	159659	102.007	ug/l	93
73) Isopropylbenzene	11.23	105	1036930	85.952	ug/l	98
74) N-amyl acetate	11.46	43	276623	111.879	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	201123	101.522	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	164923	101.364	ug/l	93
77) Bromobenzene	11.59	156	270310	92.311	ug/l	89
78) n-propylbenzene	11.68	91	1156815	83.230	ug/l	100
79) 2-Chlorotoluene	11.81	91	735597	86.964	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	903065	85.282	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	96021	113.659	ug/l	98
82) 4-Chlorotoluene	11.99	91	773104	86.742	ug/l	98
83) tert-Butylbenzene	12.21	119	927111	86.636	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	908911	83.539	ug/l	97
85) sec-Butylbenzene	12.38	105	1164436	82.706	ug/l	97
86) p-Isopropyltoluene	12.54	119	1016627	83.972	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	477640	83.647	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	490543	90.173	ug/l	97
89) n-Butylbenzene	12.91	91	974306	83.216	ug/l	98
90) Hexachloroethane	12.99	117	268824	87.229	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	462462	87.112	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	52859	109.703	ug/l	84

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 03:48:33 2018
Response via : Initial Calibration

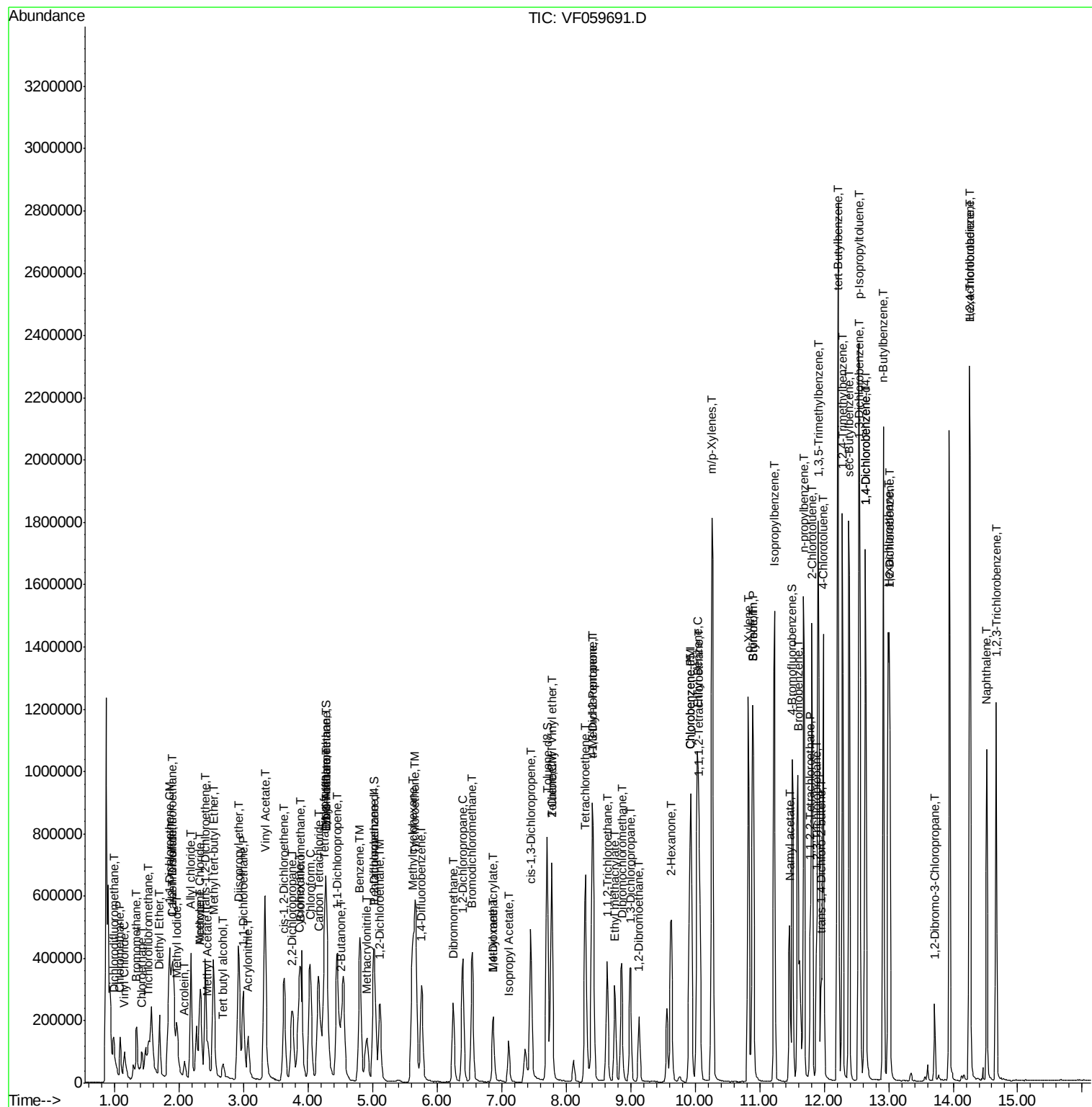
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	370579	87.101	ug/l	95
94) Hexachlorobutadiene	14.25	225	262137	83.748	ug/l	97
95) Naphthalene	14.52	128	732824	108.097	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	365761	94.575	ug/l	96

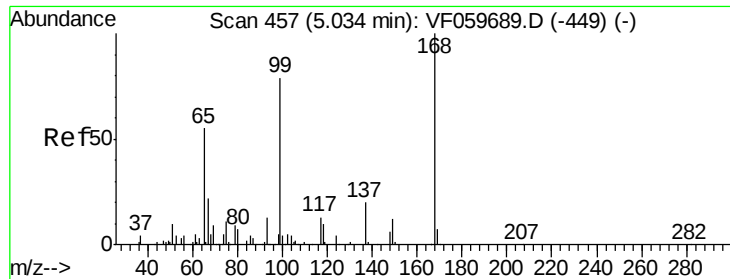
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 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampled :

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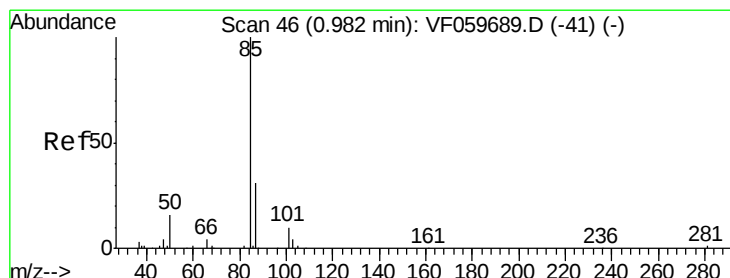
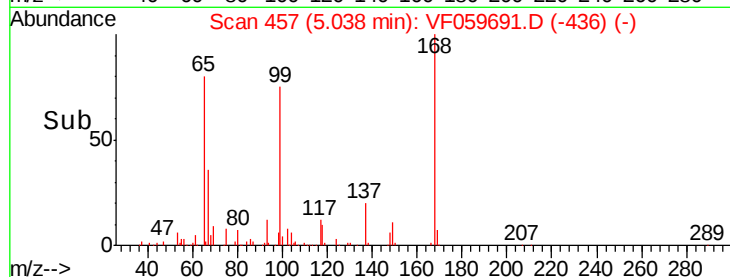
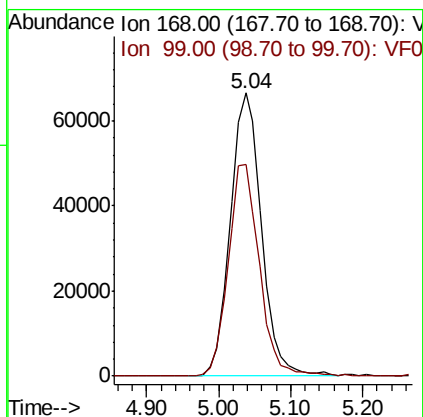
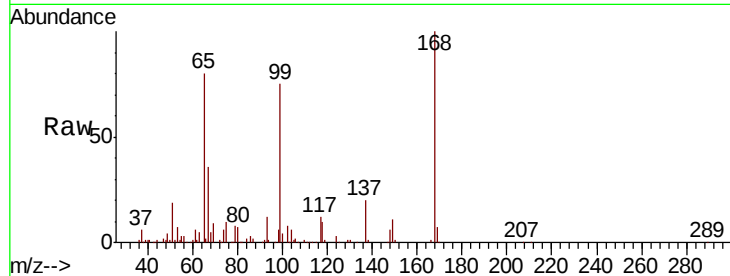


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :

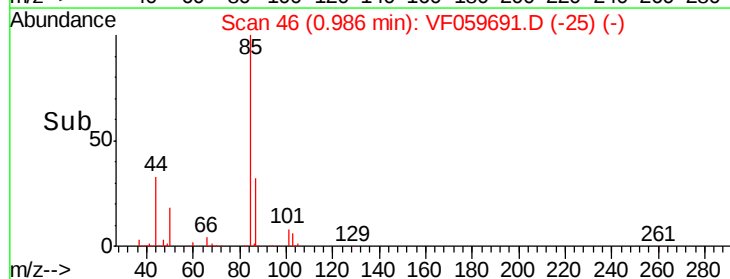
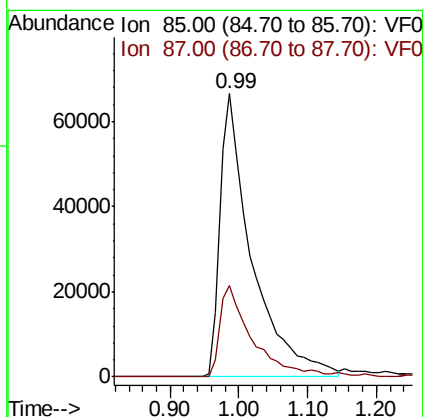
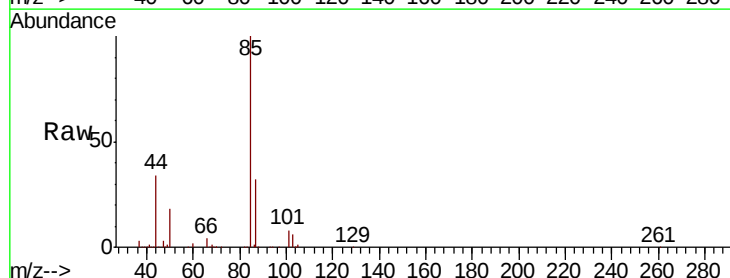
Tot Ion:168 Resp: 200253
 Ion Ratio Lower Upper
 168 100
 99 74.7 63.3 94.9

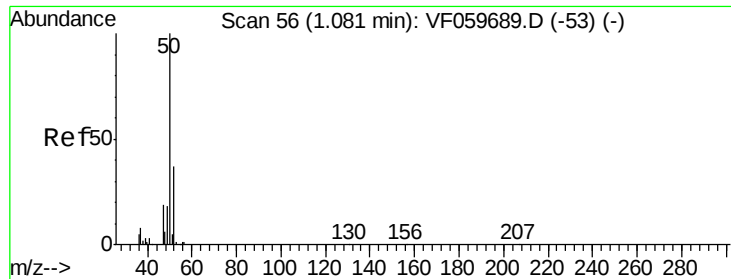


#2

Dichlorodifluoromethane
 Concen: 102.817 ug/l
 RT: 0.99 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 85 Resp: 212611
 Ion Ratio Lower Upper
 85 100
 87 32.5 15.3 45.8





#3

Chloromethane

Concen: 96.385 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

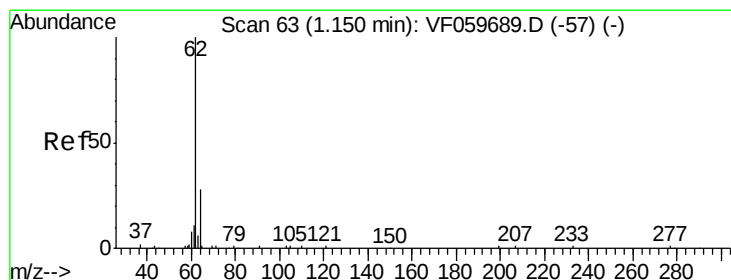
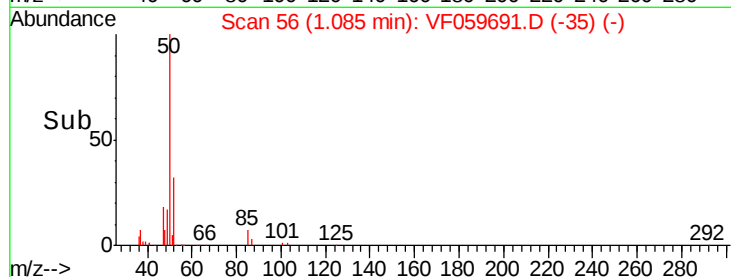
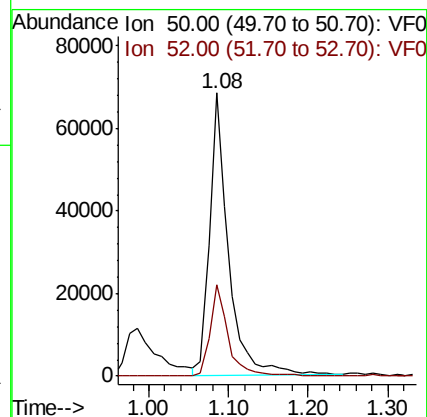
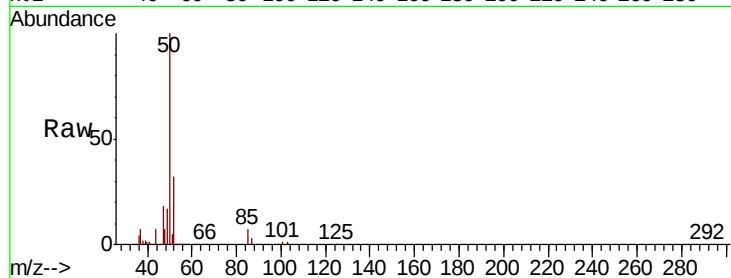
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 112676

Ion Ratio Lower Upper

50 100

52 32.4 29.1 43.7



#4

Vinyl Chloride

Concen: 99.934 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059691.D

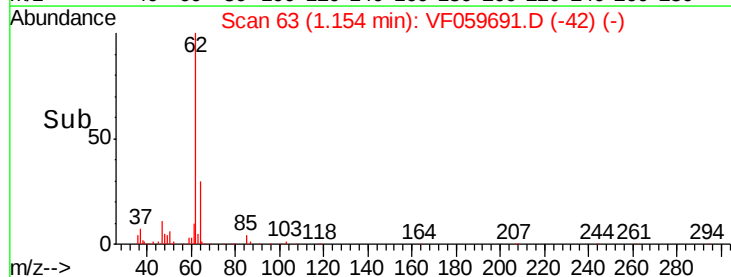
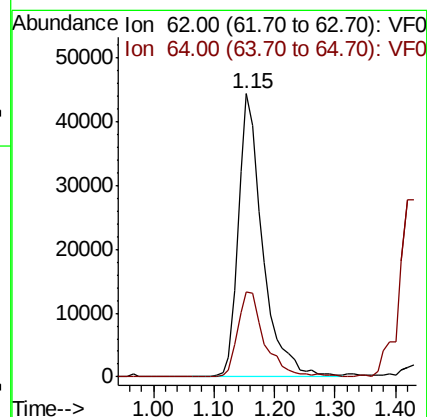
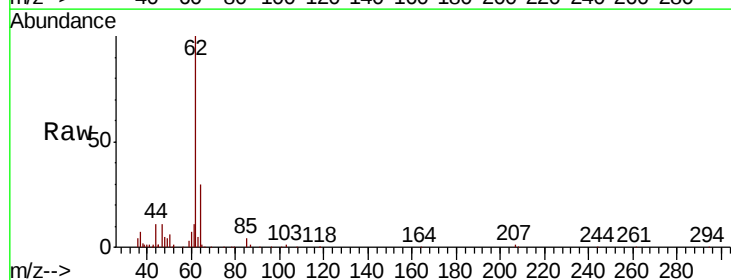
Acq: 30 Jul 2018 16:25

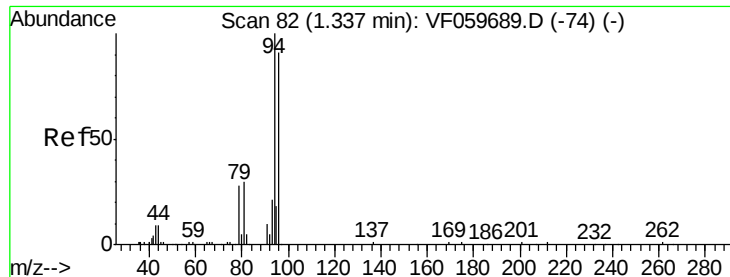
Tgt Ion: 62 Resp: 123672

Ion Ratio Lower Upper

62 100

64 30.0 22.6 33.8





#5

Bromomethane

Concen: 92.847 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

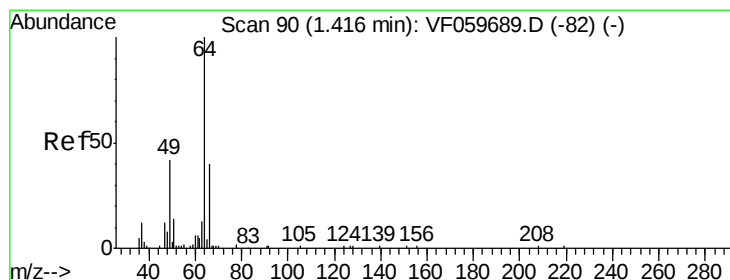
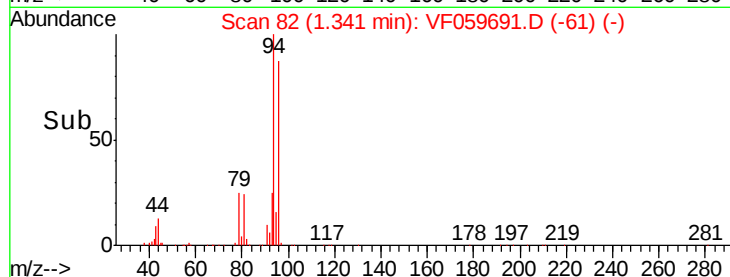
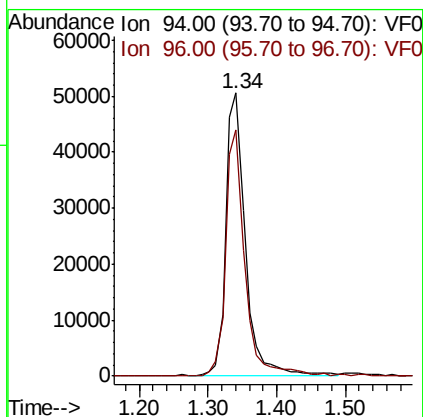
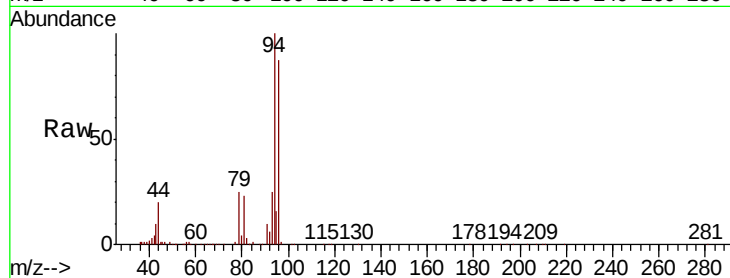
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 100017

Ion Ratio Lower Upper

94 100

96 87.1 73.6 110.4



#6

Chloroethane

Concen: 98.332 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059691.D

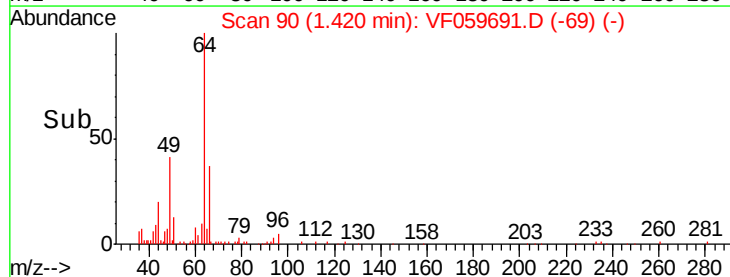
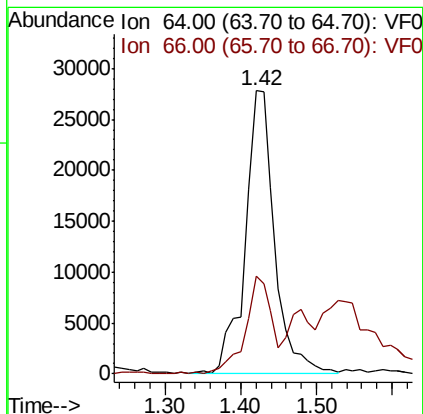
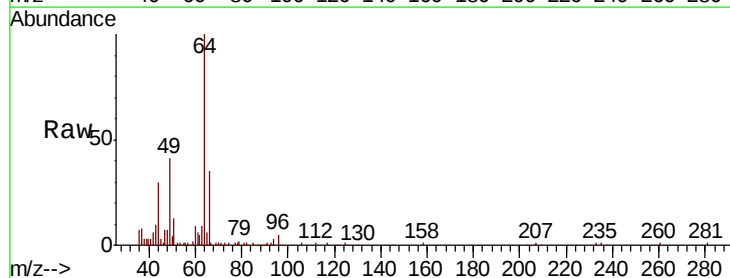
Acq: 30 Jul 2018 16:25

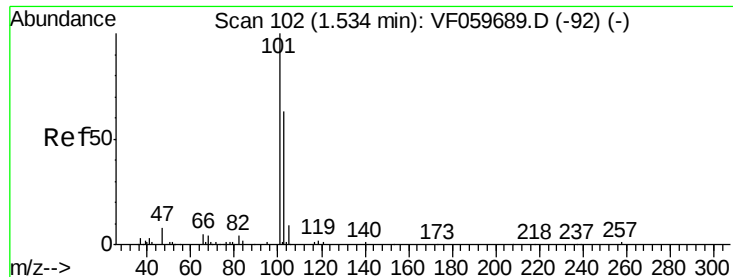
Tgt Ion: 64 Resp: 75921

Ion Ratio Lower Upper

64 100

66 34.6 32.6 49.0



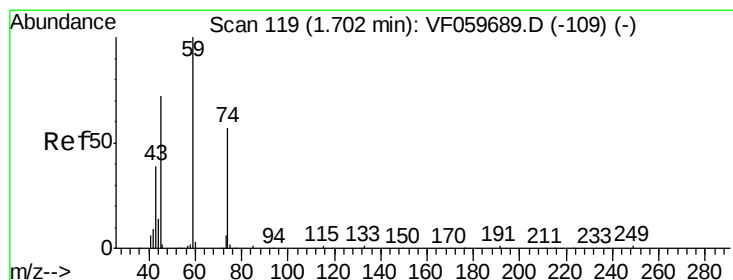
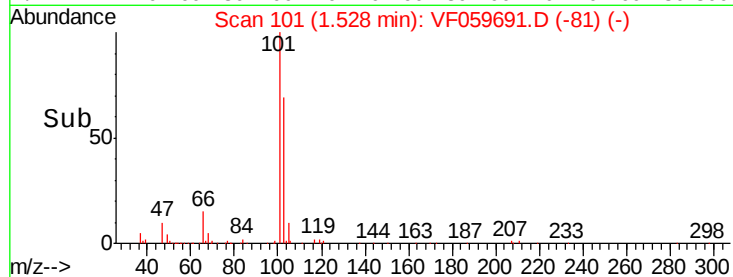
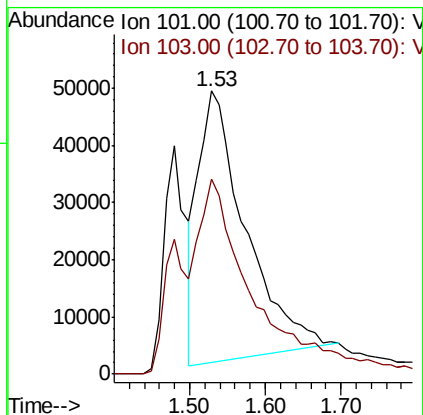
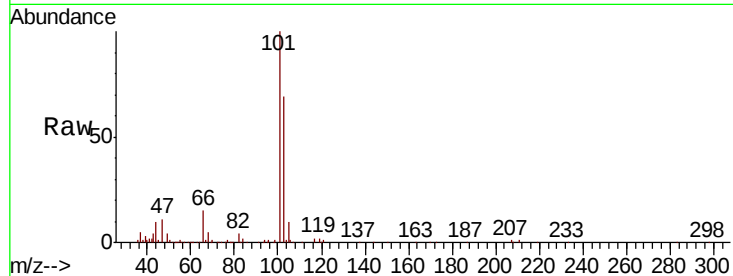


#7

Trichlorofluoromethane
 Concen: 55.545 ug/l
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :

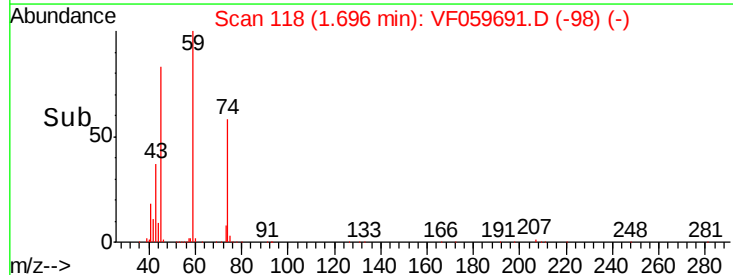
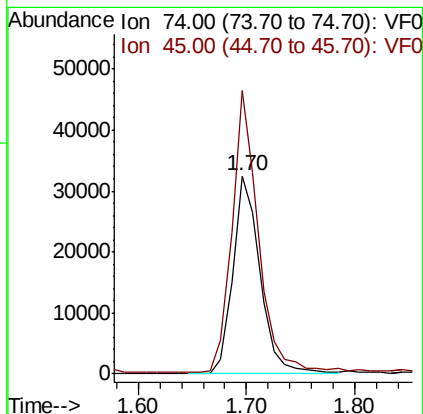
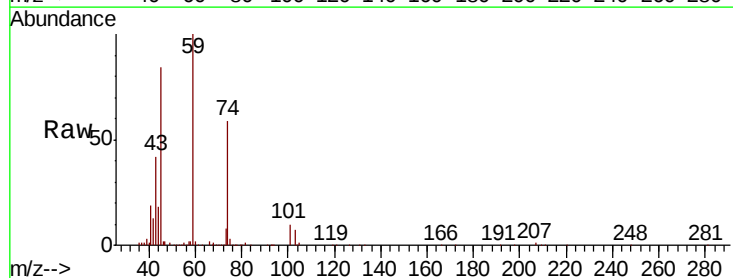
Tot Ion:101 Resp: 206703
 Ion Ratio Lower Upper
 101 100
 103 68.9 50.8 76.2

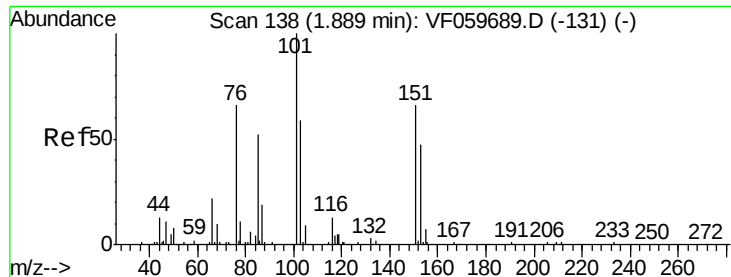


#8

Diethyl Ether
 Concen: 108.220 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 74 Resp: 57052
 Ion Ratio Lower Upper
 74 100
 45 142.9 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.555 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

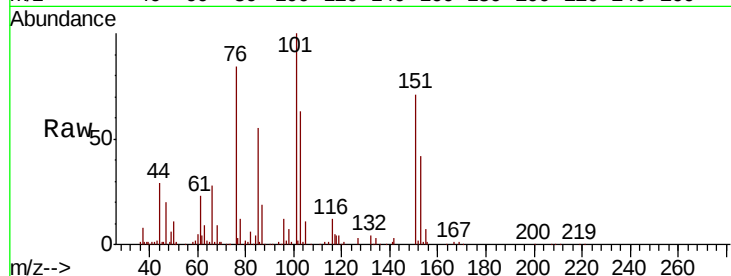
Tot Ion:101 Resp: 177181

Ion Ratio Lower Upper

101 100

85 54.5 40.7 61.1

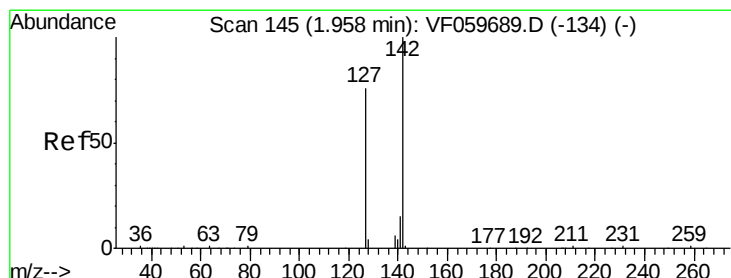
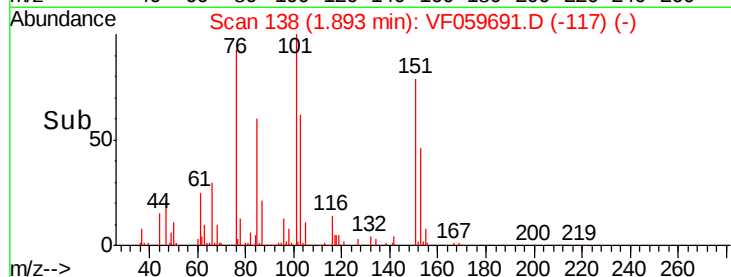
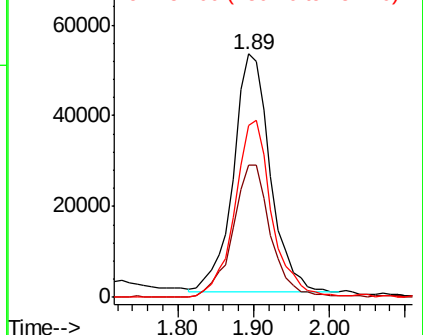
151 70.6 51.4 77.2



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: 69.879 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

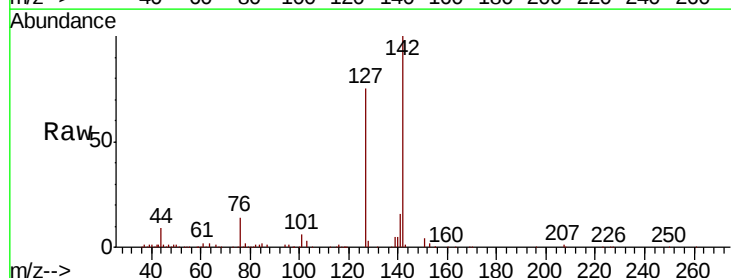
Tgt Ion:142 Resp: 202348

Ion Ratio Lower Upper

142 100

127 74.9 60.6 91.0

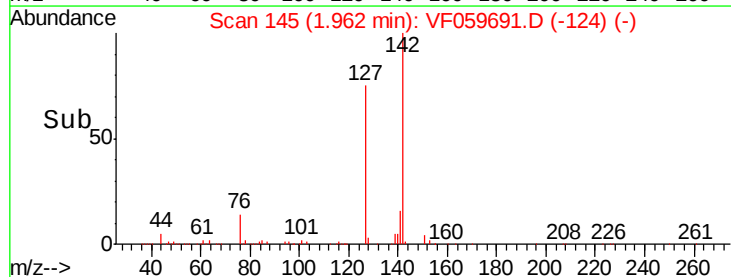
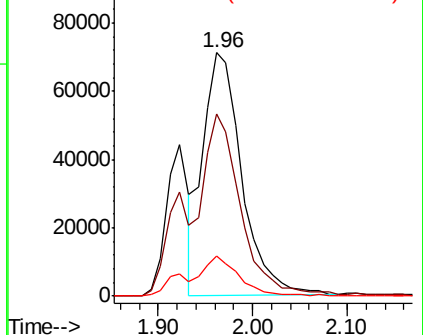
141 16.3 12.0 18.0

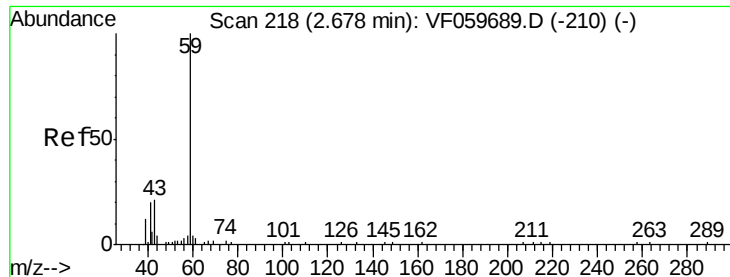


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



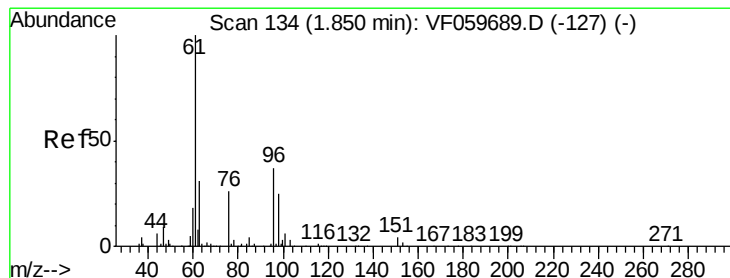
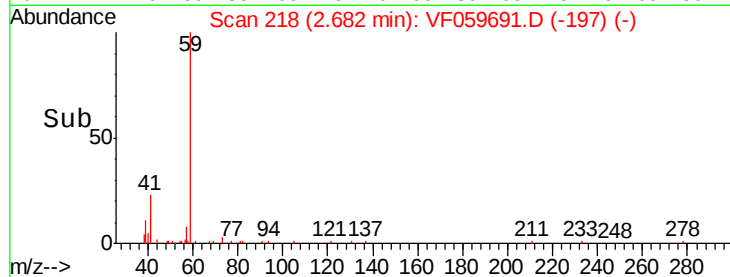
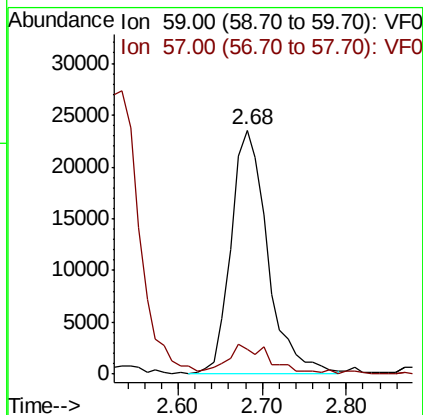
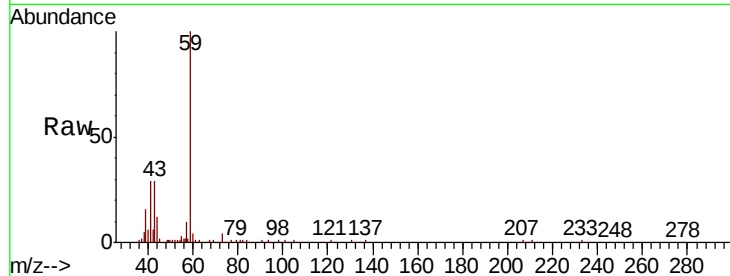


#11

Tert butyl alcohol
 Concen: 531.004 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :

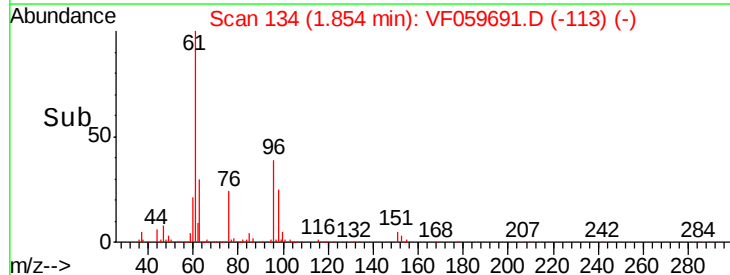
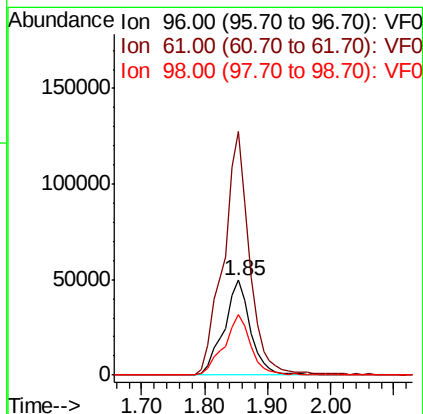
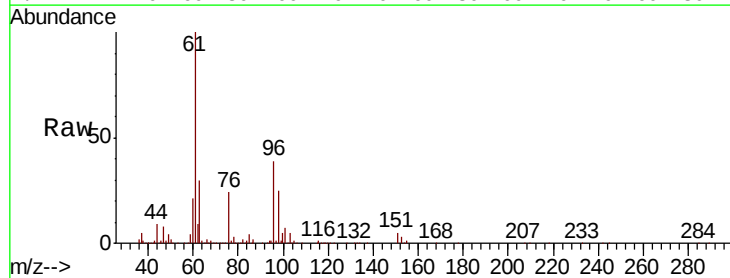
Tot Ion: 59 Resp: 71698
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.6 11.4

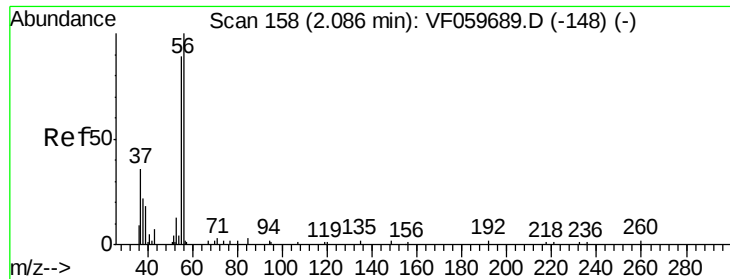


#12

1,1-Dichloroethene
 Concen: 99.610 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 96 Resp: 145805
 Ion Ratio Lower Upper
 96 100
 61 256.4 215.1 322.7
 98 64.1 54.3 81.5





#13

Acrolein

Concen: 690.506 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

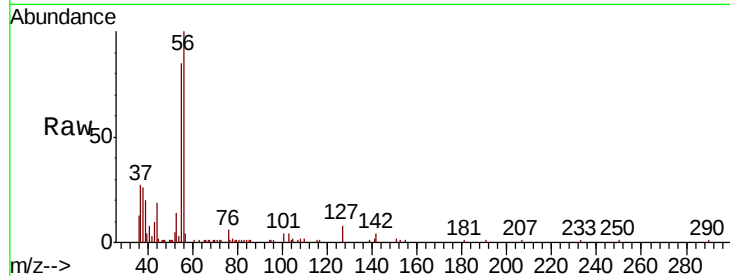
ClientSampleId :

Tot Ion: 56 Resp: 41265

Ion Ratio Lower Upper

56 100

55 84.9 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

20000

15000

10000

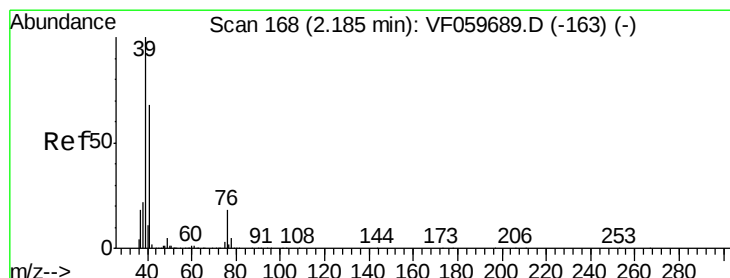
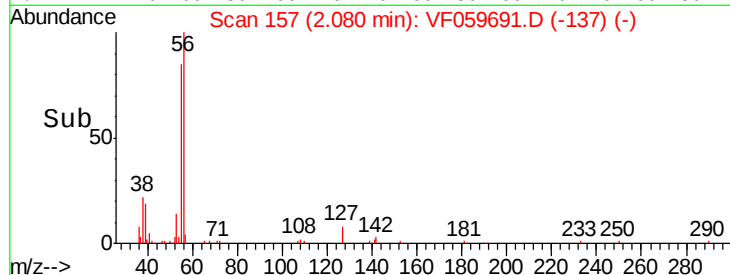
5000

0

Time-->

2.00 2.10 2.20 2.30

2.08



#14

Allyl chloride

Concen: 96.213 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

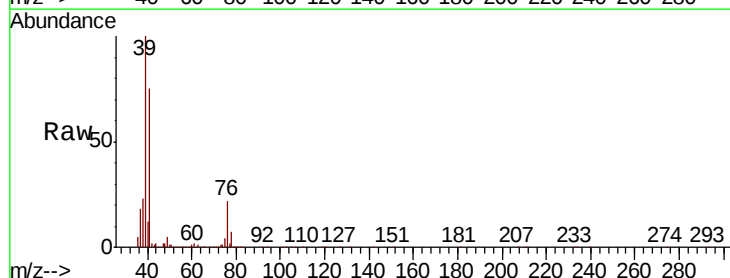
Tgt Ion: 41 Resp: 230364

Ion Ratio Lower Upper

41 100

39 132.7 118.1 177.1

76 29.0 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

150000

100000

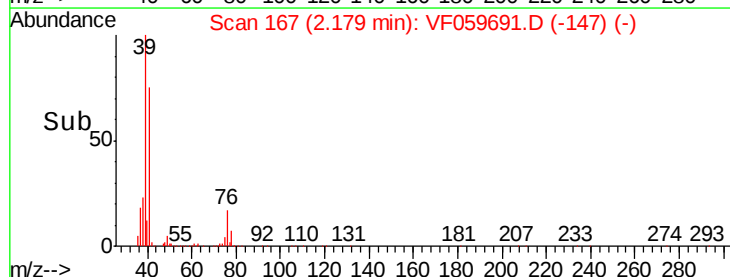
50000

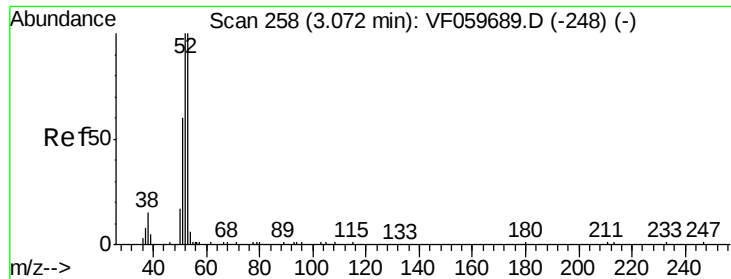
0

Time-->

2.10 2.20 2.30

2.18

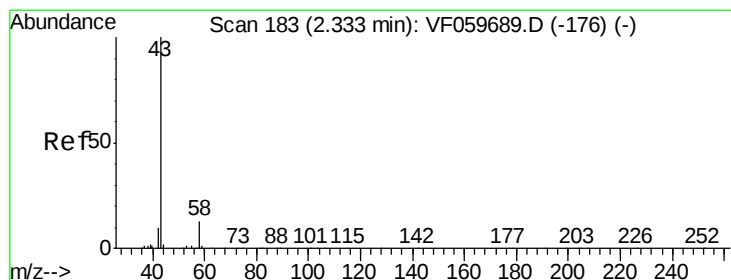
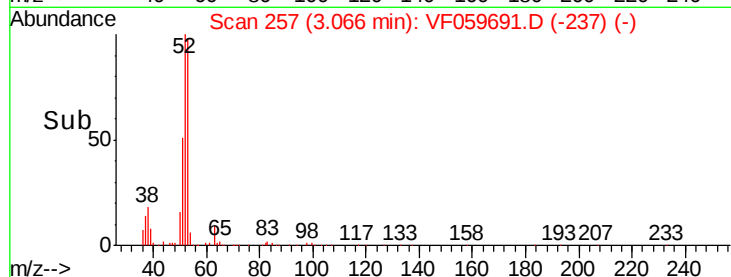
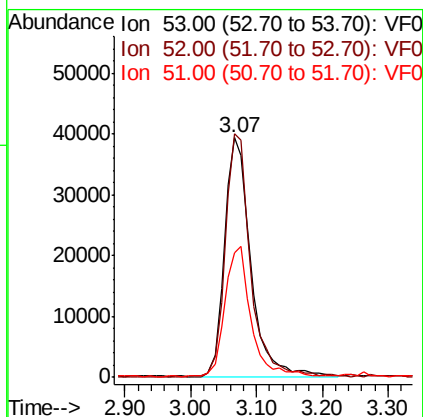
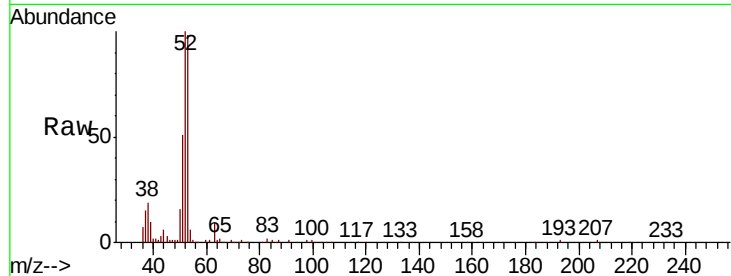




#15
 Acrylonitrile
 Concen: 541.682 ug/l
 RT: 3.07 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

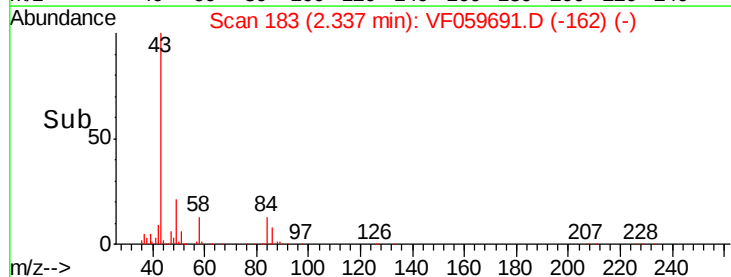
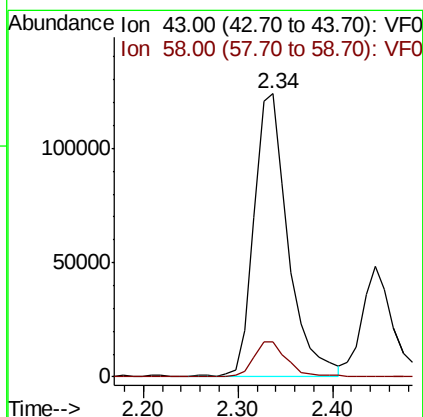
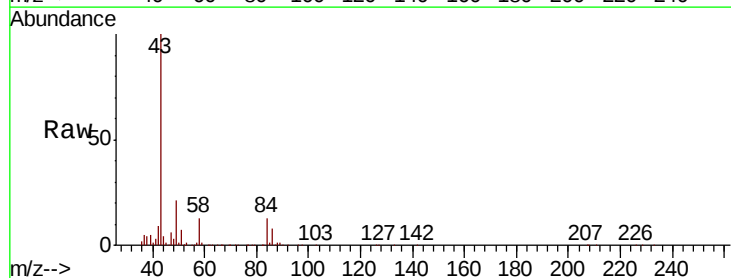
Instrument :
 MSVOA_F
 ClientSampleId :

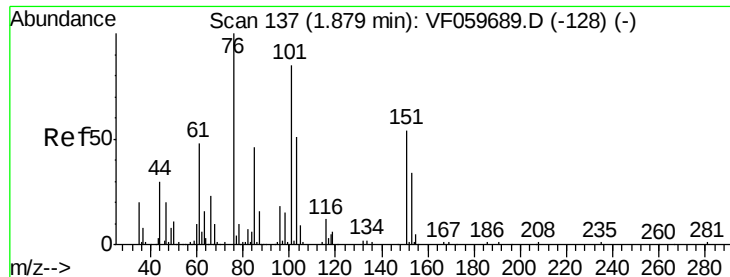
Tot Ion: 53 Resp: 111487
 Ion Ratio Lower Upper
 53 100
 52 101.7 80.3 120.5
 51 51.9 49.4 74.0



#16
 Acetone
 Concen: 537.280 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 43 Resp: 307909
 Ion Ratio Lower Upper
 43 100
 58 12.6 10.1 15.1





#17

Carbon Disulfide

Concen: 56.726 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

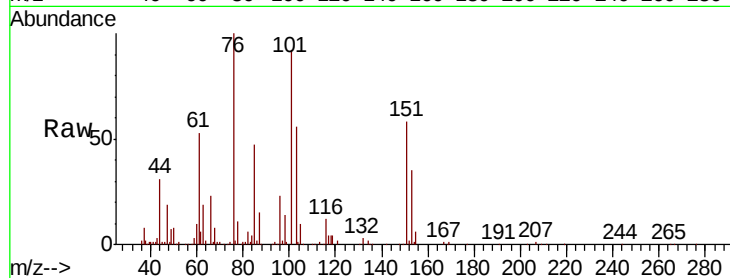
ClientSampleId :

Tot Ion: 76 Resp: 201840

Ion Ratio Lower Upper

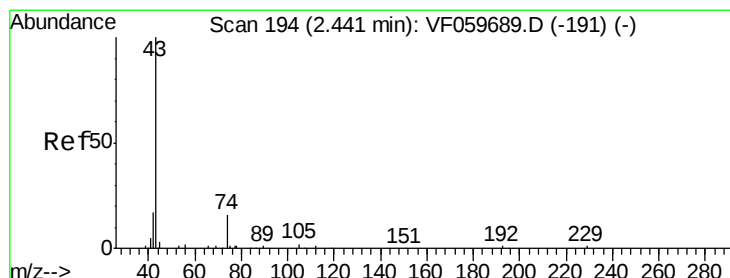
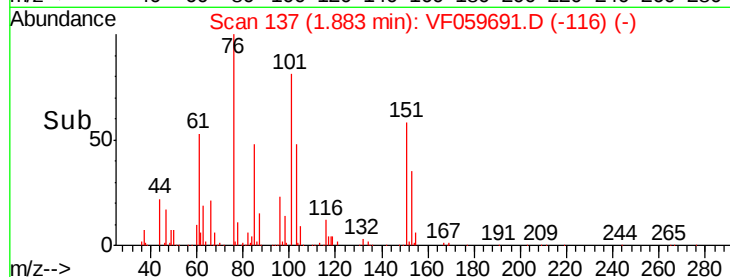
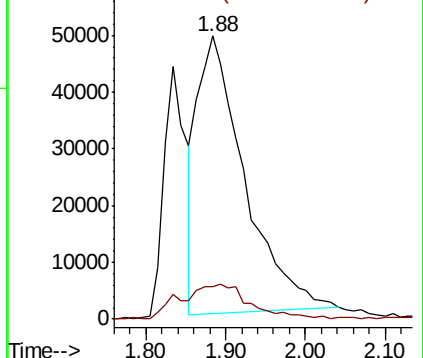
76 100

78 11.4 8.9 13.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 103.265 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059691.D

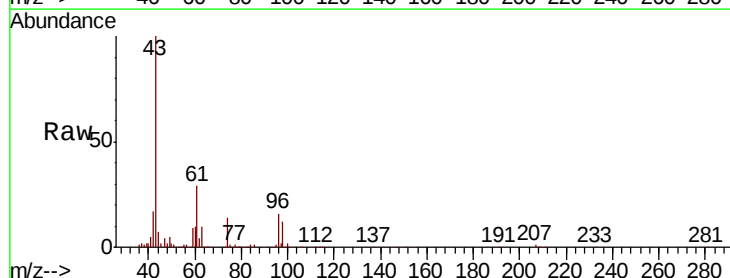
Acq: 30 Jul 2018 16:25

Tgt Ion: 43 Resp: 99065

Ion Ratio Lower Upper

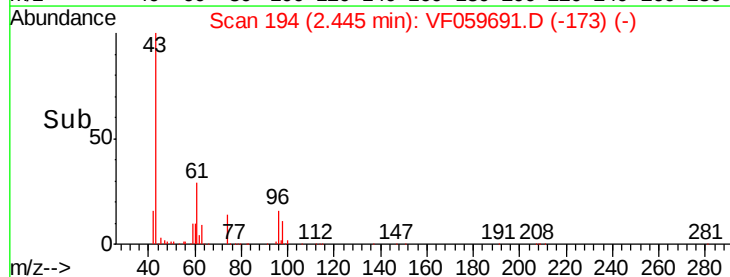
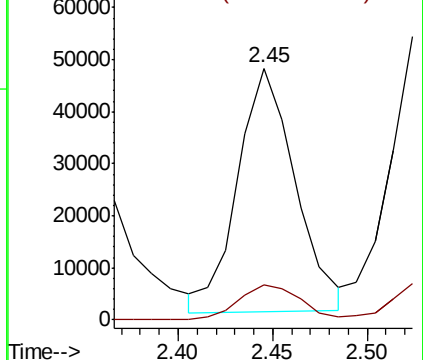
43 100

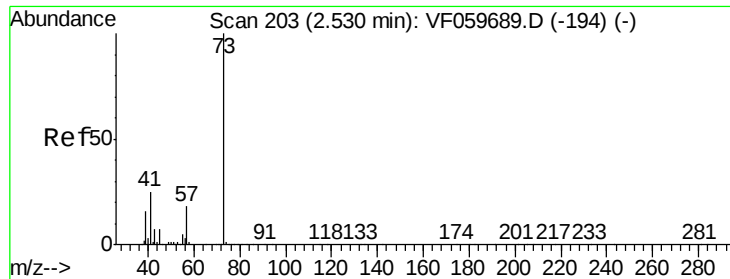
74 14.1 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



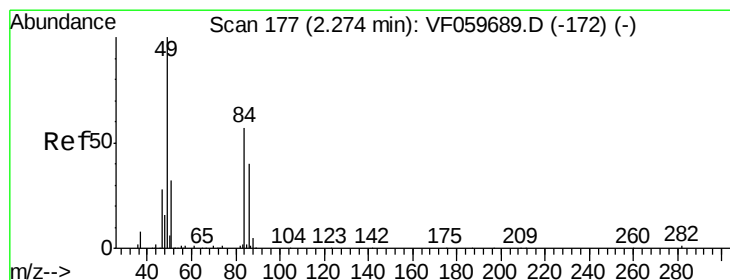
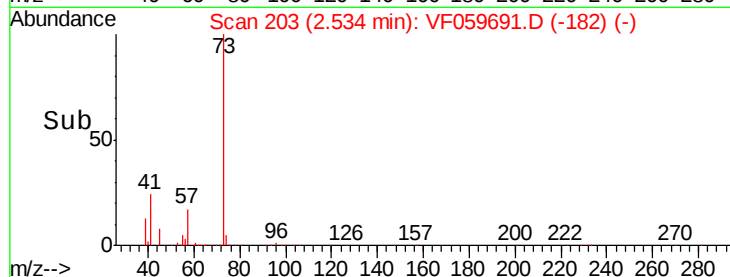
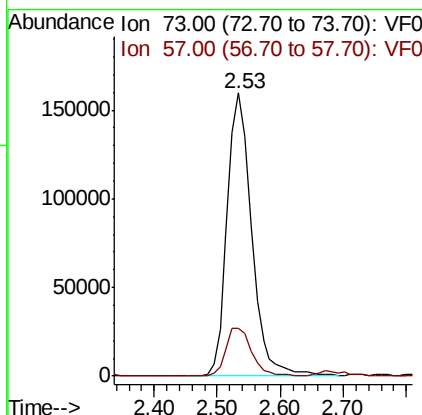
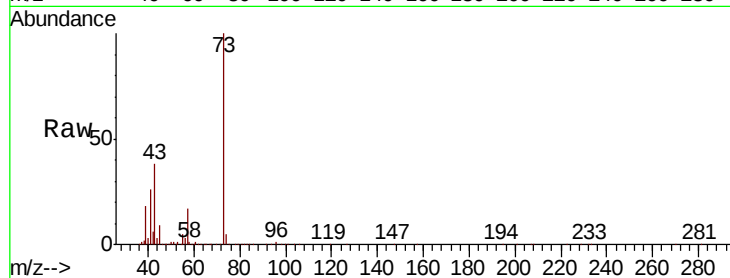


#19

Methyl tert-butyl Ether
 Concen: 105.721 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :

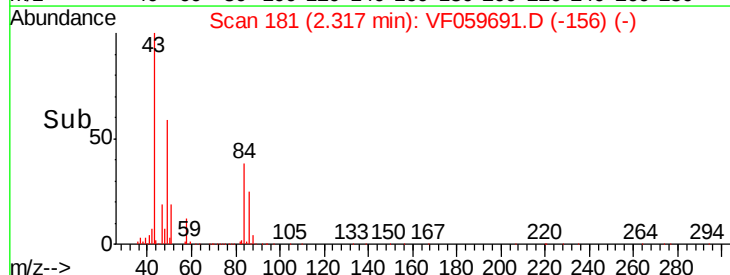
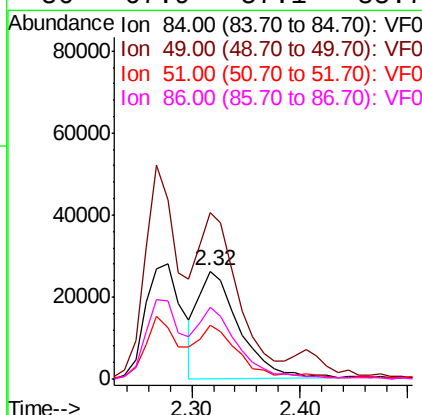
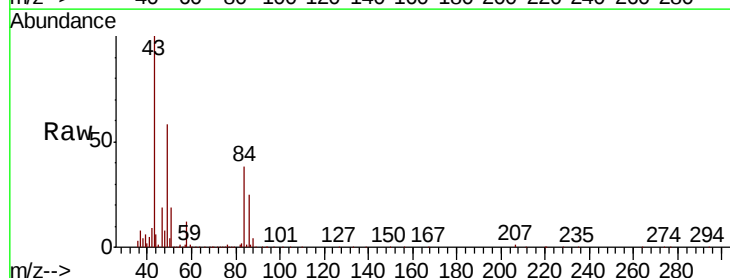
Tot Ion: 73 Resp: 432452
 Ion Ratio Lower Upper
 73 100
 57 17.1 14.2 21.2

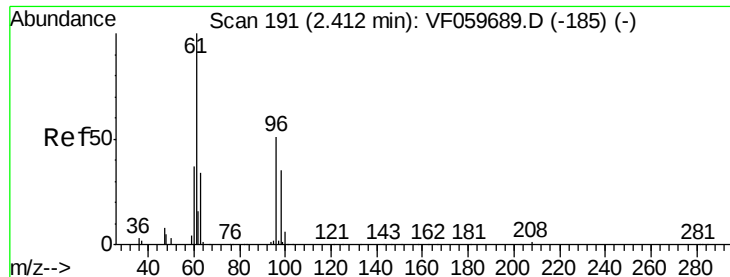


#20

Methylene Chloride
 Concen: 32.330 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. 0.04 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 84 Resp: 68233
 Ion Ratio Lower Upper
 84 100
 49 154.8 142.2 213.4
 51 50.4 46.2 69.2
 86 67.9 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 87.258 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

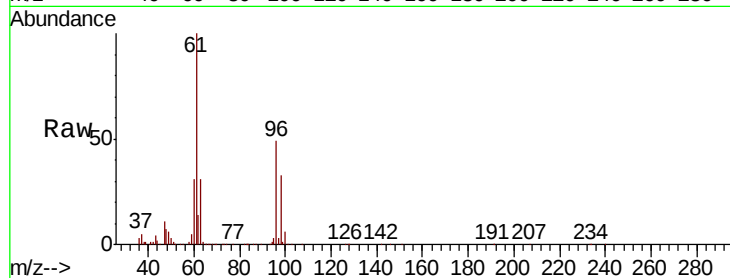
Tot Ion: 96 Resp: 131001

Ion Ratio Lower Upper

96 100

61 206.0 157.4 236.0

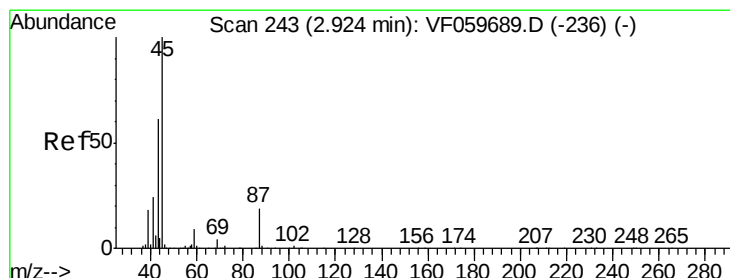
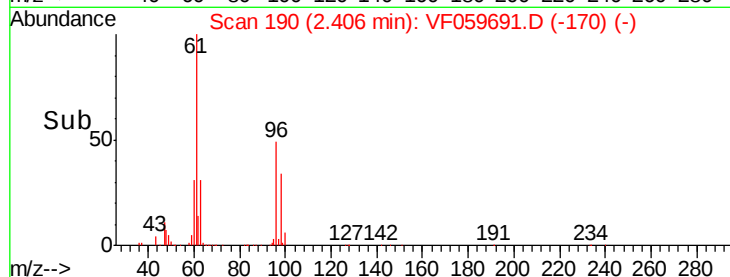
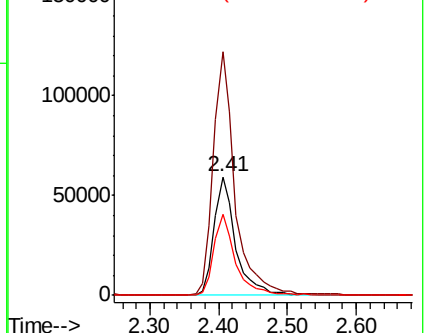
98 68.9 55.0 82.4



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: 101.355 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion: 45 Resp: 485085

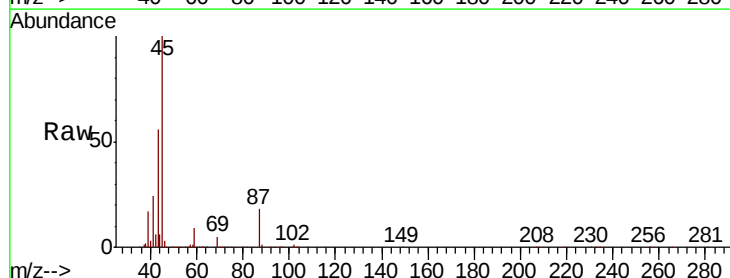
Ion Ratio Lower Upper

45 100

43 55.7 49.3 73.9

87 18.1 15.3 22.9

59 9.4 7.1 10.7

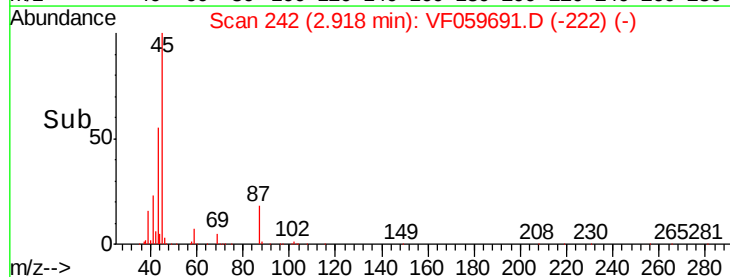
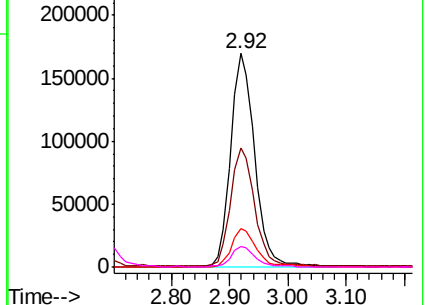


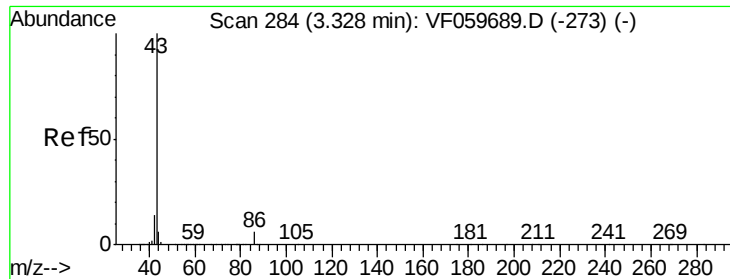
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 533.541 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

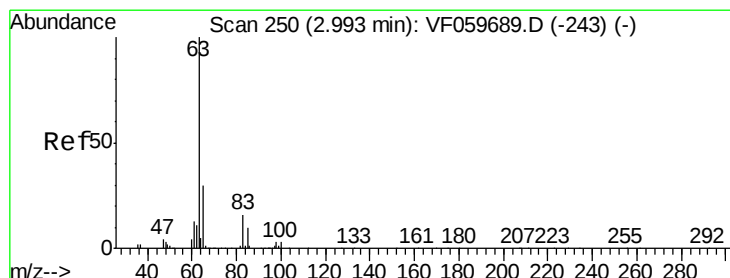
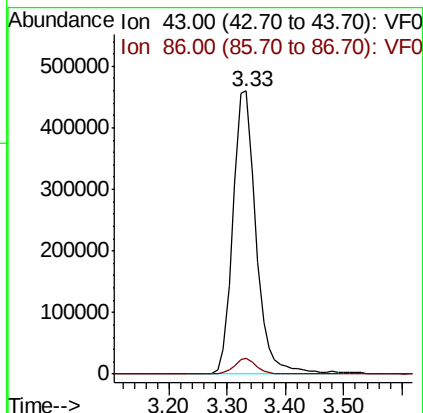
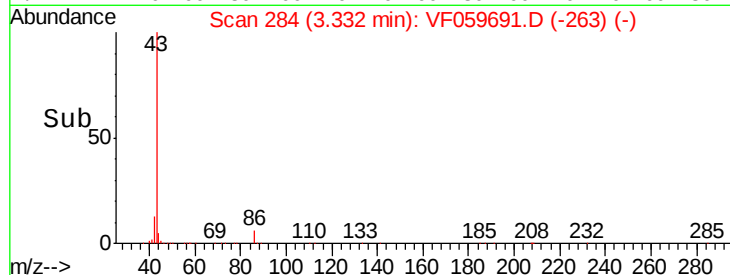
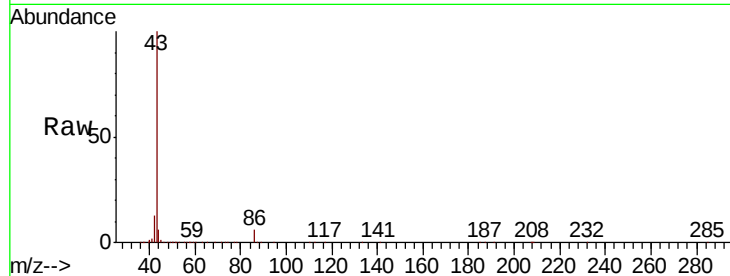
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1265899

Ion Ratio Lower Upper

43 100

86 5.7 4.6 6.8



#24

1,1-Dichloroethane

Concen: 96.432 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

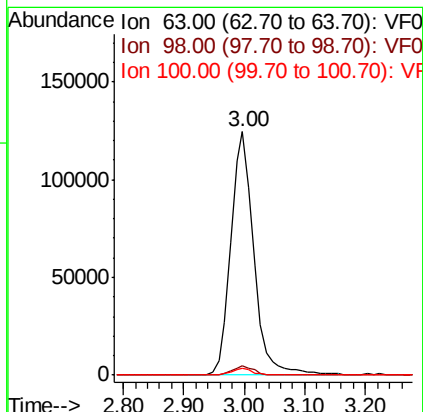
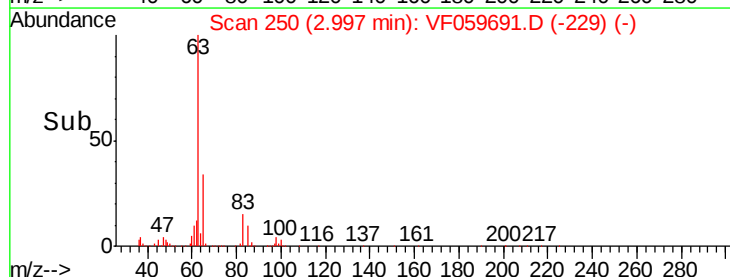
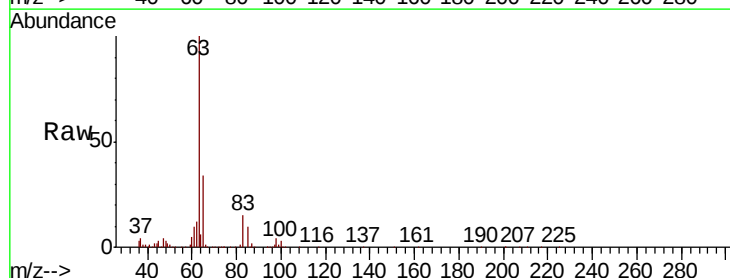
Tgt Ion: 63 Resp: 328374

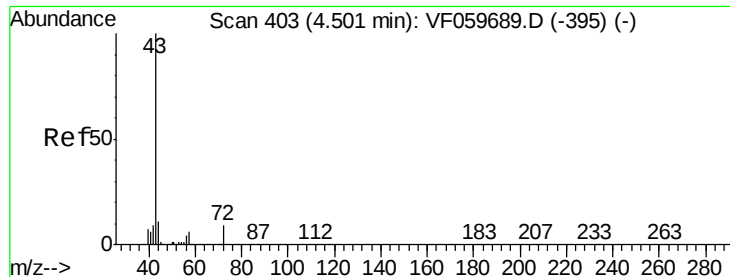
Ion Ratio Lower Upper

63 100

98 3.6 1.4 4.2

100 2.6 1.6 4.7





#25

2-Butanone

Concen: 491.712 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

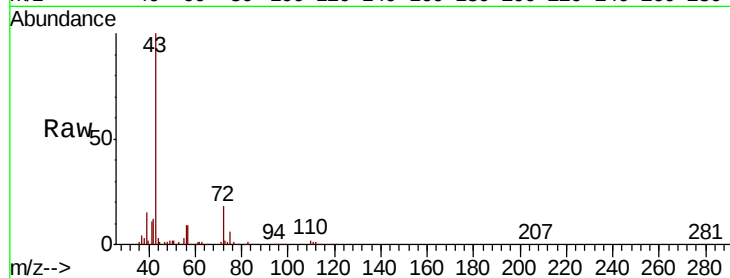
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 310482

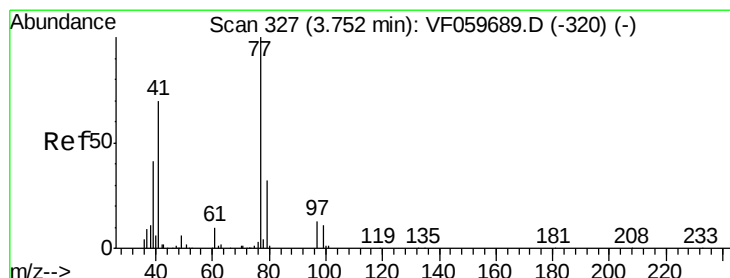
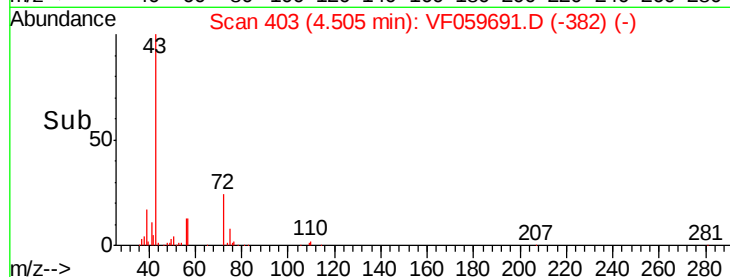
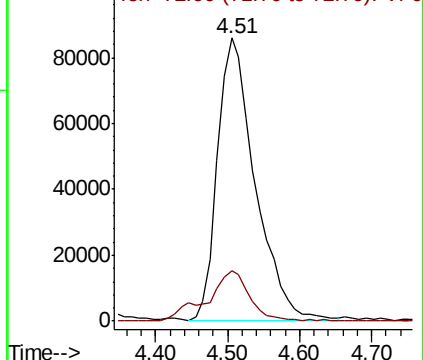
Ion Ratio Lower Upper

43 100

72 17.8 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 84.748 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059691.D

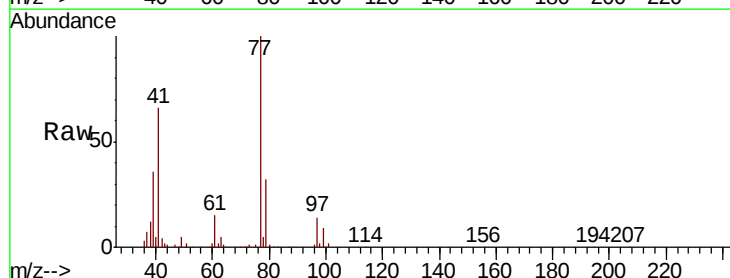
Acq: 30 Jul 2018 16:25

Tgt Ion: 77 Resp: 234751

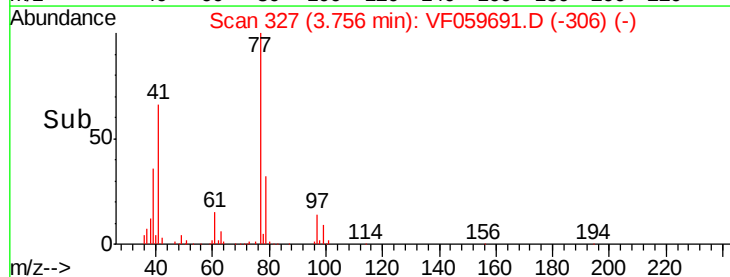
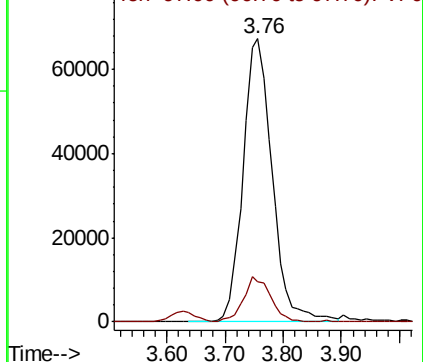
Ion Ratio Lower Upper

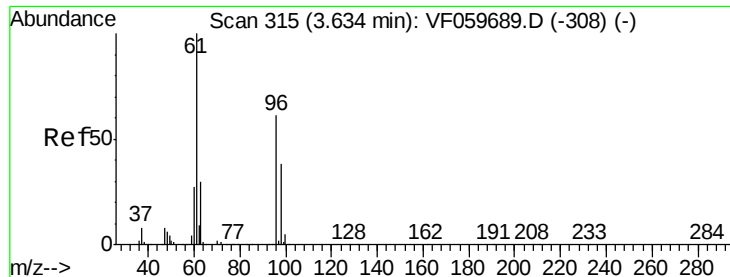
77 100

97 14.2 6.8 20.4



Abundance Ion 77.00 (76.70 to 77.70): VF0
Ion 97.00 (96.70 to 97.70): VF0



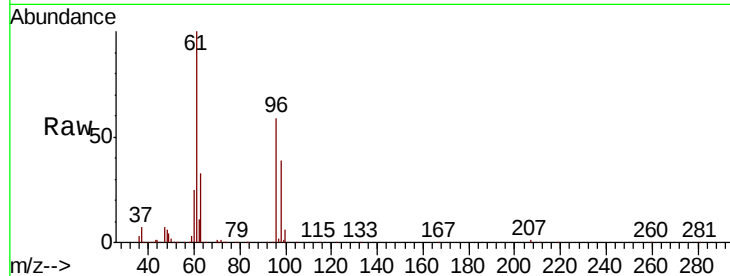


#27

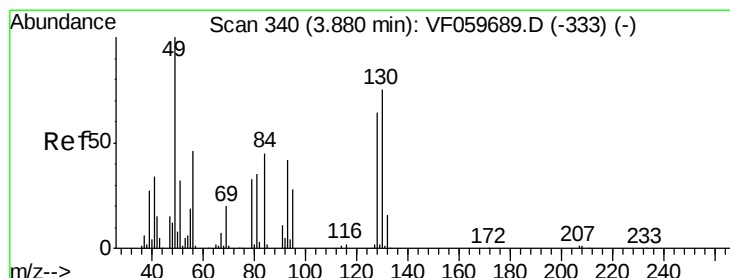
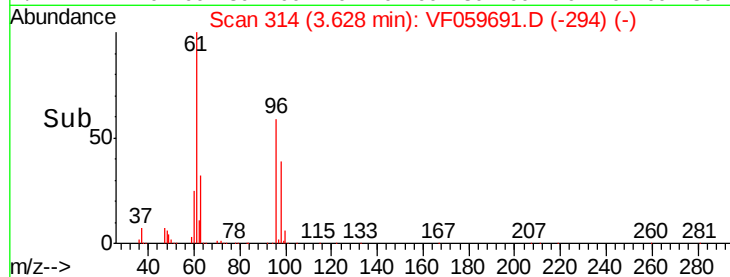
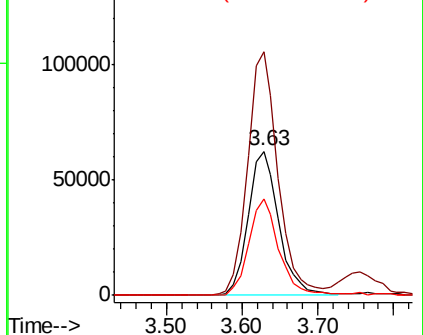
cis-1,2-Dichloroethene
Concen: 99.945 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.2	0.0	326.8
98	66.8	0.0	125.2



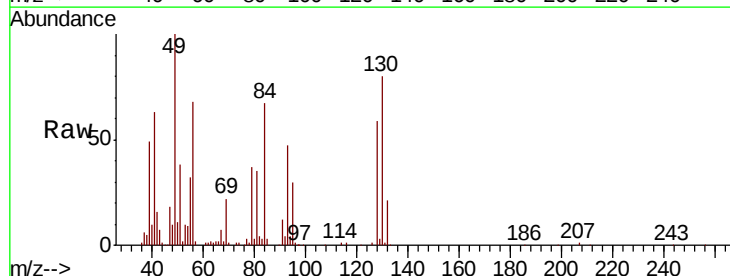
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



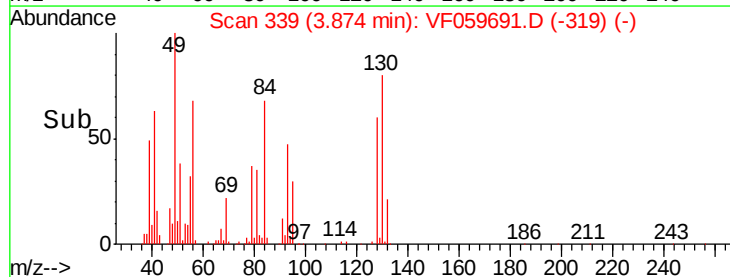
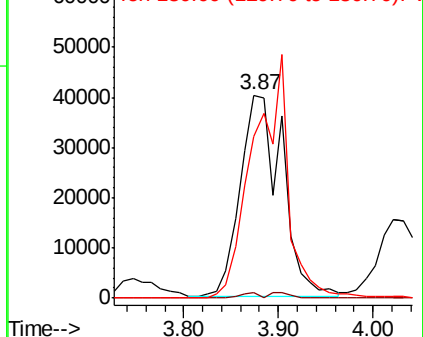
#28

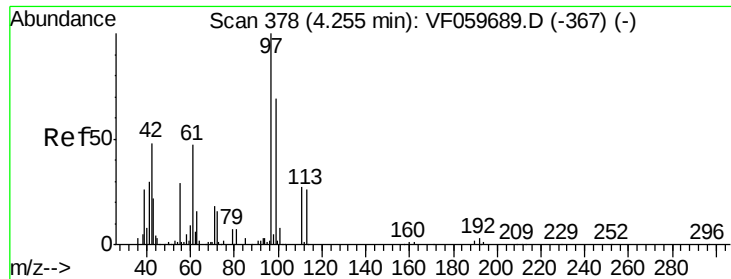
Bromochloromethane
Concen: 99.737 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	79.7	59.6	89.4



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

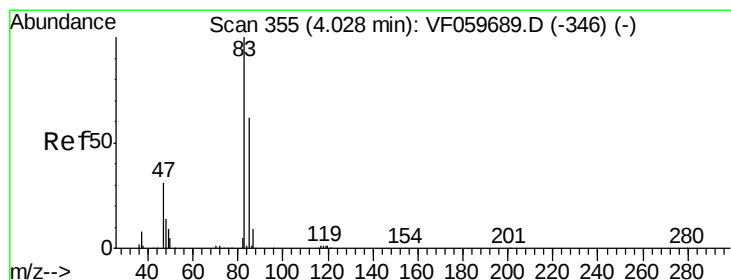
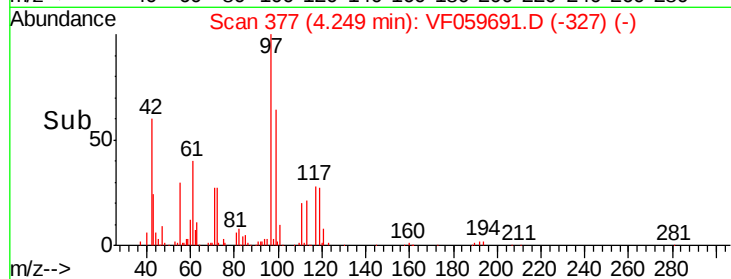
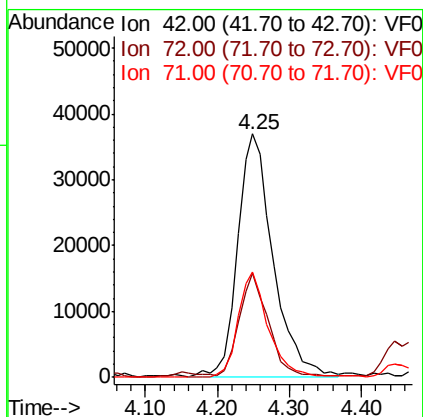
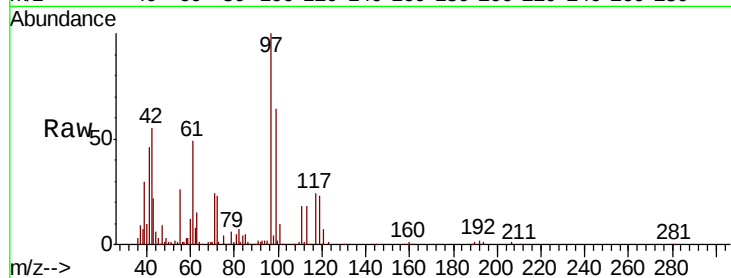




#29
Tetrahydrofuran
Concen: 501.809 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

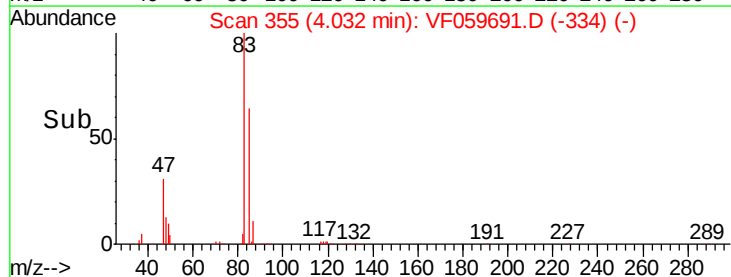
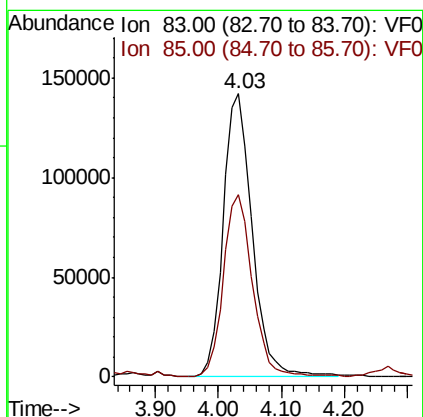
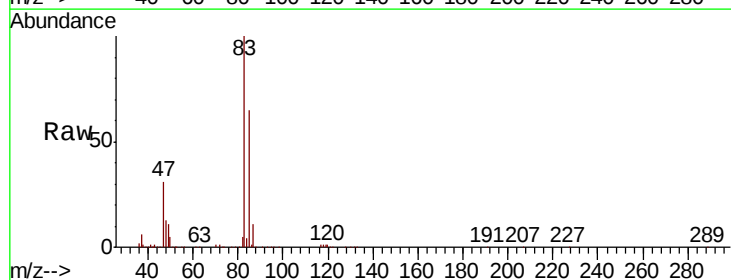
Instrument :
MSVOA_F
ClientSampleId :

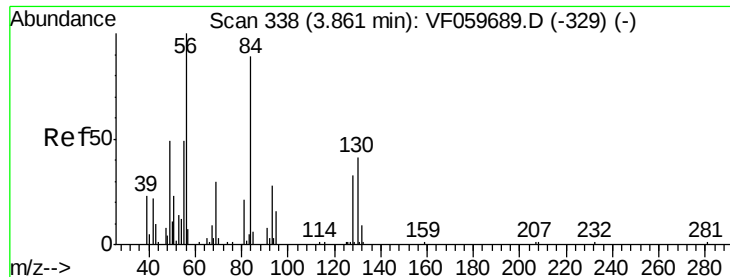
Tot Ion: 42 Resp: 127178
Ion Ratio Lower Upper
42 100
72 35.2 27.0 40.6
71 37.6 29.7 44.5



#30
Chloroform
Concen: 93.570 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion: 83 Resp: 450099
Ion Ratio Lower Upper
83 100
85 64.5 49.4 74.0

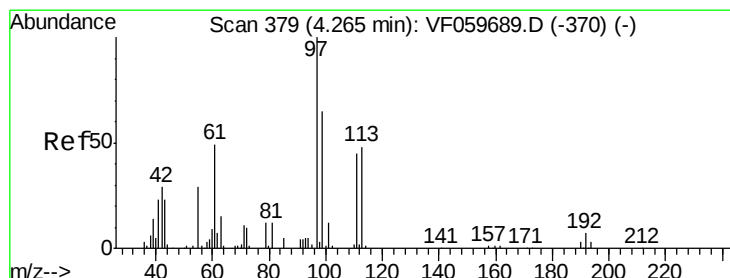
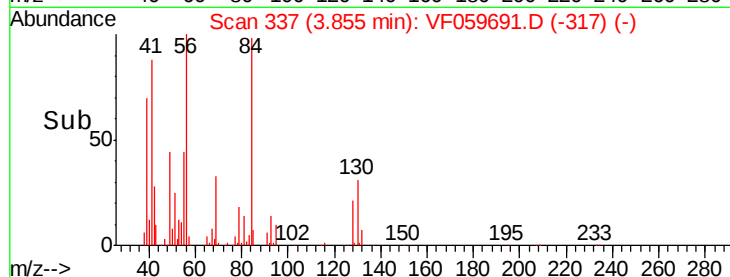
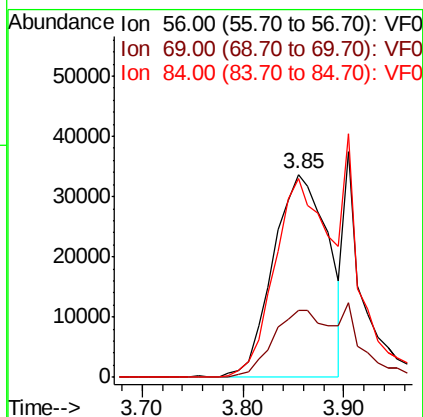
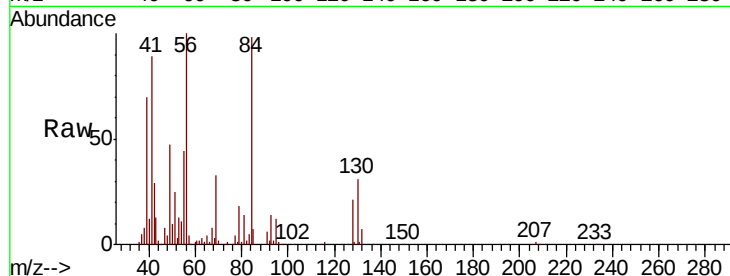




#31
Cvclohexane
Concen: 65.109 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

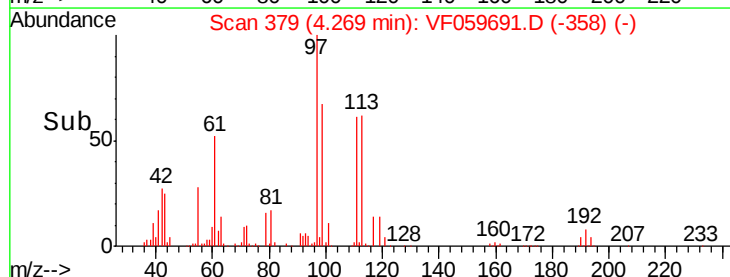
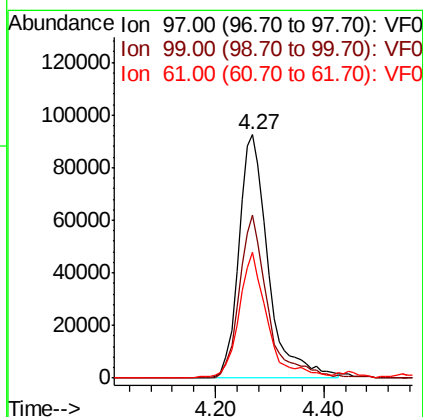
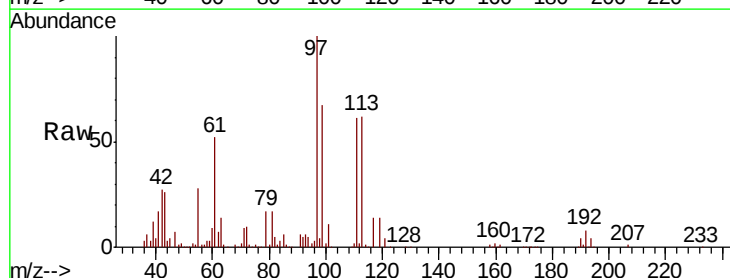
Instrument :
MSVOA_F
ClientSampled :

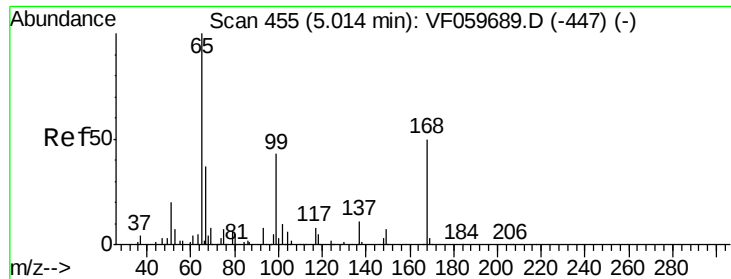
Tot Ion: 56 Resp: 127393
Ion Ratio Lower Upper
56 100
69 33.2 23.7 35.5
84 98.0 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 88.512 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion: 97 Resp: 349254
Ion Ratio Lower Upper
97 100
99 66.8 52.4 78.6
61 51.8 39.7 59.5

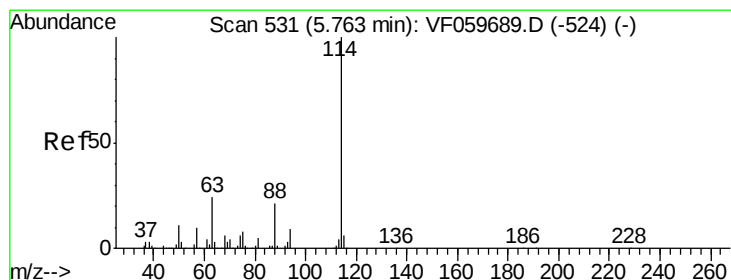
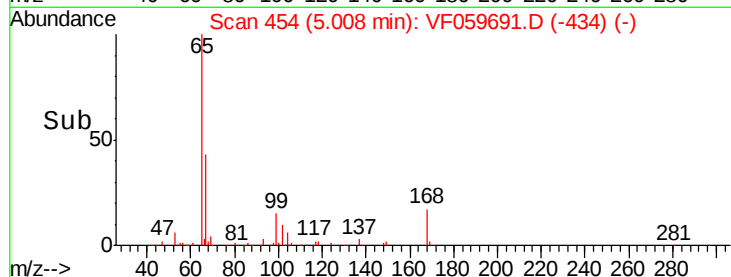
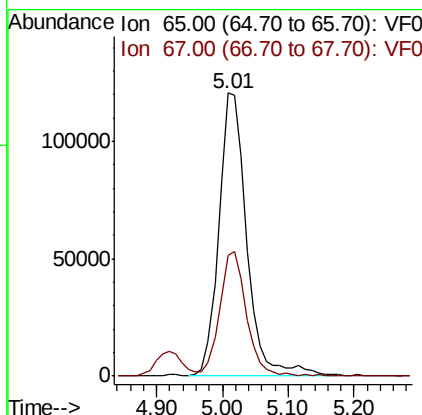
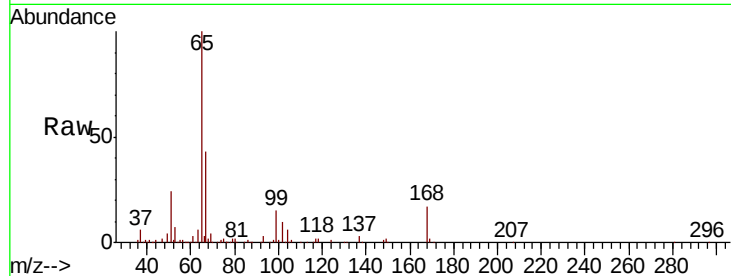




#33
 1,2-Dichloroethane-d4
 Concen: 113.342 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

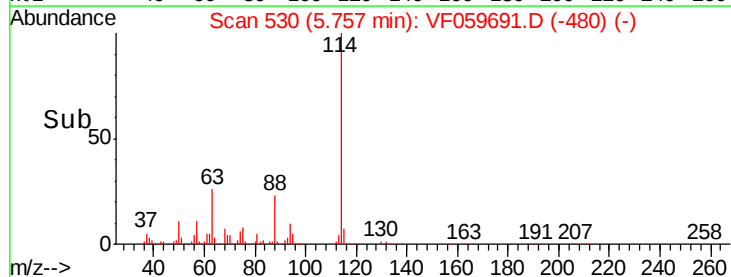
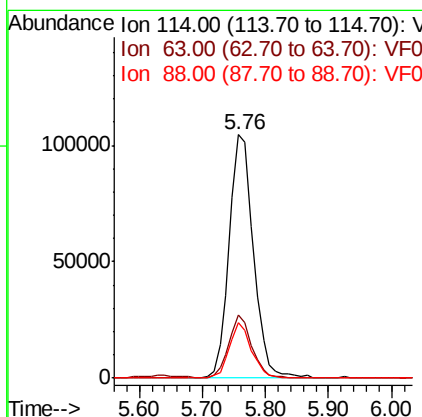
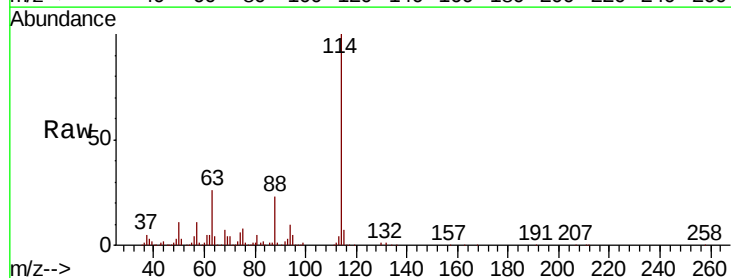
Instrument :
 MSVOA_F
 ClientSampleId :

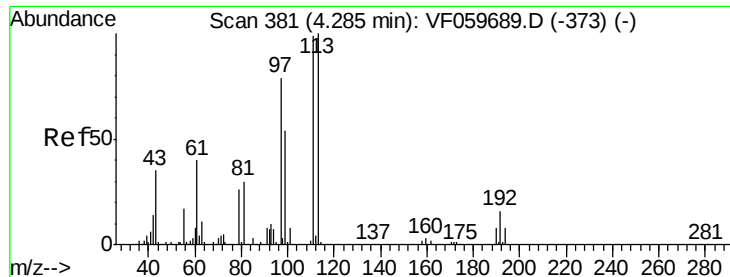
Tot Ion: 65 Resp: 356498
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 114 Resp: 277972
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 47.4
 88 22.8 0.0 41.2





#35

Dibromofluoromethane

Concen: 102.699 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :

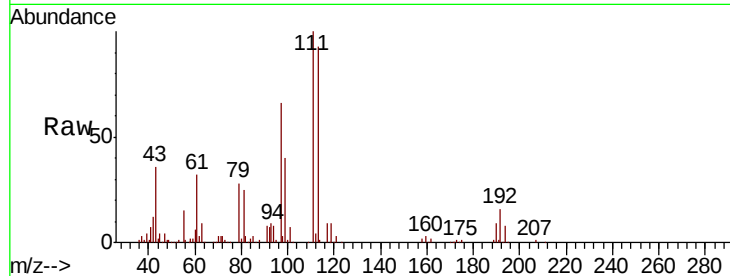
Tot Ion:113 Resp: 273213

Ion Ratio Lower Upper

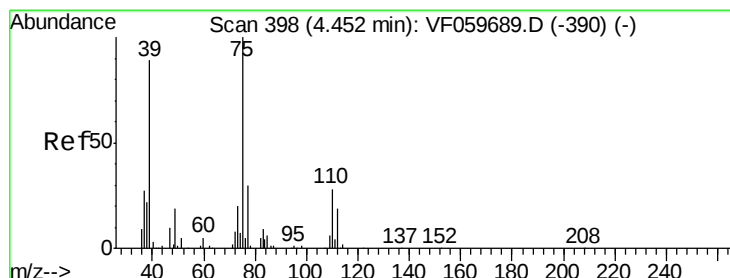
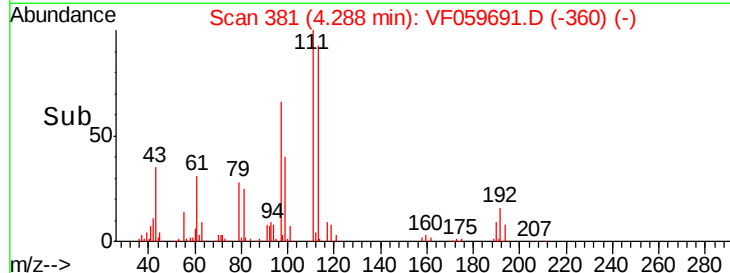
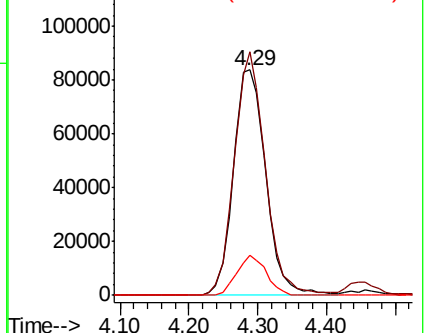
113 100

111 108.0 79.0 118.4

192 18.0 13.2 19.8



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



#36

1,1-Dichloropropene

Concen: 91.353 ug/l

RT: 4.46 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

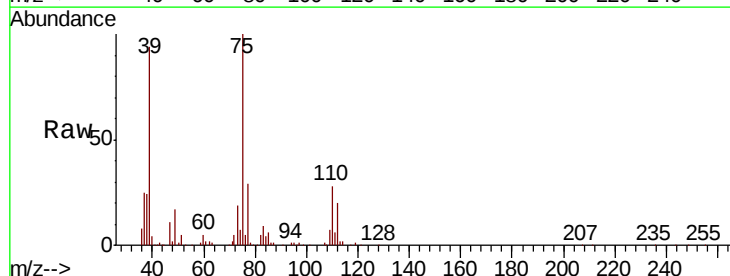
Tgt Ion: 75 Resp: 275431

Ion Ratio Lower Upper

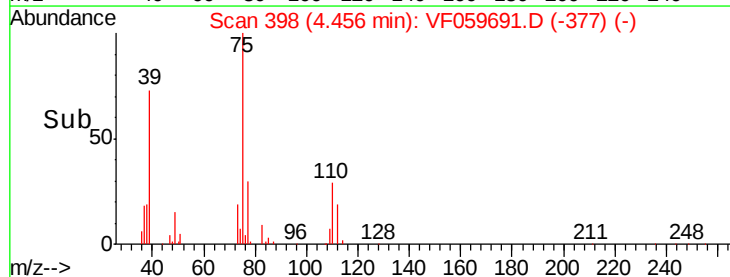
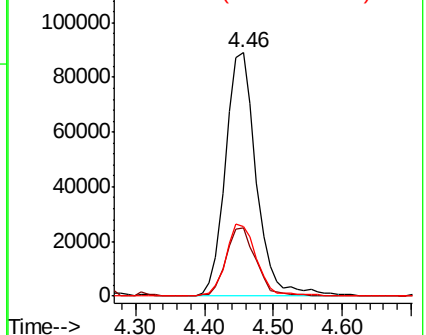
75 100

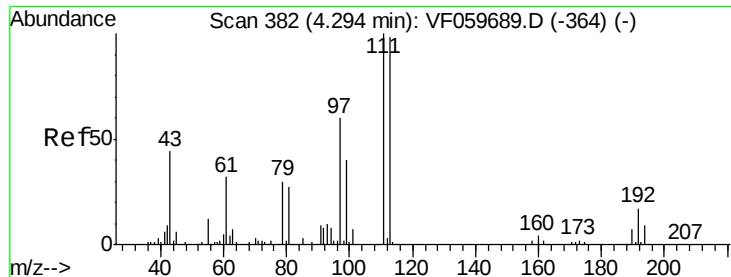
110 28.1 14.0 41.9

77 28.8 24.2 36.2



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

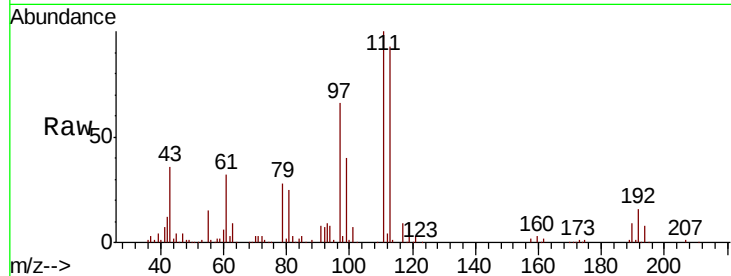




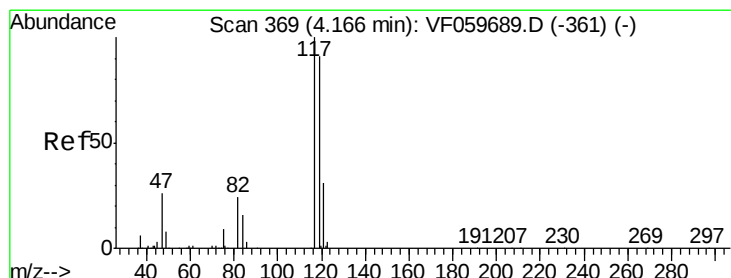
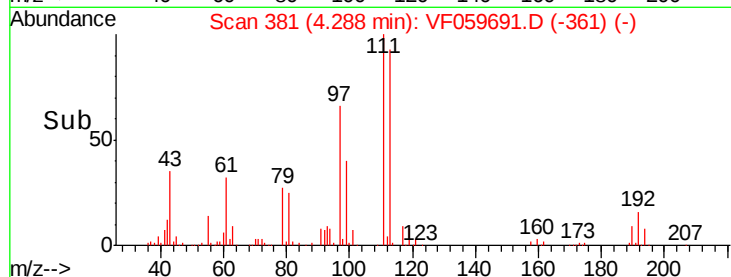
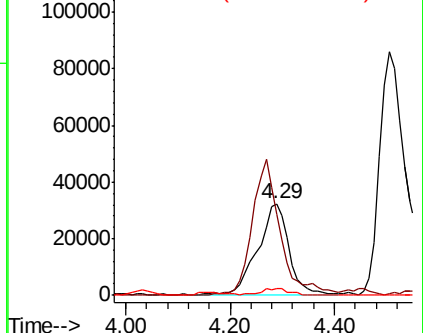
#37
Ethyl Acetate
Concen: 99.878 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 131364
Ion Ratio Lower Upper
43 100
61 88.8 58.2 87.2#
70 8.0 6.0 9.0

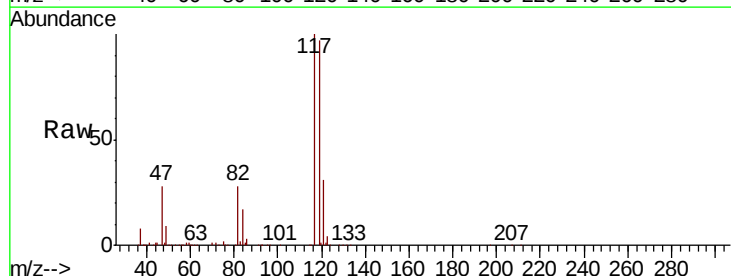


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

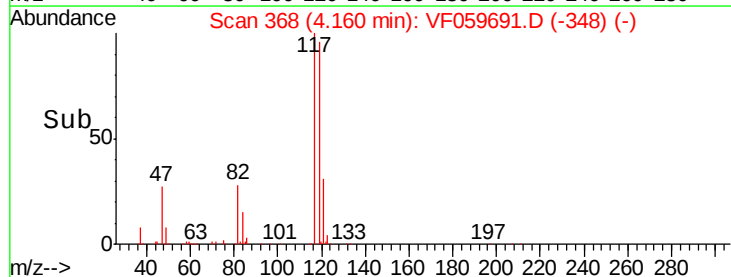
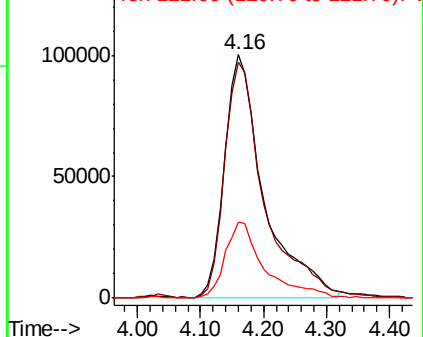


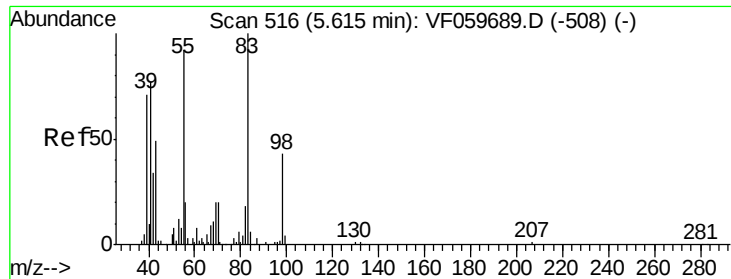
#38
Carbon Tetrachloride
Concen: 98.197 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion: 117 Resp: 434389
Ion Ratio Lower Upper
117 100
119 96.6 72.9 109.3
121 31.1 25.0 37.4



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

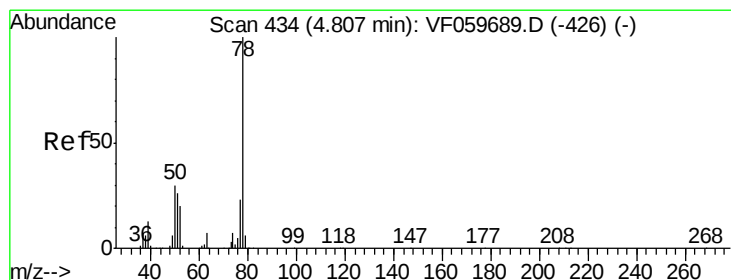
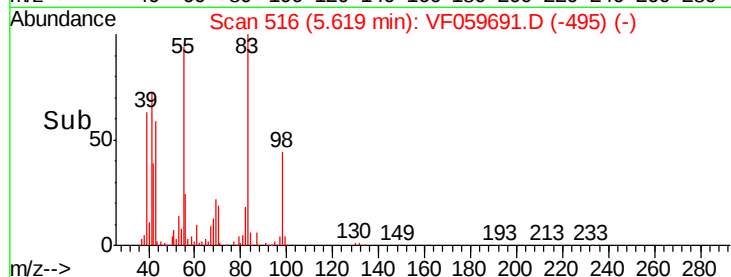
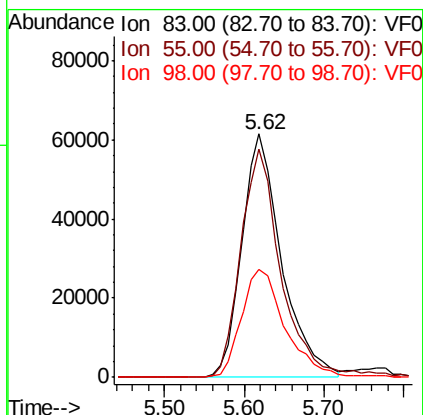
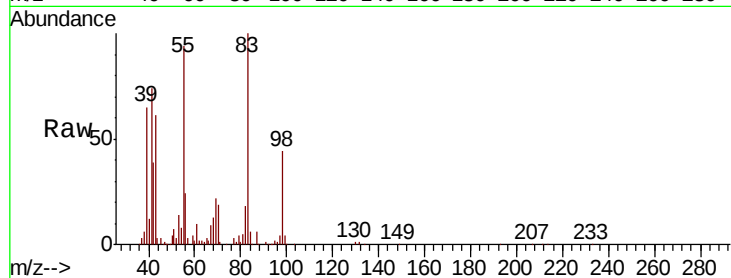




#39
Methvlcvclohexane
Concen: 86.257 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

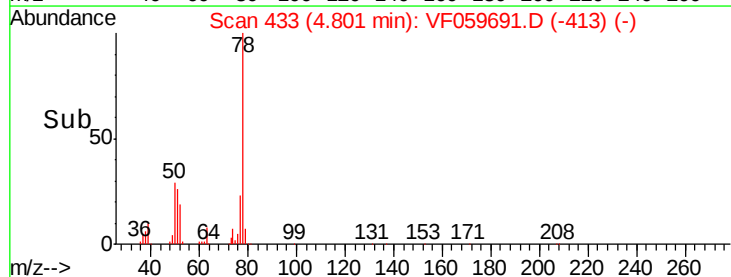
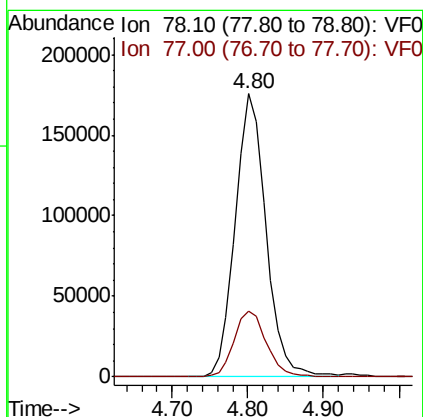
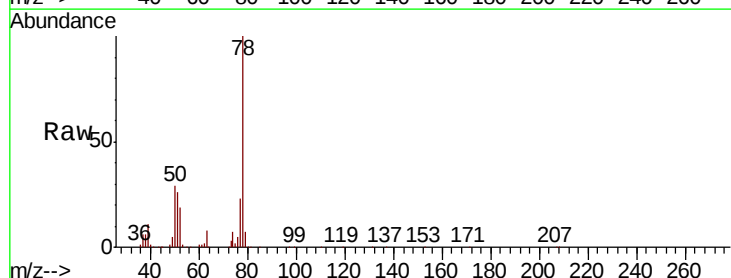
Instrument :
MSVOA_F
ClientSampleId :

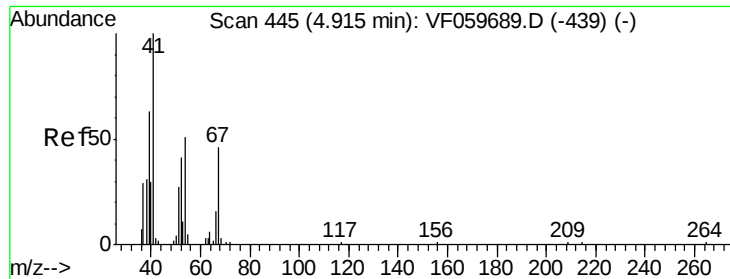
Tot Ion: 83 Resp: 211659
Ion Ratio Lower Upper
83 100
55 93.8 73.4 110.2
98 44.4 34.2 51.4



#40
Benzene
Concen: 92.765 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion: 78 Resp: 496770
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

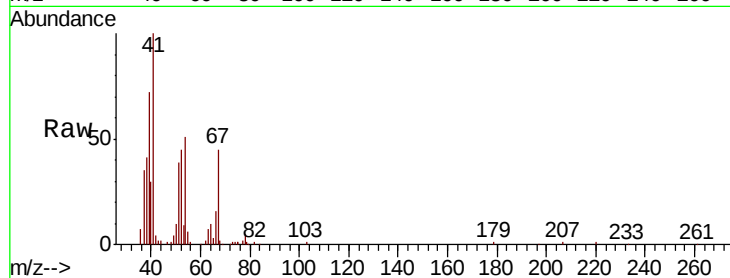




#41
Methacrylonitrile
Concen: 97.585 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	63202
Ion	Ratio	Lower	Upper
41	100		
39	71.8	55.2	82.8
67	45.2	36.2	54.2
52	45.0	37.7	56.5



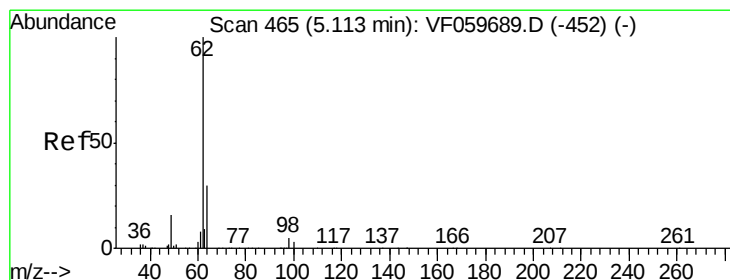
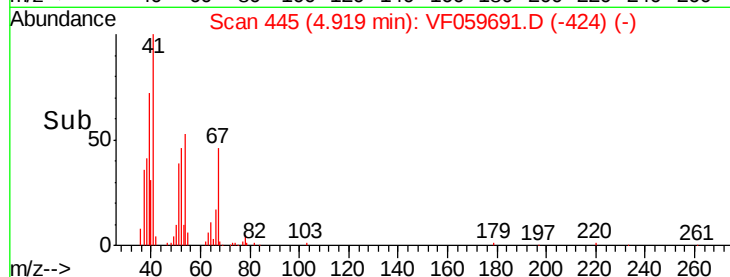
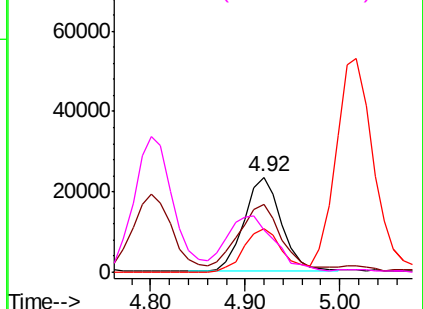
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

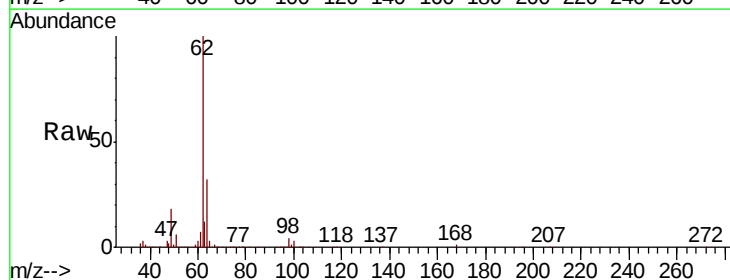
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 100.870 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

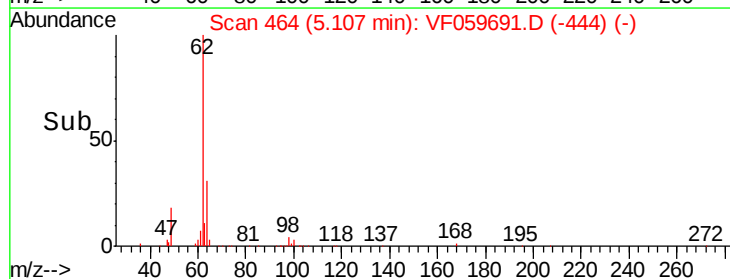
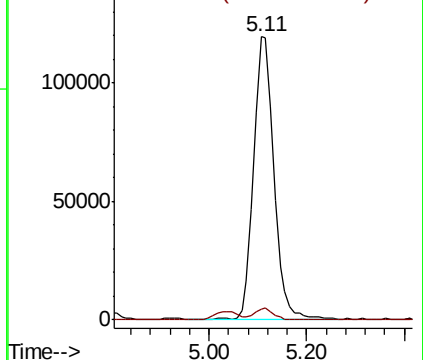
Tgt Ion:	62	Resp:	351491
Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	9.6

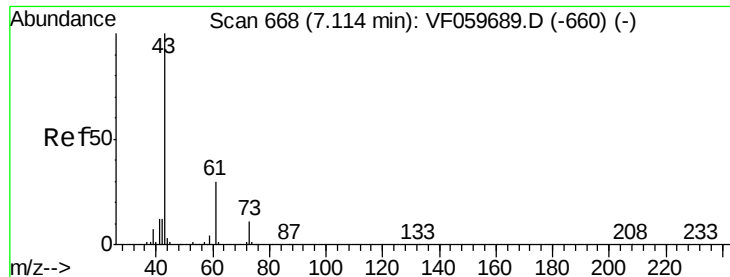


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



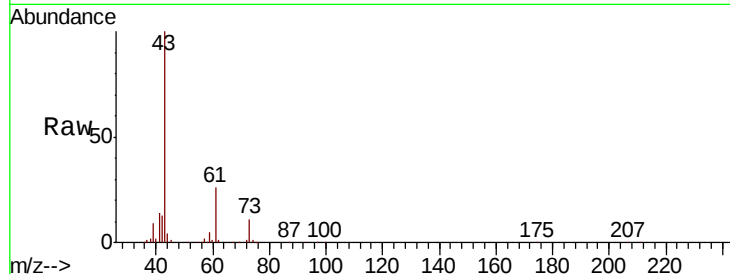


#43

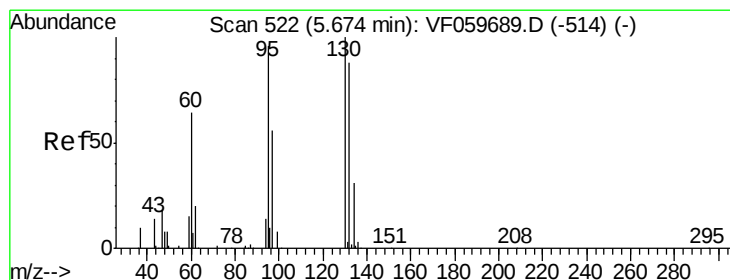
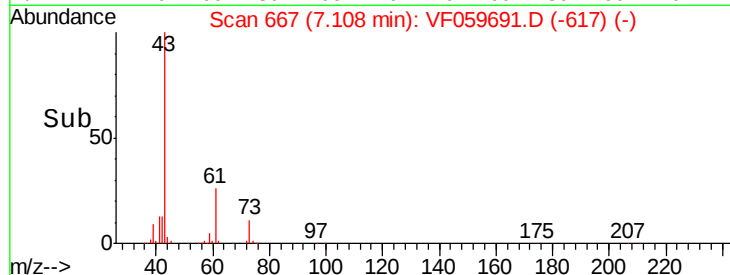
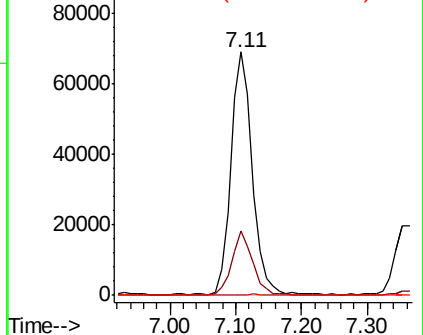
Isopropyl Acetate
 Concen: 115.205 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	23.8	35.8
87	0.4	0.6	1.0



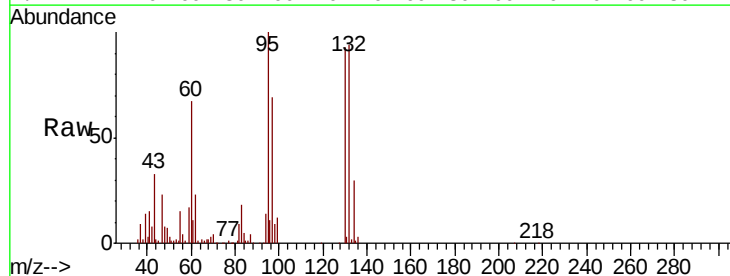
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



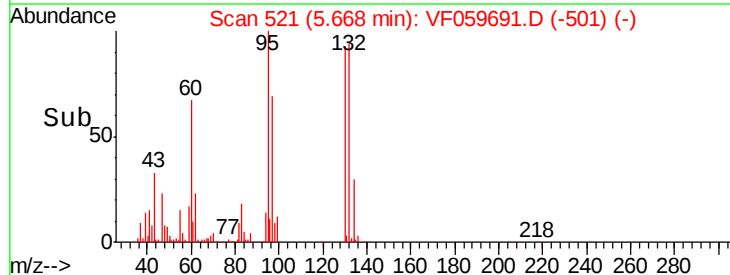
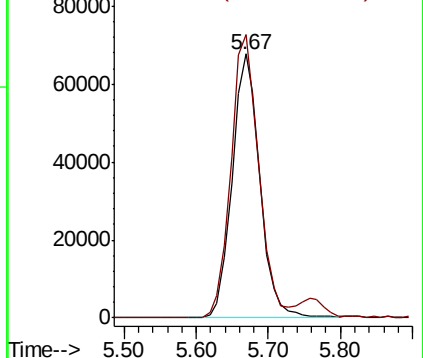
#44

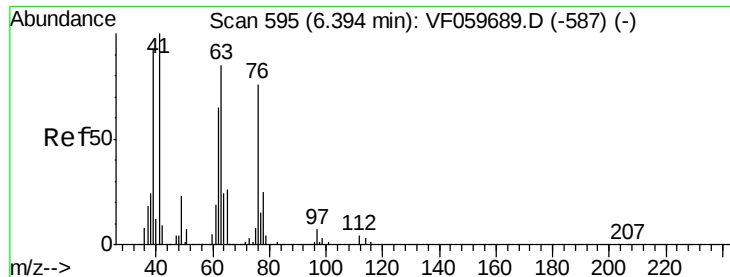
Trichloroethene
 Concen: 87.572 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	191.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 95.359 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

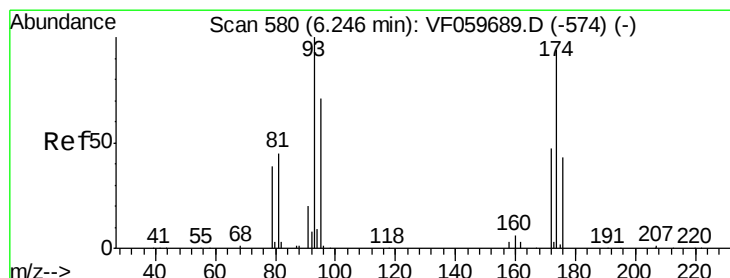
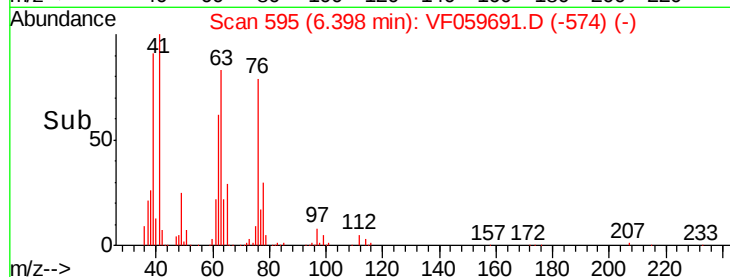
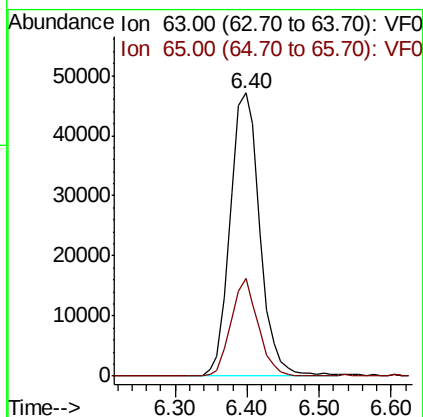
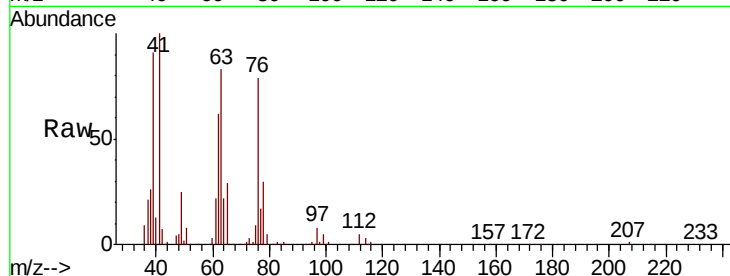
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 135710

Ion Ratio Lower Upper

63 100

65 34.6 25.2 37.8



#46

Dibromomethane

Concen: 102.368 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

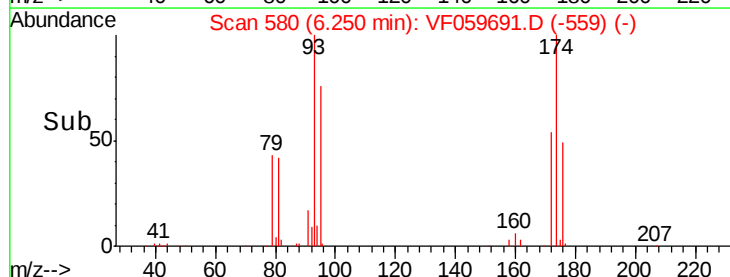
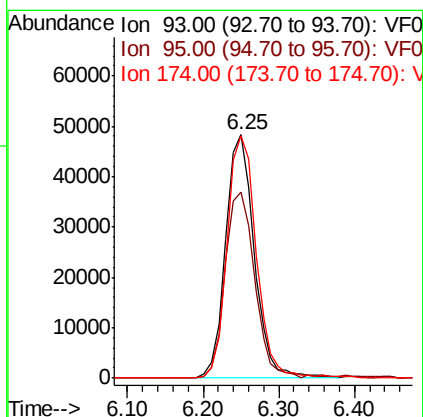
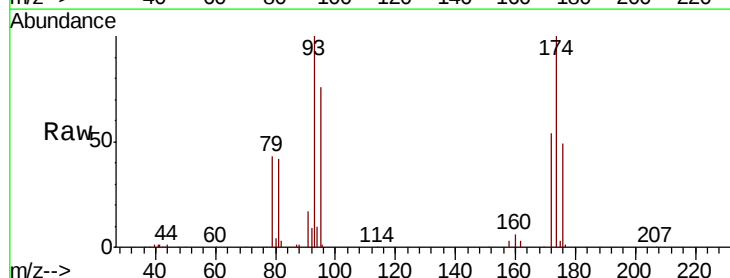
Tgt Ion: 93 Resp: 126508

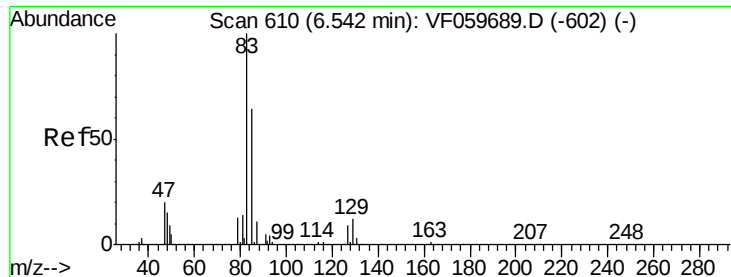
Ion Ratio Lower Upper

93 100

95 77.4 57.1 85.7

174 99.7 74.8 112.2





#47

Bromodichloromethane

Concen: 97.278 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :

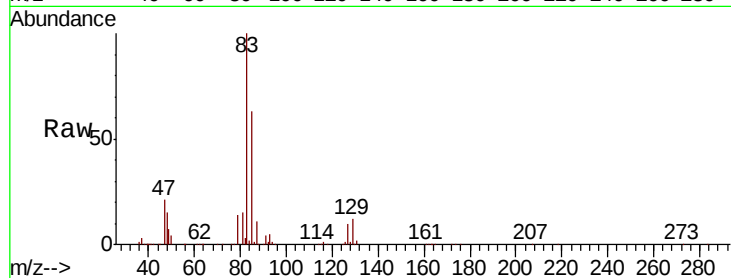
Tot Ion: 83 Resp: 352225

Ion Ratio Lower Upper

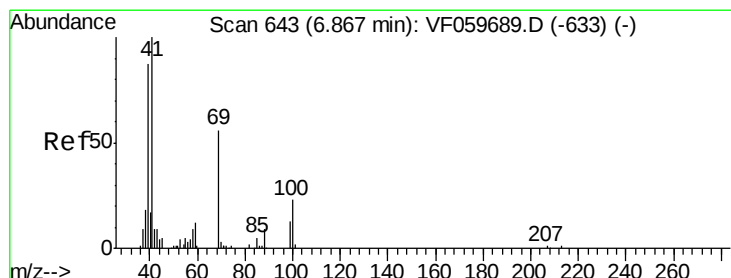
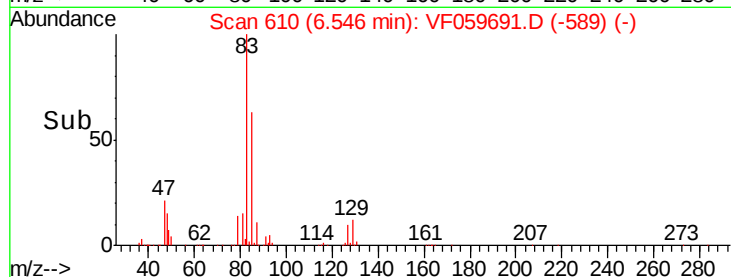
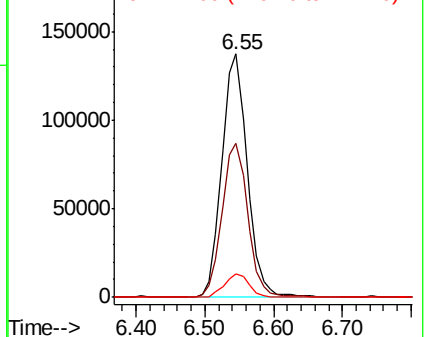
83 100

85 63.1 51.0 76.6

127 9.6 7.3 10.9



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: 112.721 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

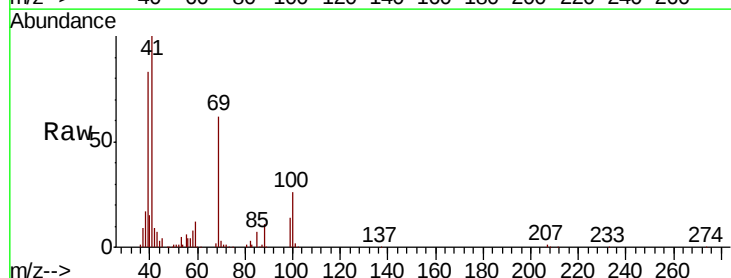
Tgt Ion: 41 Resp: 120478

Ion Ratio Lower Upper

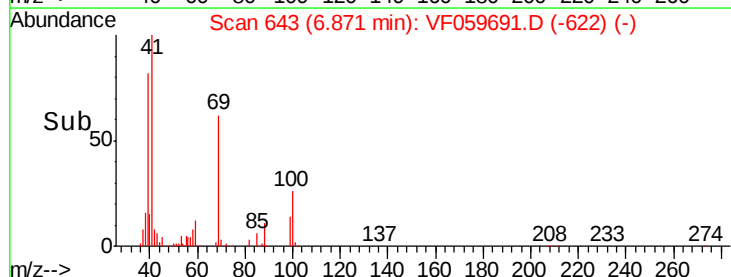
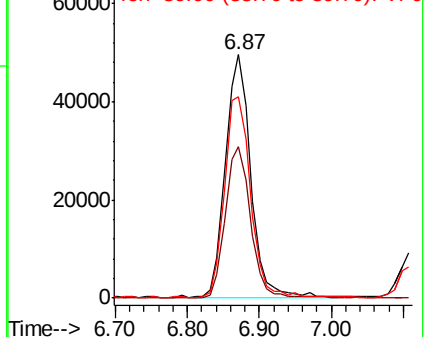
41 100

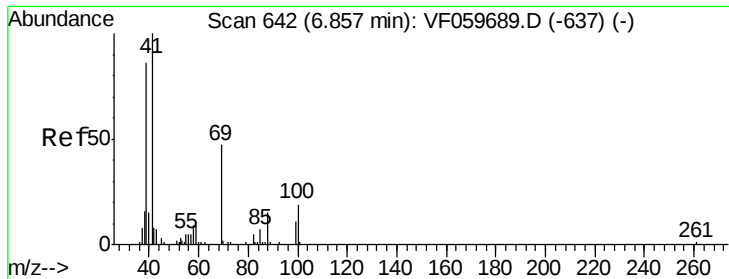
69 62.3 44.4 66.6

39 82.9 69.4 104.2



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

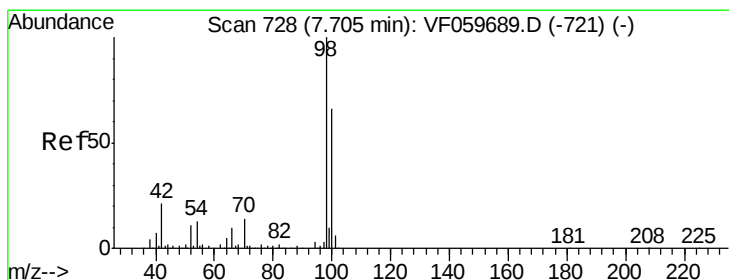
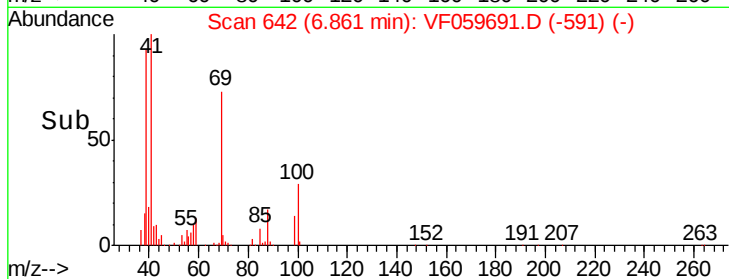
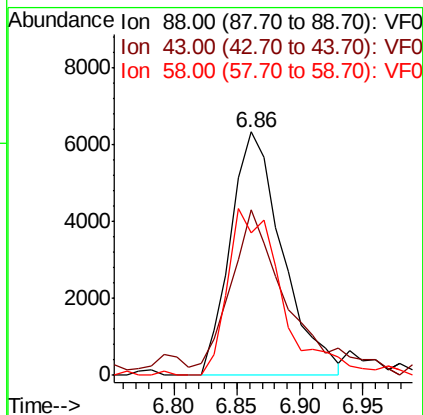
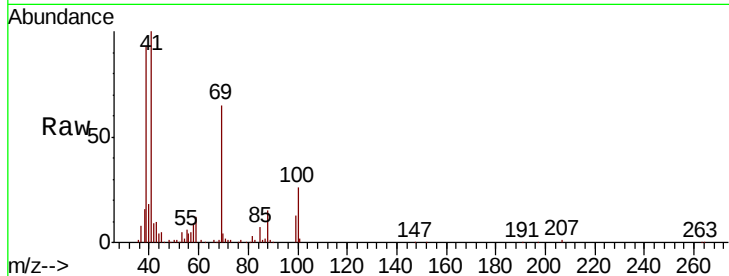




#49
 1,4-Dioxane
 Concen: 2130.162 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

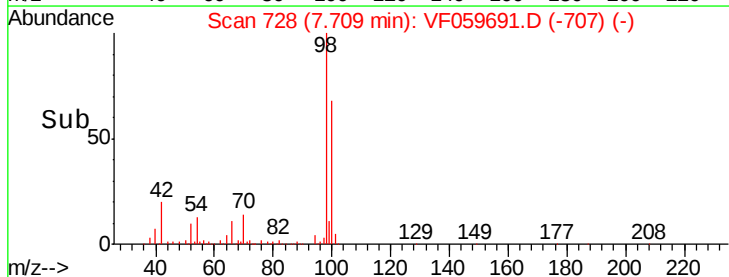
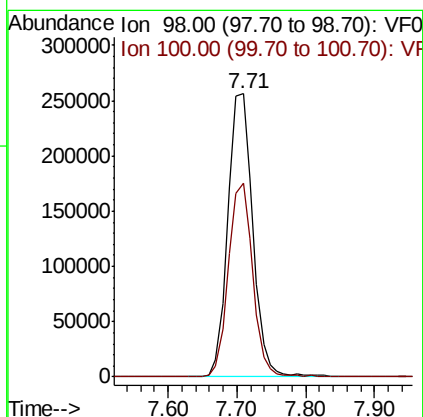
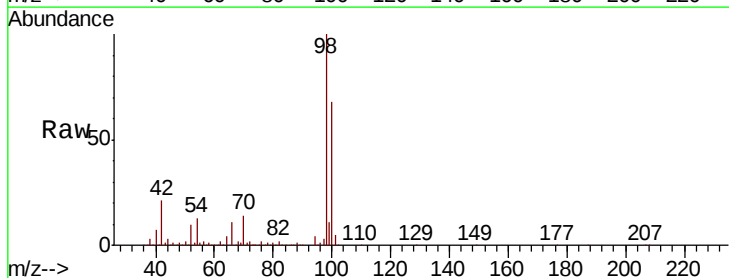
Instrument :
 MSVOA_F
 ClientSampleId :

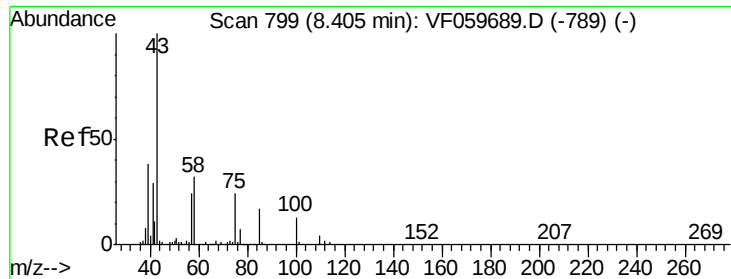
Tot Ion: 88 Resp: 18169
 Ion Ratio Lower Upper
 88 100
 43 67.8 45.2 67.8#
 58 58.5 49.0 73.6



#50
 Toluene-d8
 Concen: 100.108 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 98 Resp: 643936
 Ion Ratio Lower Upper
 98 100
 100 68.4 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 526.430 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

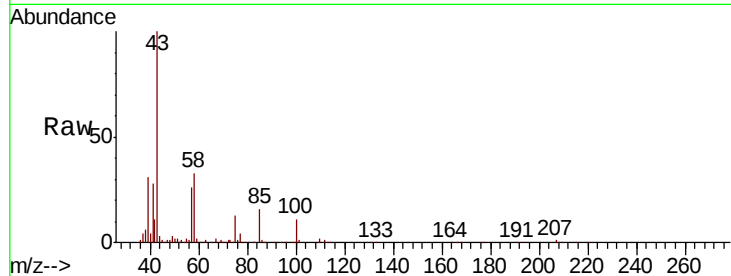
ClientSampleId :

Tot Ion: 43 Resp: 576918

Ion Ratio Lower Upper

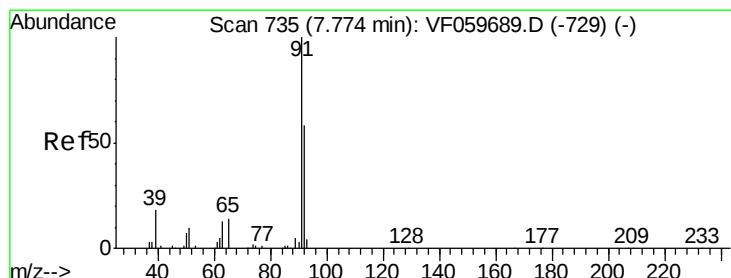
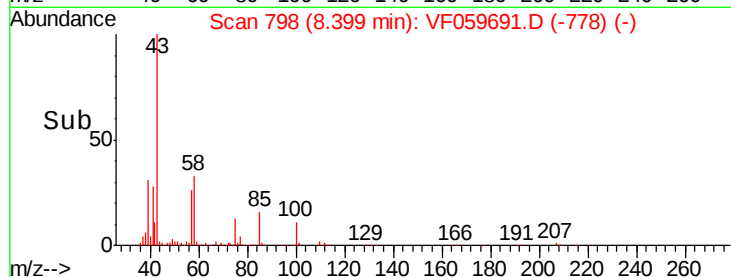
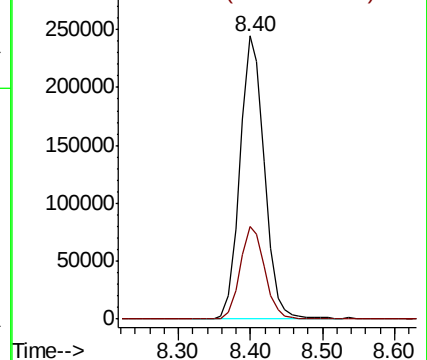
43 100

58 32.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 88.273 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059691.D

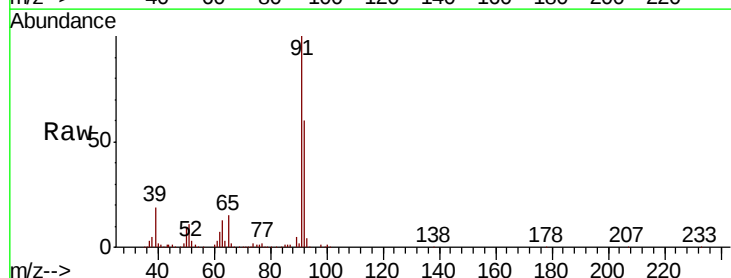
Acq: 30 Jul 2018 16:25

Tgt Ion: 92 Resp: 351130

Ion Ratio Lower Upper

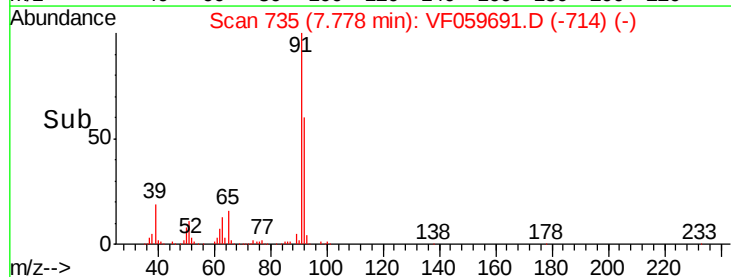
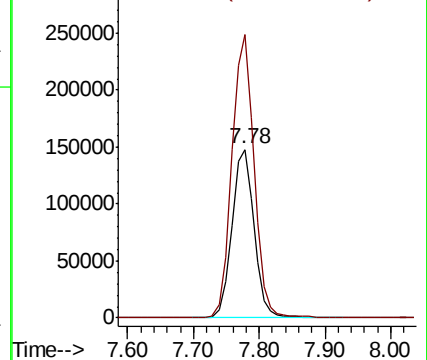
92 100

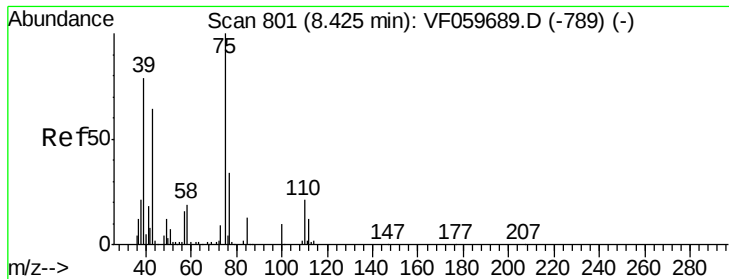
91 168.1 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 100.127 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

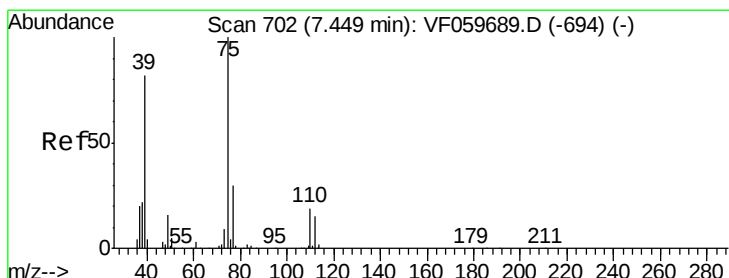
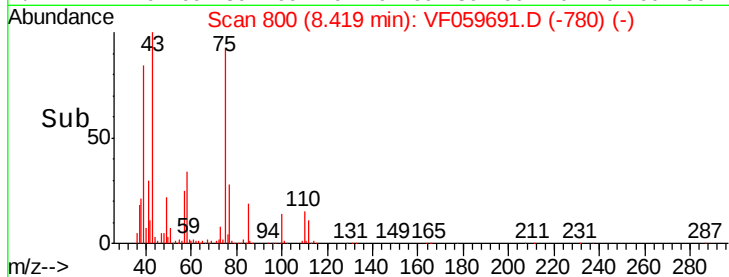
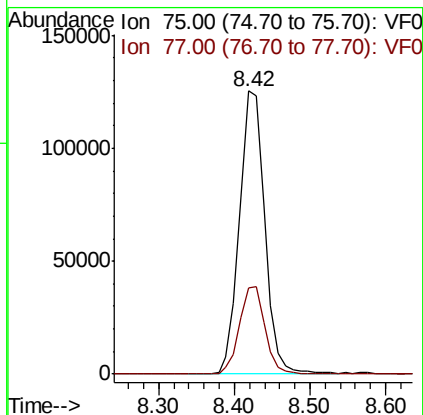
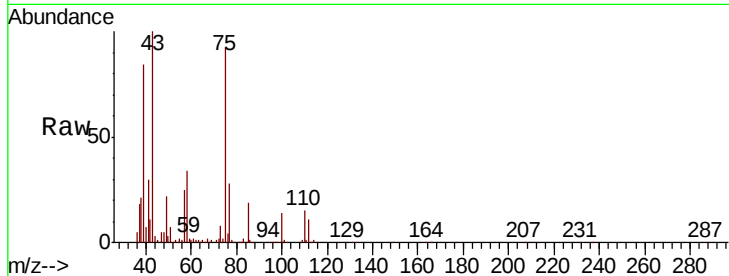
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 289984

Ion Ratio Lower Upper

75 100

77 30.4 27.0 40.4



#54

cis-1,3-Dichloropropene

Concen: 97.469 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

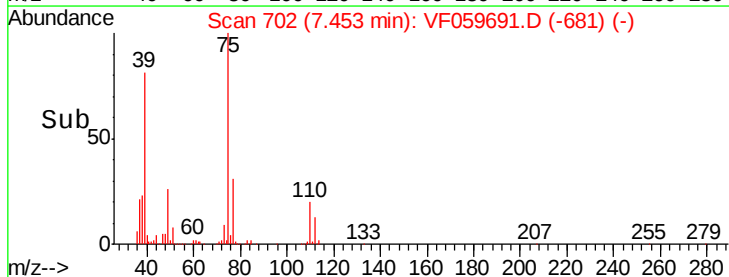
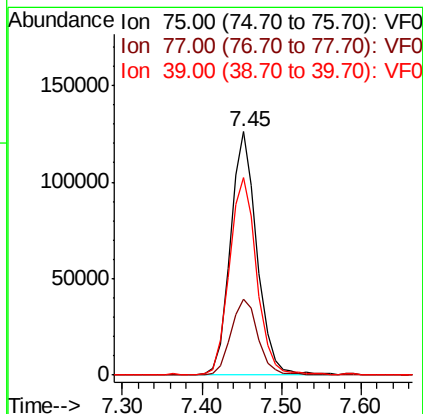
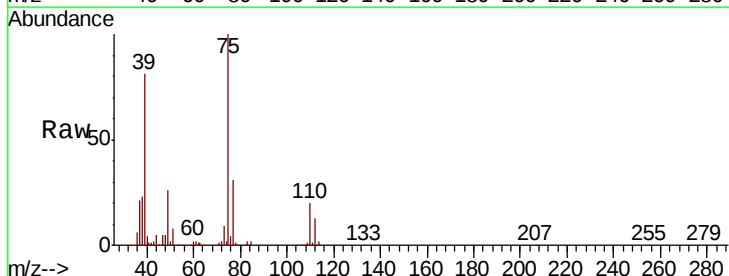
Tgt Ion: 75 Resp: 292905

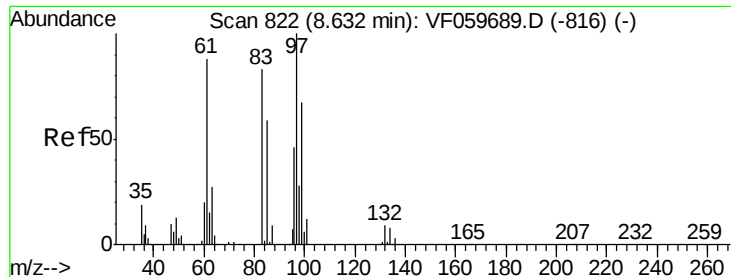
Ion Ratio Lower Upper

75 100

77 31.1 24.0 36.0

39 81.3 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 104.232 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

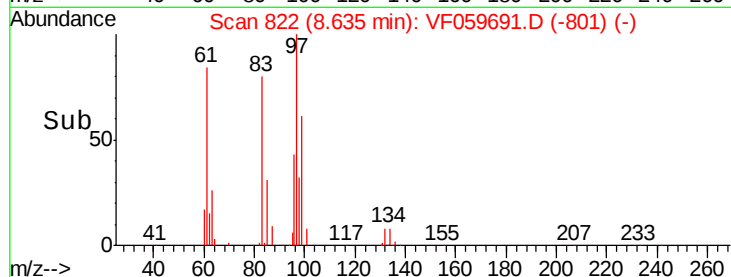
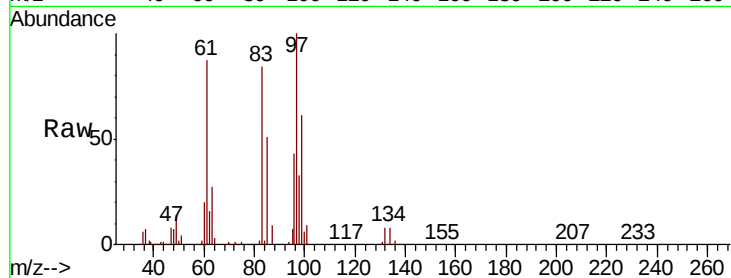
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 137705

Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.6	100.0
85	50.8	47.4	71.0
99	60.6	53.2	79.8

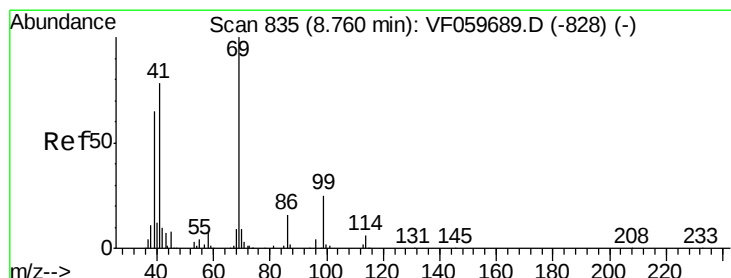
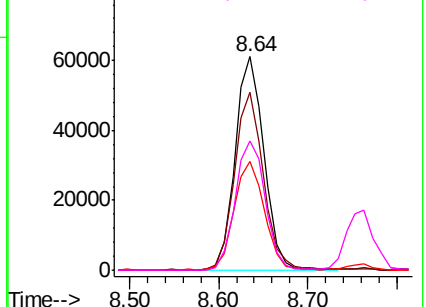


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 115.206 ug/l

RT: 8.75 min Scan# 834

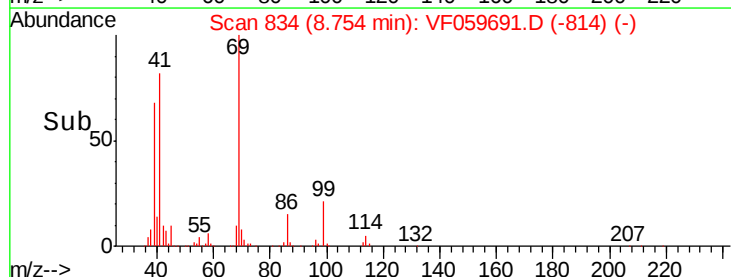
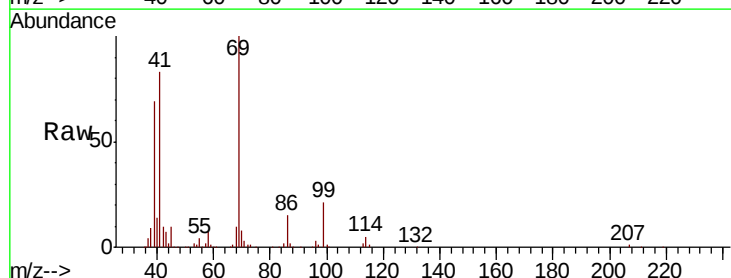
Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion: 69 Resp: 161356

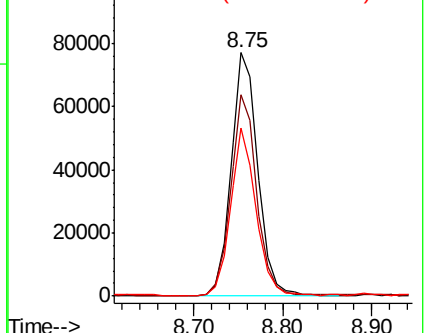
Ion	Ratio	Lower	Upper
69	100		
41	82.7	62.3	93.5
39	69.0	52.4	78.6

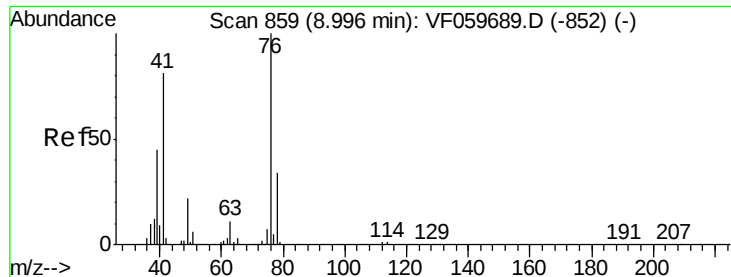


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 104.012 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

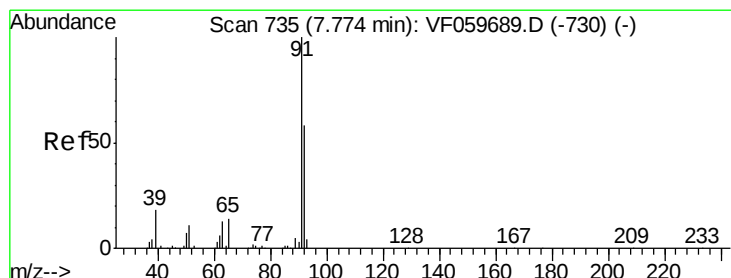
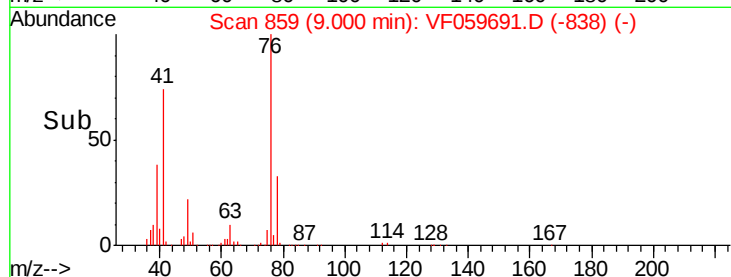
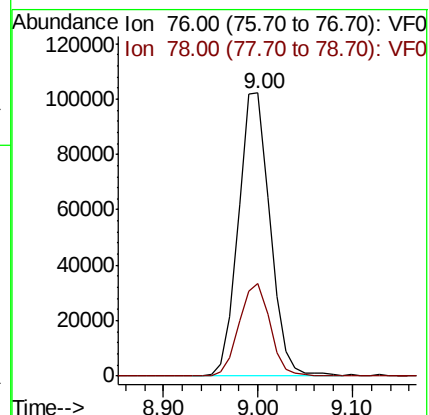
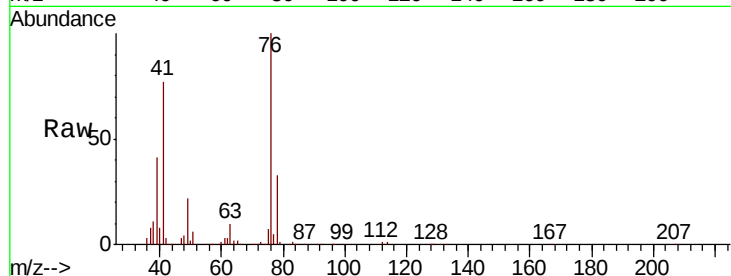
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 237624

Ion Ratio Lower Upper

76 100

78 32.7 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 470.478 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059691.D

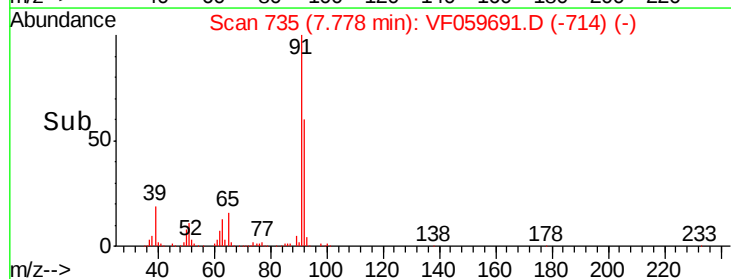
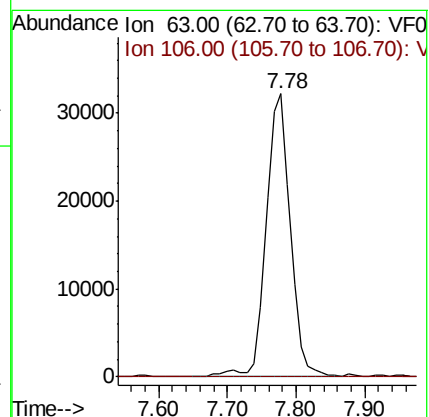
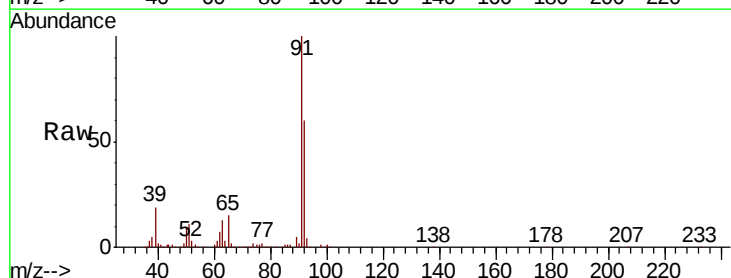
Acq: 30 Jul 2018 16:25

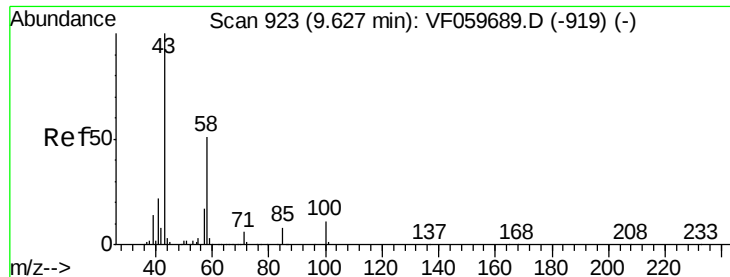
Tgt Ion: 63 Resp: 79561

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

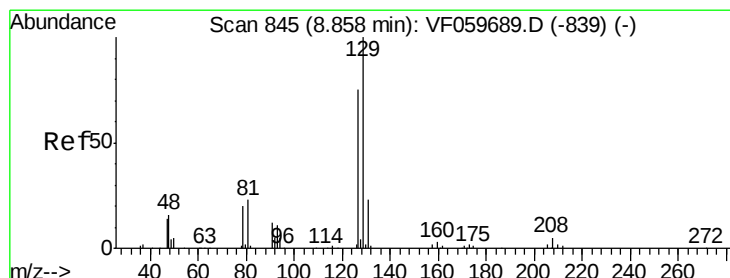
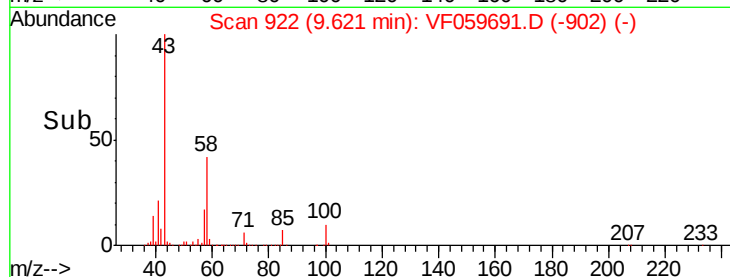
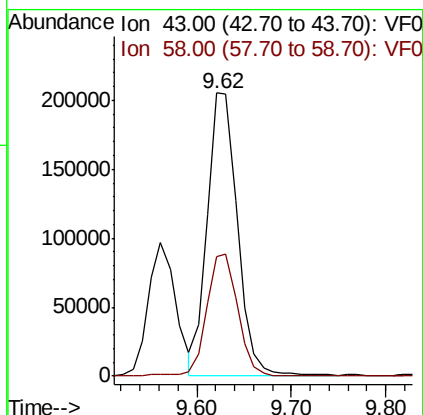
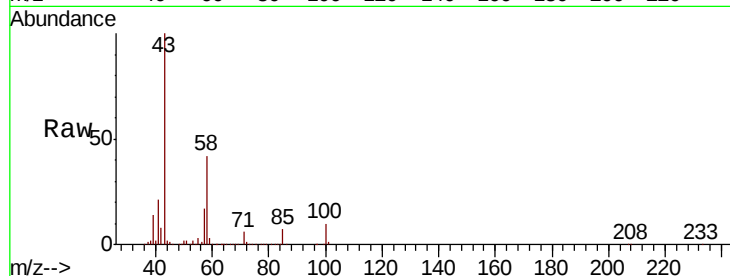




#59
2-Hexanone
Concen: 558.765 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

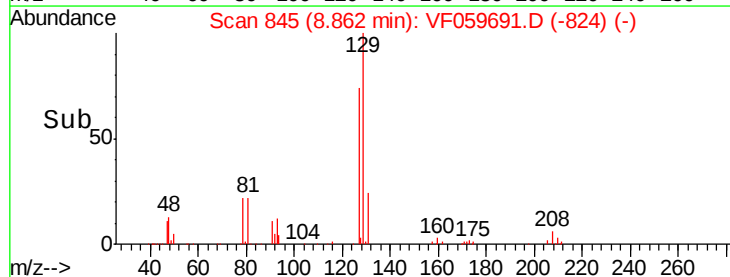
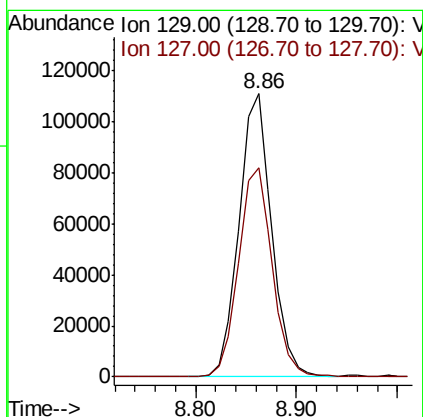
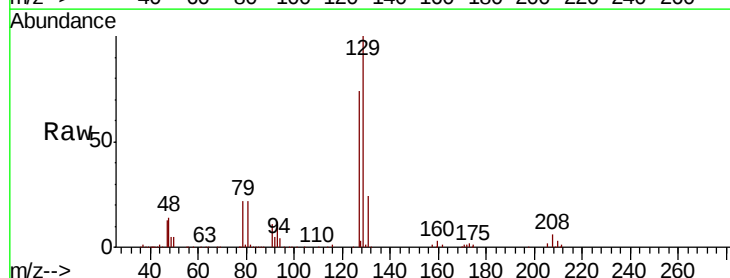
Instrument :
MSVOA_F
ClientSampled :

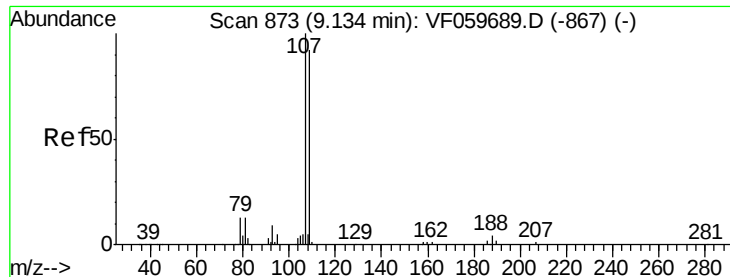
Tot Ion: 43 Resp: 454232
Ion Ratio Lower Upper
43 100
58 42.3 23.3 69.8



#60
Dibromochloromethane
Concen: 104.759 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion:129 Resp: 249683
Ion Ratio Lower Upper
129 100
127 73.7 37.7 113.1





#61

1,2-Dibromoethane

Concen: 106.144 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

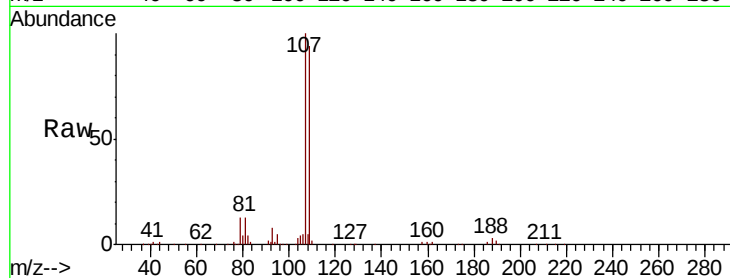
ClientSampleId :

Tot Ion:107 Resp: 169579

Ion Ratio Lower Upper

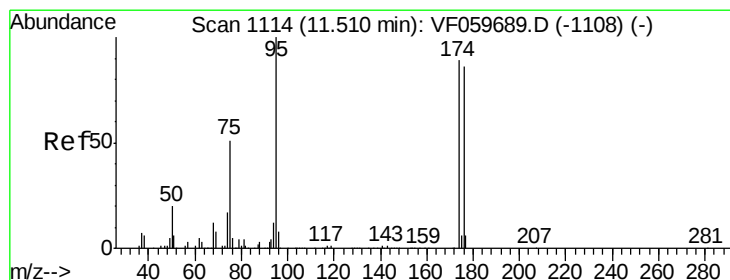
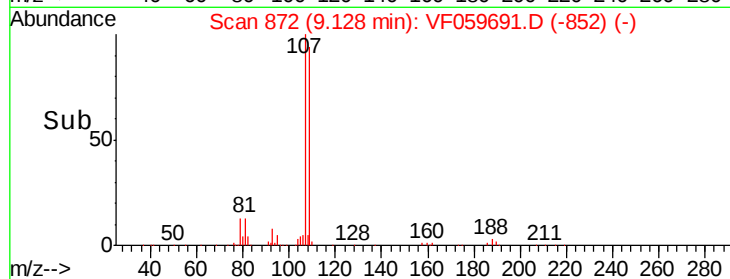
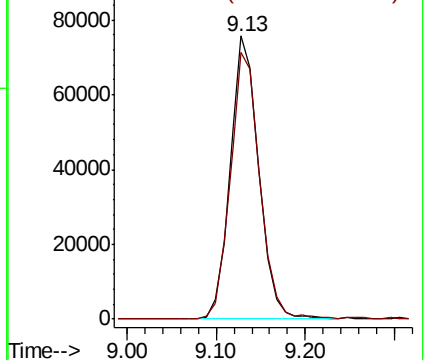
107 100

109 94.2 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 97.620 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

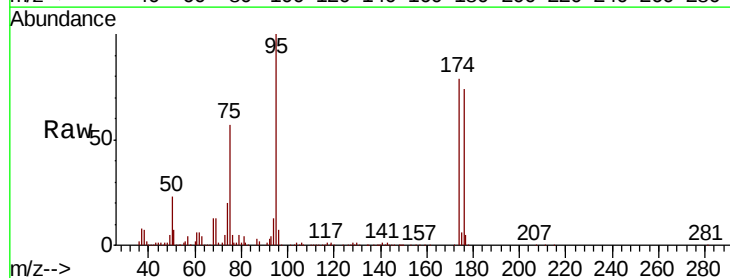
Tgt Ion: 95 Resp: 339751

Ion Ratio Lower Upper

95 100

174 79.0 0.0 178.4

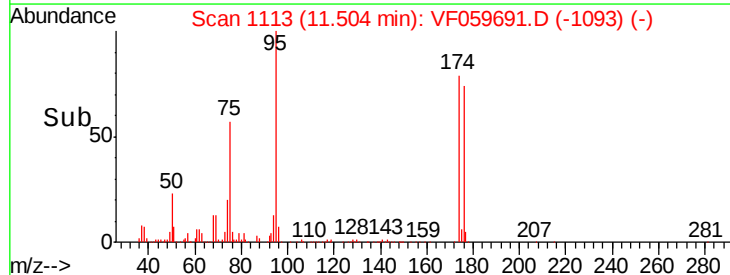
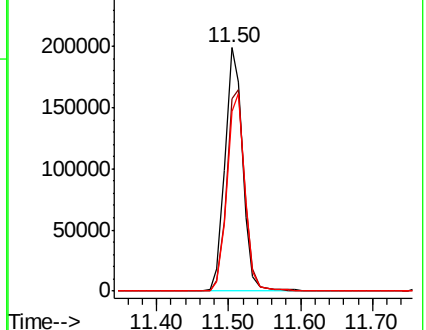
176 74.0 0.0 173.0

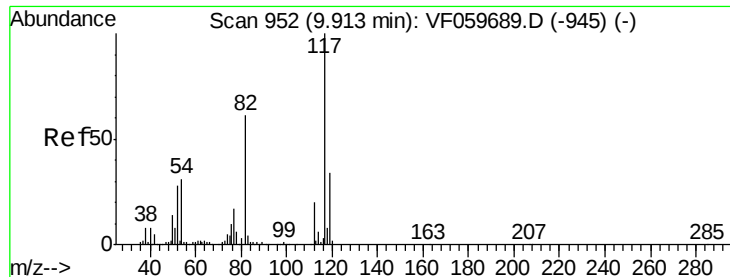


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

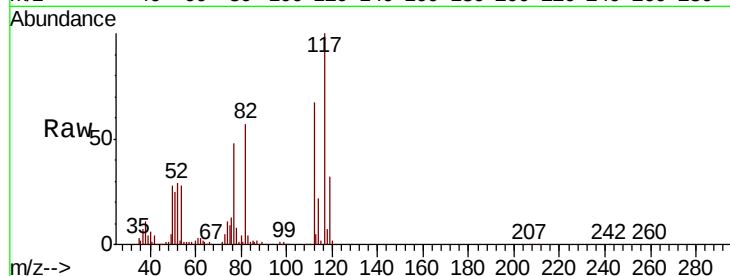




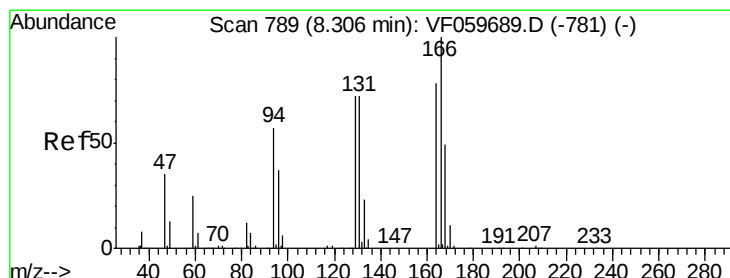
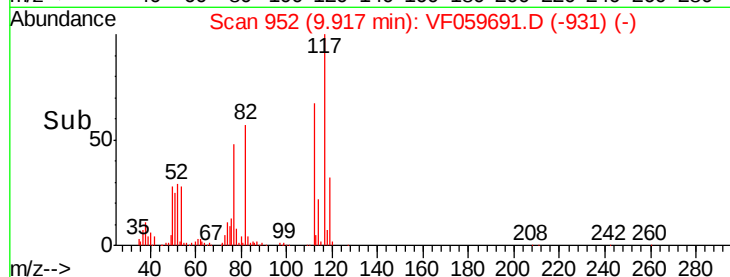
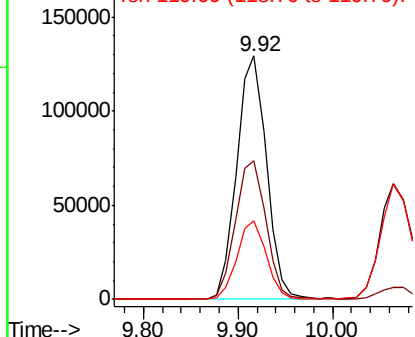
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	49.0	73.4
119	32.1	27.3	40.9

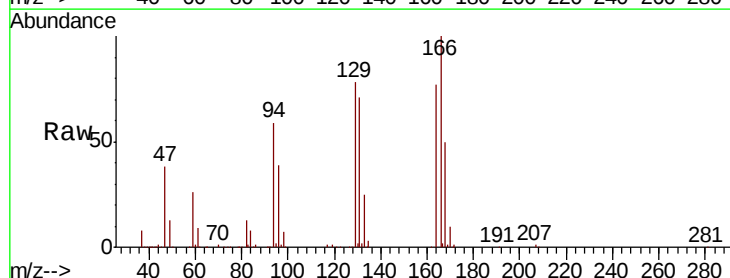


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

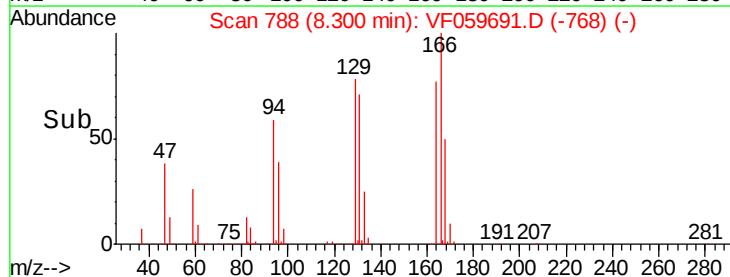
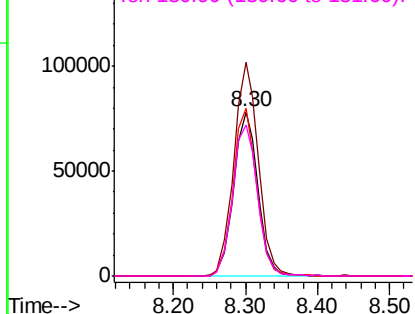


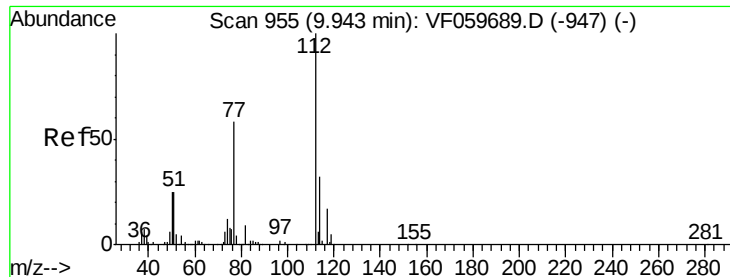
#64
Tetrachloroethene
Concen: 80.997 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.1	153.1
129	102.0	73.8	110.6
131	92.3	73.1	109.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

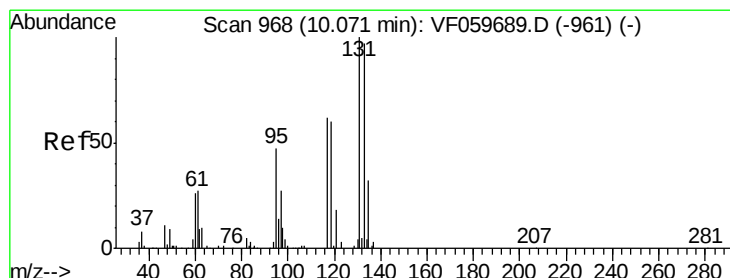
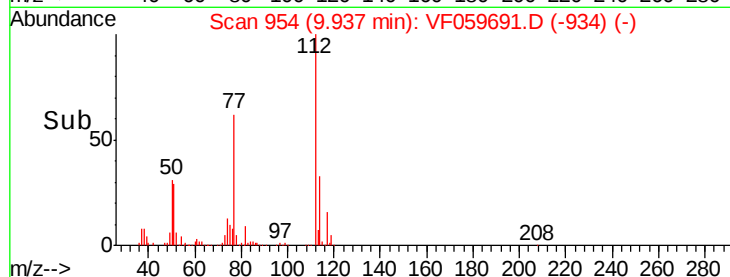
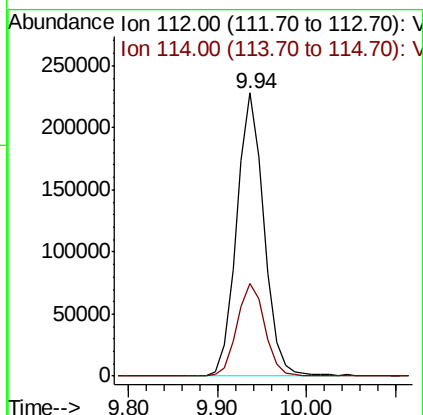
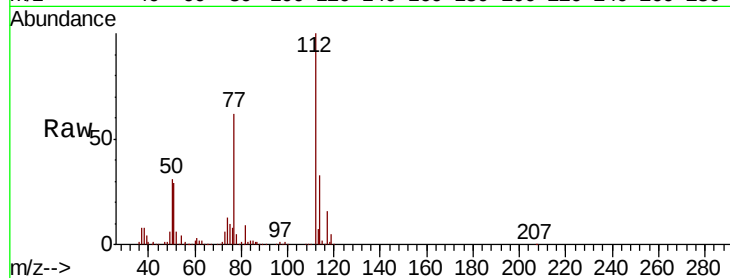




#65
Chlorobenzene
Concen: 88.285 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

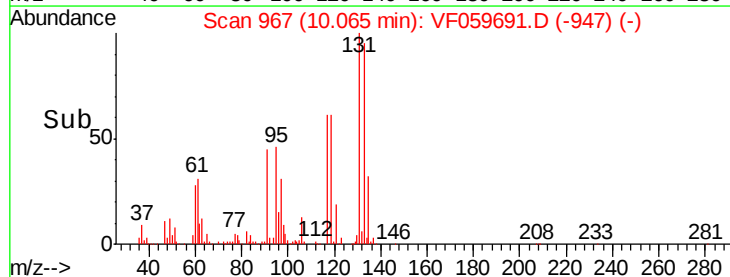
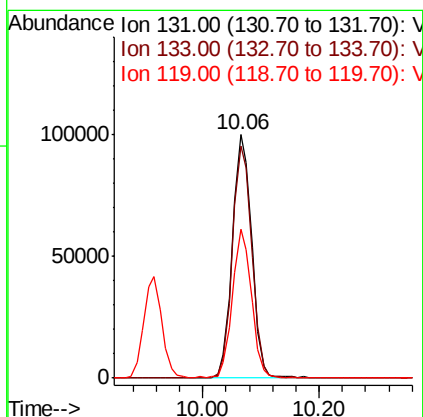
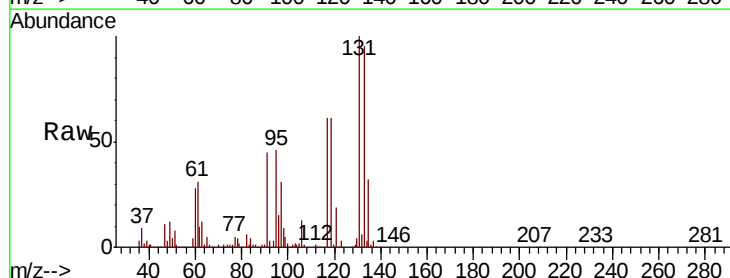
Instrument :
MSVOA_F
ClientSampled :

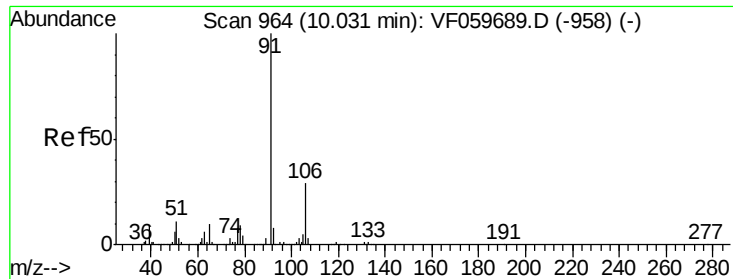
Tot Ion:112 Resp: 486884
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 91.000 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion:131 Resp: 230981
Ion Ratio Lower Upper
131 100
133 95.5 48.5 145.5
119 61.4 30.3 90.8

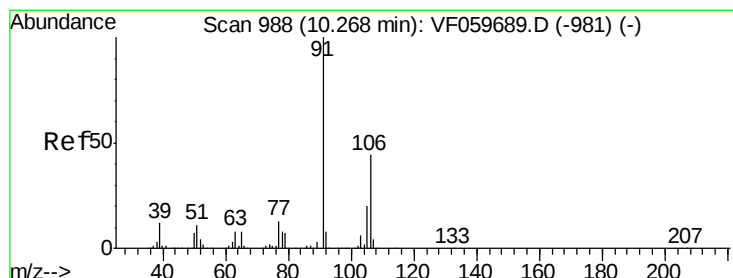
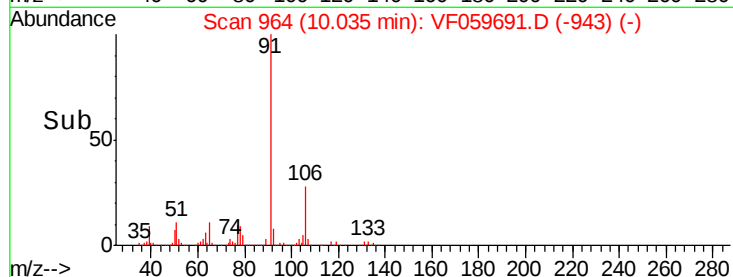
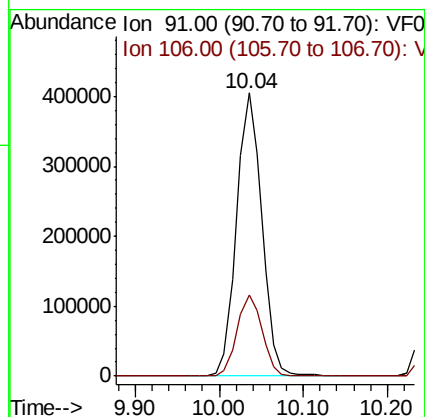
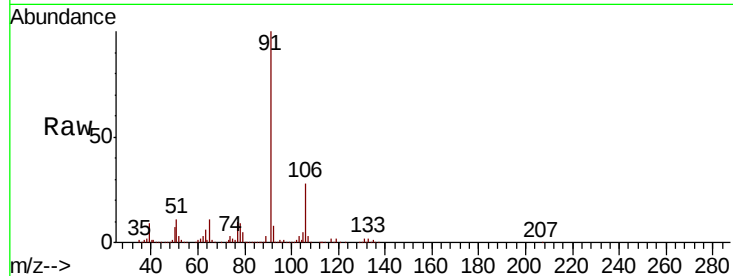




#67
Ethyl Benzene
Concen: 84.788 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

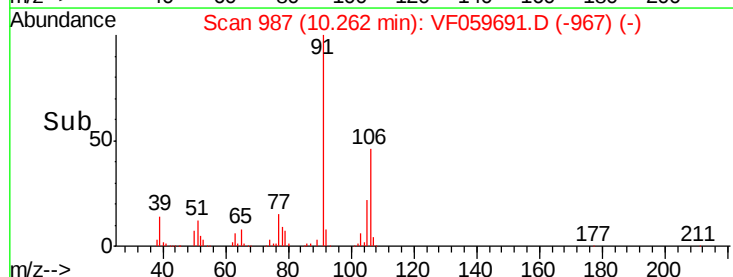
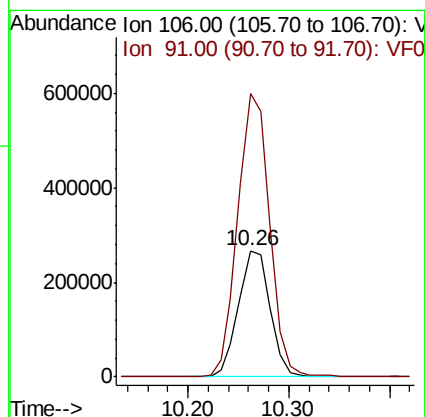
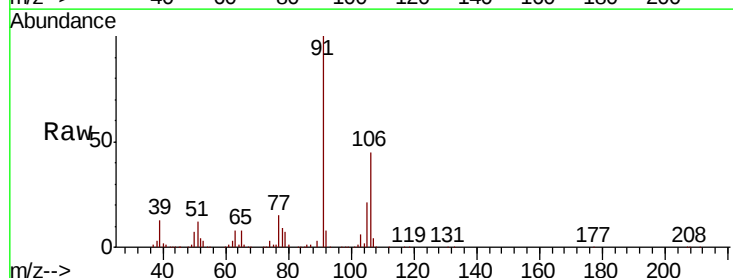
Instrument :
MSVOA_F
ClientSampleId :

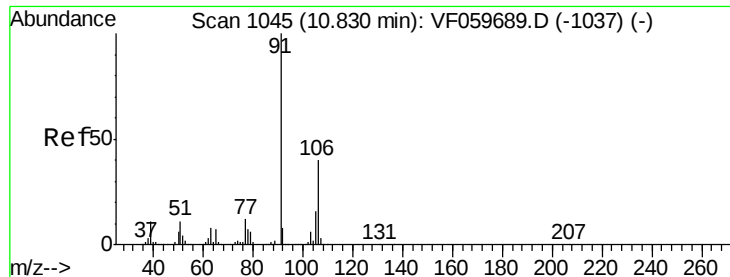
Tot Ion: 91 Resp: 847941
Ion Ratio Lower Upper
91 100
106 28.5 22.9 34.3



#68
m/p-Xylenes
Concen: 169.979 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion:106 Resp: 588290
Ion Ratio Lower Upper
106 100
91 224.6 181.7 272.5

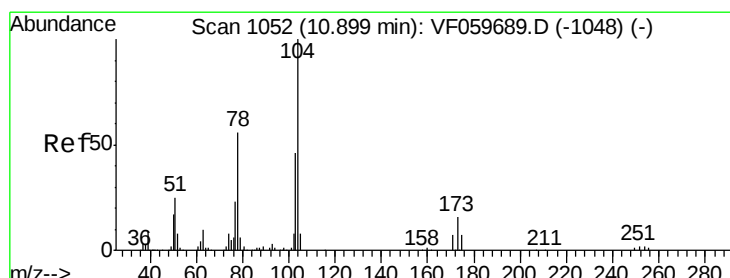
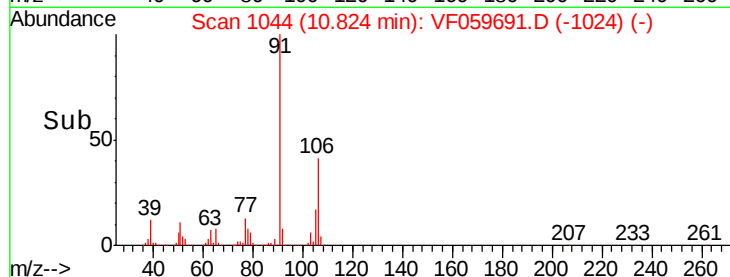
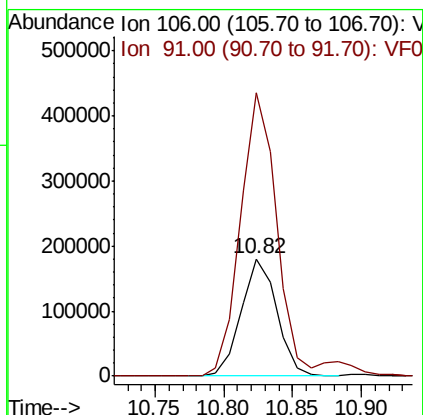
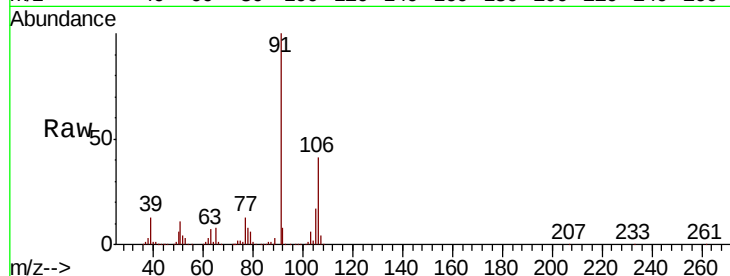




#69
o-Xylene
Concen: 87.723 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

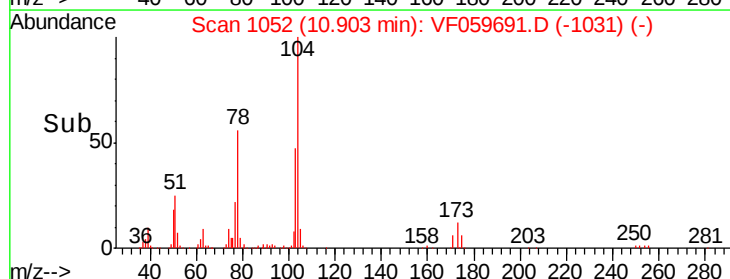
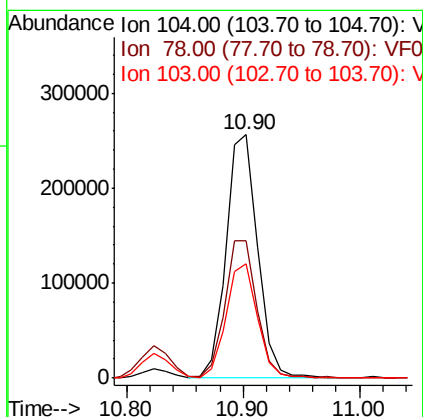
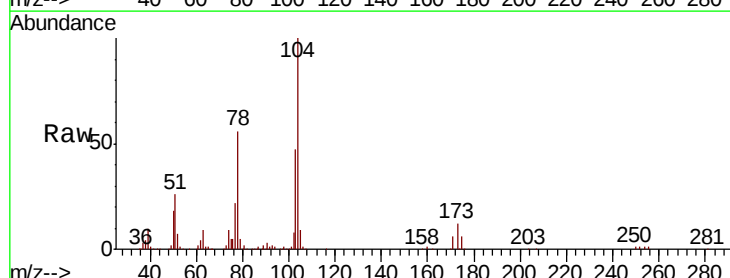
Instrument :
MSVOA_F
ClientSampleId :

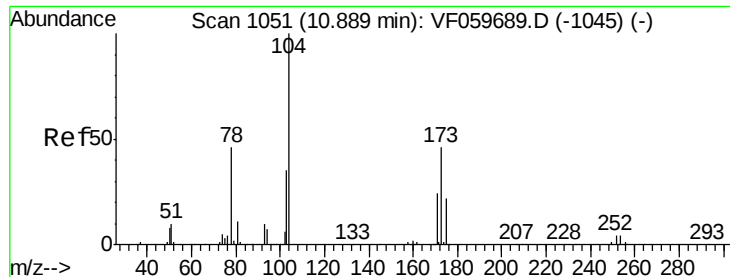
Tot Ion:106 Resp: 327873
Ion Ratio Lower Upper
106 100
91 241.6 124.6 373.7



#70
Styrene
Concen: 87.754 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion:104 Resp: 476992
Ion Ratio Lower Upper
104 100
78 56.2 45.3 67.9
103 46.9 36.6 54.8





#71

Bromoform

Concen: 102.007 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

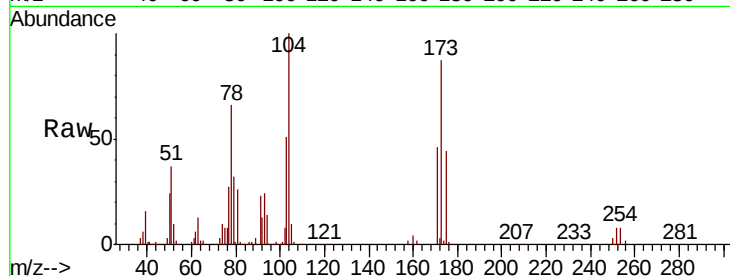
Tot Ion:173 Resp: 159659

Ion Ratio Lower Upper

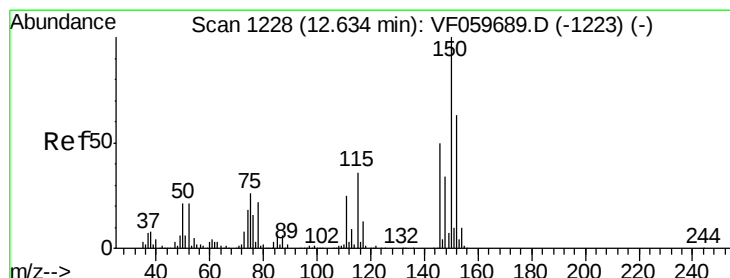
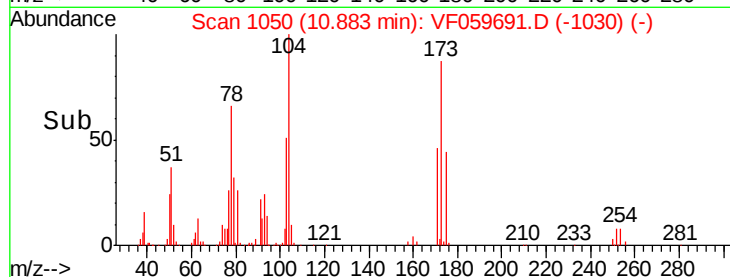
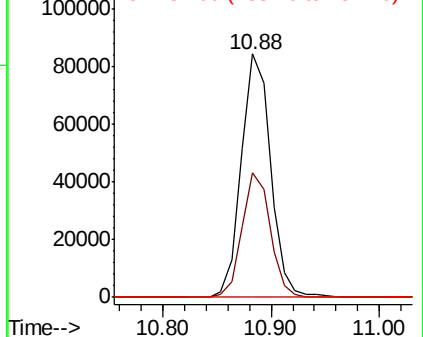
173 100

175 51.1 23.4 70.0

254 0.0 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: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

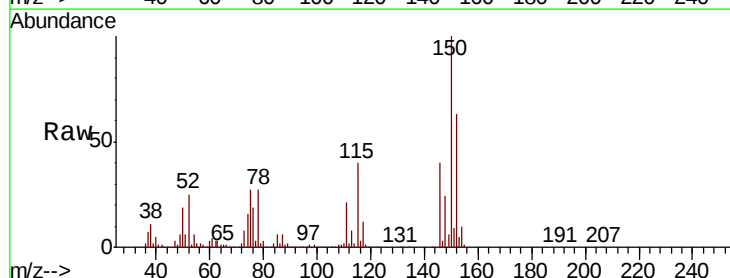
Tgt Ion:152 Resp: 176744

Ion Ratio Lower Upper

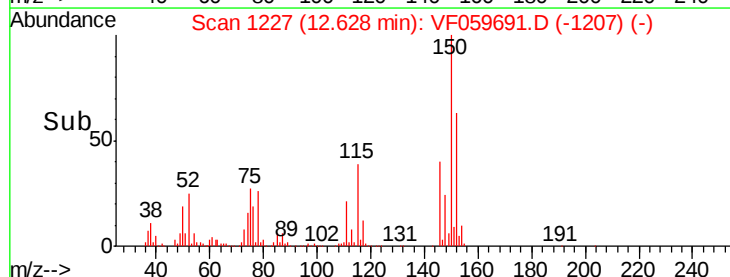
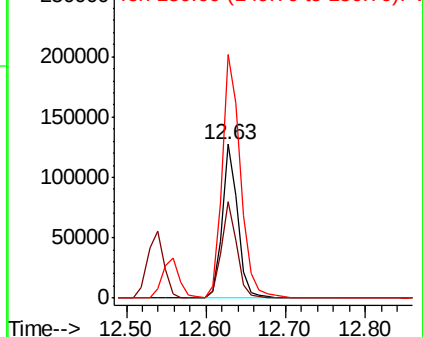
152 100

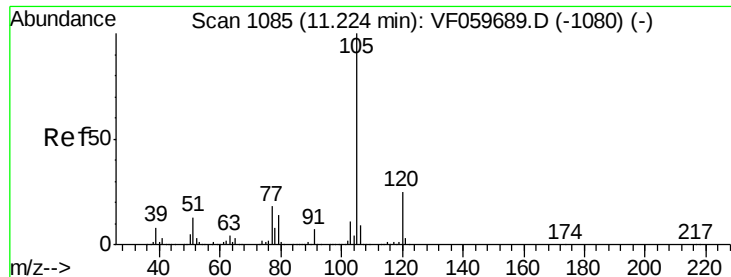
115 62.5 28.2 84.6

150 158.2 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 85.952 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

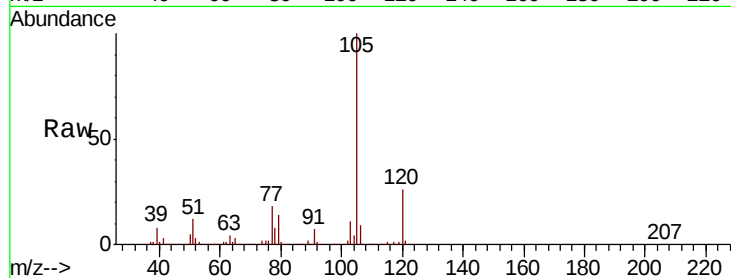
ClientSampleId :

Tot Ion:105 Resp: 1036930

Ion Ratio Lower Upper

105 100

120 25.9 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

600000

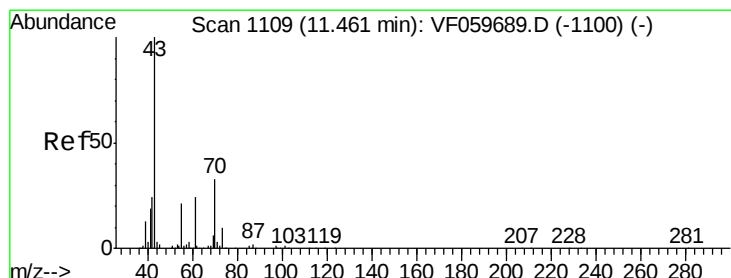
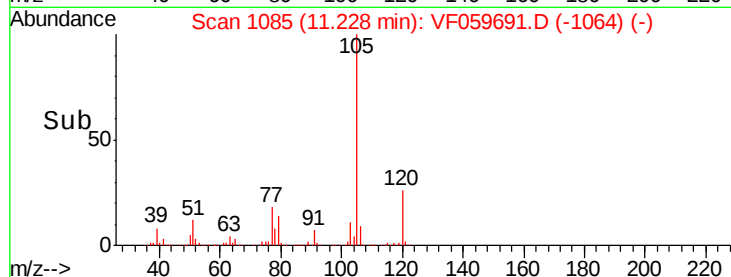
400000

200000

0

Time-->

11.20 11.40



#74

N-ethyl acetate

Concen: 111.879 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion: 43 Resp: 276623

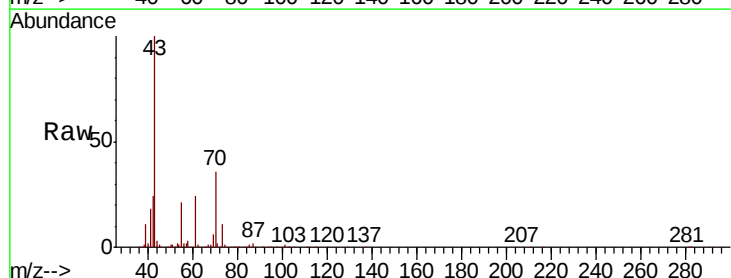
Ion Ratio Lower Upper

43 100

70 36.1 26.3 39.5

55 21.0 16.6 25.0

61 24.2 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250000

200000

150000

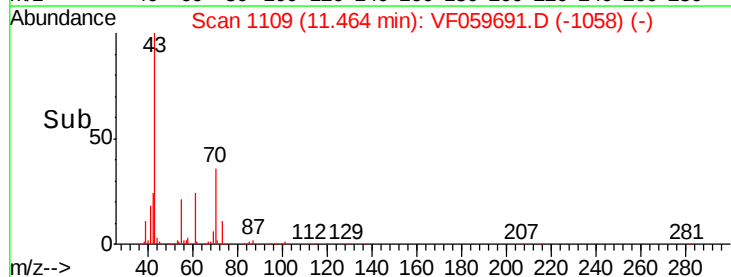
100000

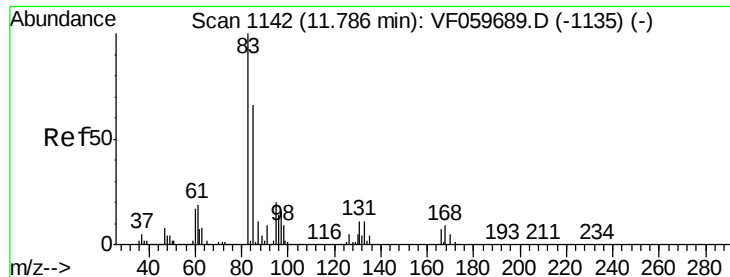
50000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 101.522 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

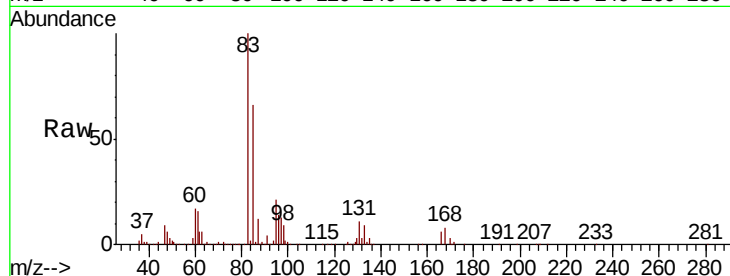
Tot Ion: 83 Resp: 201123

Ion Ratio Lower Upper

83 100

131 11.0 5.8 17.3

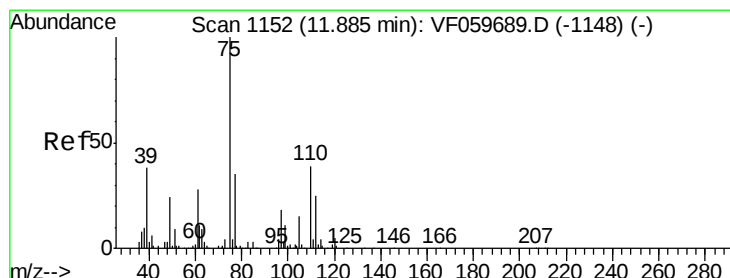
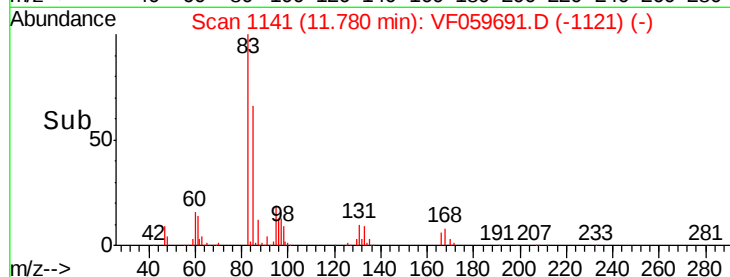
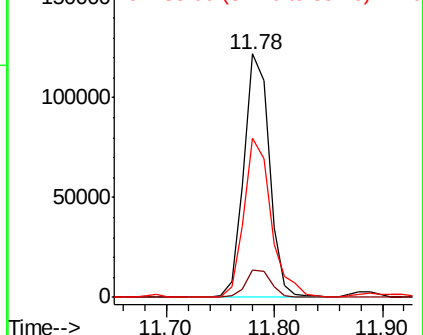
85 65.5 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 101.364 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059691.D

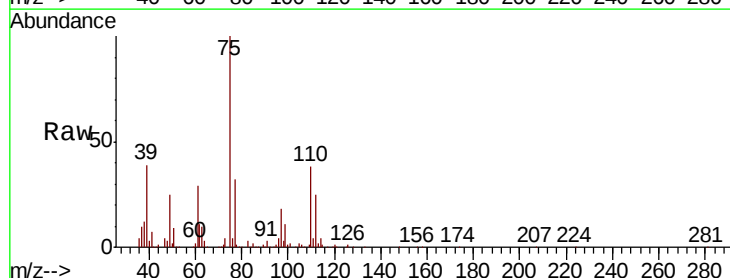
Acq: 30 Jul 2018 16:25

Tgt Ion: 75 Resp: 164923

Ion Ratio Lower Upper

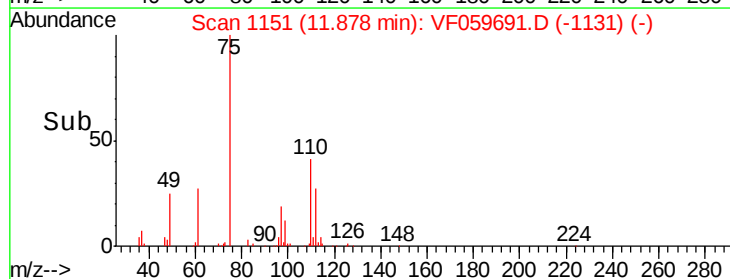
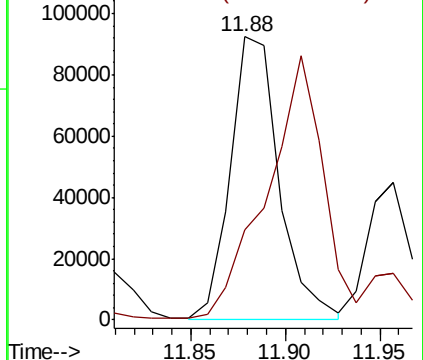
75 100

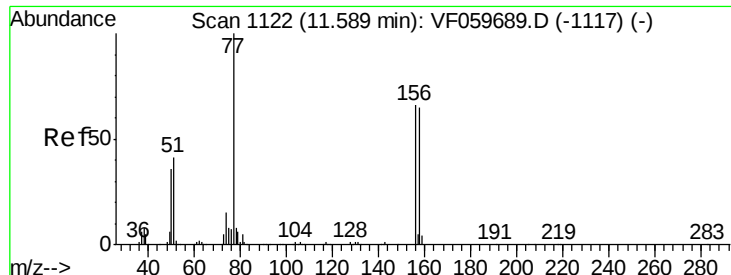
77 31.7 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 92.311 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

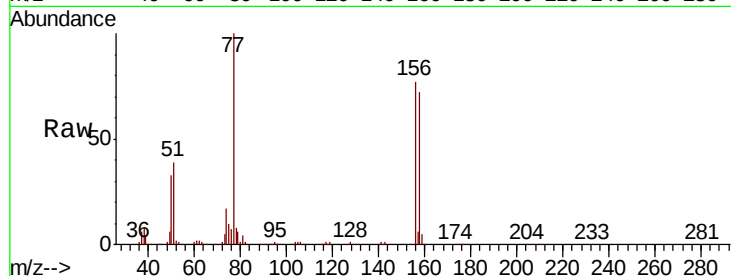
Tot Ion:156 Resp: 270310

Ion Ratio Lower Upper

156 100

77 130.4 75.2 225.6

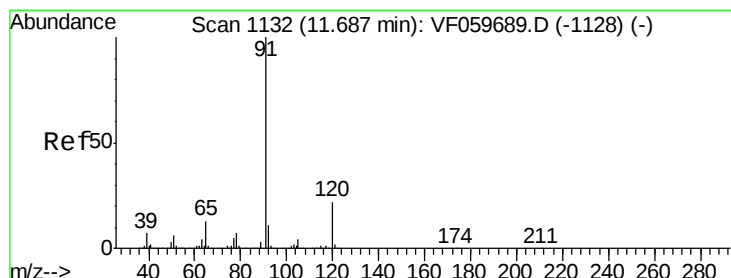
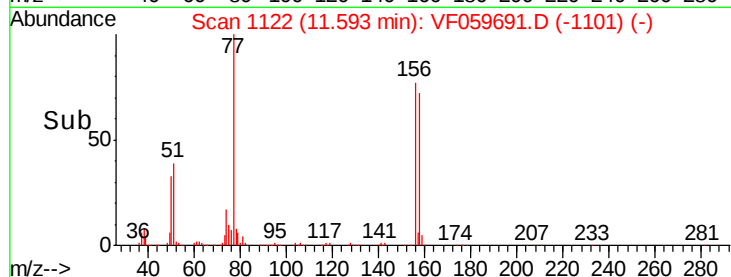
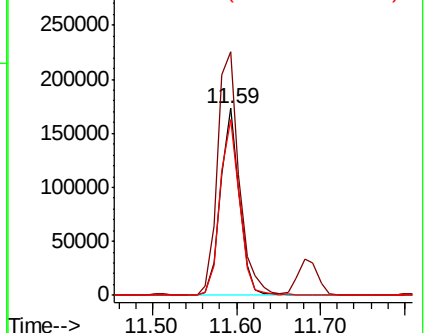
158 94.0 49.1 147.3



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: 83.230 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059691.D

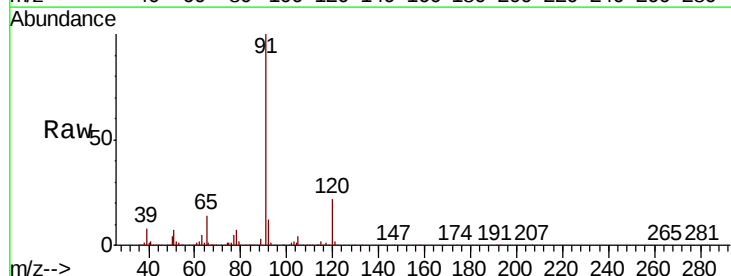
Acq: 30 Jul 2018 16:25

Tgt Ion: 91 Resp: 1156815

Ion Ratio Lower Upper

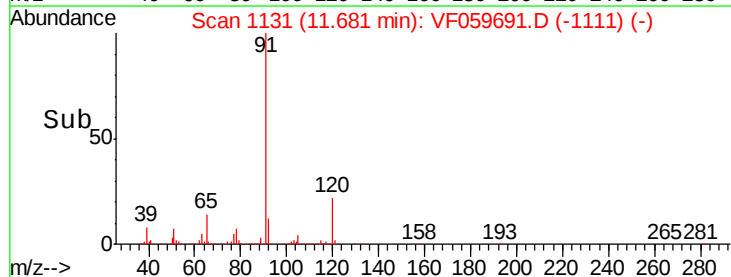
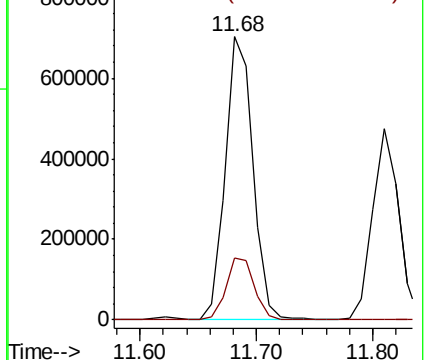
91 100

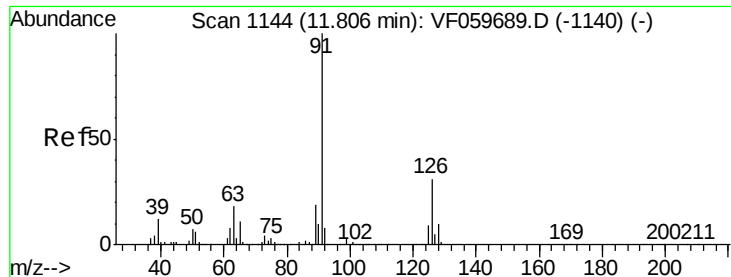
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 86.964 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

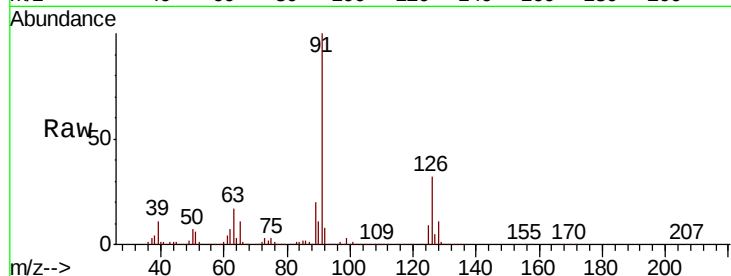
ClientSampled :

Tot Ion: 91 Resp: 735597

Ion Ratio Lower Upper

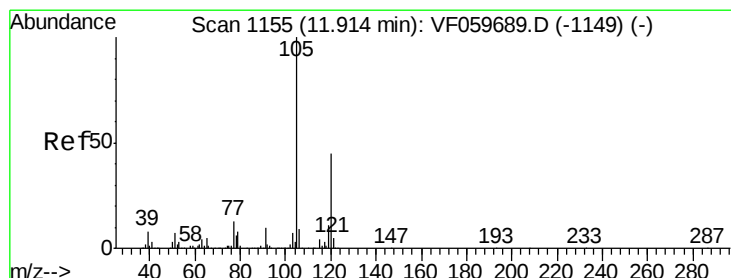
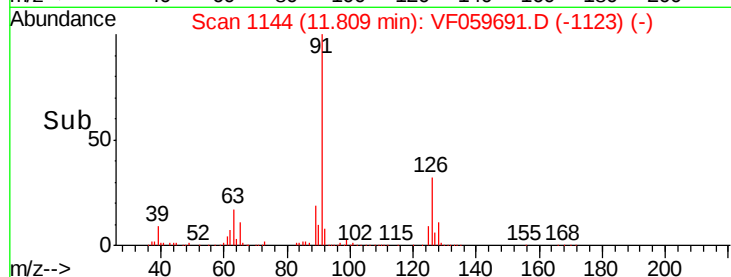
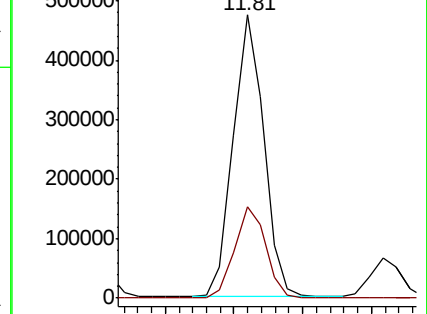
91 100

126 32.1 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 85.282 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059691.D

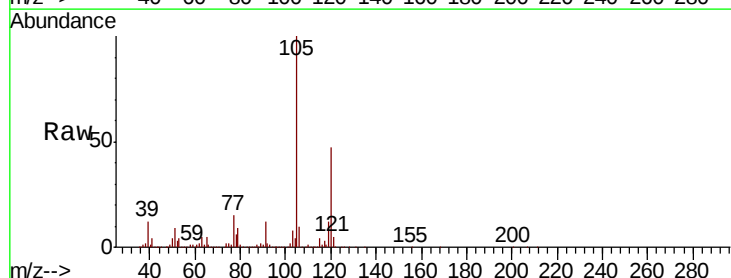
Acq: 30 Jul 2018 16:25

Tgt Ion:105 Resp: 903065

Ion Ratio Lower Upper

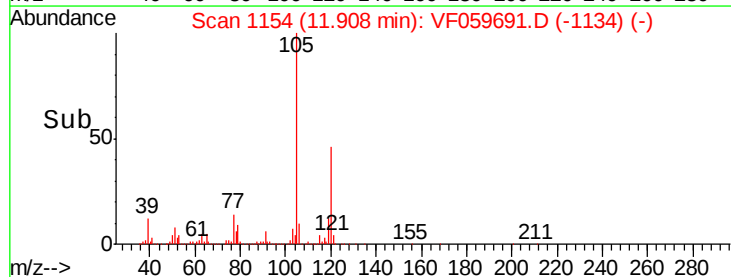
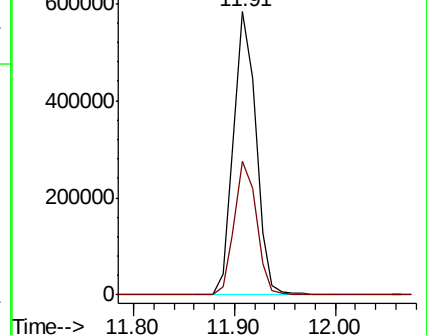
105 100

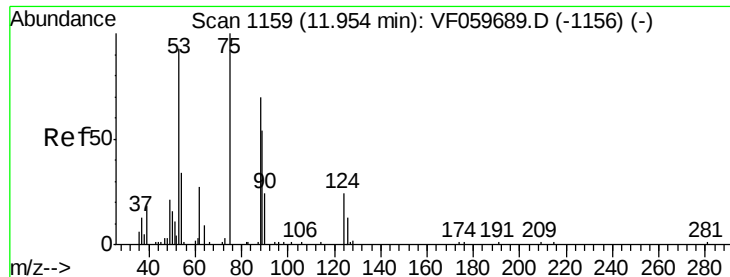
120 47.2 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.659 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

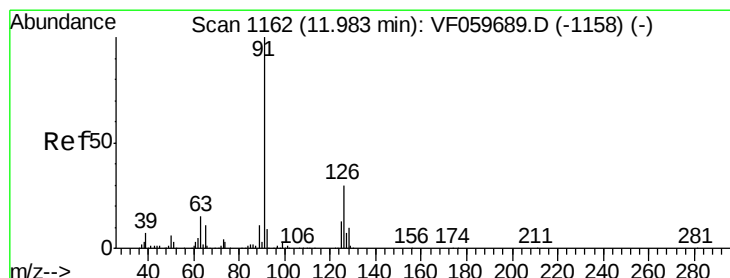
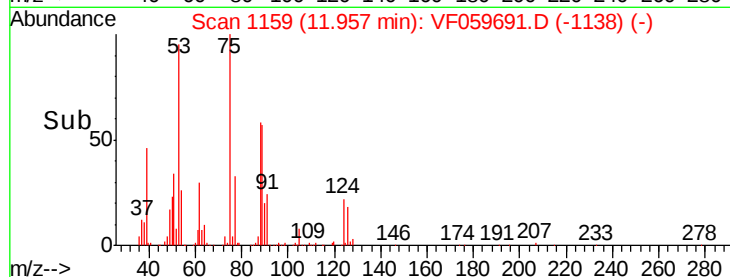
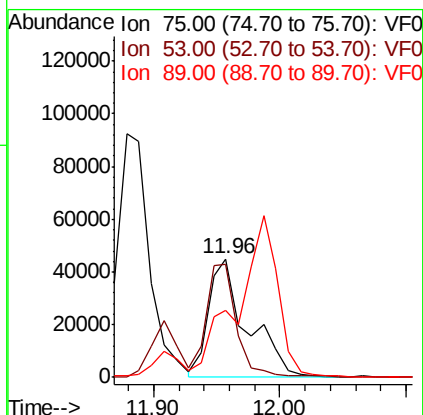
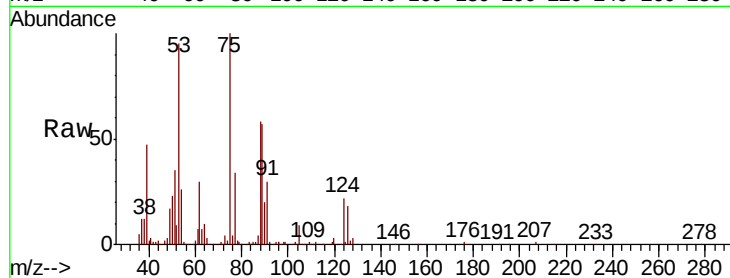
Tot Ion: 75 Resp: 96021

Ion Ratio Lower Upper

75 100

53 95.2 78.3 117.5

89 57.0 45.4 68.2



#82

4-Chlorotoluene

Concen: 86.742 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059691.D

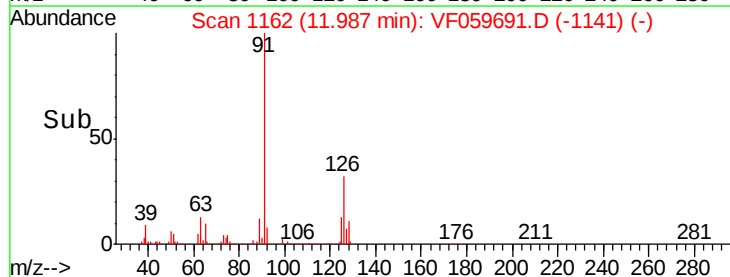
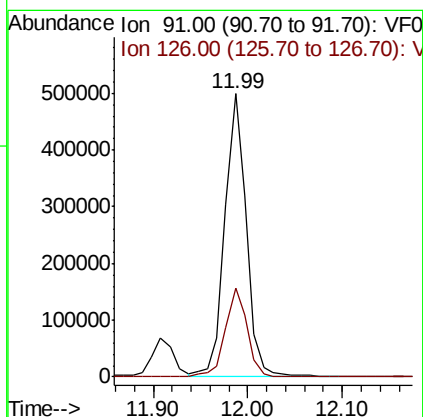
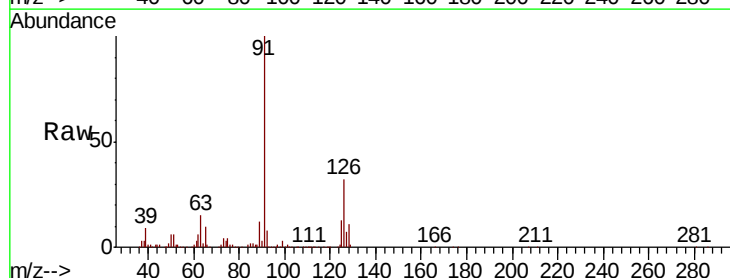
Acq: 30 Jul 2018 16:25

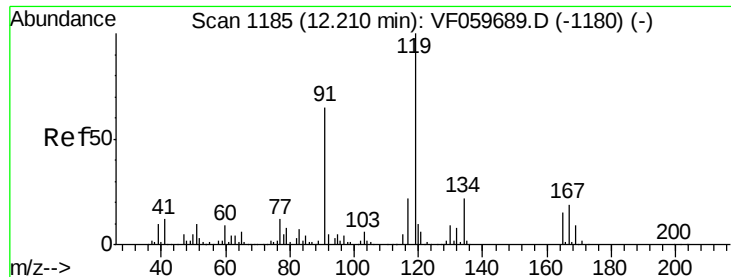
Tgt Ion: 91 Resp: 773104

Ion Ratio Lower Upper

91 100

126 31.6 15.2 45.6

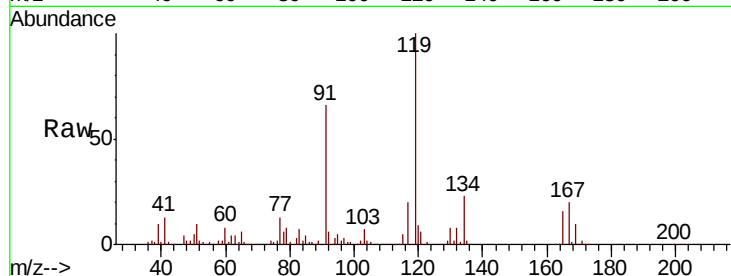




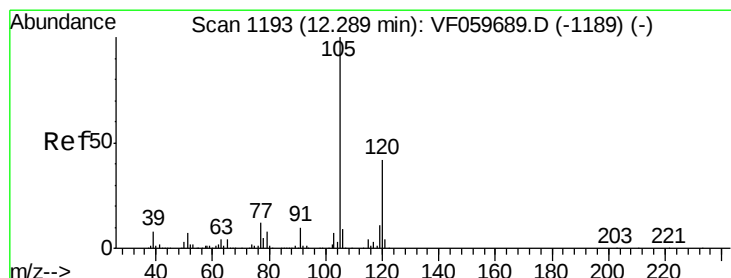
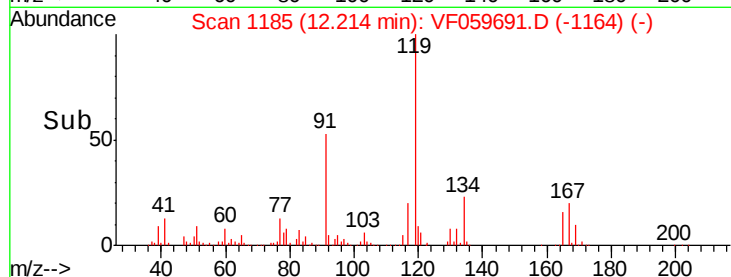
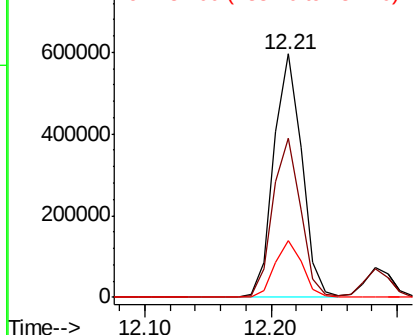
#83
 tert-Butylbenzene
 Concen: 86.636 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 927111
 Ion Ratio Lower Upper
 119 100
 91 65.5 32.8 98.4
 134 23.2 10.9 32.7

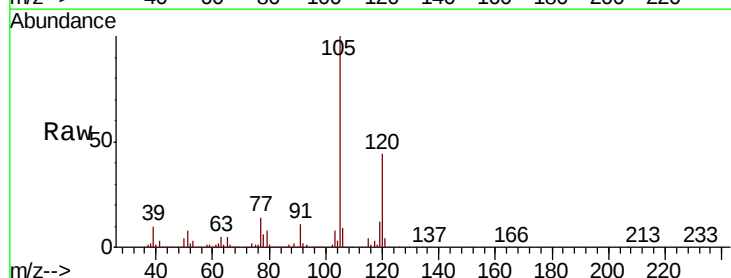


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

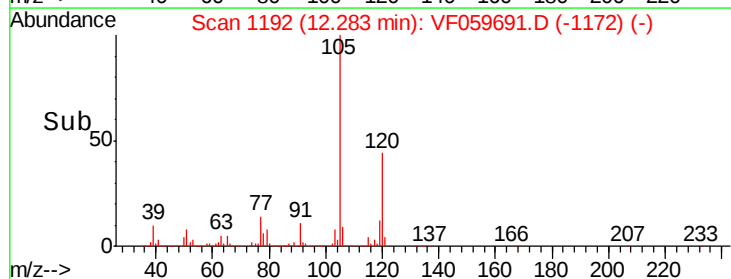
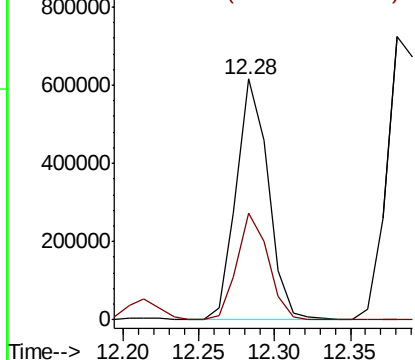


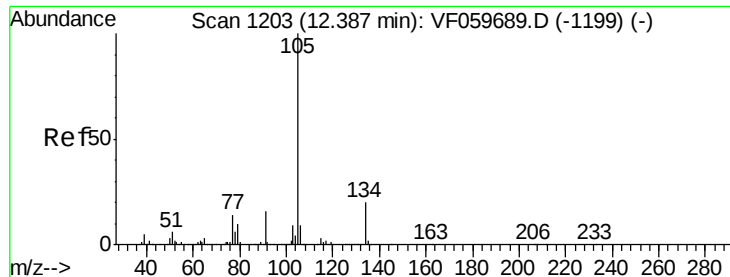
#84
 1,2,4-Trimethylbenzene
 Concen: 83.539 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion:105 Resp: 908911
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.1 63.3



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





#85

sec-Butylbenzene

Concen: 82.706 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

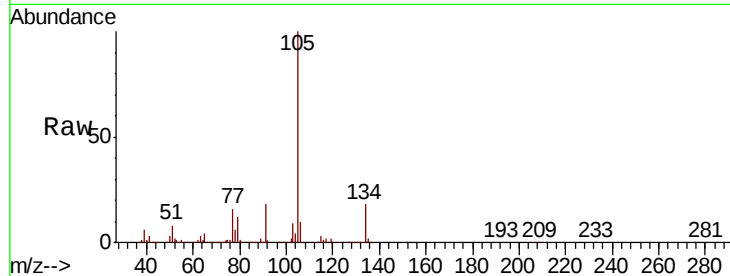
ClientSampled :

Tot Ion:105 Resp: 1164436

Ion Ratio Lower Upper

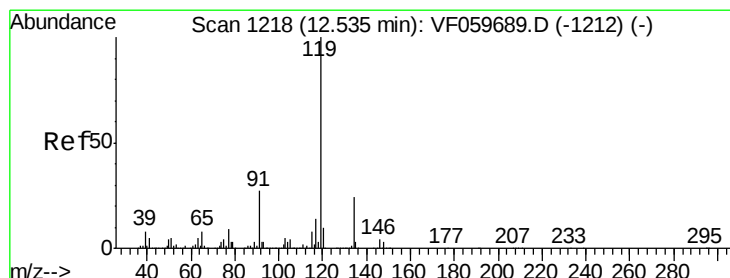
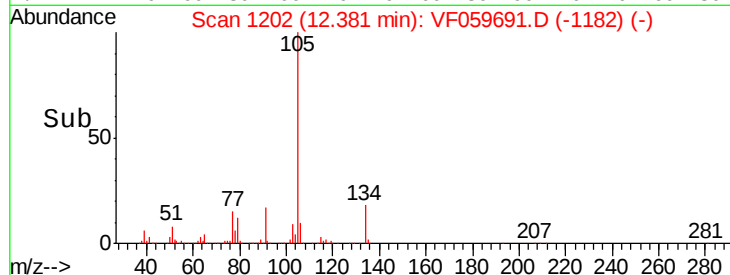
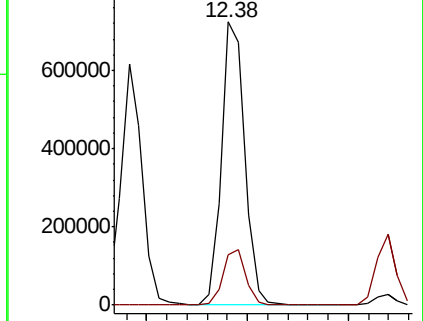
105 100

134 18.0 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 83.972 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

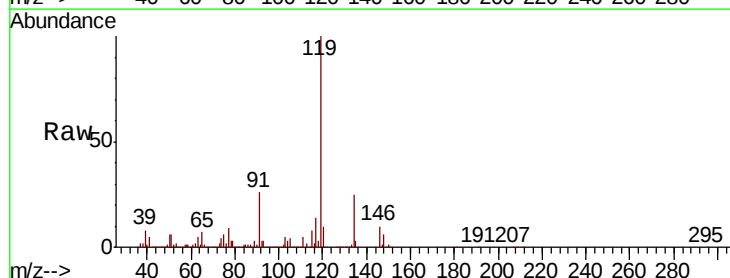
Tgt Ion:119 Resp: 1016627

Ion Ratio Lower Upper

119 100

134 25.4 12.2 36.6

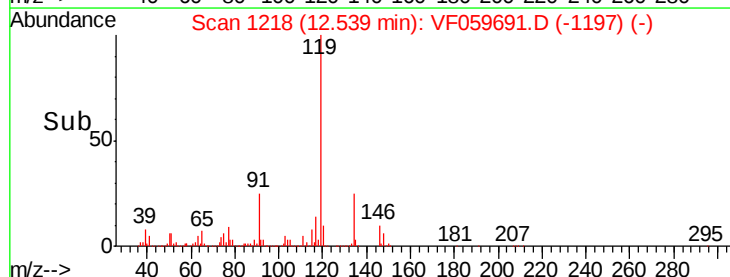
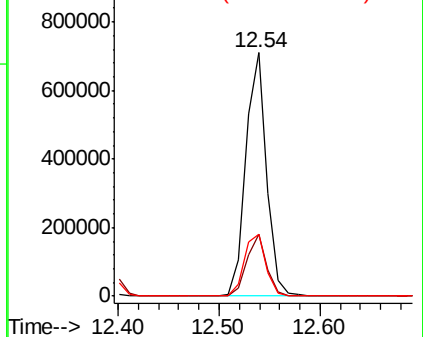
91 25.6 13.4 40.2

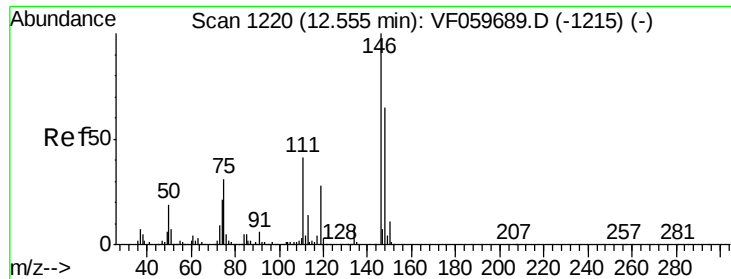


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

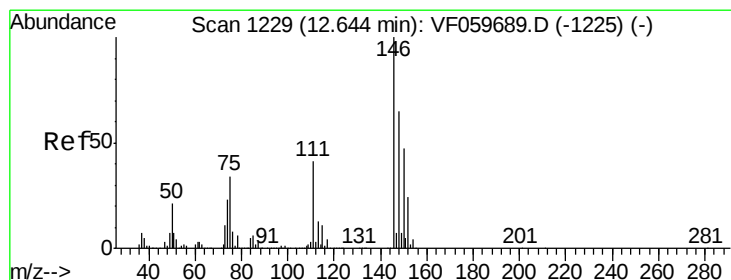
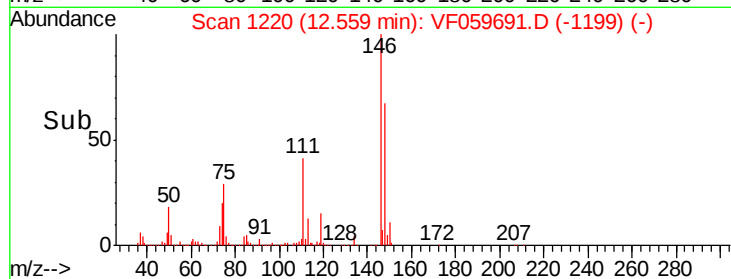
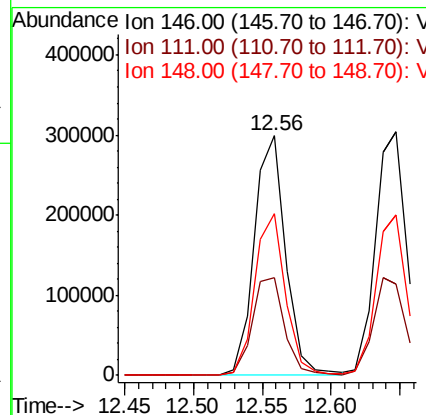
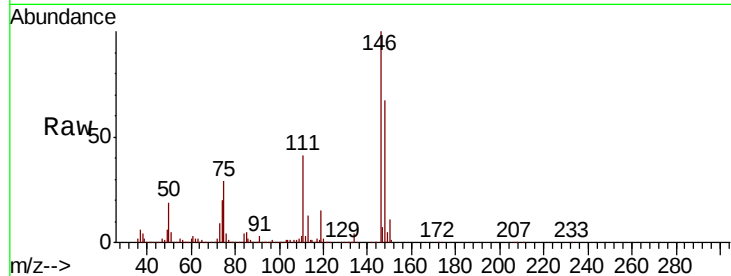




#87
 1,3-Dichlorobenzene
 Concen: 83.647 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

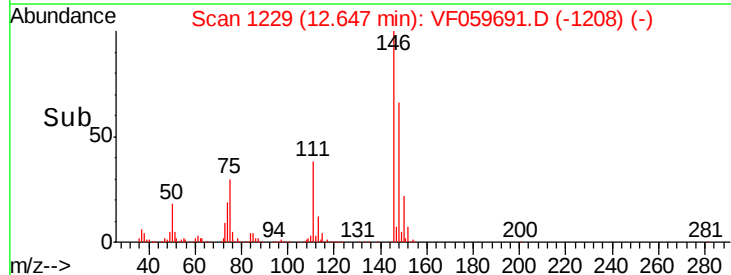
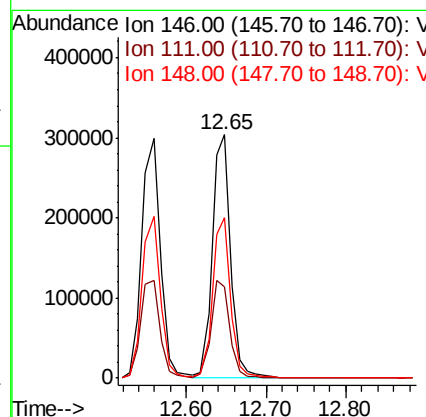
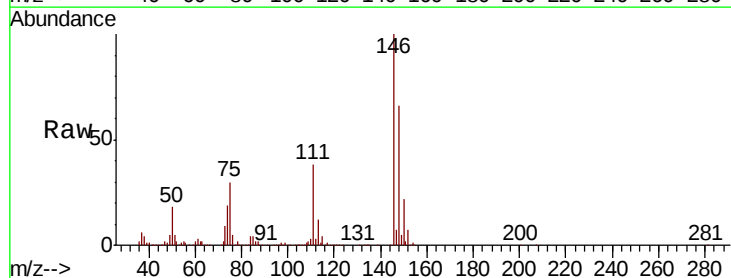
Instrument :
 MSVOA_F
 ClientSampleId :

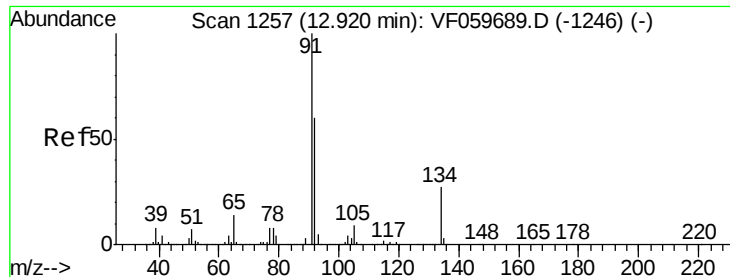
Tot Ion:146 Resp: 477640
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.7 62.1
 148 67.4 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 90.173 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion:146 Resp: 490543
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.8 62.2
 148 65.8 32.3 96.9





#89

n-Butylbenzene

Concen: 83.216 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampled :

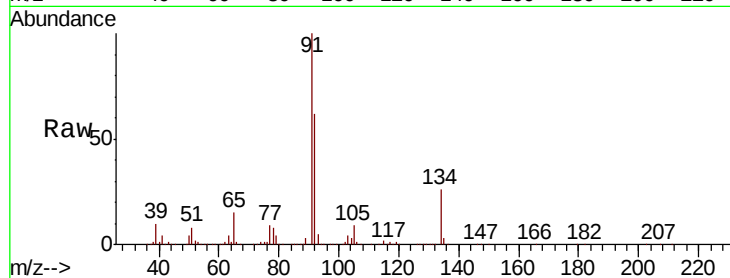
Tot Ion: 91 Resp: 974306

Ion Ratio Lower Upper

91 100

92 61.6 30.1 90.3

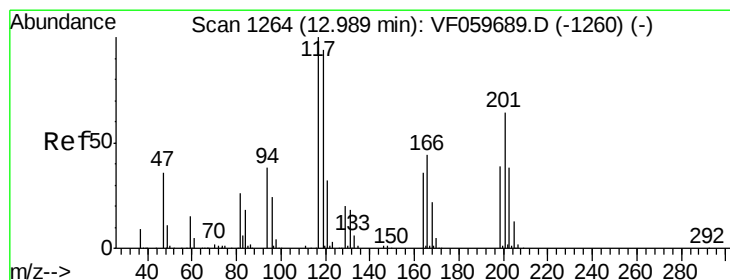
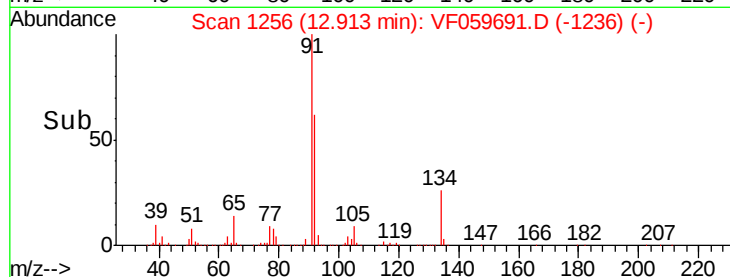
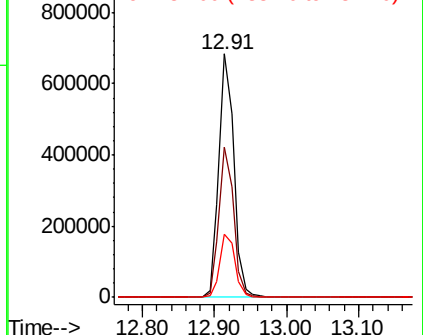
134 26.2 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 87.229 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059691.D

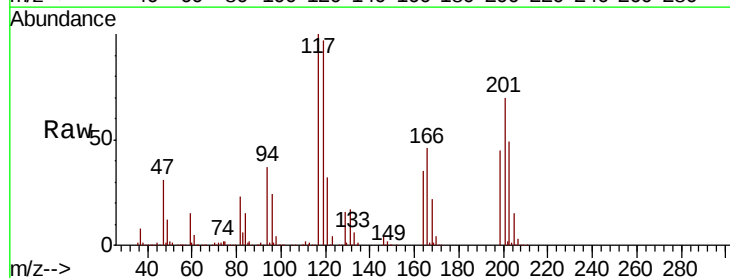
Acq: 30 Jul 2018 16:25

Tgt Ion: 117 Resp: 268824

Ion Ratio Lower Upper

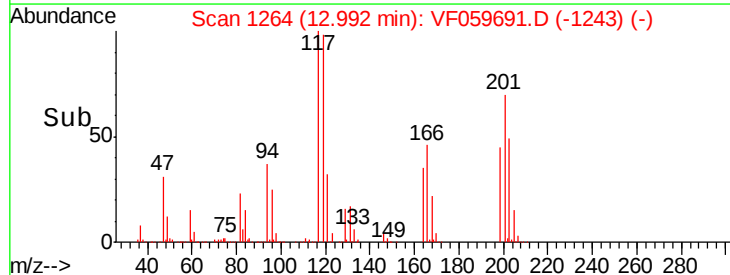
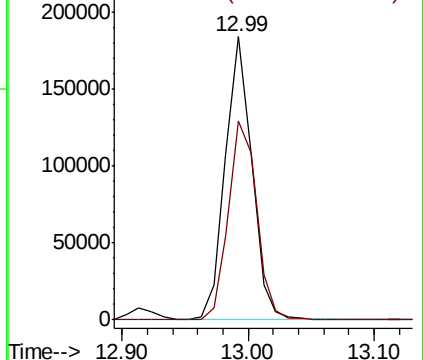
117 100

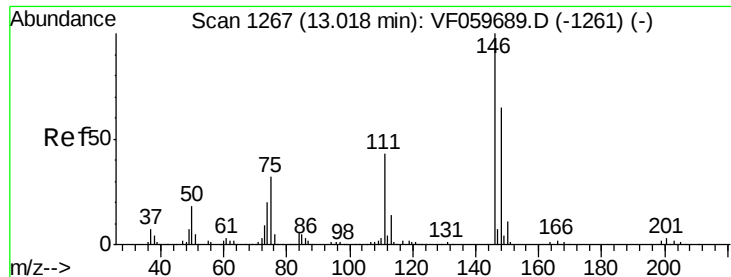
201 70.1 31.9 95.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 87.112 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

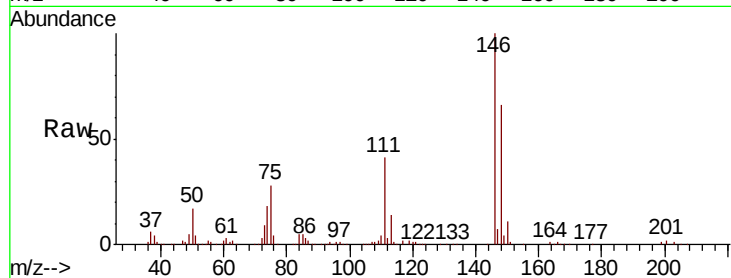
Tot Ion:146 Resp: 462462

Ion Ratio Lower Upper

146 100

111 41.0 21.6 65.0

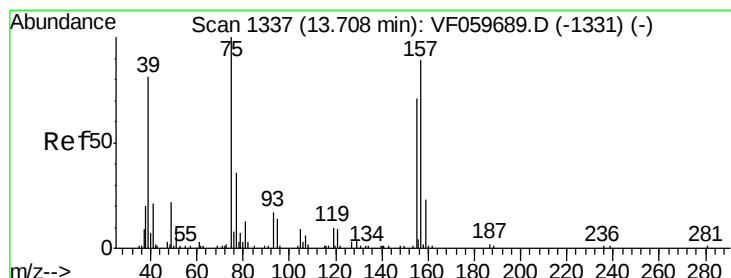
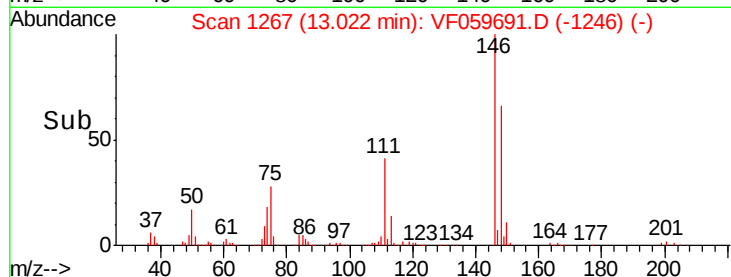
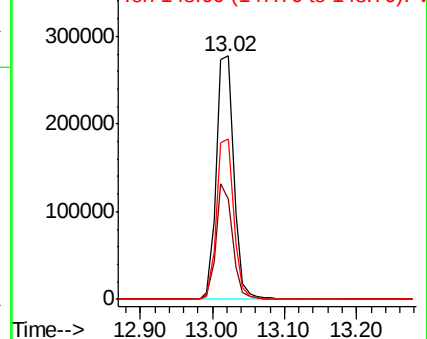
148 66.1 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 109.703 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

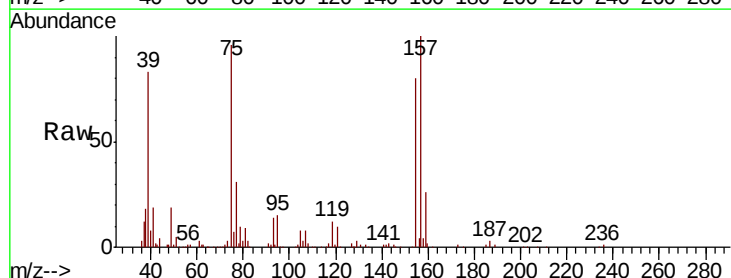
Tgt Ion: 75 Resp: 52859

Ion Ratio Lower Upper

75 100

155 83.7 35.4 106.2

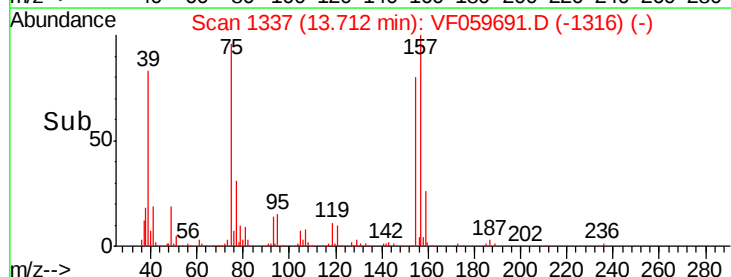
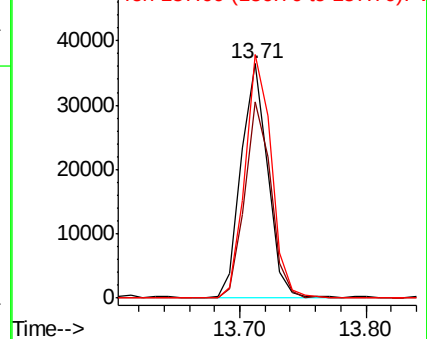
157 104.0 44.4 133.2

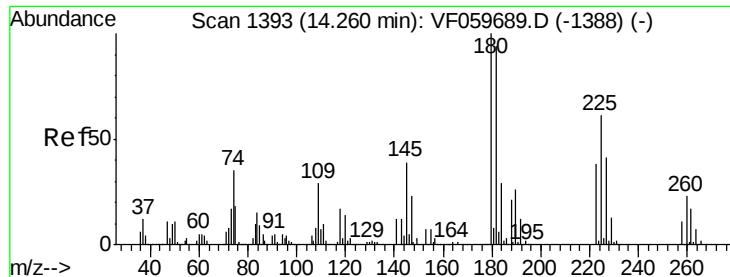


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 87.101 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

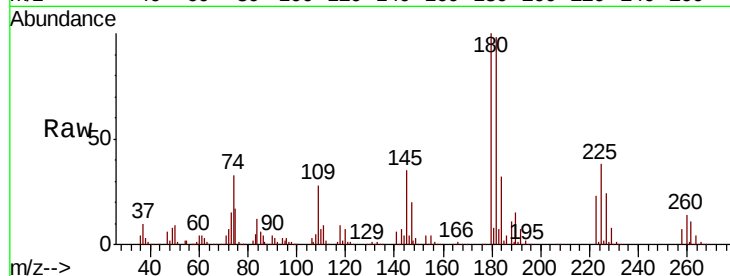
Tot Ion:180 Resp: 370579

Ion Ratio Lower Upper

180 100

182 98.4 47.2 141.6

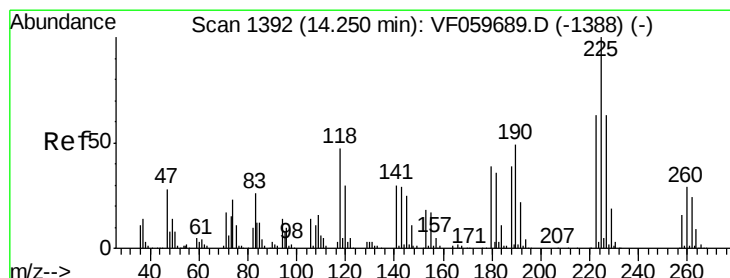
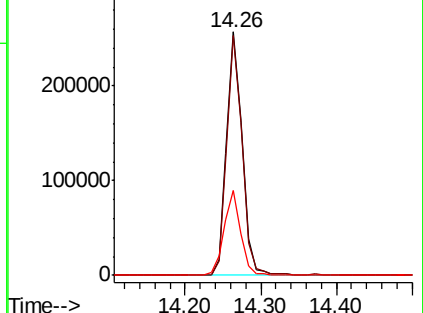
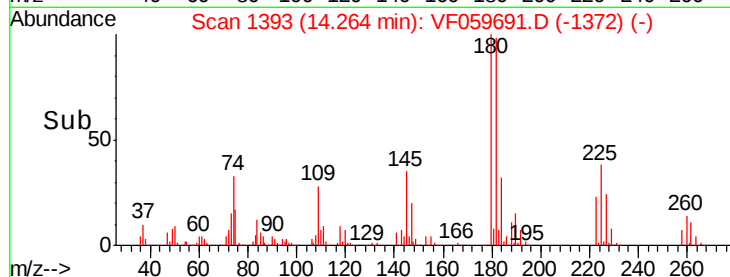
145 34.6 19.3 57.9



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: 83.748 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

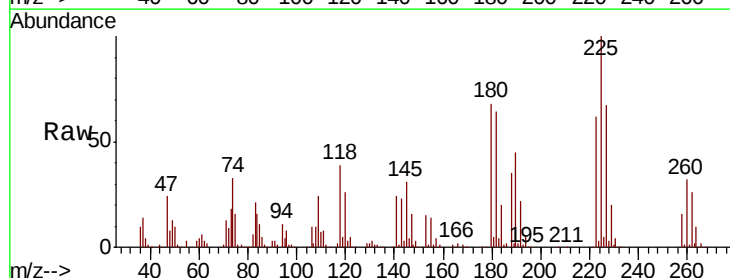
Tgt Ion:225 Resp: 262137

Ion Ratio Lower Upper

225 100

223 62.3 31.4 94.2

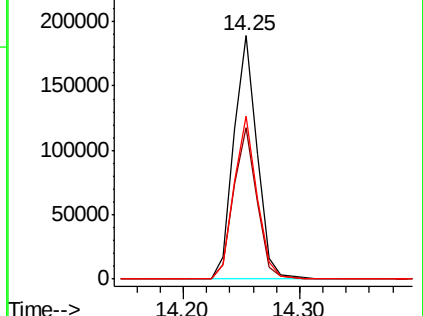
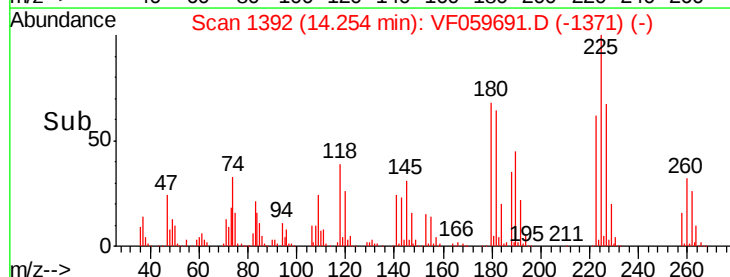
227 66.8 31.5 94.5

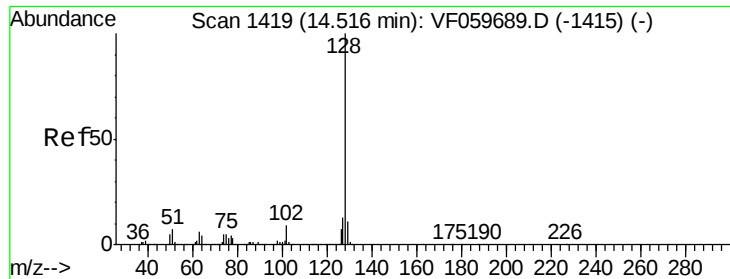


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 108.097 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

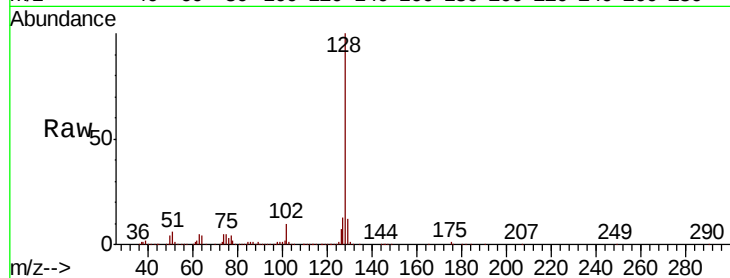
Tot Ion:128 Resp: 732824

Ion Ratio Lower Upper

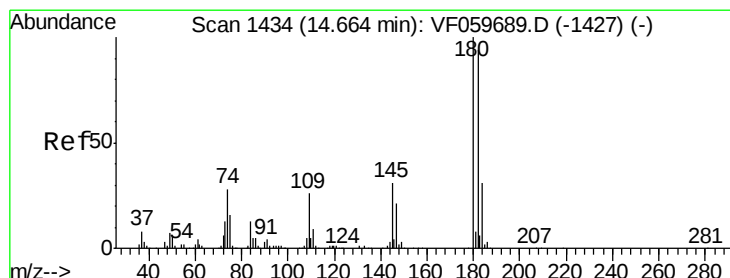
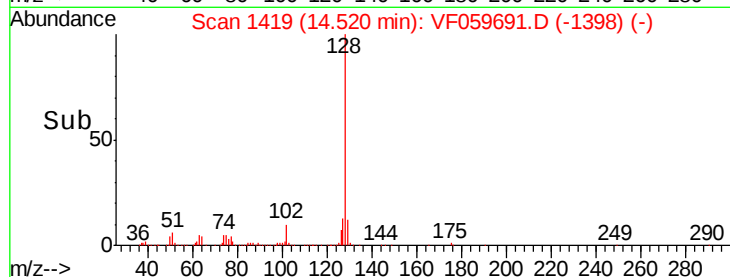
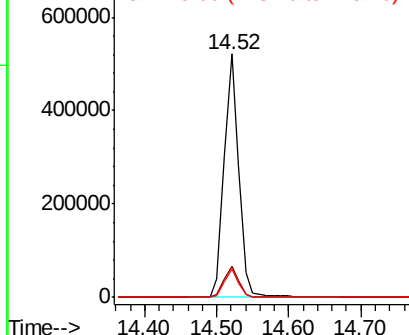
128 100

127 12.8 10.0 15.0

129 11.6 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 94.575 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

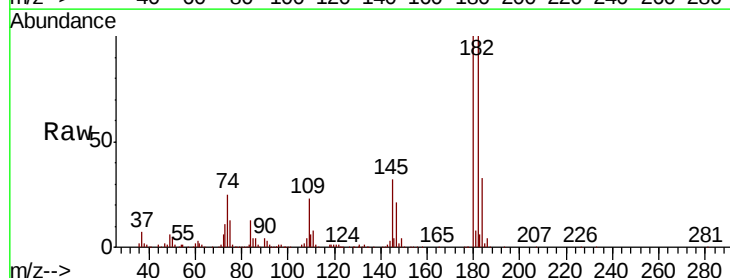
Tgt Ion:180 Resp: 365761

Ion Ratio Lower Upper

180 100

182 99.5 47.2 141.6

145 31.7 15.6 46.7



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

