

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059687.D
 Acq On : 30 Jul 2018 14:34
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:50:14 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	223464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	322011	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	310767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	202479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	42149	12.01	ug/l	0.00
Spiked Amount			Recovery	=	24.02%	
35) Dibromofluoromethane	4.29	113	33412	10.84	ug/l	0.00
Spiked Amount			Recovery	=	21.68%	
50) Toluene-d8	7.71	98	79423	10.66	ug/l	0.00
Spiked Amount			Recovery	=	21.32%	
62) 4-Bromofluorobenzene	11.50	95	45269	11.23	ug/l	0.00
Spiked Amount			Recovery	=	22.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.15	62	5729	4.148	ug/l	97
5) Bromomethane	1.33	94	8755	7.283	ug/l #	68
6) Chloroethane	1.43	64	6231	7.232	ug/l	98
7) Trichlorofluoromethane	1.53	101	20062	4.831	ug/l	99
8) Diethyl Ether	1.69	74	6982	11.868	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	22227	10.068	ug/l	90
10) Methyl Iodide	1.96	142	31120	9.631	ug/l	99
11) Tert butyl alcohol	2.66	59	9732	64.590	ug/l #	87
12) 1,1-Dichloroethene	1.85	96	15522	9.503	ug/l	82
13) Acrolein	1.95	56	213	3.194	ug/l	84
14) Allyl chloride	2.19	41	27976	10.471	ug/l #	94
15) Acrylonitrile	3.05	53	15338	66.782	ug/l #	76
16) Acetone	2.32	43	43352	67.789	ug/l	97
17) Carbon Disulfide	1.88	76	18047	4.545	ug/l	99
18) Methyl Acetate	2.44	43	11621	10.855	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	55711	12.205	ug/l	100
20) Methylene Chloride	2.27	84	16094	6.834	ug/l	84
21) trans-1,2-Dichloroethene	2.40	96	18277	10.910	ug/l	89
22) Diisopropyl ether	2.91	45	61984	11.606	ug/l	99
23) Vinyl Acetate	3.32	43	172473	65.142	ug/l	99
24) 1,1-Dichloroethane	2.99	63	43530	11.455	ug/l	99
25) 2-Butanone	4.50	43	45190	64.134	ug/l #	89
26) 2,2-Dichloropropane	3.75	77	30692	9.929	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	19972	10.164	ug/l	80
28) Bromochloromethane	3.87	49	18451	13.180	ug/l	96
29) Tetrahydrofuran	4.25	42	19037	67.313	ug/l	96
30) Chloroform	4.02	83	62714	11.683	ug/l	96
31) Cyclohexane	3.86	56	23183	10.618	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	48495	11.014	ug/l	93
36) 1,1-Dichloropropene	4.45	75	35838	10.261	ug/l	93
37) Ethyl Acetate	4.28	43	23113	15.170	ug/l #	73
38) Carbon Tetrachloride	4.17	117	55161	10.764	ug/l #	92
39) Methylcyclohexane	5.62	83	30271	10.649	ug/l	92
40) Benzene	4.80	78	69853	11.260	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.92	41	10881	14.503	ug/l	88
42) 1,2-Dichloroethane	5.10	62	48834	12.098	ug/l	97
43) Isopropyl Acetate	7.10	43	21444	13.593	ug/l #	96
44) Trichloroethene	5.67	130	28554	11.884	ug/l	90
45) 1,2-Dichloropropane	6.39	63	18793	11.399	ug/l	90
46) Dibromomethane	6.25	93	16628	11.615	ug/l #	85
47) Bromodichloromethane	6.54	83	48893	11.657	ug/l #	96
48) Methyl methacrylate	6.87	41	14959	12.082	ug/l #	89
49) 1,4-Dioxane	6.86	88	2250	227.716	ug/l #	80
51) 4-Methyl-2-Pentanone	8.40	43	82305	64.831	ug/l	98
52) Toluene	7.77	92	55115	11.961	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	40627	12.109	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	41049	11.792	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	18595	12.150	ug/l	92
56) Ethyl methacrylate	8.75	69	20940	12.906	ug/l	96
57) 1,3-Dichloropropane	9.00	76	33769	12.760	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	11824	60.358	ug/l	100
59) 2-Hexanone	9.63	43	65319	69.362	ug/l	96
60) Dibromochloromethane	8.86	129	34277	12.415	ug/l	97
61) 1,2-Dibromoethane	9.13	107	22533	12.175	ug/l	84
64) Tetrachloroethene	8.30	164	26726	10.793	ug/l	95
65) Chlorobenzene	9.93	112	70340	11.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	31782	11.437	ug/l	94
67) Ethyl Benzene	10.03	91	118870	10.857	ug/l	100
68) m/p-Xylenes	10.26	106	86846	22.919	ug/l	97
69) o-Xylene	10.82	106	46565	11.379	ug/l	100
70) Styrene	10.90	104	70777	11.893	ug/l	96
71) Bromoform	10.88	173	21907	12.784	ug/l	98
73) Isopropylbenzene	11.22	105	153447	11.103	ug/l	98
74) N-amyl acetate	11.46	43	33080	11.679	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	28565	12.586	ug/l	92
76) 1,2,3-Trichloropropane	11.89	75	23875	12.809	ug/l	95
77) Bromobenzene	11.59	156	39459	11.763	ug/l	93
78) n-propylbenzene	11.69	91	174261	10.944	ug/l	100
79) 2-Chlorotoluene	11.81	91	106903	11.032	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	135572	11.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	13914	14.377	ug/l	92
82) 4-Chlorotoluene	11.98	91	118114	11.568	ug/l	99
83) tert-Butylbenzene	12.21	119	135962	11.090	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	143944	11.548	ug/l	99
85) sec-Butylbenzene	12.39	105	181204	11.235	ug/l	98
86) p-Isopropyltoluene	12.54	119	148157	10.682	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	76745	11.732	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	72274	11.597	ug/l	98
89) n-Butylbenzene	12.92	91	146687	10.936	ug/l	96
90) Hexachloroethane	12.99	117	39594	11.215	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	72374	11.900	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7510	13.605	ug/l	86
93) 1,2,4-Trichlorobenzene	14.26	180	57180	11.731	ug/l	97
94) Hexachlorobutadiene	14.25	225	40316	11.243	ug/l	98

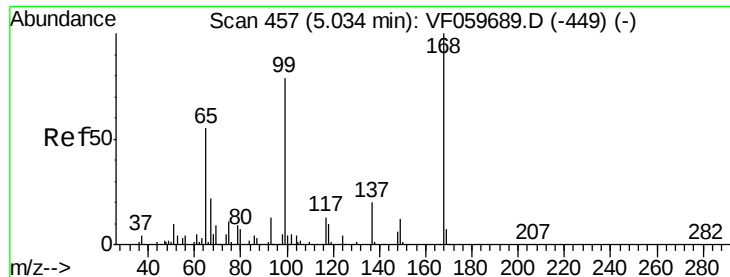
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.52	128	92148	11.865	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	53105	11.986	ug/l	98

(#) = 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: VF059687.D

Acq: 30 Jul 2018 14:34

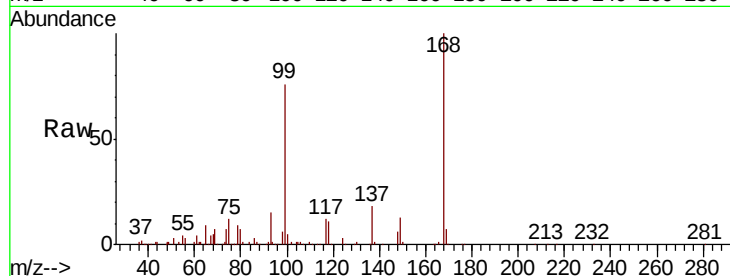
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 223464

Ion Ratio Lower Upper

168 100

99 76.3 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

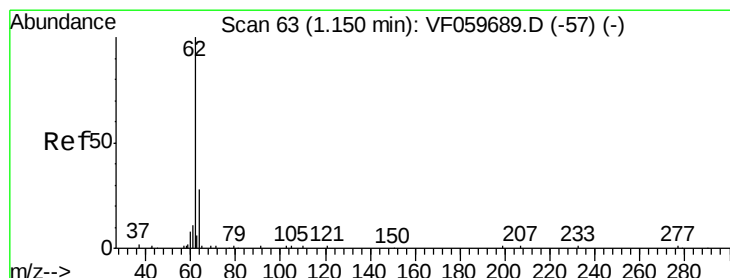
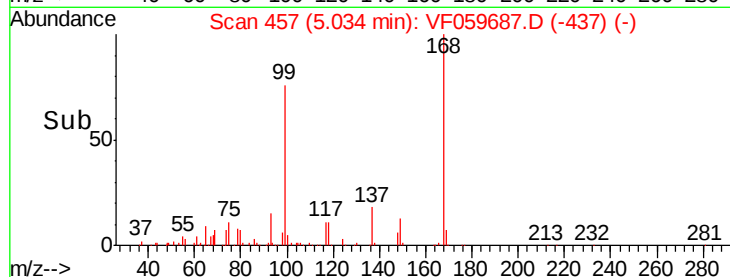
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#4

Vinyl Chloride

Concen: 4.148 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059687.D

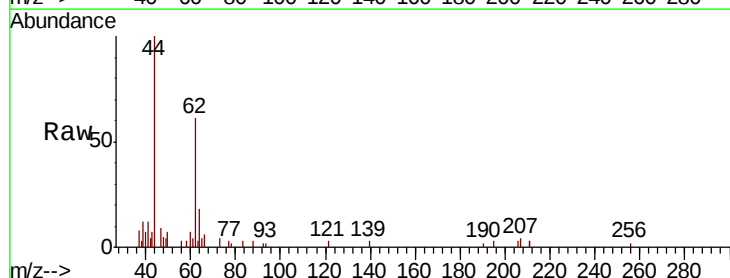
Acq: 30 Jul 2018 14:34

Tgt Ion: 62 Resp: 5729

Ion Ratio Lower Upper

62 100

64 29.8 22.6 33.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

3000

2500

2000

1500

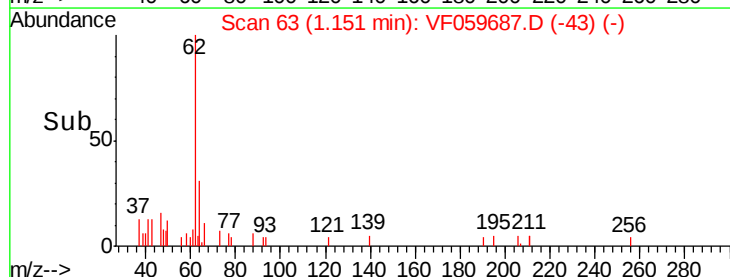
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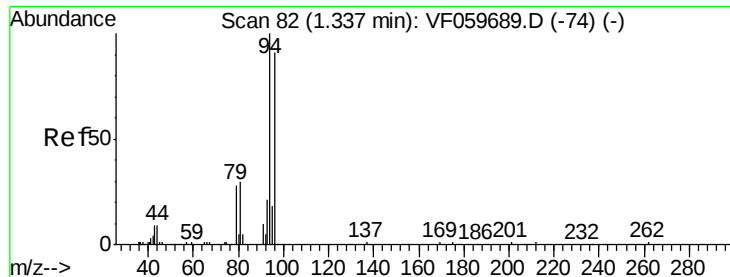
500

0

Time-->

1.10 1.20 1.30





#5

Bromomethane

Concen: 7.283 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

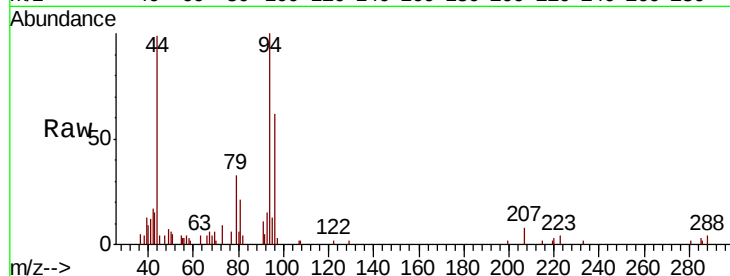
ClientSampleId :

Tot Ion: 94 Resp: 8755

Ion Ratio Lower Upper

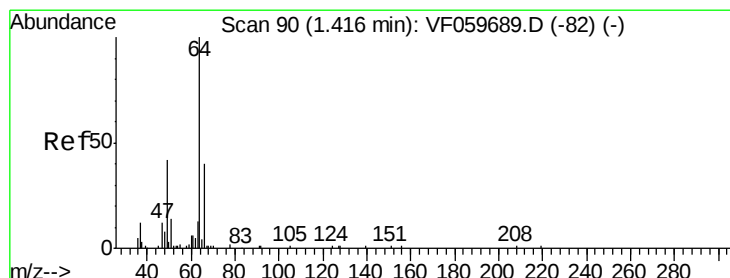
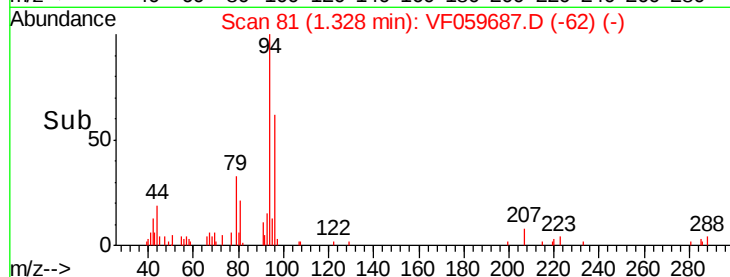
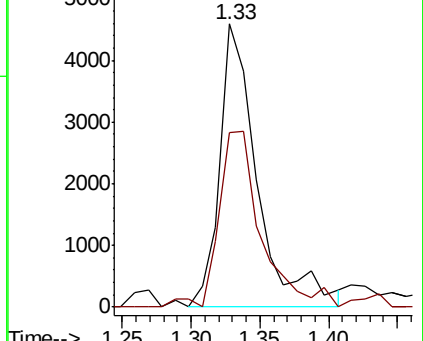
94 100

96 61.7 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 7.232 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059687.D

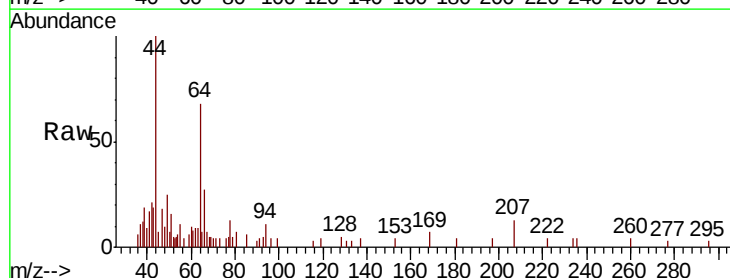
Acq: 30 Jul 2018 14:34

Tgt Ion: 64 Resp: 6231

Ion Ratio Lower Upper

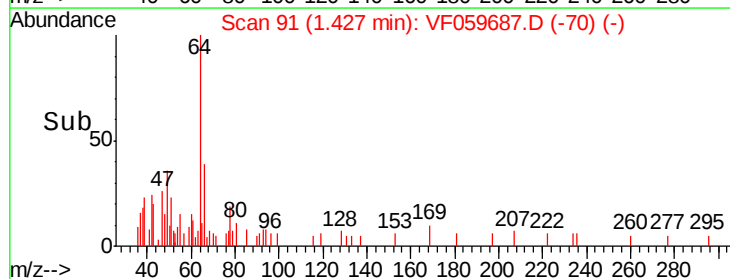
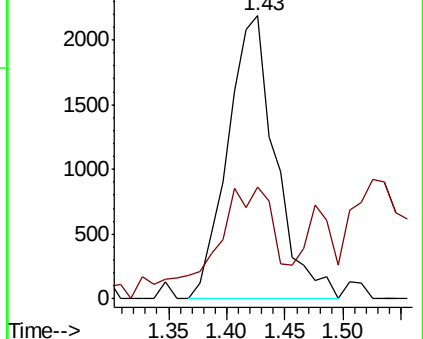
64 100

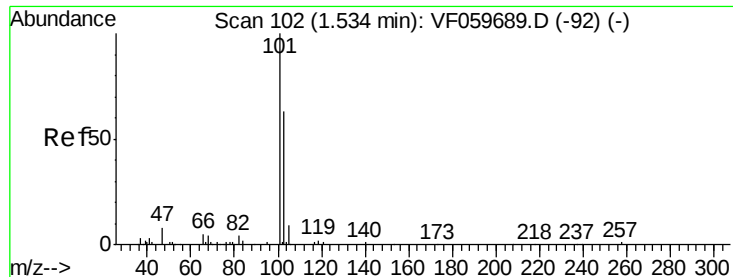
66 39.4 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



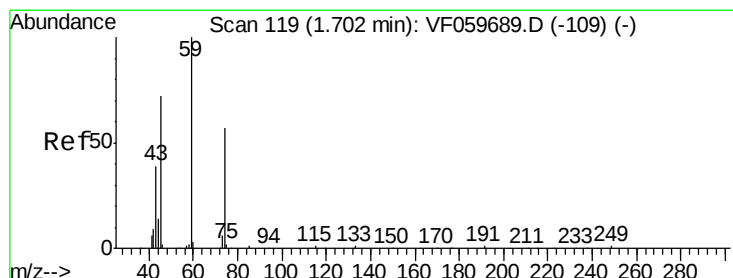
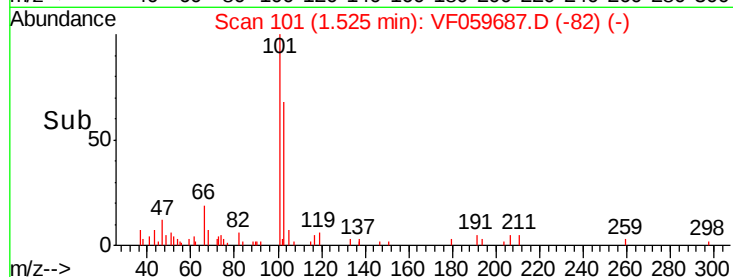
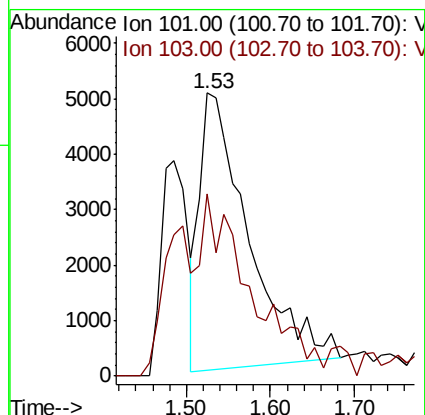
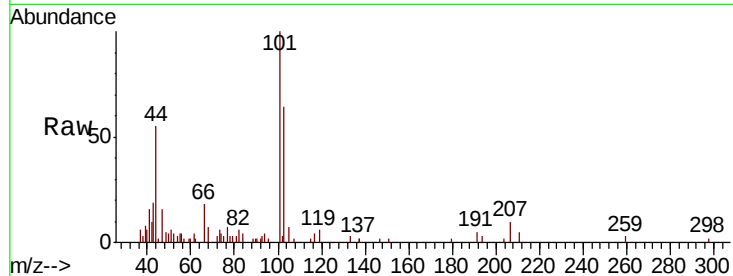


#7

Trichlorofluoromethane
Concen: 4.831 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :

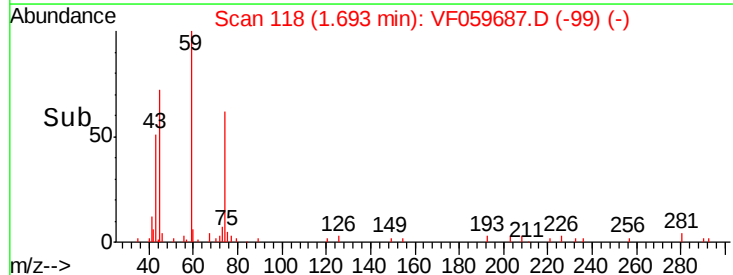
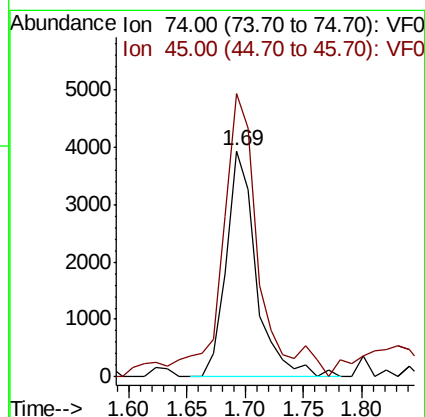
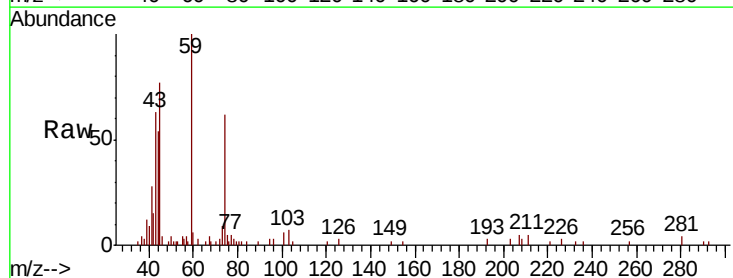
Tot Ion:101 Resp: 20062
Ion Ratio Lower Upper
101 100
103 64.4 50.8 76.2

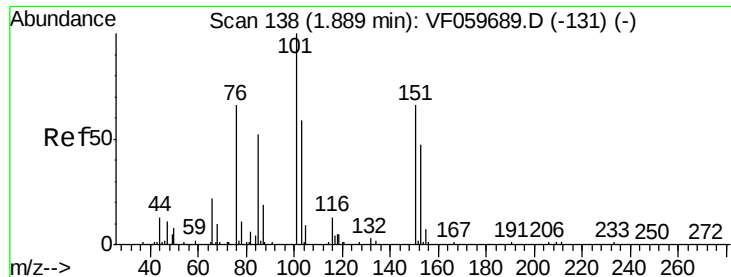


#8

Diethyl Ether
Concen: 11.868 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion: 74 Resp: 6982
Ion Ratio Lower Upper
74 100
45 125.2 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.068 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :

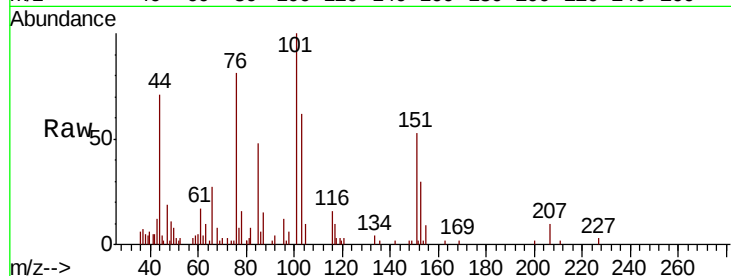
Tot Ion:101 Resp: 22227

Ion	Ratio	Lower	Upper
101	100		
85	47.7	40.7	61.1
151	53.1	51.4	77.2

101 100

85 47.7 40.7 61.1

151 53.1 51.4 77.2

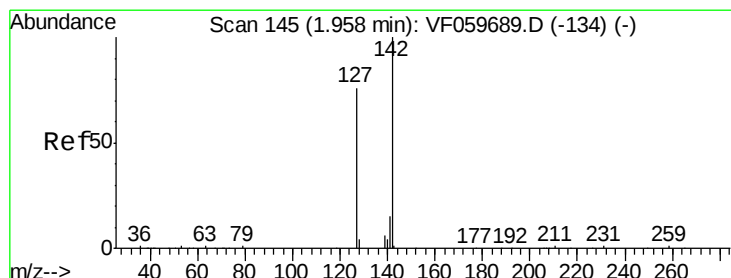
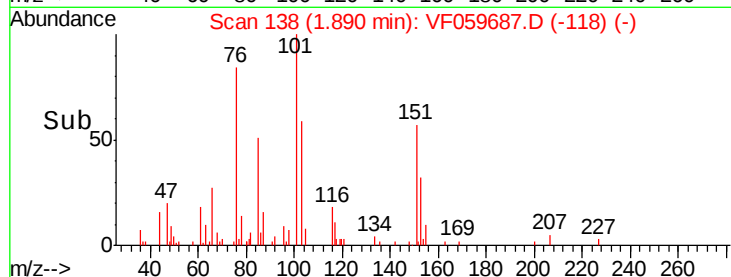
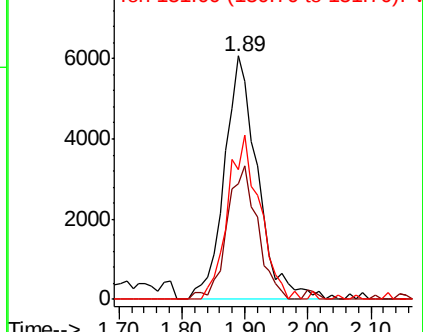


Abundance

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: 9.631 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

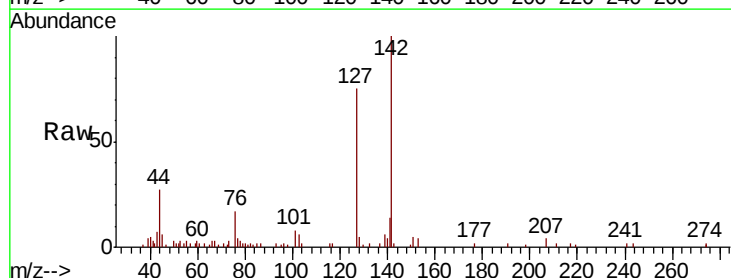
Tgt Ion:142 Resp: 31120

Ion	Ratio	Lower	Upper
142	100		
127	75.0	60.6	91.0
141	13.9	12.0	18.0

142 100

127 75.0 60.6 91.0

141 13.9 12.0 18.0

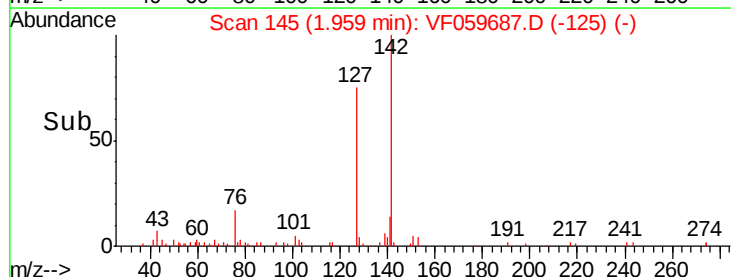
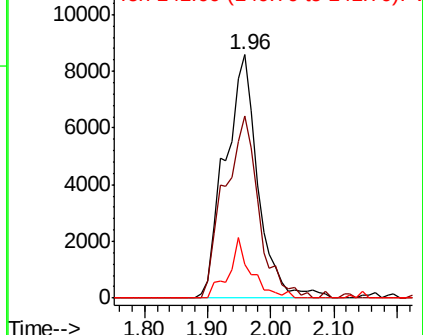


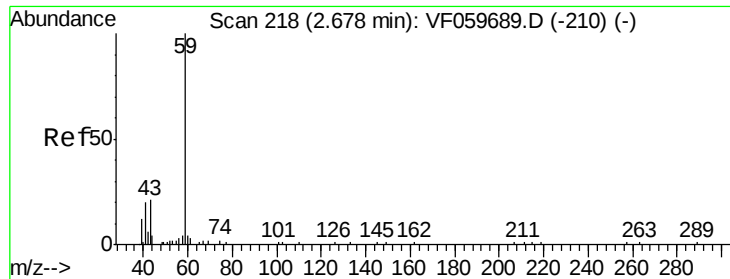
Abundance

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



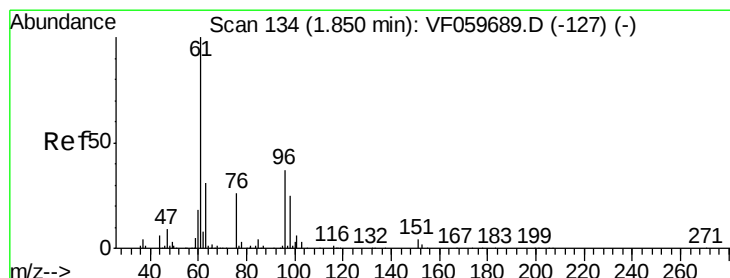
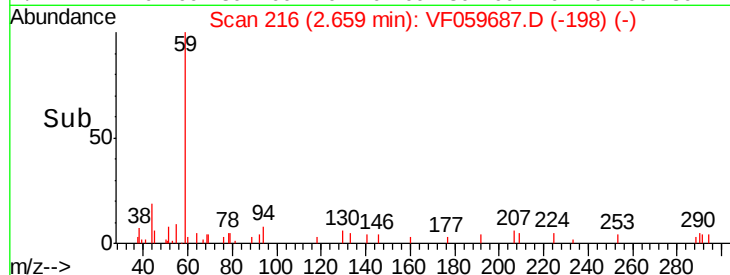
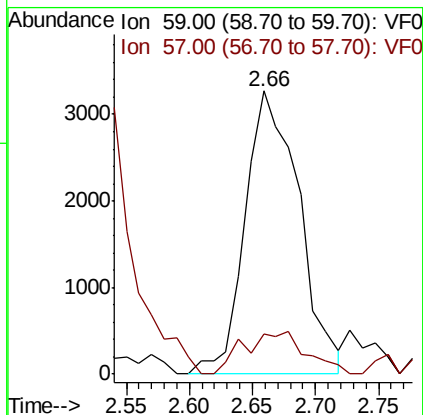
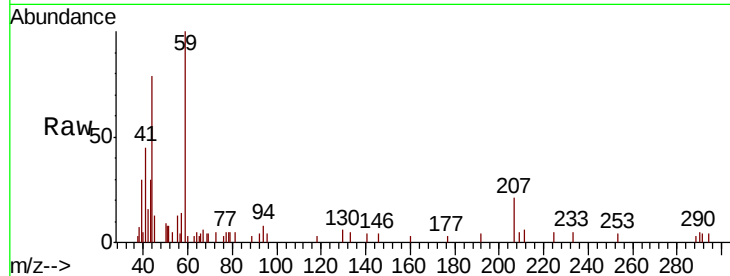


#11

Tert butyl alcohol
 Concen: 64.590 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.02 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :

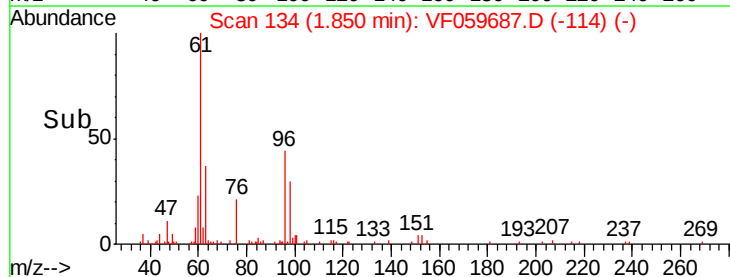
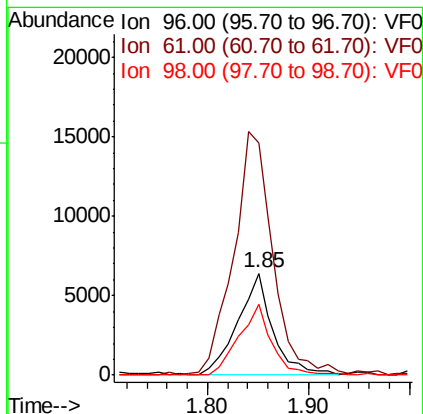
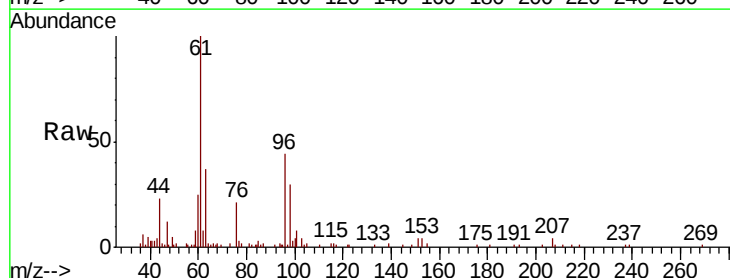
Tot Ion: 59 Resp: 9732
 Ion Ratio Lower Upper
 59 100
 57 14.3 7.6 11.4#

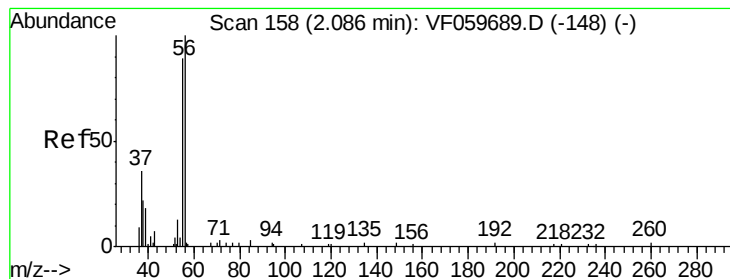


#12

1,1-Dichloroethene
 Concen: 9.503 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion: 96 Resp: 15522
 Ion Ratio Lower Upper
 96 100
 61 228.2 215.1 322.7
 98 69.0 54.3 81.5





#13

Acrolein

Concen: 3.194 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.14 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

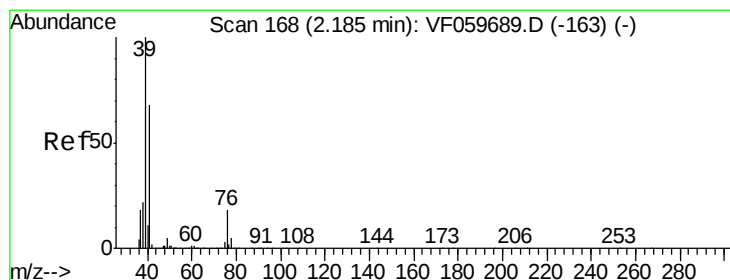
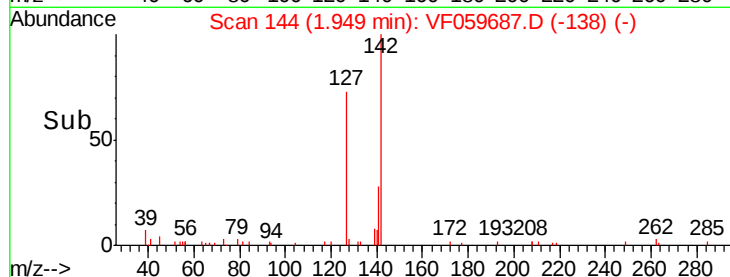
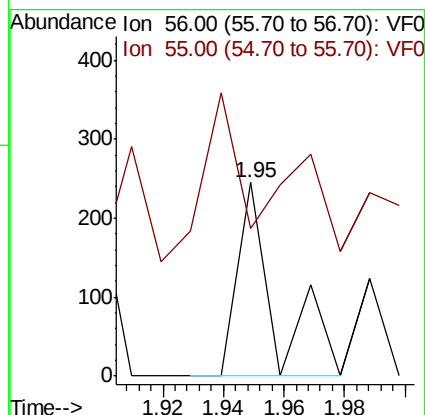
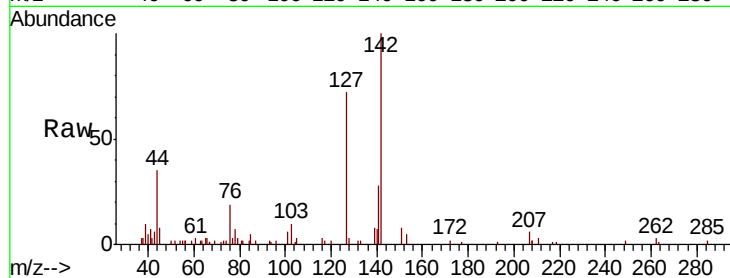
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 76.3 73.2 109.8



#14

Allyl chloride

Concen: 10.471 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

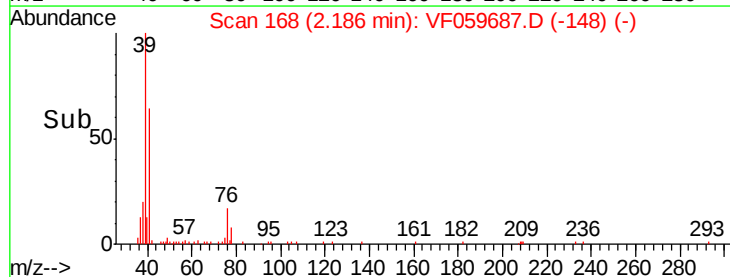
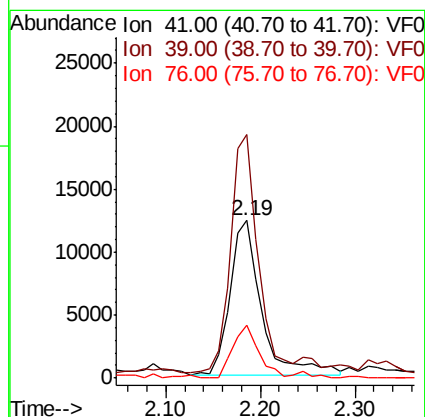
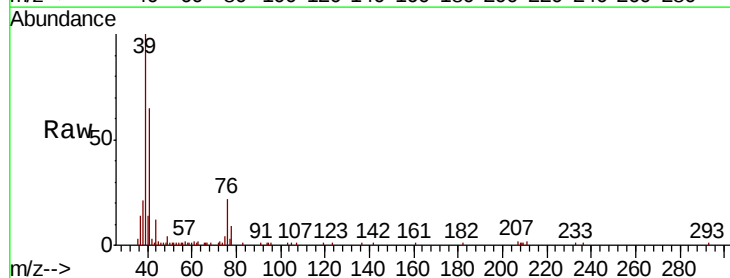
Tgt Ion: 41 Resp: 27976

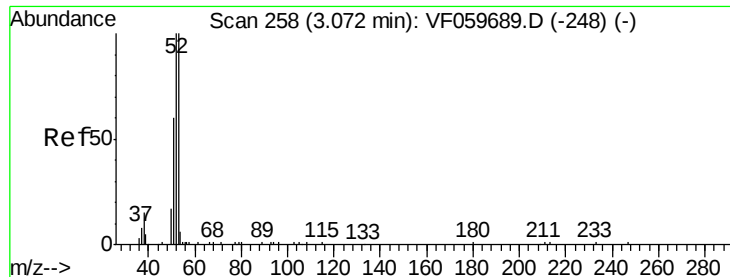
Ion Ratio Lower Upper

41 100

39 154.4 118.1 177.1

76 33.7 22.0 33.0#





#15

Acrylonitrile

Concen: 66.782 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

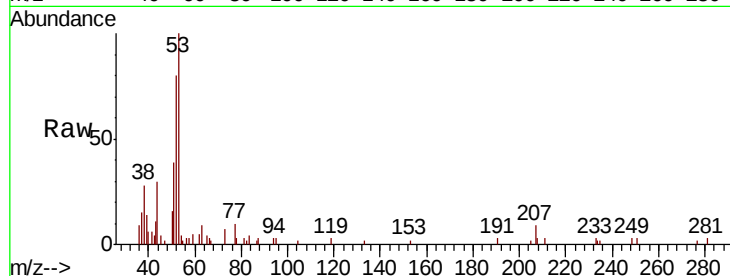
Tot Ion: 53 Resp: 15338

Ion Ratio Lower Upper

53 100

52 79.5 80.3 120.5#

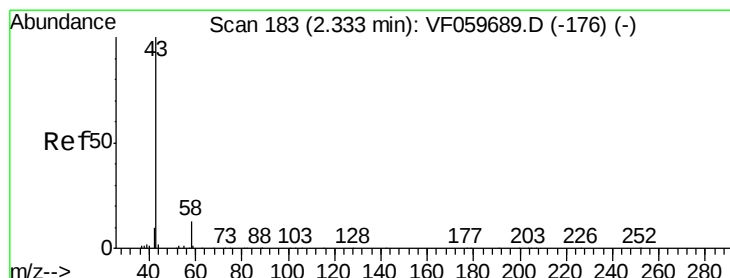
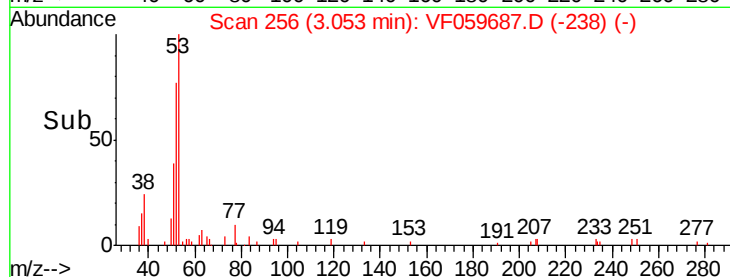
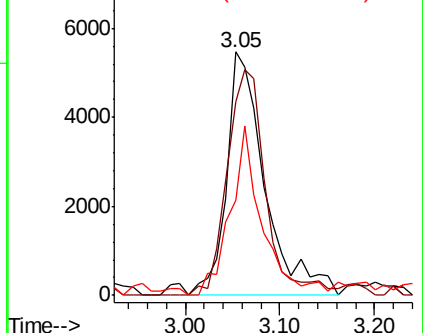
51 38.8 49.4 74.0#



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: 67.789 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059687.D

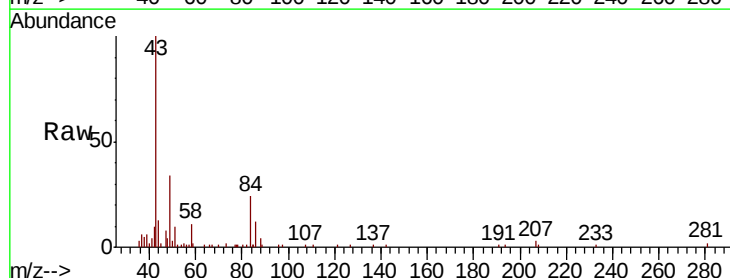
Acq: 30 Jul 2018 14:34

Tgt Ion: 43 Resp: 43352

Ion Ratio Lower Upper

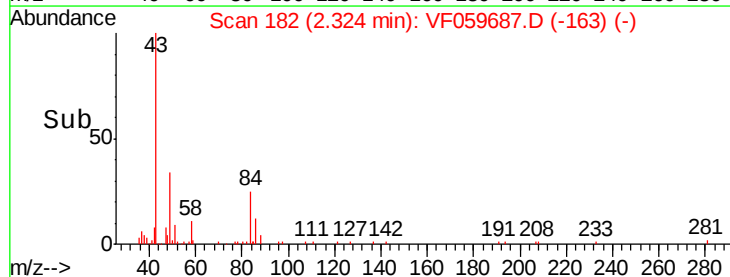
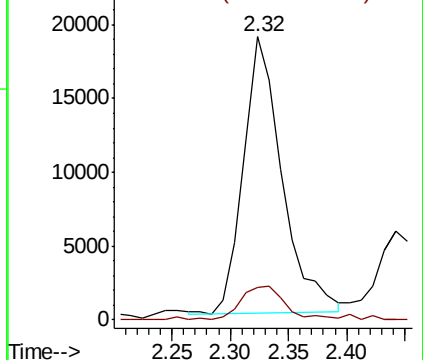
43 100

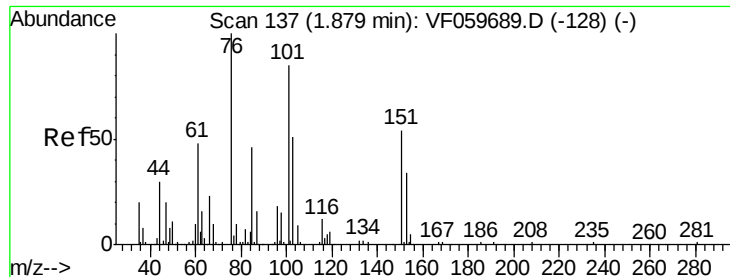
58 11.5 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 4.545 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

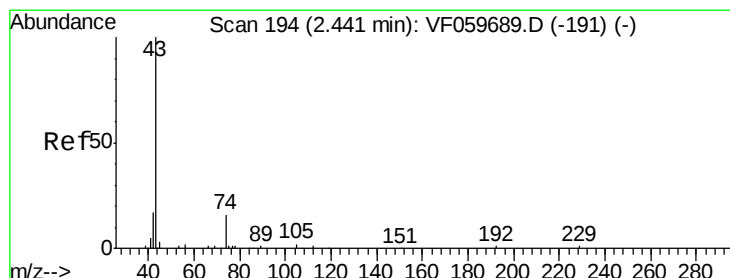
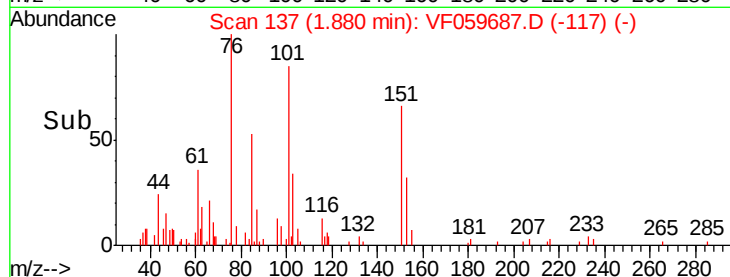
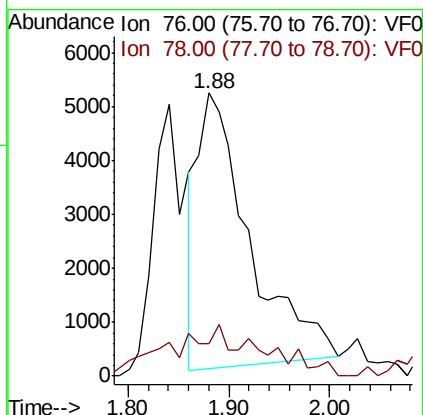
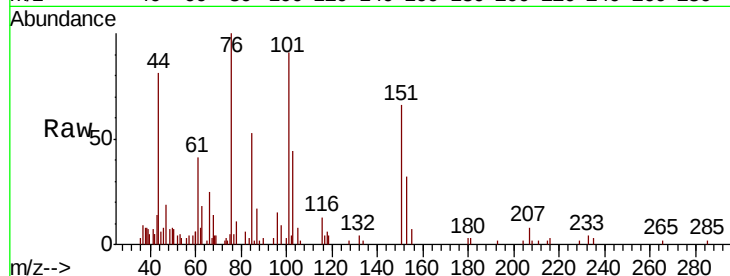
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 18047

Ion Ratio Lower Upper

76 100

78 11.4 8.9 13.3



#18

Methyl Acetate

Concen: 10.855 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059687.D

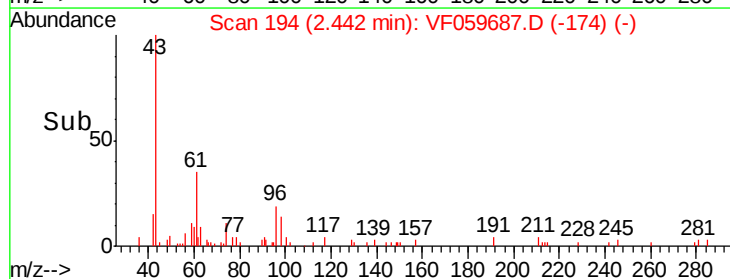
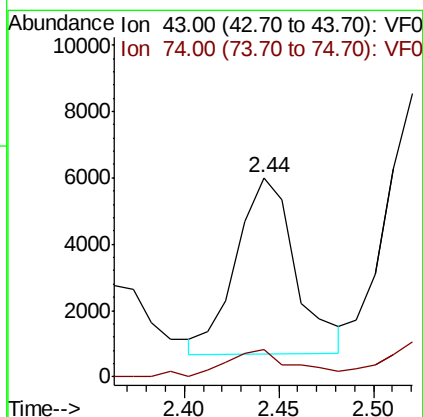
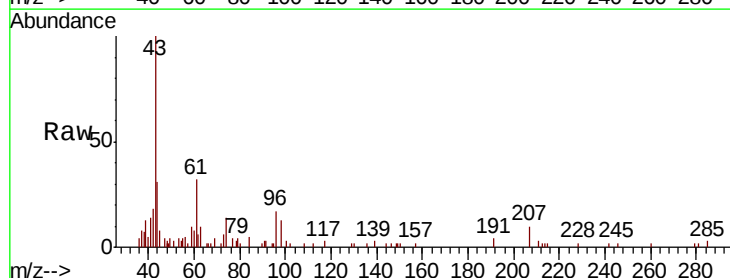
Acq: 30 Jul 2018 14:34

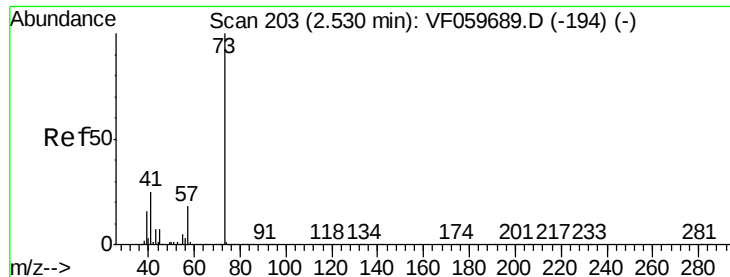
Tgt Ion: 43 Resp: 11621

Ion Ratio Lower Upper

43 100

74 13.7 11.8 17.6



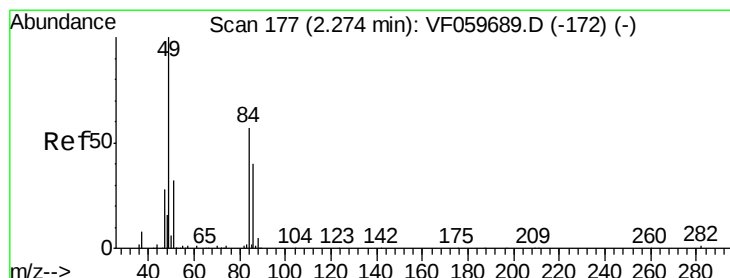
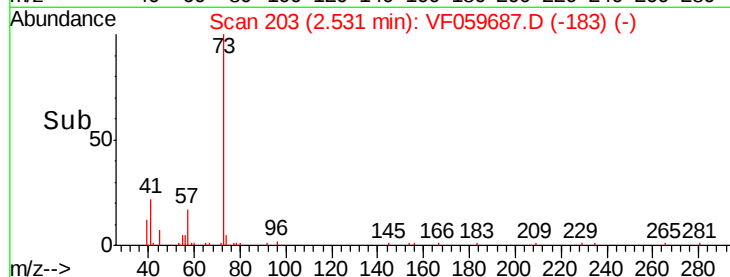
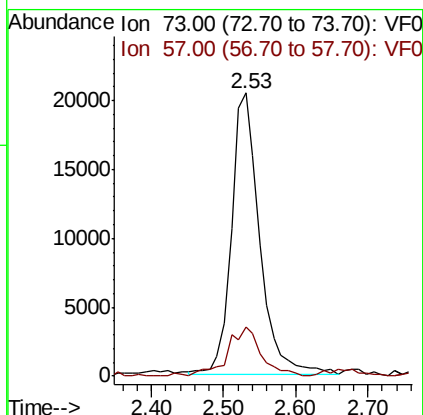
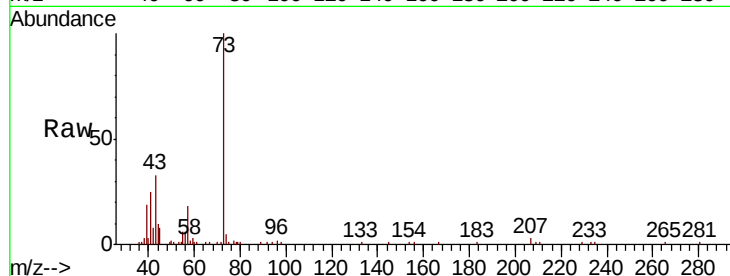


#19

Methyl tert-butyl Ether
 Concen: 12.205 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :

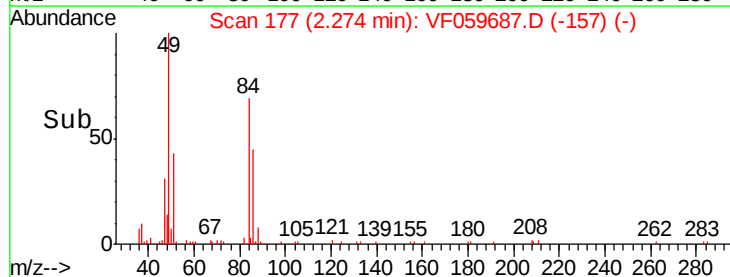
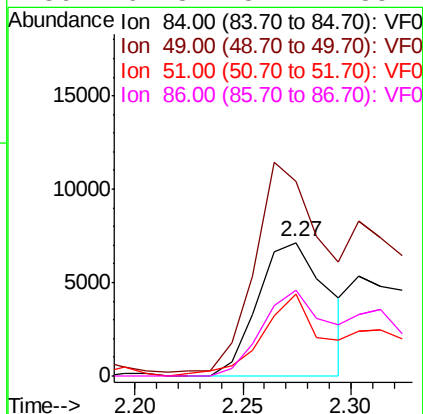
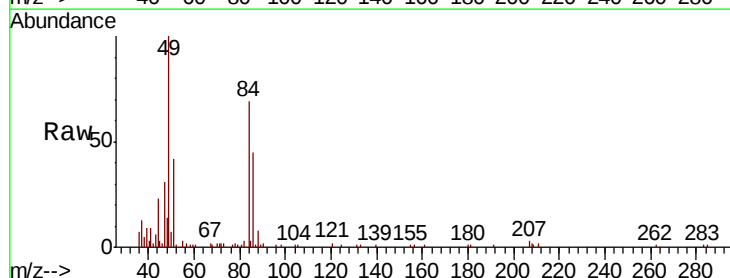
Tot Ion: 73 Resp: 55711
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.2 21.2

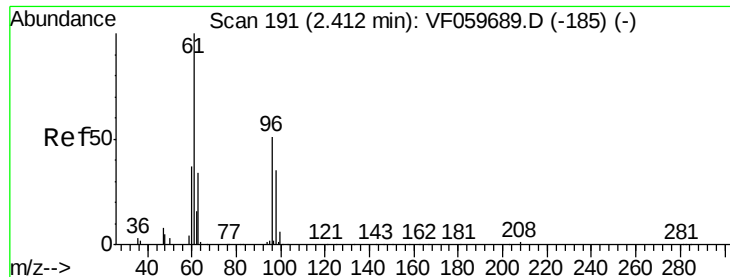


#20

Methylene Chloride
 Concen: 6.834 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion: 84 Resp: 16094
 Ion Ratio Lower Upper
 84 100
 49 145.5 142.2 213.4
 51 61.5 46.2 69.2
 86 64.8 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 10.910 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampled :

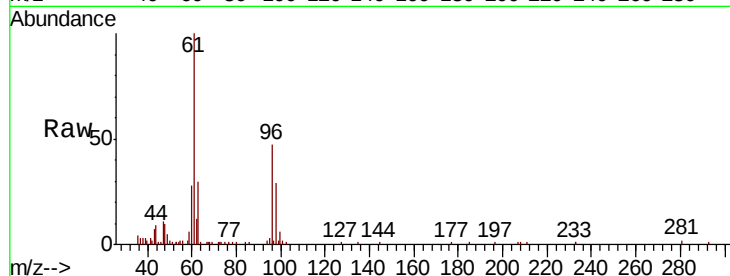
Tot Ion: 96 Resp: 18277

Ion Ratio Lower Upper

96 100

61 214.4 157.4 236.0

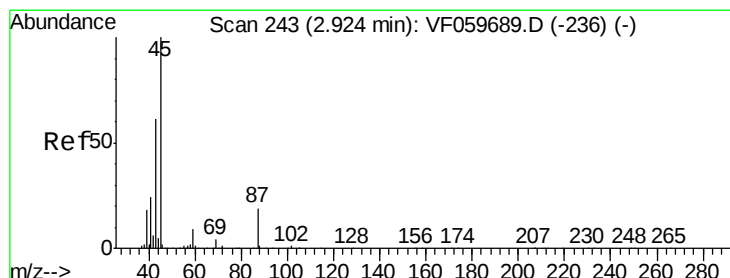
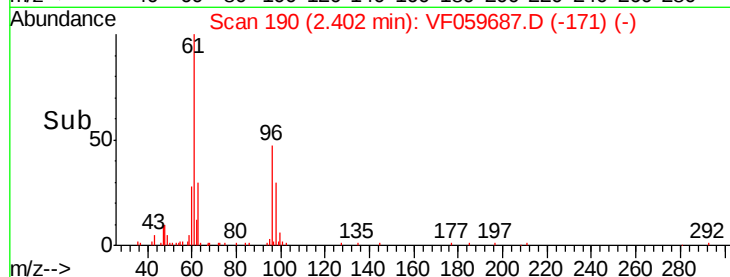
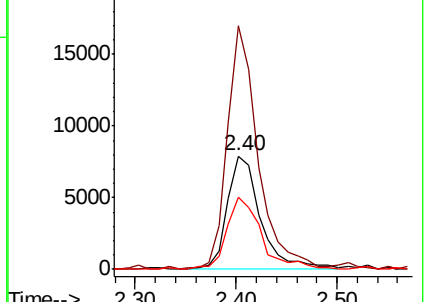
98 63.2 55.0 82.4



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: 11.606 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion: 45 Resp: 61984

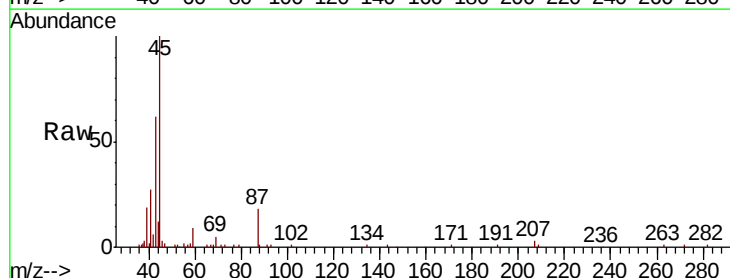
Ion Ratio Lower Upper

45 100

43 61.9 49.3 73.9

87 18.5 15.3 22.9

59 9.2 7.1 10.7

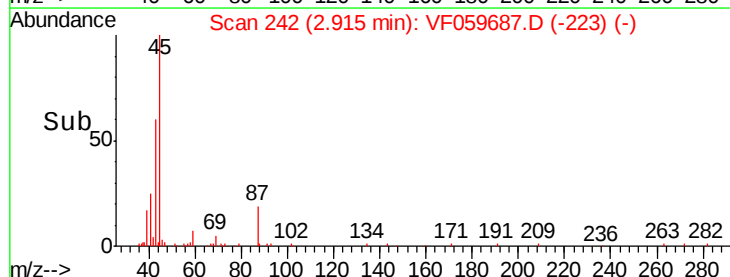
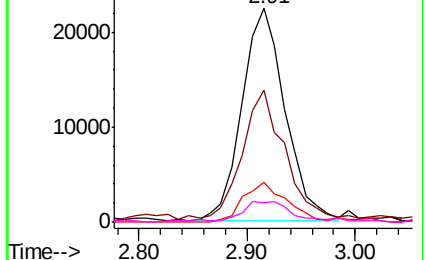


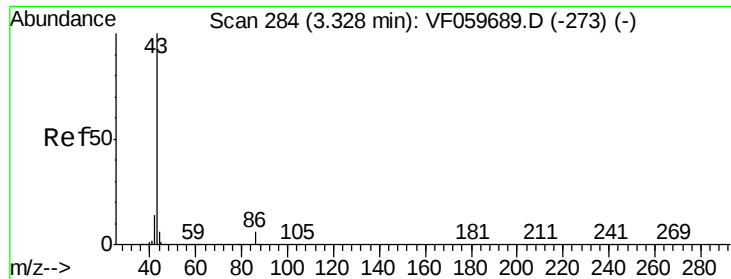
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 65.142 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

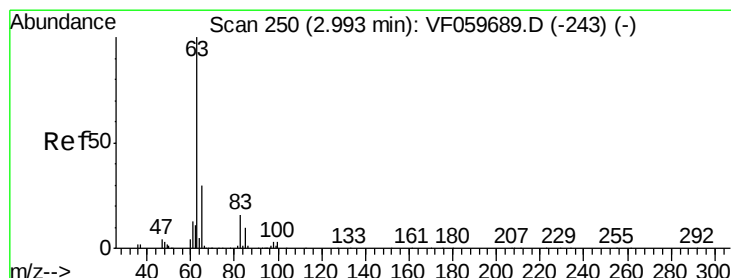
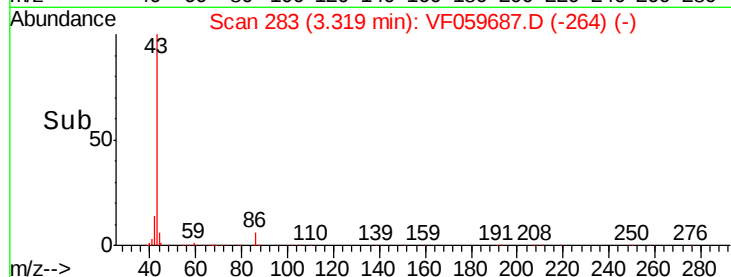
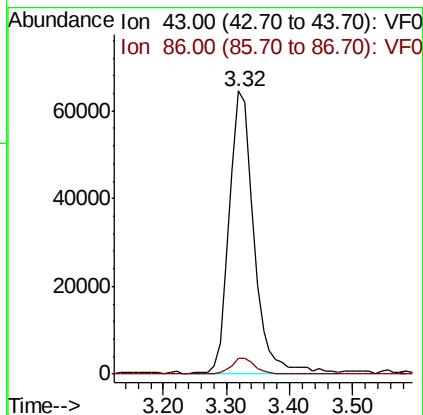
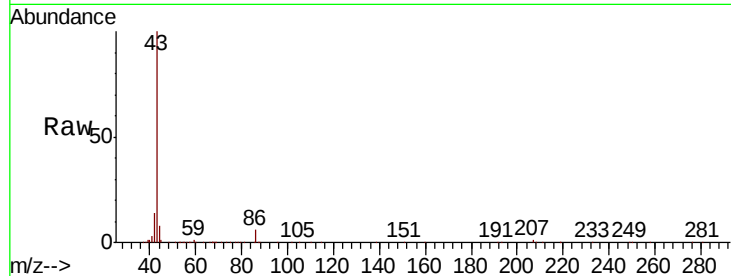
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 172473

Ion Ratio Lower Upper

43 100

86 5.5 4.6 6.8



#24

1,1-Dichloroethane

Concen: 11.455 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

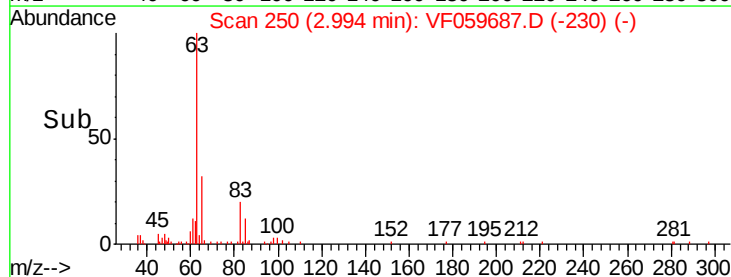
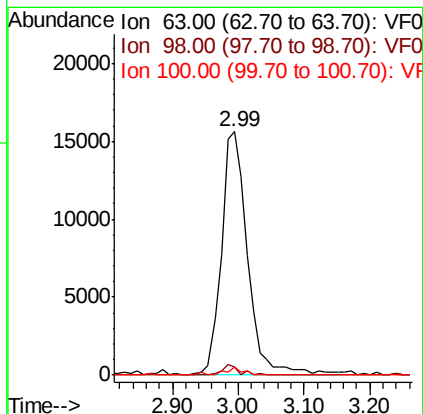
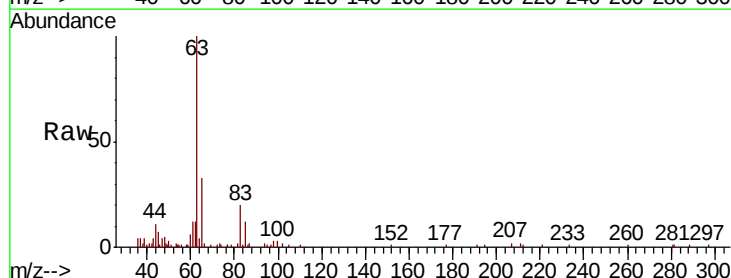
Tgt Ion: 63 Resp: 43530

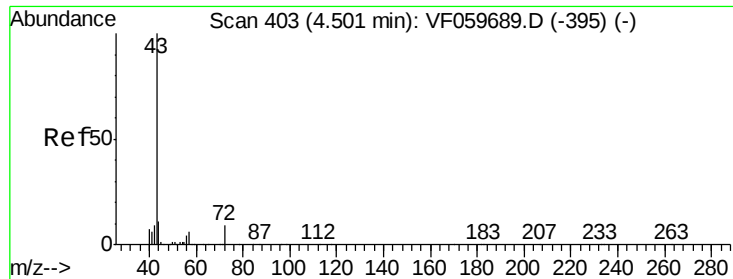
Ion Ratio Lower Upper

63 100

98 3.3 1.4 4.2

100 3.3 1.6 4.7





#25

2-Butanone

Concen: 64.134 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

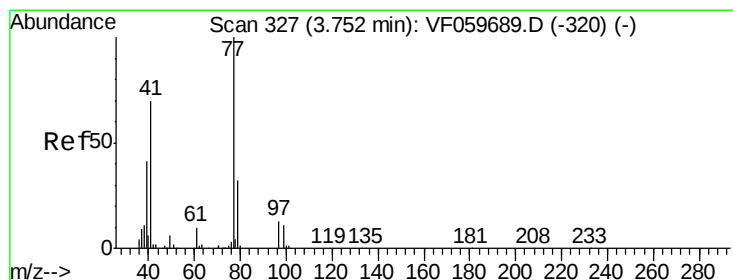
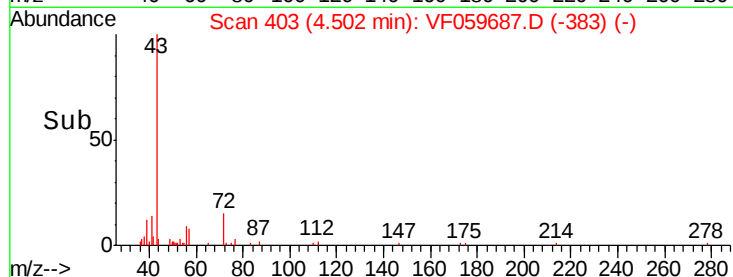
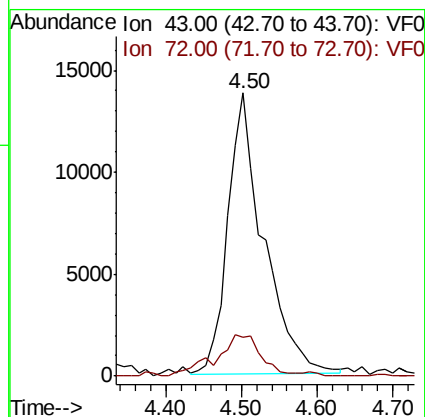
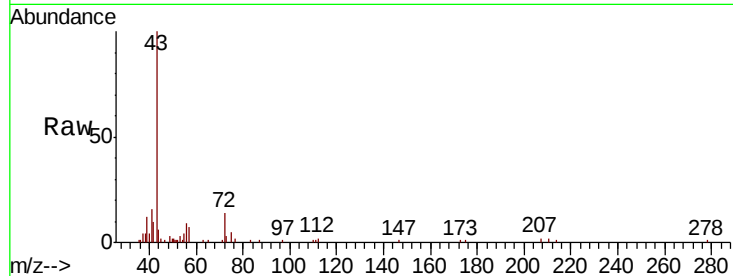
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 45190

Ion Ratio Lower Upper

43 100

72 13.7 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 9.929 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059687.D

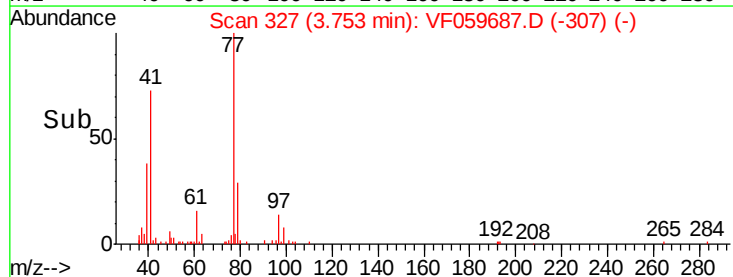
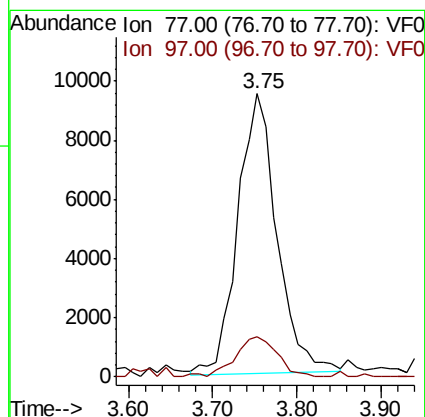
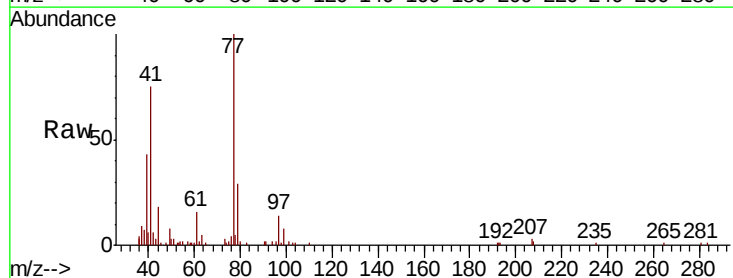
Acq: 30 Jul 2018 14:34

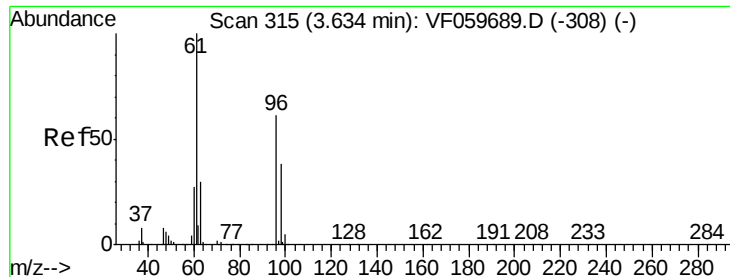
Tgt Ion: 77 Resp: 30692

Ion Ratio Lower Upper

77 100

97 14.0 6.8 20.4



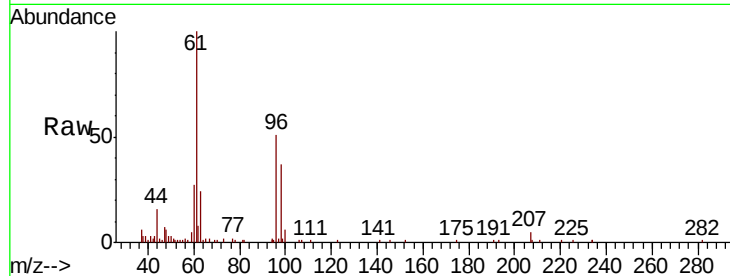


#27

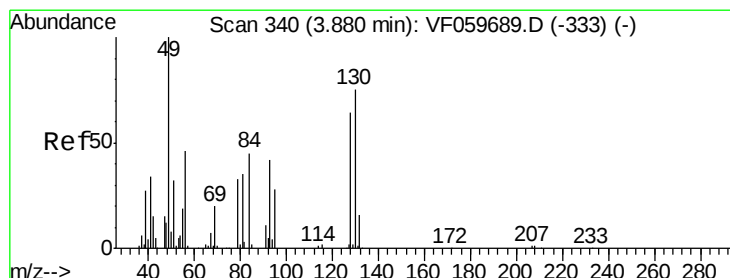
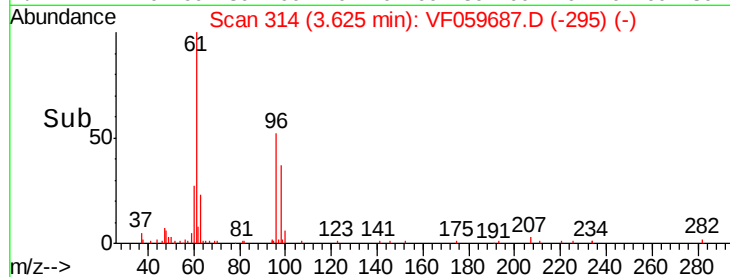
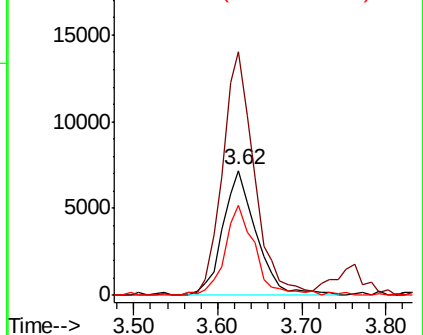
cis-1,2-Dichloroethene
Concen: 10.164 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	194.6	0.0	326.8
98	71.7	0.0	125.2



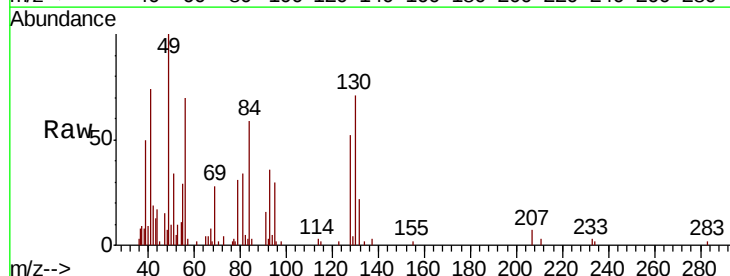
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



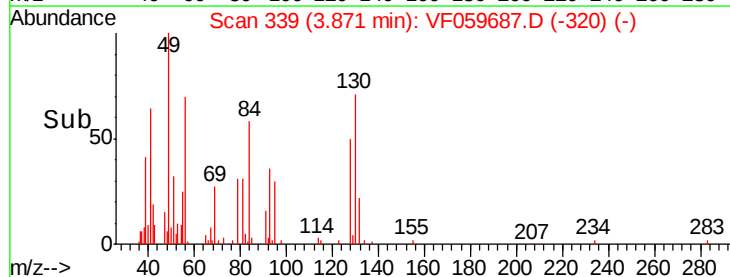
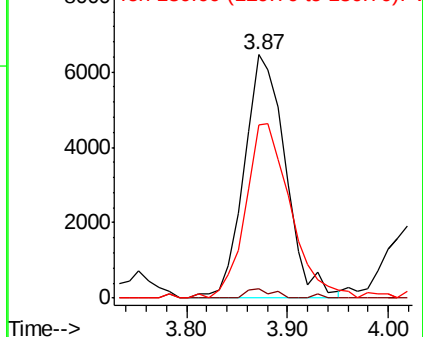
#28

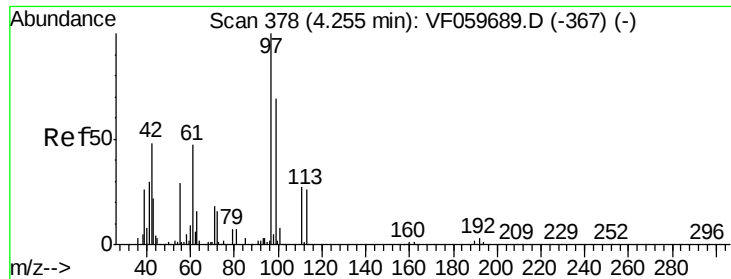
Bromochloromethane
Concen: 13.180 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	4.8
130	71.1	59.6	89.4



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

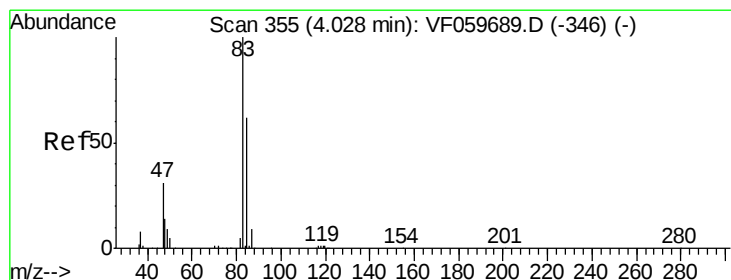
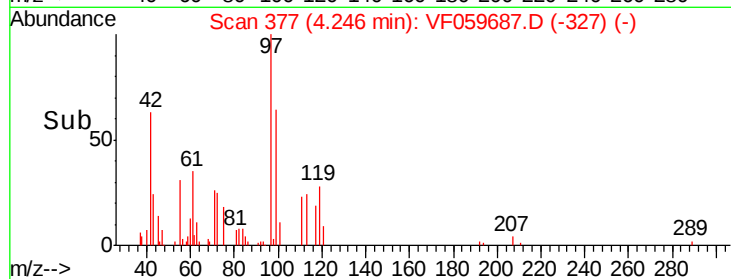
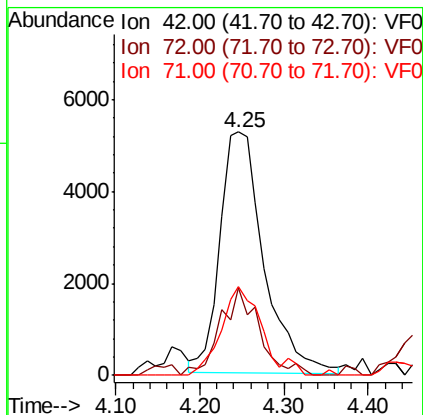
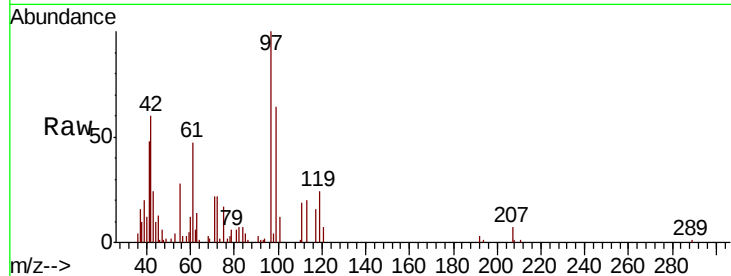




#29
Tetrahydrofuran
Concen: 67.313 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

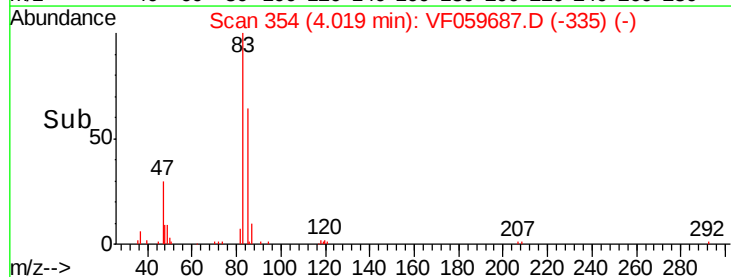
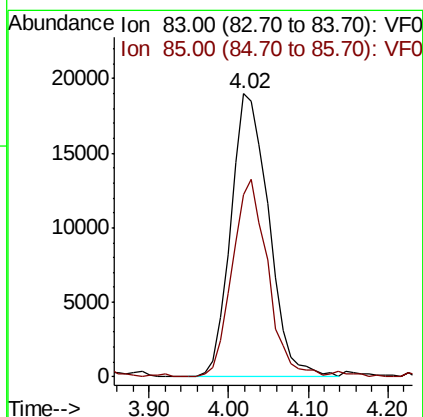
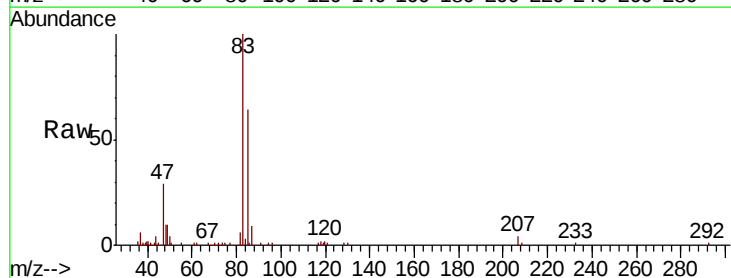
Instrument :
MSVOA_F
ClientSampleId :

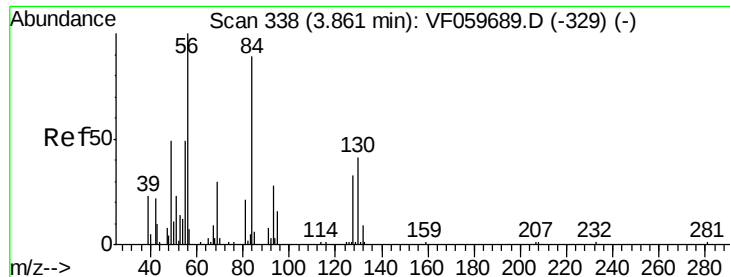
Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	27.0	40.6
71	34.0	29.7	44.5



#30
Chloroform
Concen: 11.683 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.0

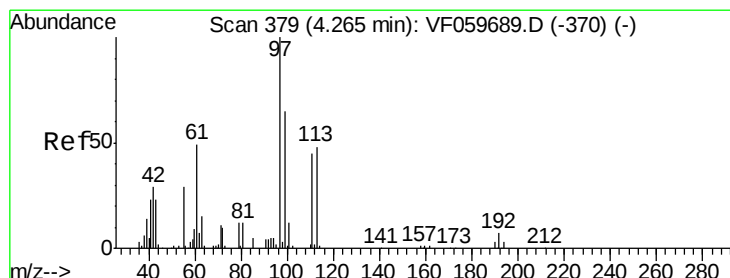
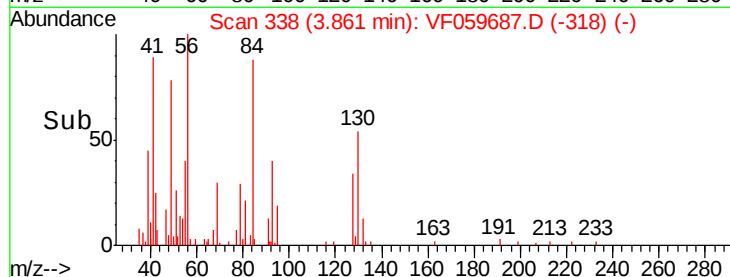
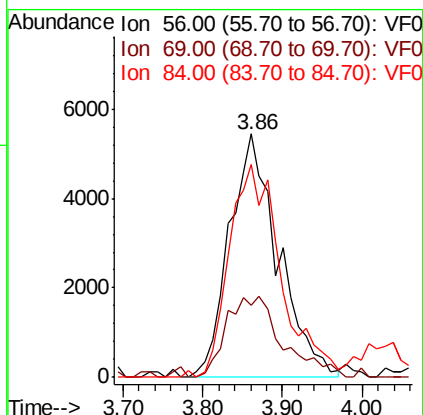
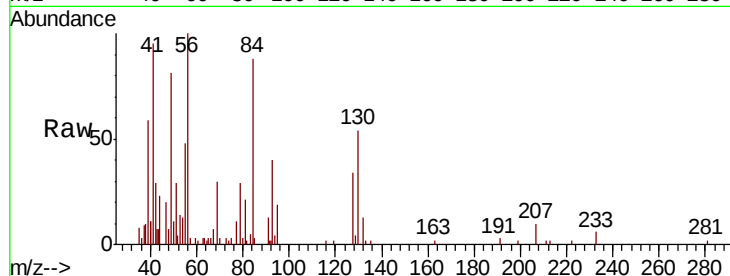




#31
Cyclohexane
Concen: 10.618 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

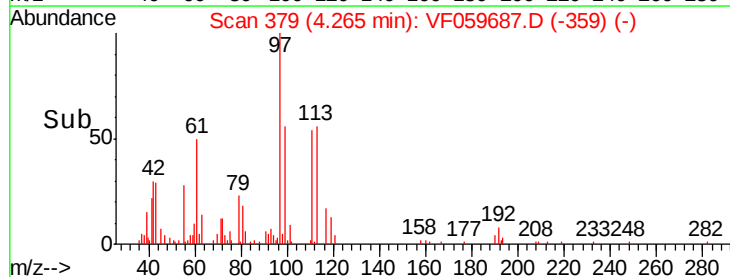
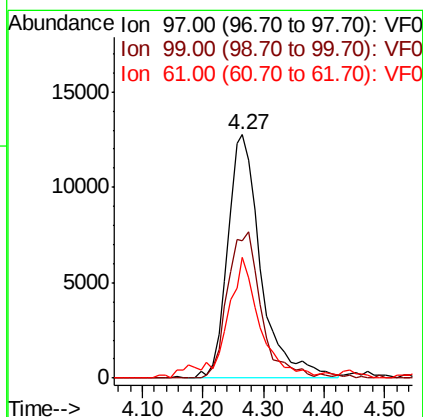
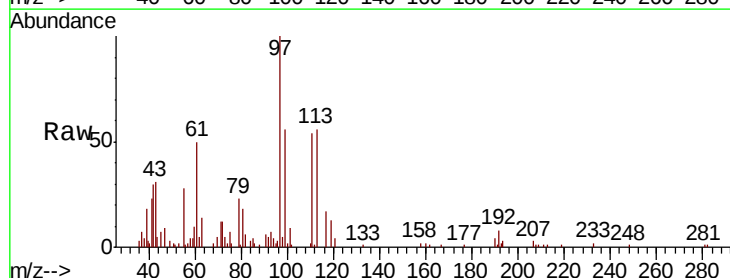
Instrument :
MSVOA_F
ClientSampleId :

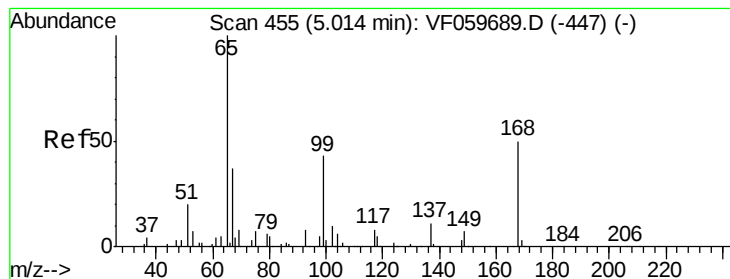
Tot Ion: 56 Resp: 23183
Ion Ratio Lower Upper
56 100
69 29.8 23.7 35.5
84 87.6 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 11.014 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion: 97 Resp: 48495
Ion Ratio Lower Upper
97 100
99 56.5 52.4 78.6
61 49.8 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 12.009 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

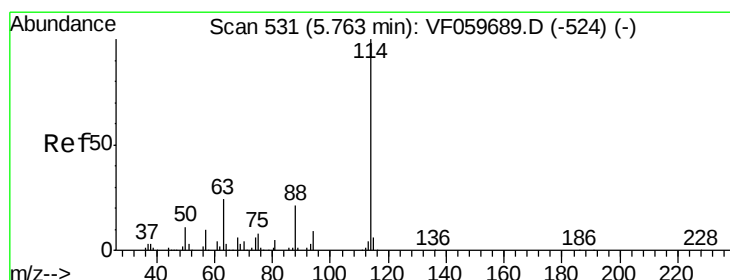
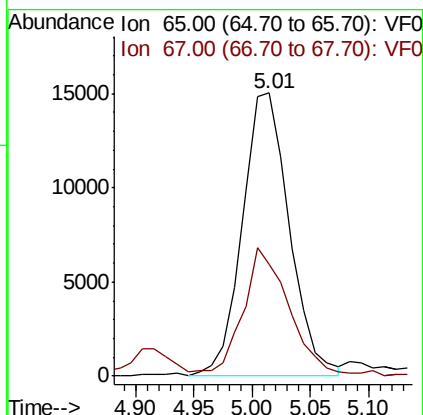
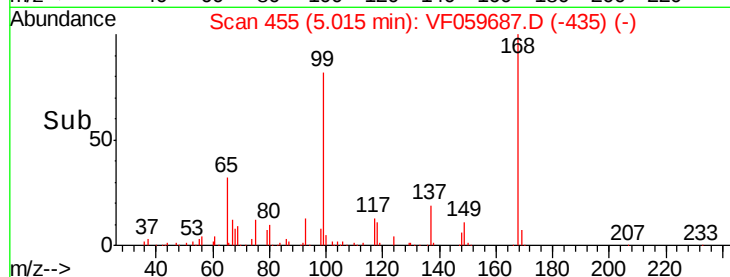
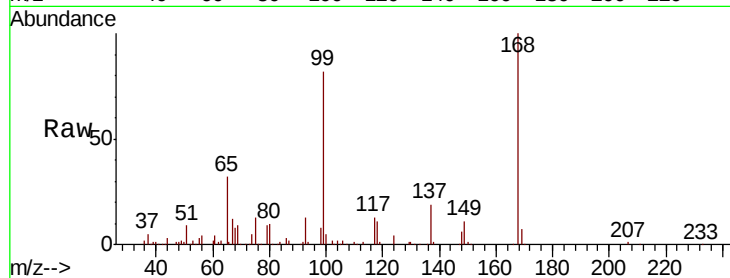
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 42149

Ion Ratio Lower Upper

65 100

67 39.4 0.0 84.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

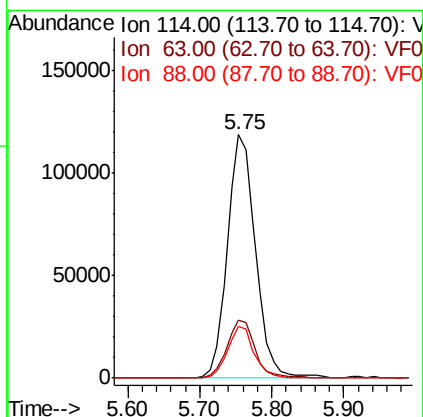
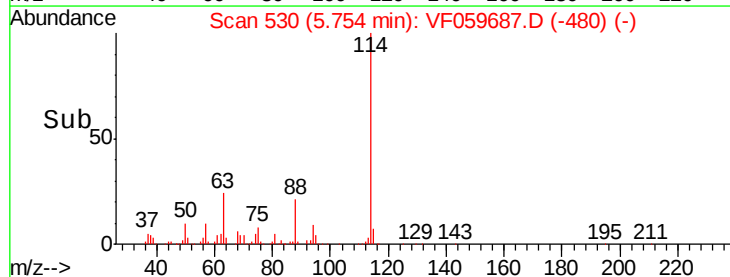
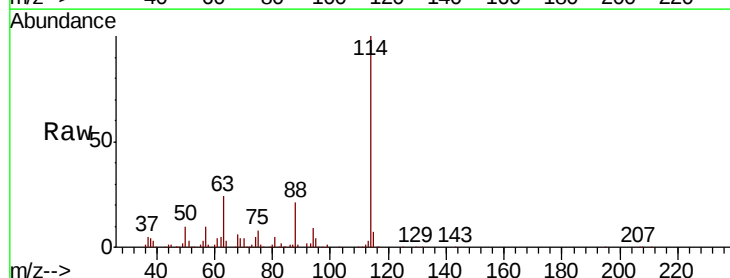
Tgt Ion:114 Resp: 322011

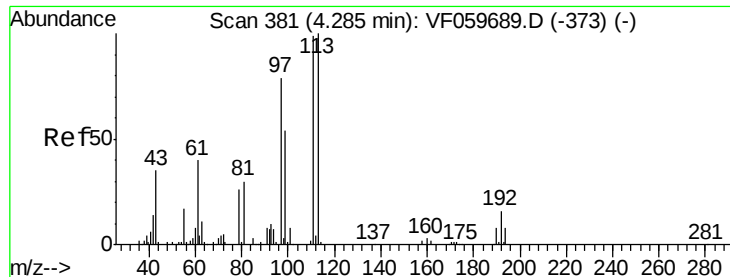
Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.4

88 21.2 0.0 41.2

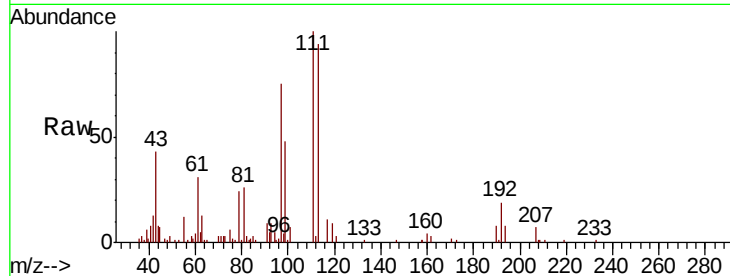




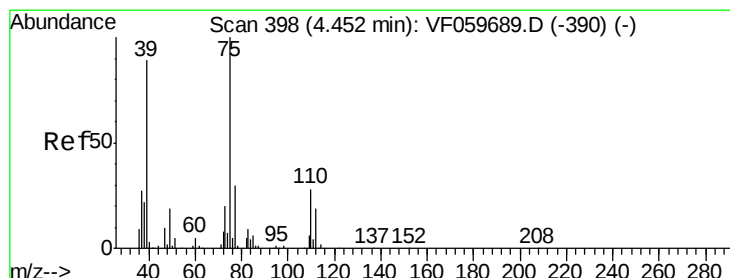
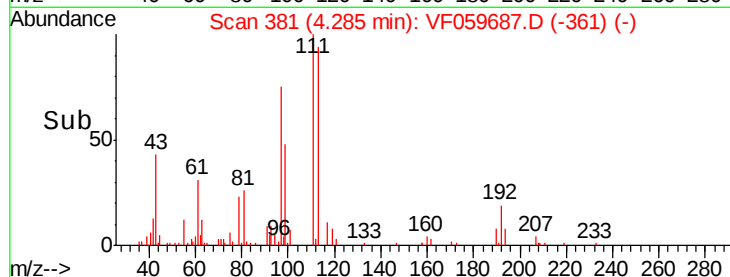
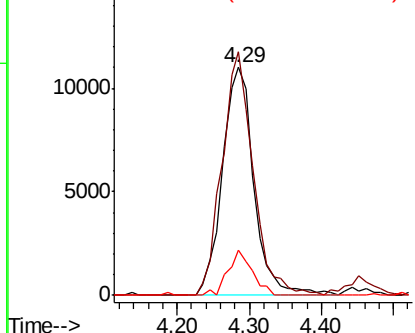
#35
 Dibromofluoromethane
 Concen: 10.842 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 33412
 Ion Ratio Lower Upper
 113 100
 111 106.8 79.0 118.4
 192 19.8 13.2 19.8

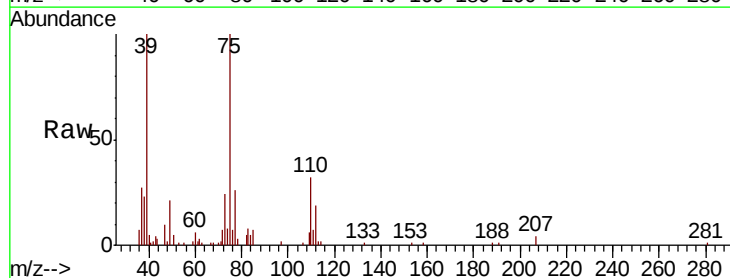


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

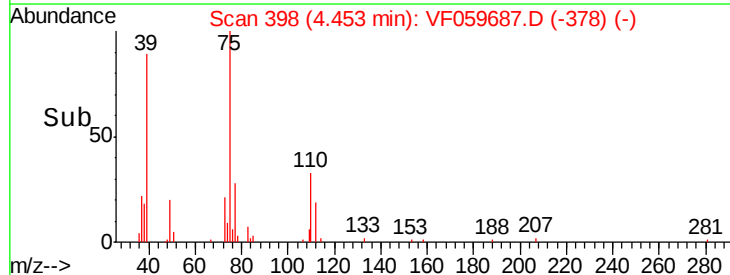
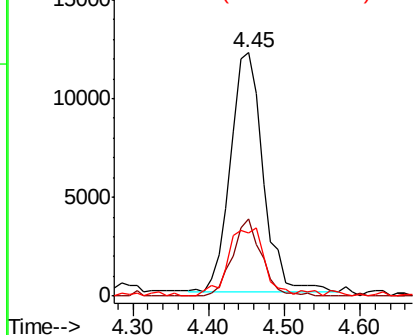


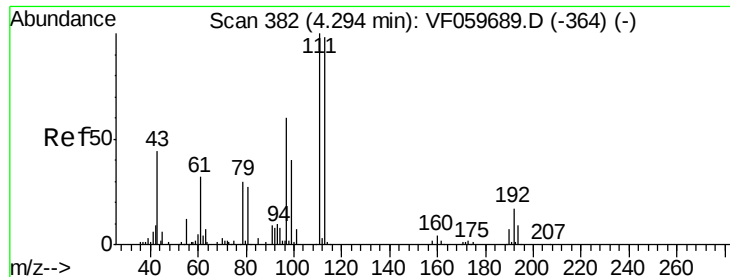
#36
 1,1-Dichloropropene
 Concen: 10.261 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion: 75 Resp: 35838
 Ion Ratio Lower Upper
 75 100
 110 31.7 14.0 41.9
 77 26.1 24.2 36.2



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





#37

Ethyl Acetate

Concen: 15.170 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :

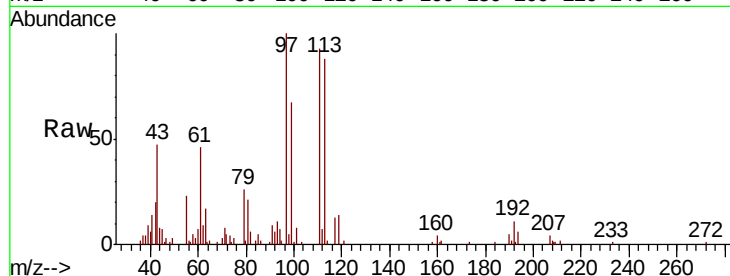
Tot Ion: 43 Resp: 23113

Ion Ratio Lower Upper

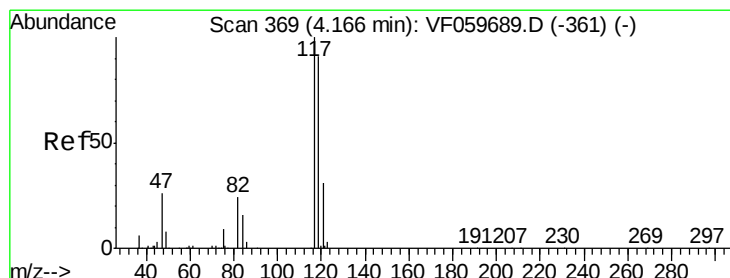
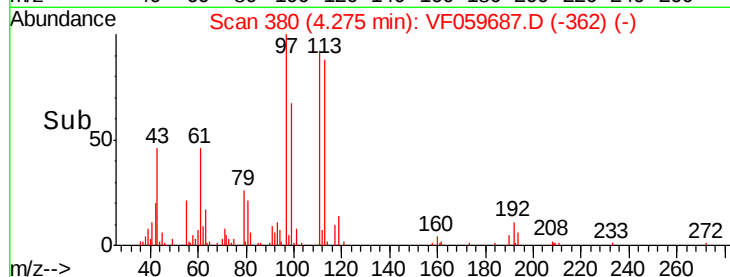
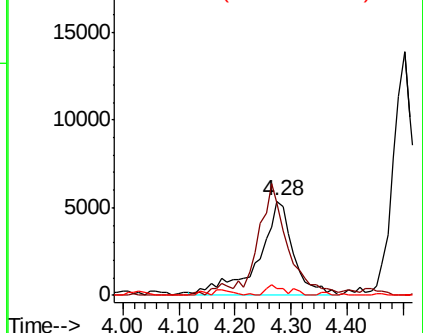
43 100

61 97.5 58.2 87.2#

70 6.6 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: 10.764 ug/l

RT: 4.17 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

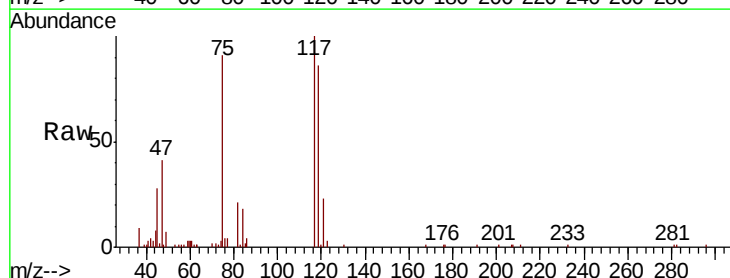
Tgt Ion: 117 Resp: 55161

Ion Ratio Lower Upper

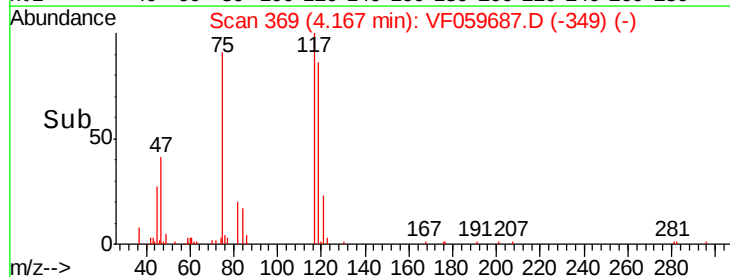
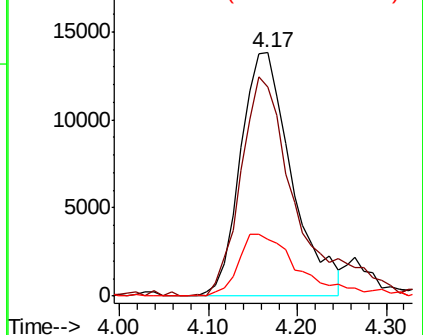
117 100

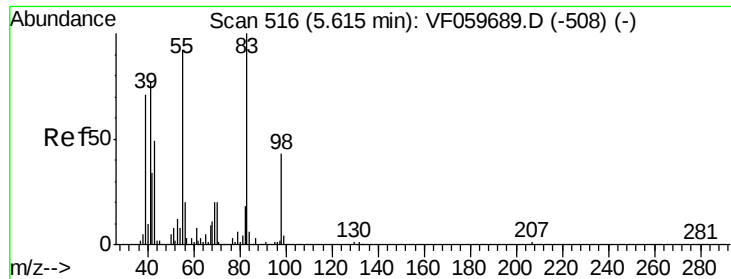
119 86.1 72.9 109.3

121 23.4 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

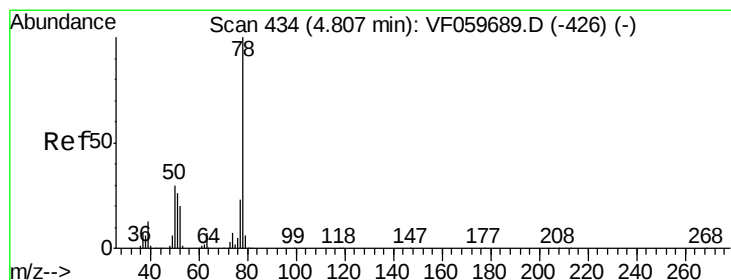
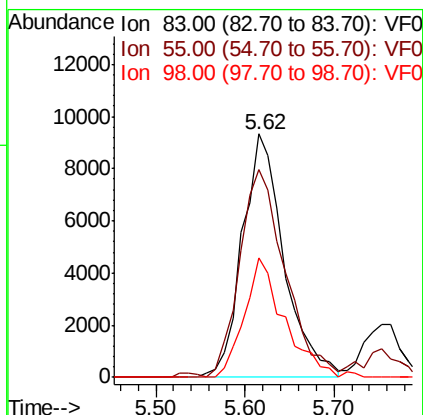
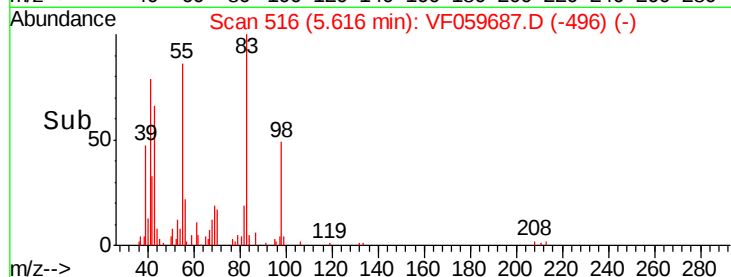
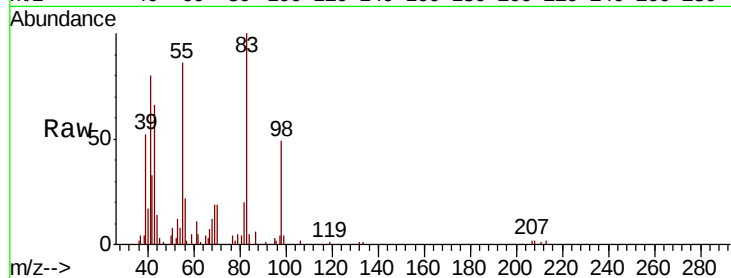




#39
Methvlcvclohexane
Concen: 10.649 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

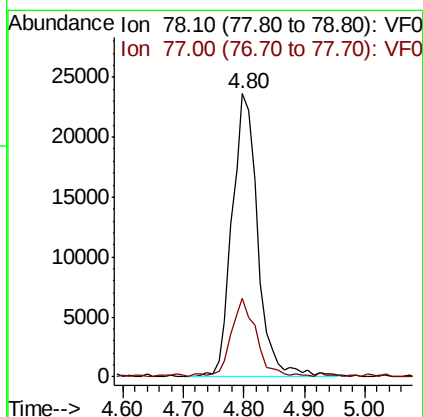
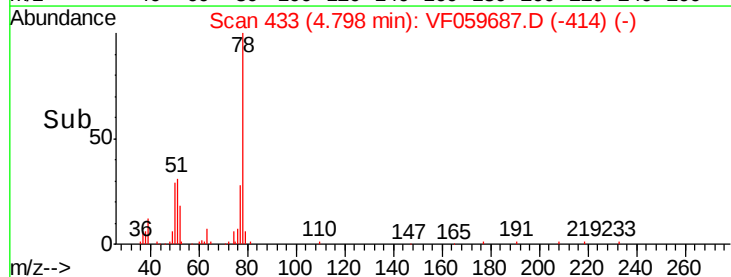
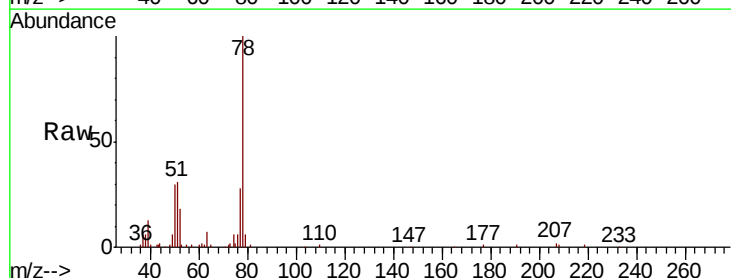
Instrument :
MSVOA_F
ClientSampleId :

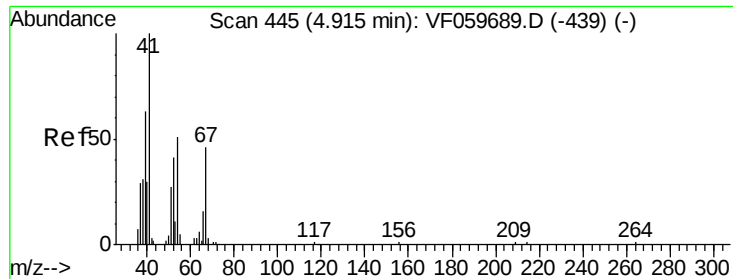
Tot Ion: 83 Resp: 30271
Ion Ratio Lower Upper
83 100
55 85.5 73.4 110.2
98 49.3 34.2 51.4



#40
Benzene
Concen: 11.260 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion: 78 Resp: 69853
Ion Ratio Lower Upper
78 100
77 27.8 18.9 28.3

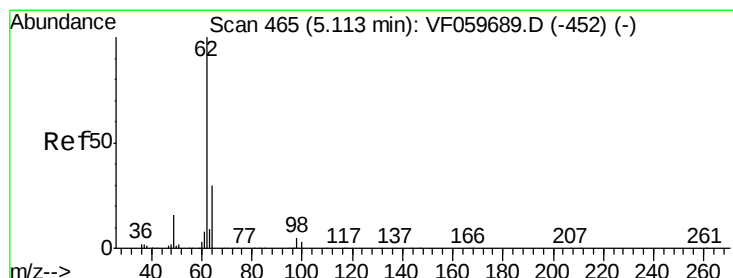
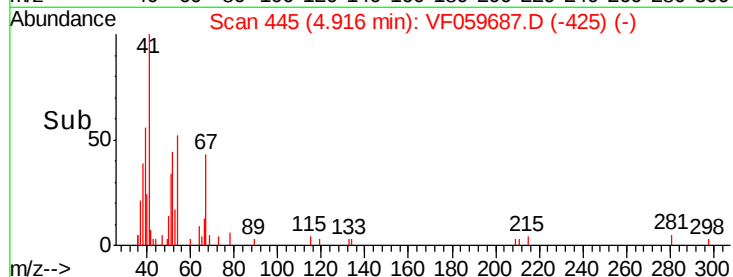
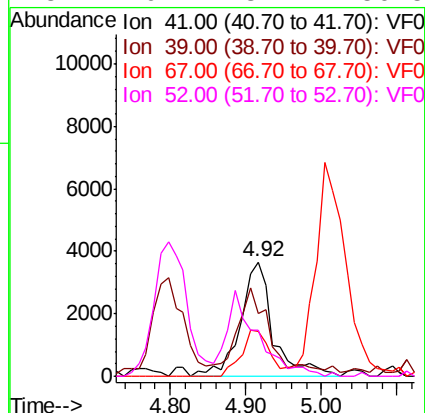
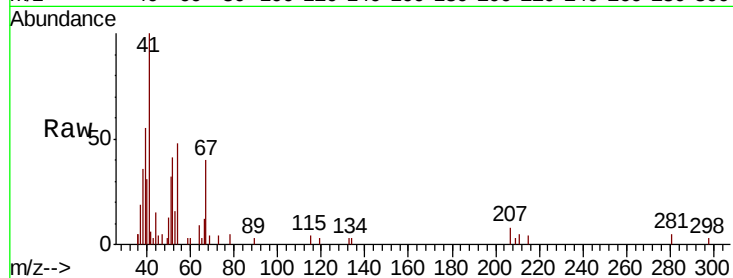




#41
Methacrylonitrile
Concen: 14.503 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

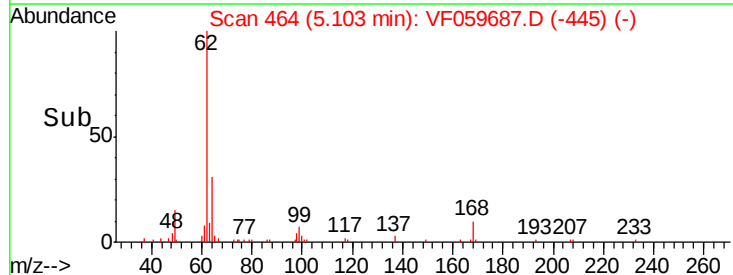
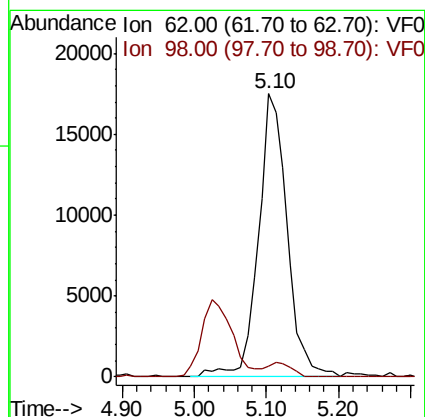
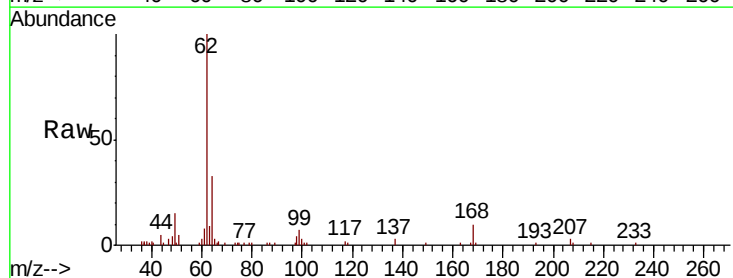
Instrument :
MSVOA_F
ClientSampled :

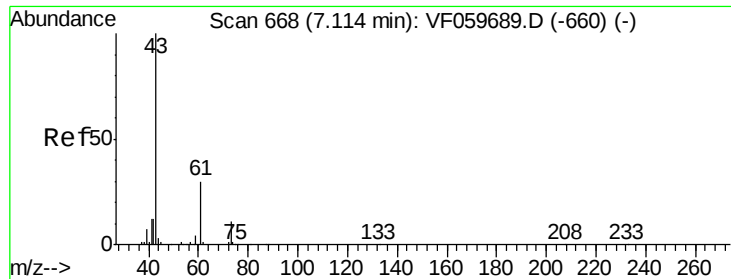
Tot Ion:	41	Resp:	10881
Ion	Ratio	Lower	Upper
41	100		
39	55.3	55.2	82.8
67	39.7	36.2	54.2
52	40.7	37.7	56.5



#42
1,2-Dichloroethane
Concen: 12.098 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion:	62	Resp:	48834
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	9.6



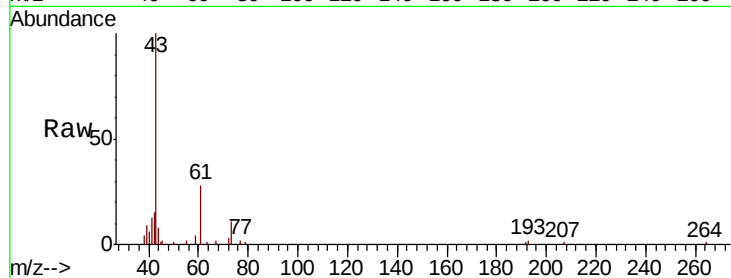


#43

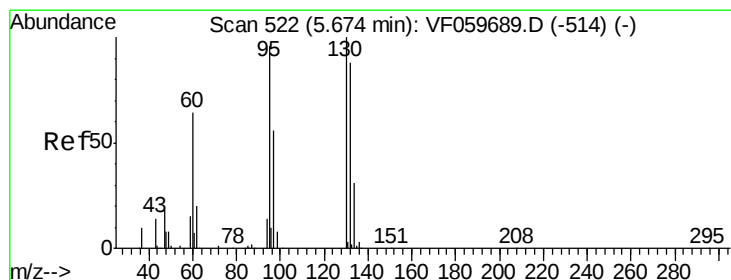
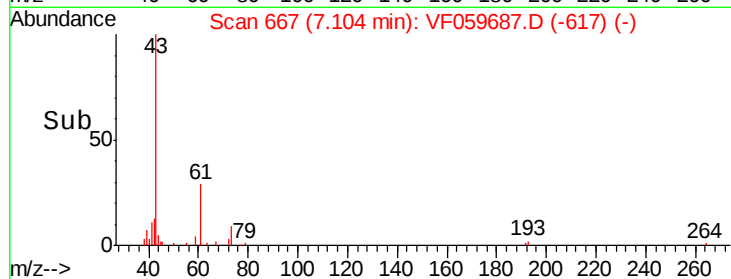
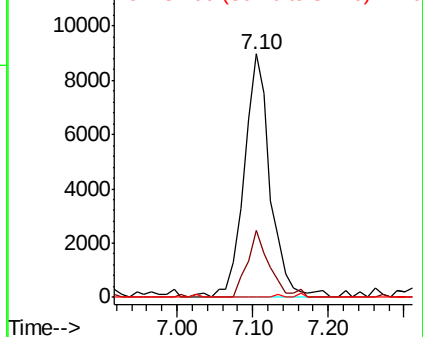
Isopropyl Acetate
 Concen: 13.593 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 21444
 Ion Ratio Lower Upper
 43 100
 61 27.6 23.8 35.8
 87 0.0 0.6 1.0#



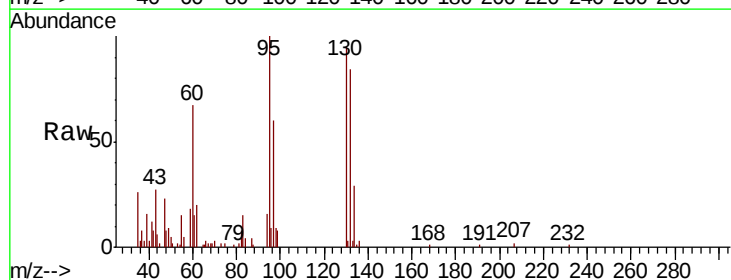
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



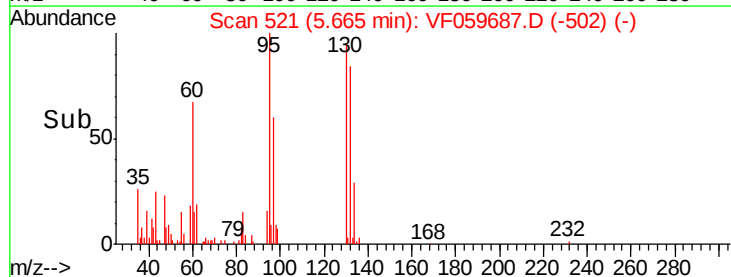
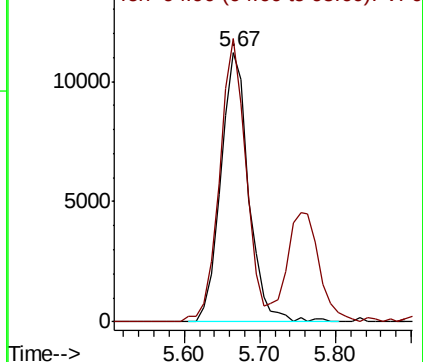
#44

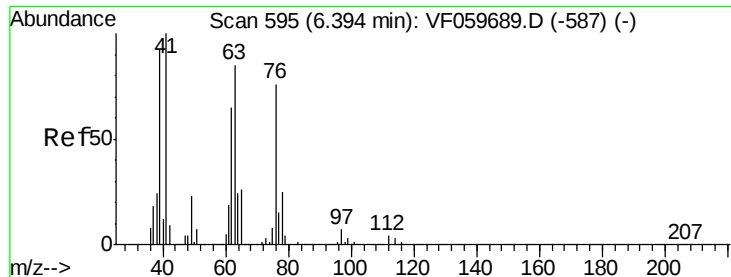
Trichloroethene
 Concen: 11.884 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion:130 Resp: 28554
 Ion Ratio Lower Upper
 130 100
 95 105.1 0.0 191.0



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

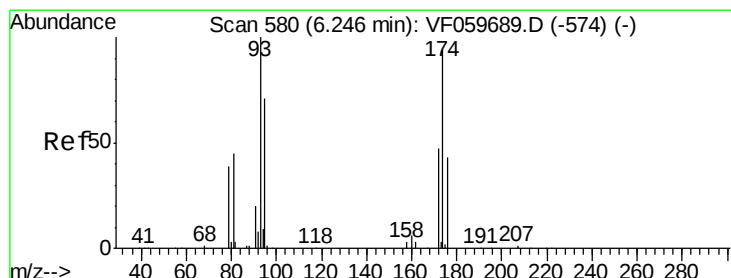
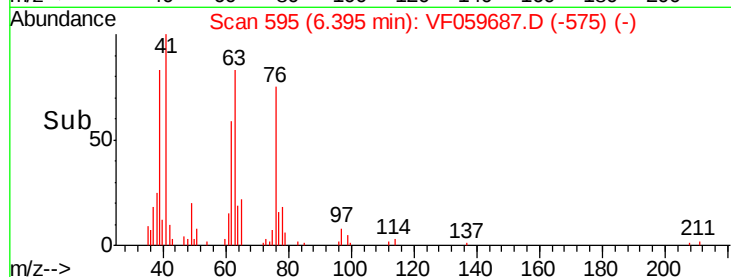
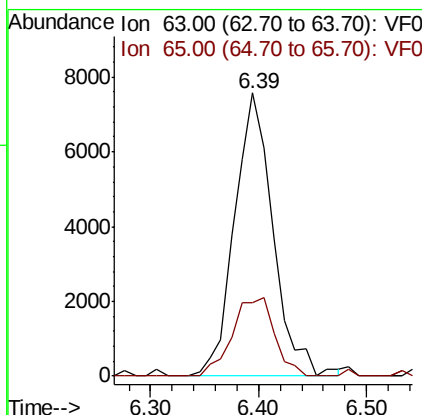
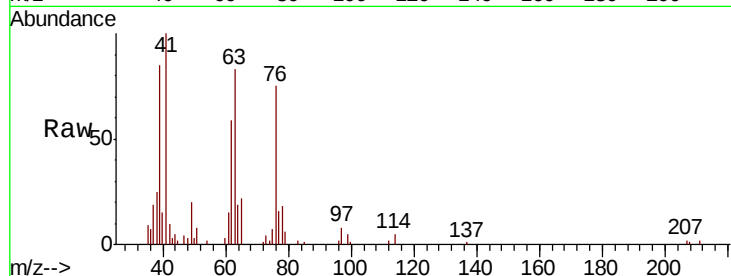




#45
 1,2-Dichloropropane
 Concen: 11.399 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

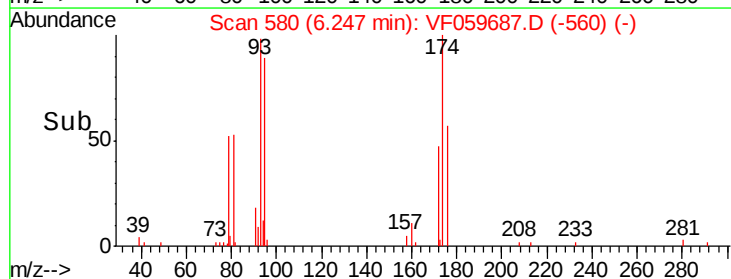
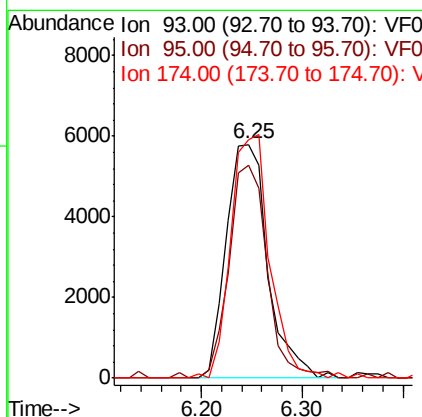
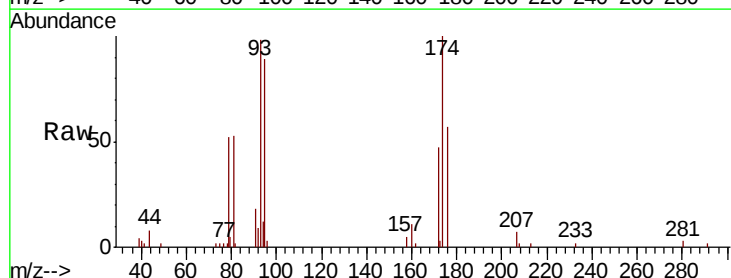
Instrument :
 MSVOA_F
 ClientSampleId :

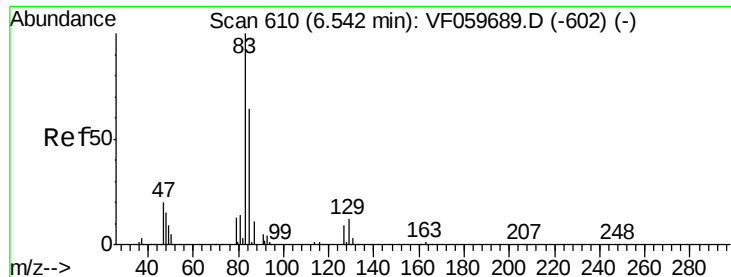
Tot Ion: 63 Resp: 18793
 Ion Ratio Lower Upper
 63 100
 65 25.8 25.2 37.8



#46
 Dibromomethane
 Concen: 11.615 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion: 93 Resp: 16628
 Ion Ratio Lower Upper
 93 100
 95 91.0 57.1 85.7#
 174 101.9 74.8 112.2





#47

Bromodichloromethane

Concen: 11.657 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampled :

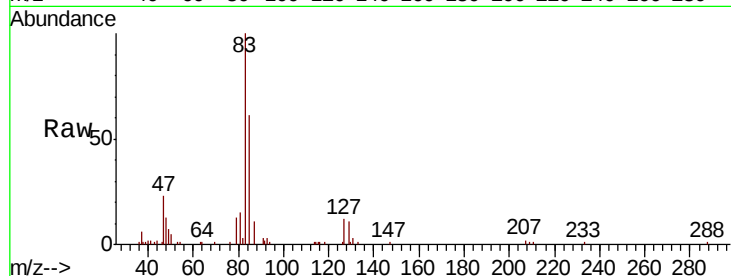
Tot Ion: 83 Resp: 48893

Ion Ratio Lower Upper

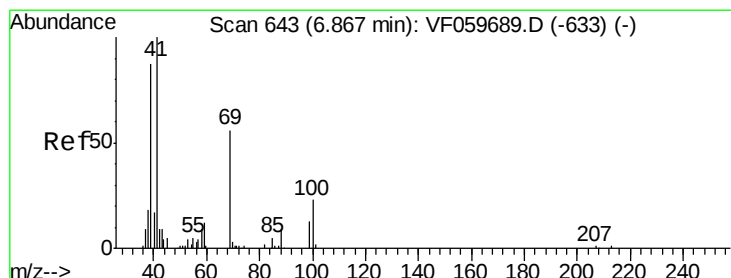
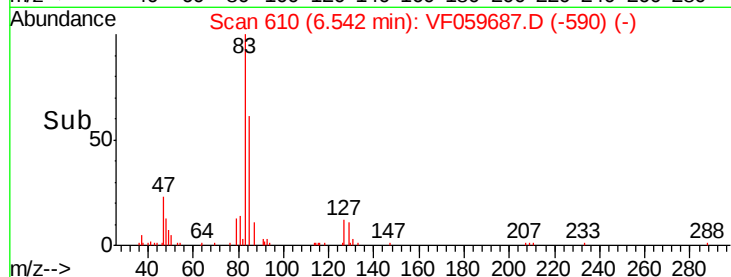
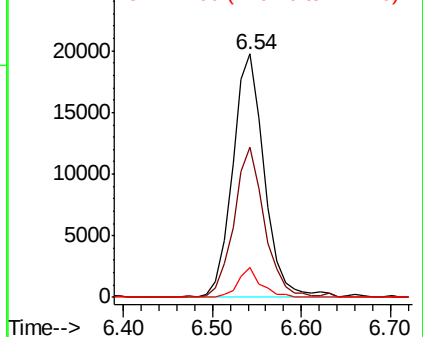
83 100

85 61.5 51.0 76.6

127 12.2 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 12.082 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

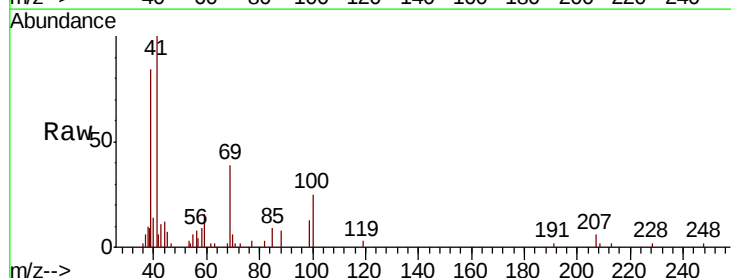
Tgt Ion: 41 Resp: 14959

Ion Ratio Lower Upper

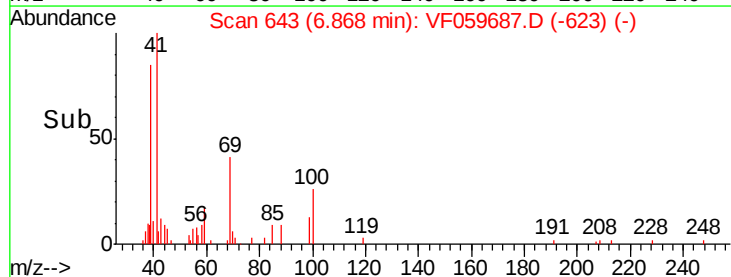
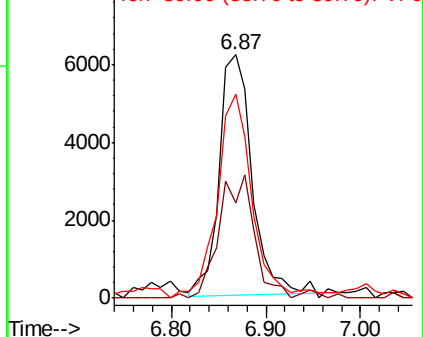
41 100

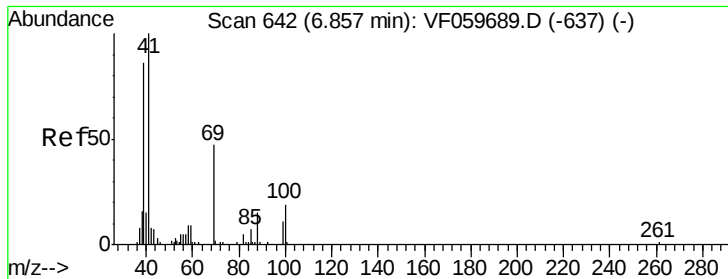
69 39.0 44.4 66.6#

39 83.8 69.4 104.2



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

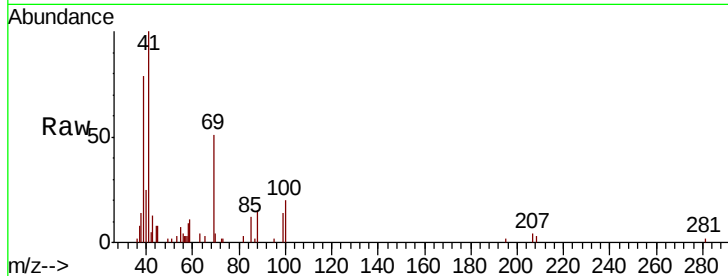




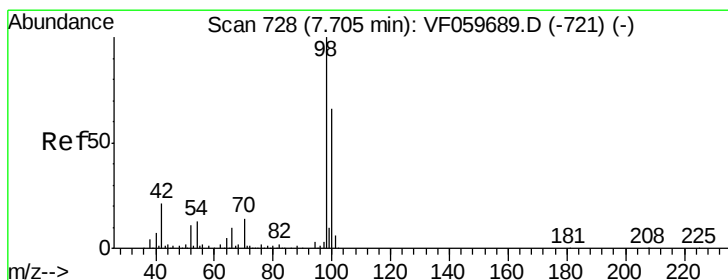
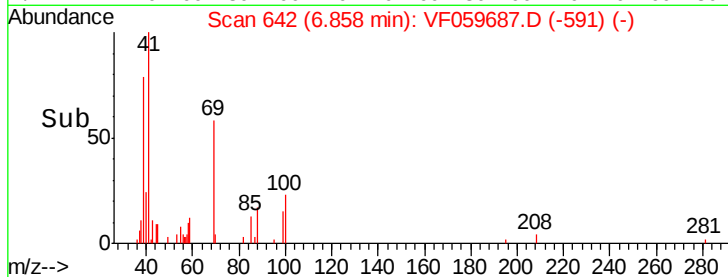
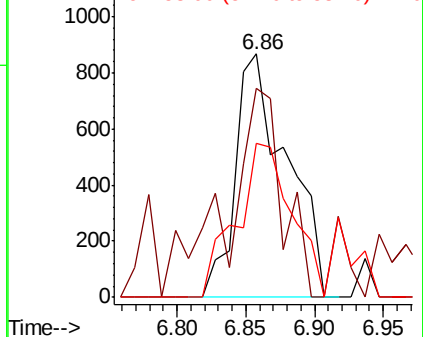
#49
1,4-Dioxane
Concen: 227.716 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 2250
Ion Ratio Lower Upper
88 100
43 85.6 45.2 67.8#
58 63.2 49.0 73.6

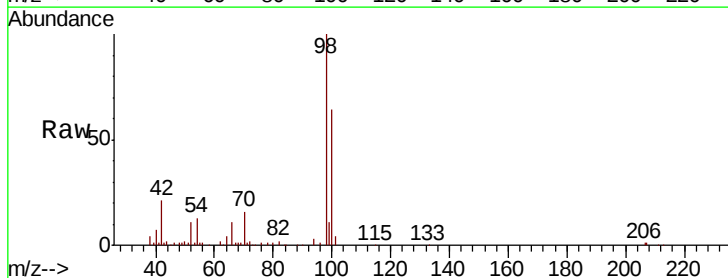


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

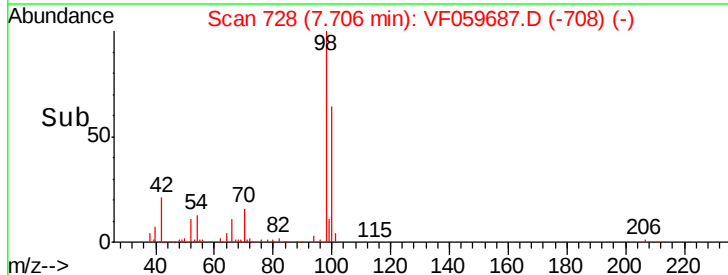
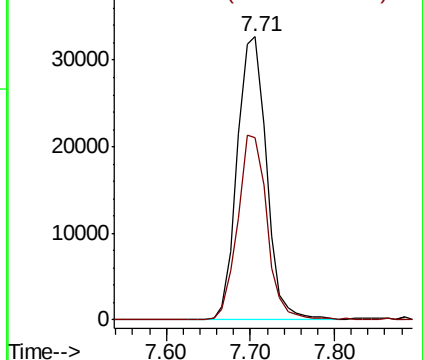


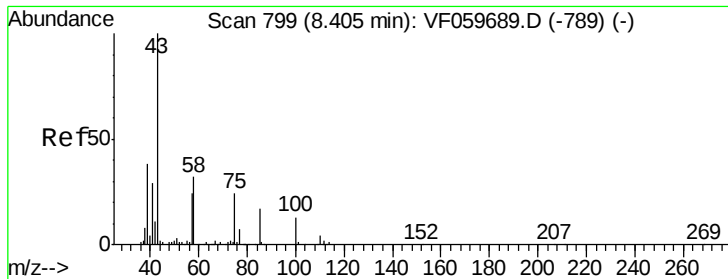
#50
Toluene-d8
Concen: 10.659 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion: 98 Resp: 79423
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 64.831 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

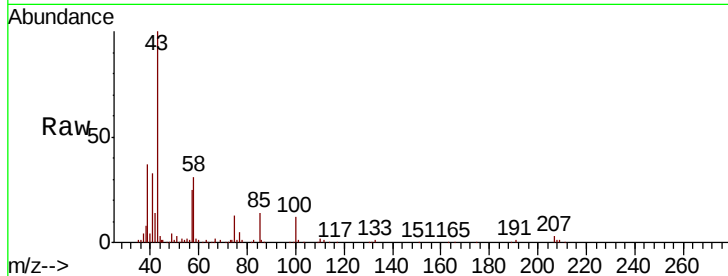
ClientSampleId :

Tot Ion: 43 Resp: 82305

Ion Ratio Lower Upper

43 100

58 31.3 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

30000

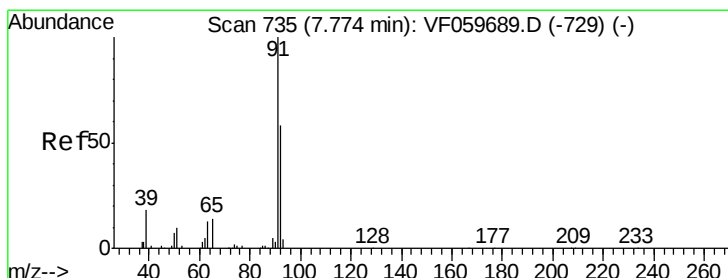
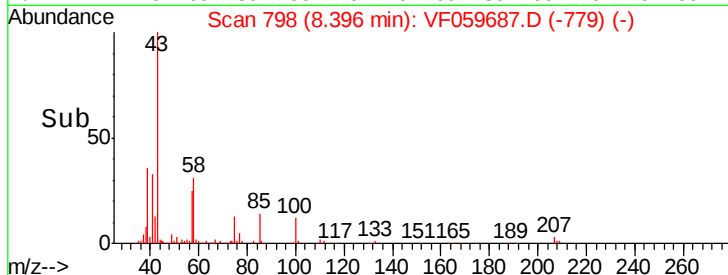
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 11.961 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059687.D

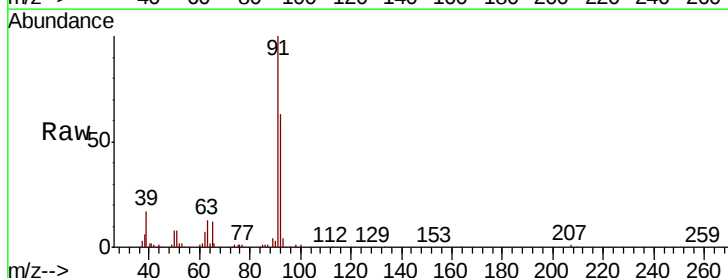
Acq: 30 Jul 2018 14:34

Tgt Ion: 92 Resp: 55115

Ion Ratio Lower Upper

92 100

91 159.4 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

40000

30000

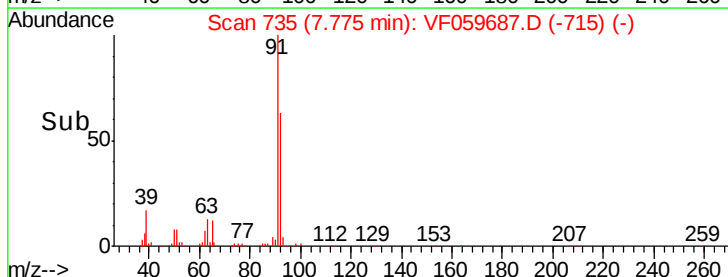
20000

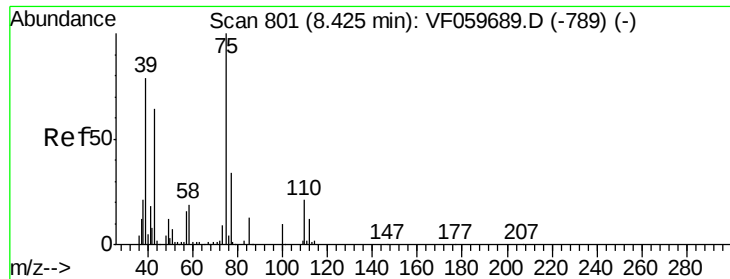
10000

0

7.70 7.77 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 12.109 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

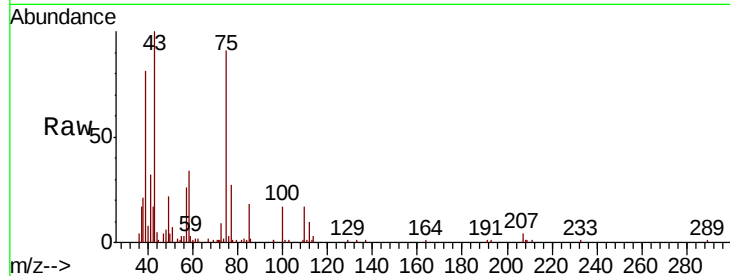
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 40627

Ion Ratio Lower Upper

75 100

77 30.2 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

20000

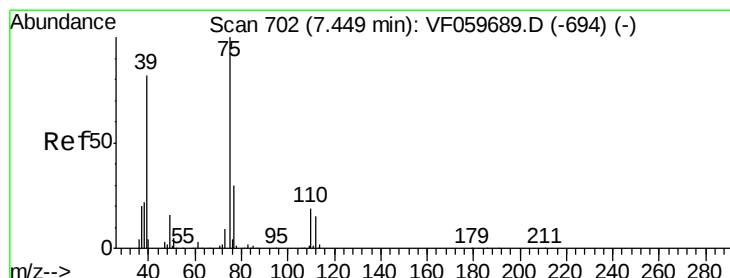
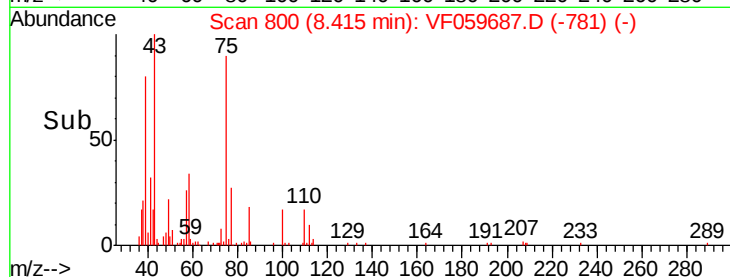
15000

10000

5000

0

Time--> 8.30 8.40 8.50



#54

cis-1,3-Dichloropropene

Concen: 11.792 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

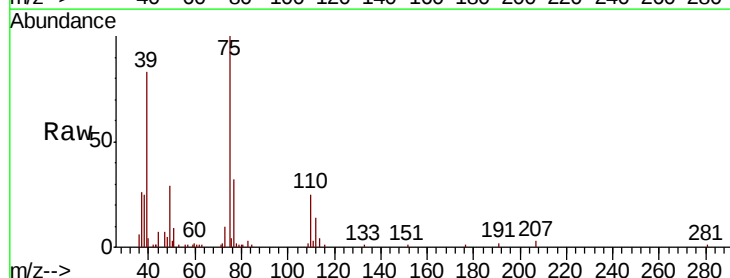
Tgt Ion: 75 Resp: 41049

Ion Ratio Lower Upper

75 100

77 32.1 24.0 36.0

39 83.3 65.4 98.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.45

20000

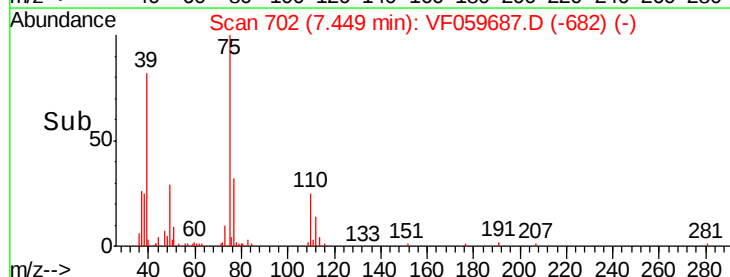
15000

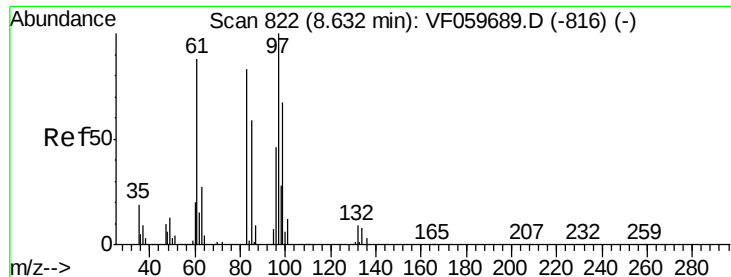
10000

5000

0

Time--> 7.35 7.40 7.45 7.50 7.55





#55

1,1,2-Trichloroethane

Concen: 12.150 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 18595

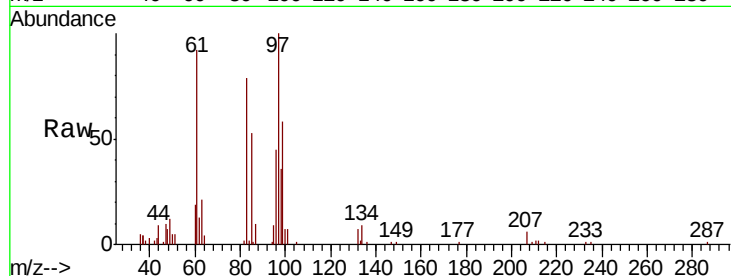
Ion Ratio Lower Upper

97 100

83 79.0 66.6 100.0

85 53.4 47.4 71.0

99 57.9 53.2 79.8

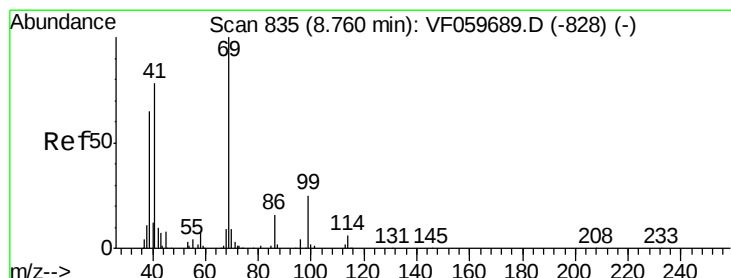
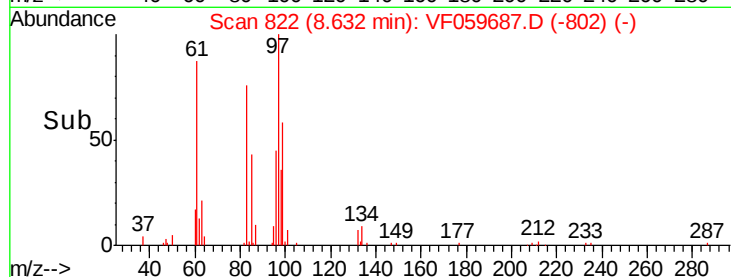
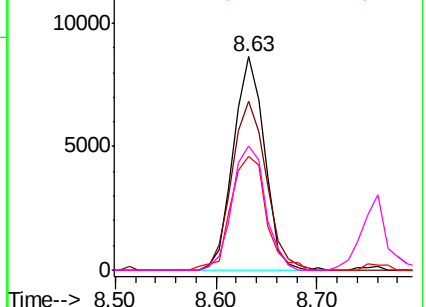


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 12.906 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

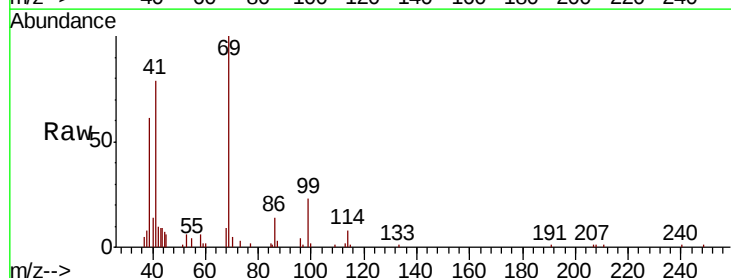
Tgt Ion: 69 Resp: 20940

Ion Ratio Lower Upper

69 100

41 79.4 62.3 93.5

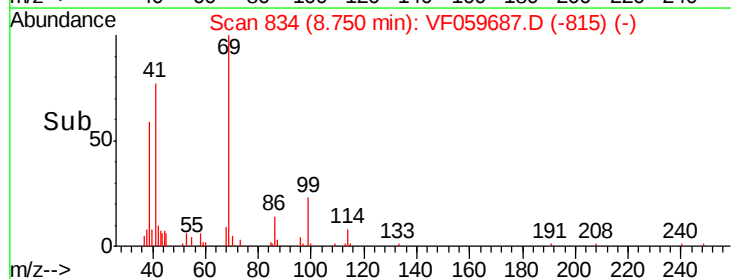
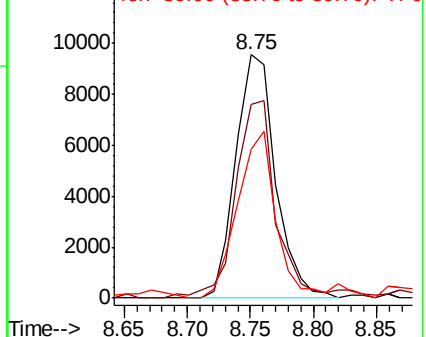
39 61.0 52.4 78.6

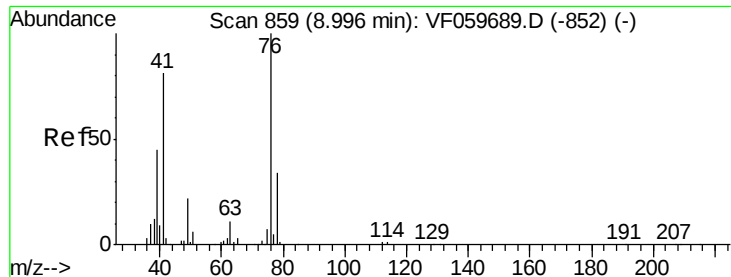


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 12.760 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

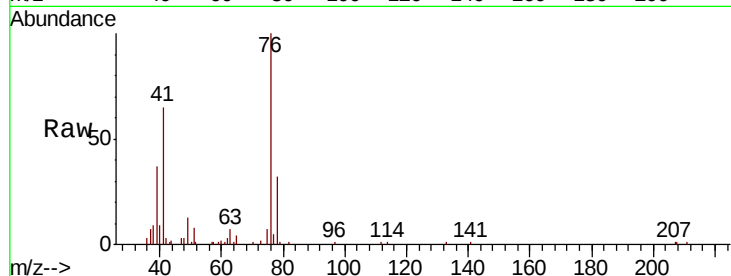
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 33769

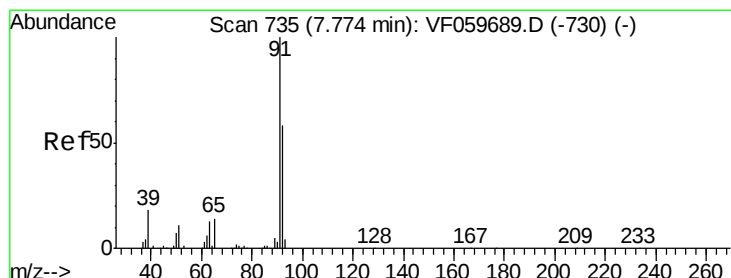
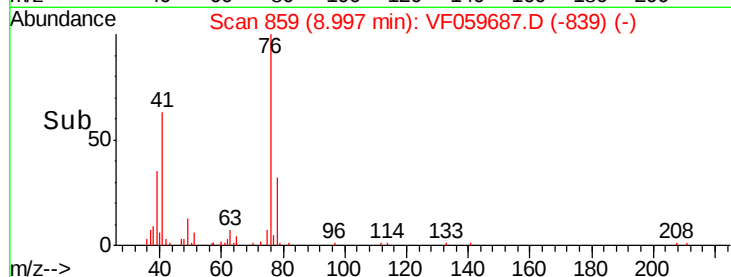
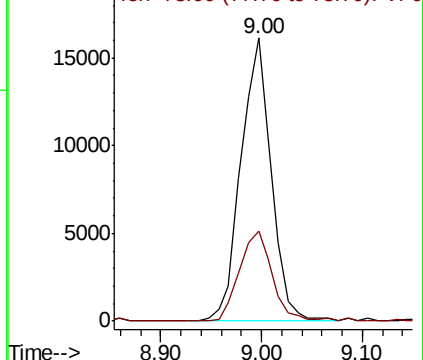
Ion Ratio Lower Upper

76 100

78 31.9 27.2 40.8



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 60.358 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059687.D

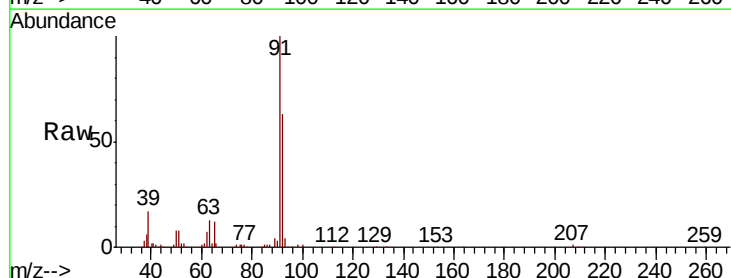
Acq: 30 Jul 2018 14:34

Tgt Ion: 63 Resp: 11824

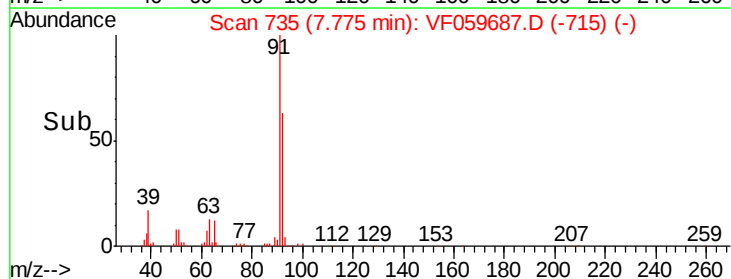
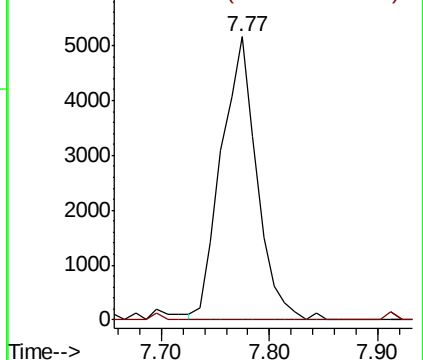
Ion Ratio Lower Upper

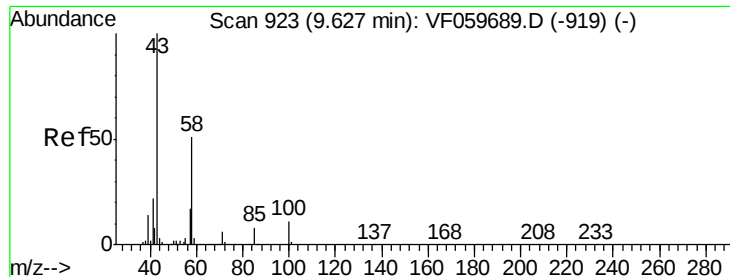
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V

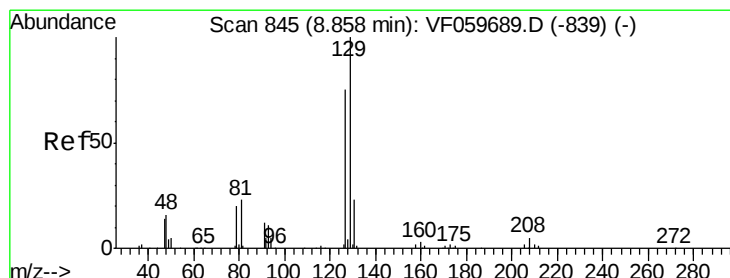
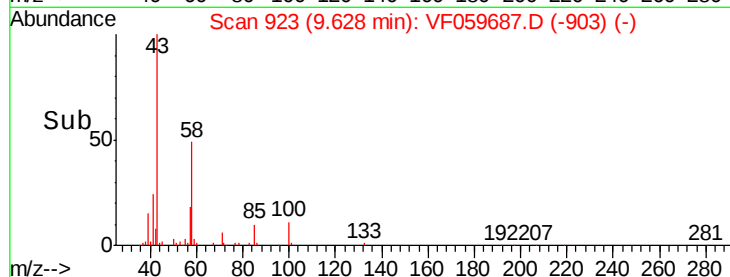
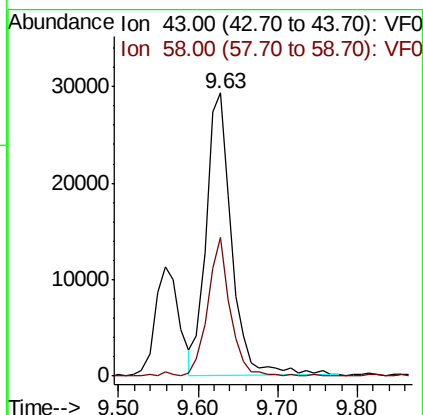
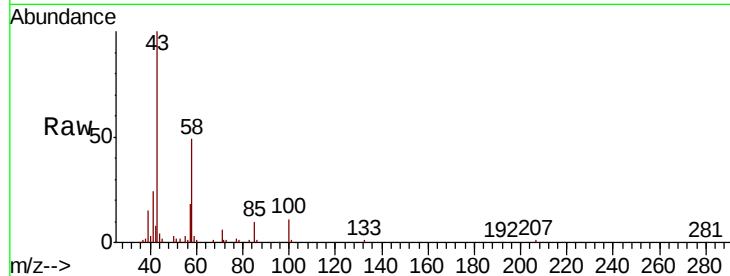




#59
2-Hexanone
Concen: 69.362 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

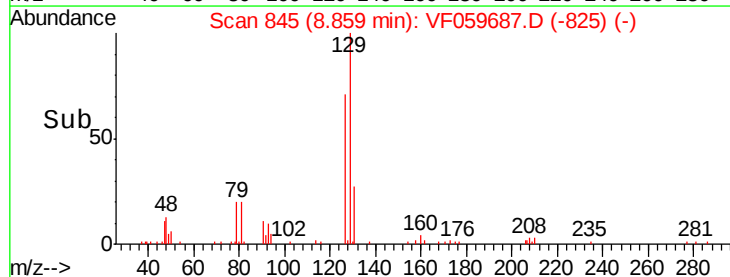
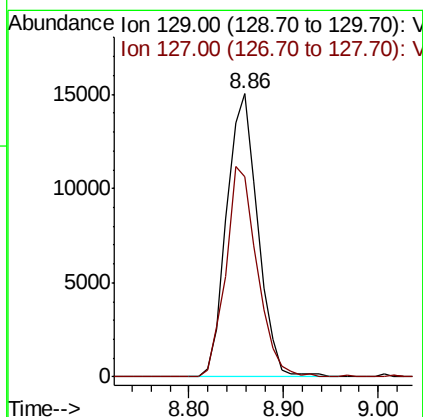
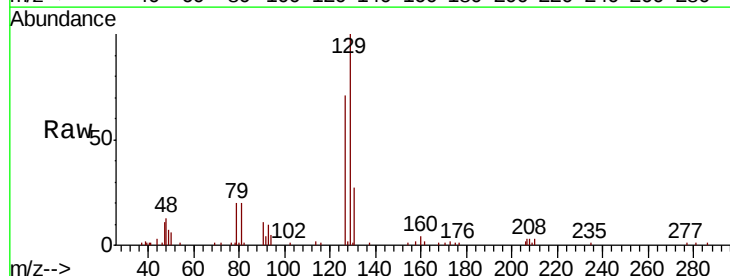
Instrument :
MSVOA_F
ClientSampleId :

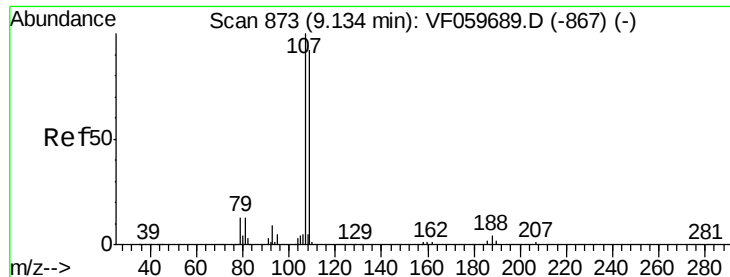
Tot Ion: 43 Resp: 65319
Ion Ratio Lower Upper
43 100
58 49.2 23.3 69.8



#60
Dibromochloromethane
Concen: 12.415 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion: 129 Resp: 34277
Ion Ratio Lower Upper
129 100
127 73.1 37.7 113.1





#61

1,2-Dibromoethane

Concen: 12.175 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

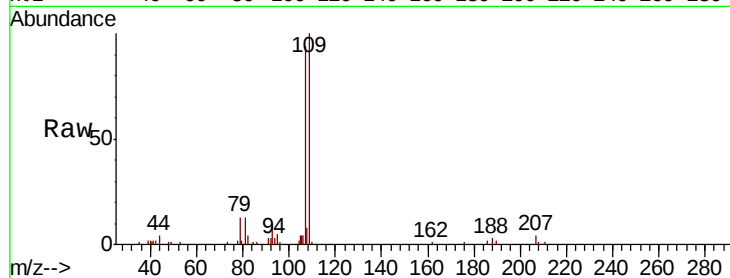
ClientSampleId :

Tot Ion:107 Resp: 22533

Ion Ratio Lower Upper

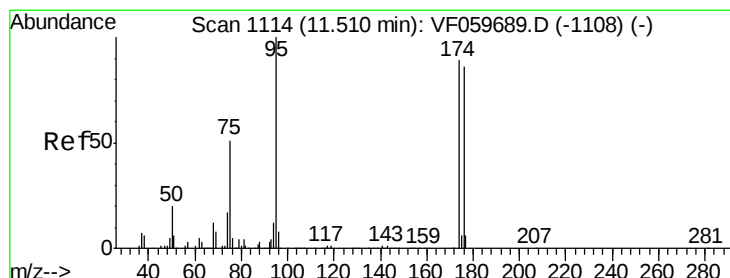
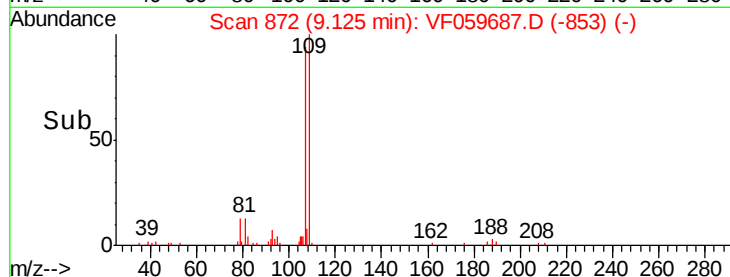
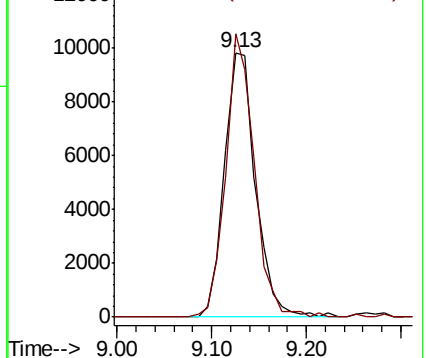
107 100

109 106.9 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 11.228 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

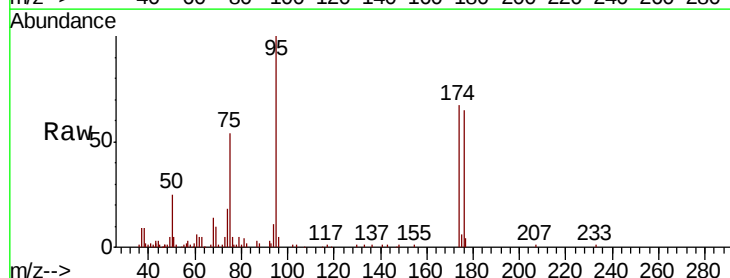
Tgt Ion: 95 Resp: 45269

Ion Ratio Lower Upper

95 100

174 66.8 0.0 178.4

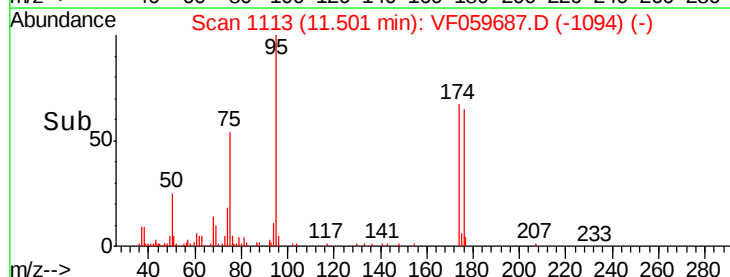
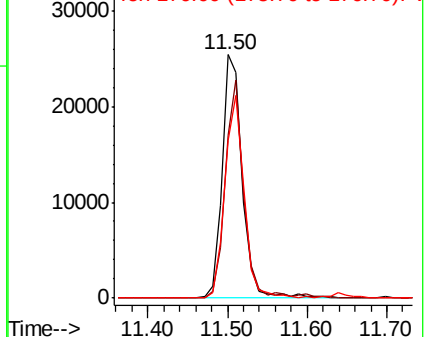
176 65.1 0.0 173.0

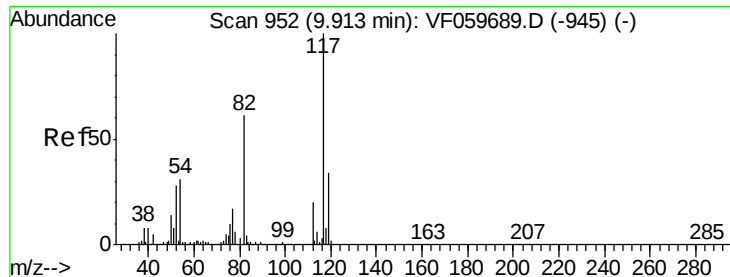


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

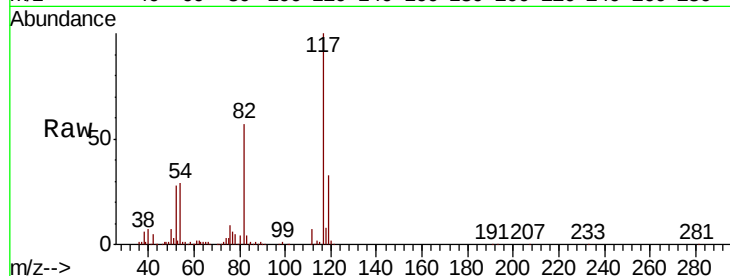




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	49.0	73.4
119	32.6	27.3	40.9

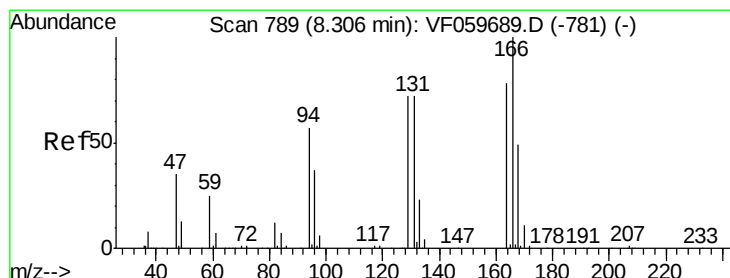
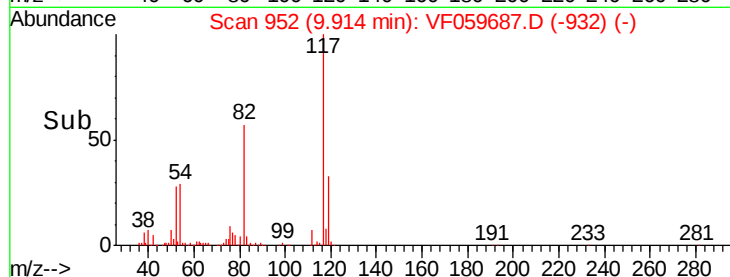
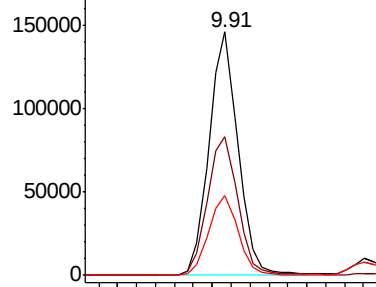


Abundance

Ion 117.00 (116.70 to 117.70): V

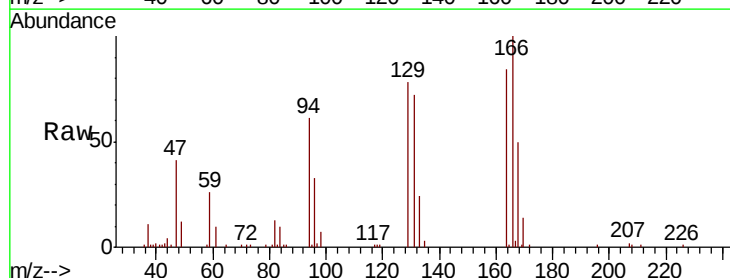
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 10.793 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.3	102.1	153.1
129	92.6	73.8	110.6
131	85.7	73.1	109.7



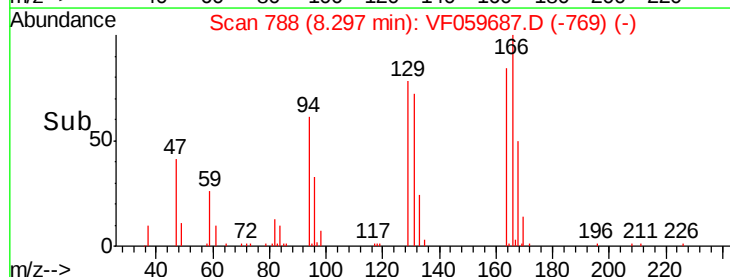
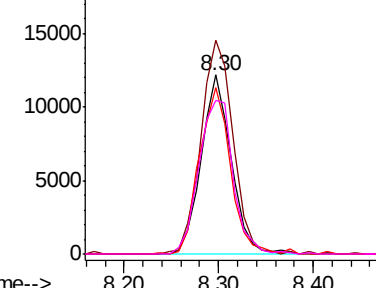
Abundance

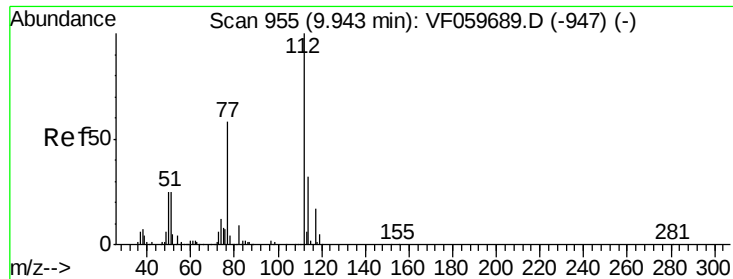
Ion 163.85 (163.55 to 164.55): V

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

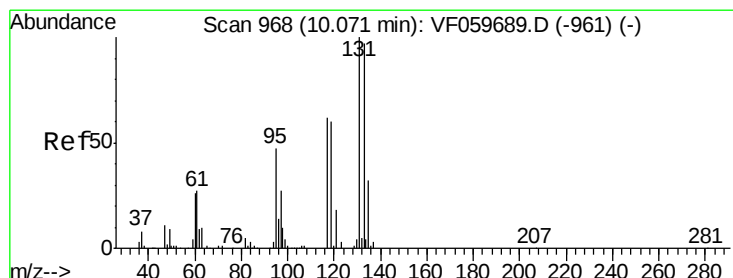
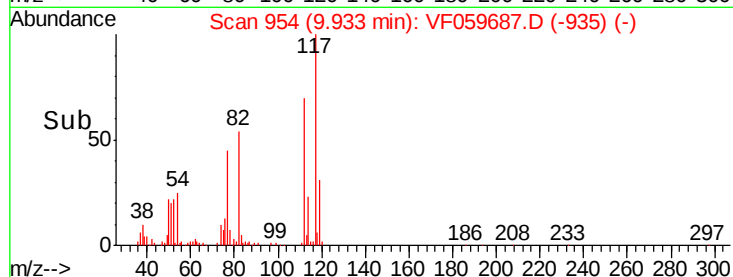
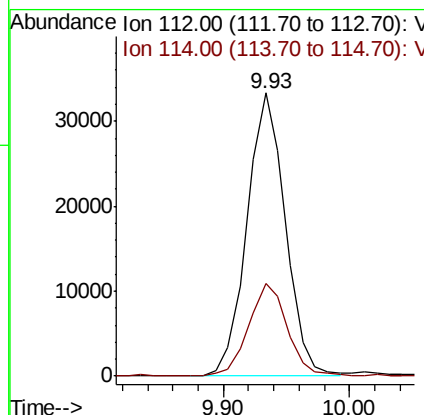
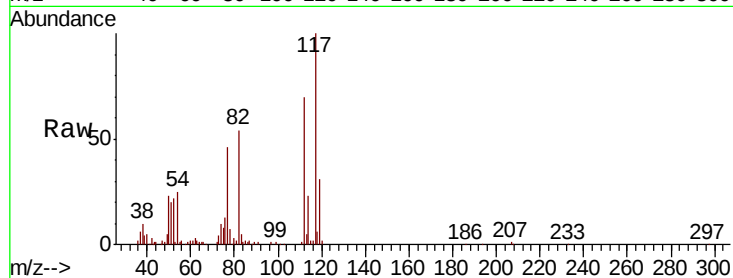




#65
Chlorobenzene
Concen: 11.650 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

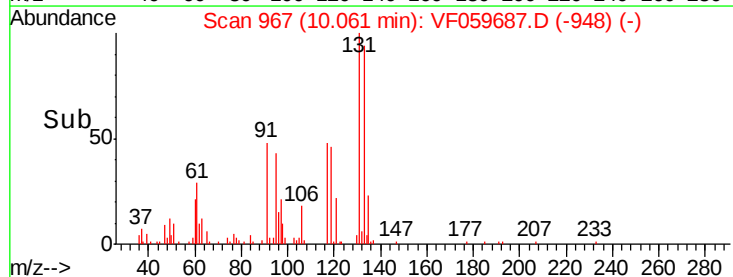
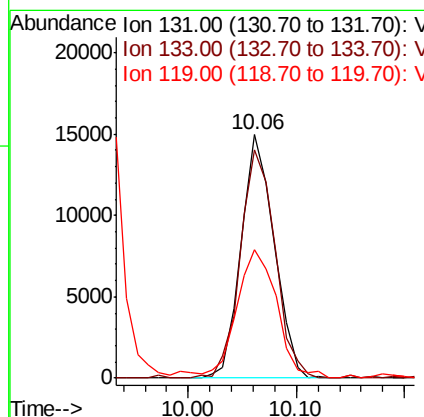
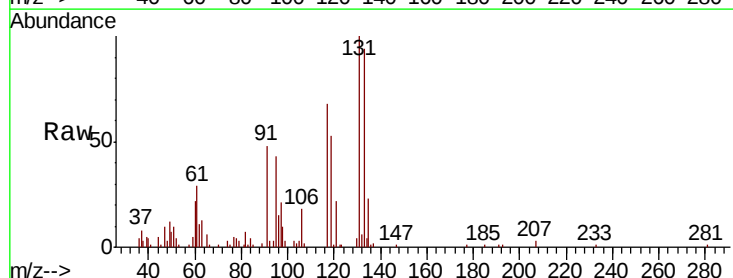
Instrument :
MSVOA_F
ClientSampleId :

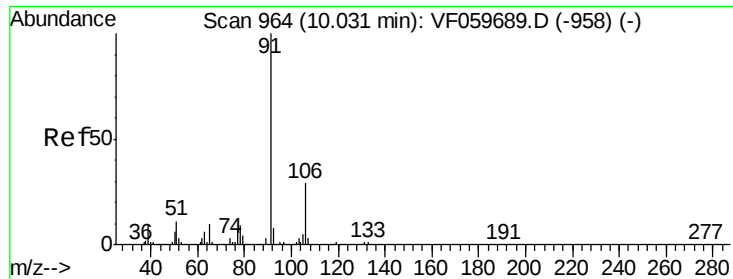
Tot Ion:112 Resp: 70340
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 11.437 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion:131 Resp: 31782
Ion Ratio Lower Upper
131 100
133 94.0 48.5 145.5
119 52.9 30.3 90.8

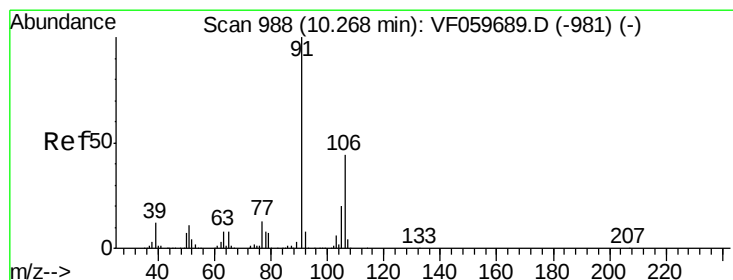
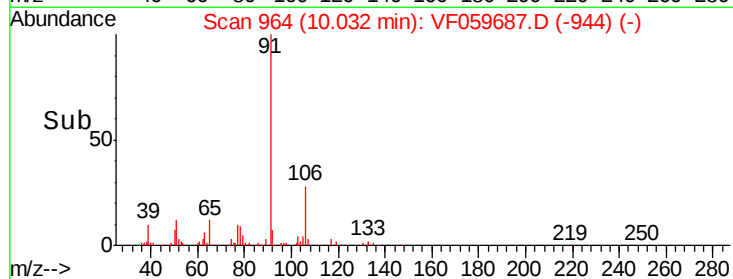
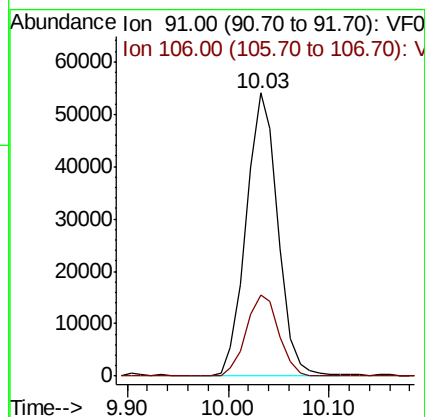
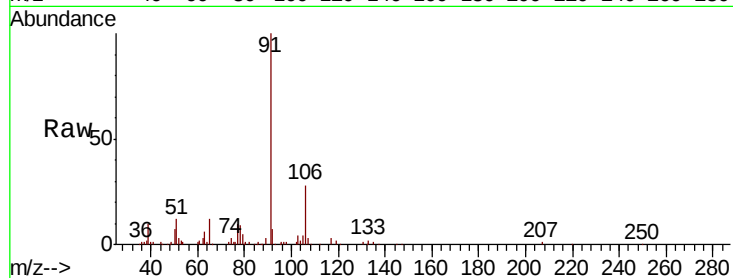




#67
Ethyl Benzene
Concen: 10.857 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

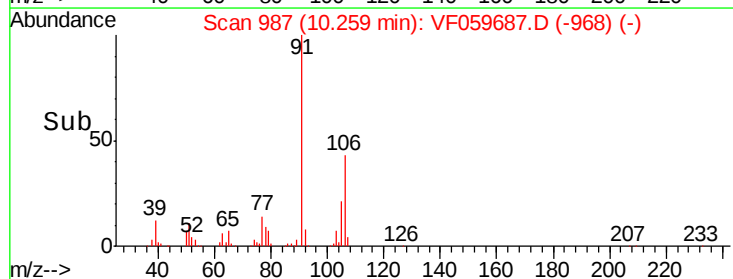
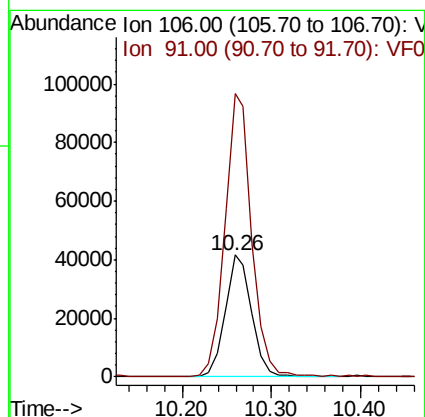
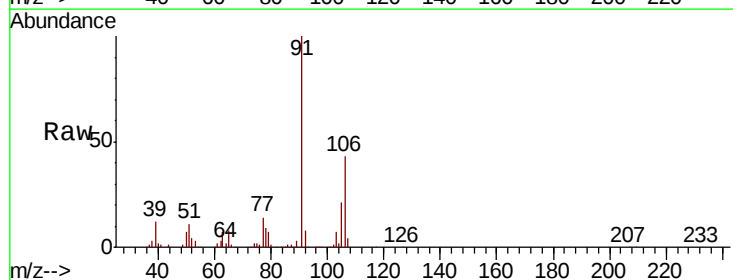
Instrument :
MSVOA_F
ClientSampled :

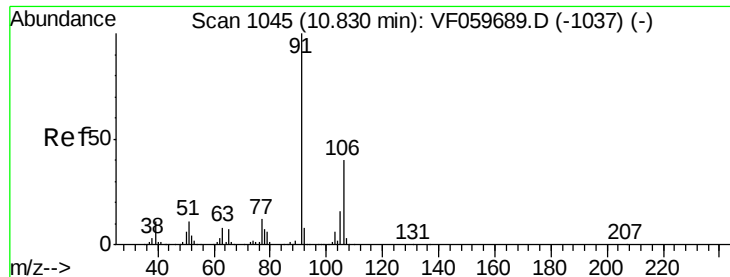
Tot Ion: 91 Resp: 118870
Ion Ratio Lower Upper
91 100
106 28.4 22.9 34.3



#68
m/p-Xylenes
Concen: 22.919 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion:106 Resp: 86846
Ion Ratio Lower Upper
106 100
91 232.2 181.7 272.5

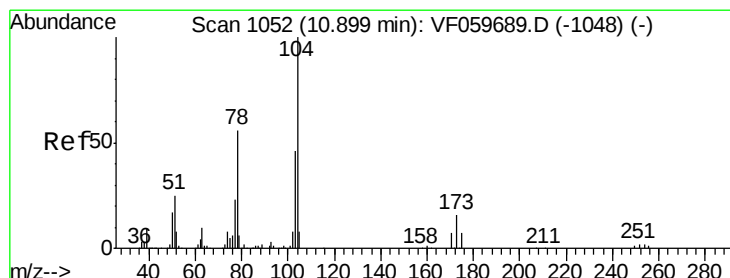
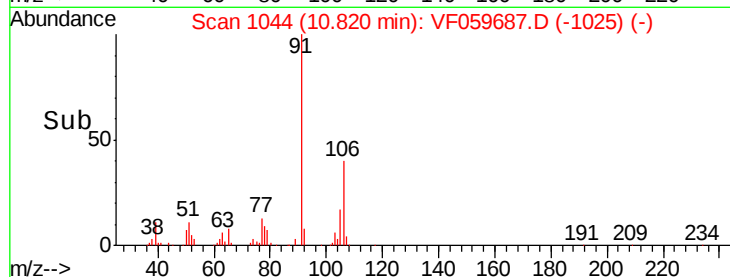
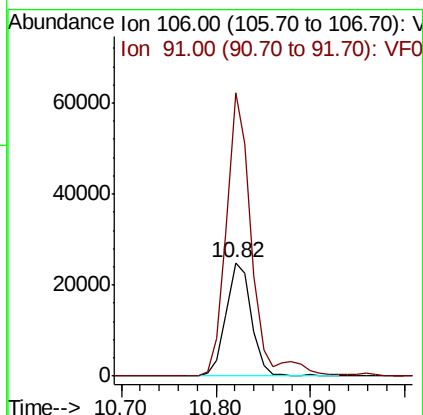
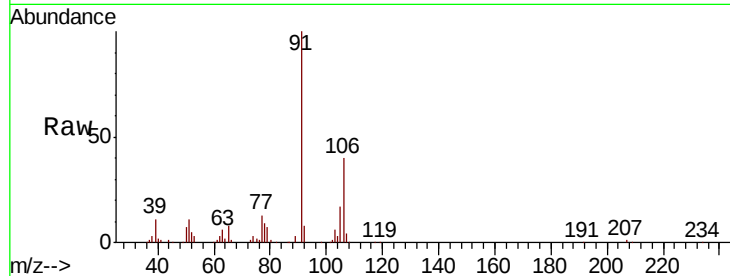




#69
o-Xylene
Concen: 11.379 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

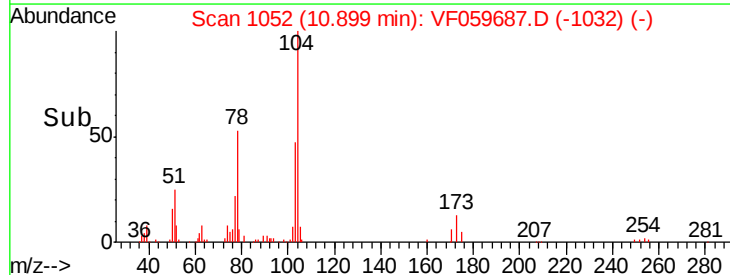
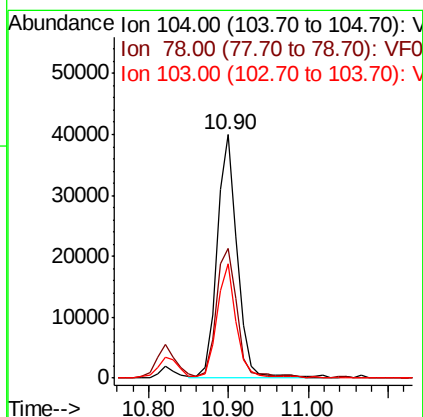
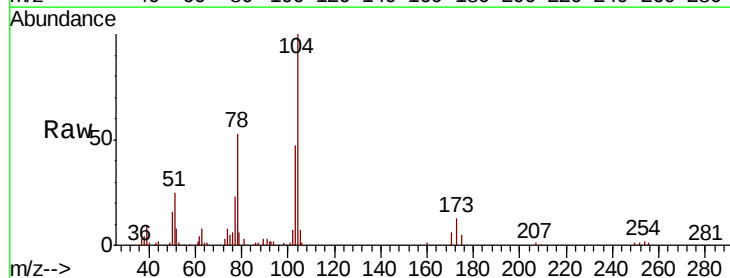
Instrument :
MSVOA_F
ClientSampled :

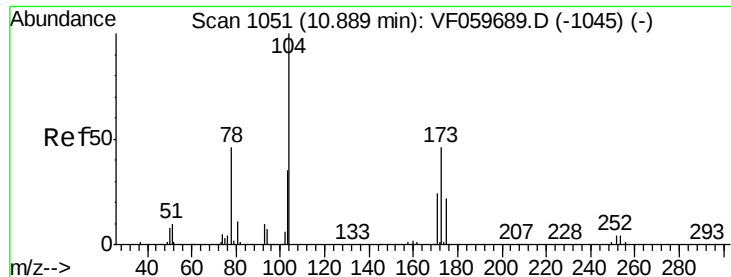
Tot Ion:106 Resp: 46565
Ion Ratio Lower Upper
106 100
91 250.0 124.6 373.7



#70
Styrene
Concen: 11.893 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion:104 Resp: 70777
Ion Ratio Lower Upper
104 100
78 53.1 45.3 67.9
103 47.1 36.6 54.8





#71

Bromoform

Concen: 12.784 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

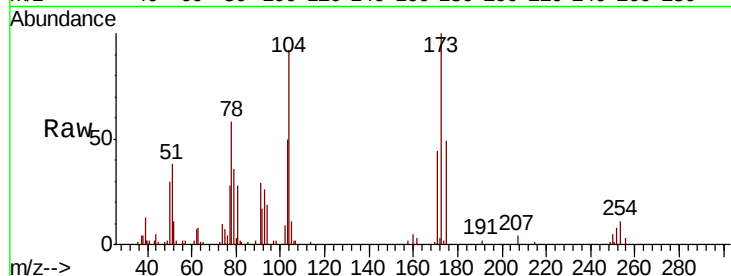
Tot Ion:173 Resp: 21907

Ion Ratio Lower Upper

173 100

175 48.2 23.4 70.0

254 0.0 0.0 0.0

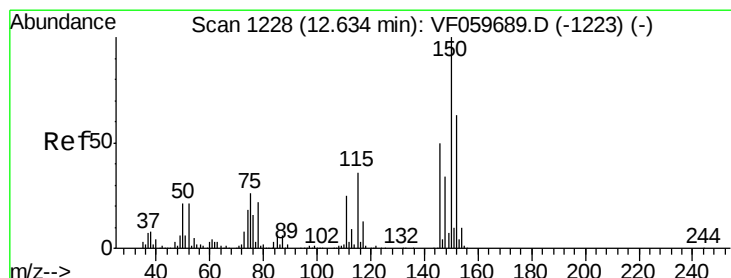
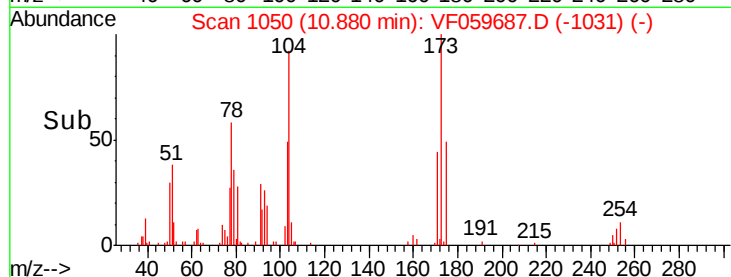
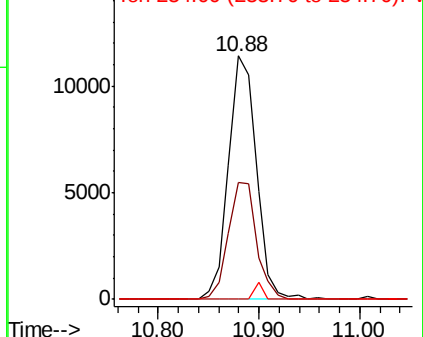


Abundance

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: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

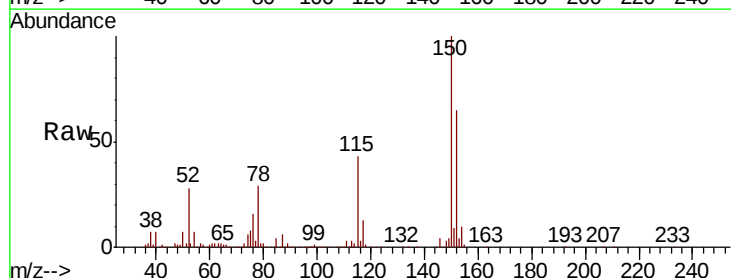
Tgt Ion:152 Resp: 202479

Ion Ratio Lower Upper

152 100

115 66.4 28.2 84.6

150 154.9 0.0 316.2

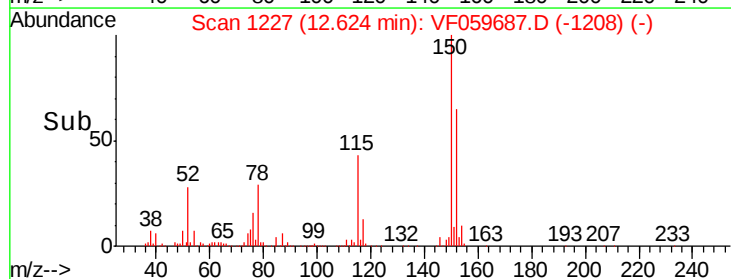
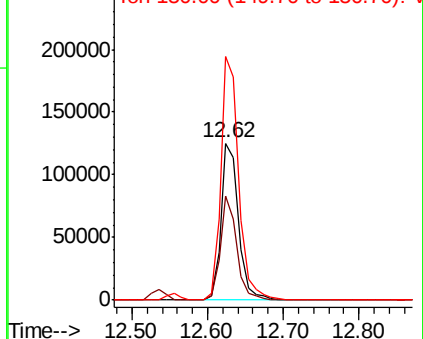


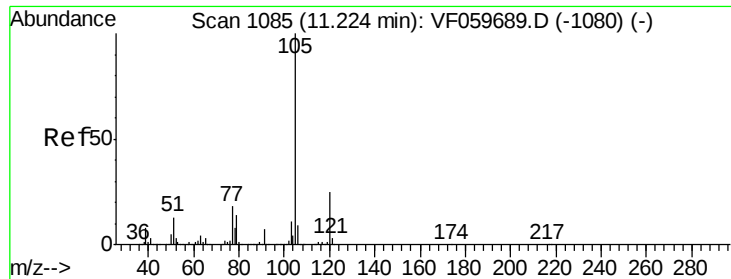
Abundance

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: 11.103 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

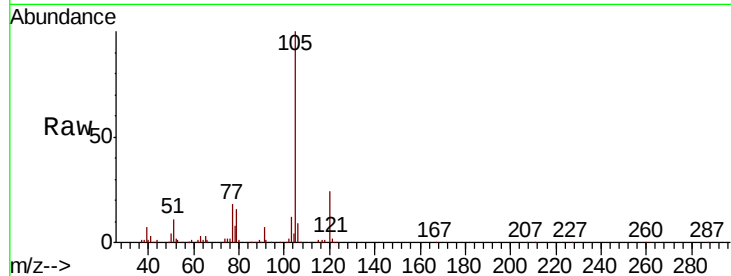
ClientSampleId :

Tot Ion:105 Resp: 153447

Ion Ratio Lower Upper

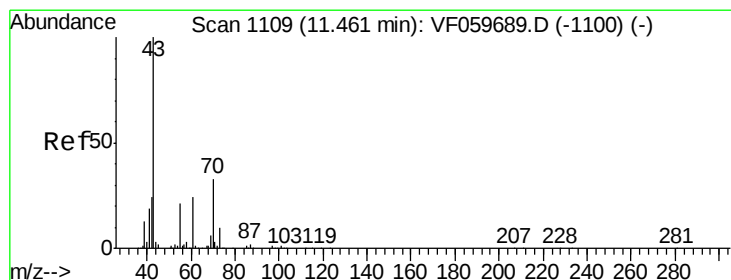
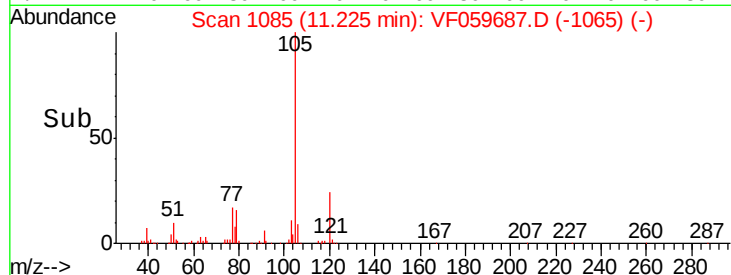
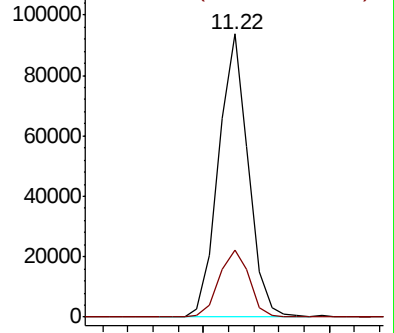
105 100

120 23.8 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 11.679 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion: 43 Resp: 33080

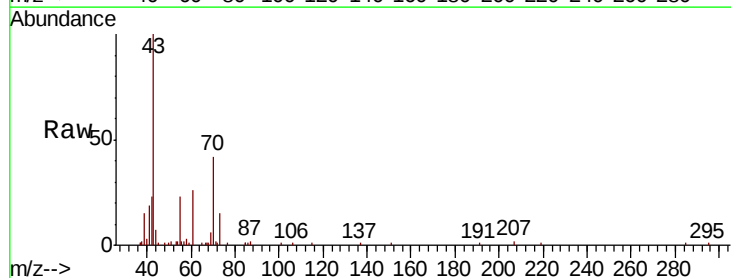
Ion Ratio Lower Upper

43 100

70 42.4 26.3 39.5#

55 23.1 16.6 25.0

61 25.6 19.1 28.7

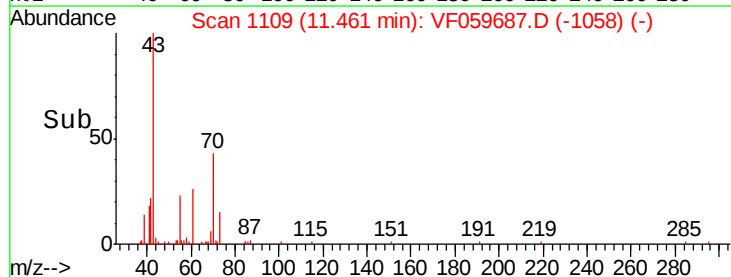
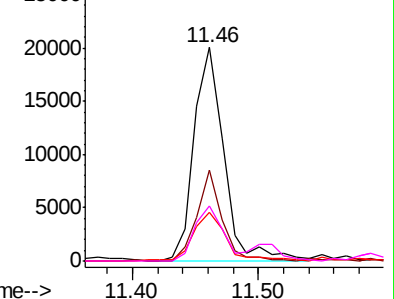


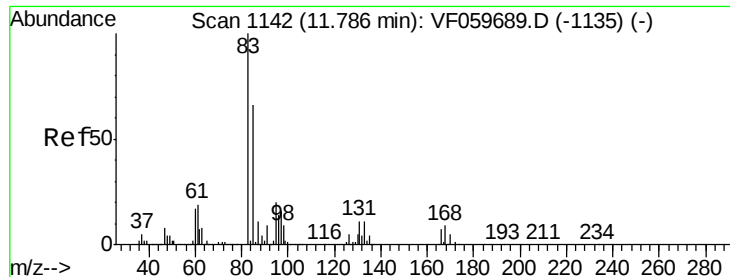
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 12.586 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

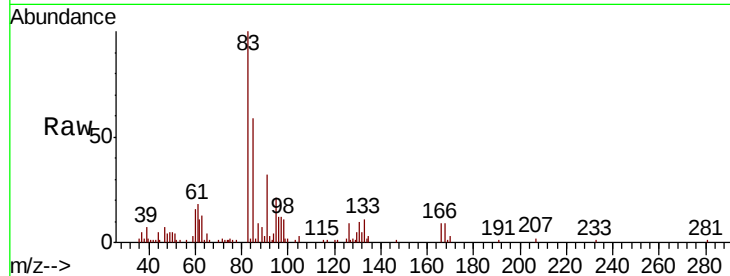
Tot Ion: 83 Resp: 28565

Ion Ratio Lower Upper

83 100

131 9.6 5.8 17.3

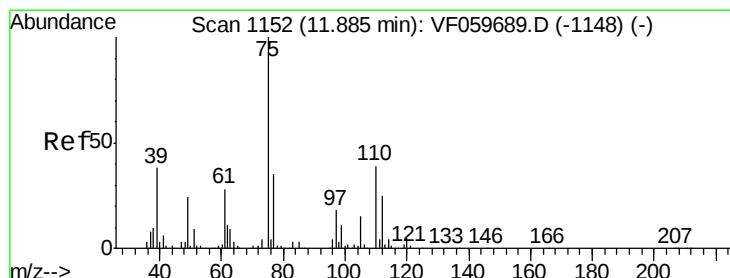
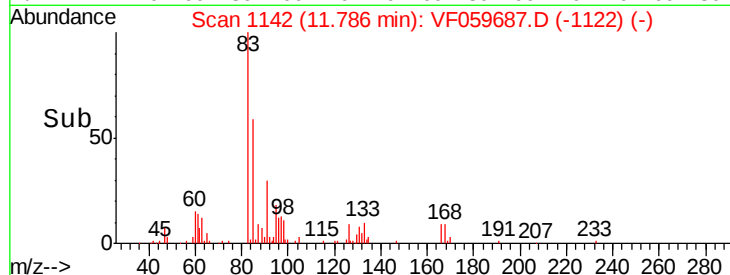
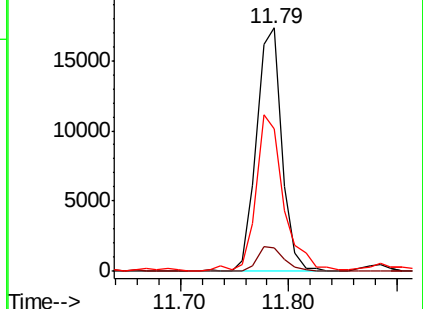
85 58.5 32.8 98.3



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: 12.809 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059687.D

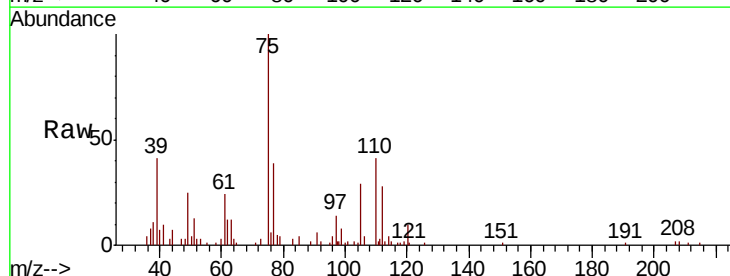
Acq: 30 Jul 2018 14:34

Tgt Ion: 75 Resp: 23875

Ion Ratio Lower Upper

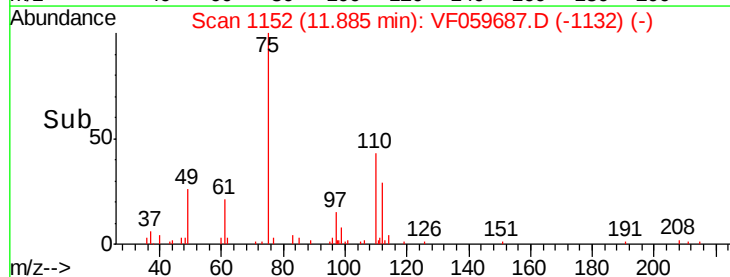
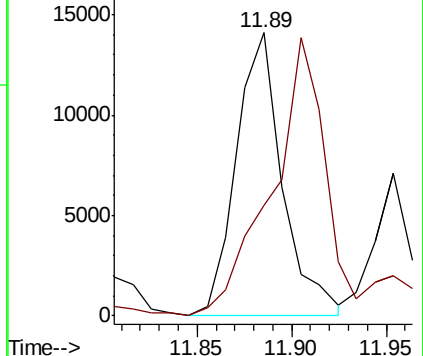
75 100

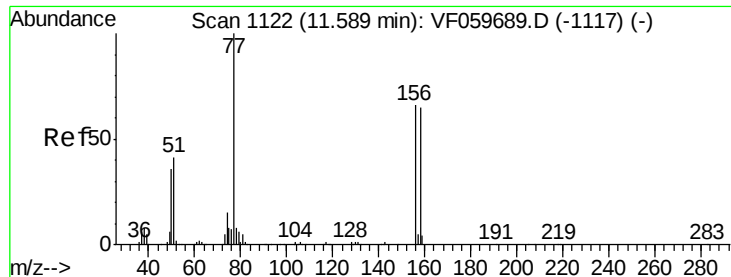
77 38.8 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 11.763 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

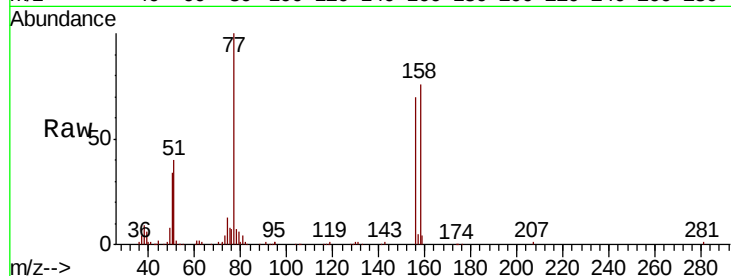
Tot Ion:156 Resp: 39459

Ion Ratio Lower Upper

156 100

77 143.0 75.2 225.6

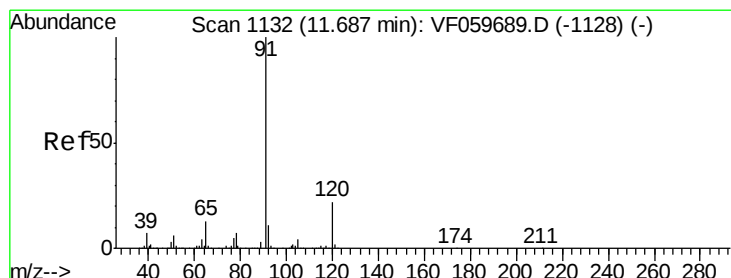
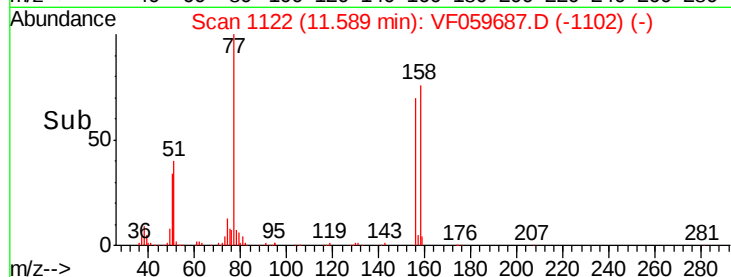
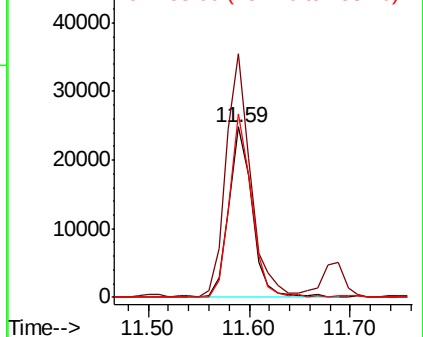
158 108.1 49.1 147.3



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: 10.944 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059687.D

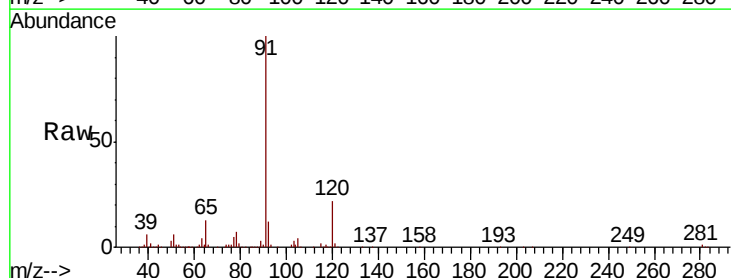
Acq: 30 Jul 2018 14:34

Tgt Ion: 91 Resp: 174261

Ion Ratio Lower Upper

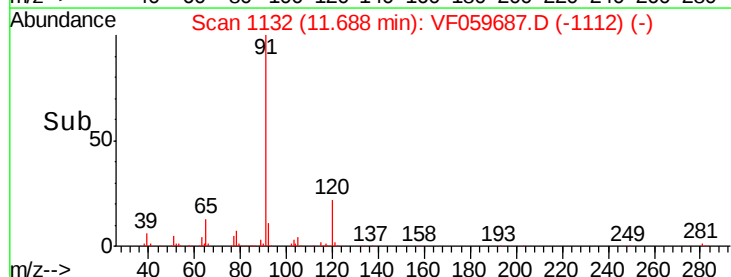
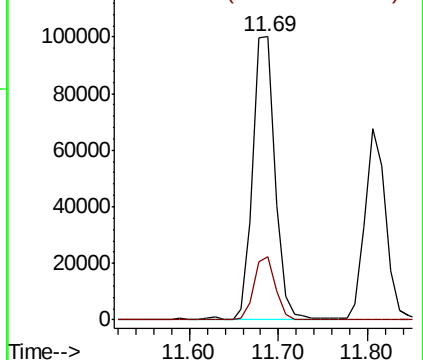
91 100

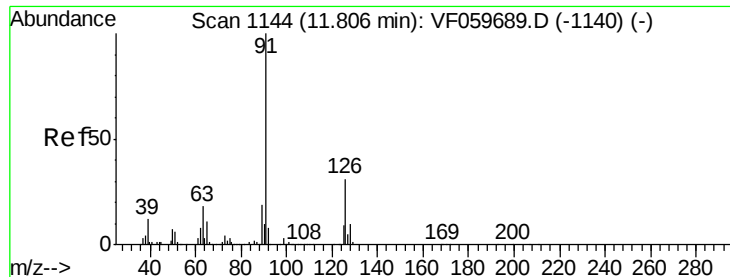
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

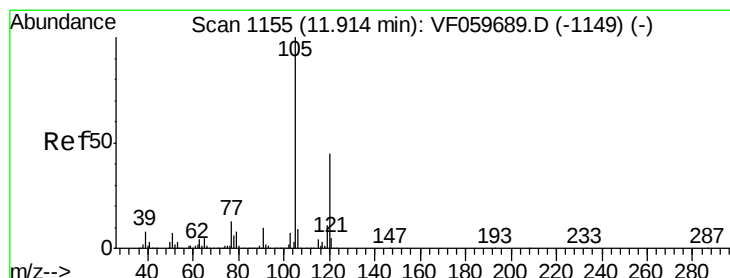
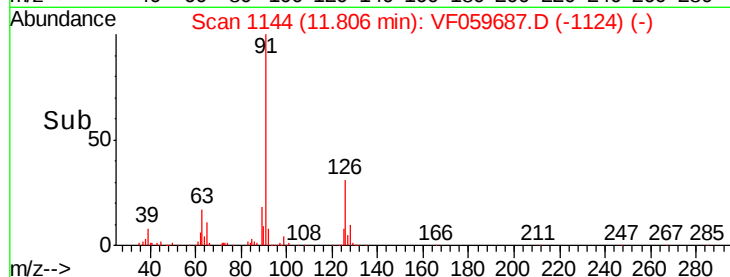
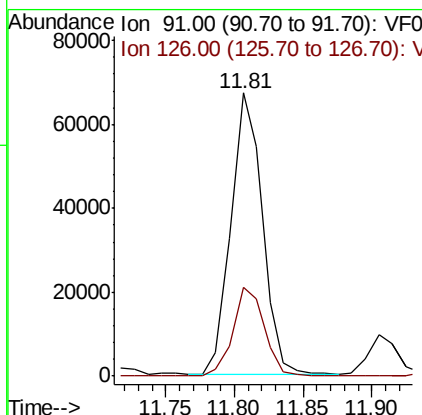
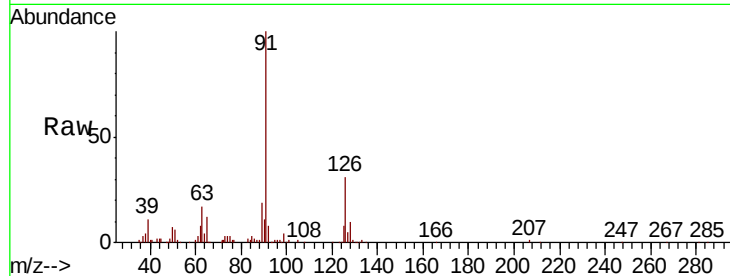




#79
 2-Chlorotoluene
 Concen: 11.032 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

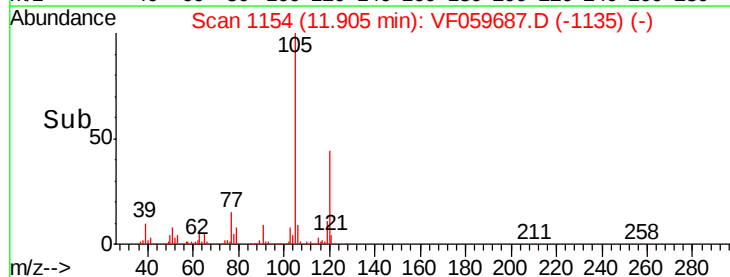
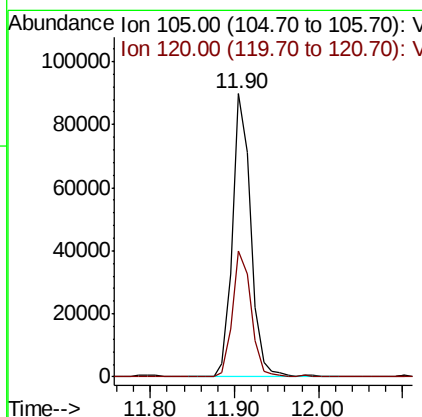
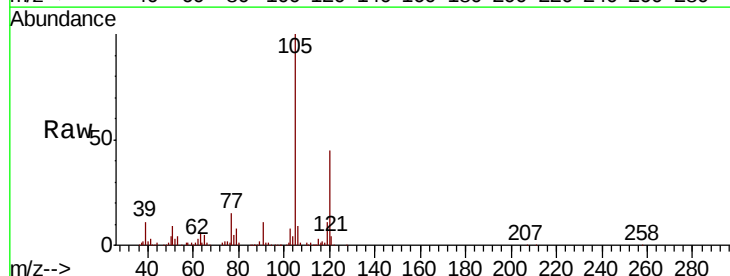
Instrument :
 MSVOA_F
 ClientSampleId :

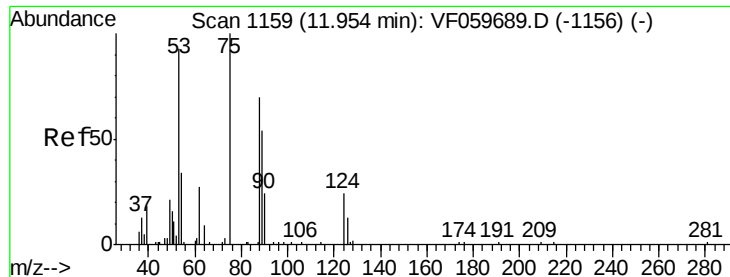
Tot Ion: 91 Resp: 106903
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: 11.176 ug/l
 RT: 11.90 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion:105 Resp: 135572
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.377 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

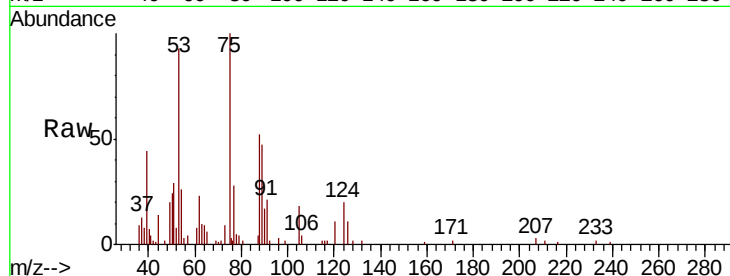
Tot Ion: 75 Resp: 13914

Ion Ratio Lower Upper

75 100

53 92.9 78.3 117.5

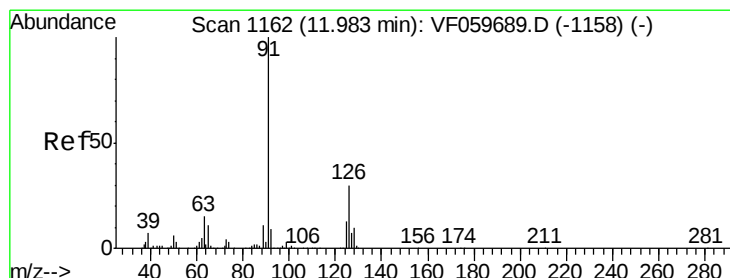
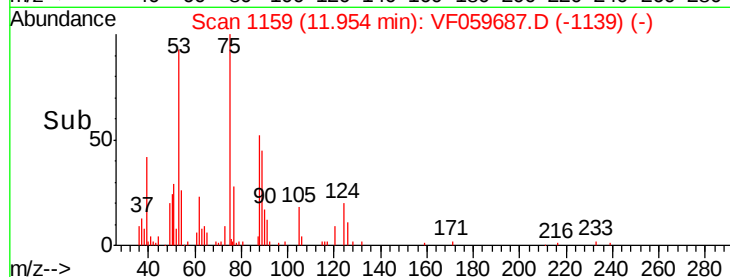
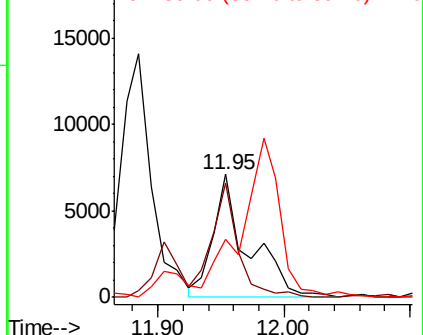
89 47.0 45.4 68.2



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: 11.568 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059687.D

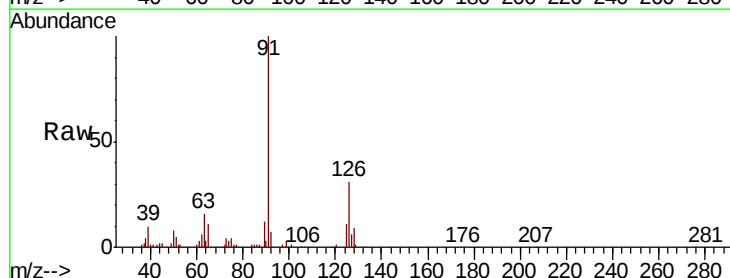
Acq: 30 Jul 2018 14:34

Tgt Ion: 91 Resp: 118114

Ion Ratio Lower Upper

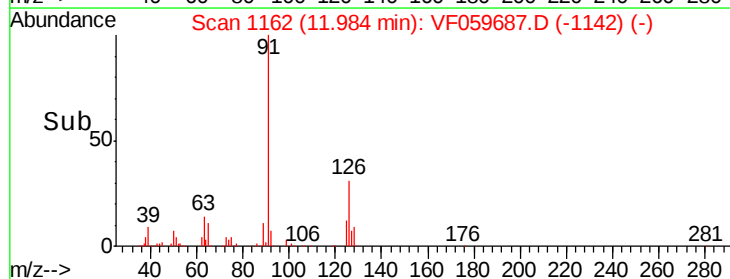
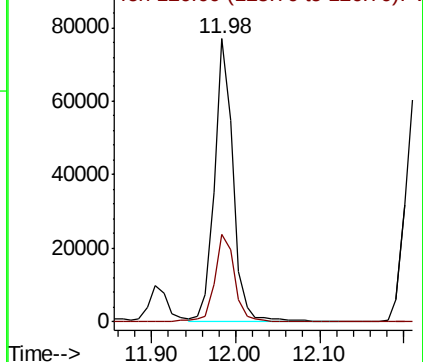
91 100

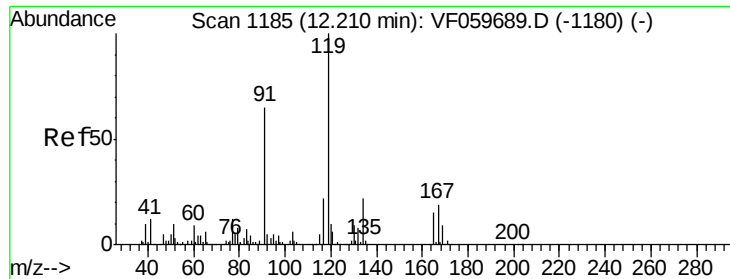
126 30.7 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 11.090 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

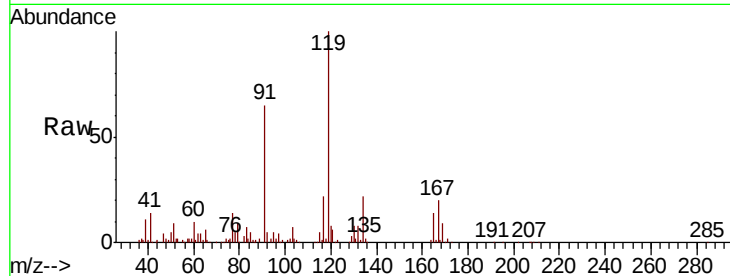
Tot Ion:119 Resp: 135962

Ion Ratio Lower Upper

119 100

91 65.2 32.8 98.4

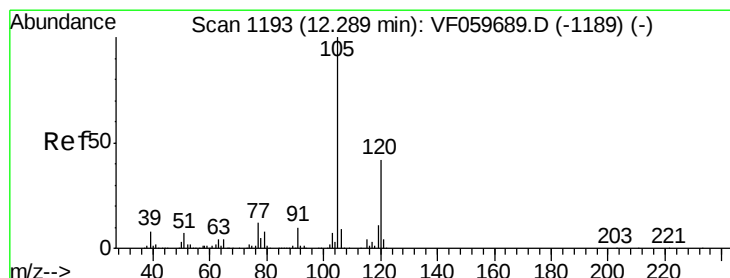
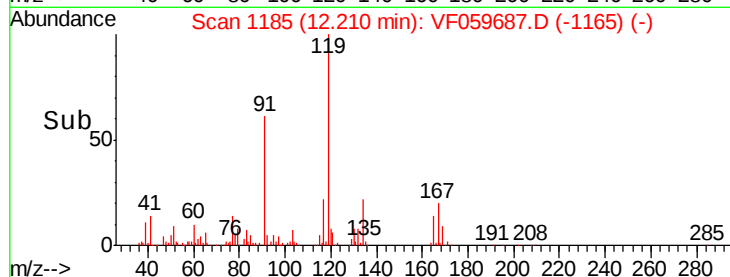
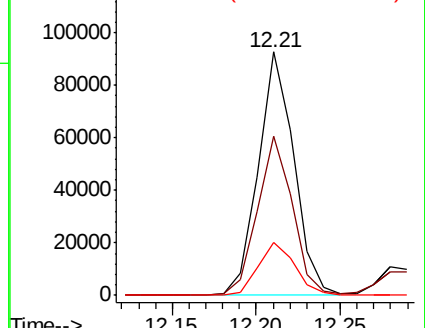
134 22.0 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 11.548 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059687.D

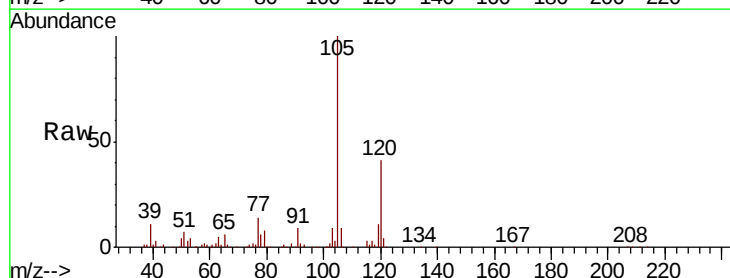
Acq: 30 Jul 2018 14:34

Tgt Ion:105 Resp: 143944

Ion Ratio Lower Upper

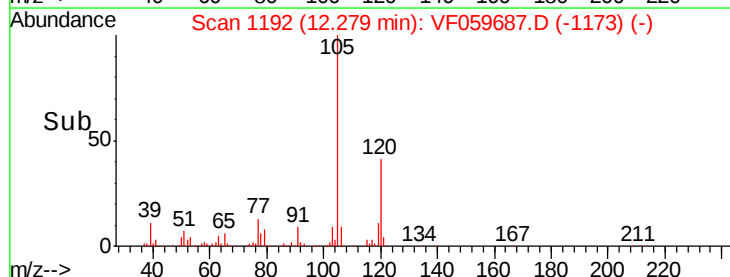
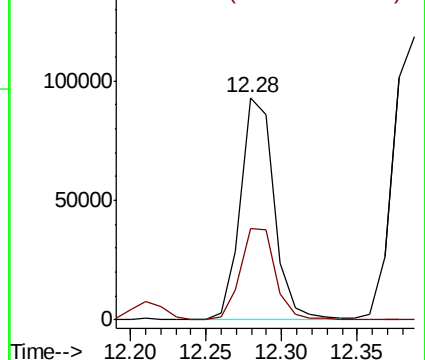
105 100

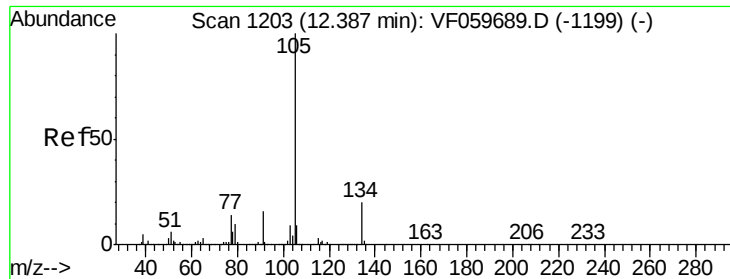
120 41.4 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

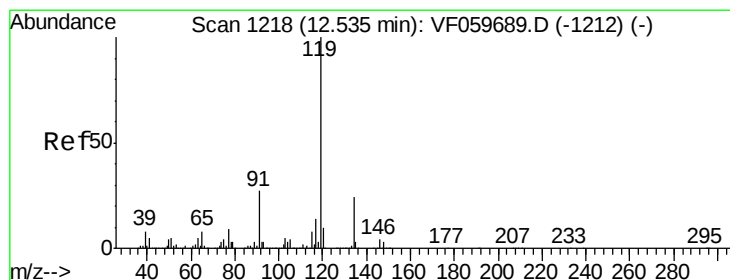
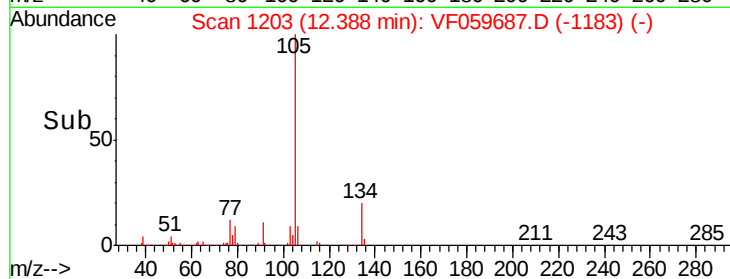
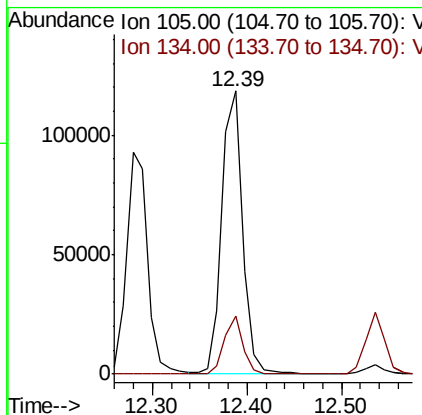
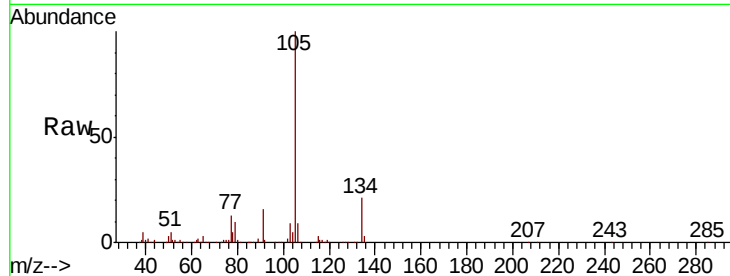




#85
 sec-Butylbenzene
 Concen: 11.235 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

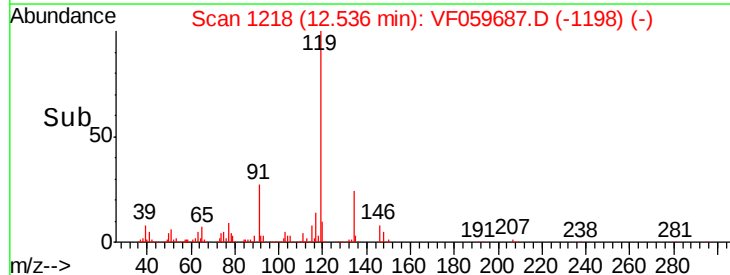
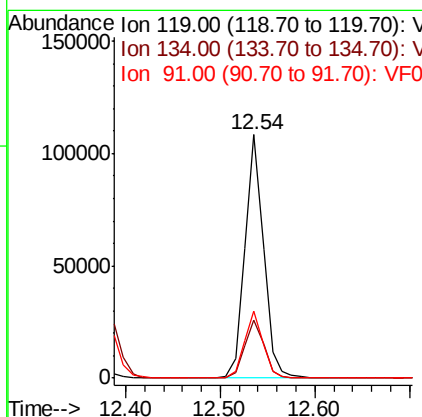
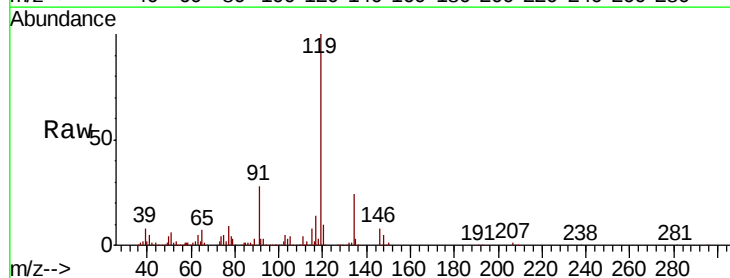
Instrument :
 MSVOA_F
 ClientSampleId :

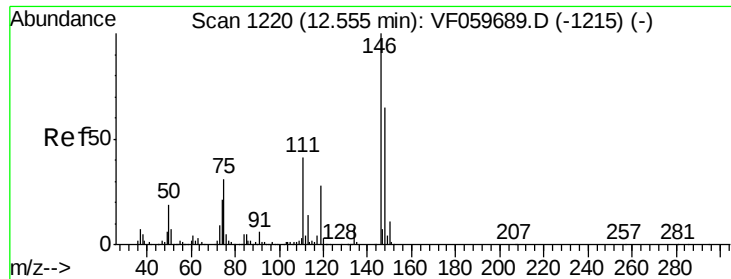
Tot Ion:105 Resp: 181204
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 10.682 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion:119 Resp: 148157
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.2 36.6
 91 27.6 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 11.732 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

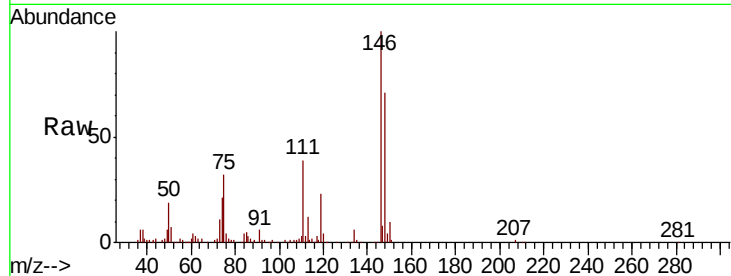
Tot Ion:146 Resp: 76745

Ion Ratio Lower Upper

146 100

111 39.4 20.7 62.1

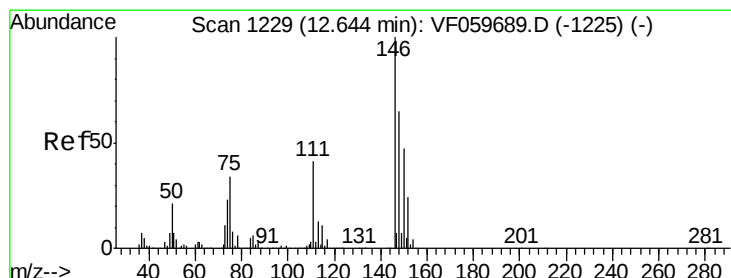
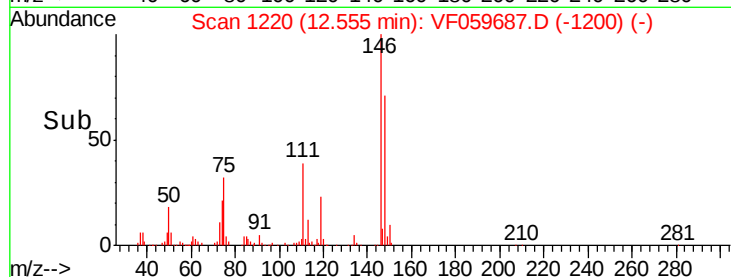
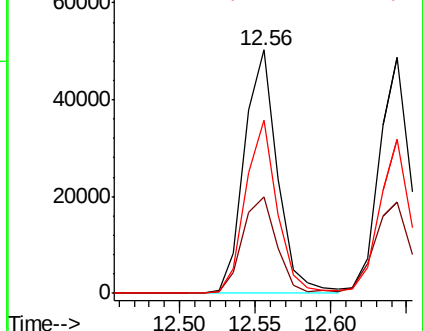
148 71.3 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 11.597 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

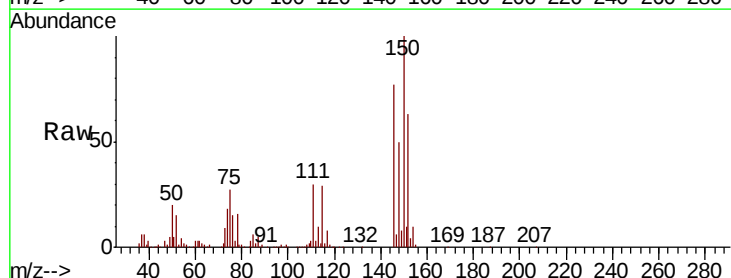
Tgt Ion:146 Resp: 72274

Ion Ratio Lower Upper

146 100

111 38.7 20.8 62.2

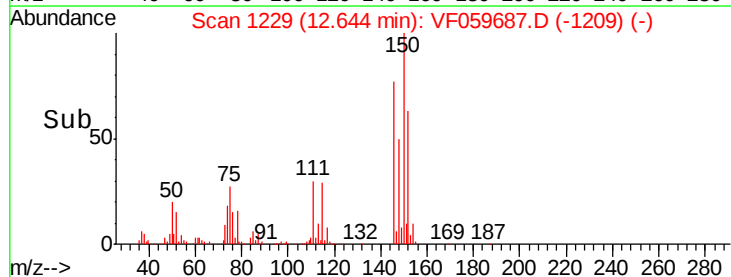
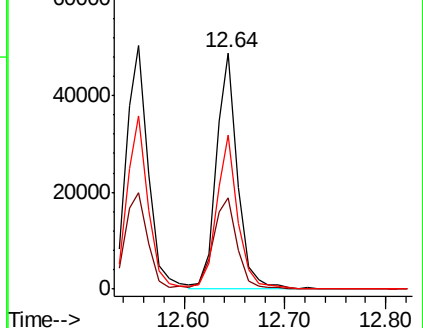
148 64.9 32.3 96.9

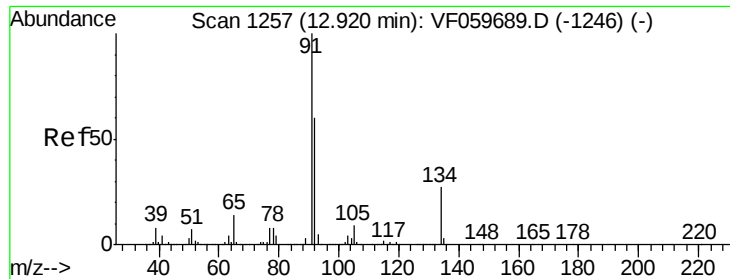


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 10.936 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

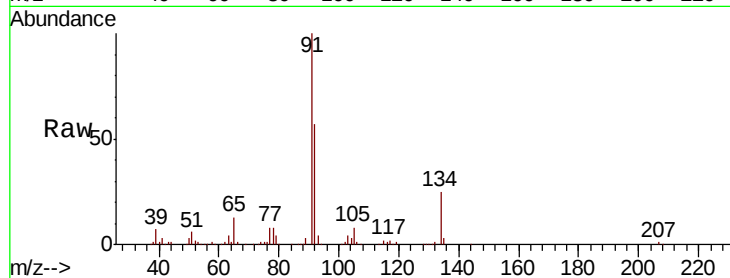
Tot Ion: 91 Resp: 146687

Ion	Ratio	Lower	Upper
91	100		
92	57.2	30.1	90.3
134	24.8	13.7	41.0

91 100

92 57.2 30.1 90.3

134 24.8 13.7 41.0

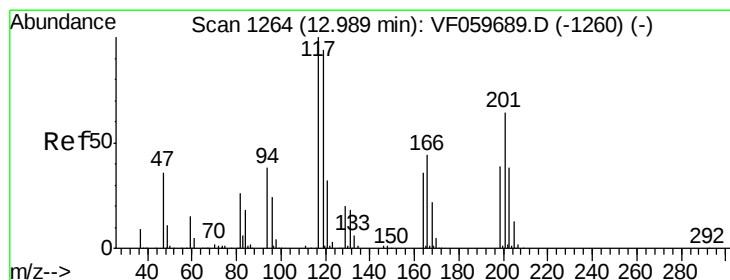
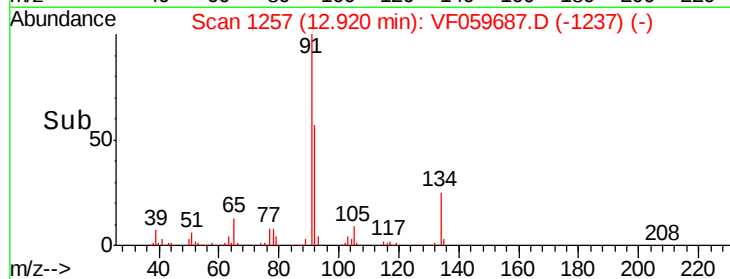
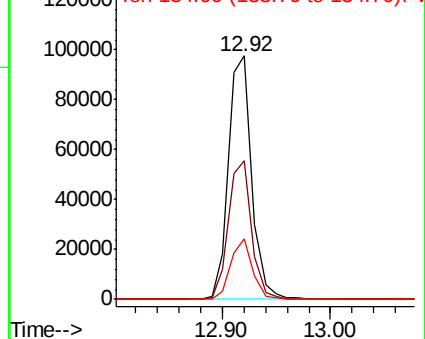


Abundance

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: 11.215 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059687.D

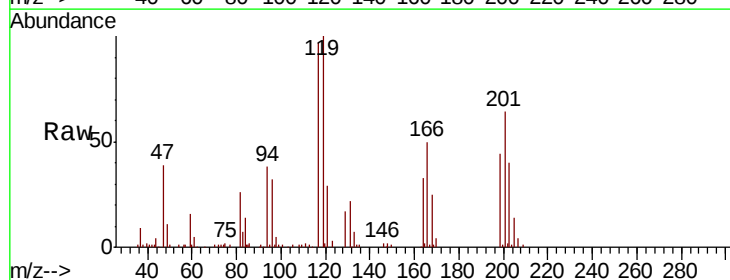
Acq: 30 Jul 2018 14:34

Tgt Ion: 117 Resp: 39594

Ion	Ratio	Lower	Upper
117	100		
201	65.2	31.9	95.5

117 100

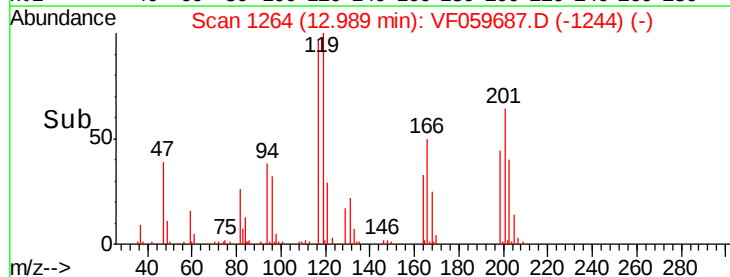
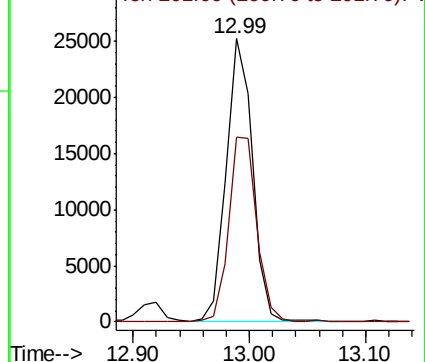
201 65.2 31.9 95.5

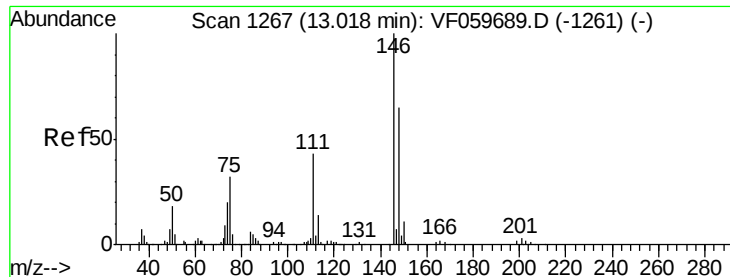


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

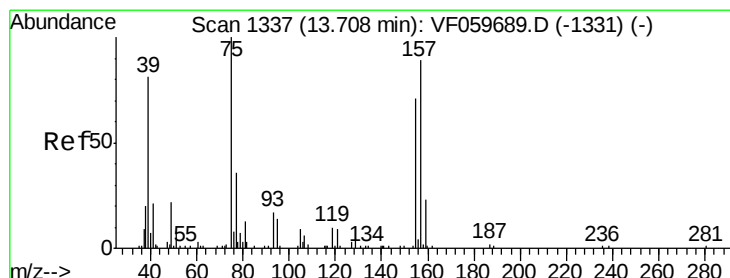
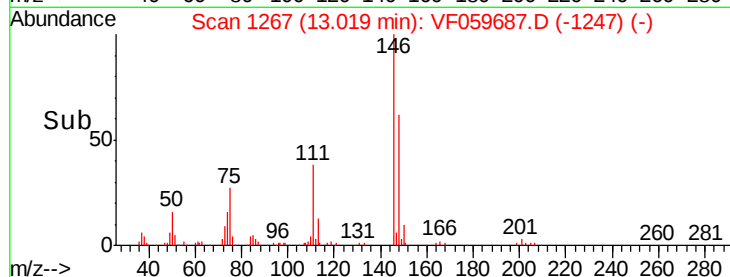
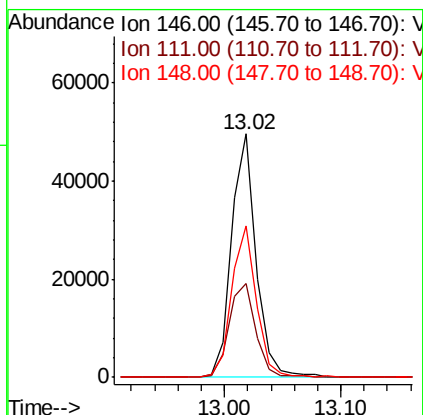
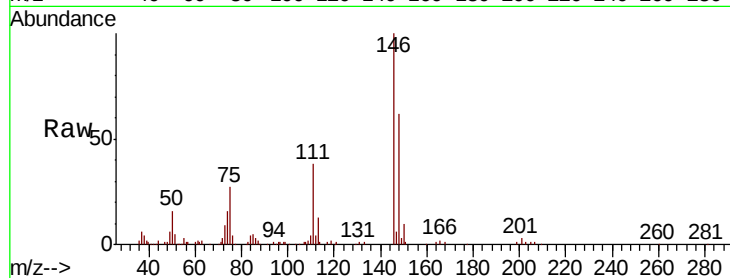




#91
 1,2-Dichlorobenzene
 Concen: 11.900 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

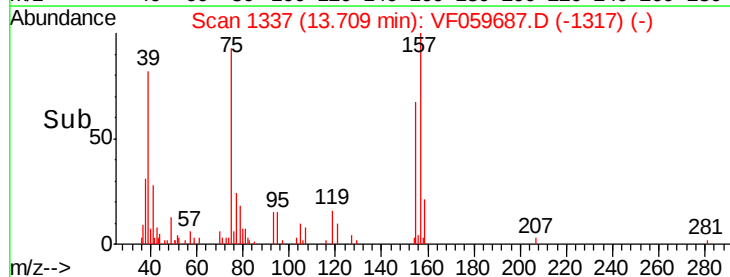
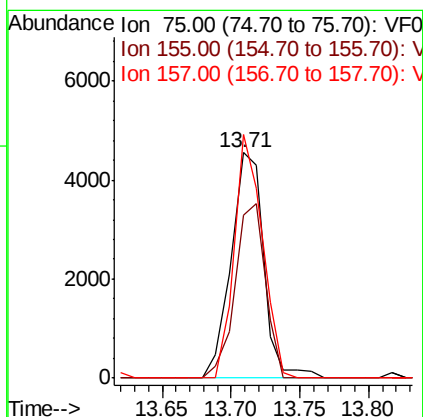
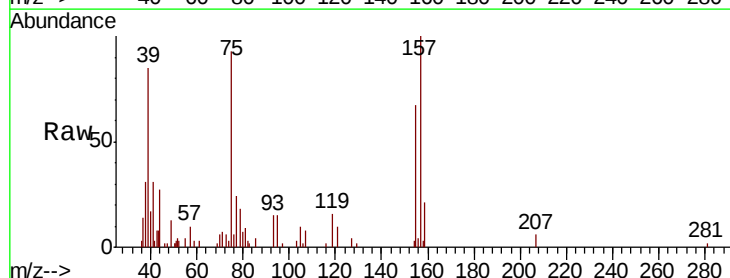
Instrument :
 MSVOA_F
 ClientSampleId :

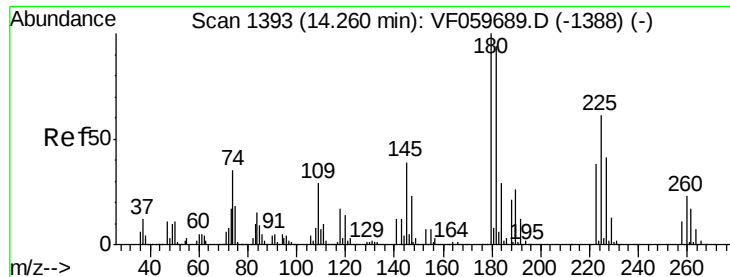
Tot Ion:146 Resp: 72374
 Ion Ratio Lower Upper
 146 100
 111 38.4 21.6 65.0
 148 62.0 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.605 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion: 75 Resp: 7510
 Ion Ratio Lower Upper
 75 100
 155 76.6 35.4 106.2
 157 107.9 44.4 133.2

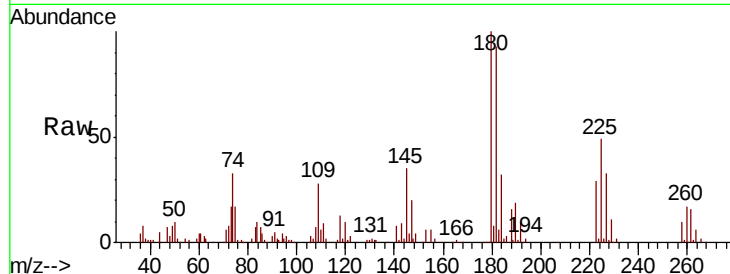




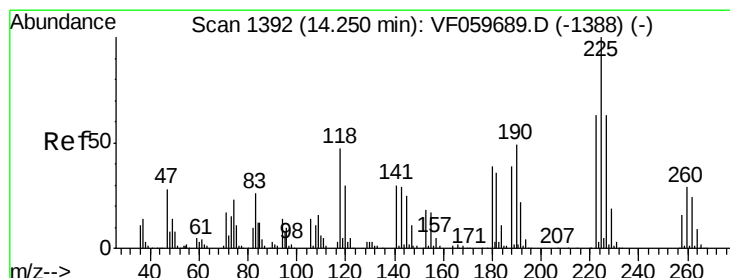
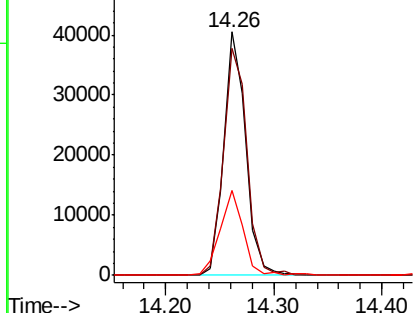
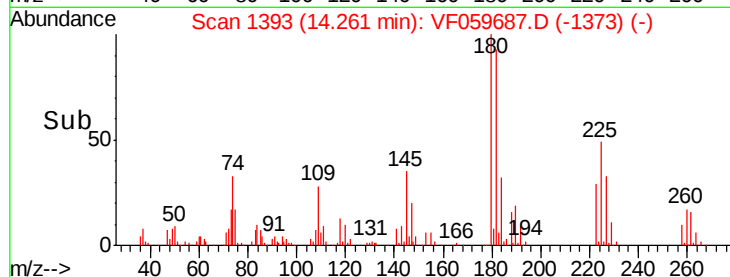
#93
 1,2,4-Trichlorobenzene
 Concen: 11.731 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 57180
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.2 141.6
 145 35.1 19.3 57.9

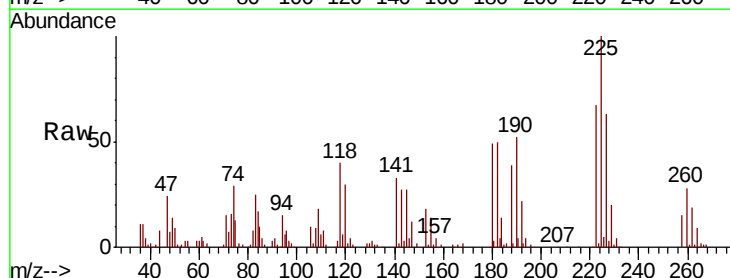


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

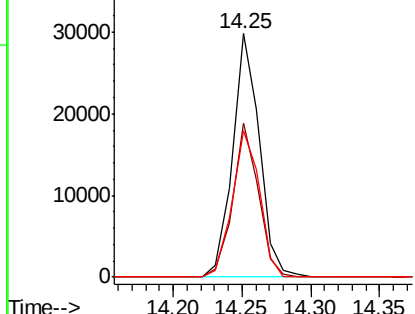
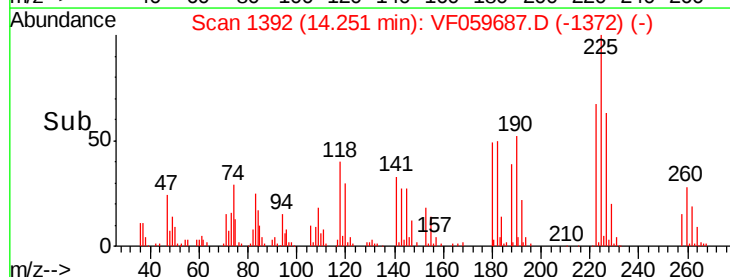


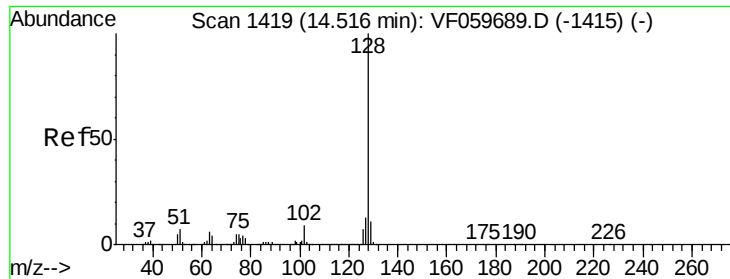
#94
 Hexachlorobutadiene
 Concen: 11.243 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion:225 Resp: 40316
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.2
 227 60.2 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: 11.865 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

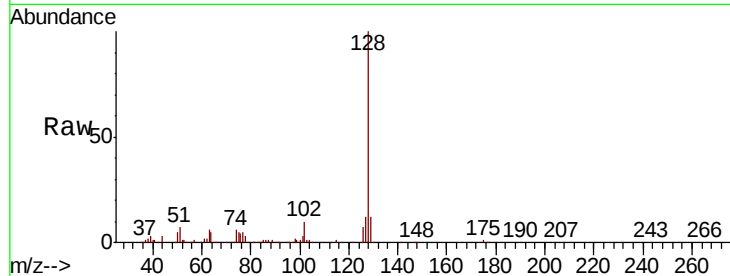
Tot Ion:128 Resp: 92148

Ion Ratio Lower Upper

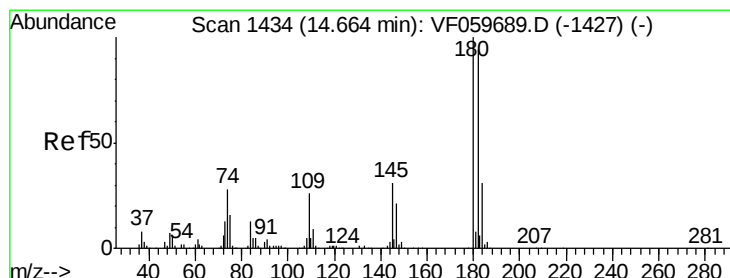
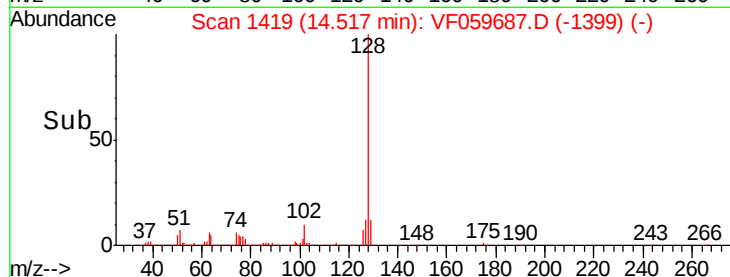
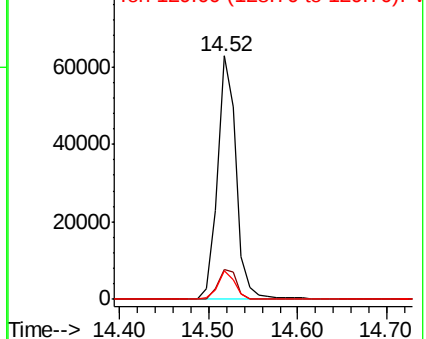
128 100

127 12.5 10.0 15.0

129 11.6 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 11.986 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

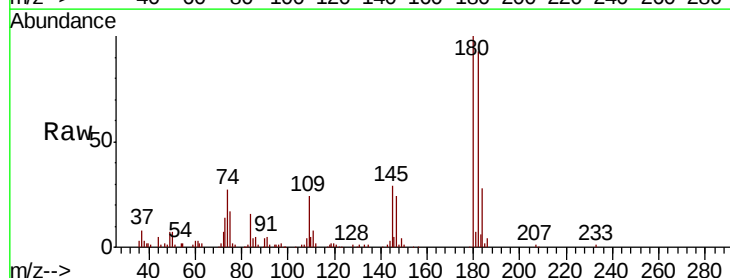
Tgt Ion:180 Resp: 53105

Ion Ratio Lower Upper

180 100

182 93.1 47.2 141.6

145 29.3 15.6 46.7



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

