

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059689.D
 Acq On : 30 Jul 2018 15:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:51:05 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	5.03	168	212027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	288674	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	288881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	193328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178905	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	4.28	113	142448	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	7.71	98	328640	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.51	95	185870	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.98	85	109756	50.130	ug/l 100
3) Chloromethane	1.08	50	58906	47.591	ug/l 100
4) Vinyl Chloride	1.15	62	60393	46.091	ug/l 100
5) Bromomethane	1.34	94	51906	45.509	ug/l 100
6) Chloroethane	1.42	64	36621	44.797	ug/l 100
7) Trichlorofluoromethane	1.53	101	111832	28.383	ug/l 100
8) Diethyl Ether	1.70	74	30730	55.054	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	94760	45.236	ug/l 100
10) Methyl Iodide	1.96	142	139493	45.498	ug/l 100
11) Tert butyl alcohol	2.68	59	34282	239.797	ug/l 100
12) 1,1-Dichloroethene	1.85	96	67624	43.634	ug/l 100
13) Acrolein	2.09	56	21203	335.097	ug/l 100
14) Allyl chloride	2.18	41	110708	43.670	ug/l 100
15) Acrylonitrile	3.07	53	54060	248.076	ug/l 100
16) Acetone	2.33	43	155531	256.320	ug/l 100
17) Carbon Disulfide	1.88	76	91058	24.170	ug/l 100
18) Methyl Acetate	2.44	43	47240	46.508	ug/l 100
19) Methyl tert-butyl Ether	2.53	73	226422	52.279	ug/l 100
20) Methylene Chloride	2.27	84	36294	16.242	ug/l 100
21) trans-1,2-Dichloroethene	2.41	96	64039	40.287	ug/l 100
22) Diisopropyl ether	2.92	45	245421	48.431	ug/l 100
23) Vinyl Acetate	3.33	43	672467	267.687	ug/l 100
24) 1,1-Dichloroethane	2.99	63	167002	46.319	ug/l 100
25) 2-Butanone	4.50	43	211914	316.973	ug/l 100
26) 2,2-Dichloropropane	3.75	77	124689	42.515	ug/l 100
27) cis-1,2-Dichloroethene	3.63	96	92596	49.663	ug/l 100
28) Bromochloromethane	3.88	49	65446	49.273	ug/l 100
29) Tetrahydrofuran	4.26	42	64331	239.737	ug/l 100
30) Chloroform	4.03	83	245061	48.116	ug/l 100
31) Cyclohexane	3.86	56	84554	40.815	ug/l 100
32) 1,1,1-Trichloroethane	4.26	97	185897	44.496	ug/l 100
36) 1,1-Dichloropropene	4.45	75	141173	45.087	ug/l 100
37) Ethyl Acetate	4.29	43	73460	53.782	ug/l 100
38) Carbon Tetrachloride	4.17	117	224865	48.948	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	108943	42.751	ug/l	100
40) Benzene	4.81	78	253012	45.495	ug/l	100
41) Methacrylonitrile	4.92	41	36859	54.801	ug/l	100
42) 1,2-Dichloroethane	5.11	62	188822	52.179	ug/l	100
43) Isopropyl Acetate	7.11	43	77047	54.479	ug/l	100
44) Trichloroethene	5.67	130	100080	46.464	ug/l	100
45) 1,2-Dichloropropane	6.39	63	73243	49.557	ug/l	100
46) Dibromomethane	6.25	93	69017	53.777	ug/l	100
47) Bromodichloromethane	6.54	83	188501	50.130	ug/l	100
48) Methyl methacrylate	6.87	41	61363	55.284	ug/l	100
49) 1,4-Dioxane	6.86	88	7262	819.844	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	317060	278.587	ug/l	100
52) Toluene	7.77	92	188972	45.746	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	157260	52.286	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	161109	51.624	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	74537	54.327	ug/l	100
56) Ethyl methacrylate	8.76	69	83679	57.531	ug/l	100
57) 1,3-Dichloropropane	9.00	76	125469	52.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	41860	238.359	ug/l	100
59) 2-Hexanone	9.63	43	246081	291.490	ug/l	100
60) Dibromochloromethane	8.86	129	133352	53.876	ug/l	100
61) 1,2-Dibromoethane	9.13	107	85673	51.637	ug/l	100
64) Tetrachloroethene	8.31	164	93347	40.553	ug/l	100
65) Chlorobenzene	9.94	112	257475	45.873	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	125736	48.673	ug/l	100
67) Ethyl Benzene	10.03	91	463667	45.556	ug/l	100
68) m/p-Xylenes	10.27	106	314317	89.235	ug/l	100
69) o-Xylene	10.83	106	173822	45.696	ug/l	100
70) Styrene	10.90	104	258371	46.705	ug/l	100
71) Bromoform	10.89	173	84739	53.197	ug/l	100
73) Isopropylbenzene	11.22	105	578431	43.834	ug/l	100
74) N-amyl acetate	11.46	43	142049	52.523	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	108714	50.169	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	88474	49.713	ug/l	100
77) Bromobenzene	11.59	156	145806	45.522	ug/l	100
78) n-propylbenzene	11.69	91	645684	42.470	ug/l	100
79) 2-Chlorotoluene	11.81	91	405547	43.832	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	498182	43.011	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	50982	55.170	ug/l	100
82) 4-Chlorotoluene	11.98	91	426024	43.699	ug/l	100
83) tert-Butylbenzene	12.21	119	522749	44.659	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	512521	43.065	ug/l	100
85) sec-Butylbenzene	12.39	105	664544	43.151	ug/l	100
86) p-Isopropyltoluene	12.54	119	574892	43.412	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	272762	43.670	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	267946	45.029	ug/l	100
89) n-Butylbenzene	12.92	91	545977	42.632	ug/l	100
90) Hexachloroethane	12.99	117	144888	42.981	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	257672	44.373	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27717	52.589	ug/l	100

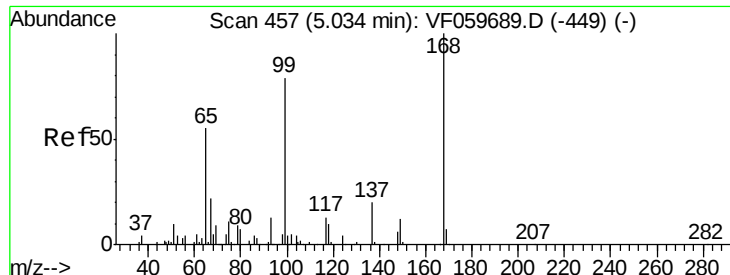
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	214848	46.166	ug/l	100
94) Hexachlorobutadiene	14.25	225	146500	42.789	ug/l	100
95) Naphthalene	14.52	128	389849	52.573	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	216119	51.088	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

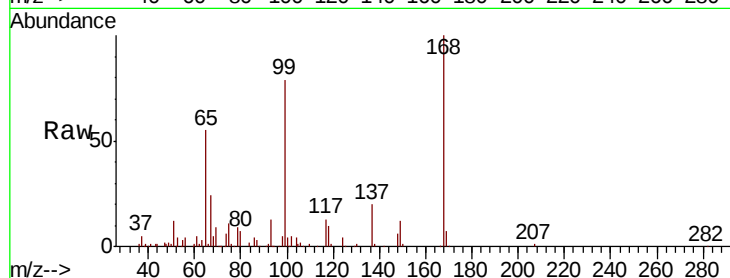
ClientSampleId :

Tot Ion:168 Resp: 212027

Ion Ratio Lower Upper

168 100

99 79.1 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

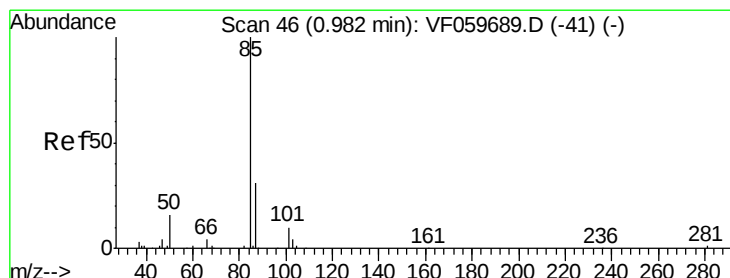
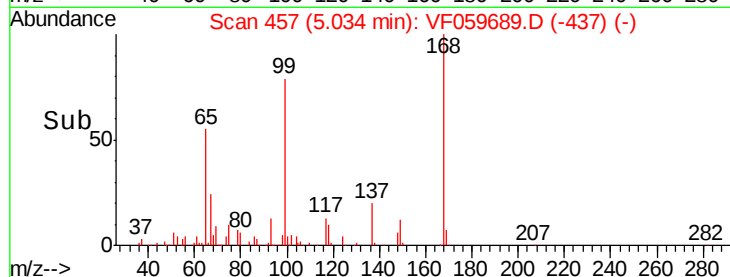
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 50.130 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059689.D

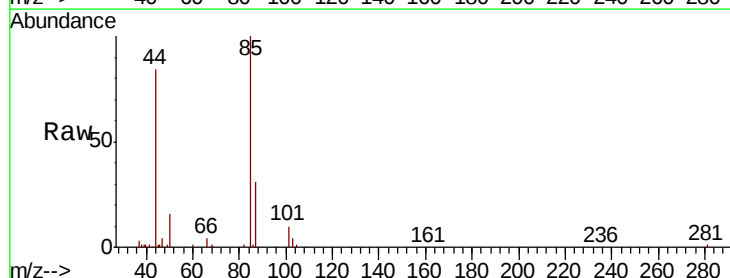
Acq: 30 Jul 2018 15:30

Tgt Ion: 85 Resp: 109756

Ion Ratio Lower Upper

85 100

87 30.5 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

30000

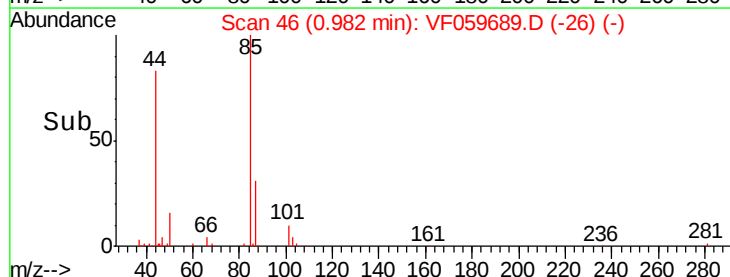
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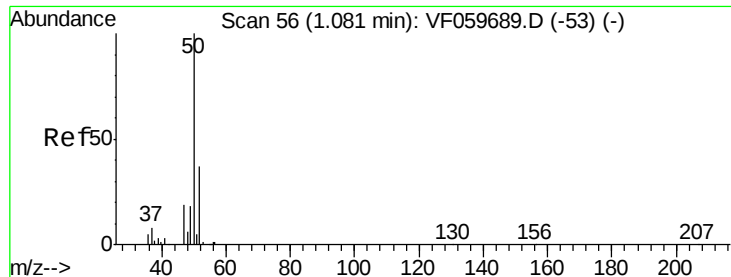
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.591 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

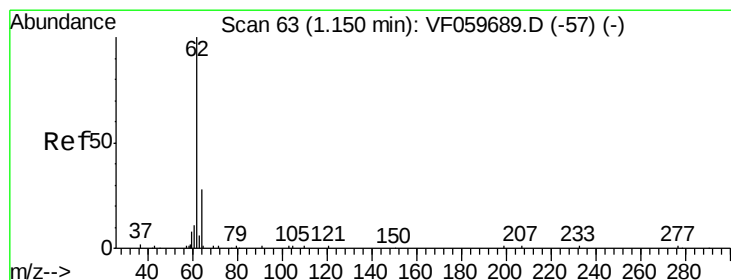
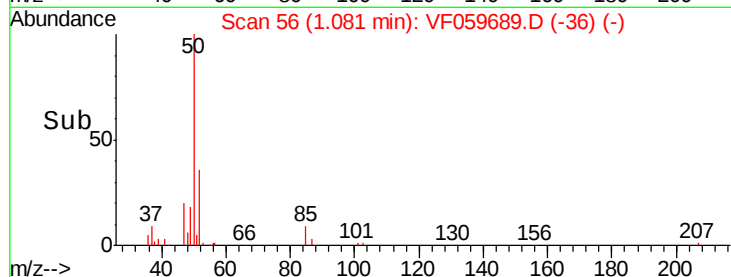
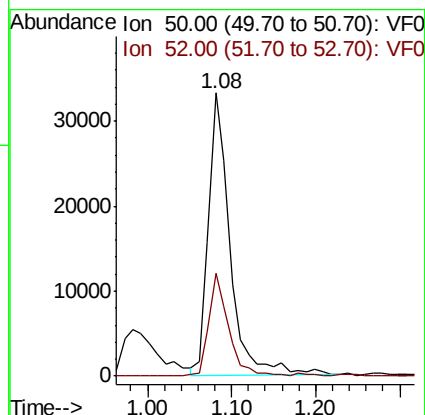
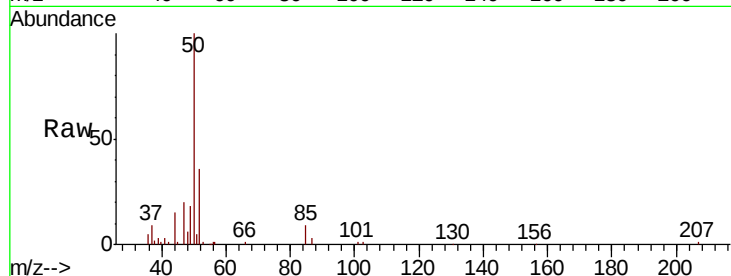
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 58906

Ion Ratio Lower Upper

50 100

52 36.4 29.1 43.7



#4

Vinyl Chloride

Concen: 46.091 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059689.D

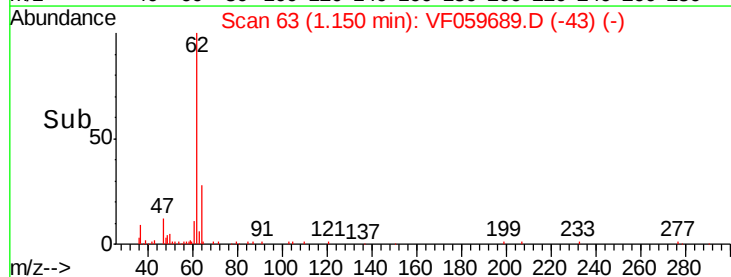
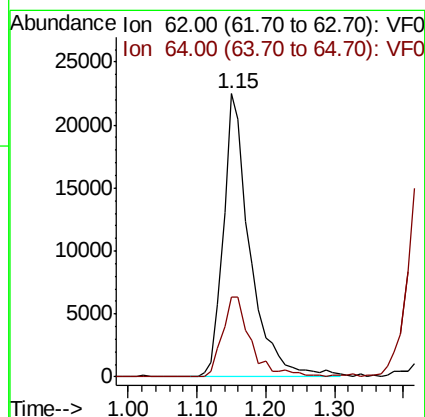
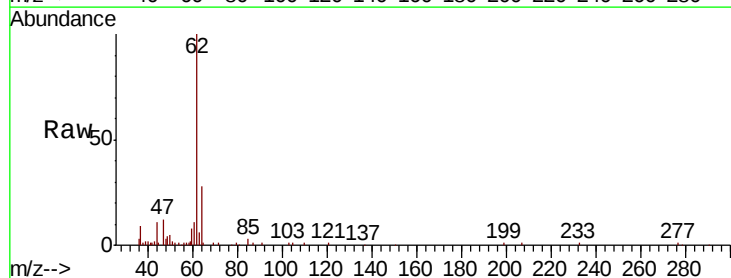
Acq: 30 Jul 2018 15:30

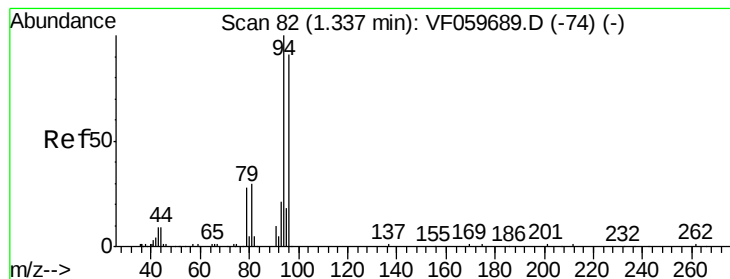
Tgt Ion: 62 Resp: 60393

Ion Ratio Lower Upper

62 100

64 28.2 22.6 33.8





#5

Bromomethane

Concen: 45.509 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

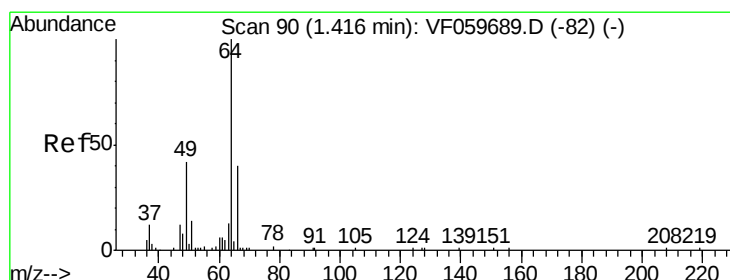
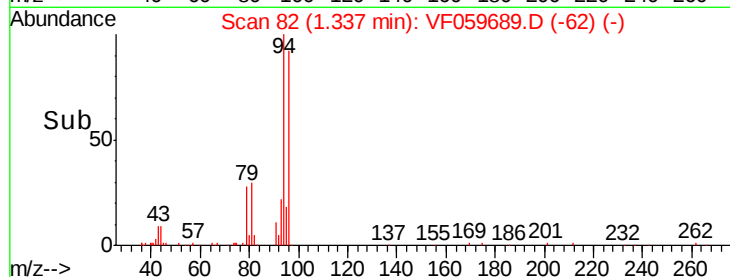
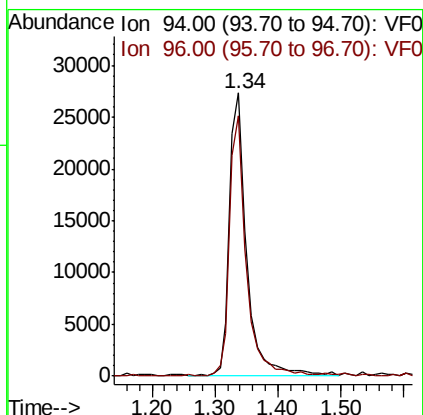
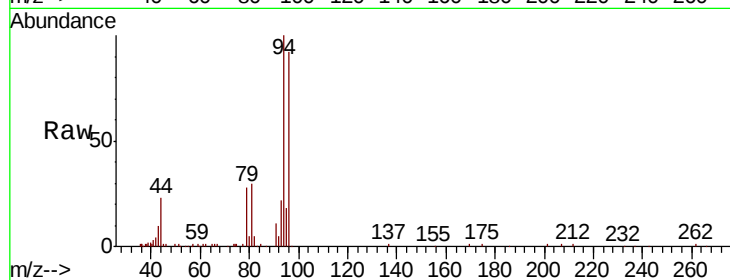
ClientSampleId :

Tot Ion: 94 Resp: 51906

Ion Ratio Lower Upper

94 100

96 92.0 73.6 110.4



#6

Chloroethane

Concen: 44.797 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059689.D

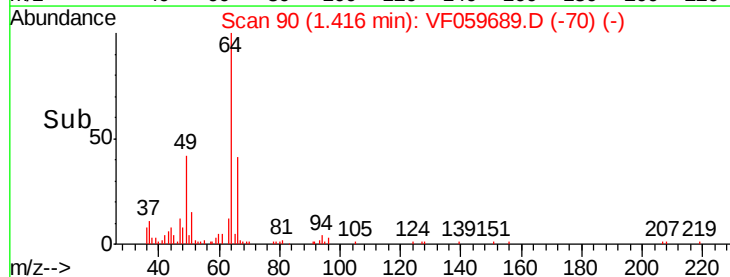
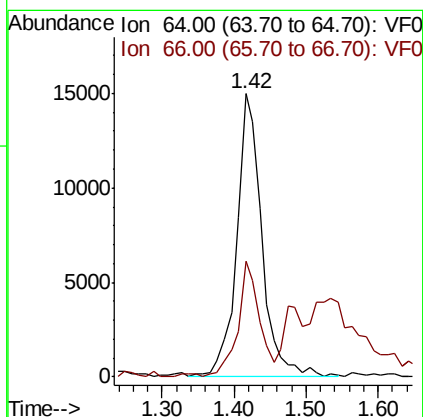
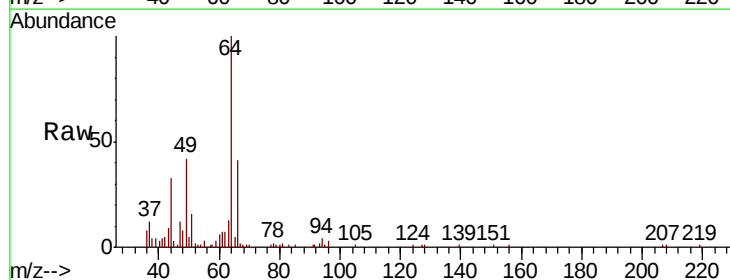
Acq: 30 Jul 2018 15:30

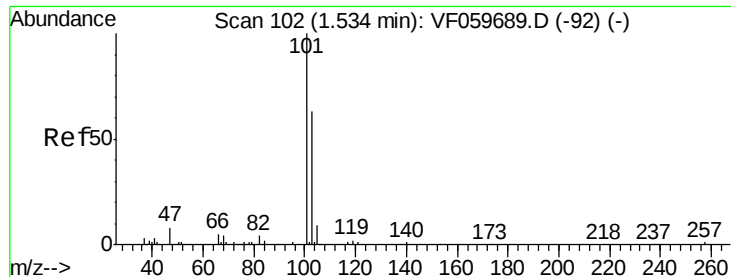
Tgt Ion: 64 Resp: 36621

Ion Ratio Lower Upper

64 100

66 40.8 32.6 49.0



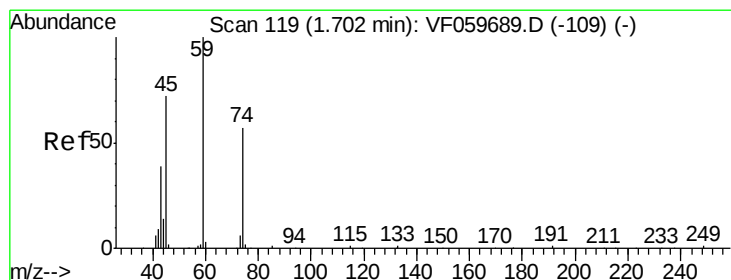
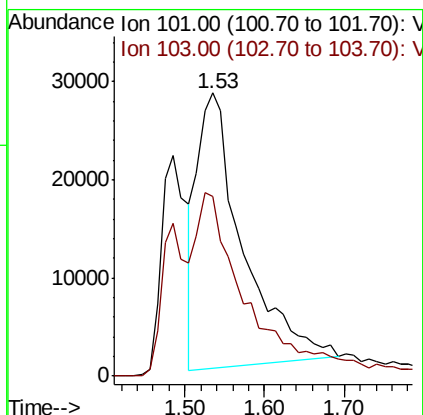
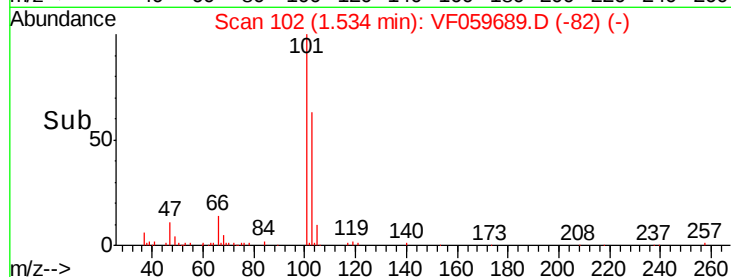
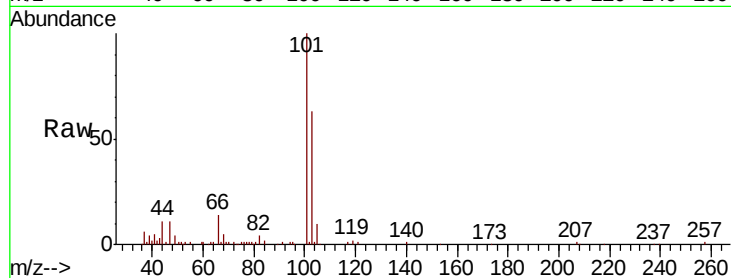


#7

Trichlorofluoromethane
 Concen: 28.383 ug/l
 RT: 1.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :

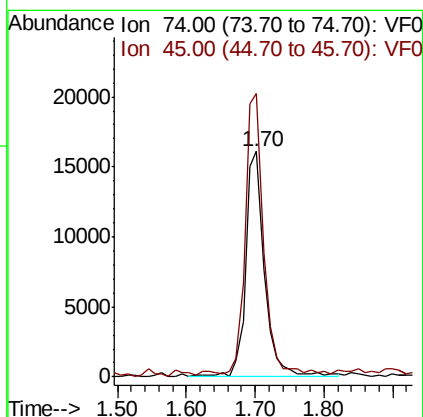
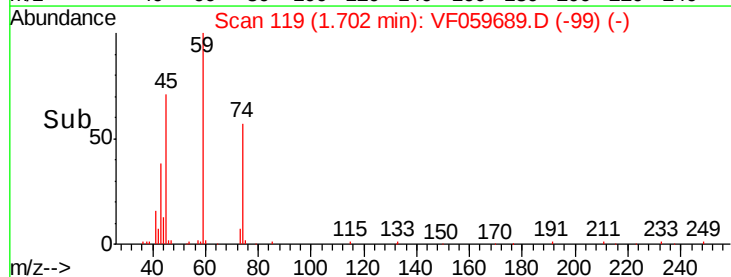
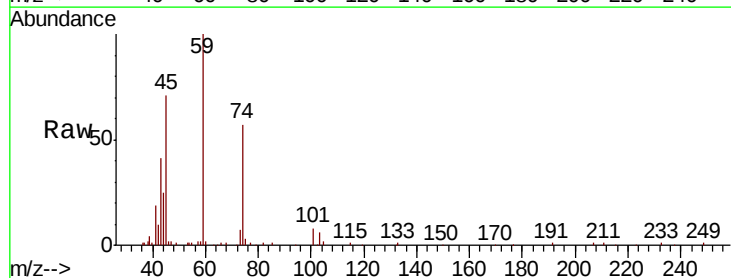
Tot Ion:101 Resp: 111832
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.8 76.2

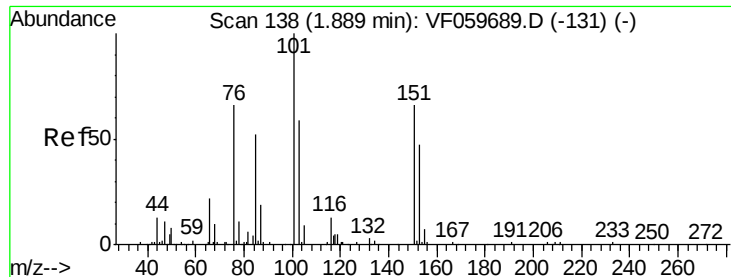


#8

Diethyl Ether
 Concen: 55.054 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion: 74 Resp: 30730
 Ion Ratio Lower Upper
 74 100
 45 125.5 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.236 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

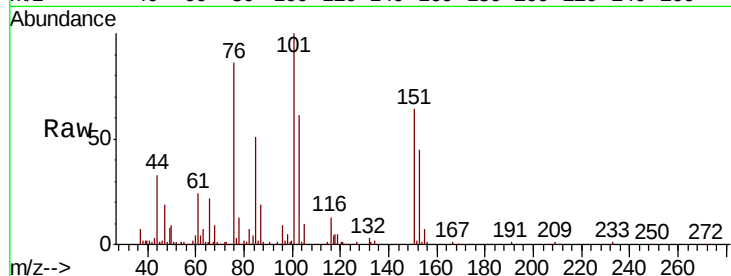
Tot Ion:101 Resp: 94760

Ion Ratio Lower Upper

101 100

85 50.9 40.7 61.1

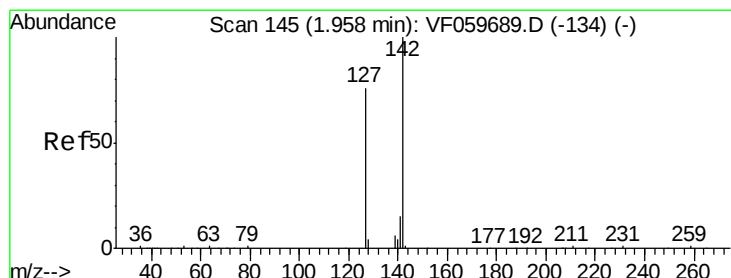
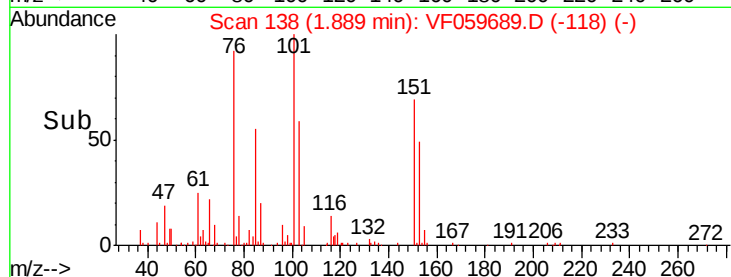
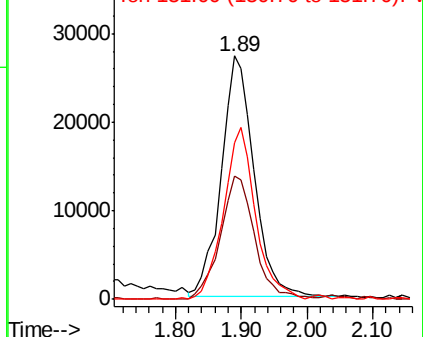
151 64.3 51.4 77.2



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: 45.498 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

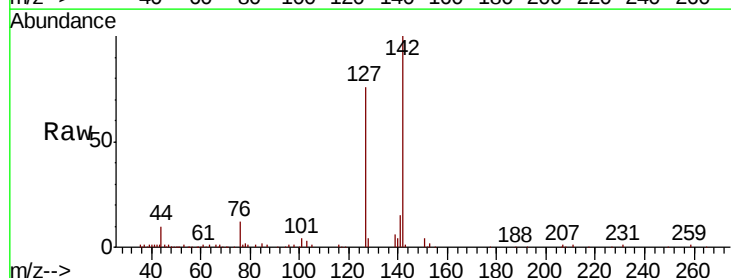
Tgt Ion:142 Resp: 139493

Ion Ratio Lower Upper

142 100

127 75.8 60.6 91.0

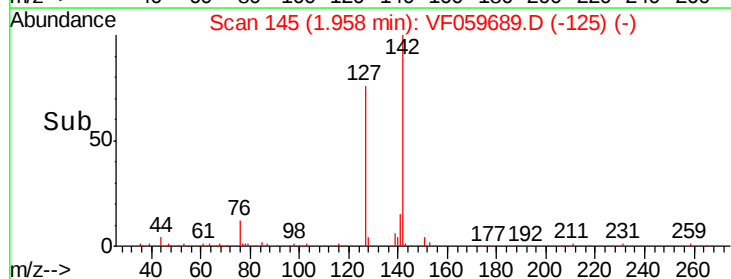
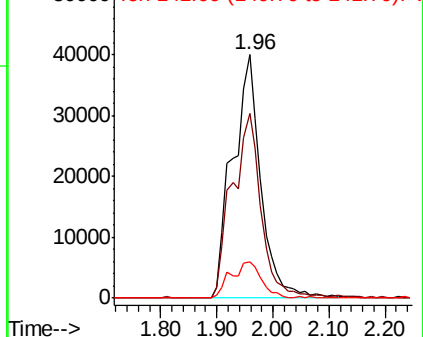
141 15.0 12.0 18.0

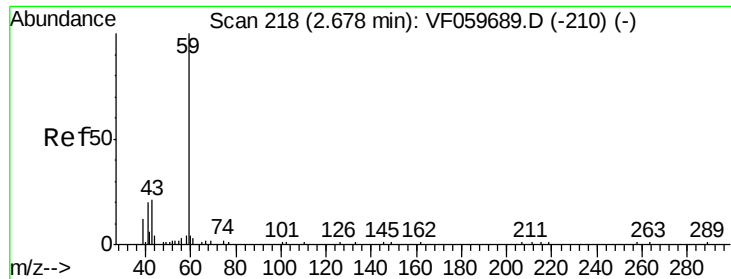


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

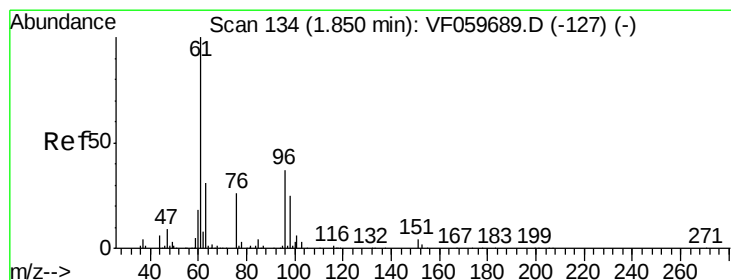
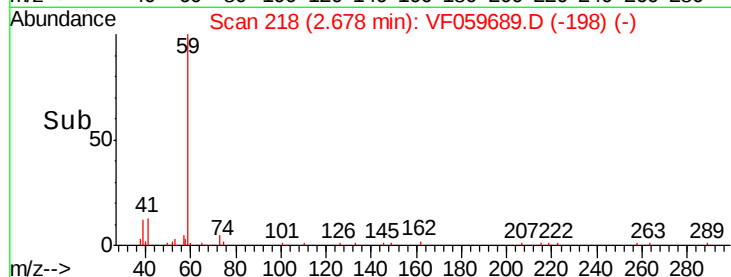
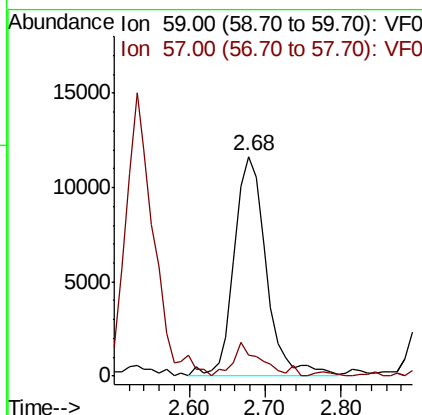
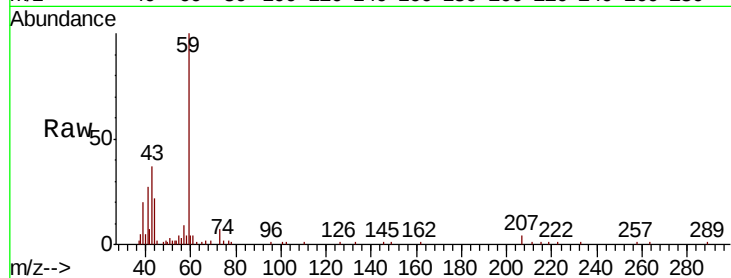




#11
Tert butyl alcohol
Concen: 239.797 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

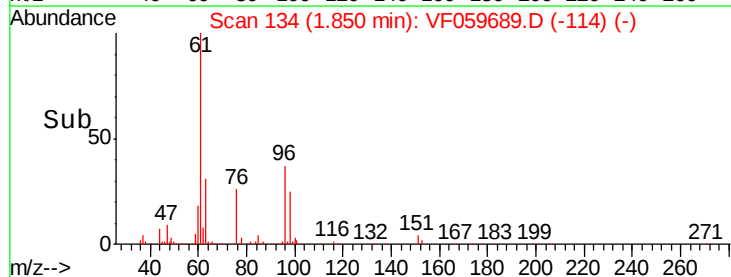
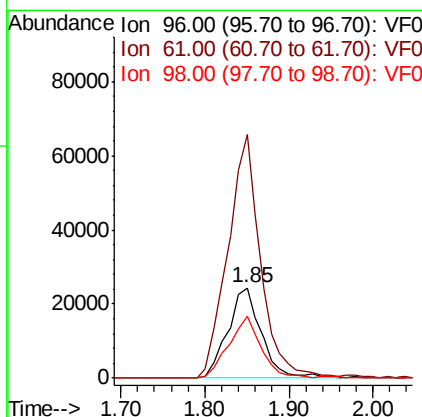
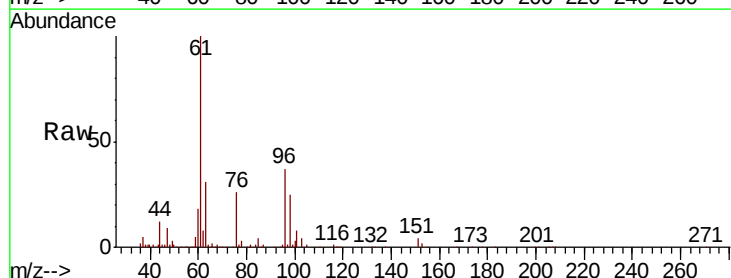
Instrument :
MSVOA_F
ClientSampleId :

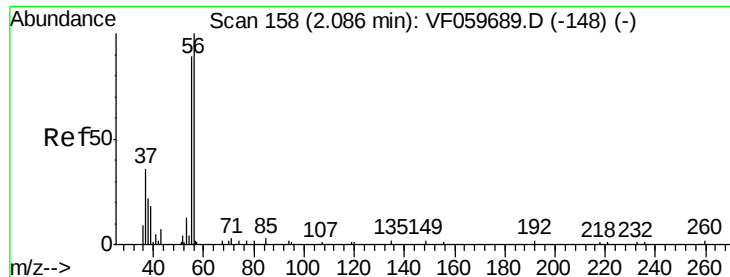
Tot Ion: 59 Resp: 34282
Ion Ratio Lower Upper
59 100
57 9.5 7.6 11.4



#12
1,1-Dichloroethene
Concen: 43.634 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 96 Resp: 67624
Ion Ratio Lower Upper
96 100
61 268.9 215.1 322.7
98 67.9 54.3 81.5

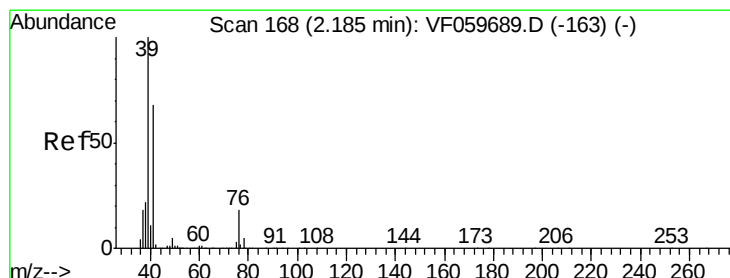
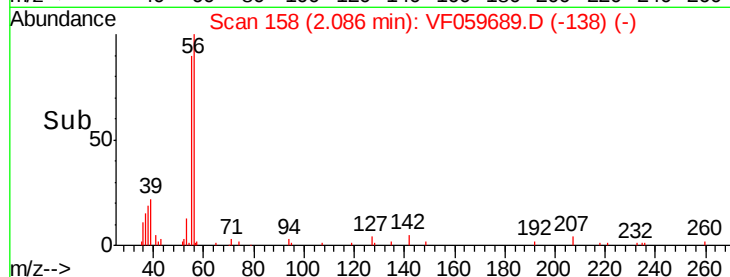
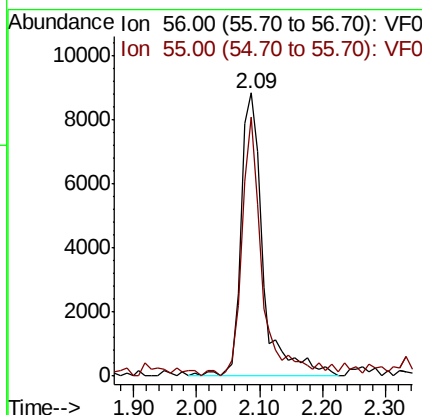
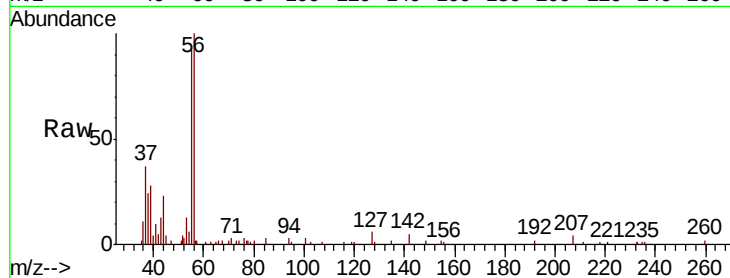




#13
Acrolein
Concen: 335.097 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

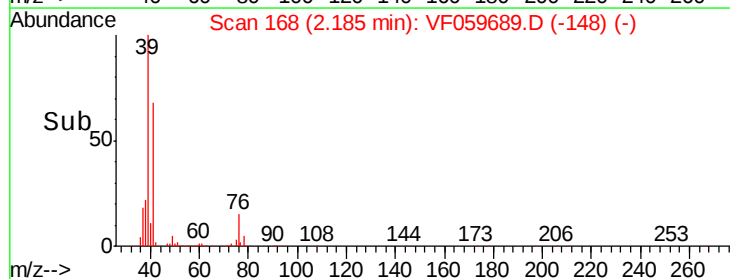
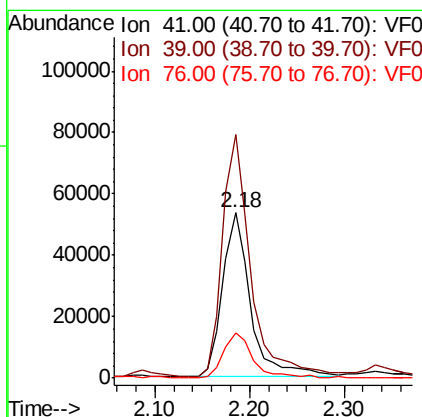
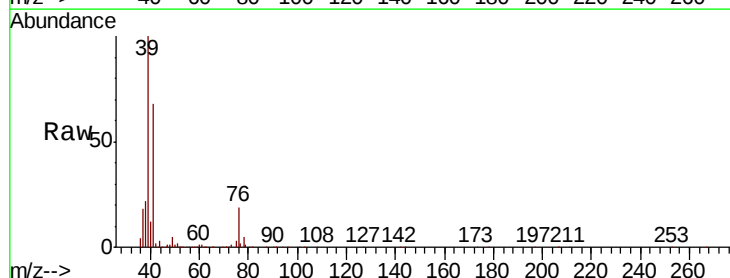
Instrument :
MSVOA_F
ClientSampleId :

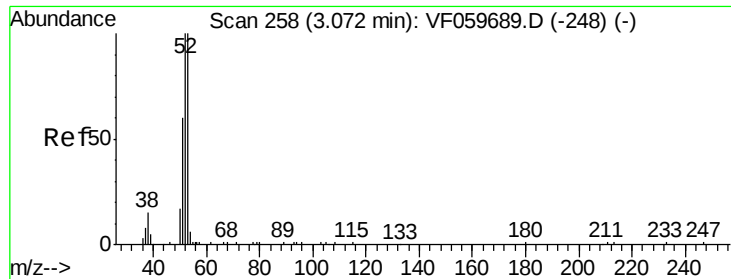
Tot Ion: 56 Resp: 21203
Ion Ratio Lower Upper
56 100
55 91.5 73.2 109.8



#14
Allyl chloride
Concen: 43.670 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 41 Resp: 110708
Ion Ratio Lower Upper
41 100
39 147.6 118.1 177.1
76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 248.076 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

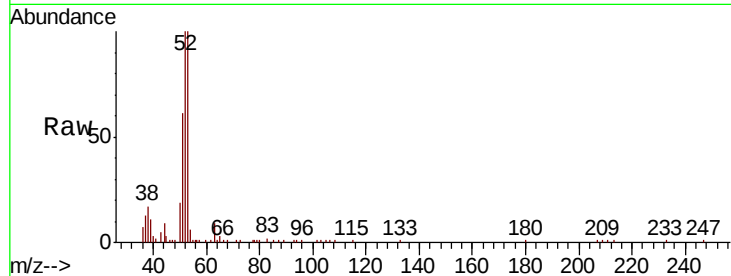
Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 54060

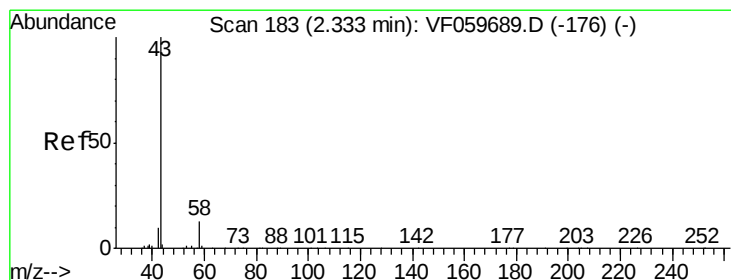
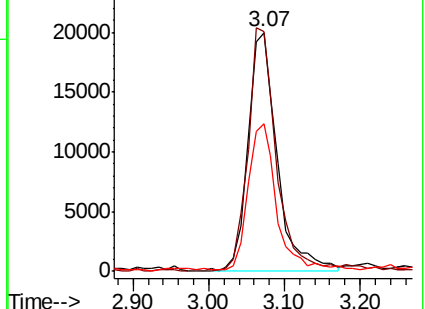
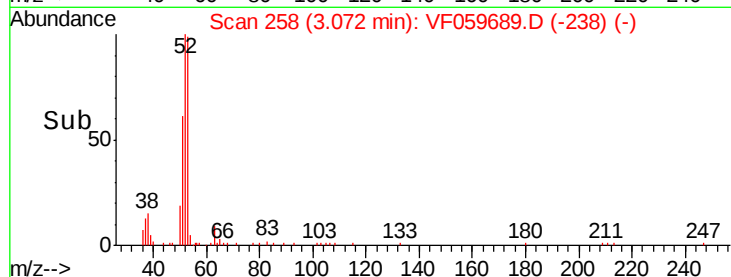
Ion	Ratio	Lower	Upper
53	100		
52	100.4	80.3	120.5
51	61.7	49.4	74.0



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 256.320 ug/l

RT: 2.33 min Scan# 183

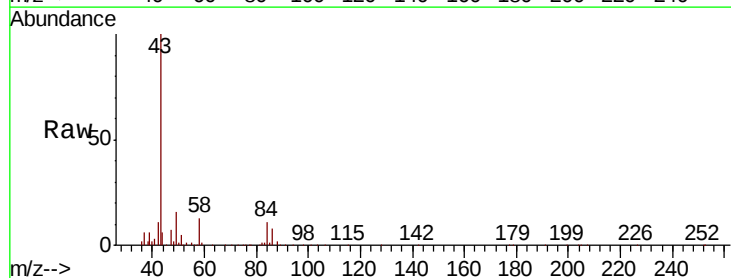
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

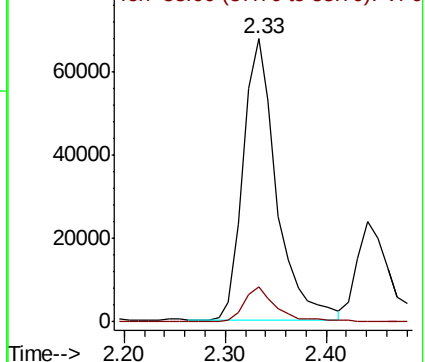
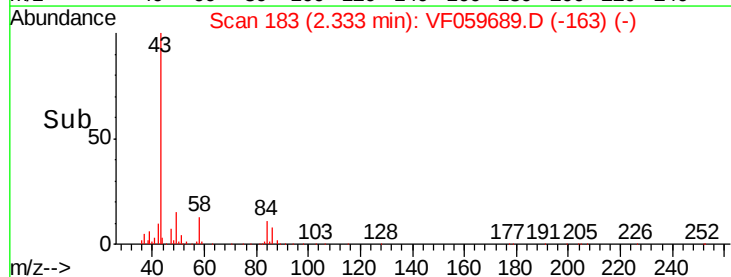
Tgt Ion: 43 Resp: 155531

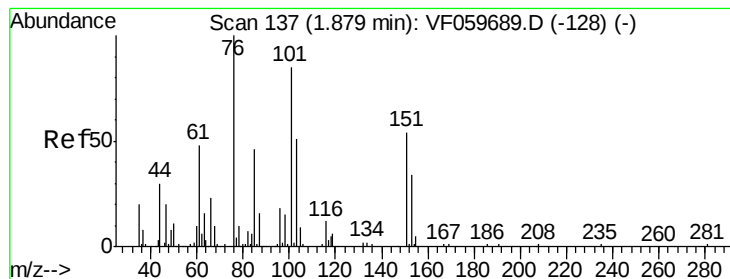
Ion	Ratio	Lower	Upper
43	100		
58	12.6	10.1	15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 24.170 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

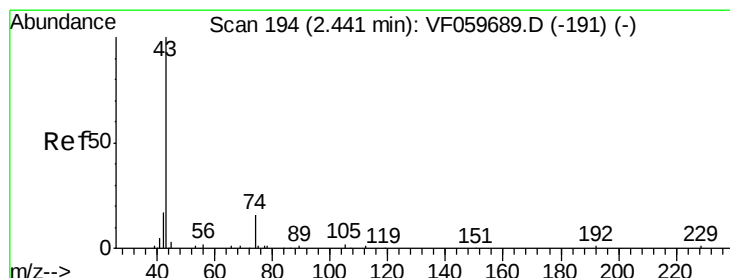
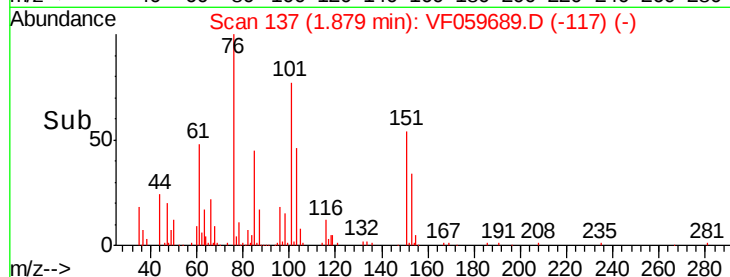
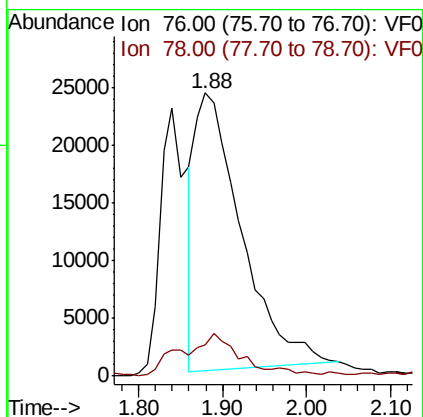
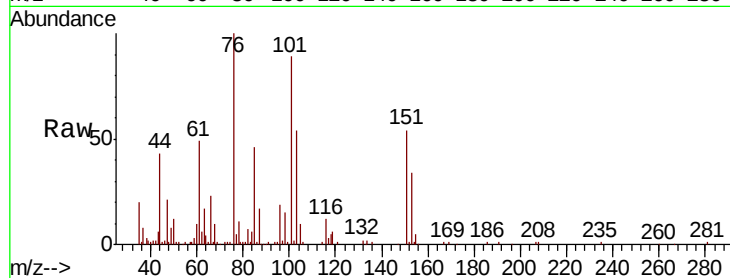
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 91058

Ion Ratio Lower Upper

76 100

78 11.1 8.9 13.3



#18

Methyl Acetate

Concen: 46.508 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059689.D

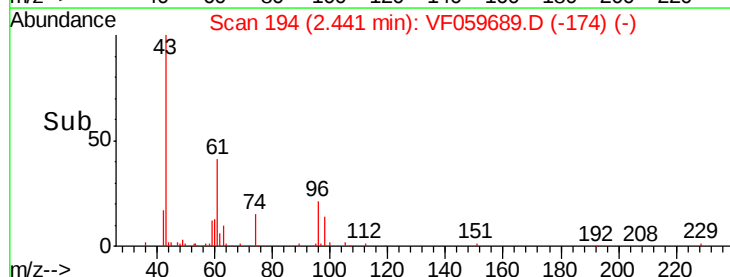
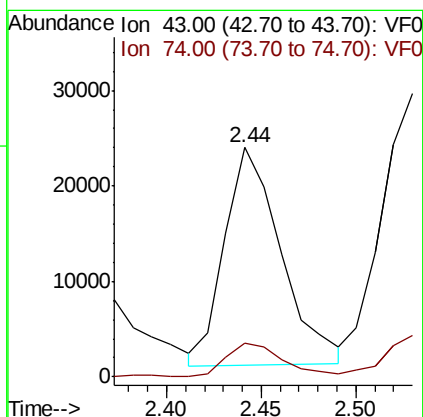
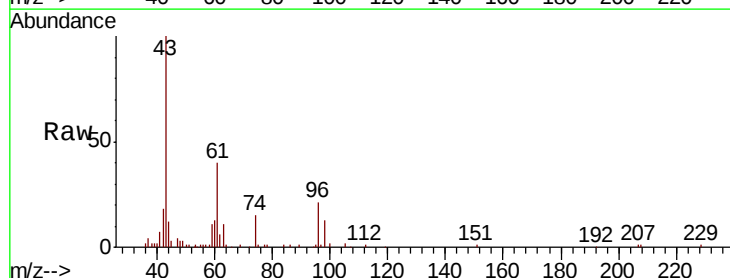
Acq: 30 Jul 2018 15:30

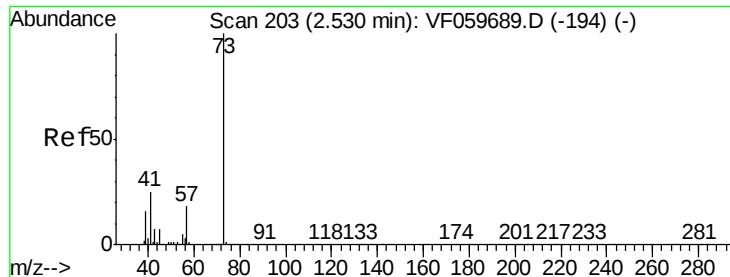
Tgt Ion: 43 Resp: 47240

Ion Ratio Lower Upper

43 100

74 14.7 11.8 17.6



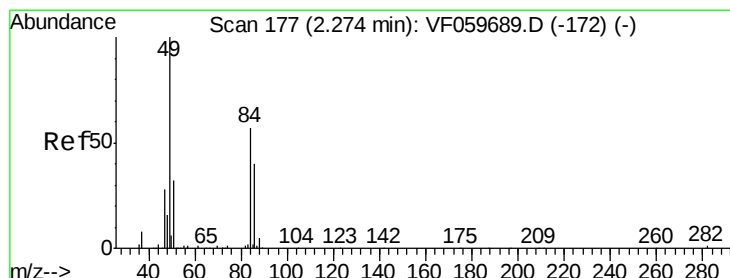
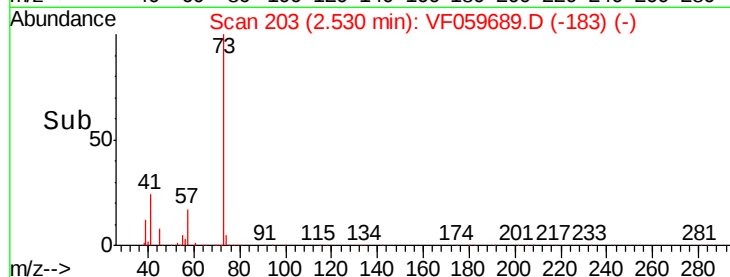
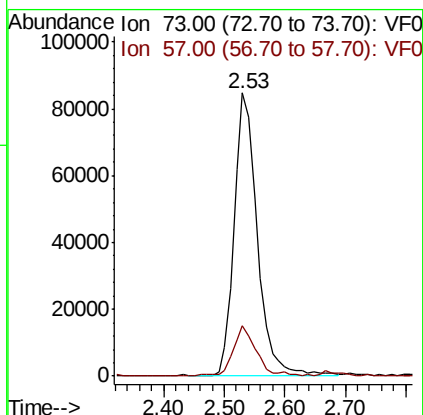
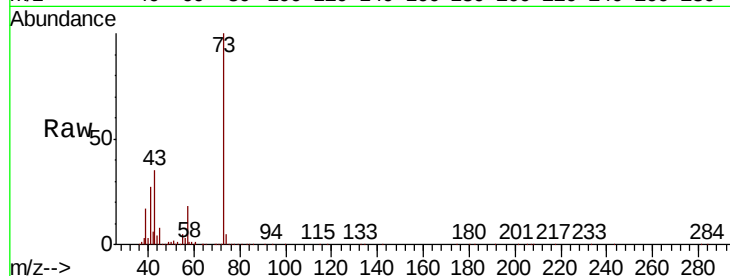


#19

Methyl tert-butyl Ether
 Concen: 52.279 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :

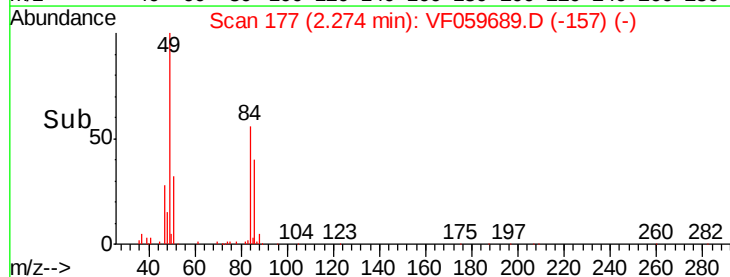
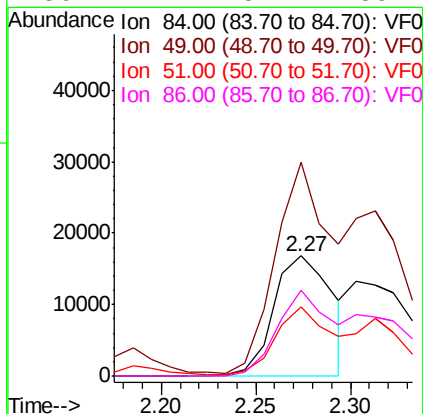
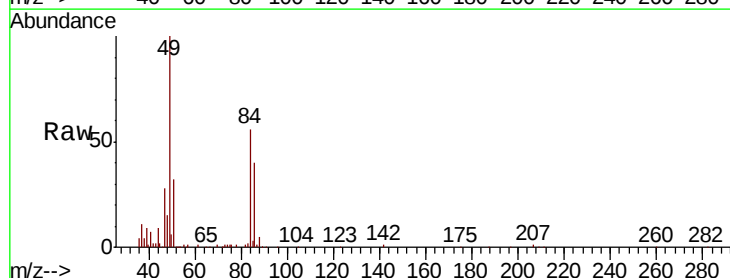
Tot Ion: 73 Resp: 226422
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.2 21.2

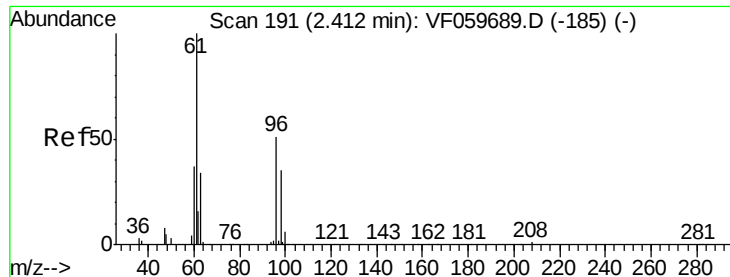


#20

Methylene Chloride
 Concen: 16.242 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion: 84 Resp: 36294
 Ion Ratio Lower Upper
 84 100
 49 177.8 142.2 213.4
 51 57.7 46.2 69.2
 86 71.4 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 40.287 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampled :

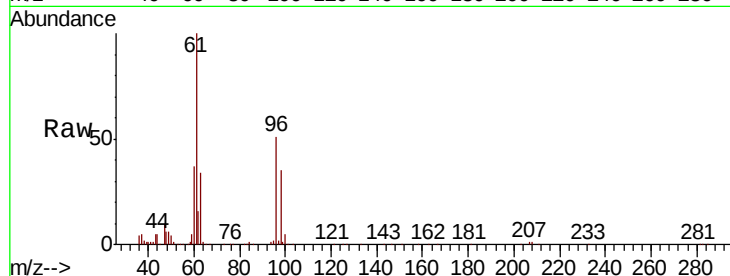
Tot Ion: 96 Resp: 64039

Ion Ratio Lower Upper

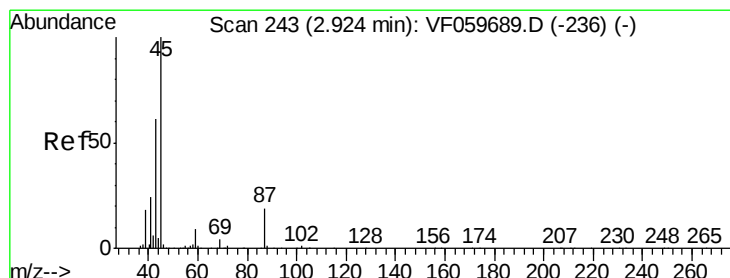
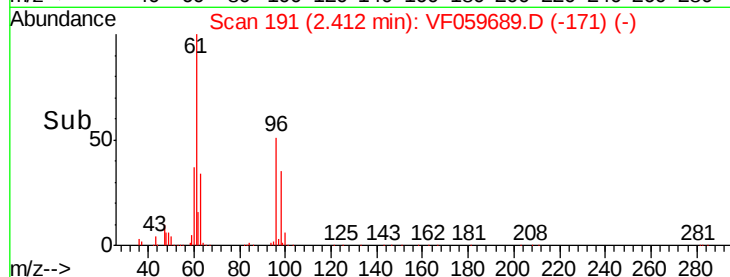
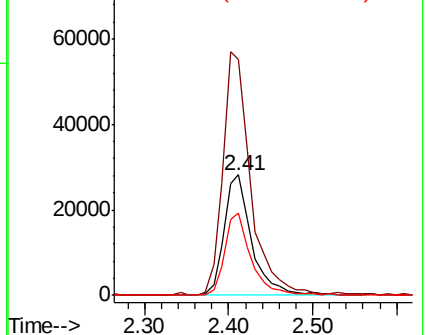
96 100

61 196.7 157.4 236.0

98 68.7 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: 48.431 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion: 45 Resp: 245421

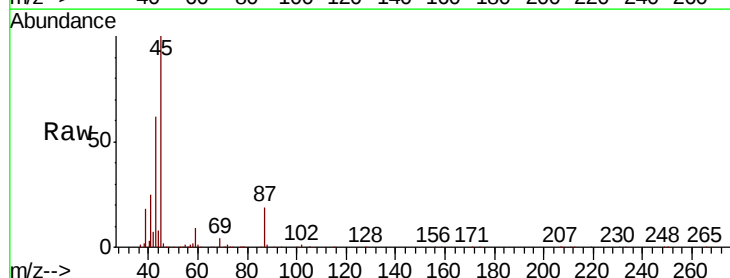
Ion Ratio Lower Upper

45 100

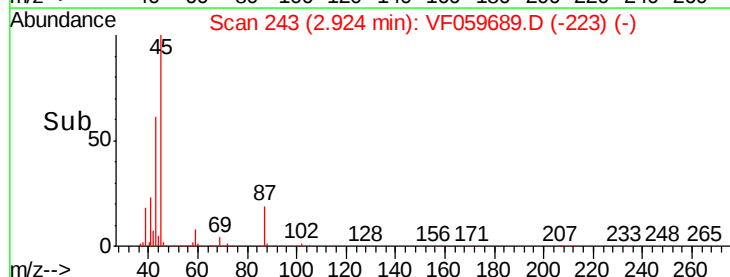
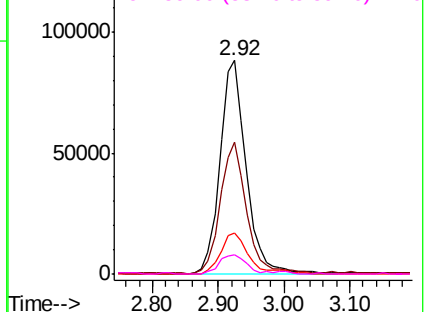
43 61.6 49.3 73.9

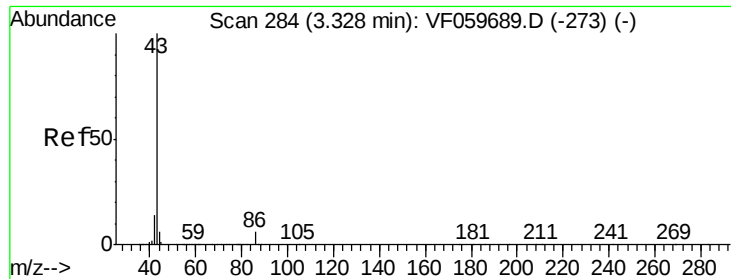
87 19.1 15.3 22.9

59 8.9 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: 267.687 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

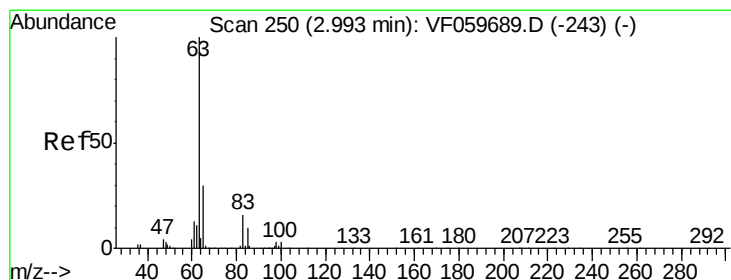
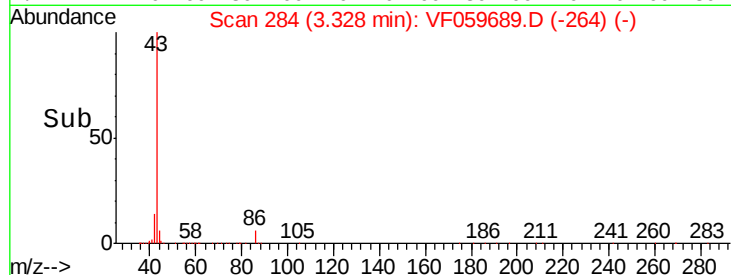
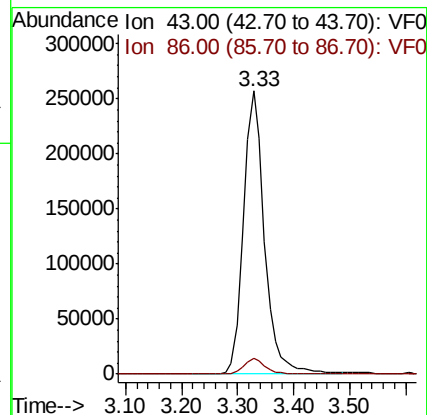
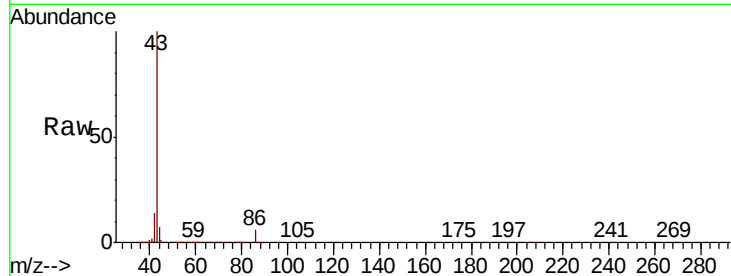
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 672467

Ion Ratio Lower Upper

43 100

86 5.7 4.6 6.8



#24

1,1-Dichloroethane

Concen: 46.319 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

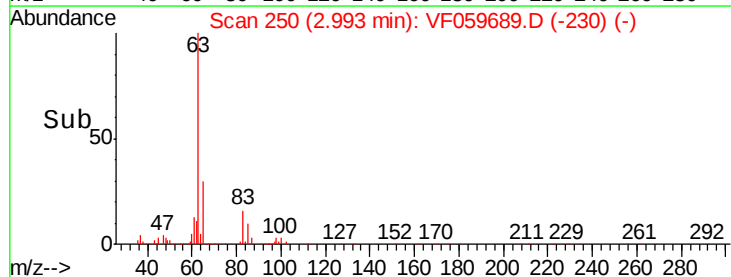
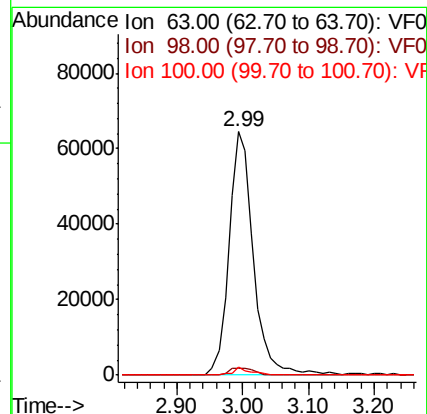
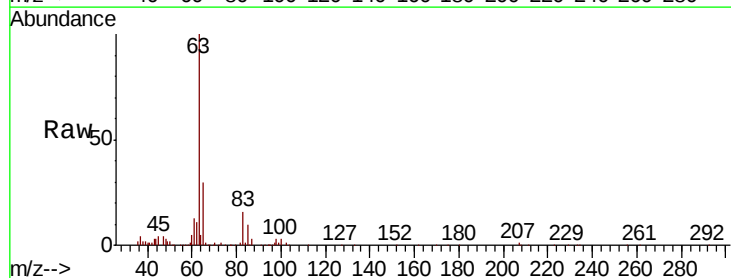
Tgt Ion: 63 Resp: 167002

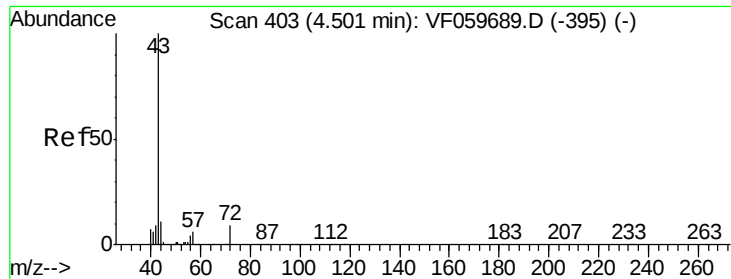
Ion Ratio Lower Upper

63 100

98 2.8 1.4 4.2

100 3.1 1.6 4.7





#25

2-Butanone

Concen: 316.973 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

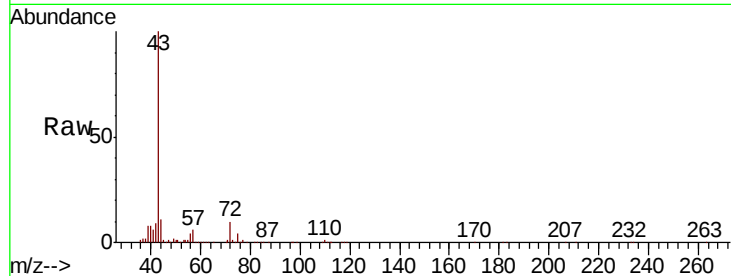
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 211914

Ion Ratio Lower Upper

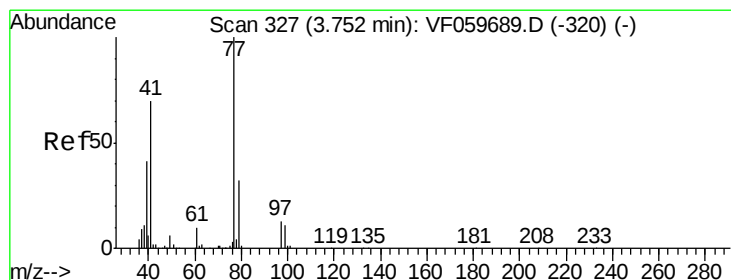
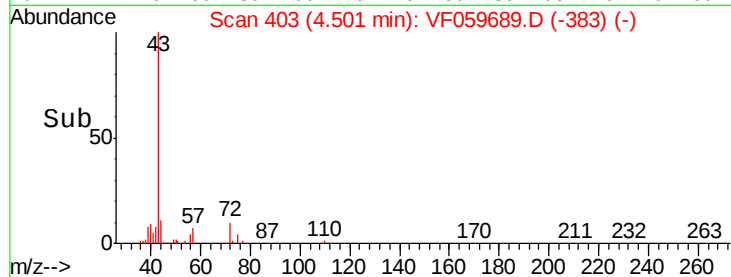
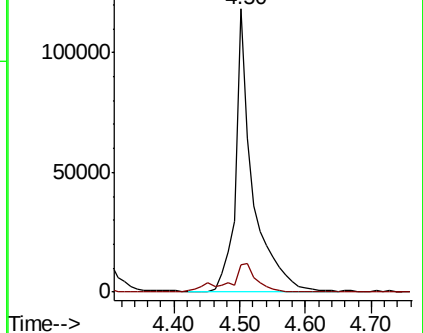
43 100

72 9.6 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: 42.515 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059689.D

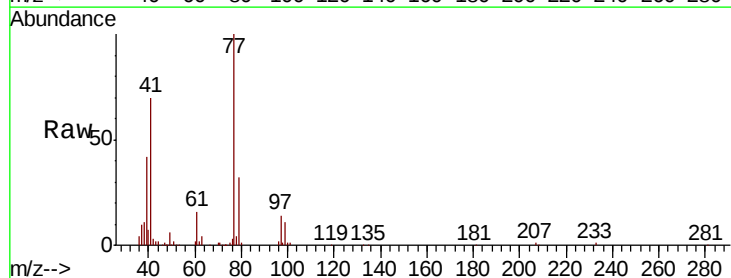
Acq: 30 Jul 2018 15:30

Tgt Ion: 77 Resp: 124689

Ion Ratio Lower Upper

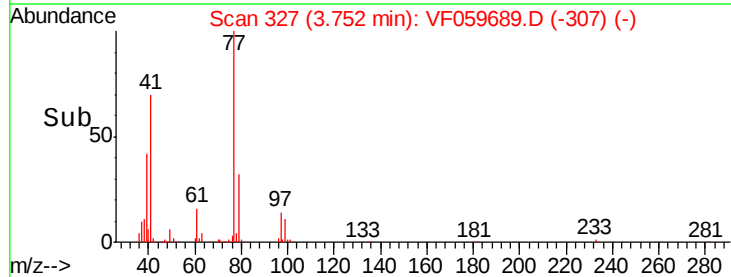
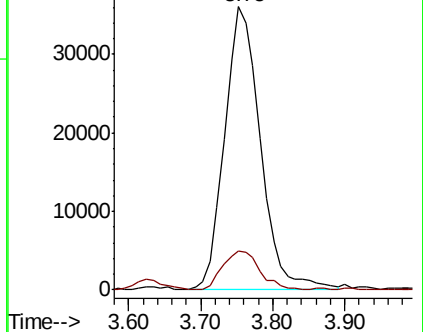
77 100

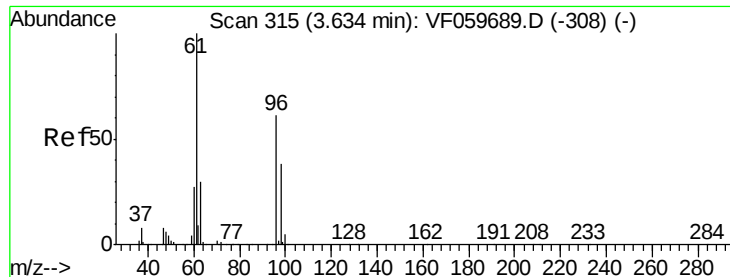
97 13.6 6.8 20.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



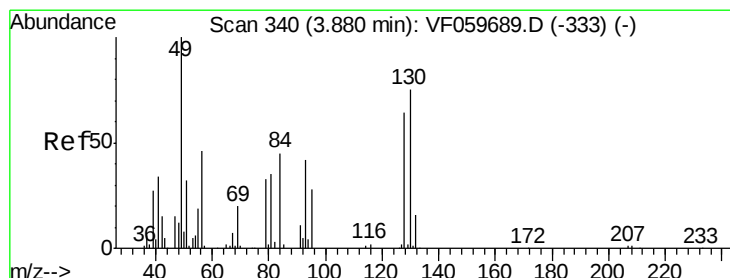
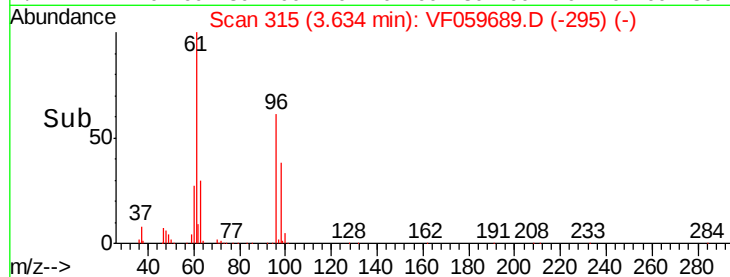
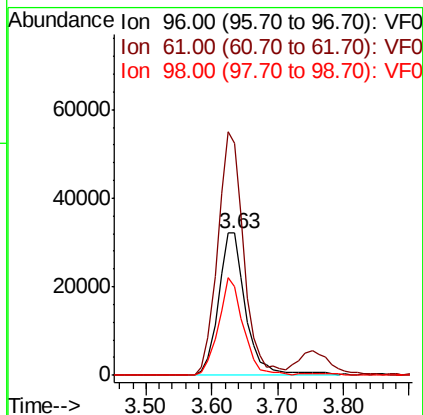
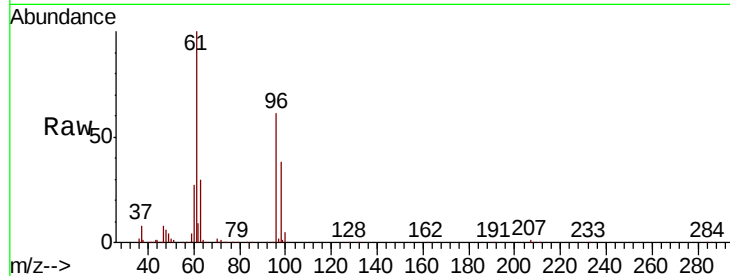


#27

cis-1,2-Dichloroethene
Concen: 49.663 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :

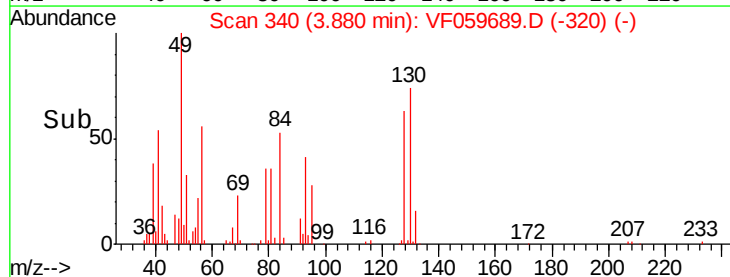
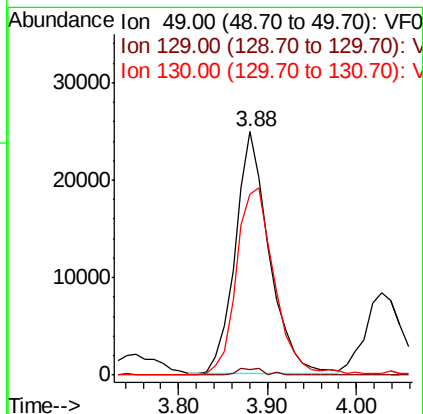
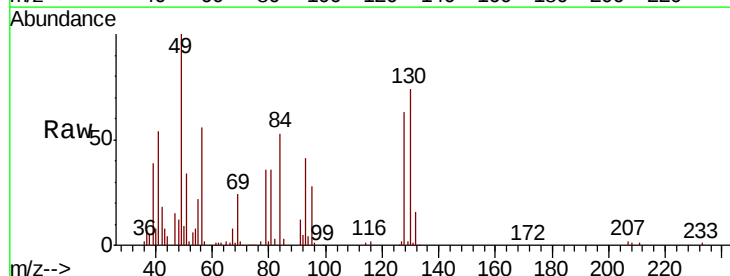
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	326.8
98	62.6	0.0	125.2

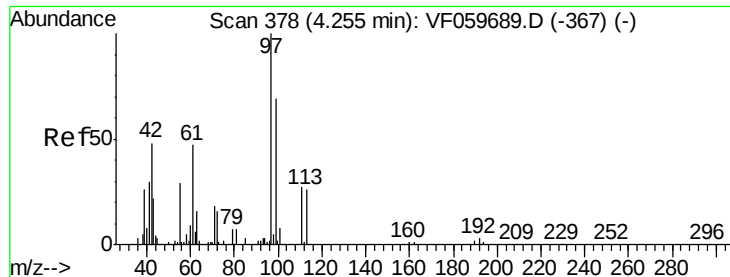


#28

Bromochloromethane
Concen: 49.273 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	74.5	59.6	89.4

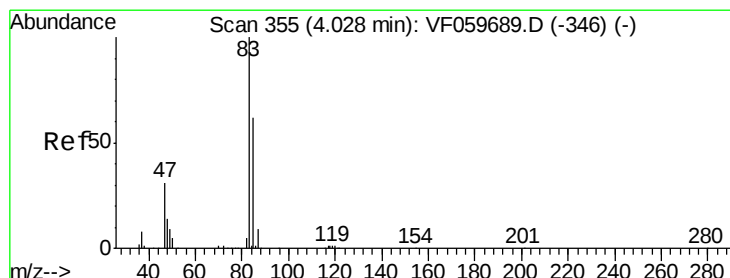
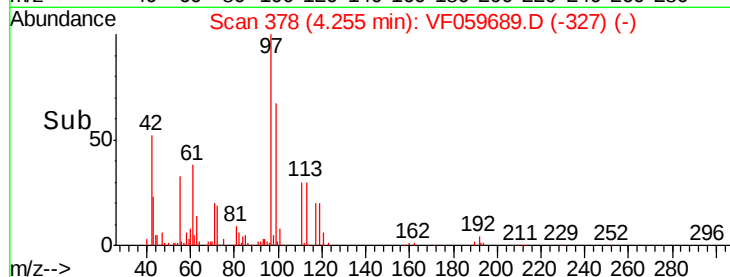
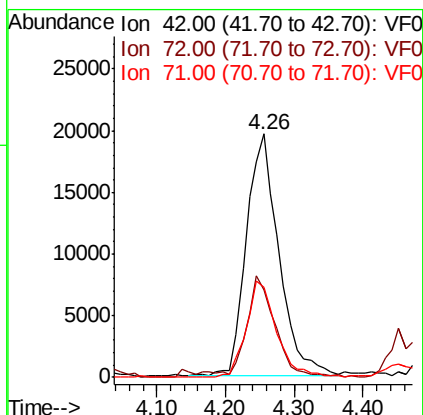
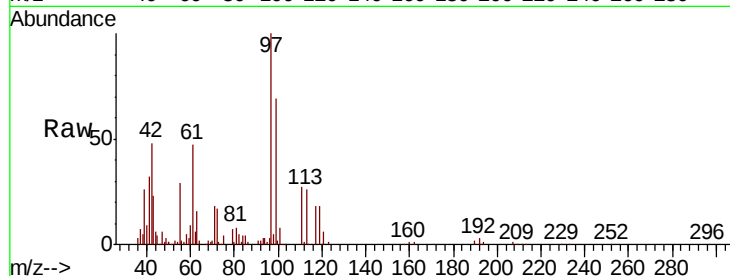




#29
Tetrahydrofuran
Concen: 239.737 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

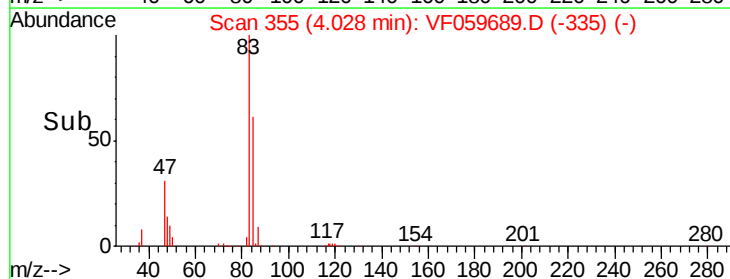
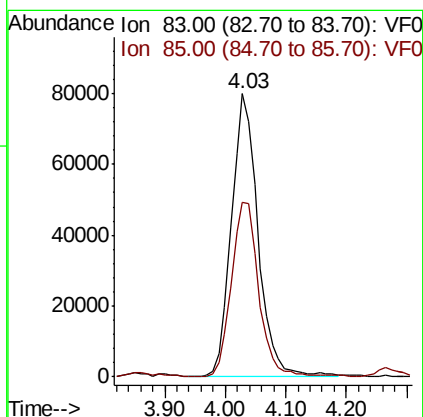
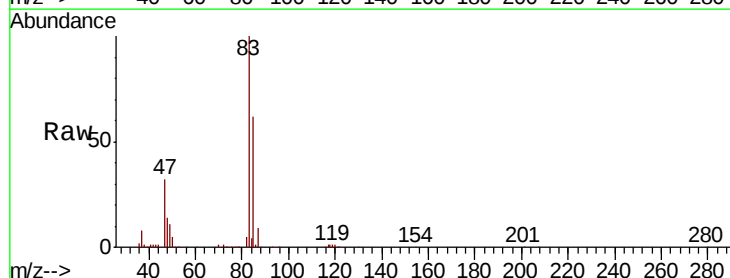
Instrument :
MSVOA_F
ClientSampleId :

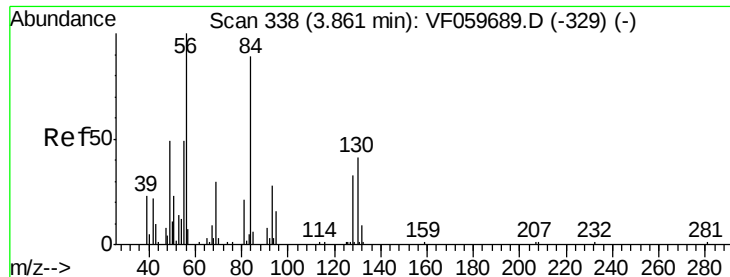
Tot Ion: 42 Resp: 64331
Ion Ratio Lower Upper
42 100
72 33.8 27.0 40.6
71 37.1 29.7 44.5



#30
Chloroform
Concen: 48.116 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 83 Resp: 245061
Ion Ratio Lower Upper
83 100
85 61.7 49.4 74.0

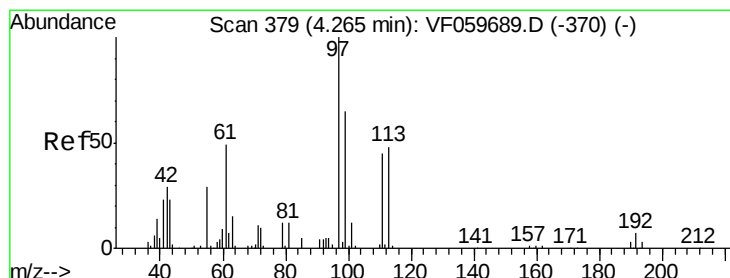
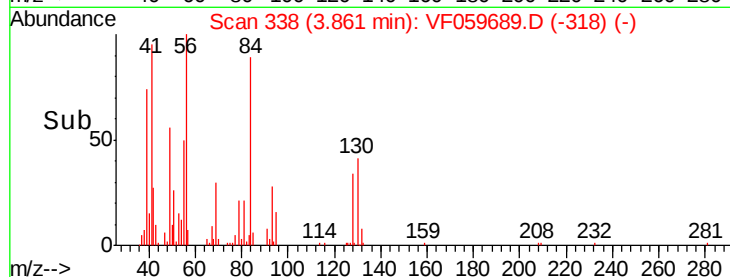
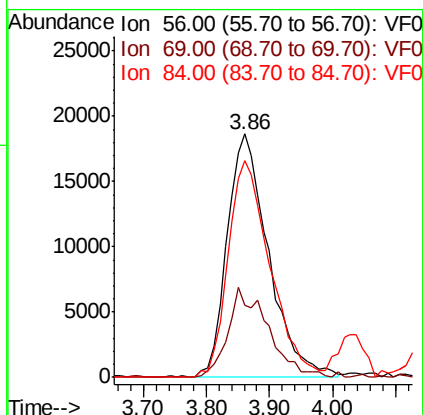
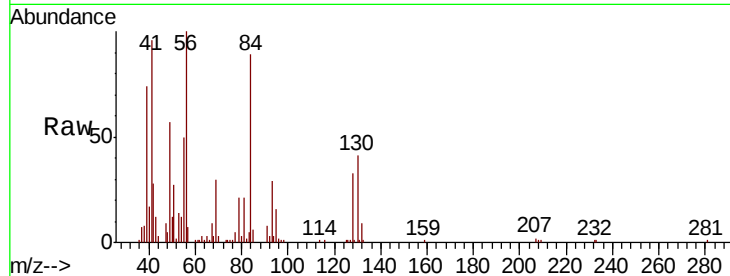




#31
Cyclohexane
Concen: 40.815 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

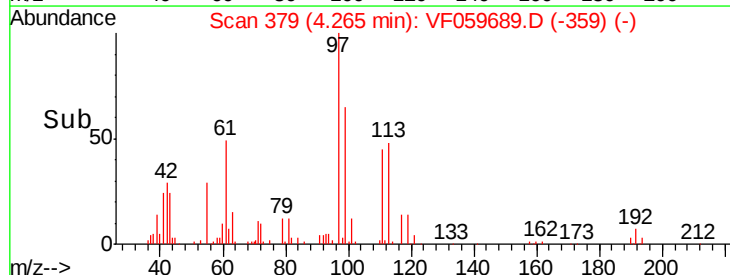
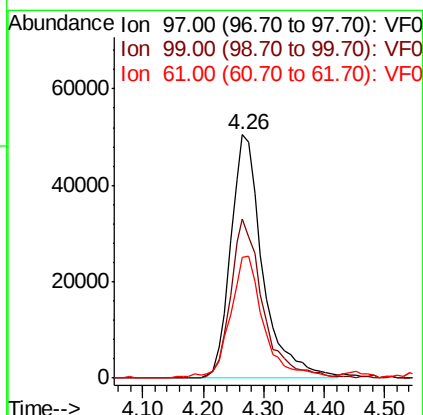
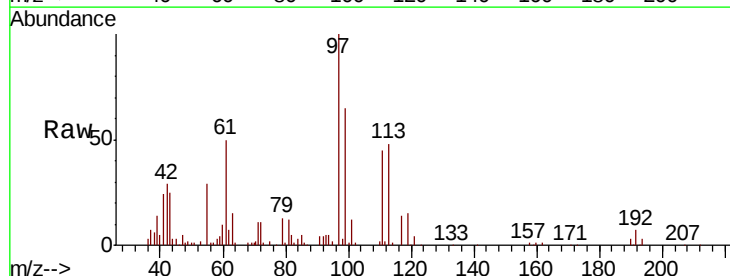
Instrument :
MSVOA_F
ClientSampled :

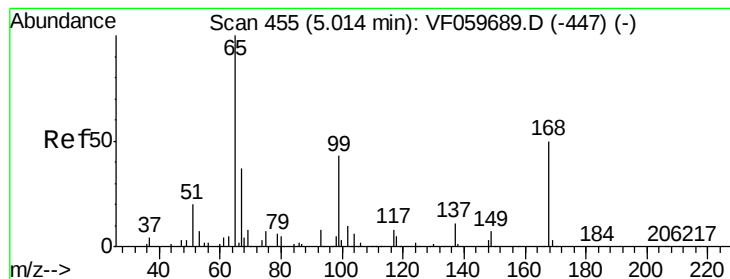
Tot Ion: 56 Resp: 84554
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 88.9 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 44.496 ug/l
RT: 4.26 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 97 Resp: 185897
Ion Ratio Lower Upper
97 100
99 65.5 52.4 78.6
61 49.6 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 53.721 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

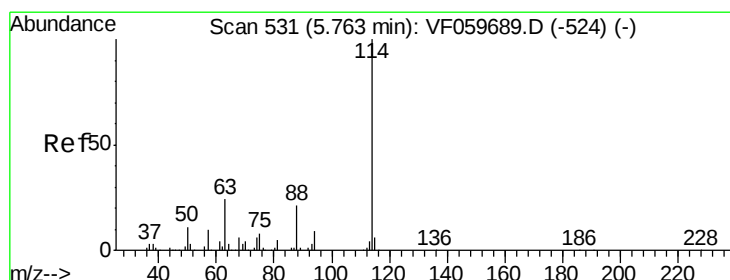
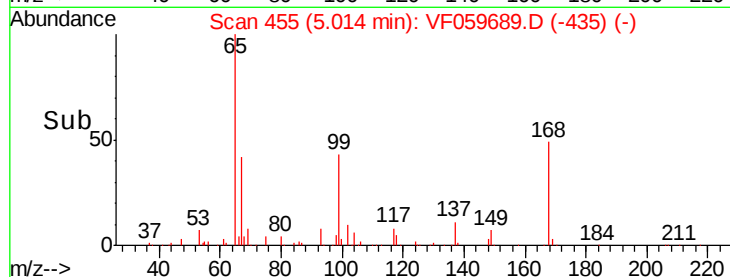
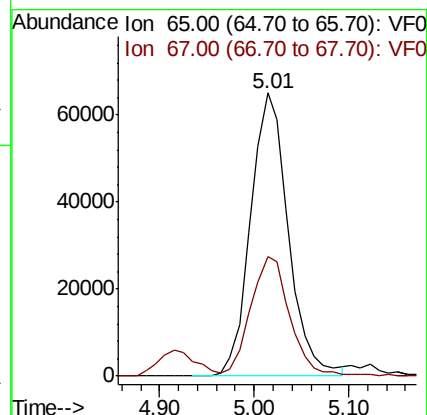
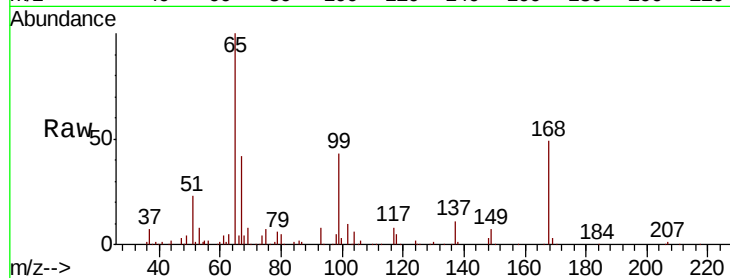
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 178905

Ion Ratio Lower Upper

65 100

67 42.3 0.0 84.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

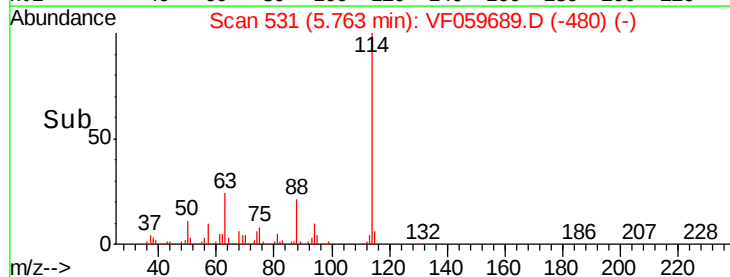
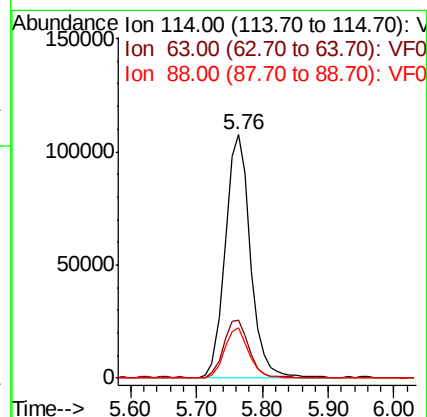
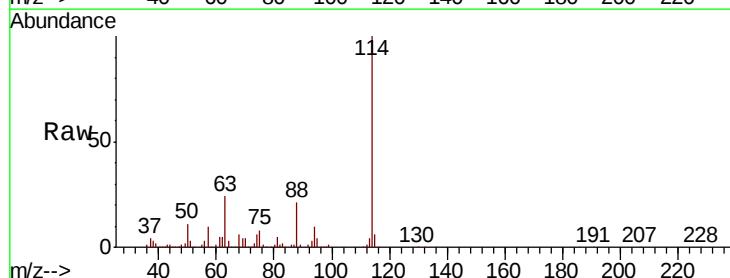
Tgt Ion: 114 Resp: 288674

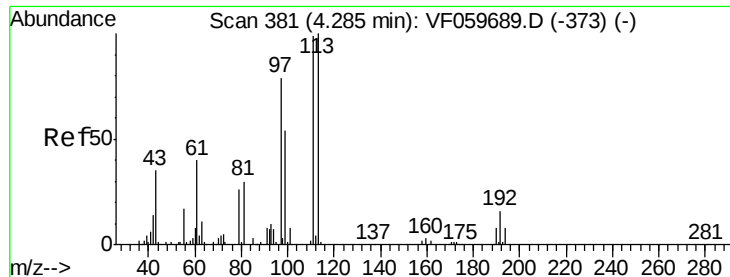
Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.4

88 20.6 0.0 41.2

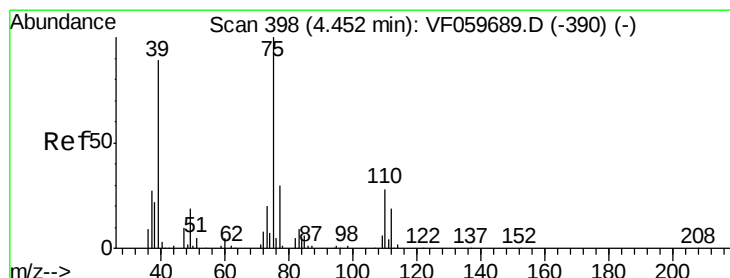
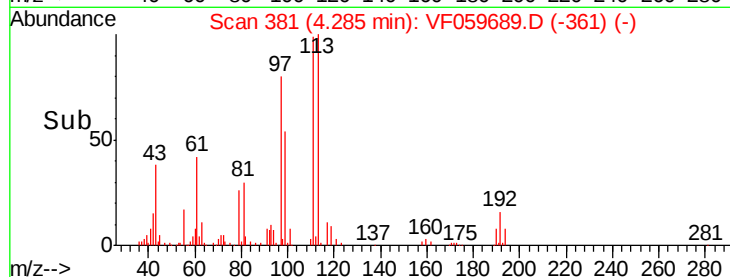
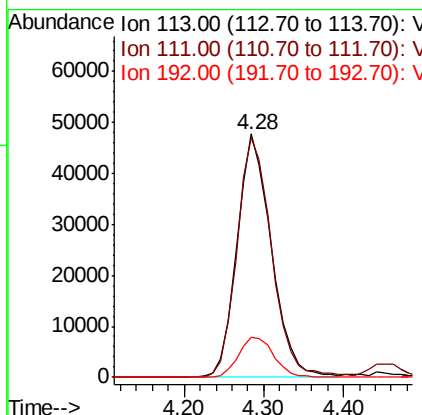
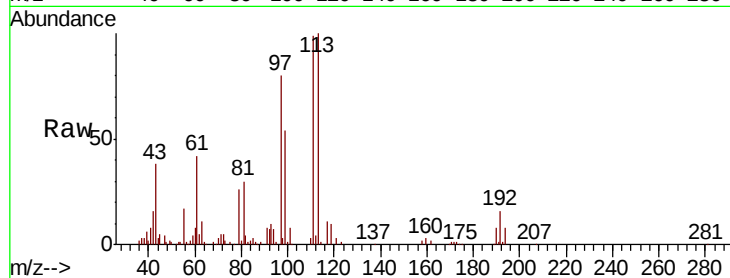




#35
 Dibromofluoromethane
 Concen: 51.560 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

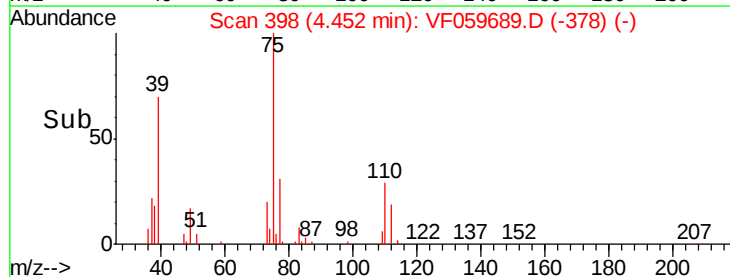
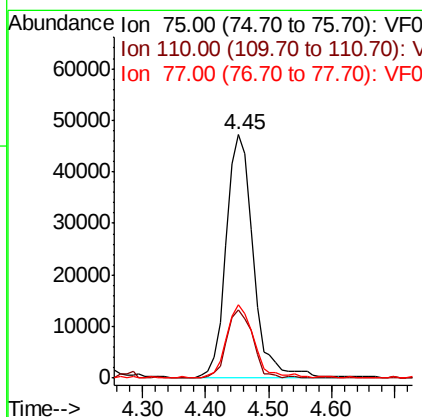
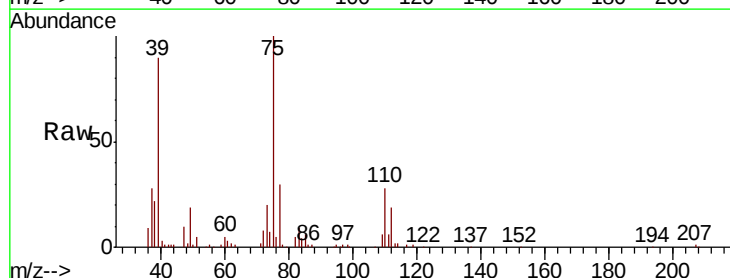
Instrument :
 MSVOA_F
 ClientSampleId :

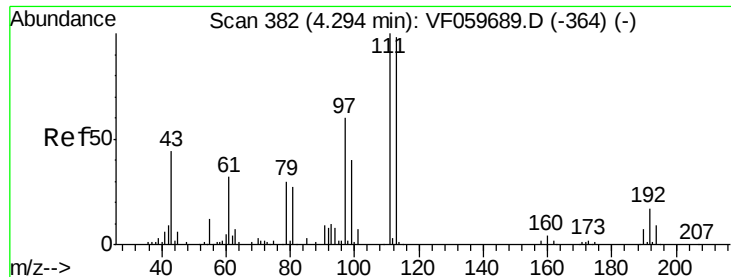
Tot Ion:113 Resp: 142448
 Ion Ratio Lower Upper
 113 100
 111 98.7 79.0 118.4
 192 16.5 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: 45.087 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion: 75 Resp: 141173
 Ion Ratio Lower Upper
 75 100
 110 27.9 14.0 41.9
 77 30.2 24.2 36.2





#37

Ethyl Acetate

Concen: 53.782 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampled :

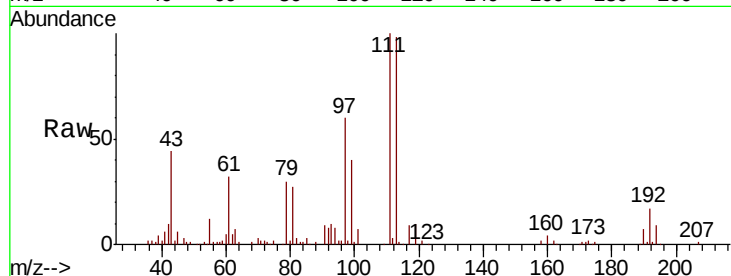
Tot Ion: 43 Resp: 73460

Ion Ratio Lower Upper

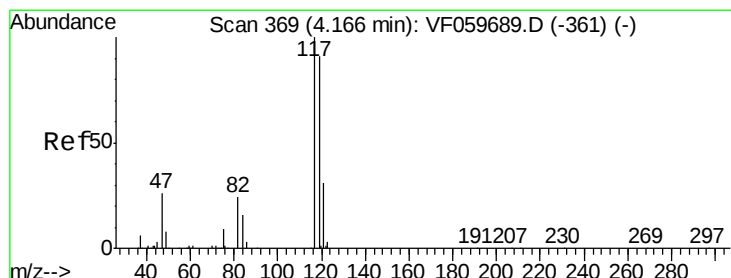
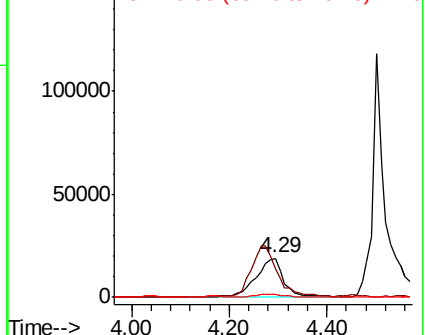
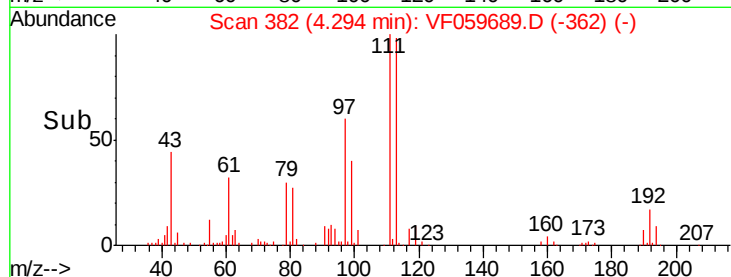
43 100

61 72.7 58.2 87.2

70 7.5 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: 48.948 ug/l

RT: 4.17 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

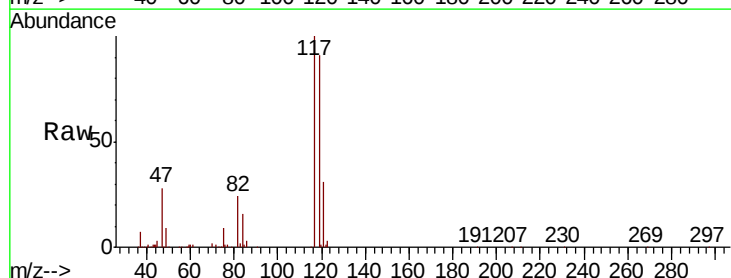
Tgt Ion: 117 Resp: 224865

Ion Ratio Lower Upper

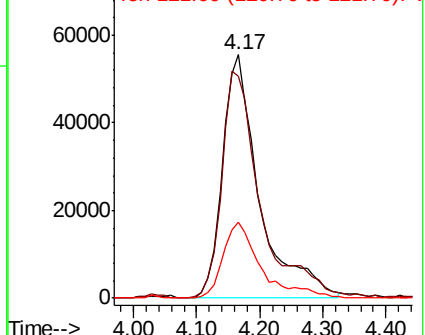
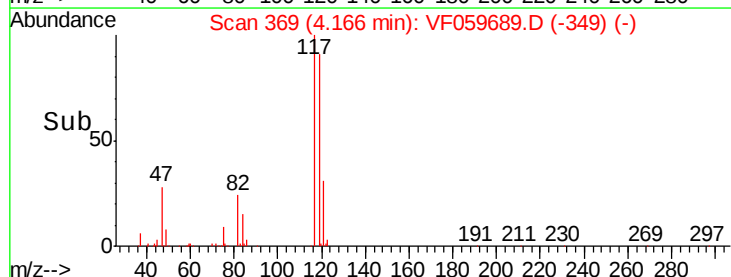
117 100

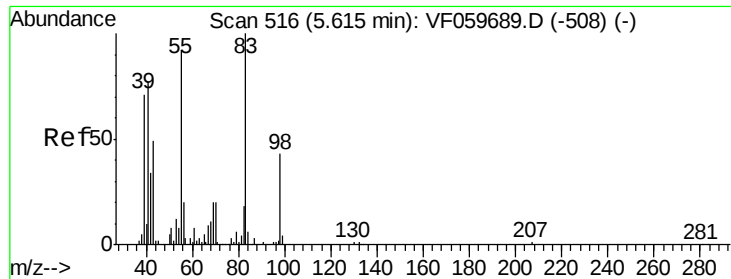
119 91.1 72.9 109.3

121 31.2 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

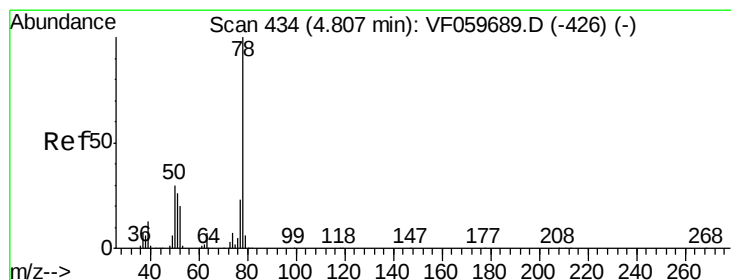
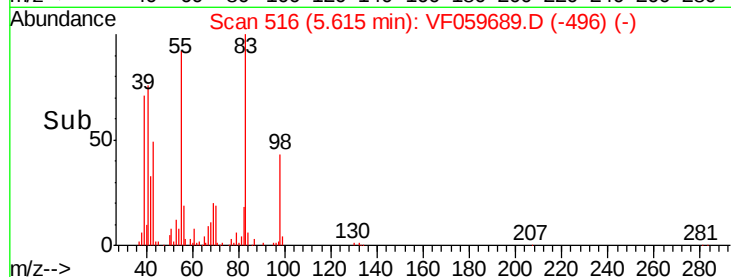
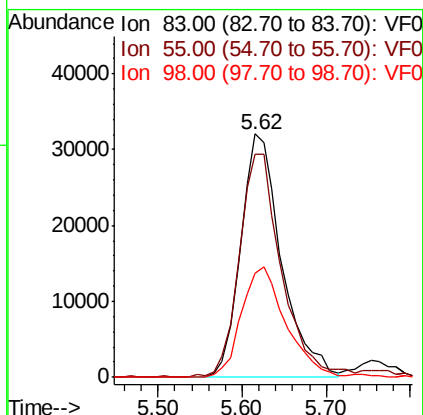
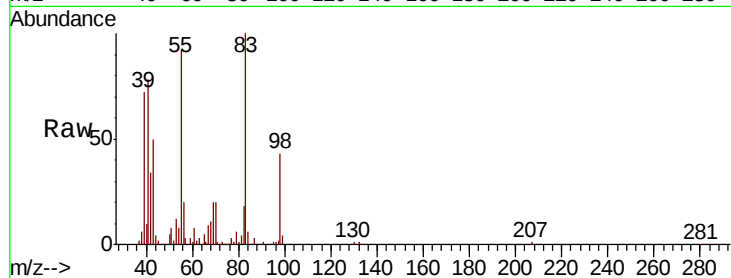




#39
Methvlcvclohexane
Concen: 42.751 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

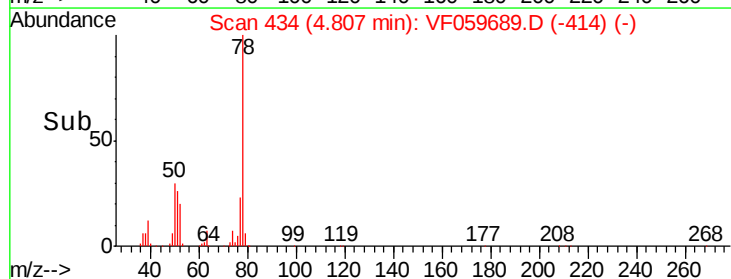
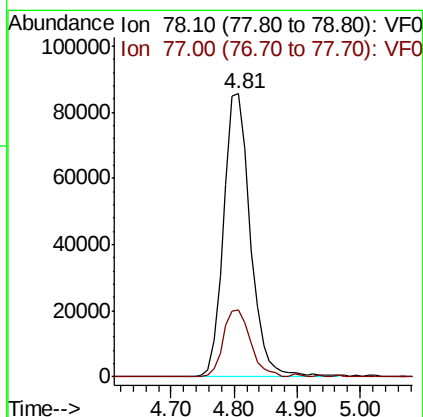
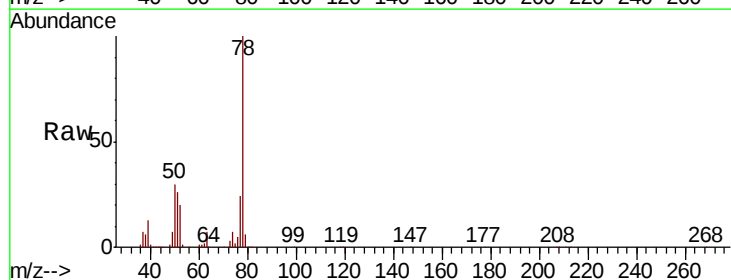
Instrument :
MSVOA_F
ClientSampleId :

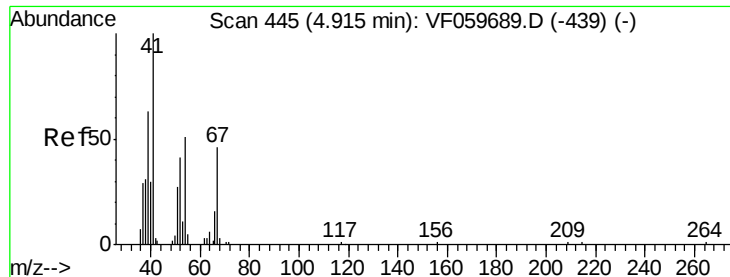
Tot Ion: 83 Resp: 108943
Ion Ratio Lower Upper
83 100
55 91.8 73.4 110.2
98 42.8 34.2 51.4



#40
Benzene
Concen: 45.495 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 78 Resp: 253012
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

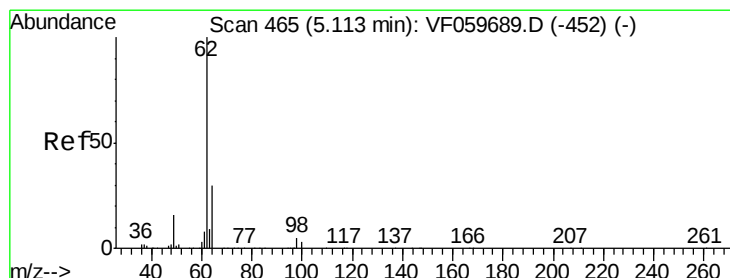
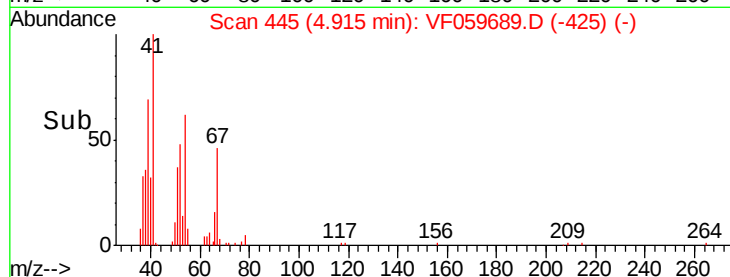
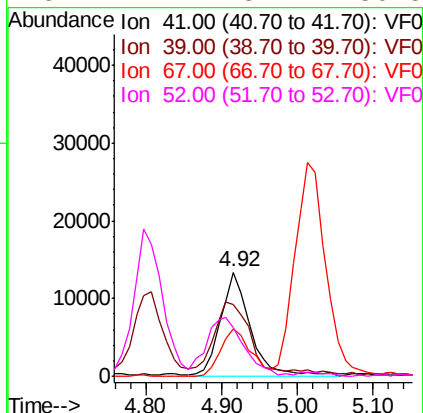
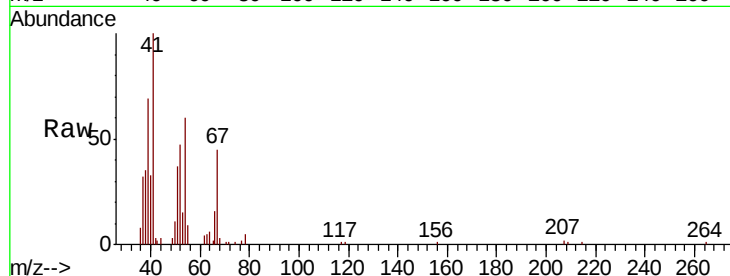




#41
Methacrylonitrile
Concen: 54.801 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

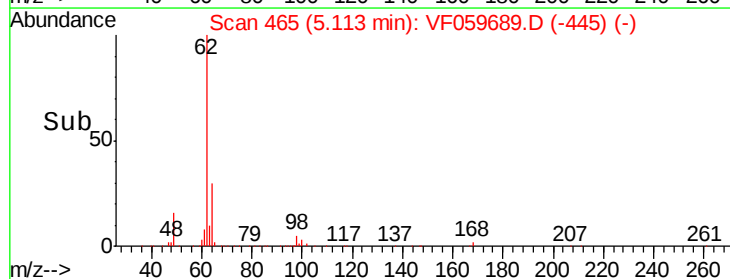
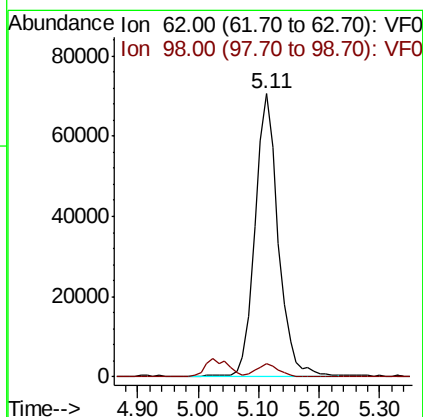
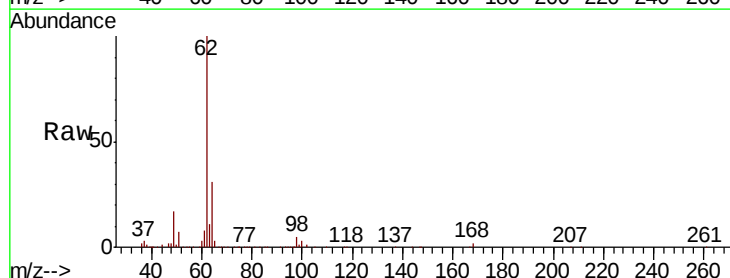
Instrument :
MSVOA_F
ClientSampleId :

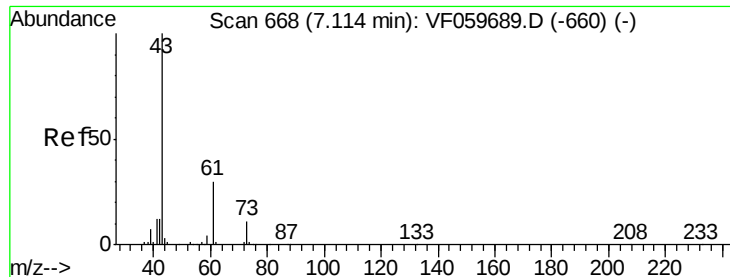
Tot Ion:	41	Resp:	36859
Ion	Ratio	Lower	Upper
41	100		
39	69.0	55.2	82.8
67	45.2	36.2	54.2
52	47.1	37.7	56.5



#42
1,2-Dichloroethane
Concen: 52.179 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion:	62	Resp:	188822
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.6



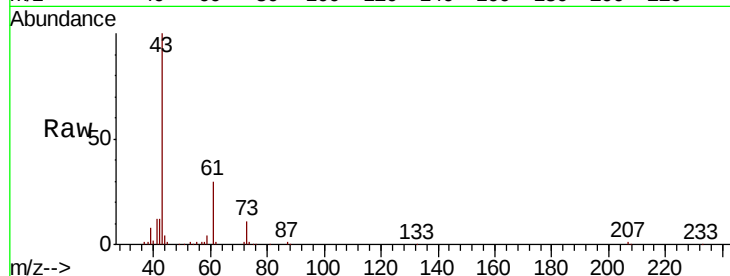


#43

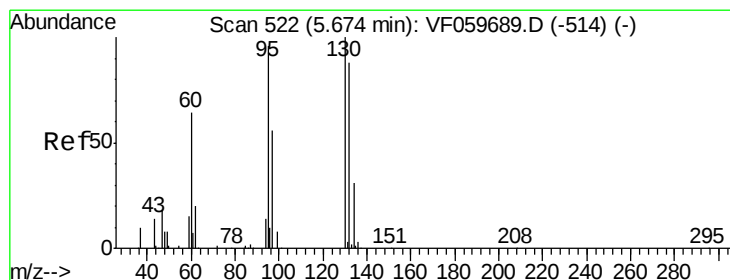
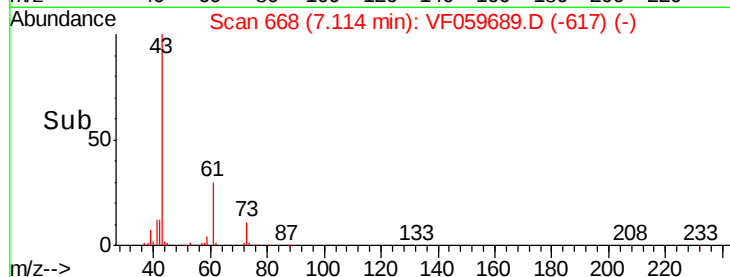
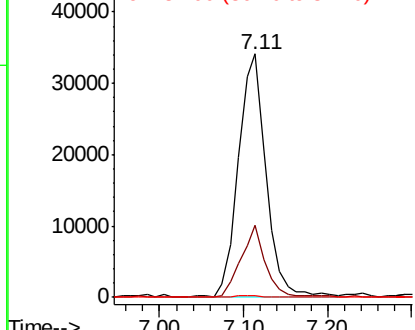
Isopropyl Acetate
 Concen: 54.479 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 77047
 Ion Ratio Lower Upper
 43 100
 61 29.8 23.8 35.8
 87 0.8 0.6 1.0



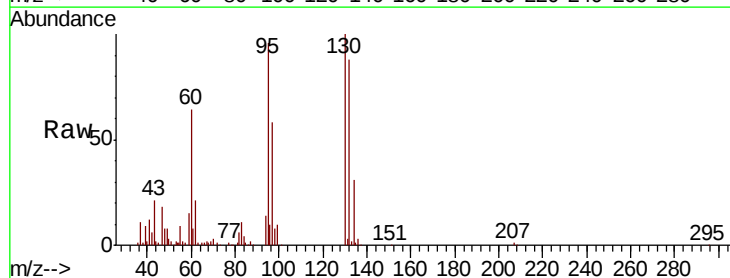
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



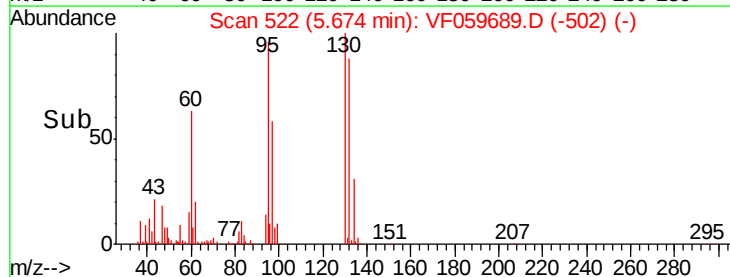
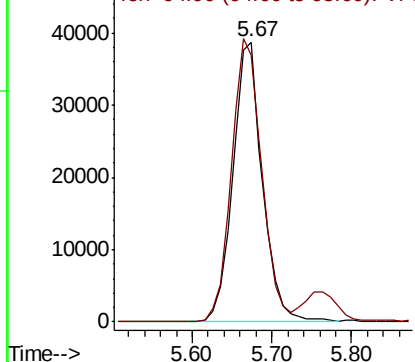
#44

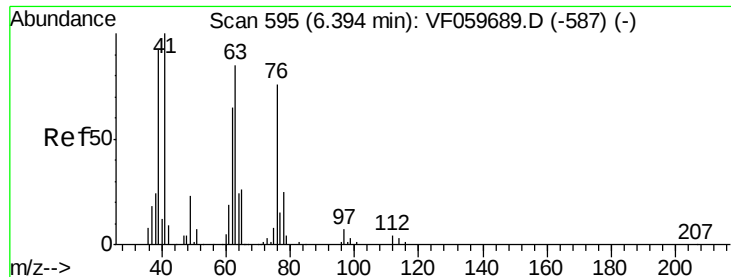
Trichloroethene
 Concen: 46.464 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion:130 Resp: 100080
 Ion Ratio Lower Upper
 130 100
 95 95.5 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: 49.557 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

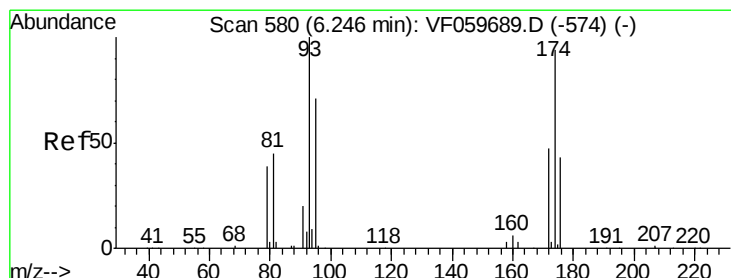
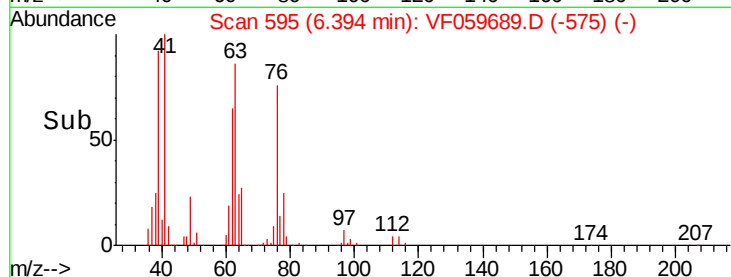
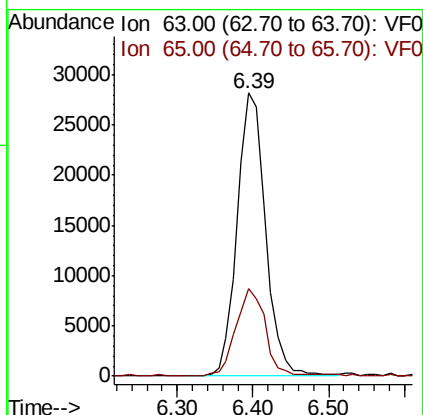
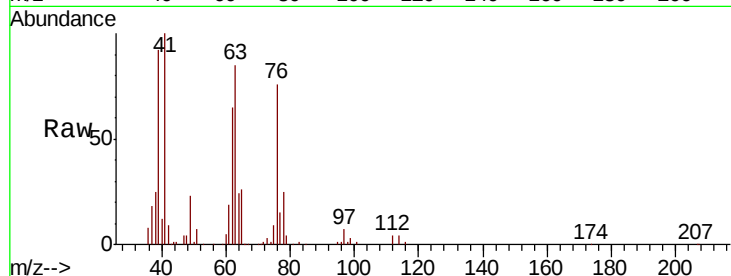
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 73243

Ion Ratio Lower Upper

63 100

65 31.5 25.2 37.8



#46

Dibromomethane

Concen: 53.777 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

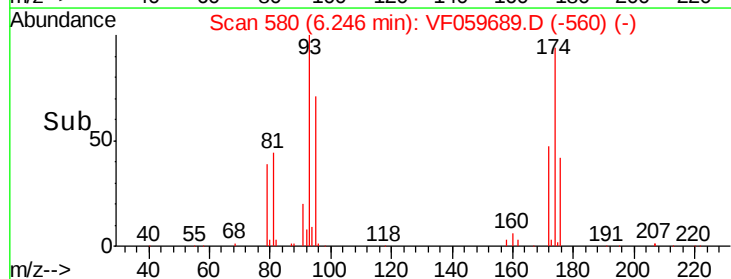
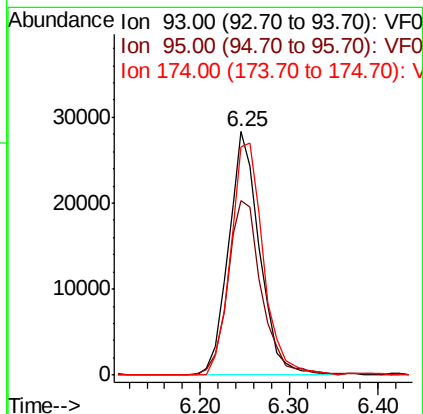
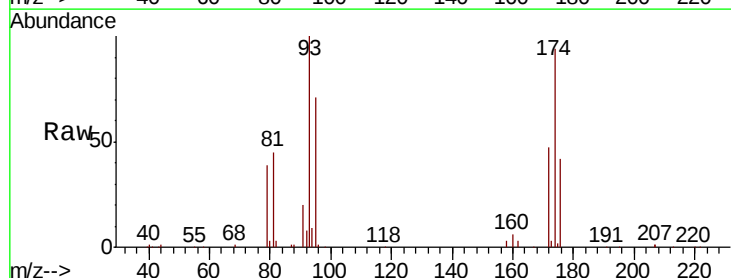
Tgt Ion: 93 Resp: 69017

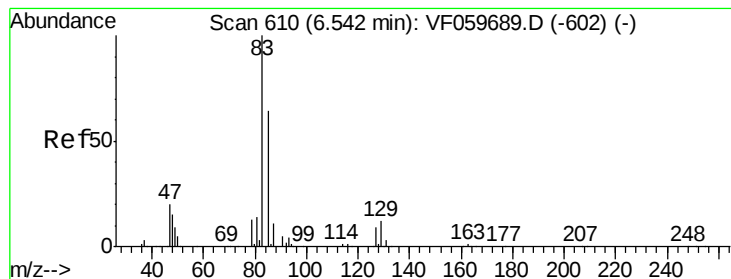
Ion Ratio Lower Upper

93 100

95 71.4 57.1 85.7

174 93.5 74.8 112.2





#47

Bromodichloromethane

Concen: 50.130 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

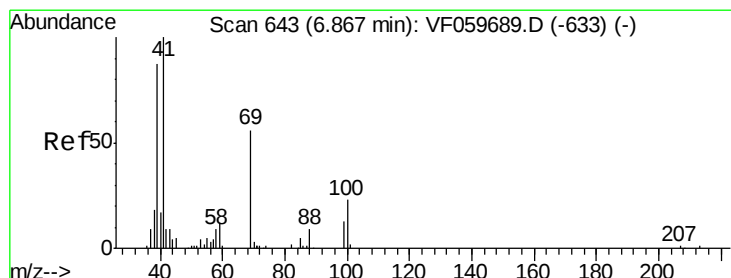
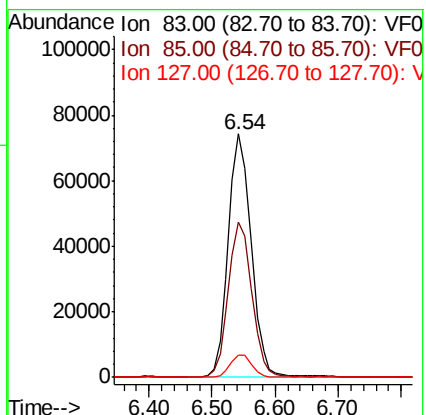
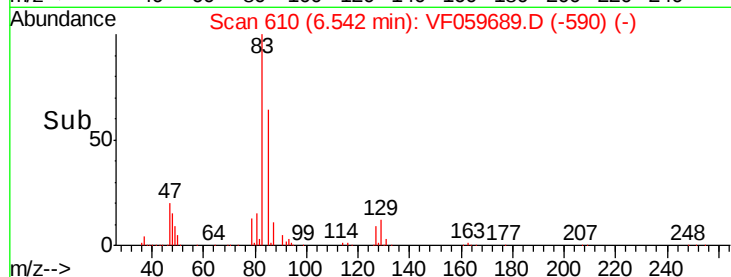
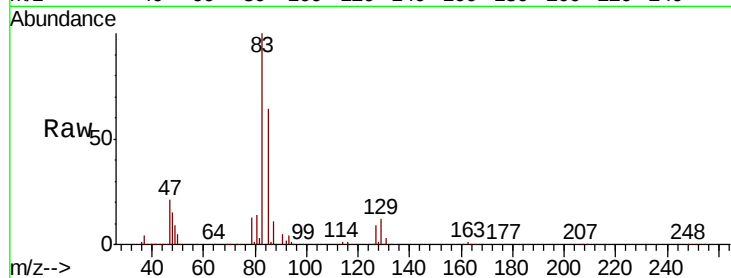
Tot Ion: 83 Resp: 188501

Ion Ratio Lower Upper

83 100

85 63.8 51.0 76.6

127 9.1 7.3 10.9



#48

Methyl methacrylate

Concen: 55.284 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

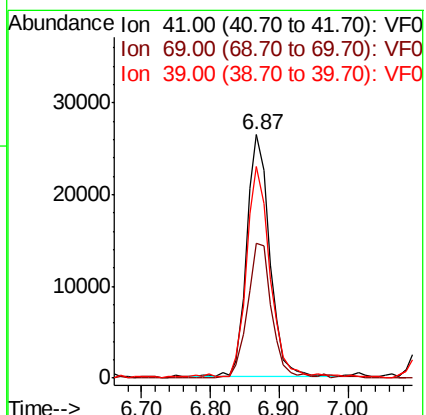
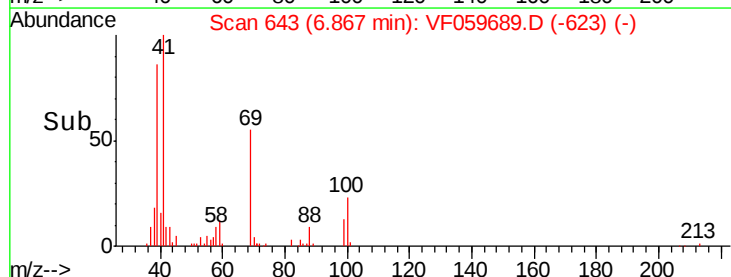
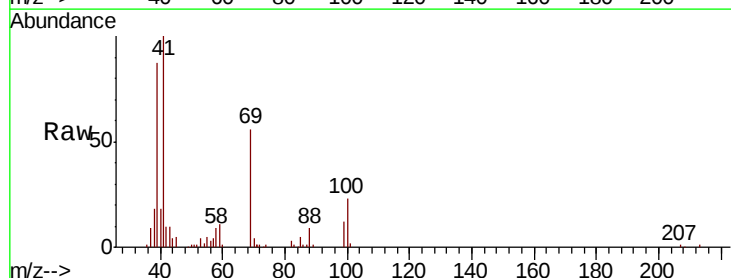
Tgt Ion: 41 Resp: 61363

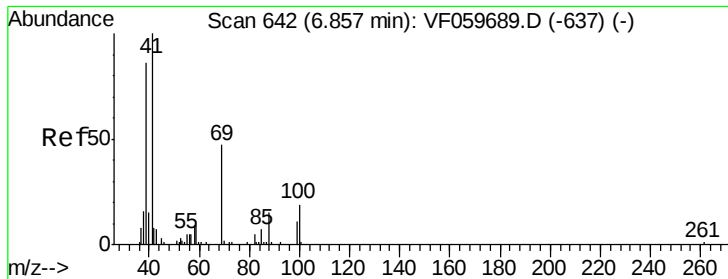
Ion Ratio Lower Upper

41 100

69 55.5 44.4 66.6

39 86.8 69.4 104.2

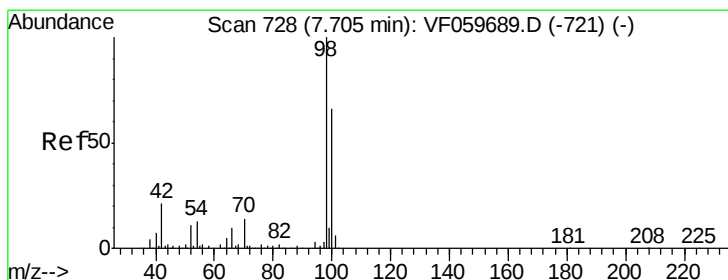
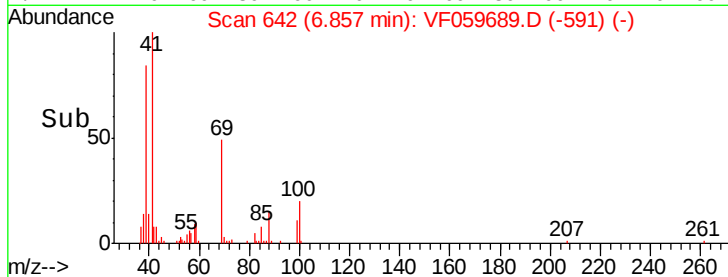
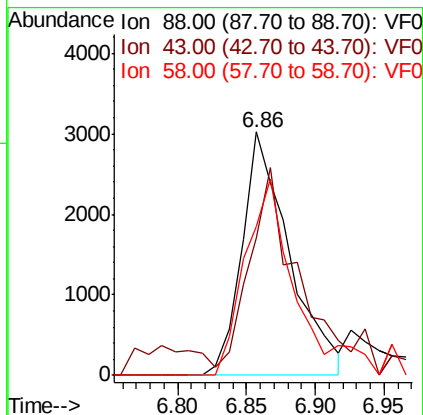
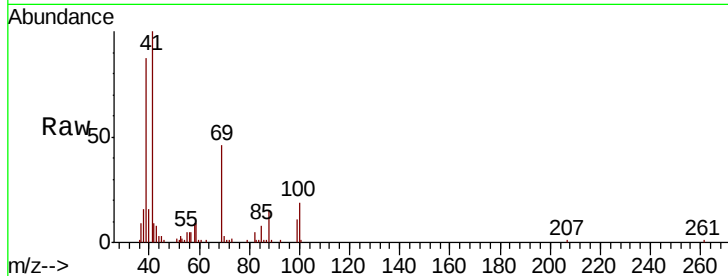




#49
1,4-Dioxane
Concen: 819.844 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

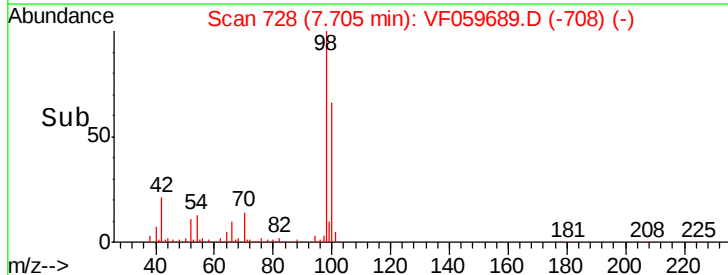
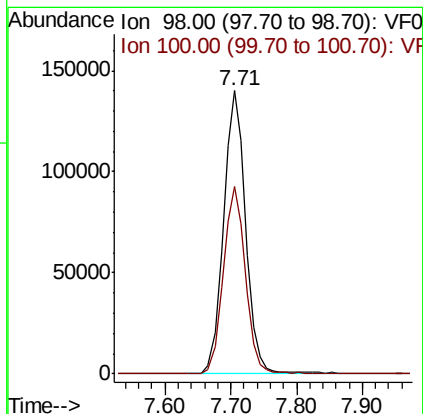
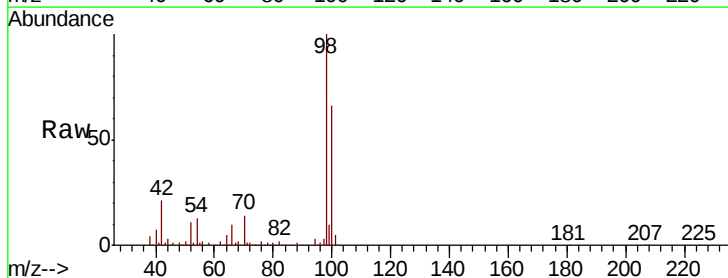
Instrument :
MSVOA_F
ClientSampleId :

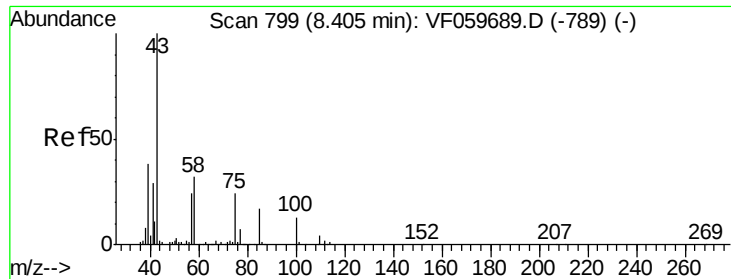
Tot Ion: 88 Resp: 7262
Ion Ratio Lower Upper
88 100
43 56.5 45.2 67.8
58 61.3 49.0 73.6



#50
Toluene-d8
Concen: 49.197 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 98 Resp: 328640
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 278.587 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

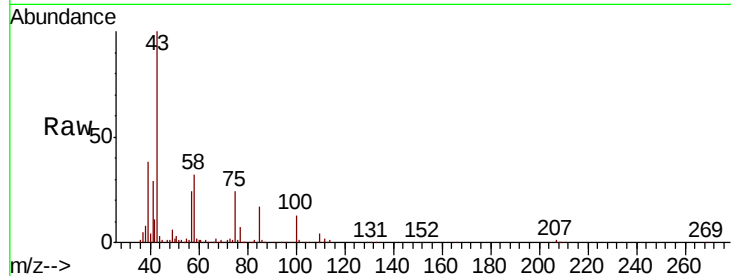
ClientSampleId :

Tot Ion: 43 Resp: 317060

Ion Ratio Lower Upper

43 100

58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

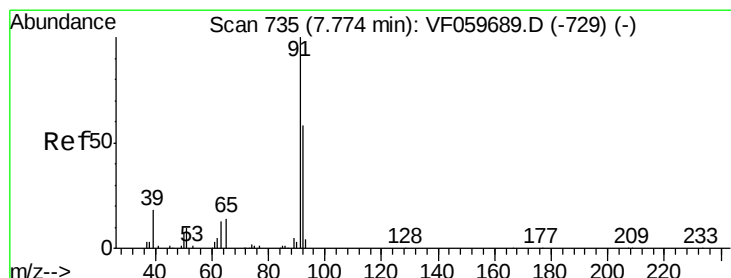
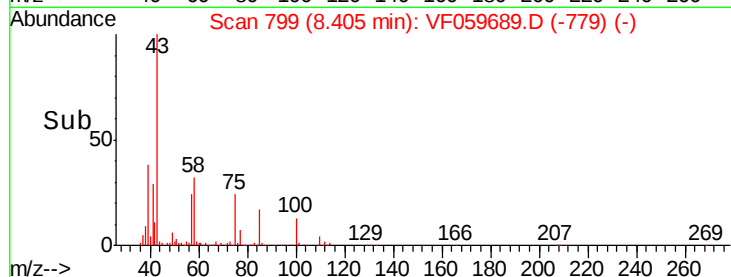
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 45.746 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059689.D

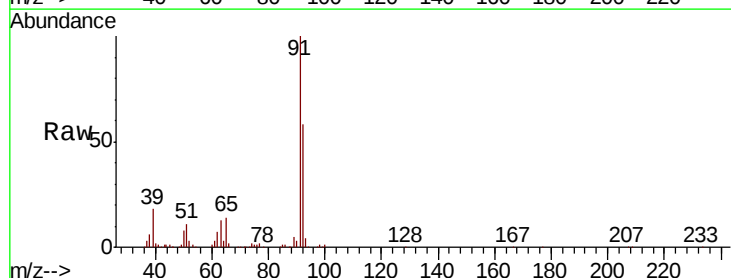
Acq: 30 Jul 2018 15:30

Tgt Ion: 92 Resp: 188972

Ion Ratio Lower Upper

92 100

91 173.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

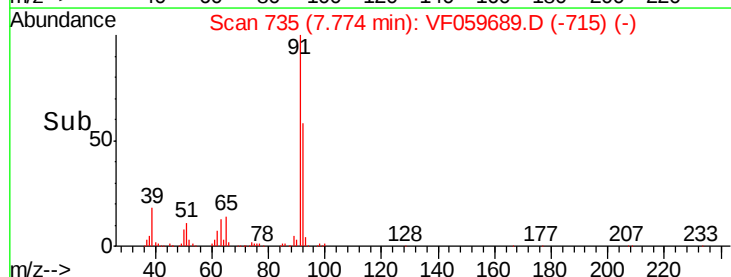
150000

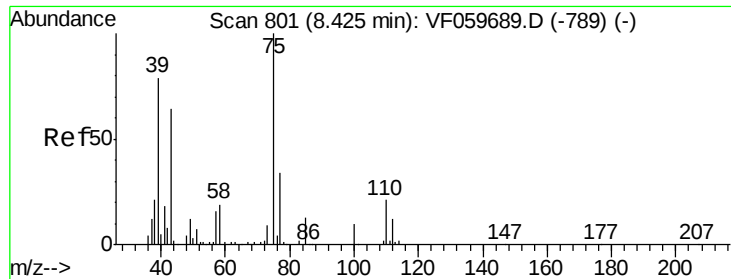
100000

50000

0

Time--> 7.70 7.80 7.90

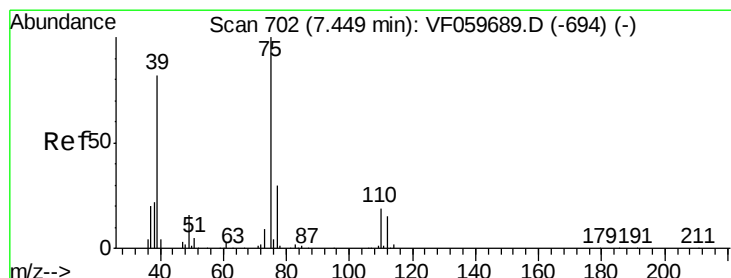
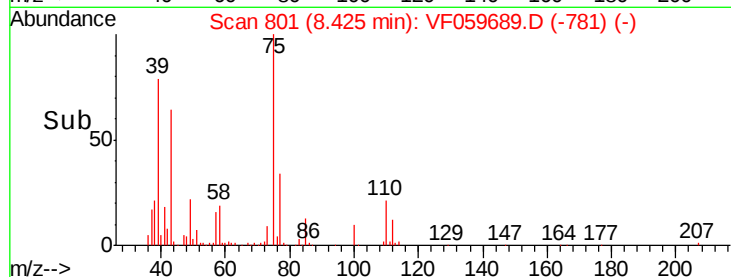
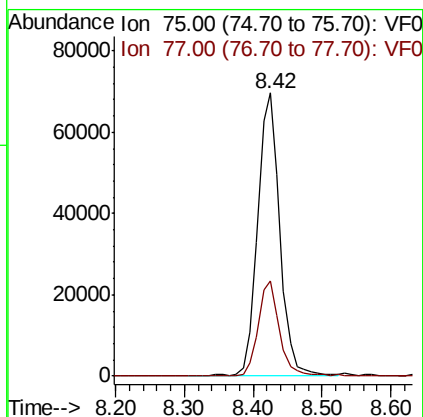
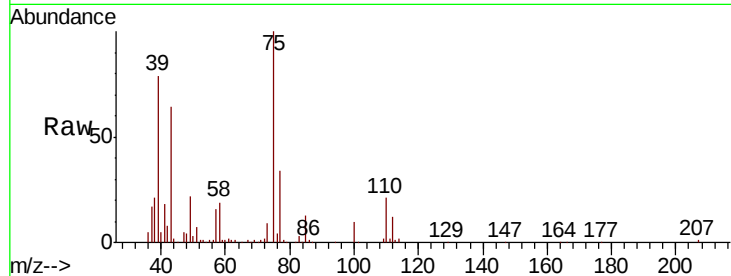




#53
 t-1,3-Dichloropropene
 Concen: 52.286 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

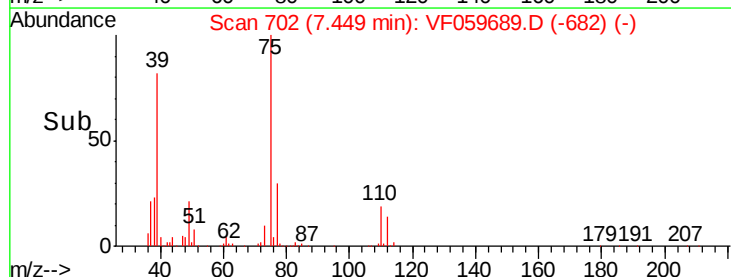
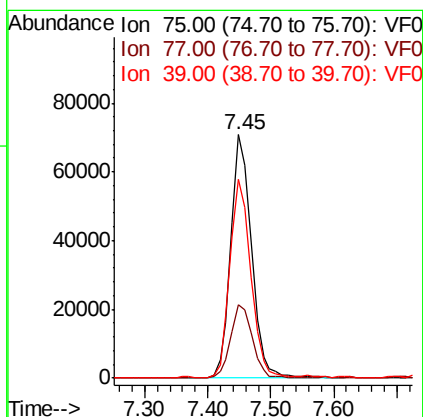
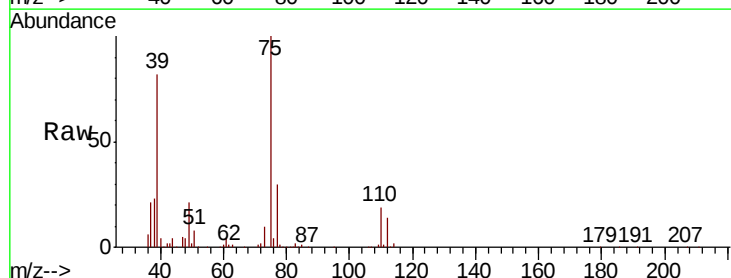
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 75 Resp: 157260
 Ion Ratio Lower Upper
 75 100
 77 33.7 27.0 40.4



#54
 cis-1,3-Dichloropropene
 Concen: 51.624 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion: 75 Resp: 161109
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.0 36.0
 39 81.8 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 54.327 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

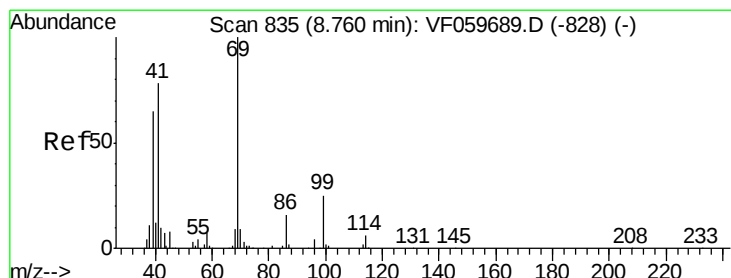
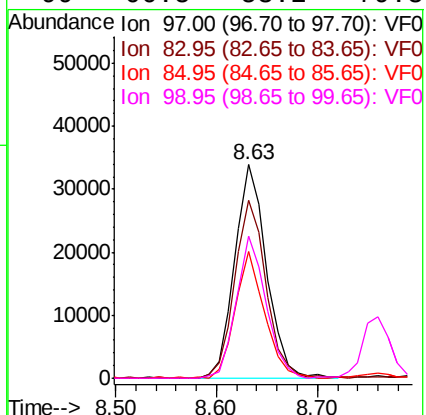
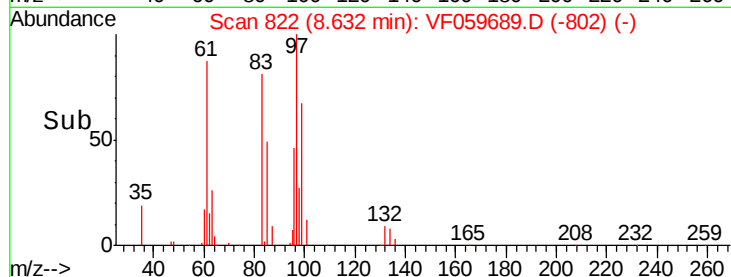
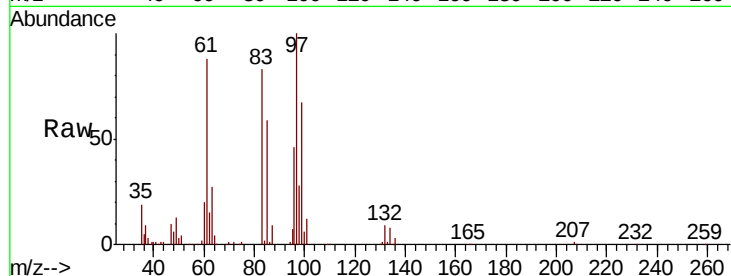
Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 74537

Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.6	100.0
85	59.2	47.4	71.0
99	66.5	53.2	79.8



#56

Ethyl methacrylate

Concen: 57.531 ug/l

RT: 8.76 min Scan# 835

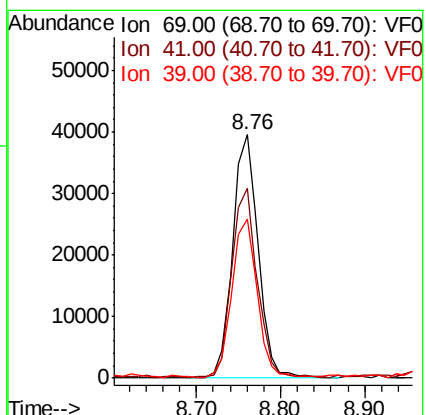
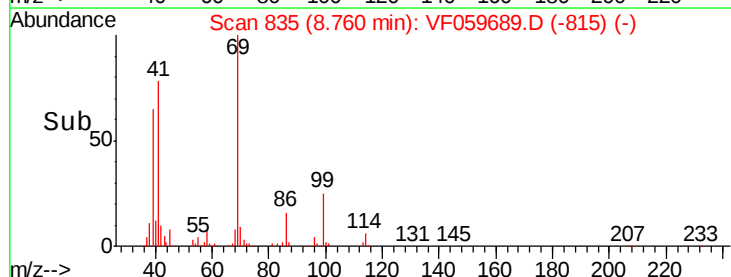
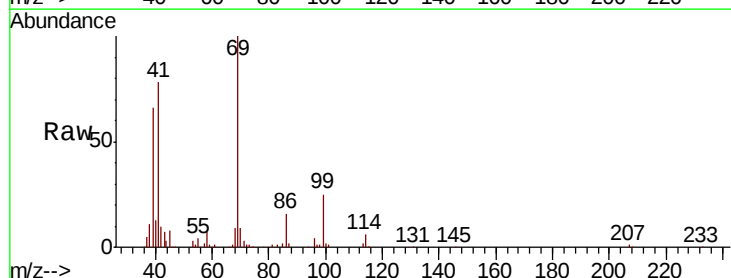
Delta R.T. 0.00 min

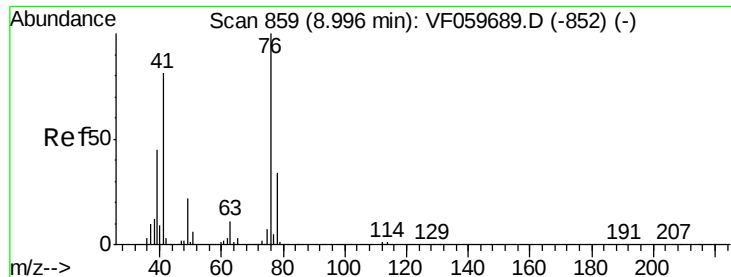
Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion: 69 Resp: 83679

Ion	Ratio	Lower	Upper
69	100		
41	77.9	62.3	93.5
39	65.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 52.884 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

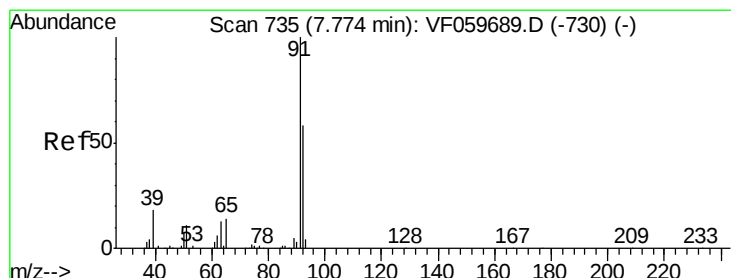
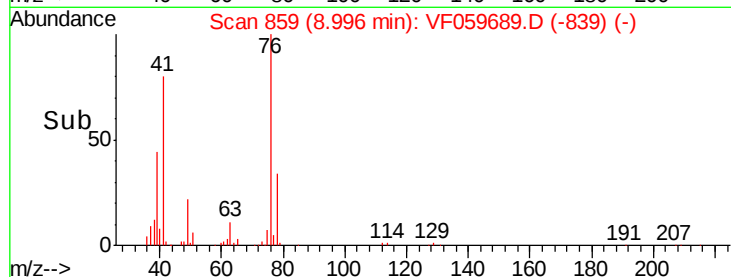
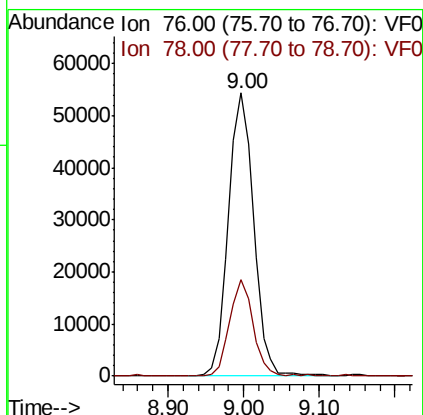
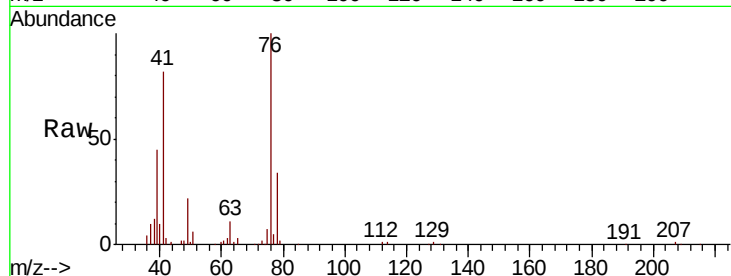
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 125469

Ion Ratio Lower Upper

76 100

78 34.0 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 238.359 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059689.D

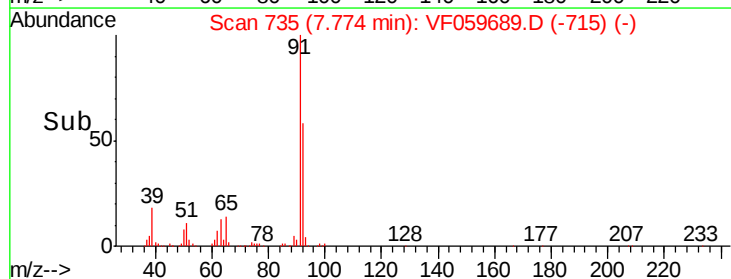
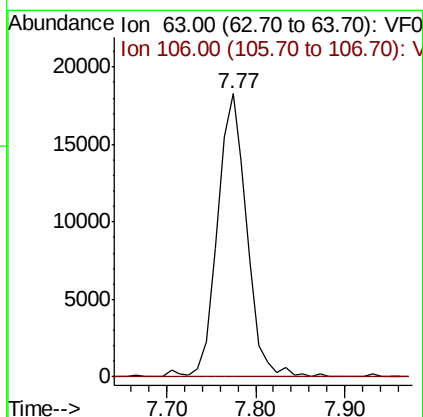
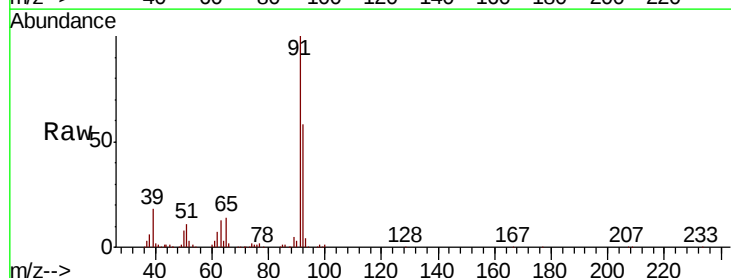
Acq: 30 Jul 2018 15:30

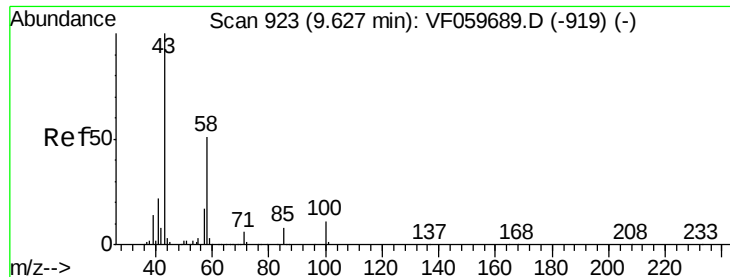
Tgt Ion: 63 Resp: 41860

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

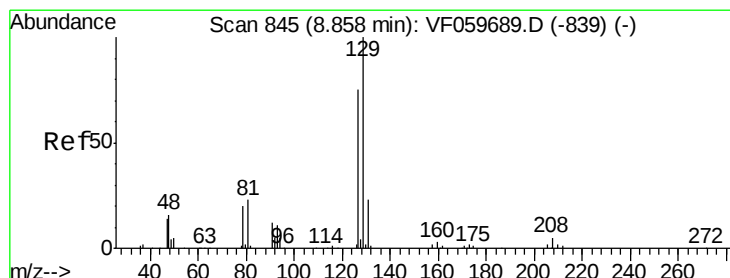
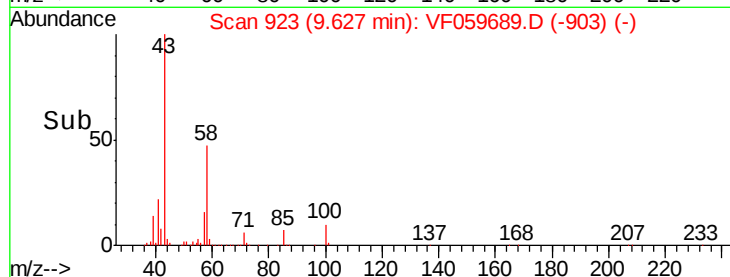
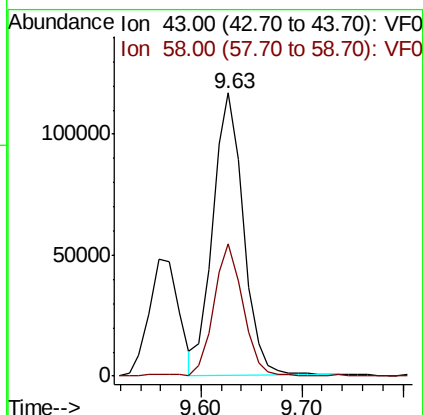
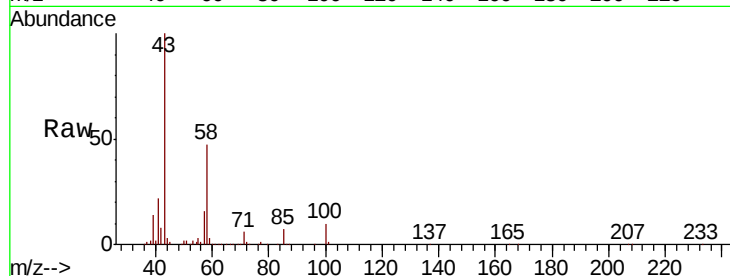




#59
2-Hexanone
Concen: 291.490 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

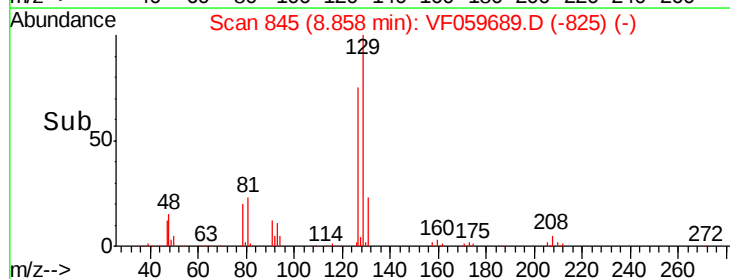
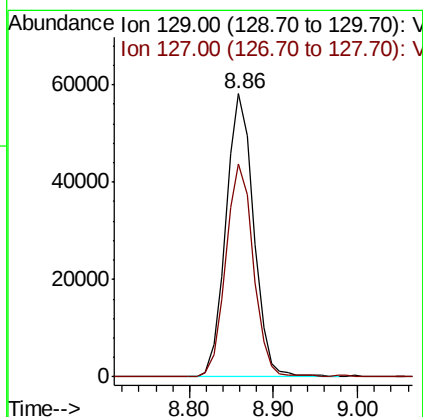
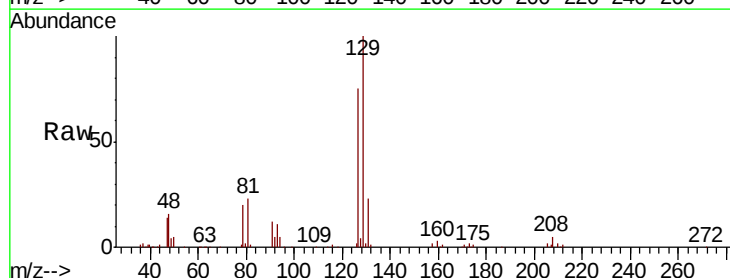
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 246081
Ion Ratio Lower Upper
43 100
58 46.5 23.3 69.8



#60
Dibromochloromethane
Concen: 53.876 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 129 Resp: 133352
Ion Ratio Lower Upper
129 100
127 75.4 37.7 113.1

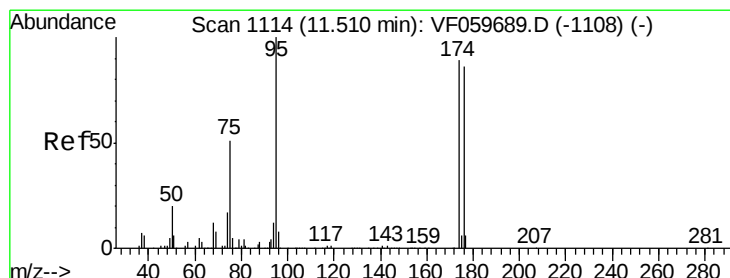
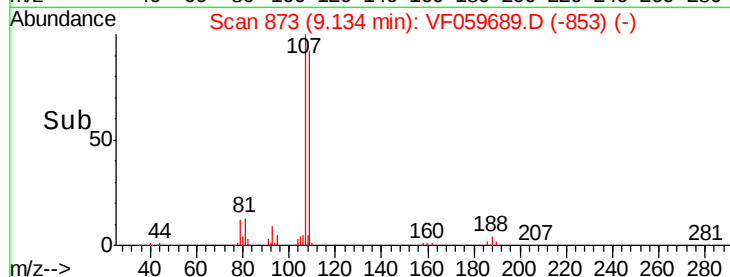
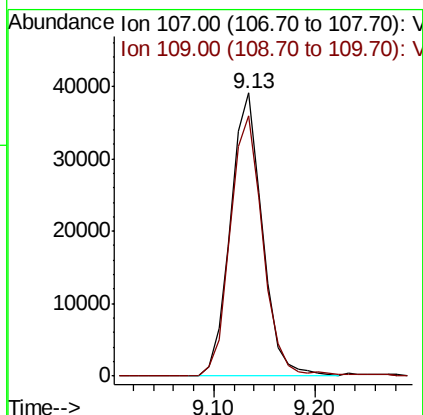
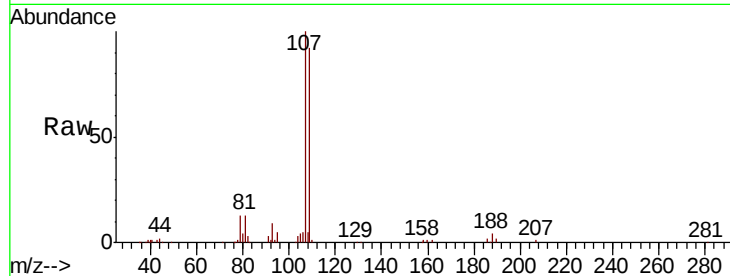




#61
 1,2-Dibromoethane
 Concen: 51.637 ug/l
 RT: 9.13 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

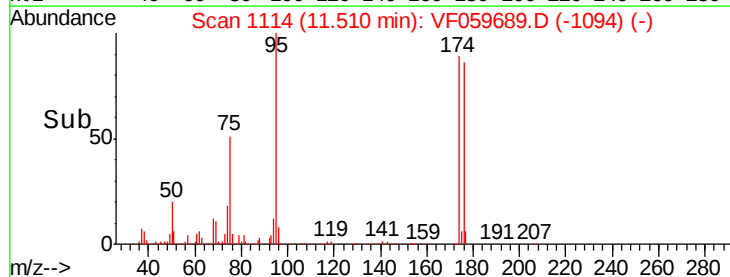
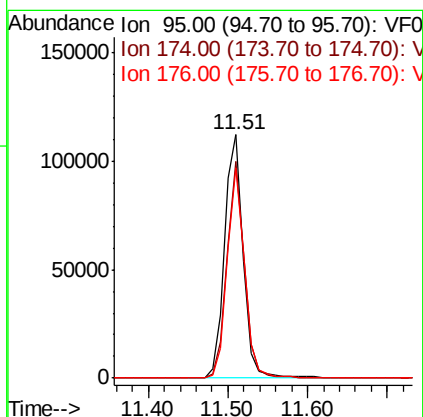
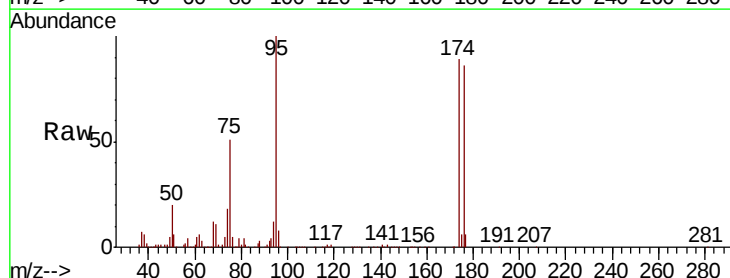
Instrument :
 MSVOA_F
 ClientSampleId :

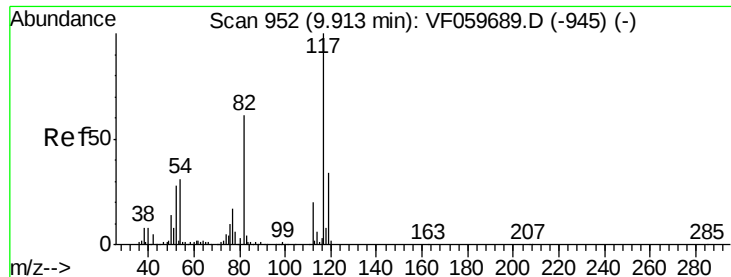
Tot Ion:107 Resp: 85673
 Ion Ratio Lower Upper
 107 100
 109 92.0 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 51.426 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion: 95 Resp: 185870
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.4
 176 86.5 0.0 173.0

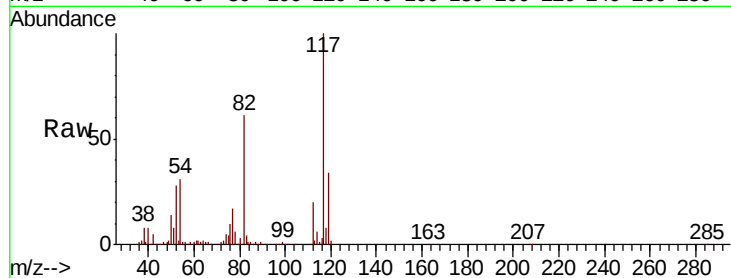




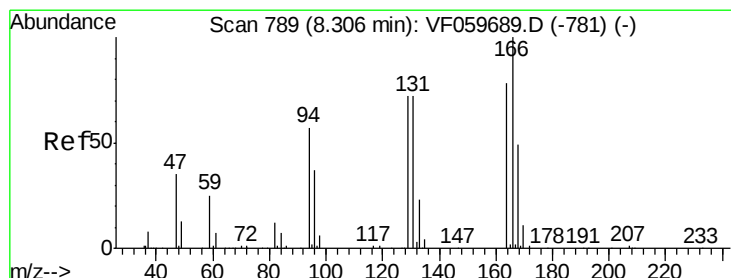
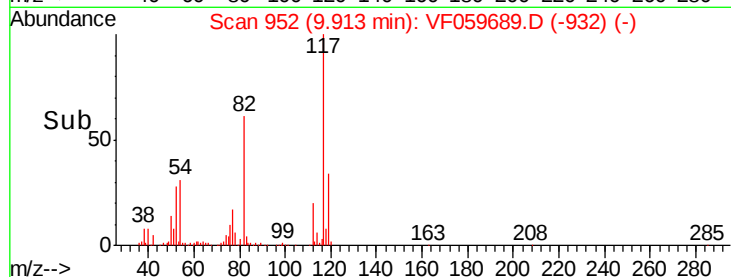
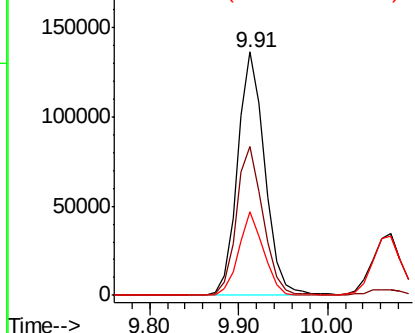
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.0	73.4
119	34.1	27.3	40.9

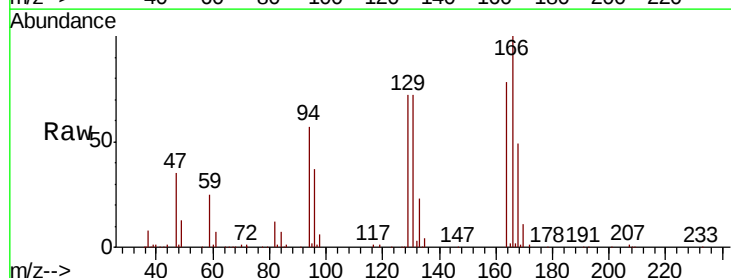


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

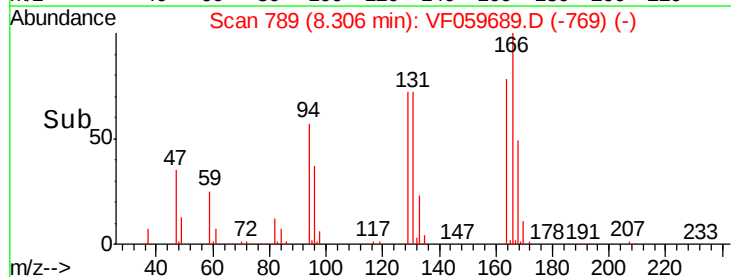
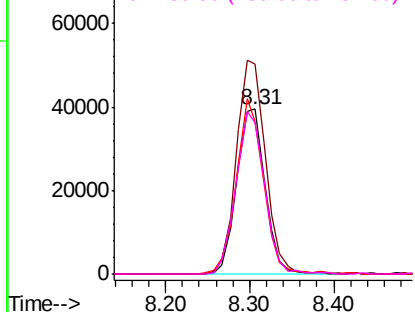


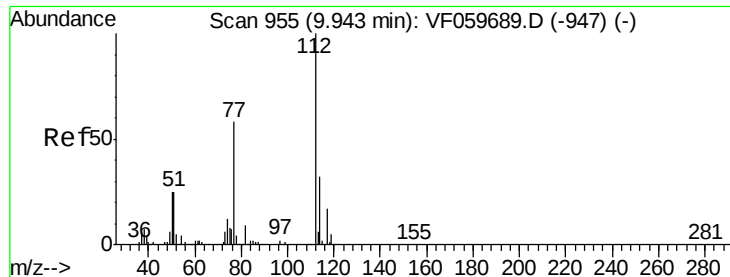
#64
Tetrachloroethene
Concen: 40.553 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	92.2	73.8	110.6
131	91.4	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

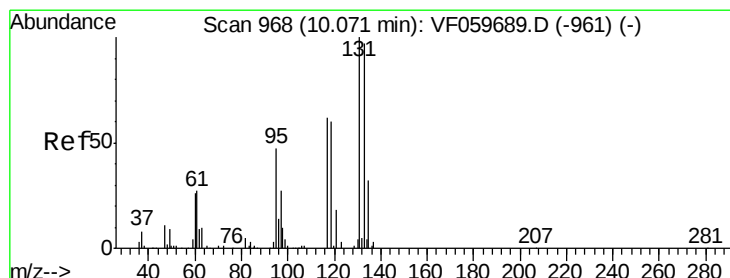
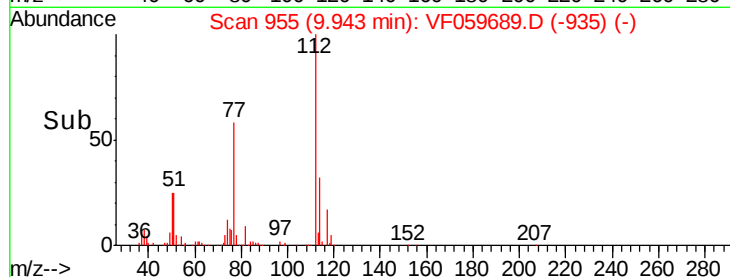
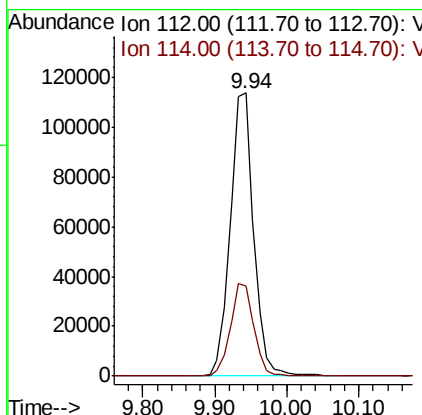
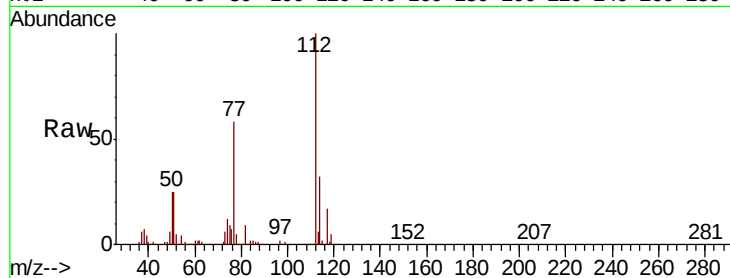




#65
Chlorobenzene
Concen: 45.873 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

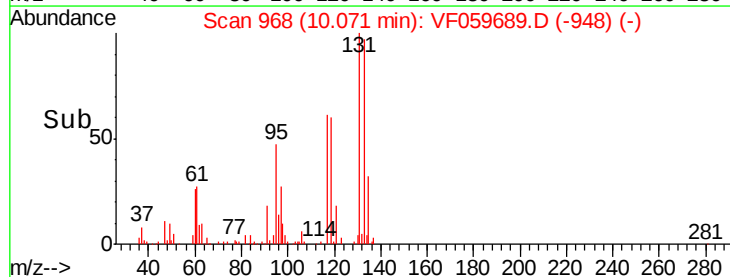
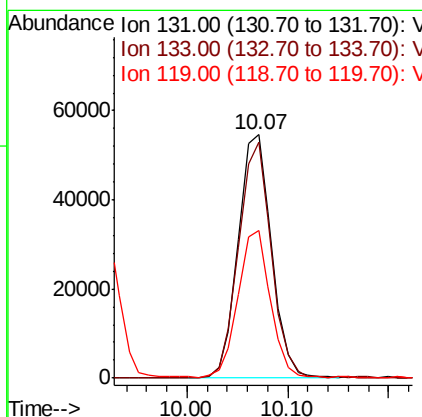
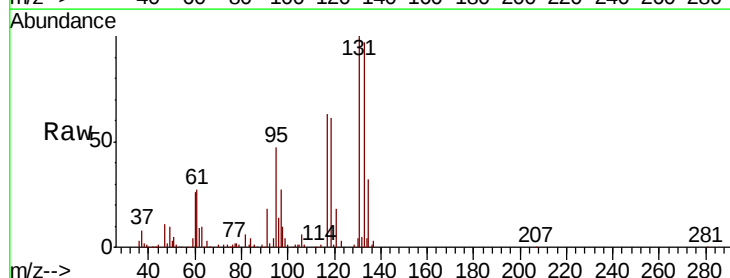
Instrument :
MSVOA_F
ClientSampleId :

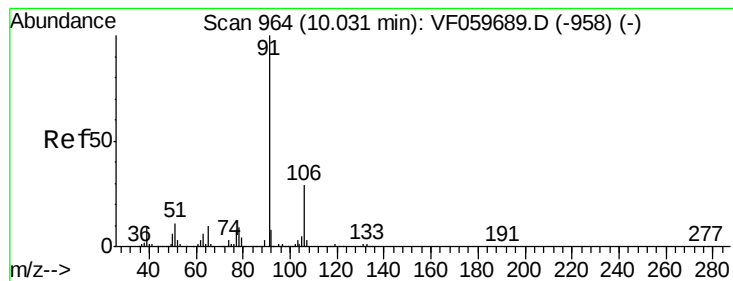
Tot Ion:112 Resp: 257475
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.673 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion:131 Resp: 125736
Ion Ratio Lower Upper
131 100
133 97.0 48.5 145.5
119 60.5 30.3 90.8





#67

Ethyl Benzene

Concen: 45.556 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

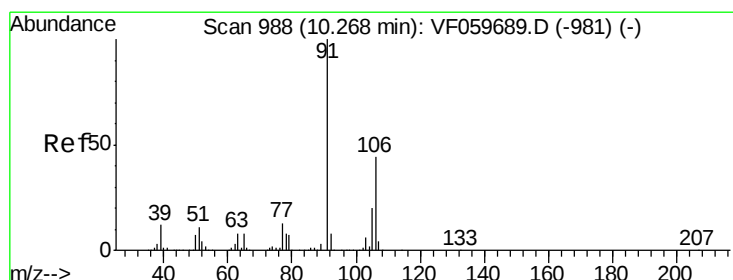
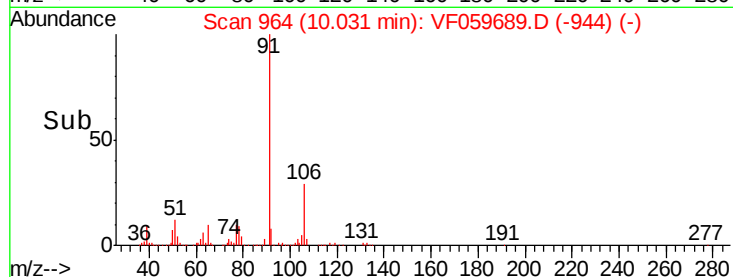
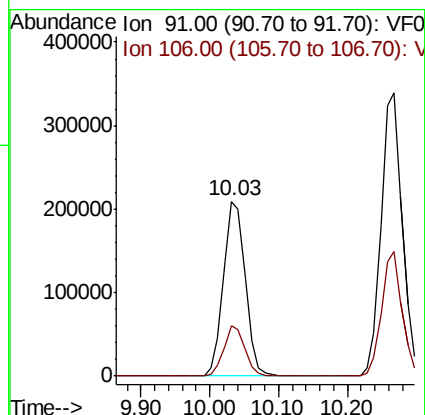
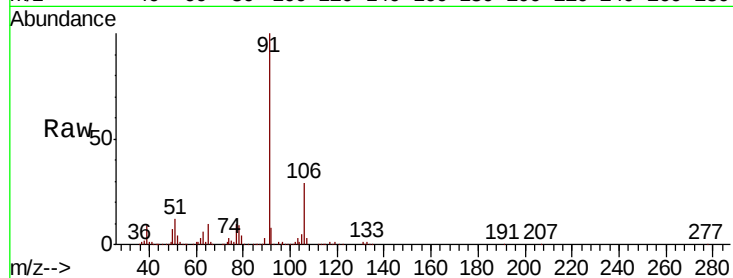
ClientSampleId :

Tot Ion: 91 Resp: 463667

Ion Ratio Lower Upper

91 100

106 28.6 22.9 34.3



#68

m/p-Xylenes

Concen: 89.235 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059689.D

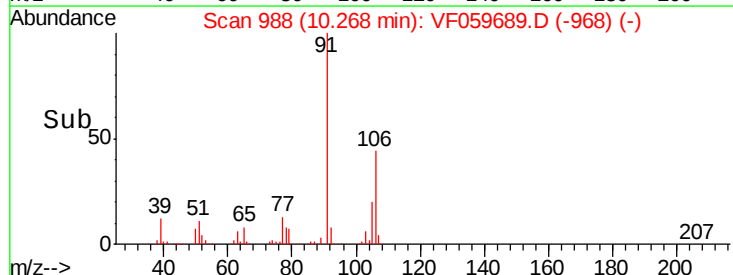
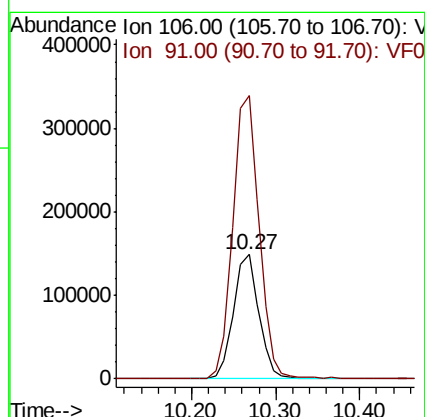
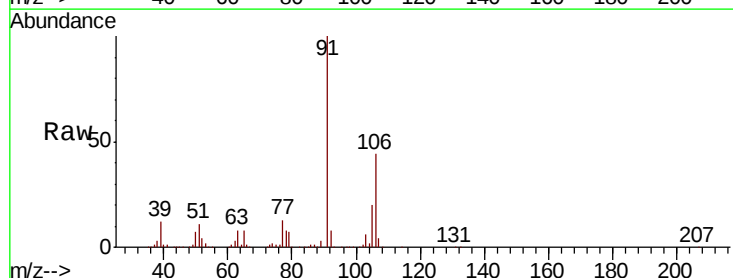
Acq: 30 Jul 2018 15:30

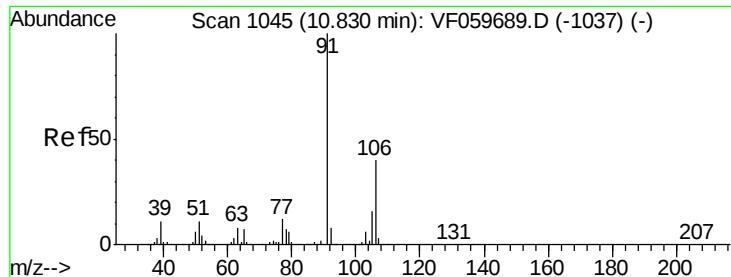
Tgt Ion: 106 Resp: 314317

Ion Ratio Lower Upper

106 100

91 227.1 181.7 272.5

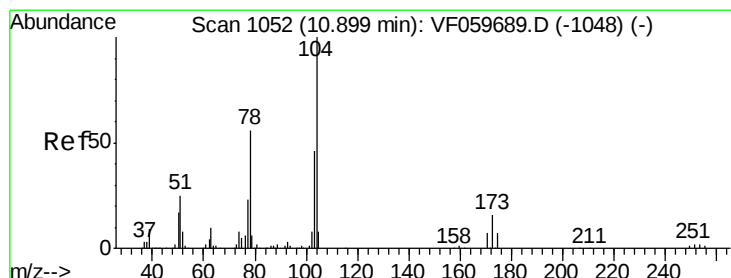
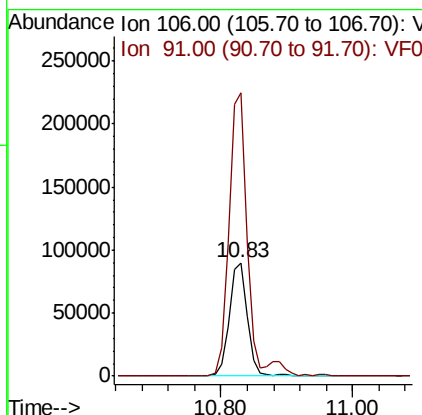
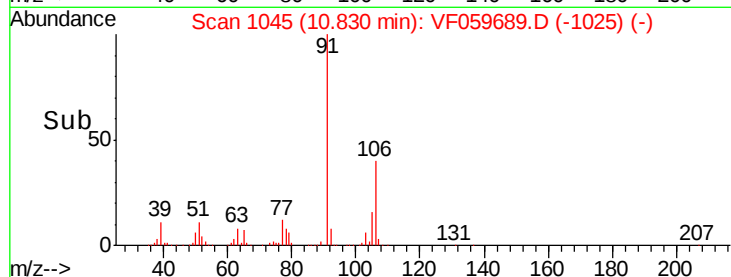
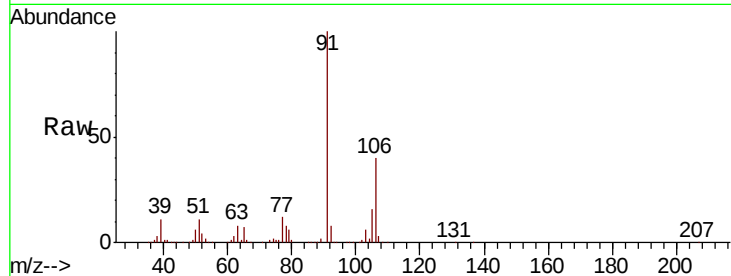




#69
o-Xylene
Concen: 45.696 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

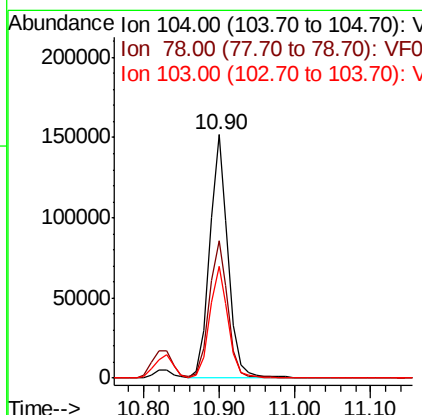
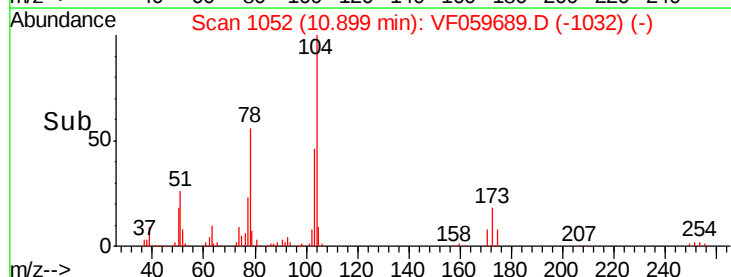
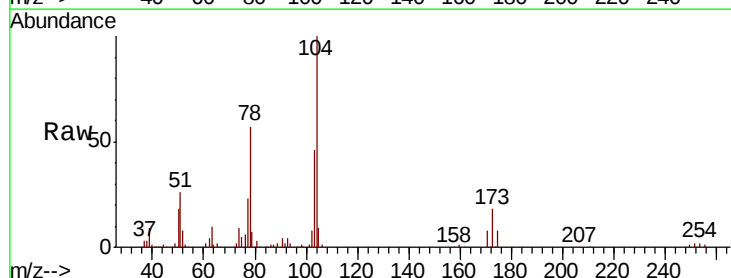
Instrument :
MSVOA_F
ClientSampled :

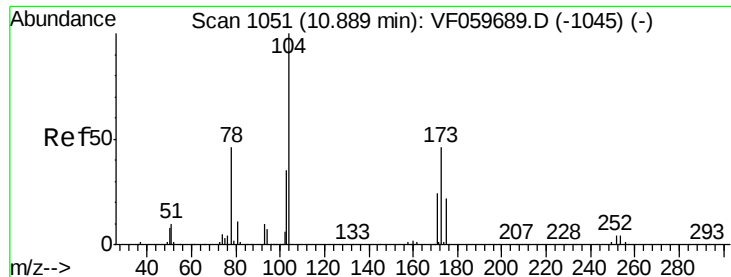
Tot Ion:106 Resp: 173822
Ion Ratio Lower Upper
106 100
91 249.1 124.6 373.7



#70
Styrene
Concen: 46.705 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion:104 Resp: 258371
Ion Ratio Lower Upper
104 100
78 56.6 45.3 67.9
103 45.7 36.6 54.8





#71

Bromoform

Concen: 53.197 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampled :

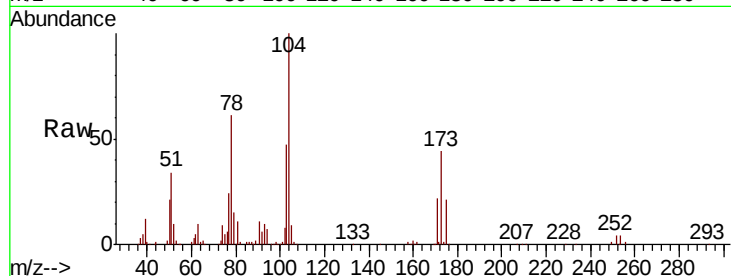
Tot Ion:173 Resp: 84739

Ion Ratio Lower Upper

173 100

175 46.7 23.4 70.0

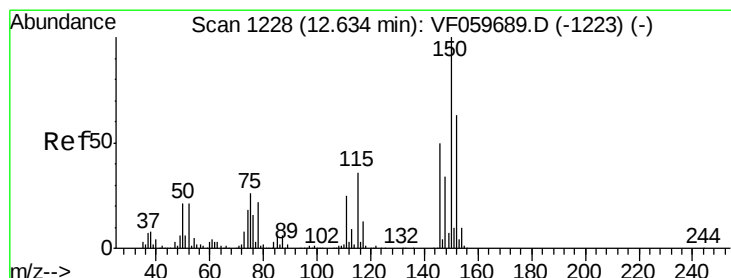
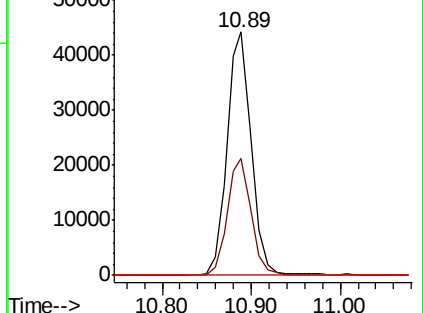
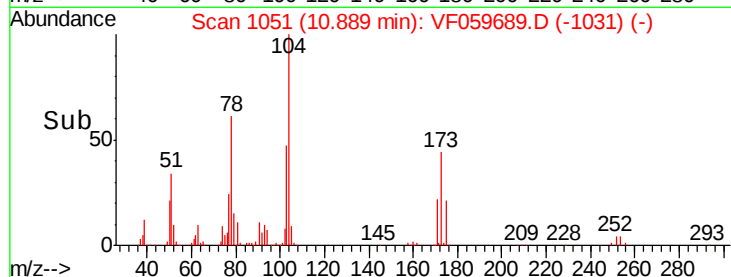
254 0.0 0.0 0.0



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# 1228

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

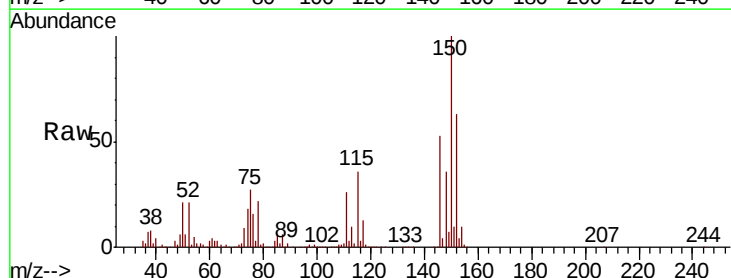
Tgt Ion:152 Resp: 193328

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

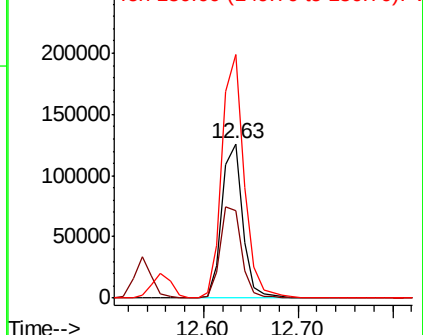
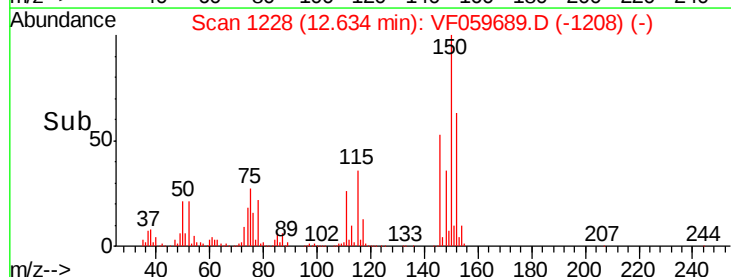
150 158.1 0.0 316.2

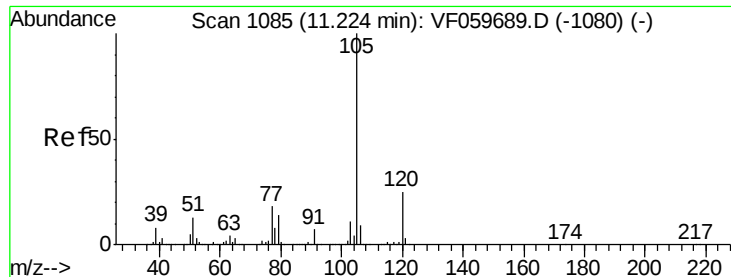


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 43.834 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

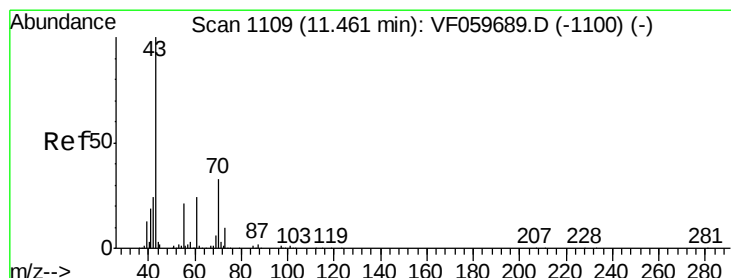
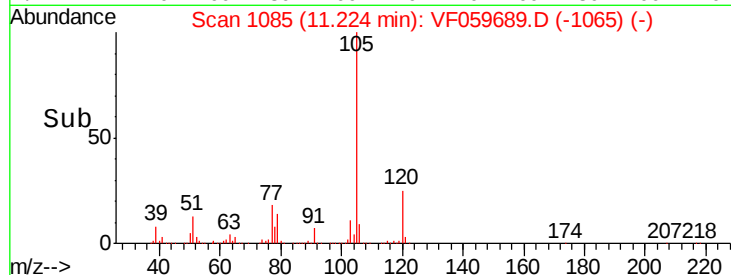
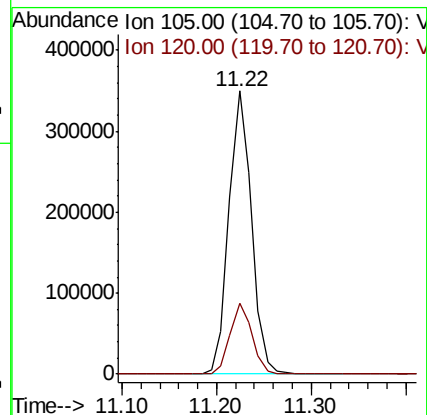
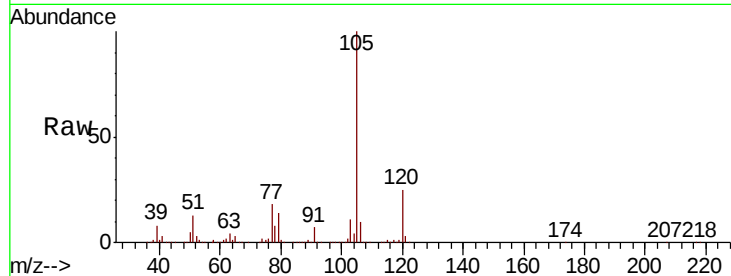
ClientSampleId :

Tot Ion:105 Resp: 578431

Ion Ratio Lower Upper

105 100

120 24.9 12.4 37.4



#74

N-ethyl acetate

Concen: 52.523 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion: 43 Resp: 142049

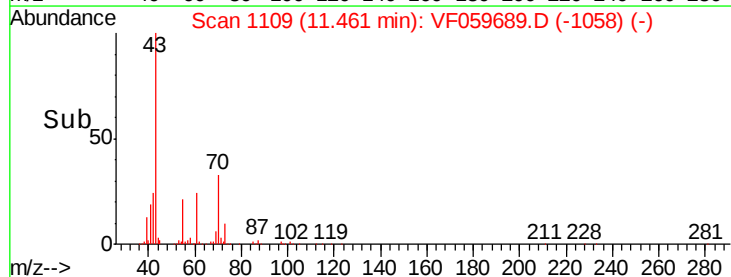
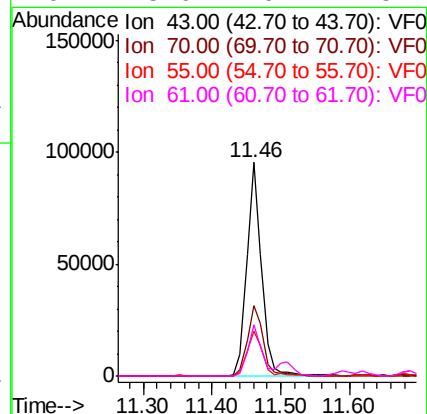
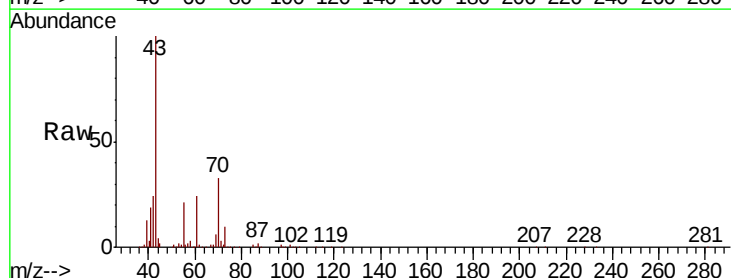
Ion Ratio Lower Upper

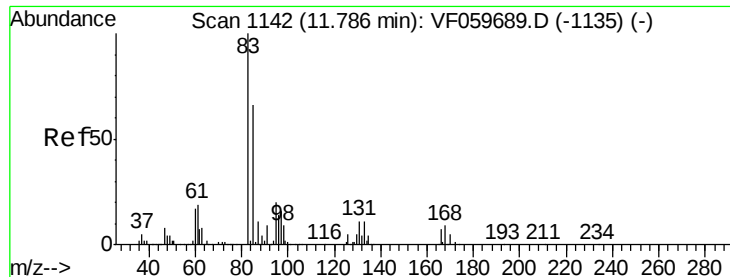
43 100

70 32.9 26.3 39.5

55 20.8 16.6 25.0

61 23.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.169 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

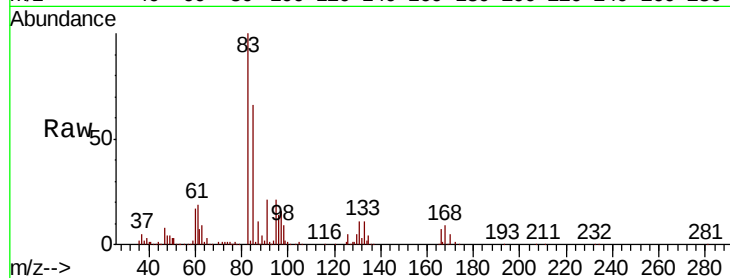
Tot Ion: 83 Resp: 108714

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.3

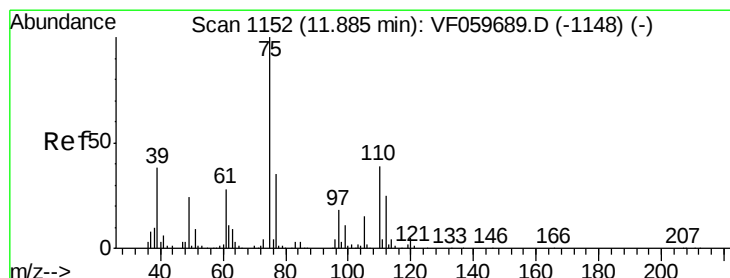
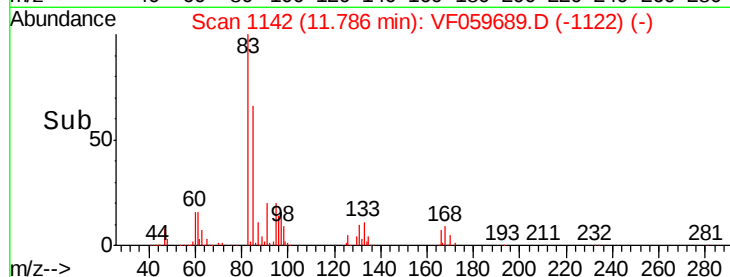
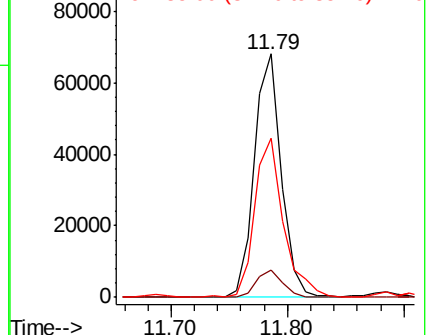
85 65.5 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 49.713 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059689.D

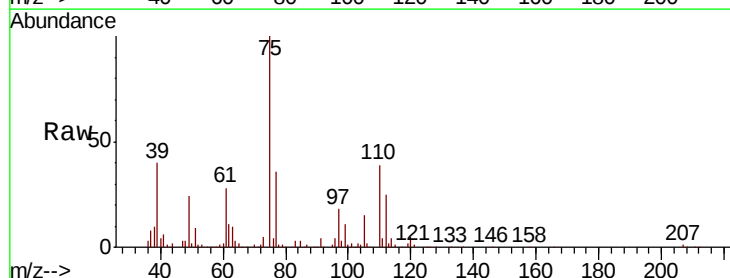
Acq: 30 Jul 2018 15:30

Tgt Ion: 75 Resp: 88474

Ion Ratio Lower Upper

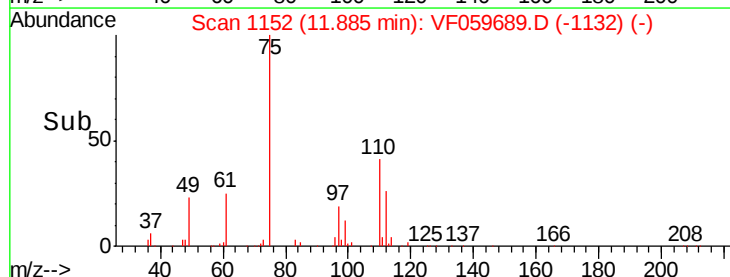
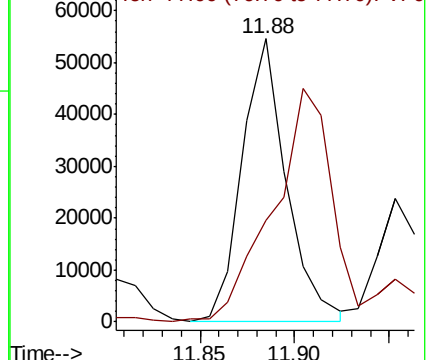
75 100

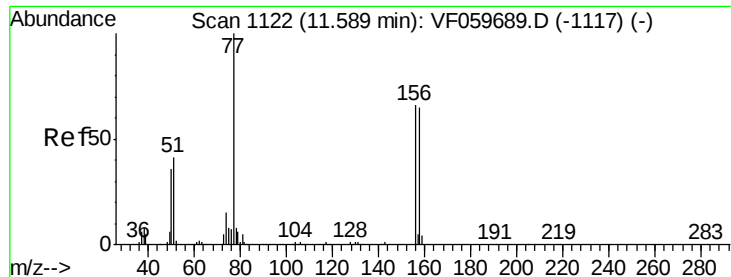
77 36.0 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 45.522 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

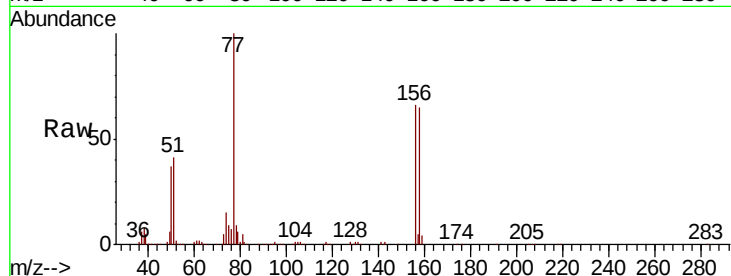
Tot Ion:156 Resp: 145806

Ion Ratio Lower Upper

156 100

77 150.4 75.2 225.6

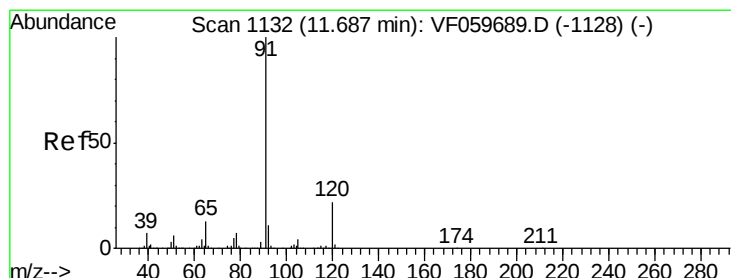
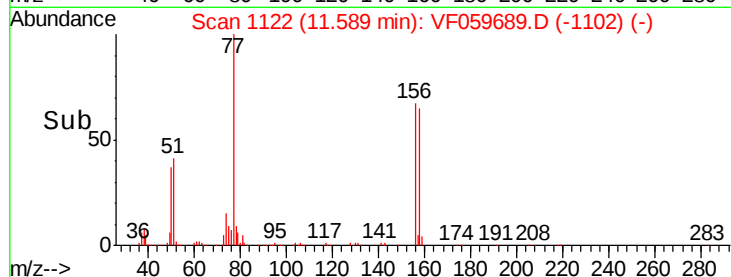
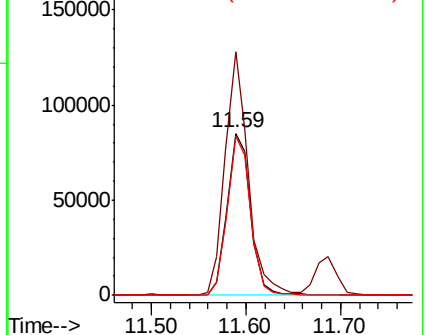
158 98.2 49.1 147.3



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: 42.470 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059689.D

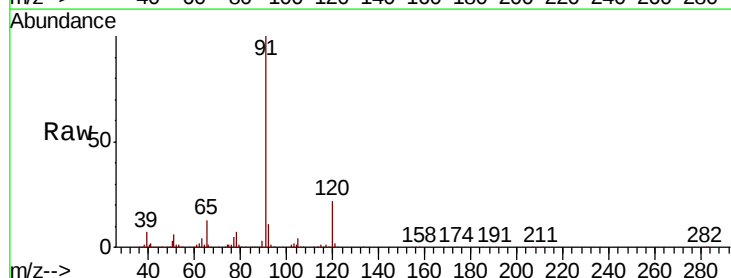
Acq: 30 Jul 2018 15:30

Tgt Ion: 91 Resp: 645684

Ion Ratio Lower Upper

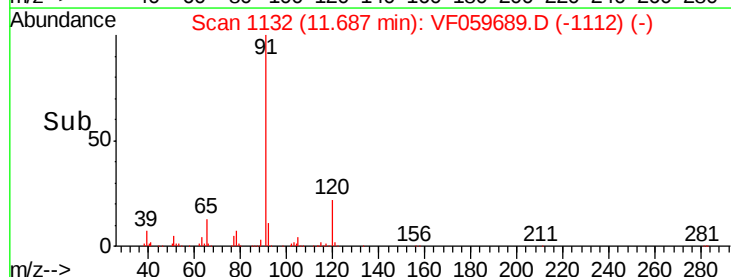
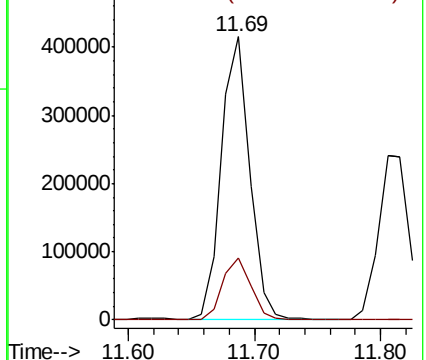
91 100

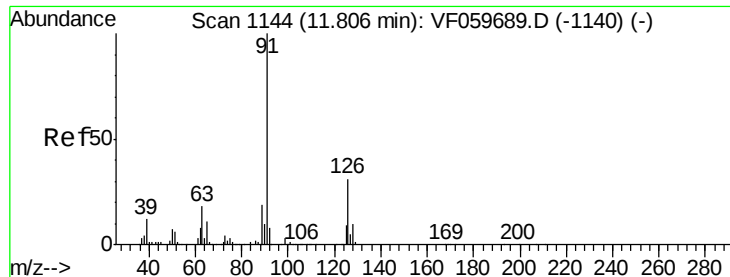
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

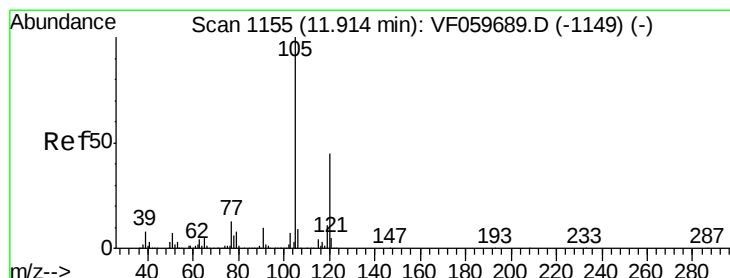
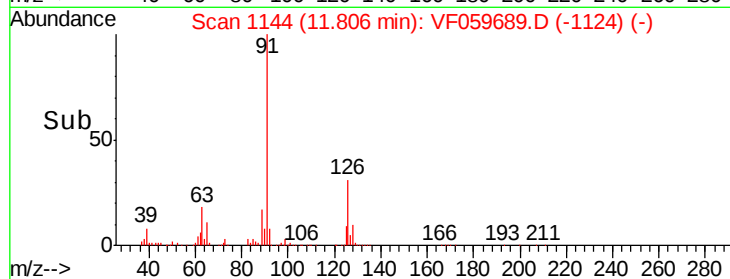
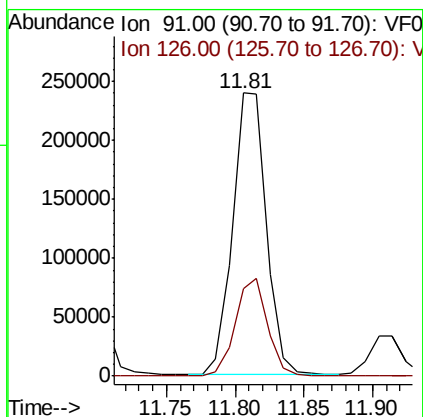
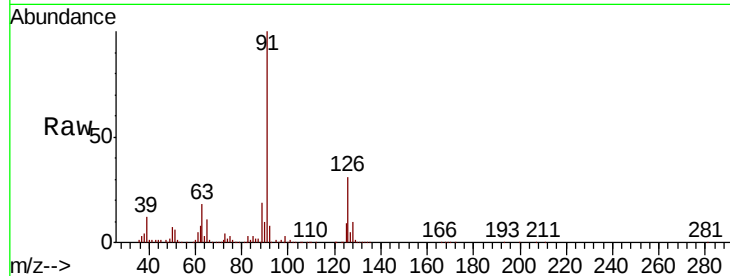




#79
 2-Chlorotoluene
 Concen: 43.832 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

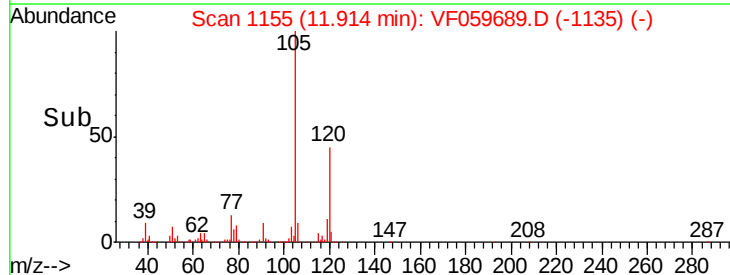
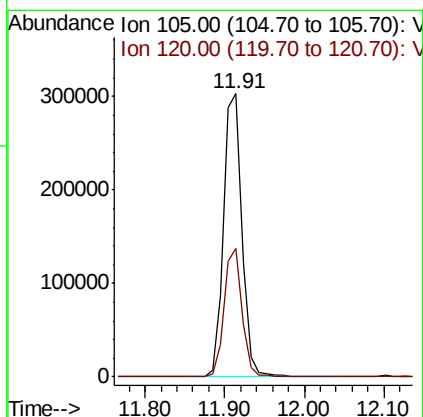
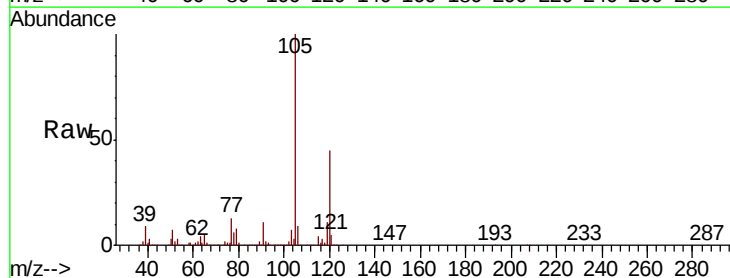
Instrument :
 MSVOA_F
 ClientSampleId :

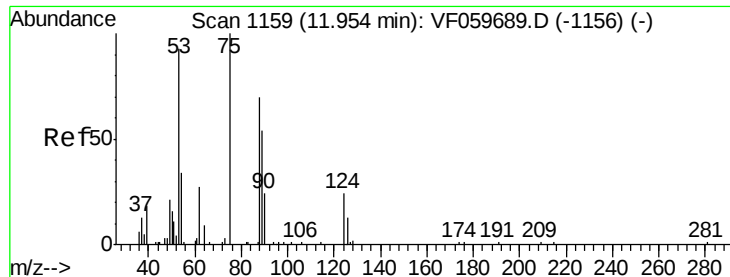
Tot Ion: 91 Resp: 405547
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: 43.011 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion:105 Resp: 498182
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.170 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

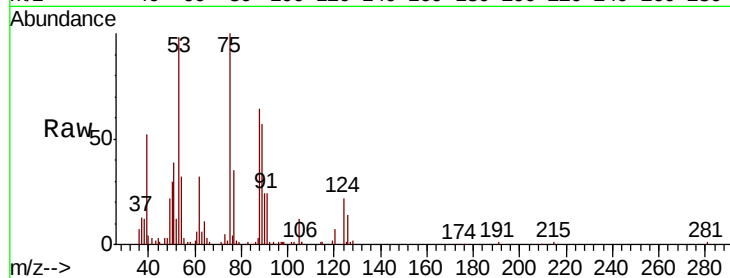
Tot Ion: 75 Resp: 50982

Ion Ratio Lower Upper

75 100

53 97.9 78.3 117.5

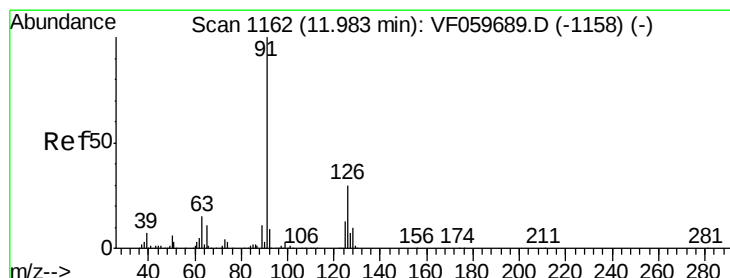
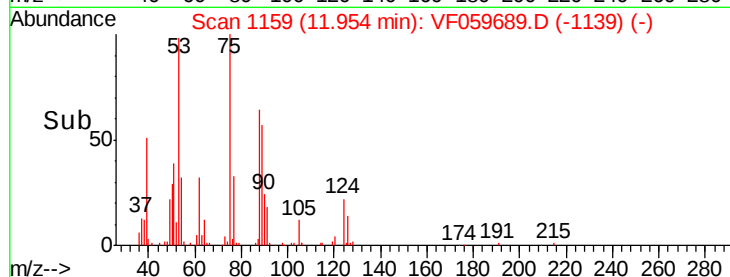
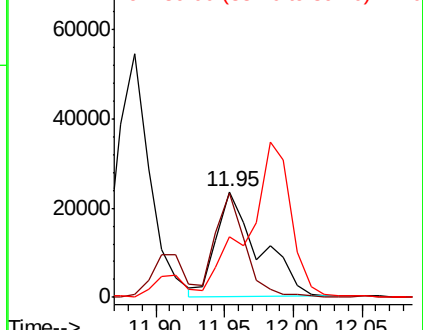
89 56.8 45.4 68.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 43.699 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059689.D

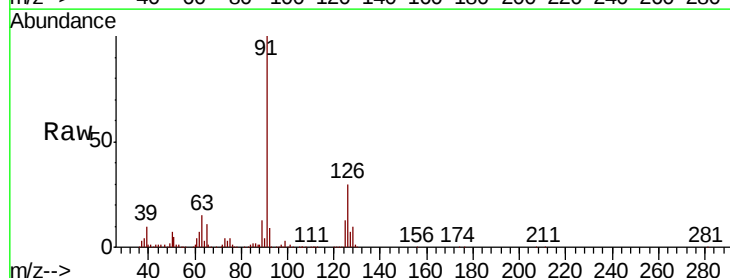
Acq: 30 Jul 2018 15:30

Tgt Ion: 91 Resp: 426024

Ion Ratio Lower Upper

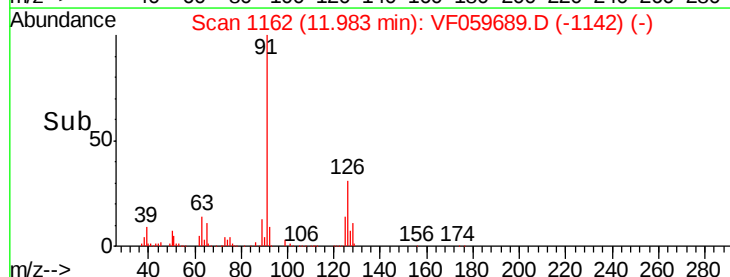
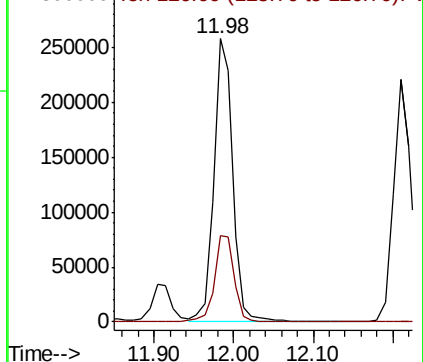
91 100

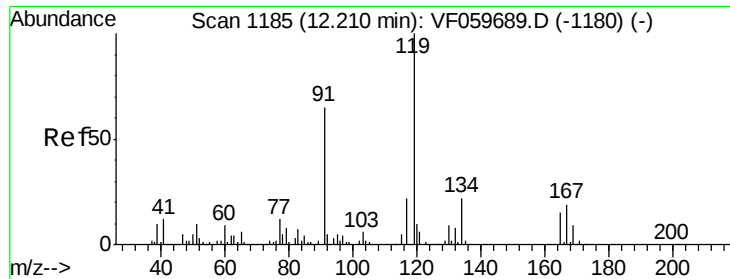
126 30.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

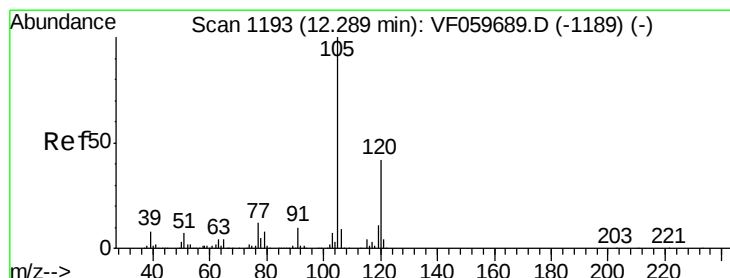
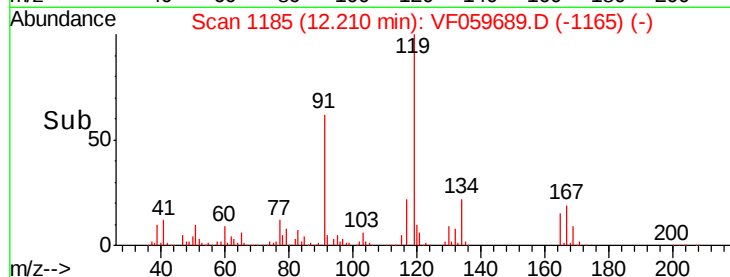
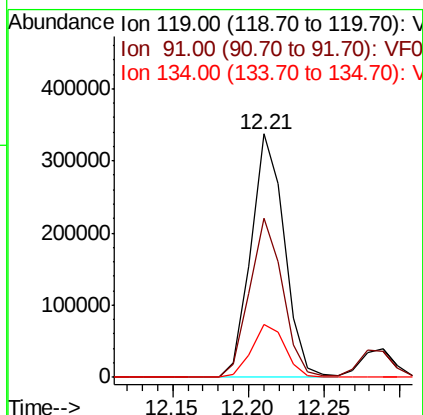
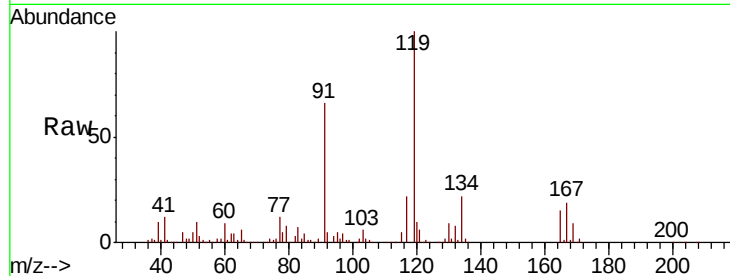




#83
 tert-Butylbenzene
 Concen: 44.659 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

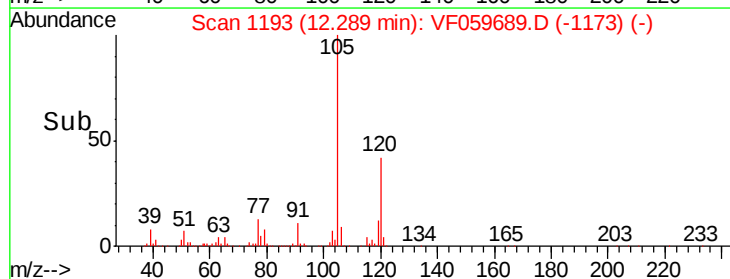
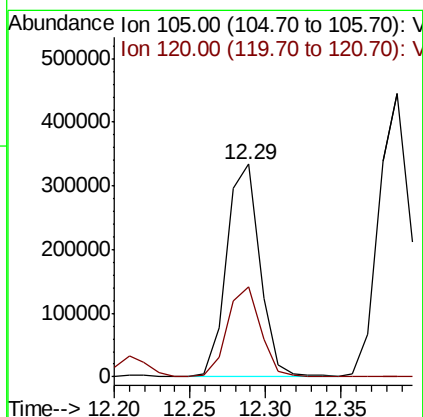
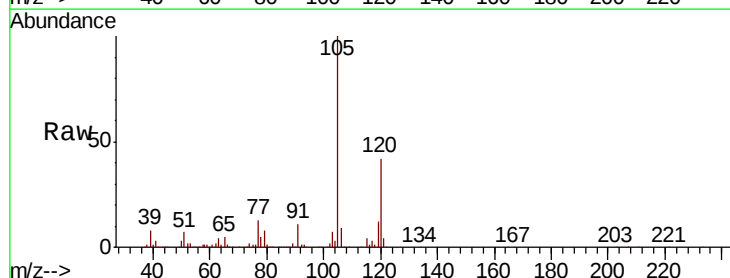
Instrument :
 MSVOA_F
 ClientSampleId :

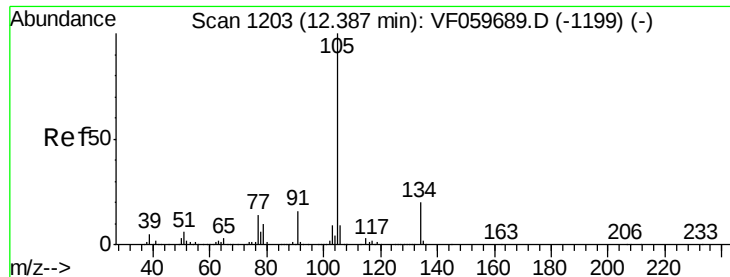
Tot Ion:119 Resp: 522749
 Ion Ratio Lower Upper
 119 100
 91 65.6 32.8 98.4
 134 21.8 10.9 32.7



#84
 1,2,4-Trimethylbenzene
 Concen: 43.065 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion:105 Resp: 512521
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.1 63.3

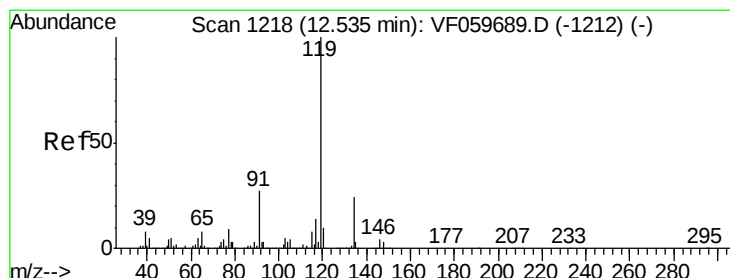
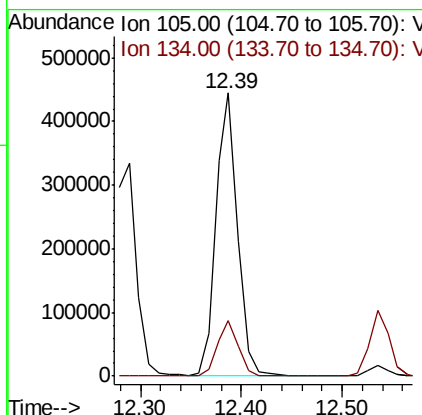
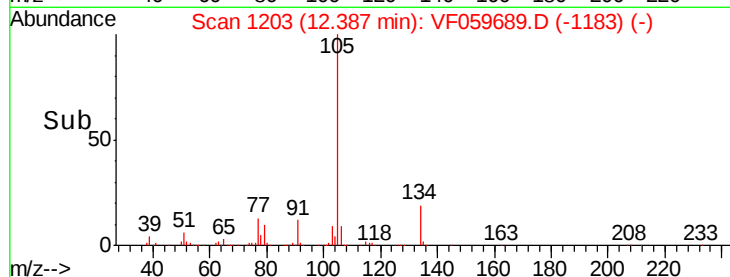
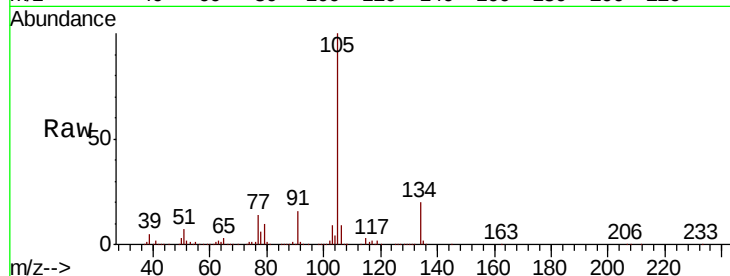




#85
 sec-Butylbenzene
 Concen: 43.151 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

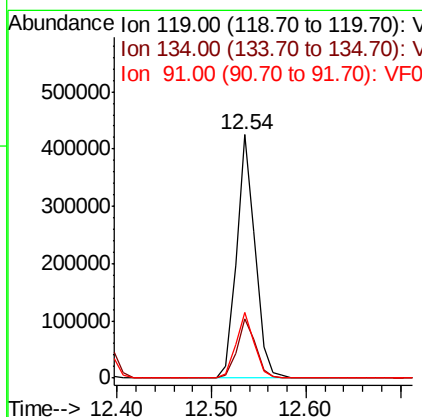
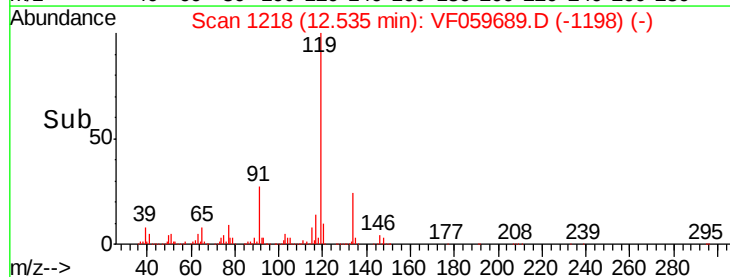
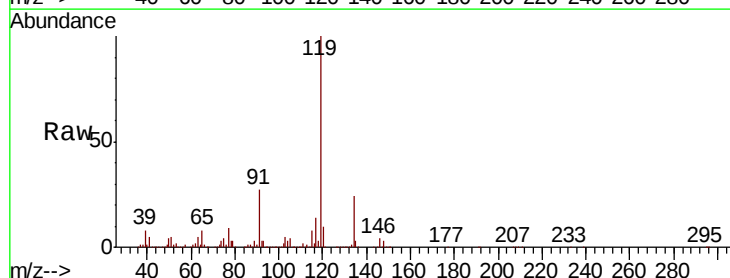
Instrument :
 MSVOA_F
 ClientSampled :

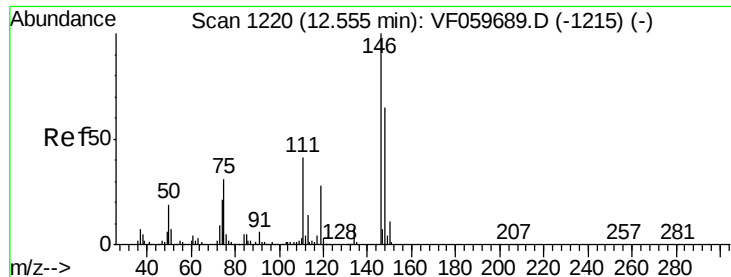
Tot Ion:105 Resp: 664544
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 43.412 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion:119 Resp: 574892
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.2 36.6
 91 26.8 13.4 40.2

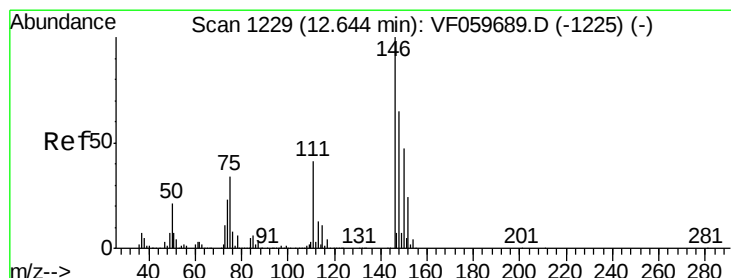
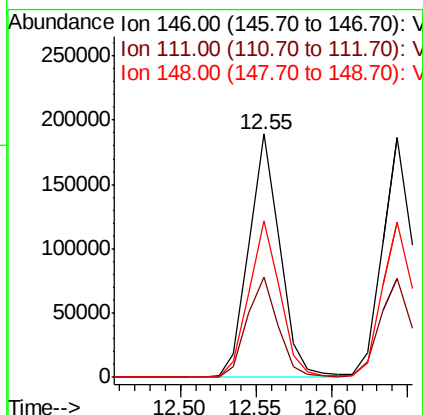
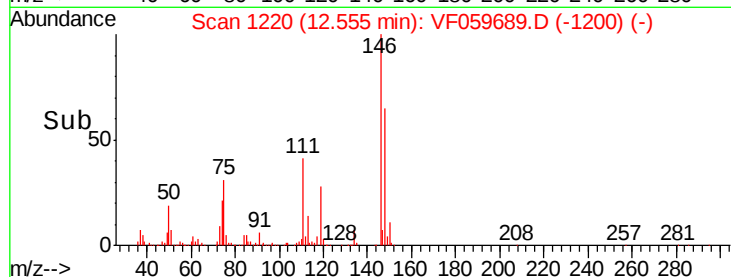
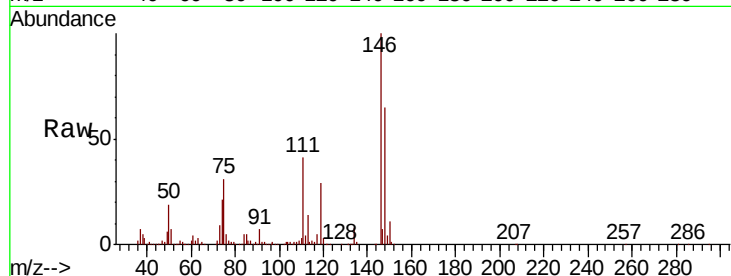




#87
 1,3-Dichlorobenzene
 Concen: 43.670 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

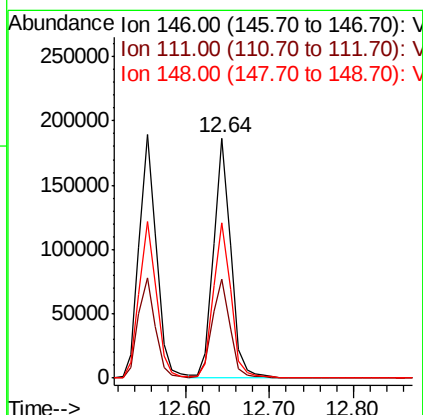
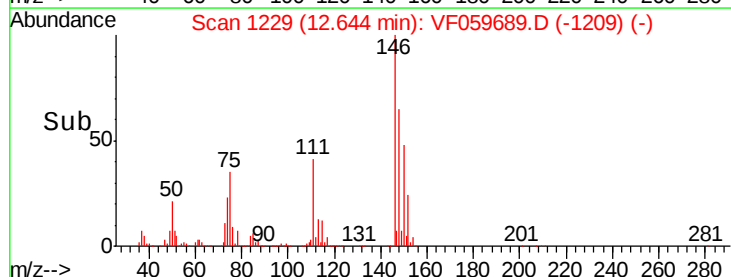
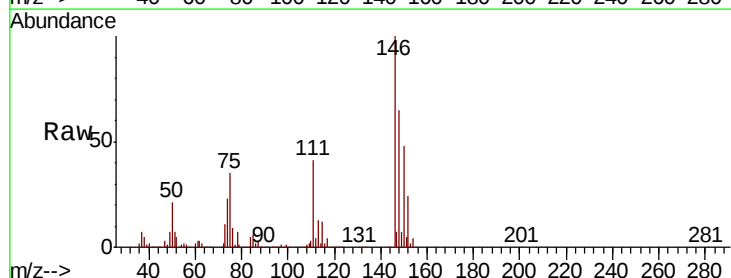
Instrument :
 MSVOA_F
 ClientSampled :

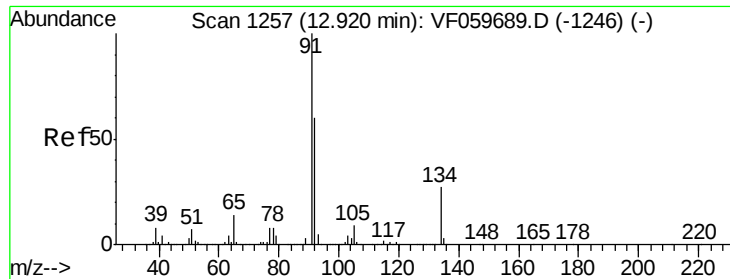
Tot Ion:146 Resp: 272762
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.7 62.1
 148 64.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 45.029 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion:146 Resp: 267946
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 64.6 32.3 96.9





#89

n-Butylbenzene

Concen: 42.632 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampled :

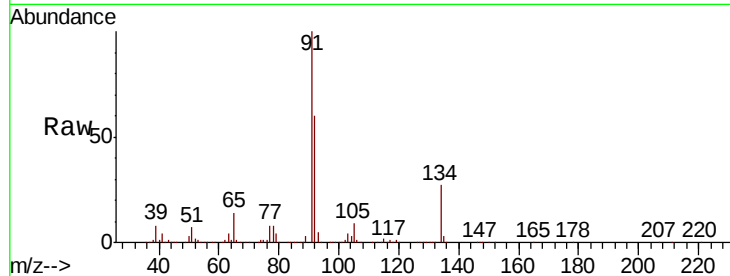
Tot Ion: 91 Resp: 545977

Ion Ratio Lower Upper

91 100

92 60.2 30.1 90.3

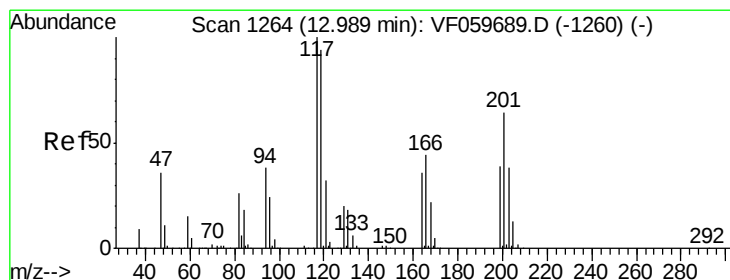
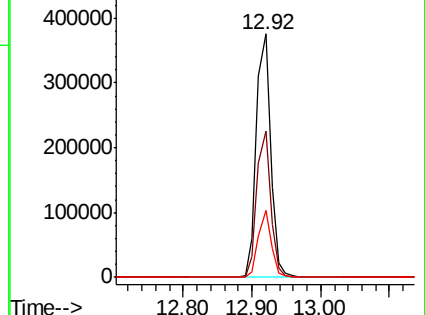
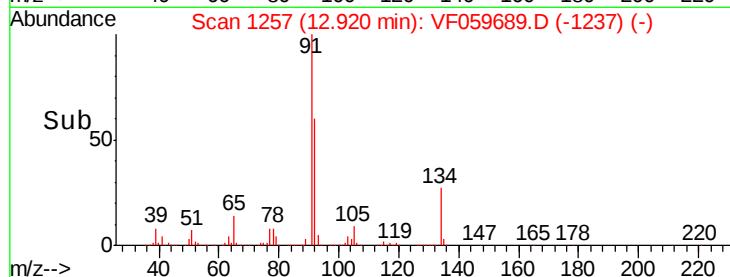
134 27.3 13.7 41.0



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: 42.981 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059689.D

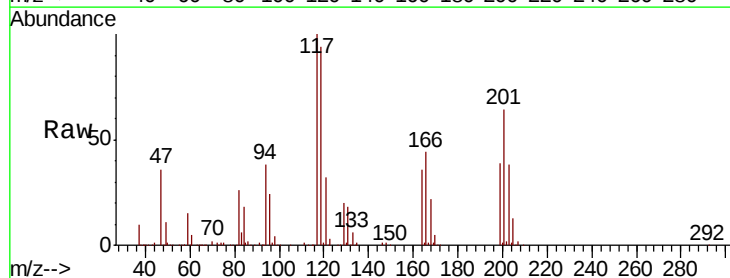
Acq: 30 Jul 2018 15:30

Tgt Ion: 117 Resp: 144888

Ion Ratio Lower Upper

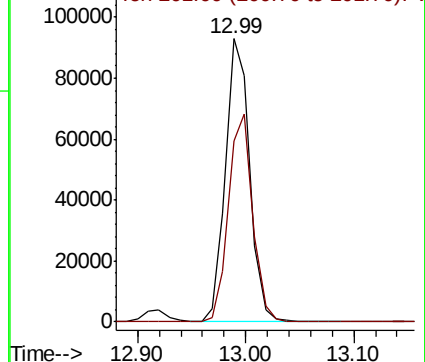
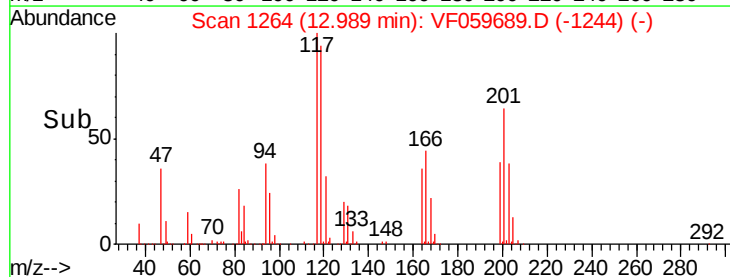
117 100

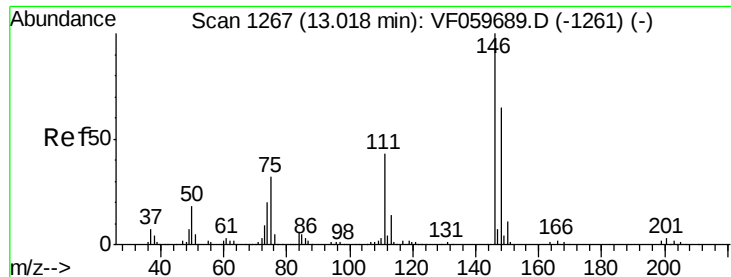
201 63.7 31.9 95.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

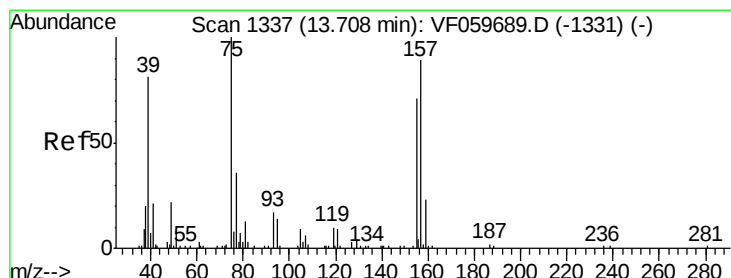
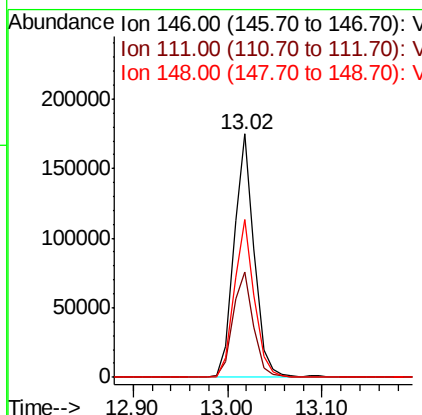
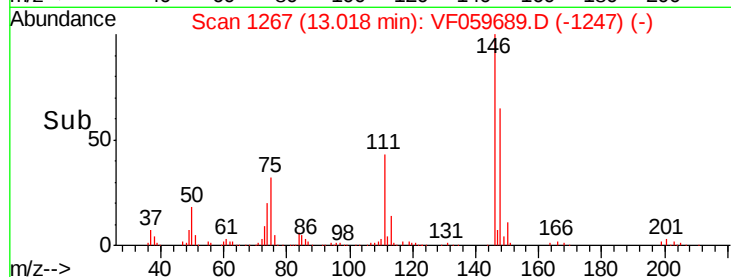
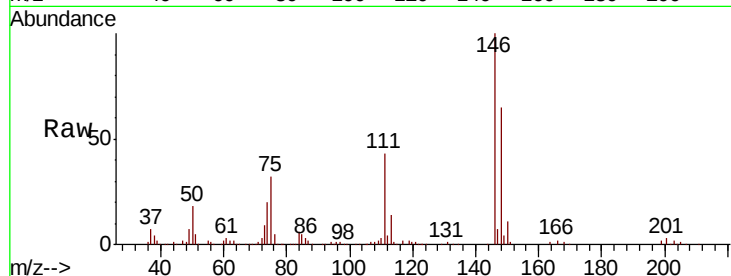




#91
 1,2-Dichlorobenzene
 Concen: 44.373 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

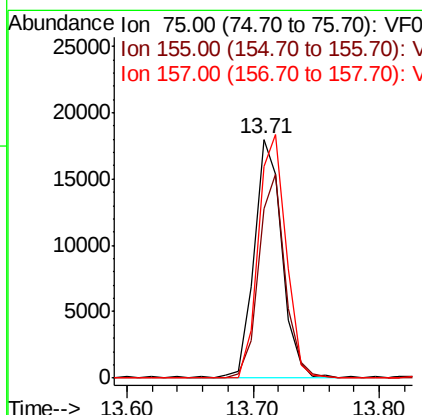
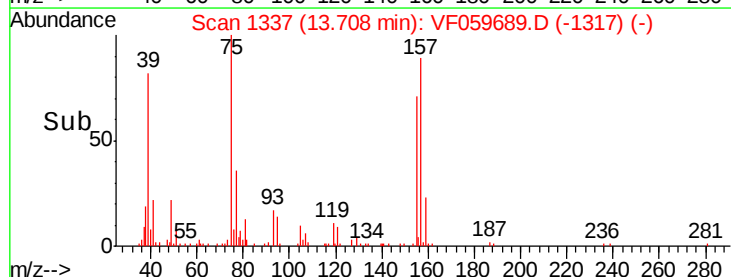
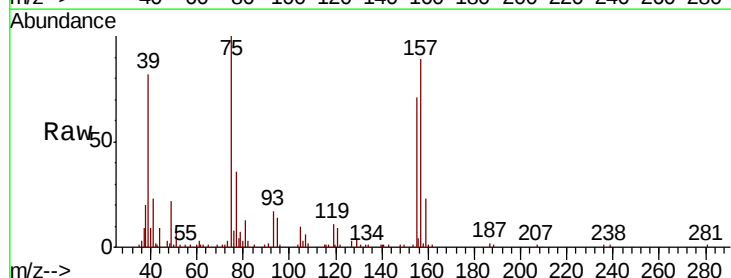
Instrument :
 MSVOA_F
 ClientSampled :

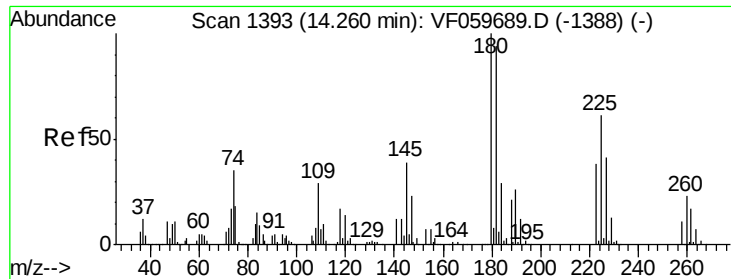
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.6	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.589 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.8	35.4	106.2
157	88.8	44.4	133.2

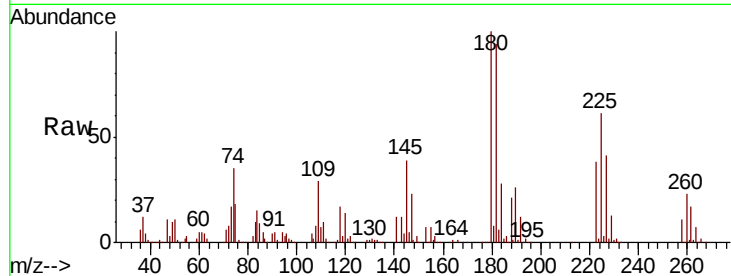




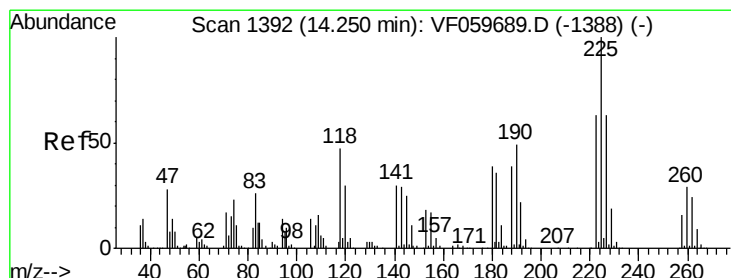
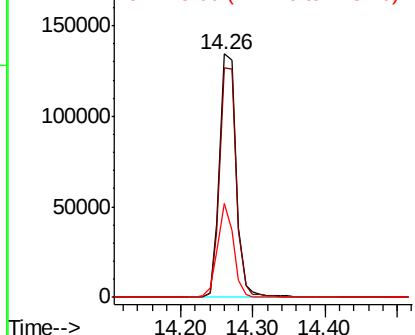
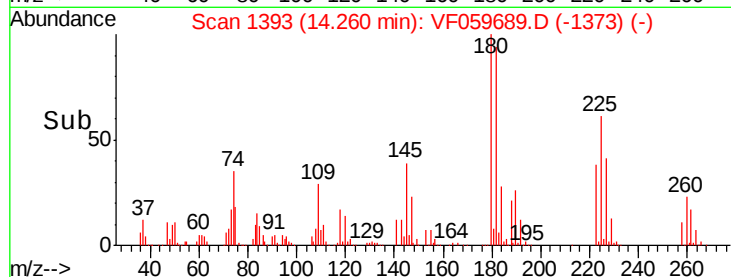
#93
 1,2,4-Trichlorobenzene
 Concen: 46.166 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 214848
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.2 141.6
 145 38.6 19.3 57.9

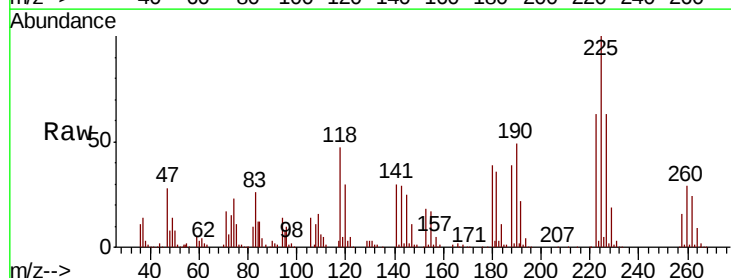


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

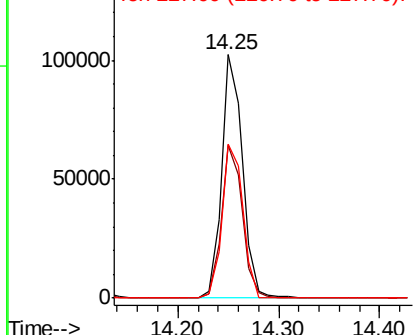
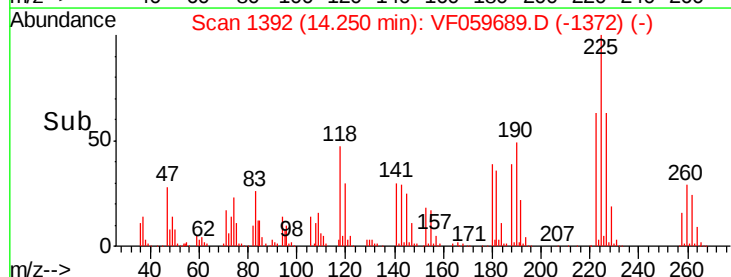


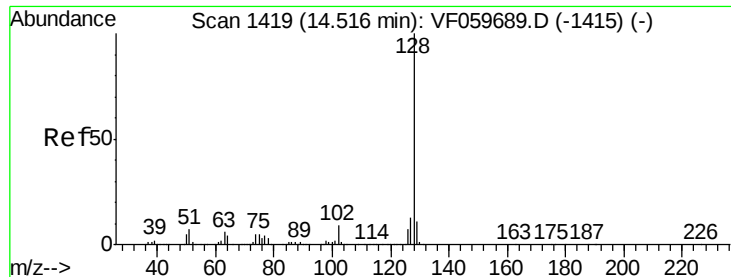
#94
 Hexachlorobutadiene
 Concen: 42.789 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion:225 Resp: 146500
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.2
 227 63.0 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

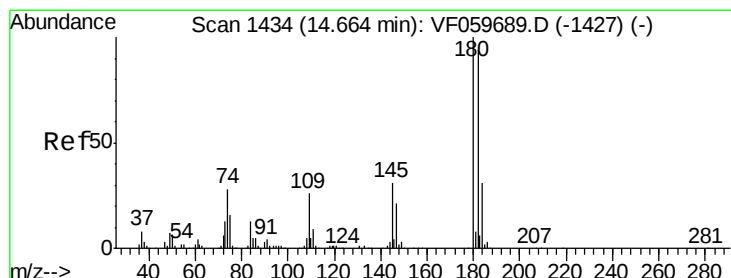
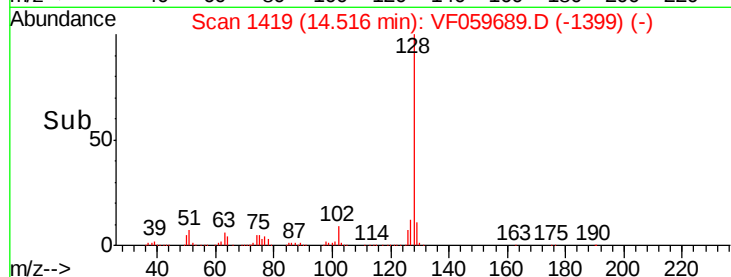
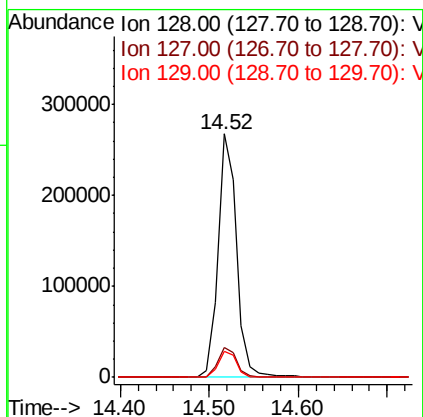
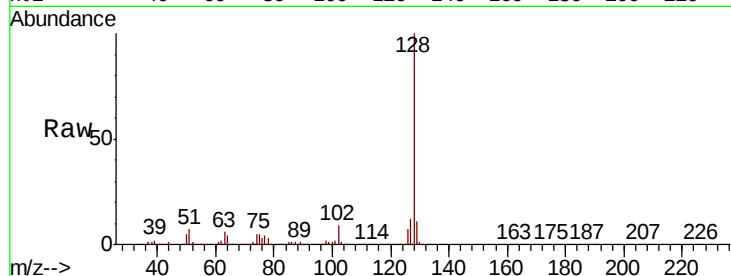




#95
Naphthalene
Concen: 52.573 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 389849
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.088 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion:180 Resp: 216119
Ion Ratio Lower Upper
180 100
182 94.4 47.2 141.6
145 31.1 15.6 46.7

