

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059722.D
 Acq On : 31 Jul 2018 21:12
 Operator : VA/AP
 Sample : VF0731SBS02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:34:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	162160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	226356	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	227940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	152476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	167100	57.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.68%	
35) Dibromofluoromethane	4.29	113	124362	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	7.71	98	259457	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.50	95	156024	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	57143	28.972	ug/l	98
3) Chloromethane	1.09	50	23262	21.941	ug/l	99
4) Vinyl Chloride	1.15	62	24915	22.786	ug/l	98
5) Bromomethane	1.33	94	22868	25.662	ug/l	93
6) Chloroethane	1.41	64	19155	29.546	ug/l	88
7) Trichlorofluoromethane	1.54	101	47954	15.835	ug/l	99
8) Diethyl Ether	1.71	74	11035	21.311	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39667	25.010	ug/l #	79
10) Methyl Iodide	1.95	142	62399	26.130	ug/l	96
11) Tert butyl alcohol	2.70	59	14103	119.254	ug/l	99
12) 1,1-Dichloroethene	1.84	96	31131	24.790	ug/l	98
13) Acrolein	2.08	56	3866	74.840	ug/l #	49
14) Allyl chloride	2.19	41	48480	24.179	ug/l	98
15) Acrylonitrile	3.07	53	21966	116.687	ug/l #	80
16) Acetone	2.34	43	49612	94.642	ug/l	97
17) Carbon Disulfide	1.89	76	50832	16.037	ug/l	97
18) Methyl Acetate	2.45	43	28292	33.093	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	86248	22.521	ug/l	99
20) Methylene Chloride	2.28	84	30107	22.422	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	29410	25.504	ug/l	90
22) Diisopropyl ether	2.93	45	95991	22.639	ug/l	94
23) Vinyl Acetate	3.33	43	221541	101.629	ug/l	98
24) 1,1-Dichloroethane	3.00	63	73021	24.788	ug/l	96
25) 2-Butanone	4.51	43	57178	97.738	ug/l #	87
26) 2,2-Dichloropropane	3.76	77	51934	24.731	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	34009	21.559	ug/l	95
28) Bromochloromethane	3.88	49	26656	23.560	ug/l	87
29) Tetrahydrofuran	4.26	42	23244	103.378	ug/l	99
30) Chloroform	4.03	83	97117	23.359	ug/l	98
31) Cyclohexane	3.85	56	33714	21.243	ug/l	85
32) 1,1,1-Trichloroethane	4.27	97	83597	25.923	ug/l	97
36) 1,1-Dichloropropene	4.46	75	57398	22.906	ug/l	94
37) Ethyl Acetate	4.29	43	26741	20.982	ug/l	87
38) Carbon Tetrachloride	4.16	117	97730	27.155	ug/l	91

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 MSVOA_F
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Quant Time: Aug 01 07:34:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	43000	22.198	ug/l	90
40) Benzene	4.80	78	99068	21.672	ug/l	95
41) Methacrylonitrile	4.92	41	12874	20.962	ug/l #	84
42) 1,2-Dichloroethane	5.12	62	79808	24.947	ug/l	99
43) Isopropyl Acetate	7.12	43	24850	18.360	ug/l #	94
44) Trichloroethene	5.67	130	39954	23.244	ug/l	94
45) 1,2-Dichloropropane	6.41	63	27156	22.495	ug/l	100
46) Dibromomethane	6.25	93	27919	24.360	ug/l	93
47) Bromodichloromethane	6.55	83	76212	24.418	ug/l	100
48) Methyl methacrylate	6.87	41	18160	17.838	ug/l	95
49) 1,4-Dioxane	6.86	88	2844	410.236	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	112514	109.278	ug/l	96
52) Toluene	7.78	92	73465	22.700	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	60743	22.429	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	56008	21.351	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	26833	21.674	ug/l	95
56) Ethyl methacrylate	8.75	69	24822	19.225	ug/l	98
57) 1,3-Dichloropropane	9.00	76	46915	22.089	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	17550	117.731	ug/l	100
59) 2-Hexanone	9.63	43	74653	90.480	ug/l	88
60) Dibromochloromethane	8.86	129	50406	23.074	ug/l	99
61) 1,2-Dibromoethane	9.14	107	32817	22.701	ug/l	89
64) Tetrachloroethene	8.30	164	43530	26.185	ug/l	97
65) Chlorobenzene	9.94	112	99786	21.884	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	50419	23.684	ug/l	98
67) Ethyl Benzene	10.04	91	179741	22.783	ug/l	98
68) m/p-Xylenes	10.26	106	129063	48.285	ug/l	93
69) o-Xylene	10.82	106	67444	23.201	ug/l	99
70) Styrene	10.90	104	100667	22.859	ug/l	99
71) Bromoform	10.88	173	33429	24.099	ug/l	94
73) Isopropylbenzene	11.23	105	215083	21.498	ug/l	100
74) N-amyl acetate	11.46	43	47696	18.896	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	40968	21.754	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	34394	21.477	ug/l	93
77) Bromobenzene	11.59	156	56128	21.484	ug/l	93
78) n-propylbenzene	11.68	91	257269	22.313	ug/l	97
79) 2-Chlorotoluene	11.81	91	162681	22.819	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	217790	25.010	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.96	75	20099	30.306	ug/l	90
82) 4-Chlorotoluene	11.99	91	175763	23.356	ug/l	97
83) tert-Butylbenzene	12.21	119	209071	23.279	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	211819	23.944	ug/l	99
85) sec-Butylbenzene	12.38	105	260728	22.556	ug/l	94
86) p-Isopropyltoluene	12.54	119	225792	22.240	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	109077	22.342	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	103159	21.564	ug/l	97
89) n-Butylbenzene	12.91	91	222210	23.200	ug/l	93
90) Hexachloroethane	12.99	117	60479	23.967	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	111529	24.500	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10133	22.010	ug/l	83

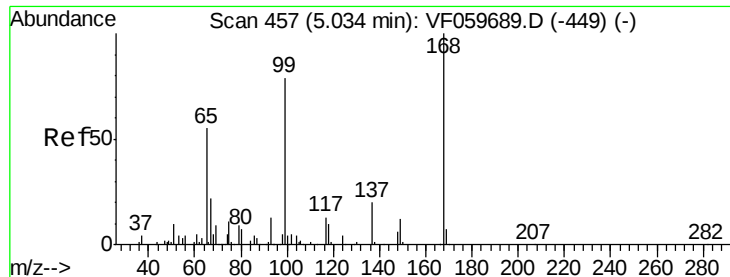
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	84123	22.718	ug/l	97
94) Hexachlorobutadiene	14.25	225	59775	23.901	ug/l	96
95) Naphthalene	14.52	128	135258	20.575	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	80236	22.082	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

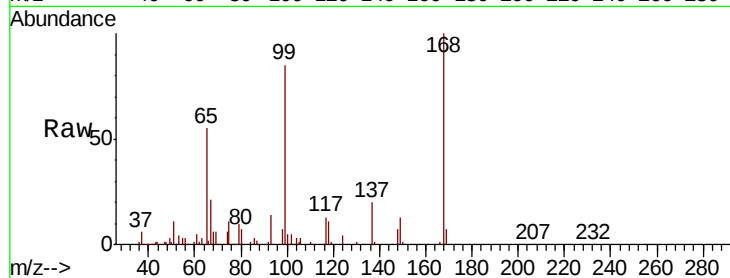
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 162160

Ion Ratio Lower Upper

168 100

99 84.8 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

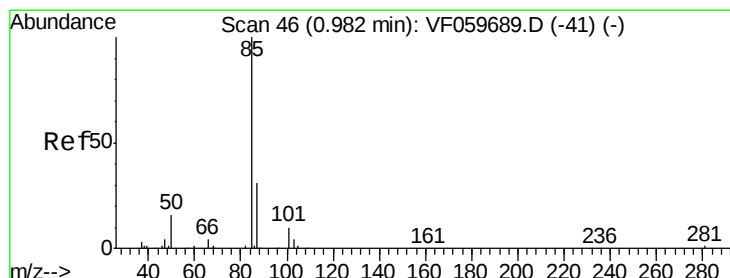
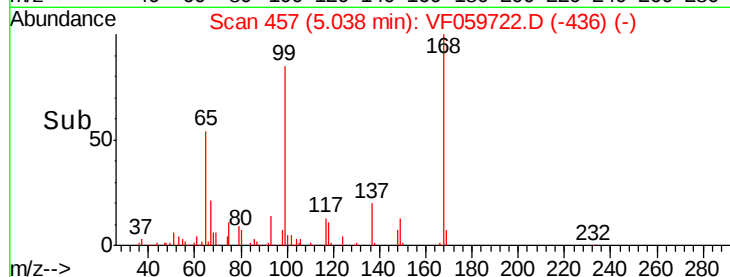
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 28.972 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059722.D

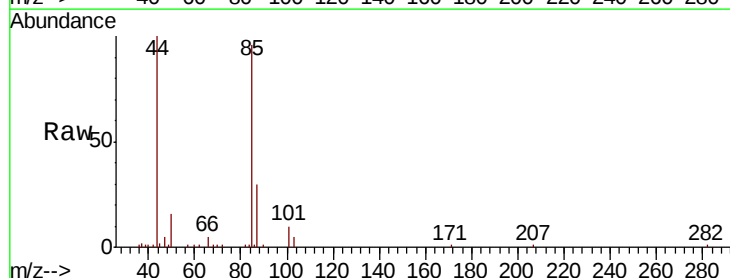
Acq: 31 Jul 2018 21:12

Tgt Ion: 85 Resp: 57143

Ion Ratio Lower Upper

85 100

87 31.3 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

15000

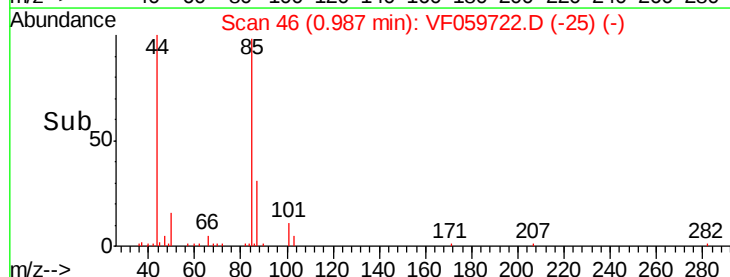
10000

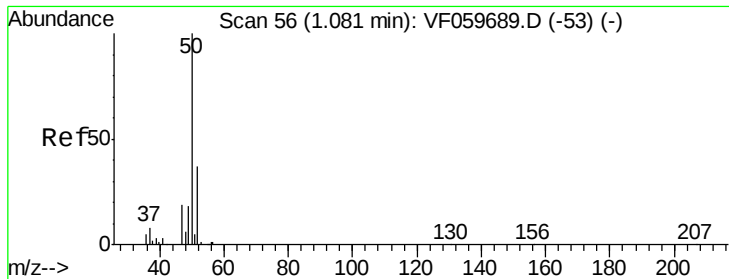
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.941 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

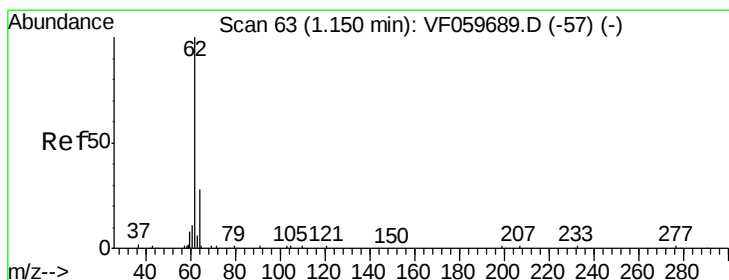
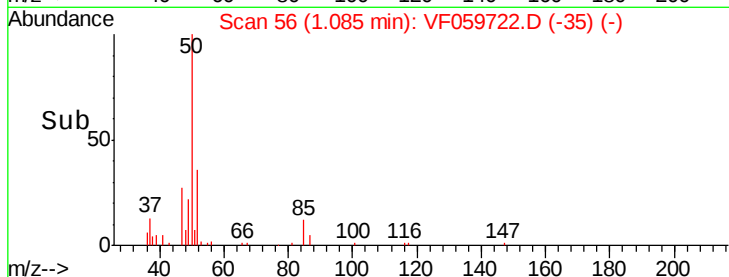
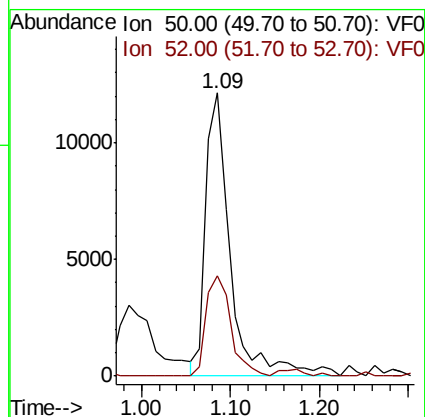
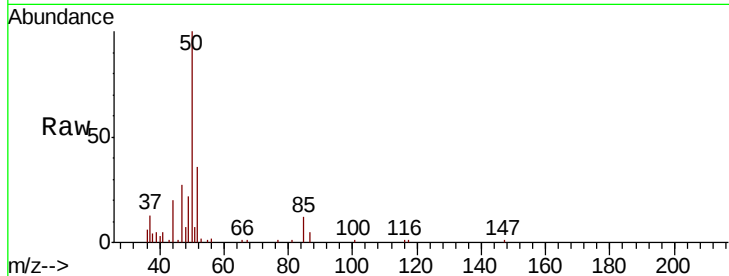
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 23262

Ion Ratio Lower Upper

50 100

52 35.7 29.1 43.7



#4

Vinyl Chloride

Concen: 22.786 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059722.D

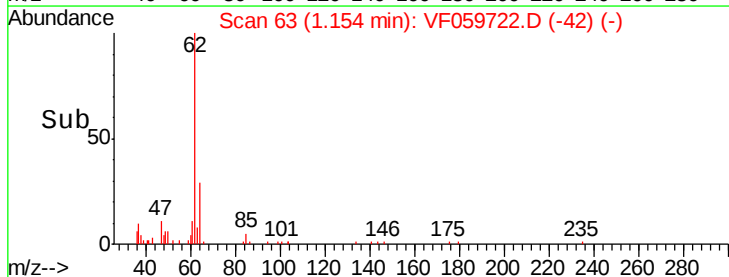
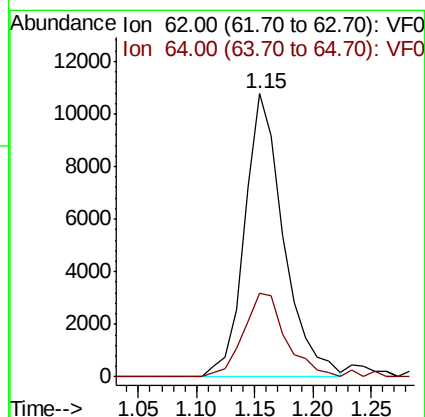
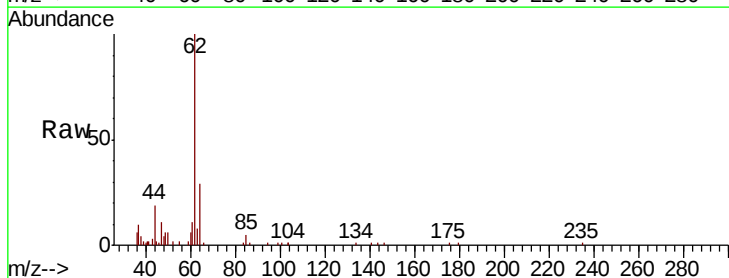
Acq: 31 Jul 2018 21:12

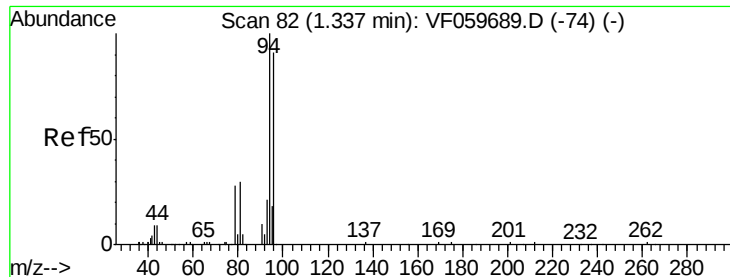
Tgt Ion: 62 Resp: 24915

Ion Ratio Lower Upper

62 100

64 29.3 22.6 33.8





#5

Bromomethane

Concen: 25.662 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

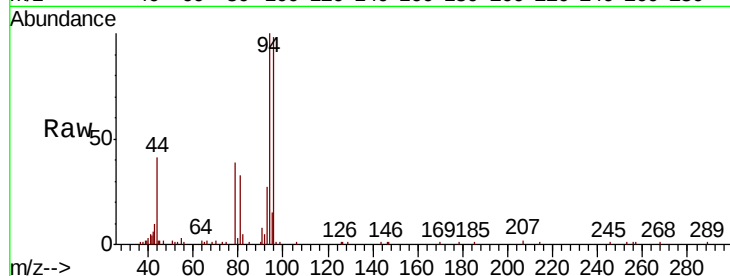
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 22868

Ion Ratio Lower Upper

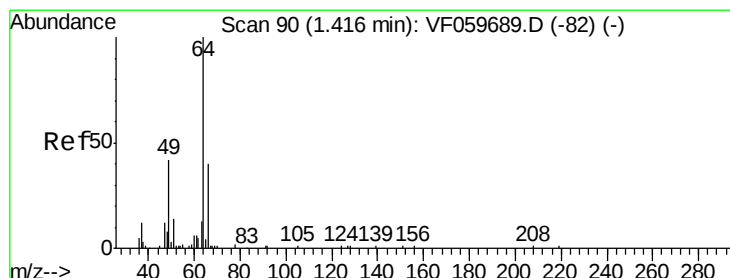
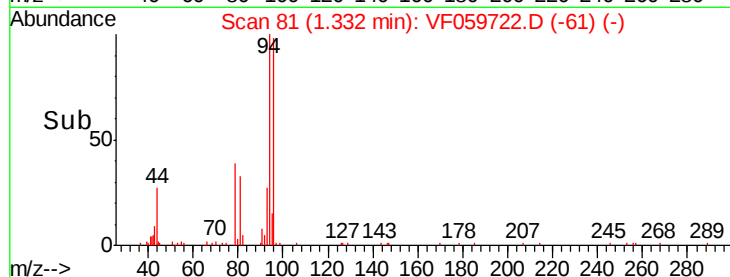
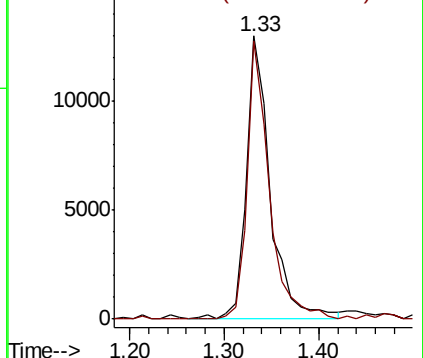
94 100

96 99.0 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: 29.546 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059722.D

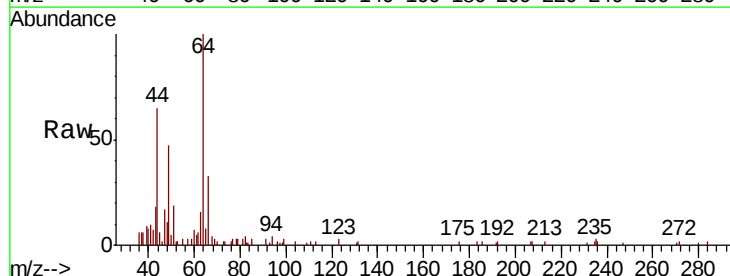
Acq: 31 Jul 2018 21:12

Tgt Ion: 64 Resp: 19155

Ion Ratio Lower Upper

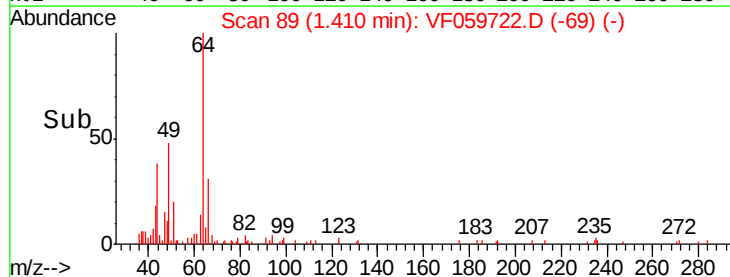
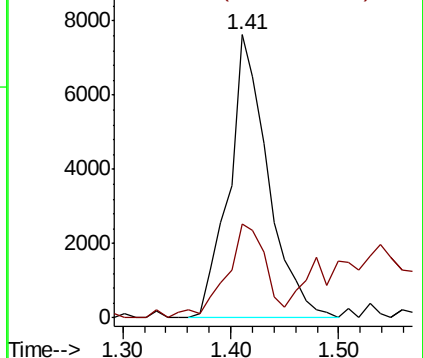
64 100

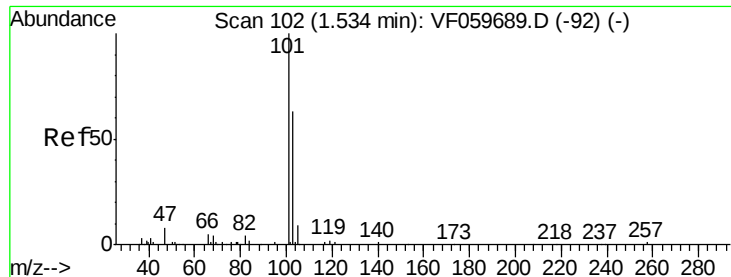
66 33.0 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



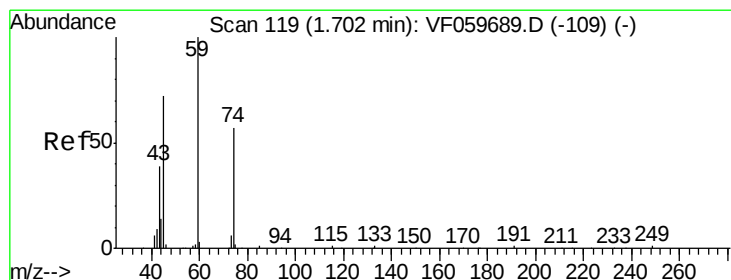
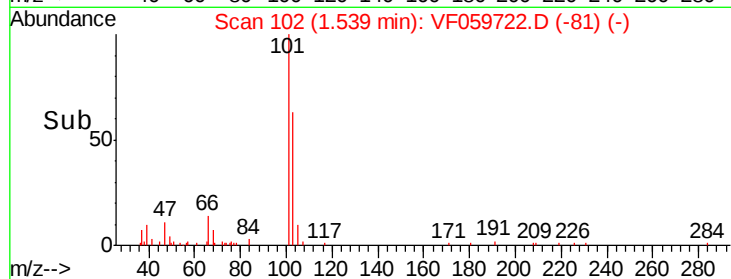
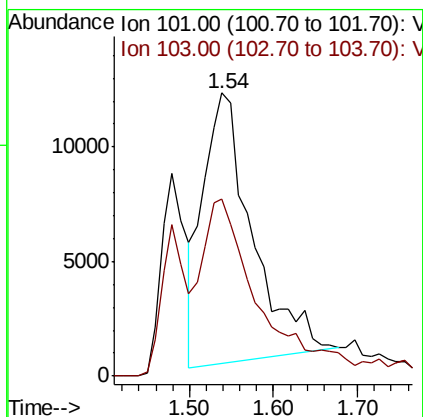
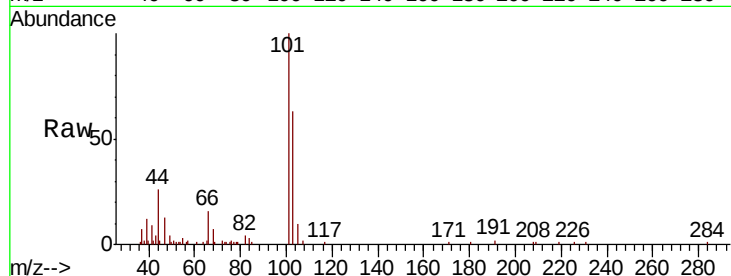


#7

Trichlorofluoromethane
Concen: 15.835 ug/l
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

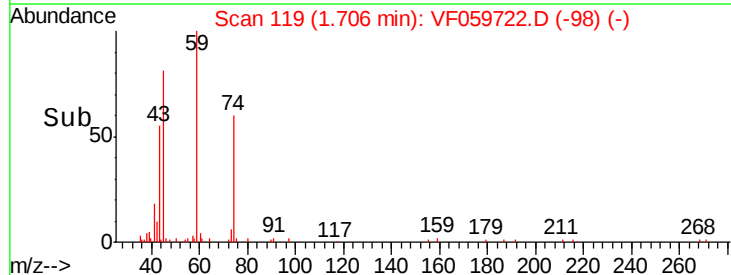
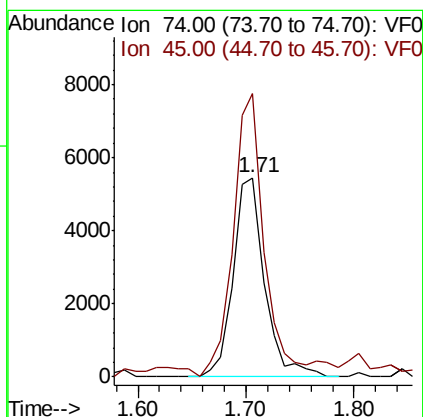
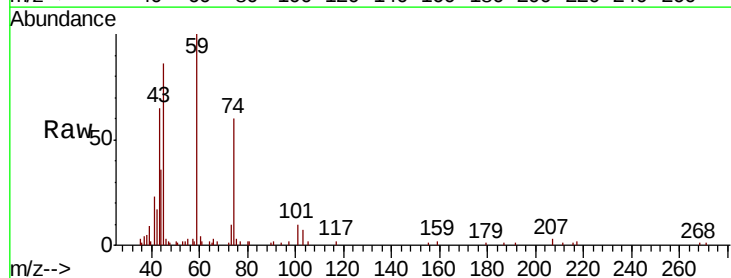
Tot Ion:101 Resp: 47954
Ion Ratio Lower Upper
101 100
103 62.5 50.8 76.2

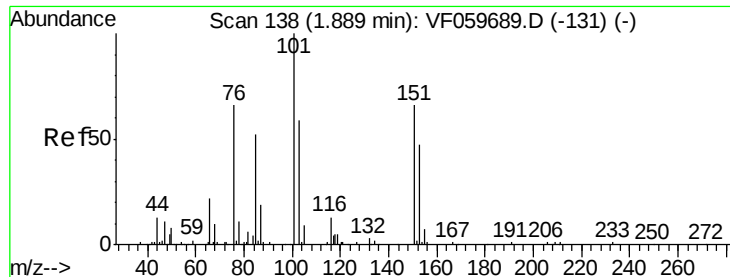


#8

Diethyl Ether
Concen: 21.311 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 74 Resp: 11035
Ion Ratio Lower Upper
74 100
45 142.3 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.010 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

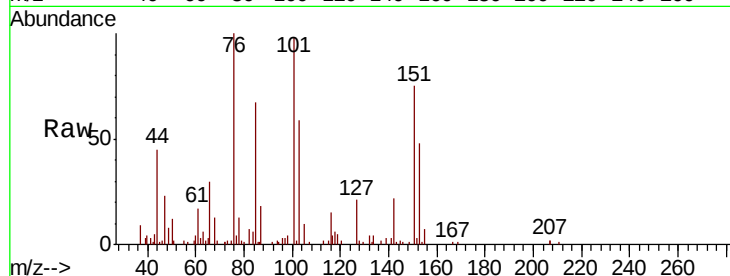
Tot Ion:101 Resp: 39667

Ion Ratio Lower Upper

101 100

85 69.3 40.7 61.1#

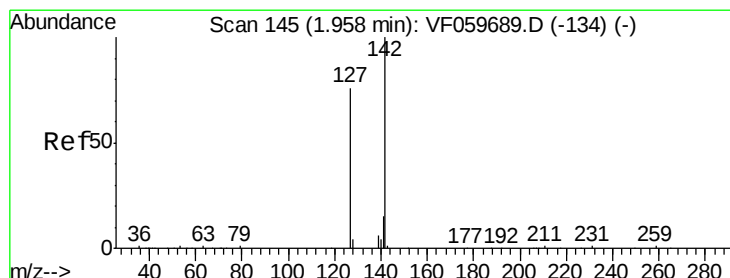
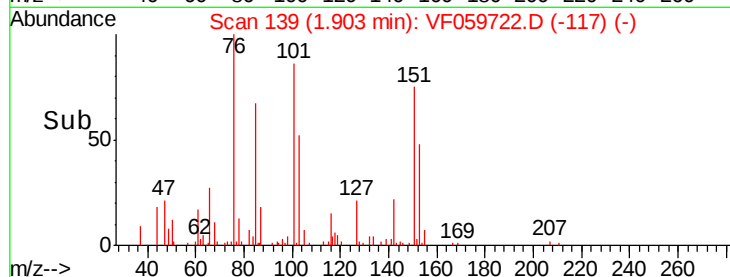
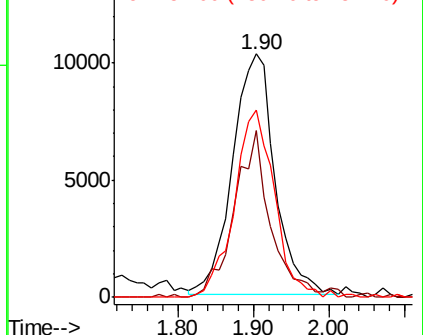
151 77.0 51.4 77.2



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: 26.130 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

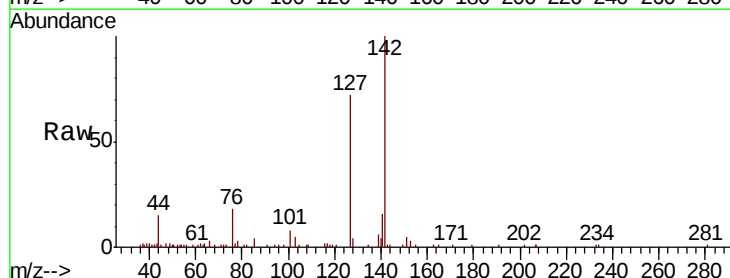
Tgt Ion:142 Resp: 62399

Ion Ratio Lower Upper

142 100

127 72.0 60.6 91.0

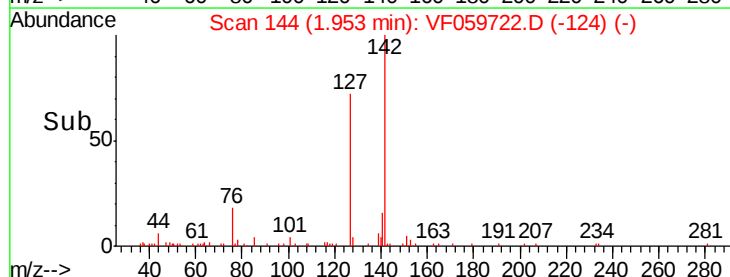
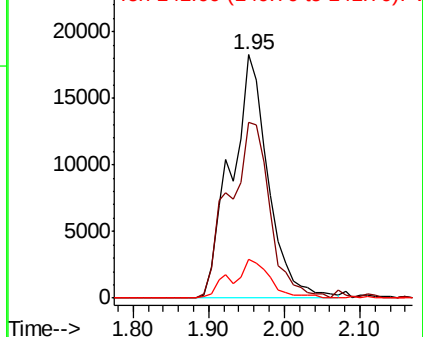
141 16.0 12.0 18.0

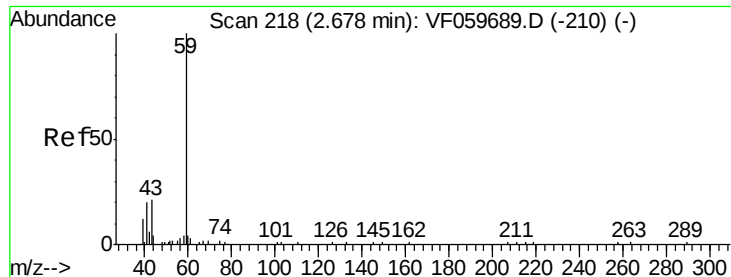


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



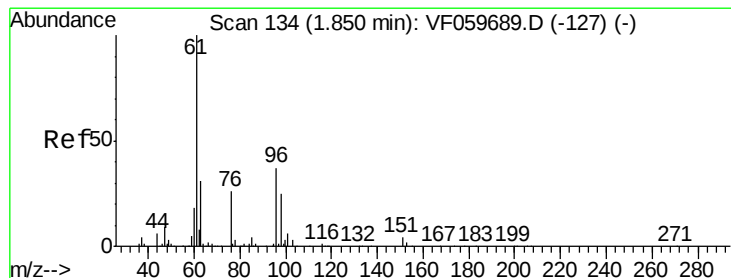
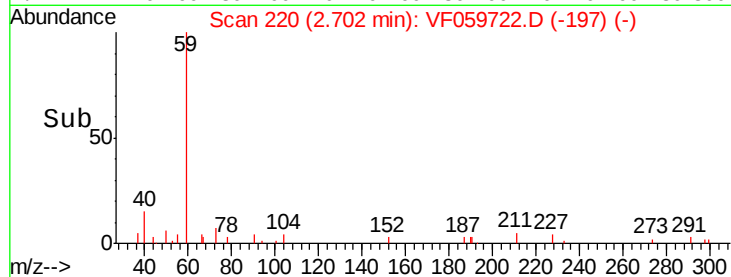
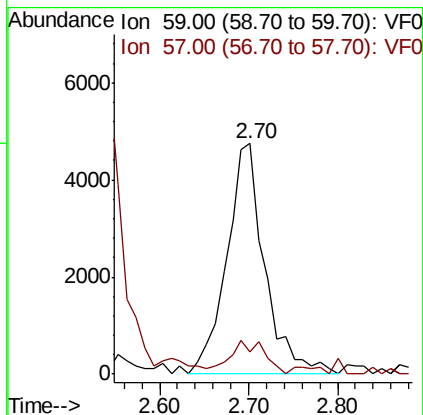
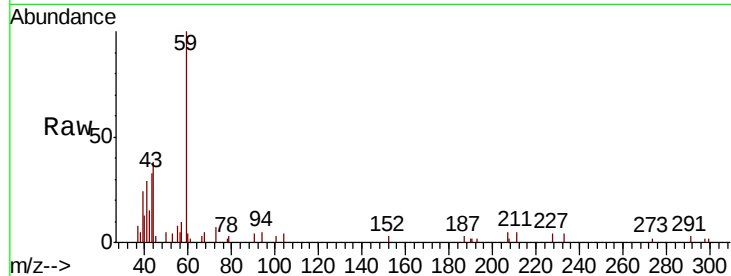


#11

Tert butyl alcohol
Concen: 119.254 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

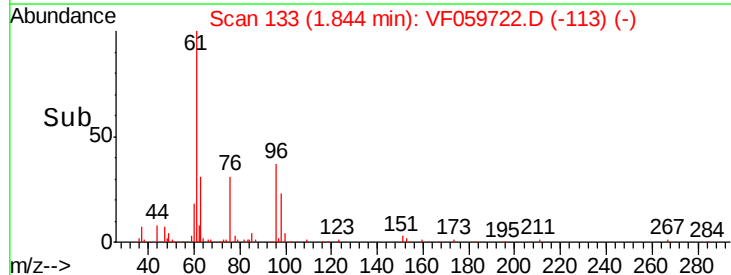
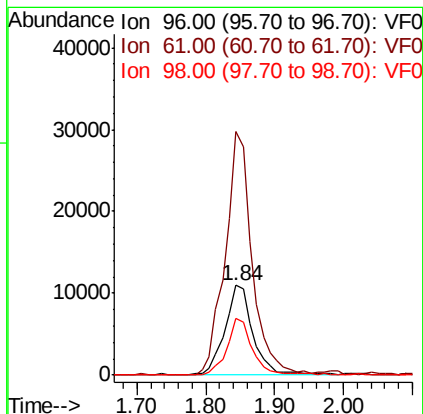
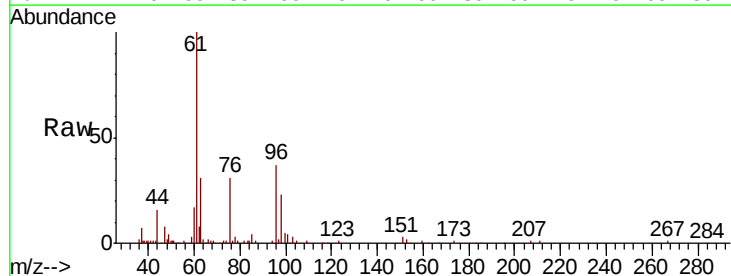
Tot Ion: 59 Resp: 14103
Ion Ratio Lower Upper
59 100
57 9.7 7.6 11.4

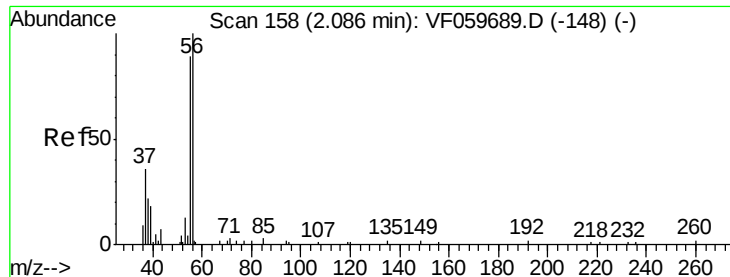


#12

1,1-Dichloroethene
Concen: 24.790 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 96 Resp: 31131
Ion Ratio Lower Upper
96 100
61 271.6 215.1 322.7
98 63.2 54.3 81.5





#13

Acrolein

Concen: 74.840 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

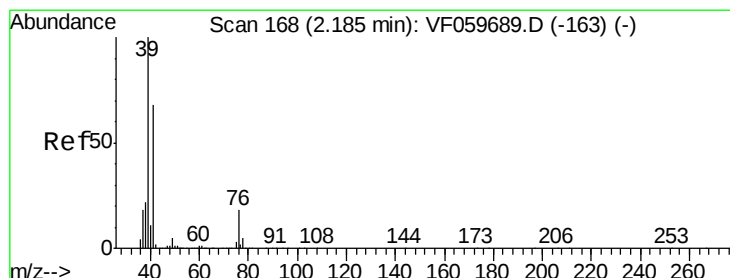
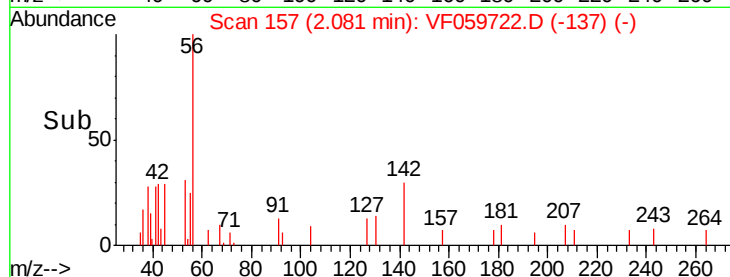
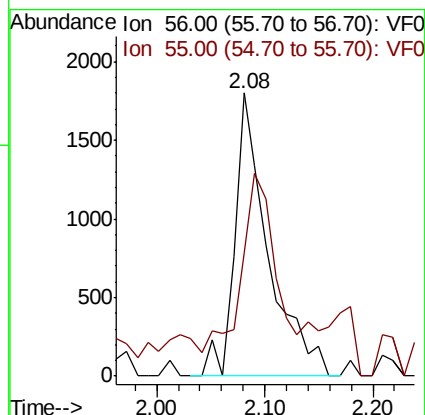
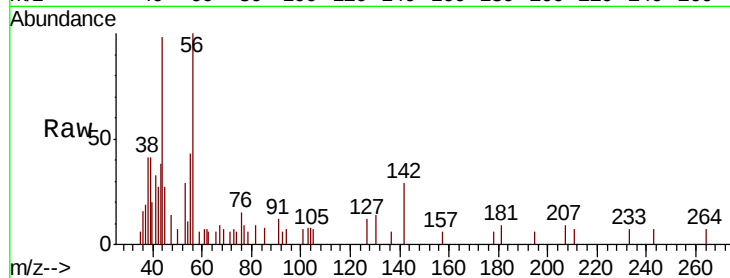
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 3866

Ion Ratio Lower Upper

56 100

55 43.4 73.2 109.8#



#14

Allyl chloride

Concen: 24.179 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

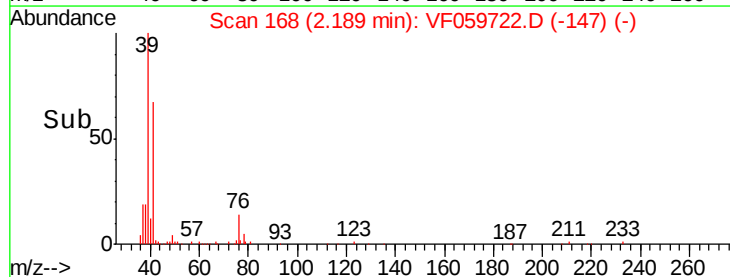
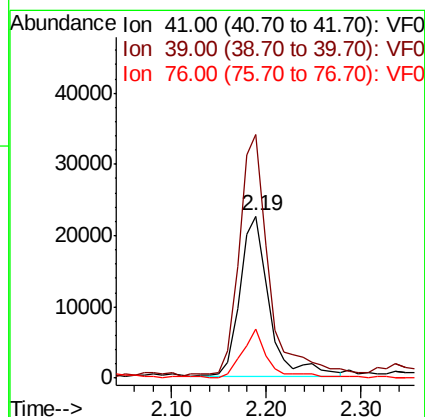
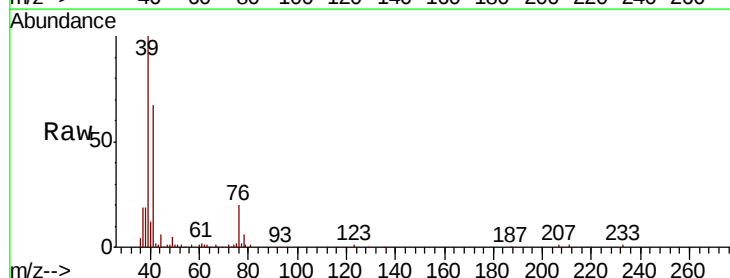
Tgt Ion: 41 Resp: 48480

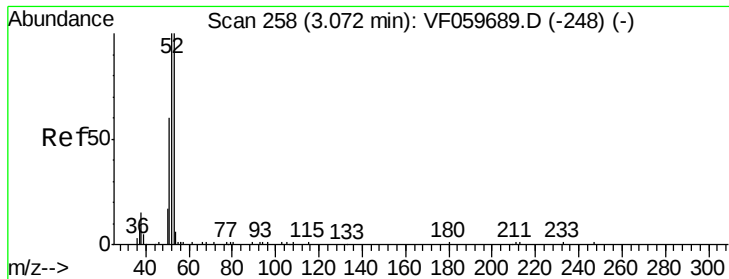
Ion Ratio Lower Upper

41 100

39 150.1 118.1 177.1

76 30.0 22.0 33.0





#15

Acrylonitrile

Concen: 116.687 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

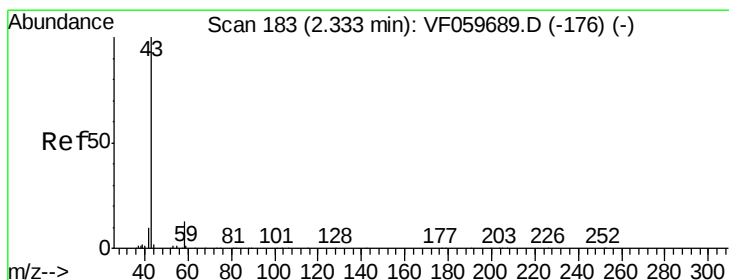
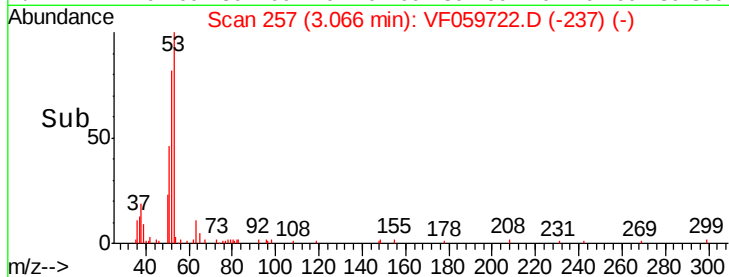
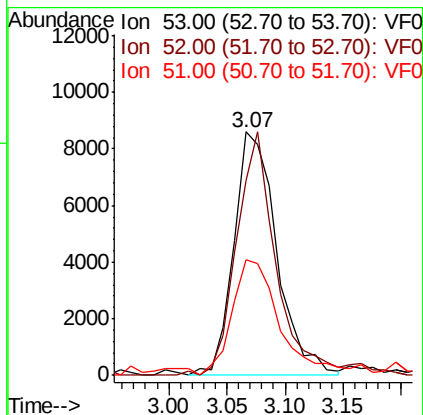
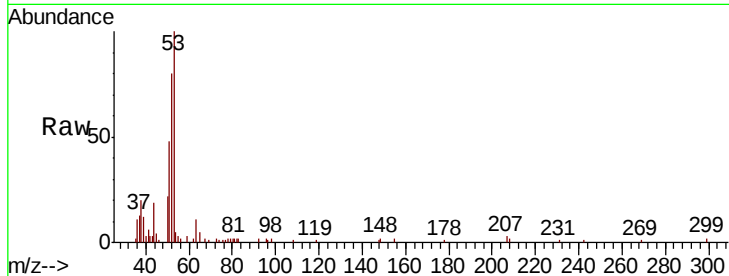
Tot Ion: 53 Resp: 21966

Ion Ratio Lower Upper

53 100

52 80.0 80.3 120.5#

51 47.6 49.4 74.0#



#16

Acetone

Concen: 94.642 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059722.D

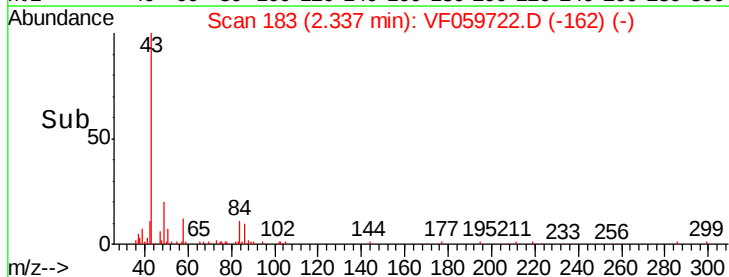
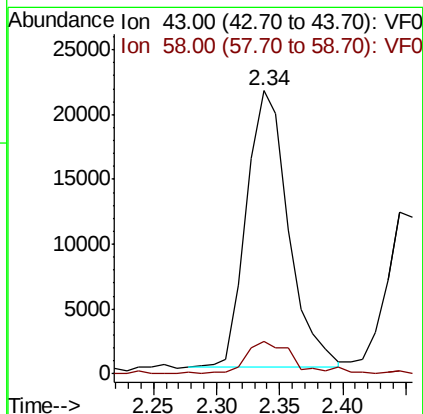
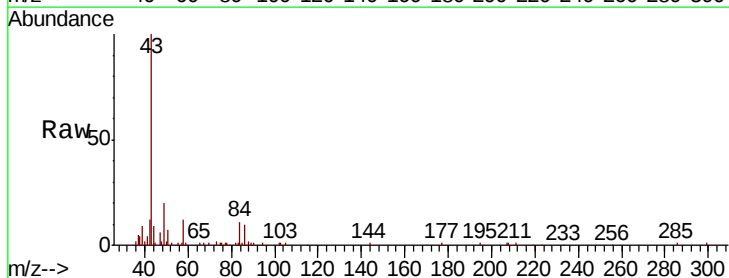
Acq: 31 Jul 2018 21:12

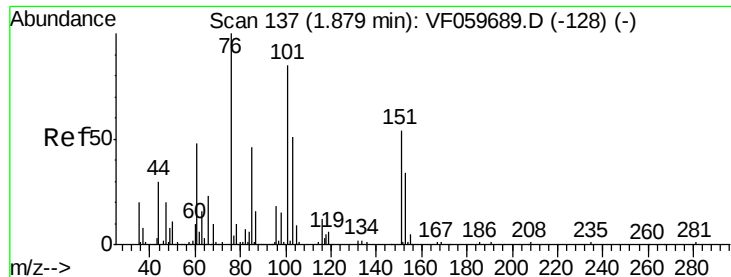
Tgt Ion: 43 Resp: 49612

Ion Ratio Lower Upper

43 100

58 11.6 10.1 15.1

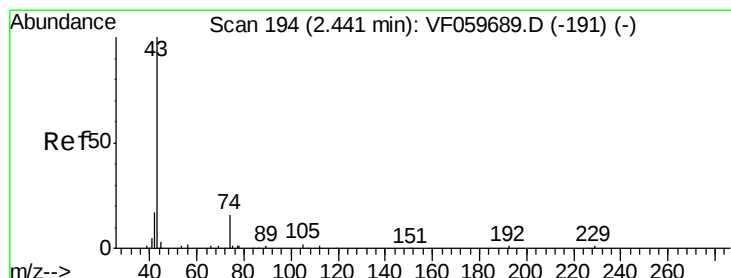
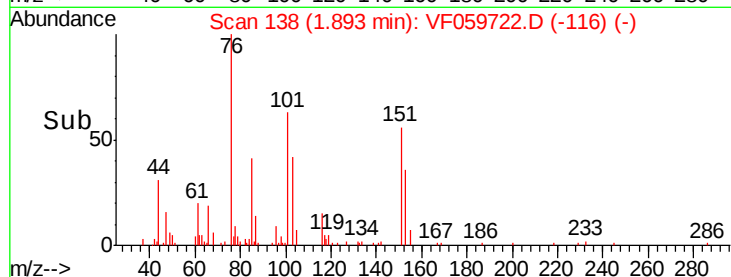
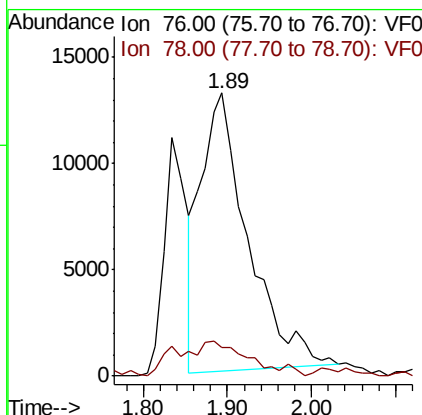
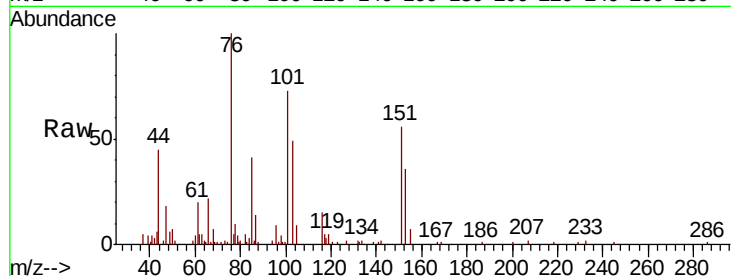




#17
Carbon Disulfide
Concen: 16.037 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

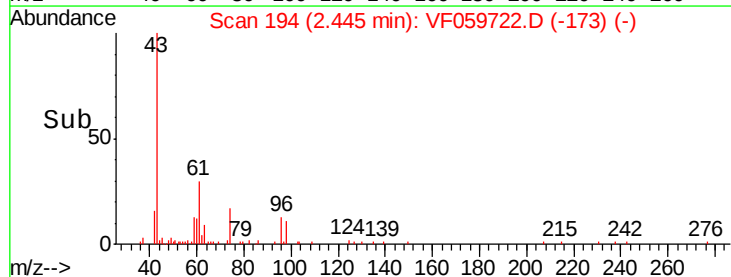
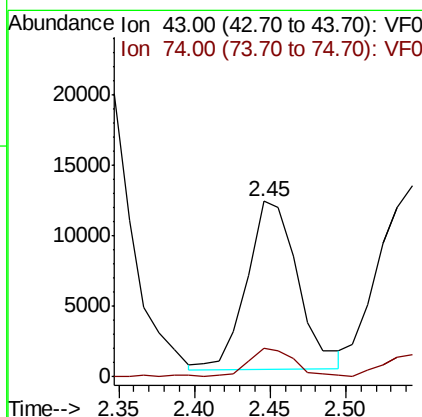
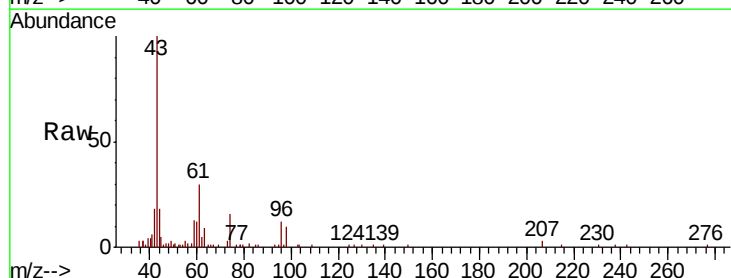
Instrument :
MSVOA_F
ClientSampleId :

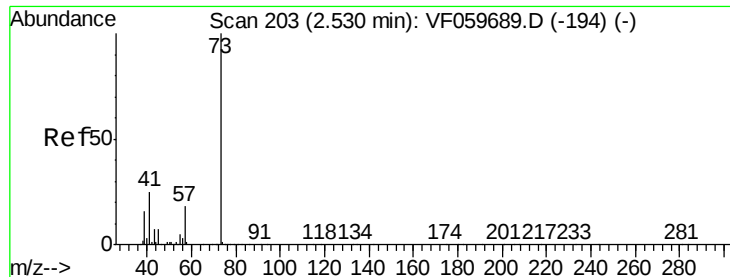
Tot Ion: 76 Resp: 50832
Ion Ratio Lower Upper
76 100
78 9.9 8.9 13.3



#18
Methyl Acetate
Concen: 33.093 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 43 Resp: 28292
Ion Ratio Lower Upper
43 100
74 16.3 11.8 17.6



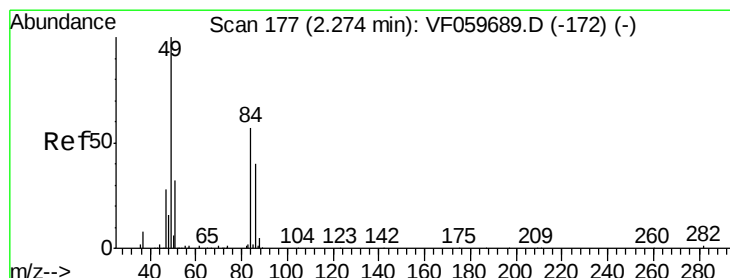
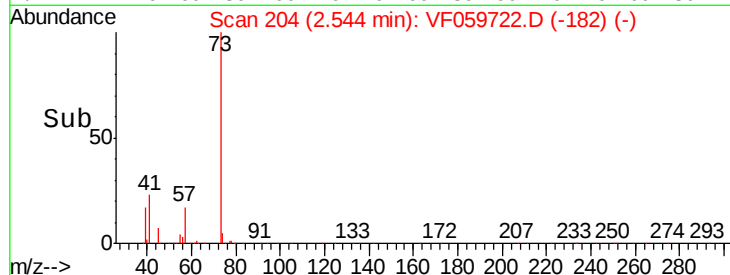
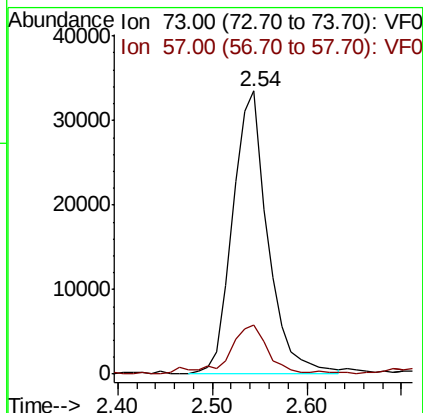
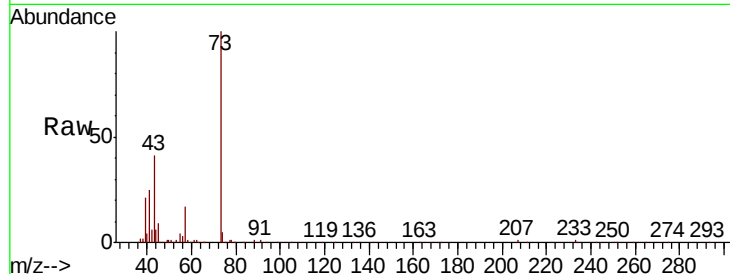


#19

Methyl tert-butyl Ether
 Concen: 22.521 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Instrument :
 MSVOA_F
 ClientSampleId :

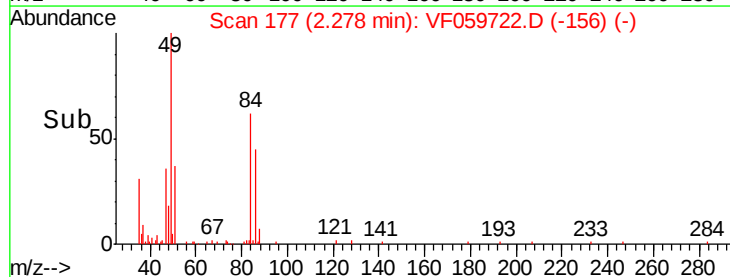
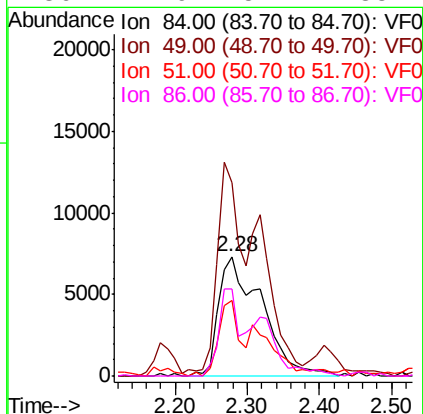
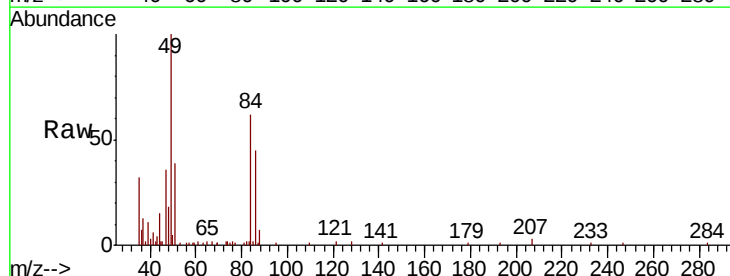
Tot Ion: 73 Resp: 86248
 Ion Ratio Lower Upper
 73 100
 57 17.4 14.2 21.2

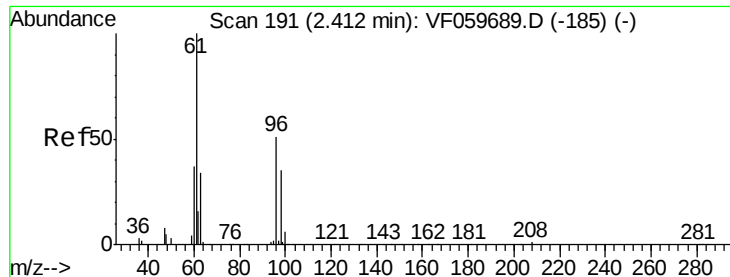


#20

Methylene Chloride
 Concen: 22.422 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Tgt Ion: 84 Resp: 30107
 Ion Ratio Lower Upper
 84 100
 49 162.1 142.2 213.4
 51 63.4 46.2 69.2
 86 72.9 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 25.504 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

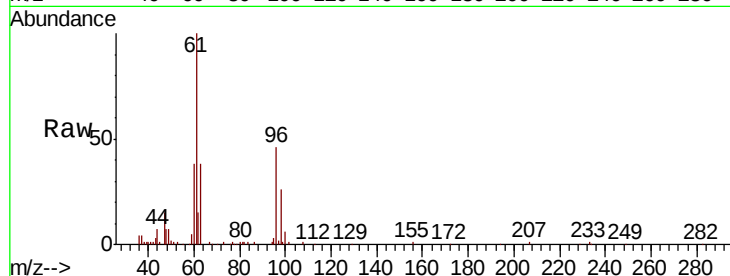
Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 29410

Ion	Ratio	Lower	Upper
96	100		
61	207.9	157.4	236.0
98	55.7	55.0	82.4

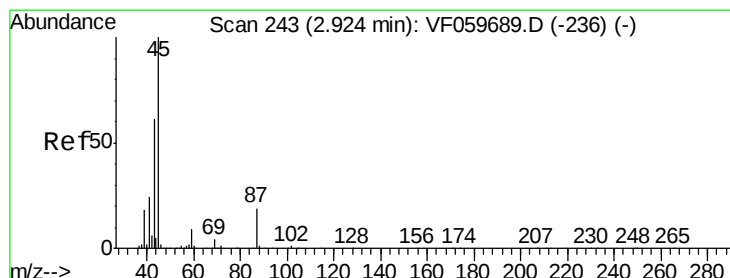
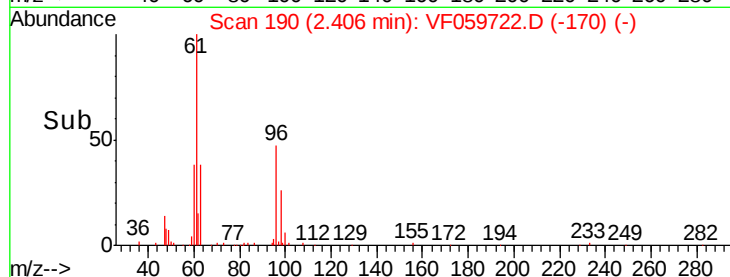
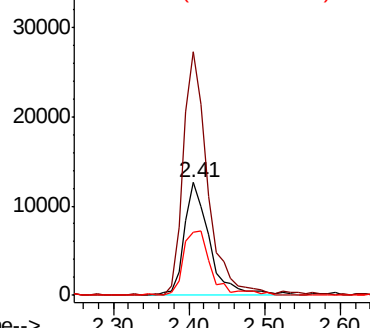


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.639 ug/l

RT: 2.93 min Scan# 243

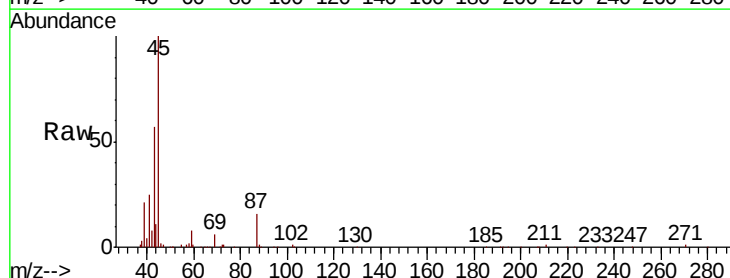
Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Tgt Ion: 45 Resp: 95991

Ion	Ratio	Lower	Upper
45	100		
43	56.5	49.3	73.9
87	16.2	15.3	22.9
59	8.3	7.1	10.7



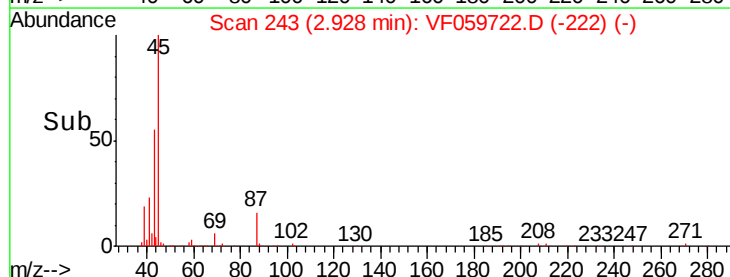
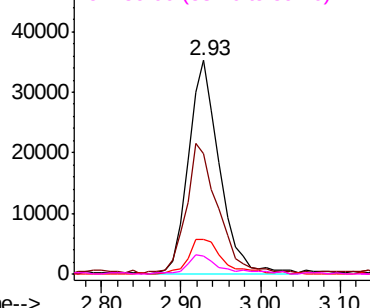
Abundance

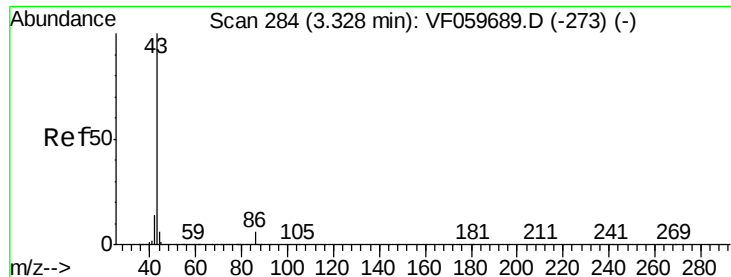
Ion 45.00 (44.70 to 45.70): VF0

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: 101.629 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

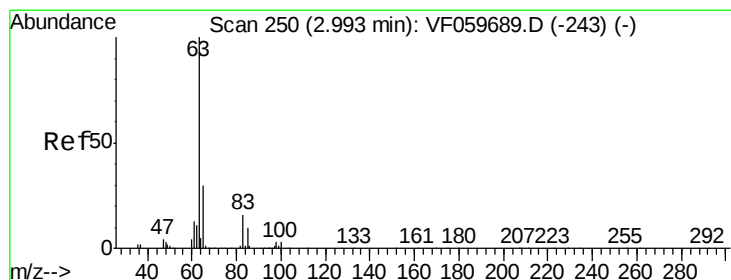
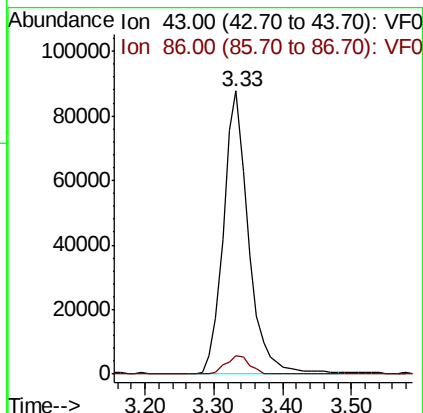
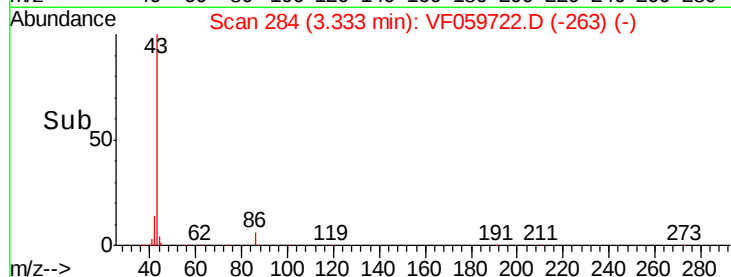
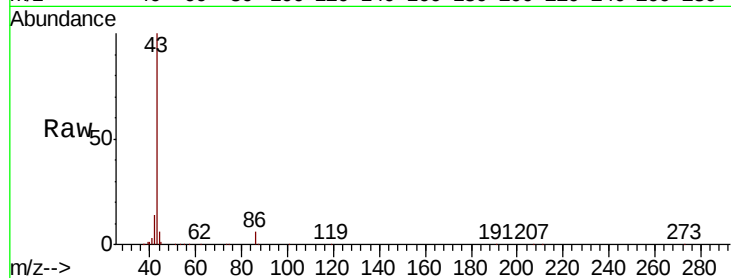
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 221541

Ion Ratio Lower Upper

43 100

86 6.3 4.6 6.8



#24

1,1-Dichloroethane

Concen: 24.788 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

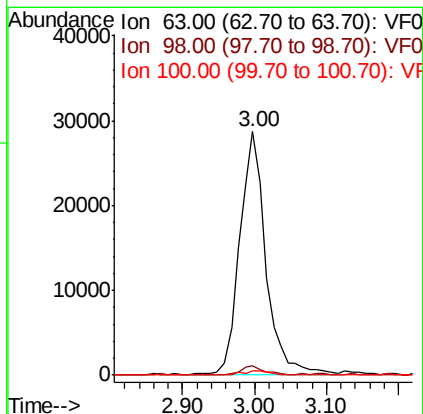
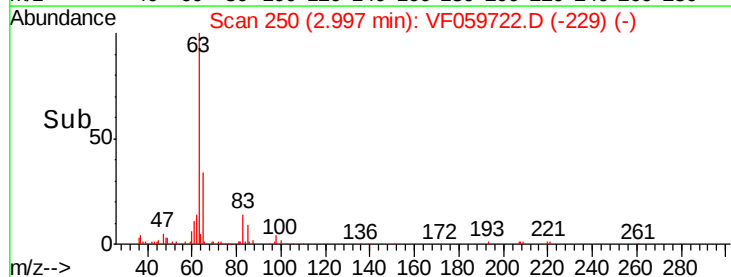
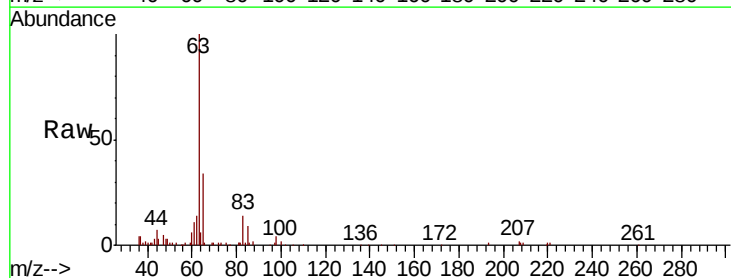
Tgt Ion: 63 Resp: 73021

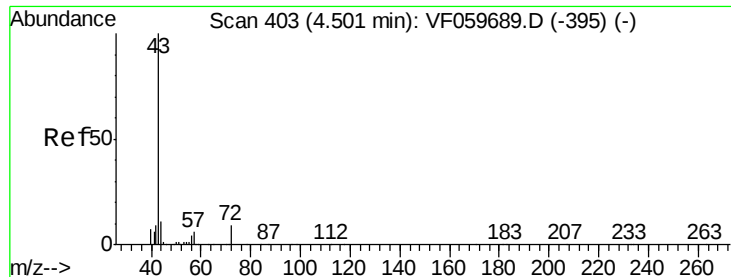
Ion Ratio Lower Upper

63 100

98 4.1 1.4 4.2

100 1.9 1.6 4.7





#25

2-Butanone

Concen: 97.738 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

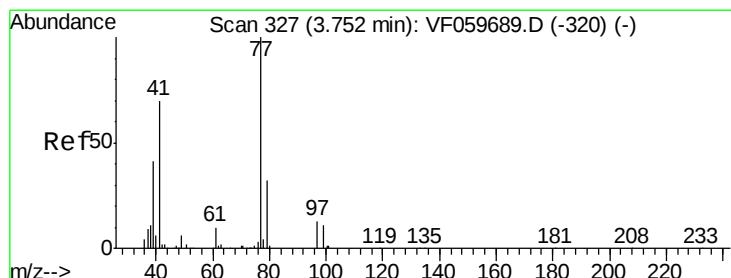
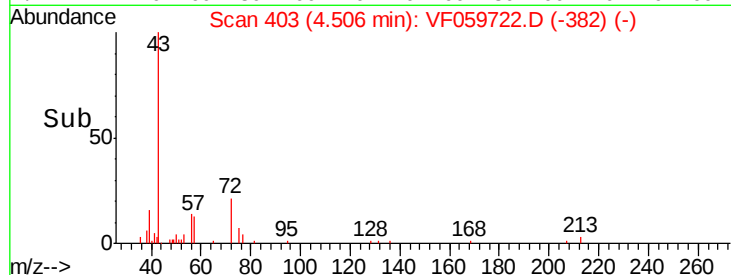
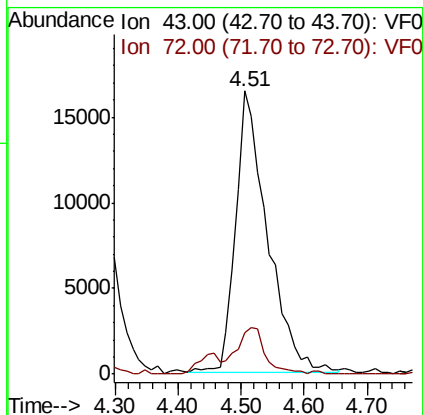
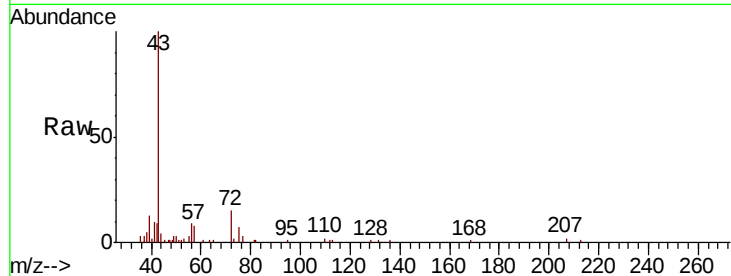
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 57178

Ion Ratio Lower Upper

43 100

72 14.5 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 24.731 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059722.D

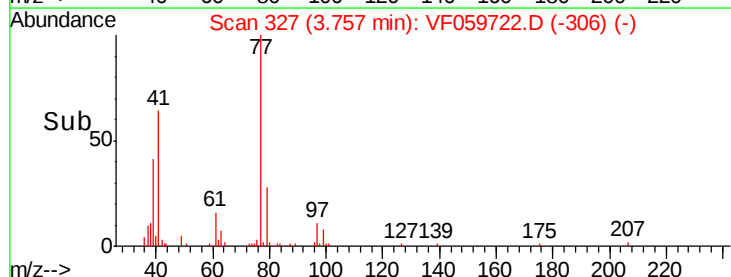
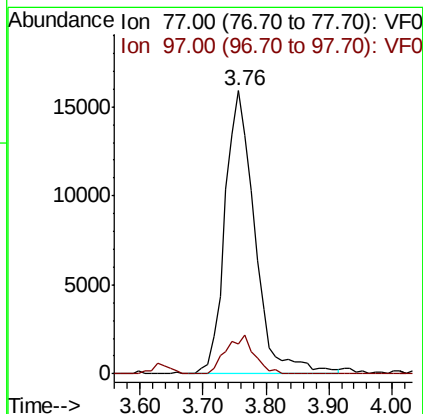
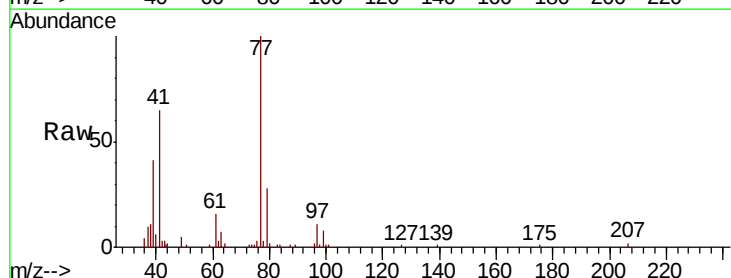
Acq: 31 Jul 2018 21:12

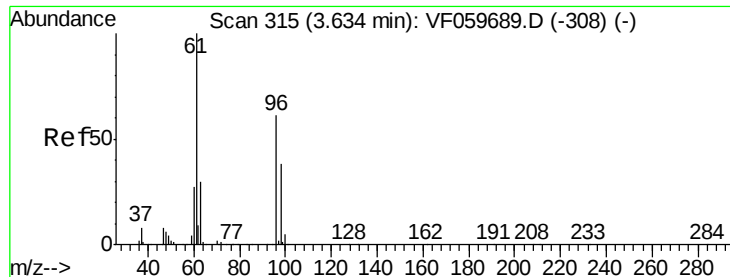
Tgt Ion: 77 Resp: 51934

Ion Ratio Lower Upper

77 100

97 10.6 6.8 20.4



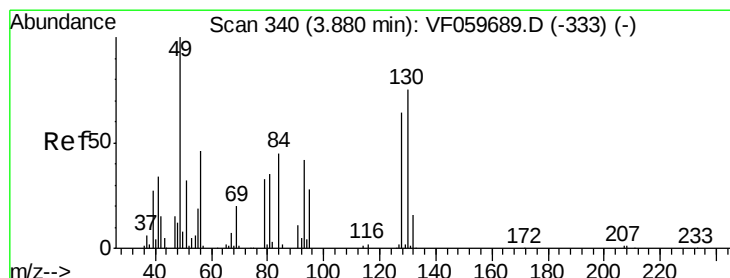
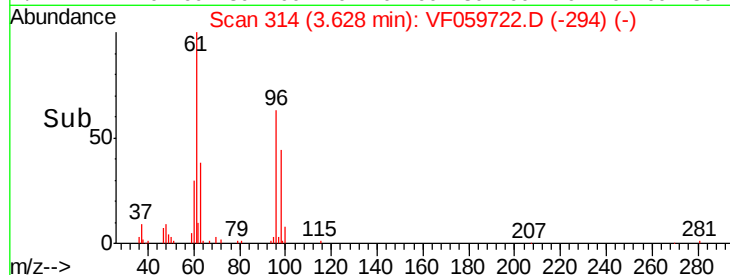
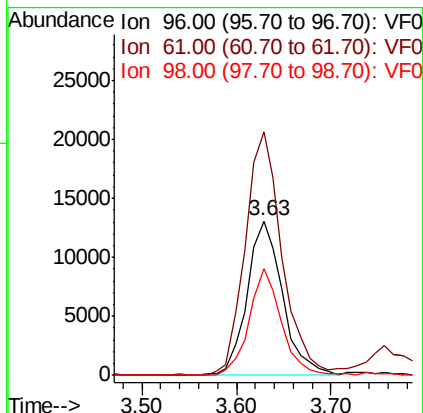
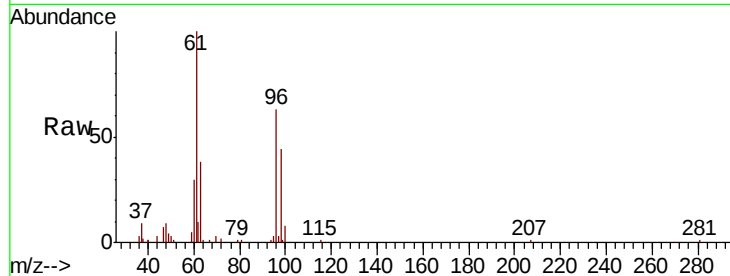


#27

cis-1,2-Dichloroethene
Concen: 21.559 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampled :

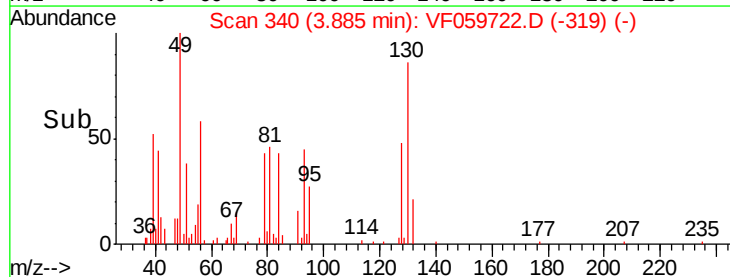
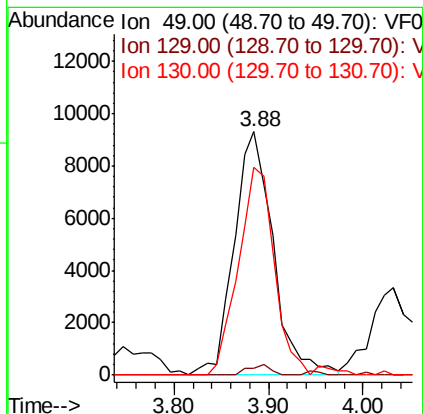
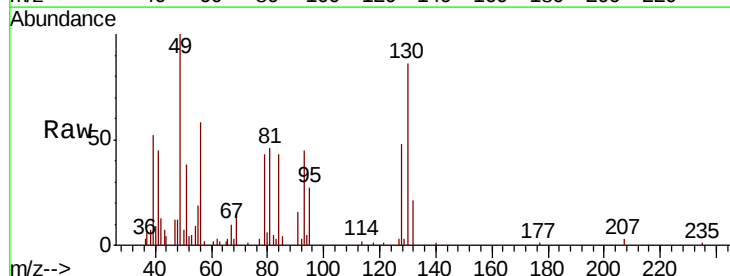
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	326.8
98	68.9	0.0	125.2

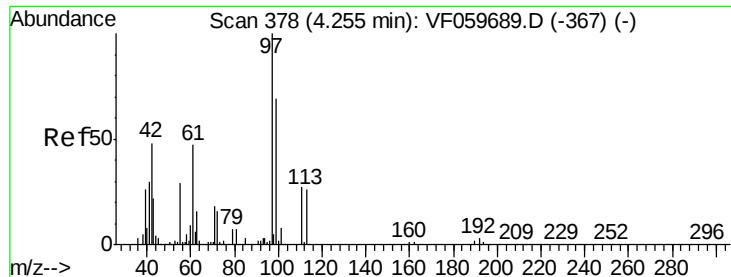


#28

Bromochloromethane
Concen: 23.560 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.8
130	85.6	59.6	89.4





#29

Tetrahydrofuran

Concen: 103.378 ug/l

RT: 4.26 min Scan# 378

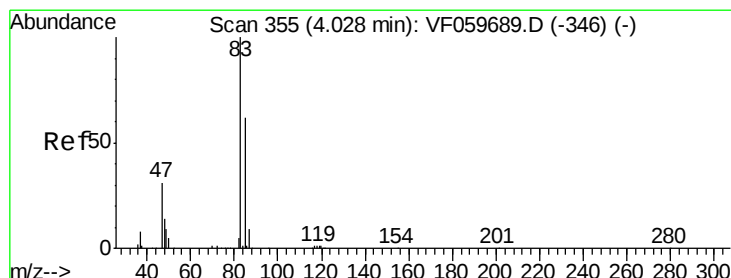
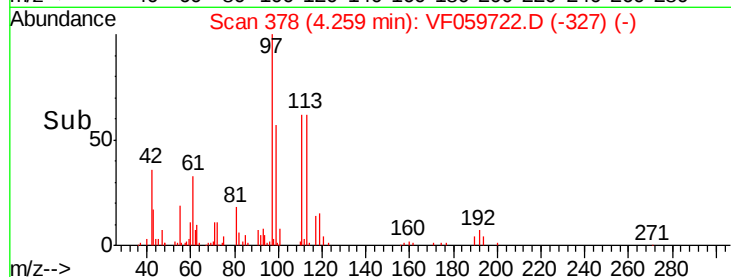
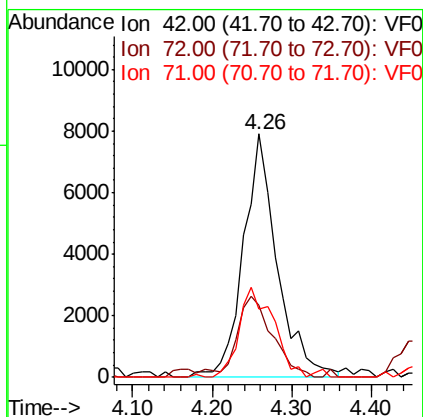
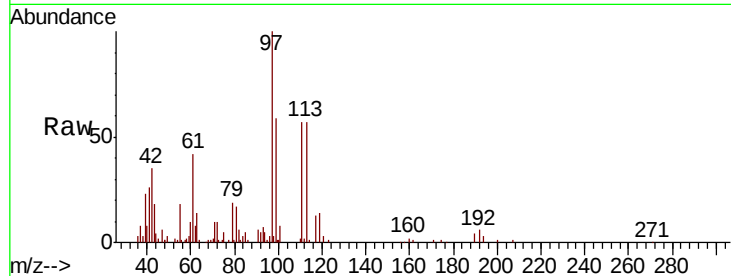
Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	23244
Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.0	40.6
71	37.4	29.7	44.5



#30

Chloroform

Concen: 23.359 ug/l

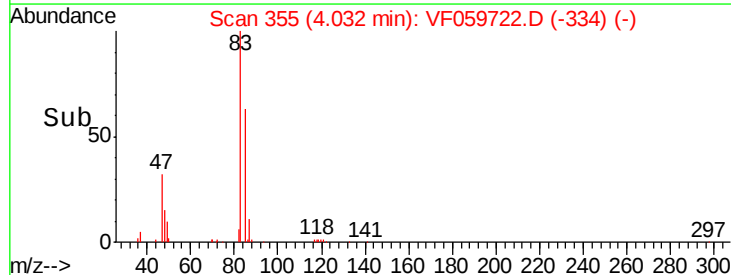
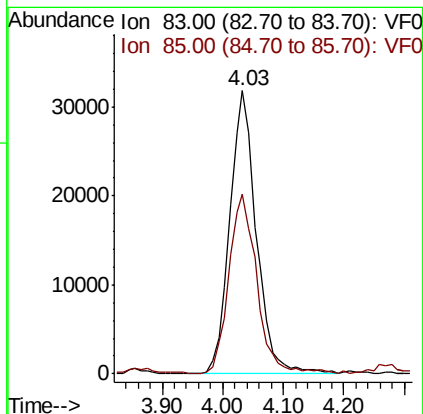
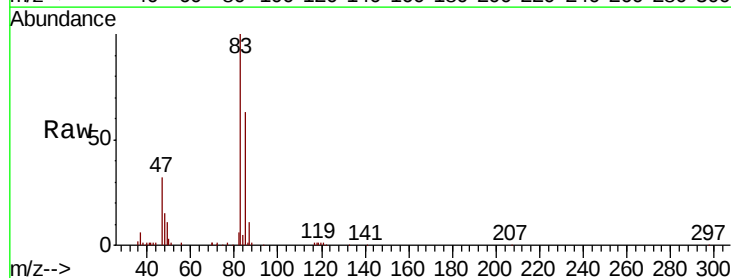
RT: 4.03 min Scan# 355

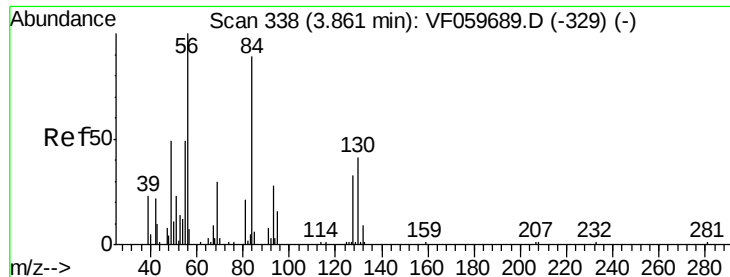
Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Tgt Ion:	83	Resp:	97117
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.4	74.0

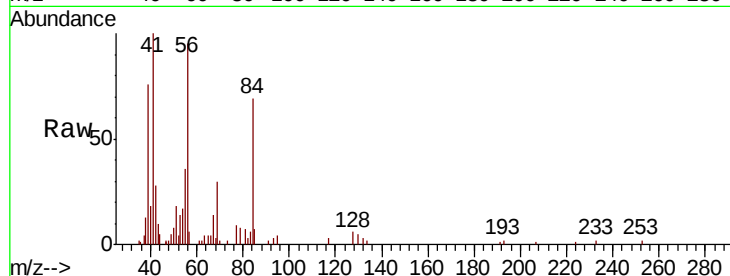




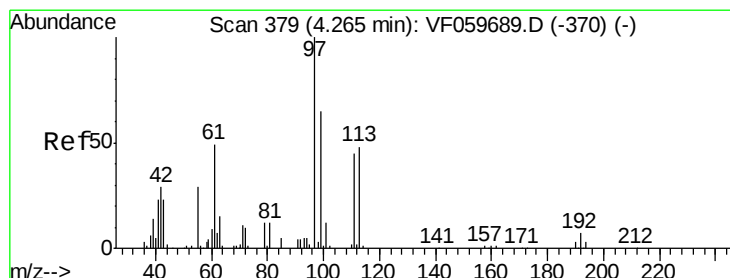
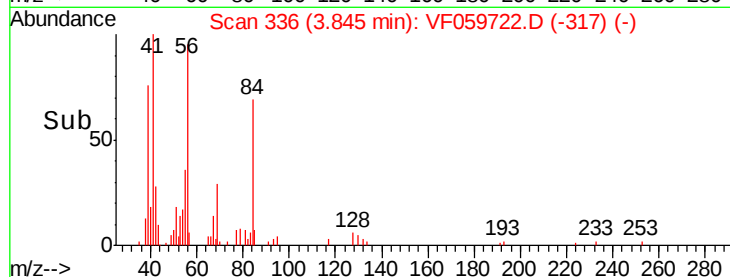
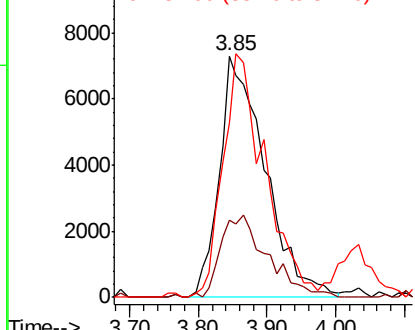
#31
Cyclohexane
Concen: 21.243 ug/l
RT: 3.85 min Scan# 336
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 33714
Ion Ratio Lower Upper
56 100
69 31.8 23.7 35.5
84 72.1 71.1 106.7

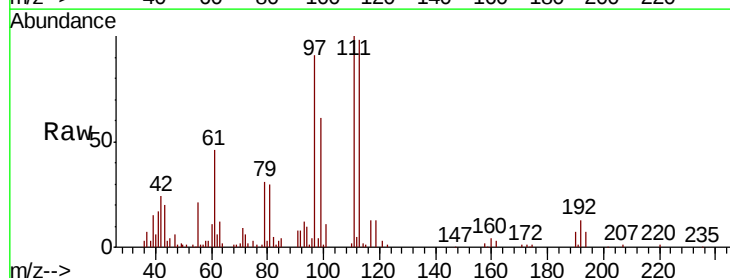


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

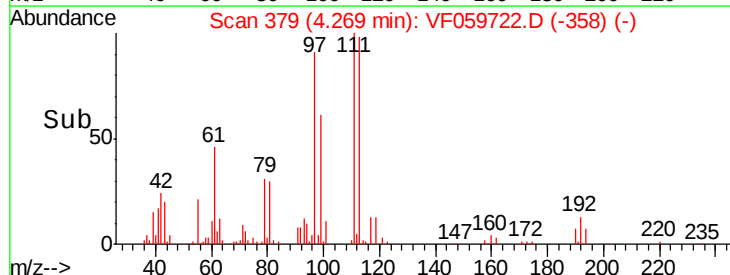
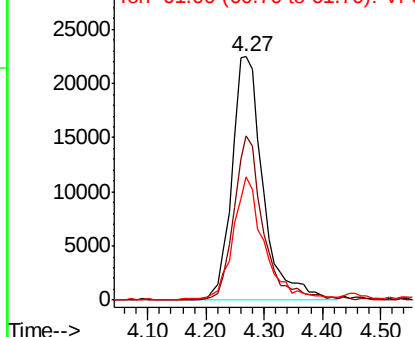


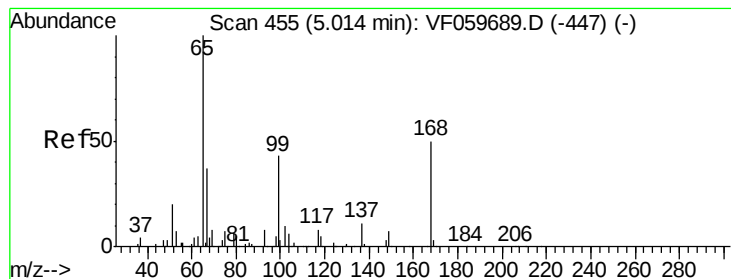
#32
1,1,1-Trichloroethane
Concen: 25.923 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 97 Resp: 83597
Ion Ratio Lower Upper
97 100
99 68.5 52.4 78.6
61 50.5 39.7 59.5



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 57.337 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

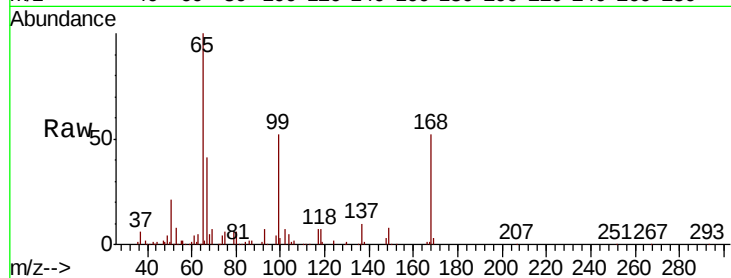
ClientSampleId :

Tot Ion: 65 Resp: 167100

Ion Ratio Lower Upper

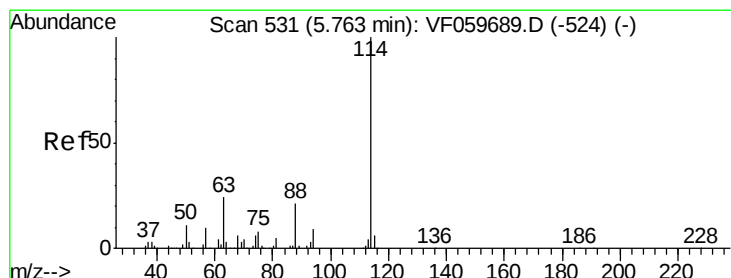
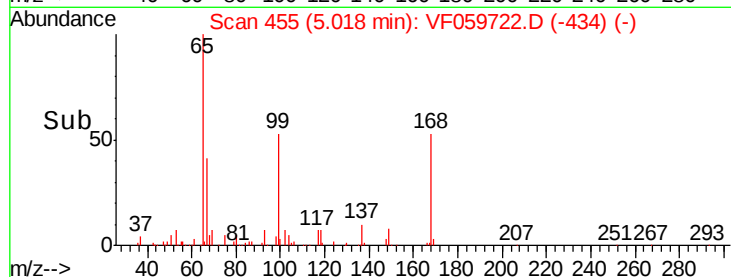
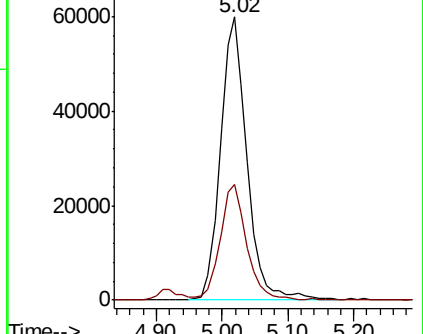
65 100

67 40.9 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

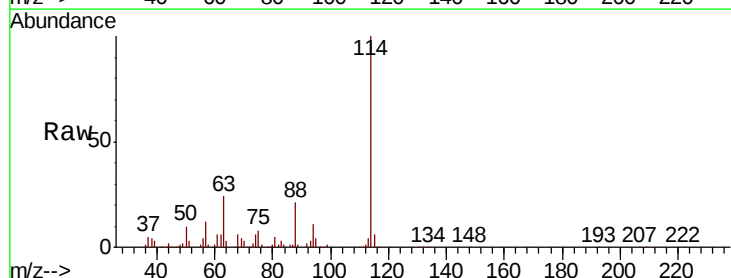
Tgt Ion: 114 Resp: 226356

Ion Ratio Lower Upper

114 100

63 24.3 0.0 47.4

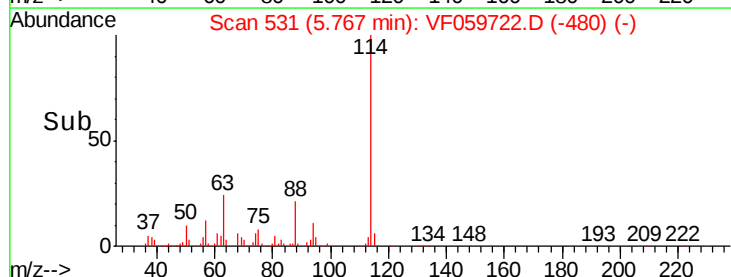
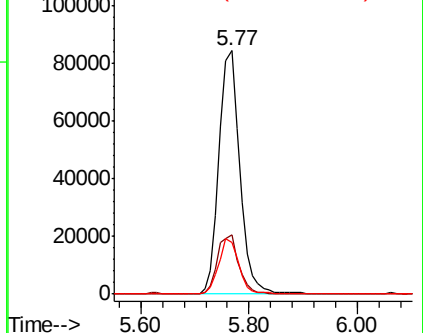
88 21.0 0.0 41.2

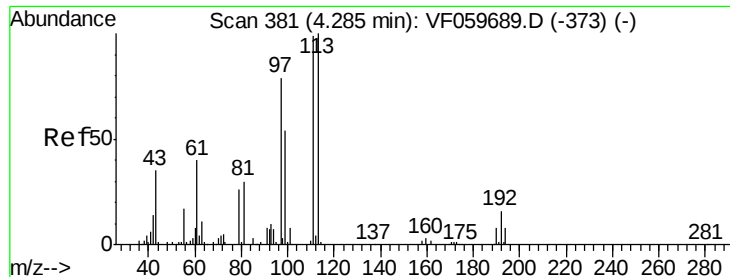


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

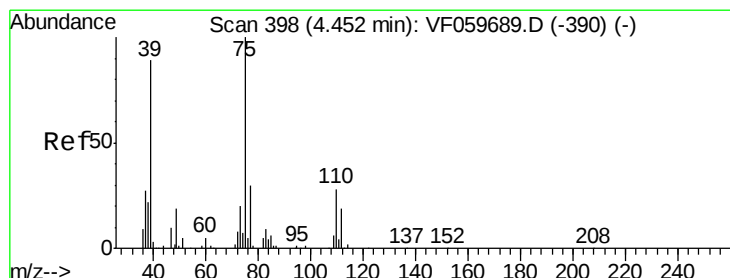
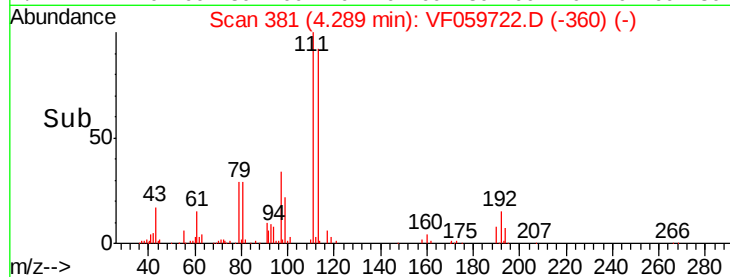
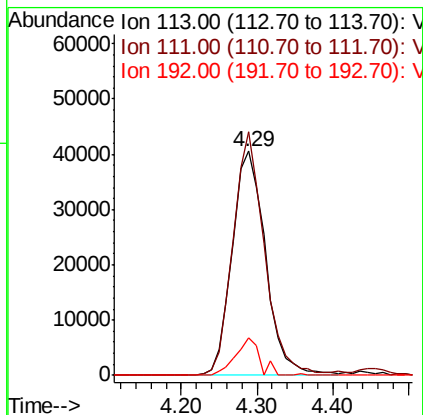
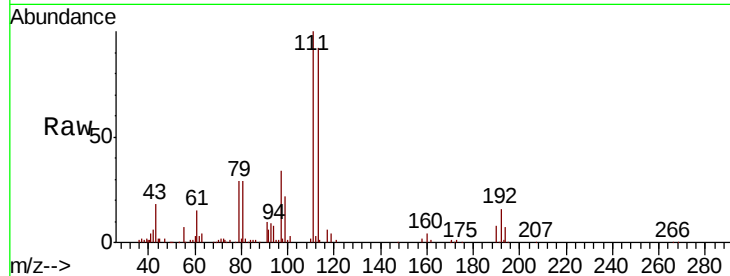




#35
 Dibromofluoromethane
 Concen: 52.896 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

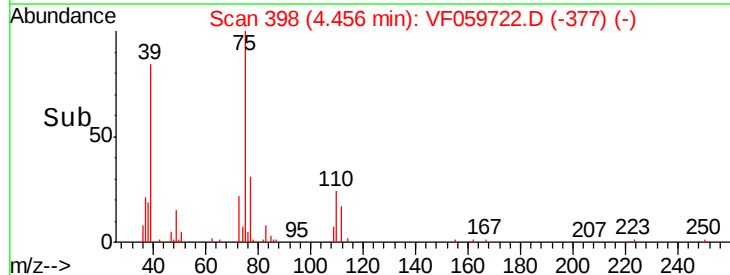
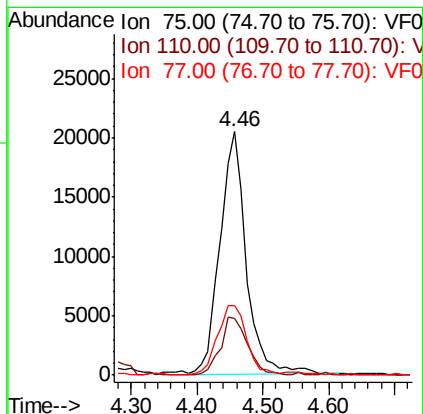
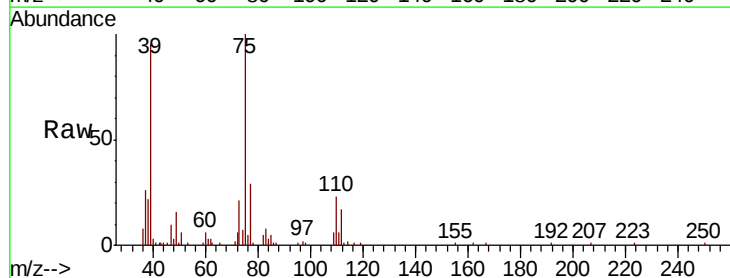
Instrument :
 MSVOA_F
 ClientSampleId :

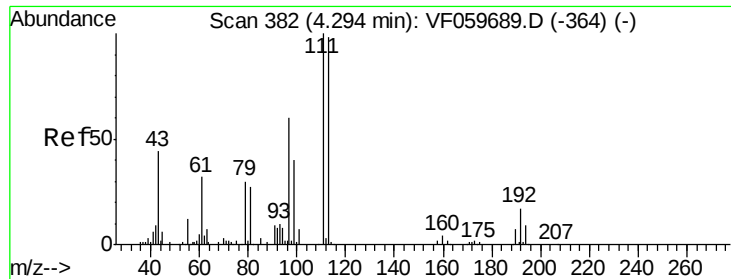
Tot Ion	Ratio	Lower	Upper
113	100		
111	108.6	79.0	118.4
192	16.9	13.2	19.8



#36
 1,1-Dichloropropene
 Concen: 22.906 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	23.2	14.0	41.9
77	28.5	24.2	36.2

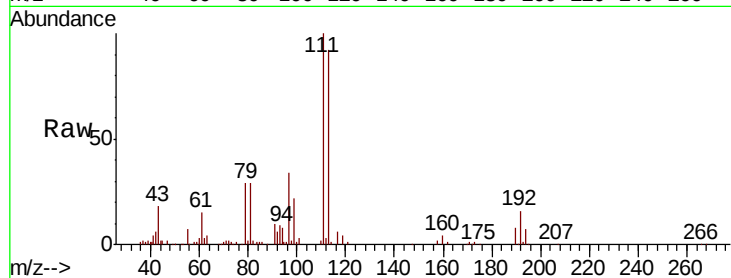




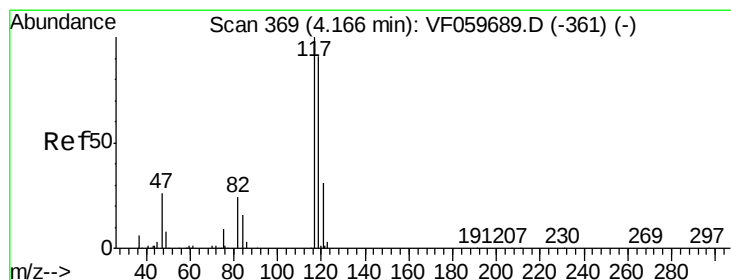
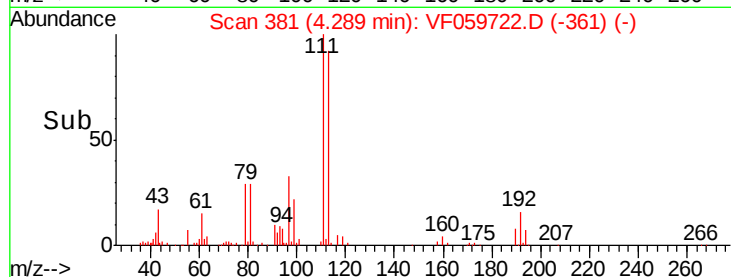
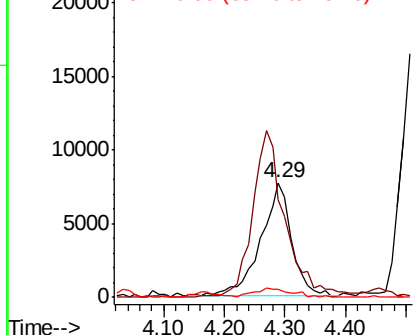
#37
Ethyl Acetate
Concen: 20.982 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 26741
Ion Ratio Lower Upper
43 100
61 84.6 58.2 87.2
70 7.6 6.0 9.0

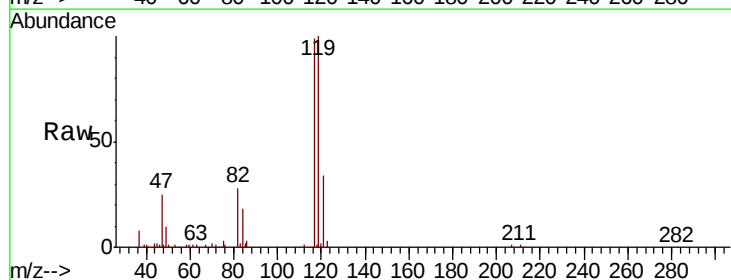


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

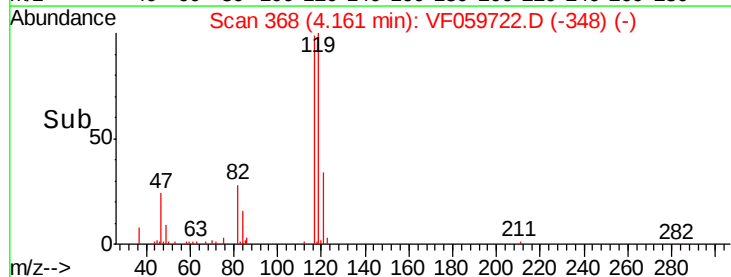
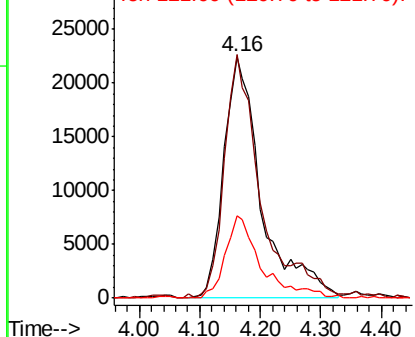


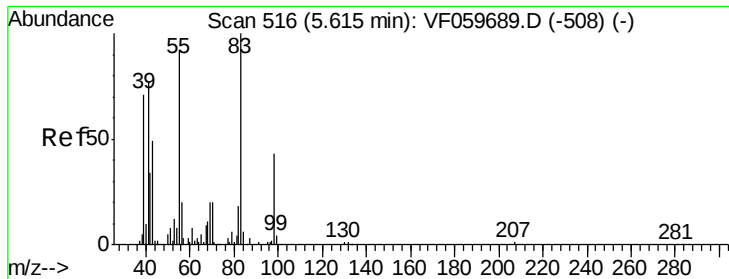
#38
Carbon Tetrachloride
Concen: 27.155 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion:117 Resp: 97730
Ion Ratio Lower Upper
117 100
119 100.9 72.9 109.3
121 34.3 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

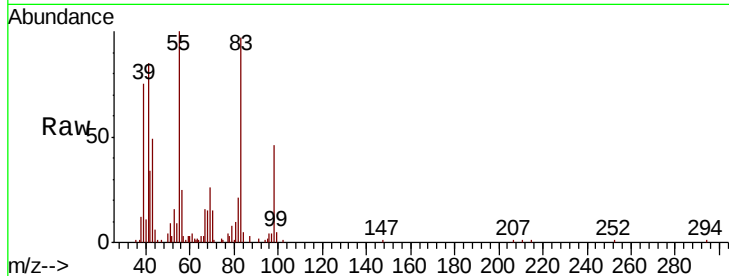




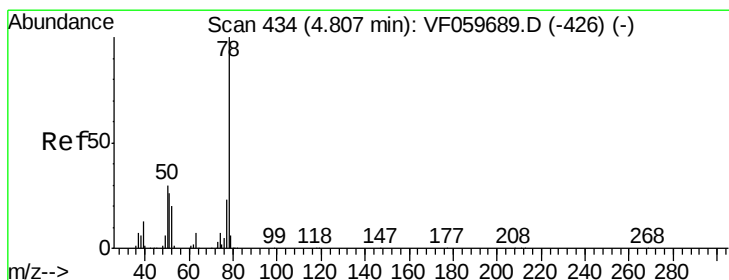
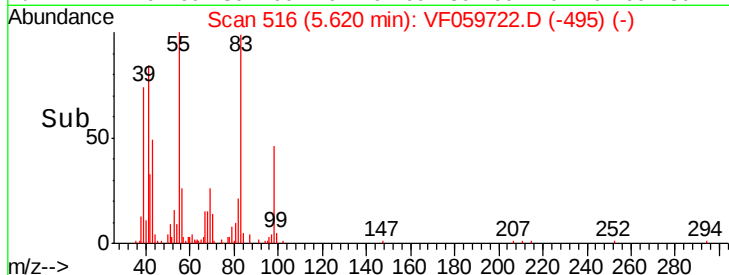
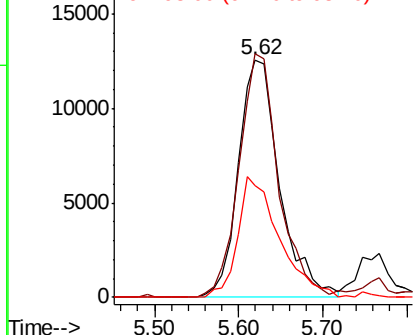
#39
Methvlcvclohexane
Concen: 22.198 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 43000
Ion Ratio Lower Upper
83 100
55 102.6 73.4 110.2
98 47.0 34.2 51.4

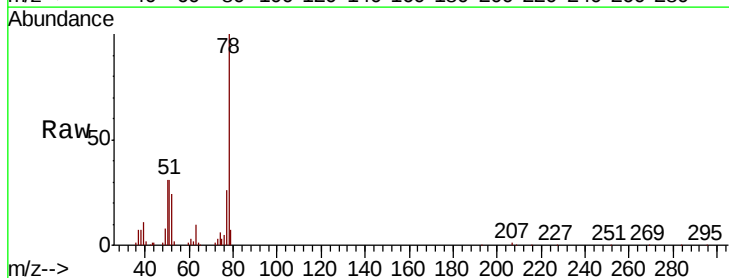


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

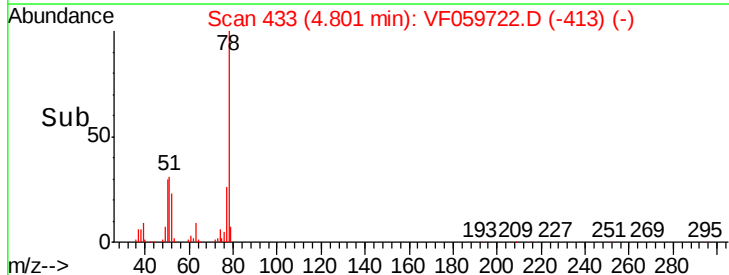
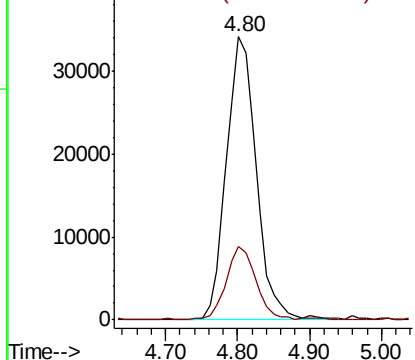


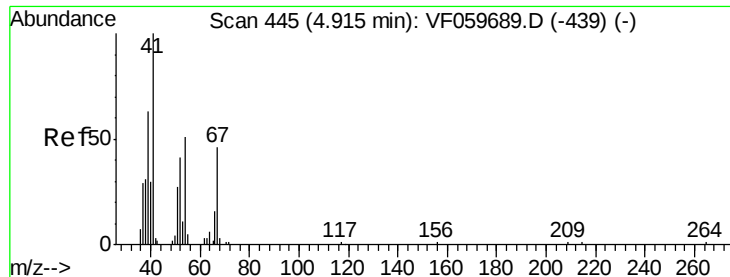
#40
Benzene
Concen: 21.672 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 78 Resp: 99068
Ion Ratio Lower Upper
78 100
77 26.1 18.9 28.3



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

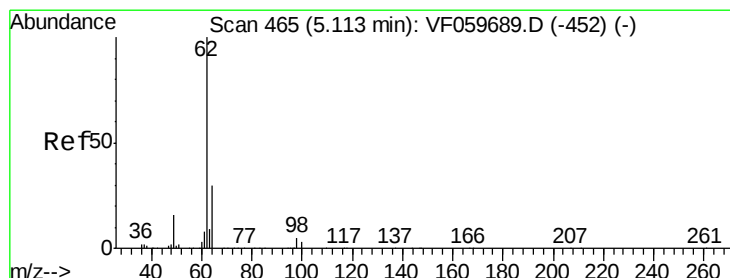
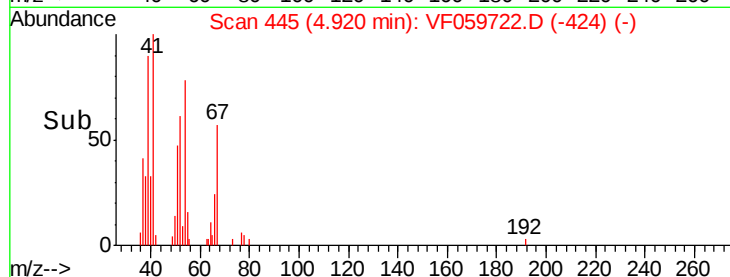
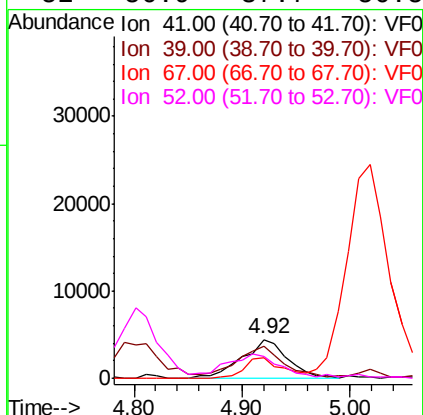
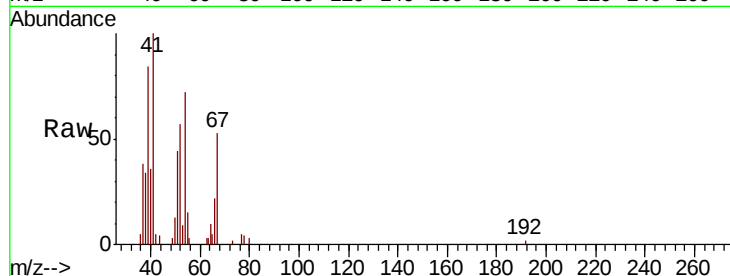




#41
Methacrylonitrile
Concen: 20.962 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

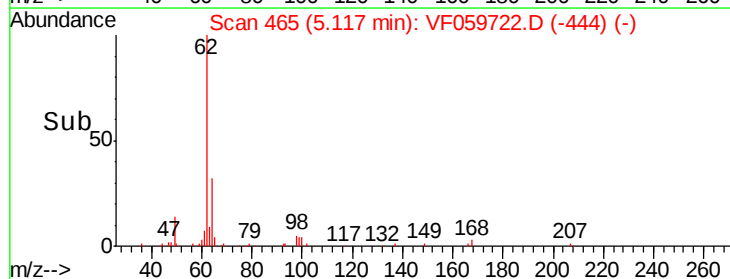
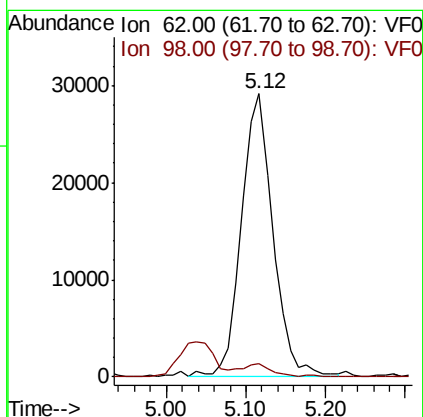
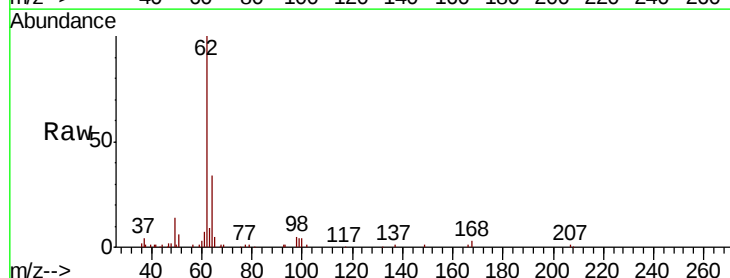
Instrument :
MSVOA_F
ClientSampleId :

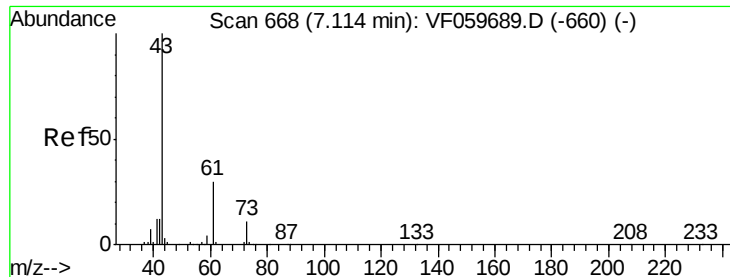
Tot Ion: 41 Resp: 12874
Ion Ratio Lower Upper
41 100
39 84.0 55.2 82.8#
67 53.3 36.2 54.2
52 56.9 37.7 56.5#



#42
1,2-Dichloroethane
Concen: 24.947 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 62 Resp: 79808
Ion Ratio Lower Upper
62 100
98 4.6 0.0 9.6



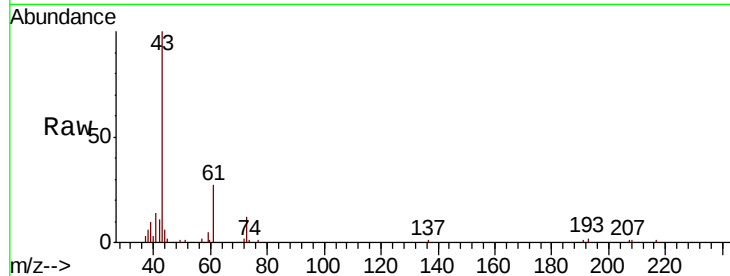


#43

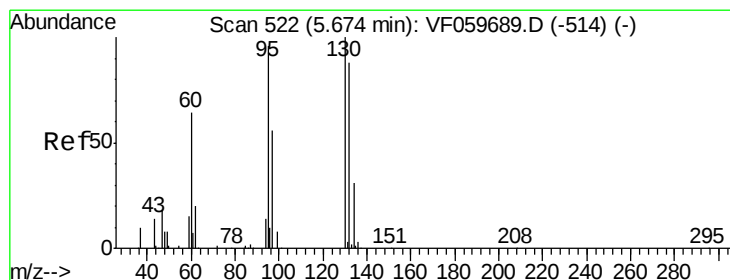
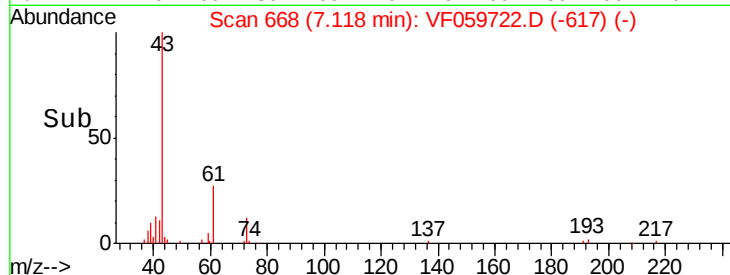
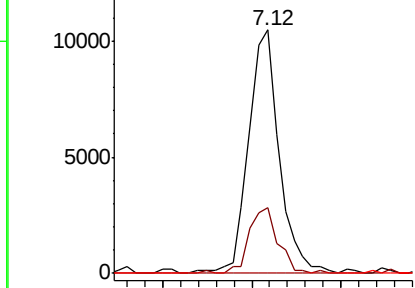
Isopropyl Acetate
 Concen: 18.360 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	43	Resp	24850
Ion Ratio	Lower	Upper	
43	100		
61	26.8	23.8	35.8
87	0.0	0.6	1.0#



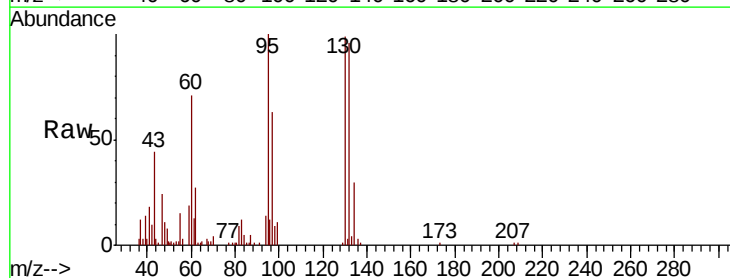
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



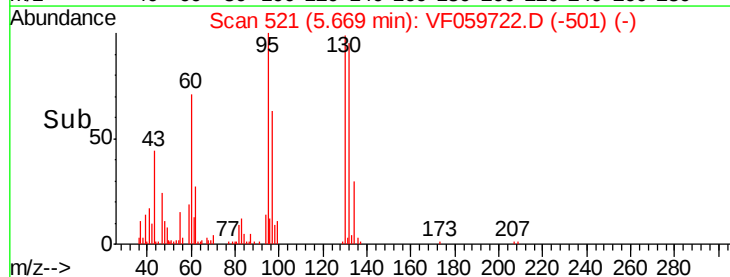
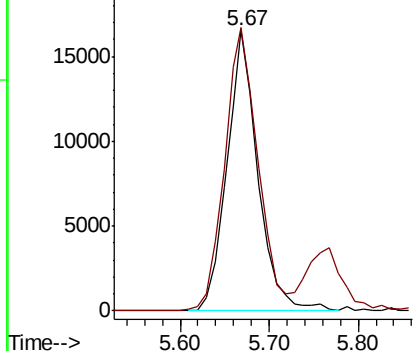
#44

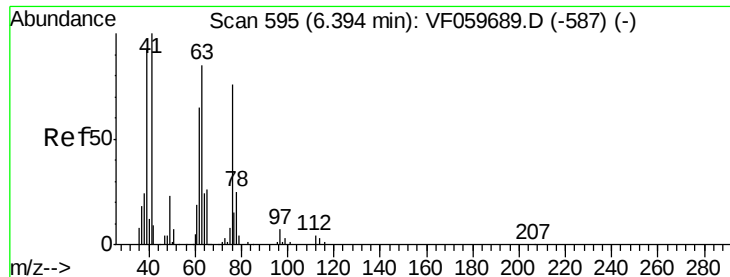
Trichloroethene
 Concen: 23.244 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Tgt Ion	130	Resp	39954
Ion Ratio	Lower	Upper	
130	100		
95	100.9	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: 22.495 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

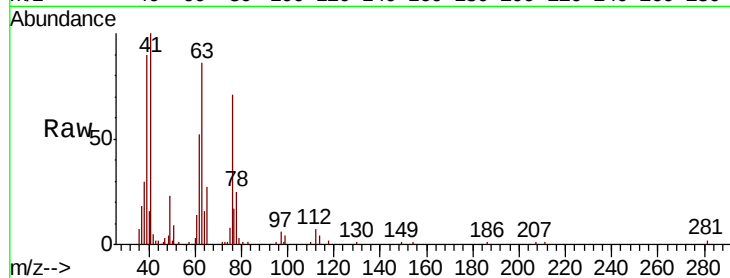
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 27156

Ion Ratio Lower Upper

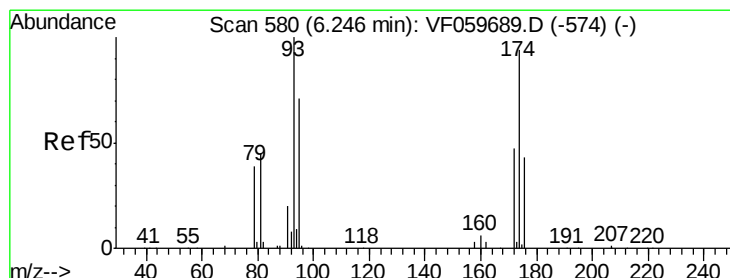
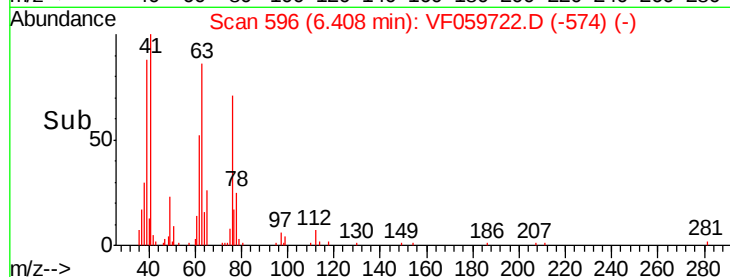
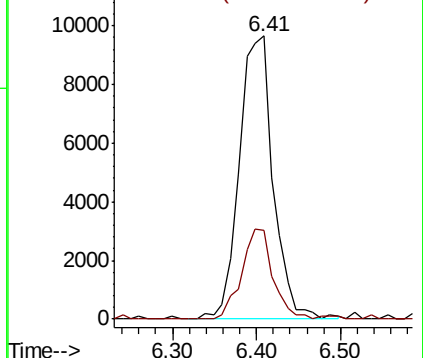
63 100

65 31.5 25.2 37.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 24.360 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

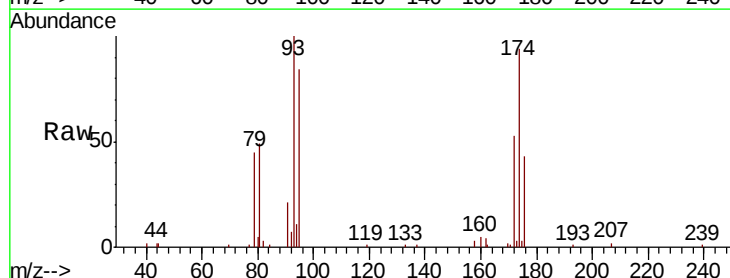
Tgt Ion: 93 Resp: 27919

Ion Ratio Lower Upper

93 100

95 83.7 57.1 85.7

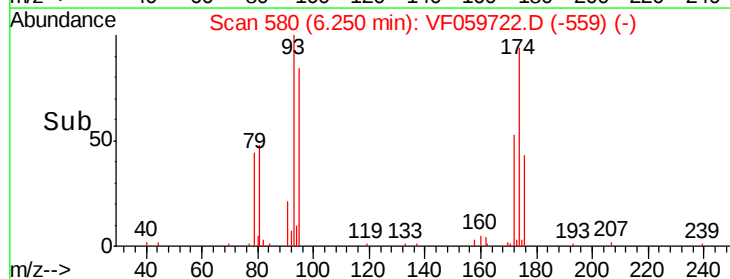
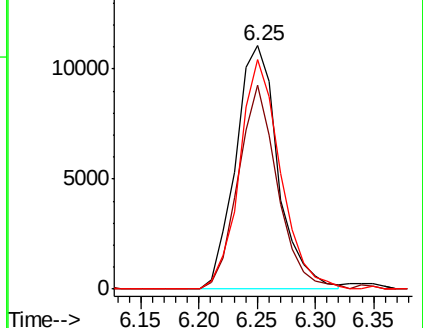
174 94.4 74.8 112.2

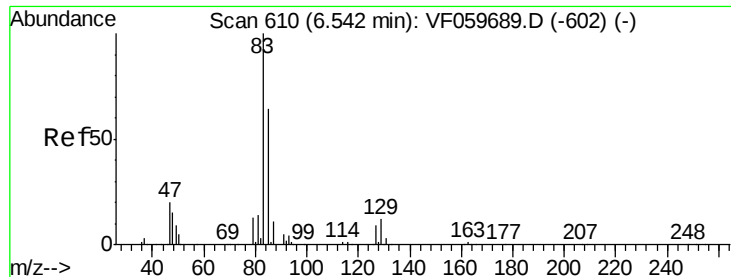


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 24.418 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

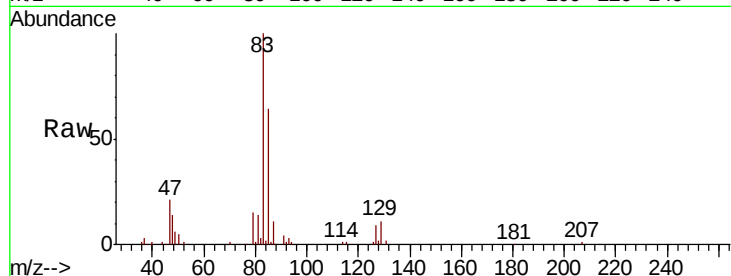
Tot Ion: 83 Resp: 76212

Ion Ratio Lower Upper

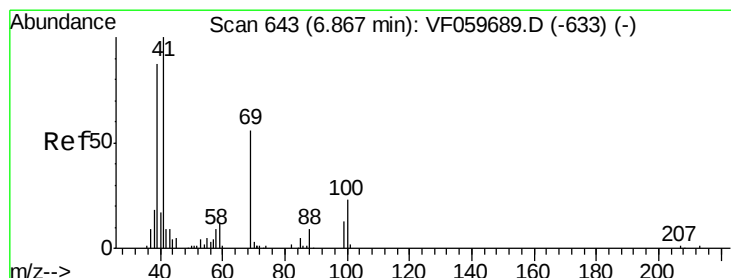
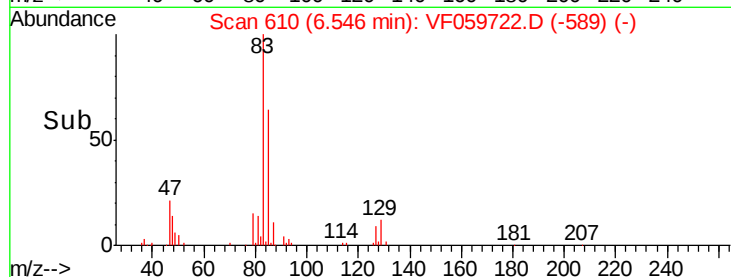
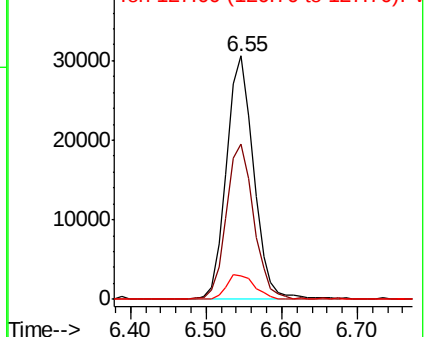
83 100

85 63.7 51.0 76.6

127 9.4 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: 17.838 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

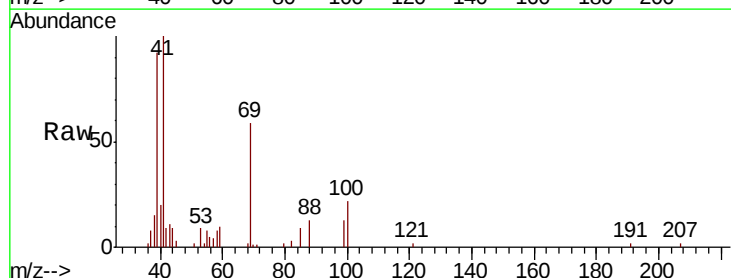
Tgt Ion: 41 Resp: 18160

Ion Ratio Lower Upper

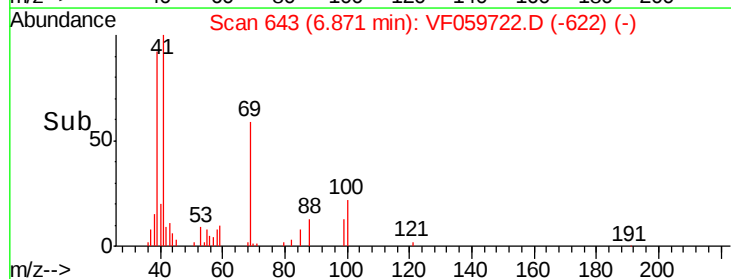
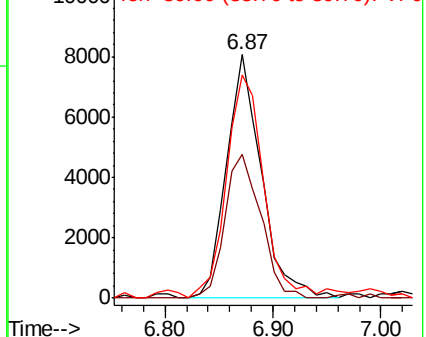
41 100

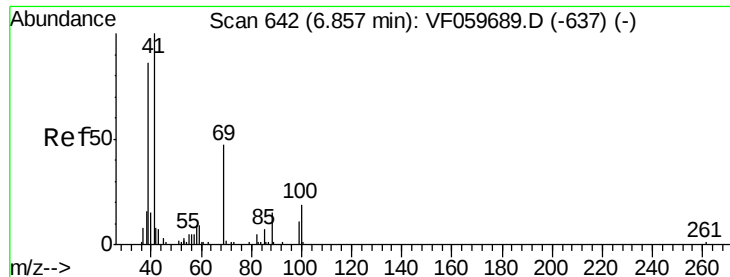
69 59.2 44.4 66.6

39 91.7 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: 410.236 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

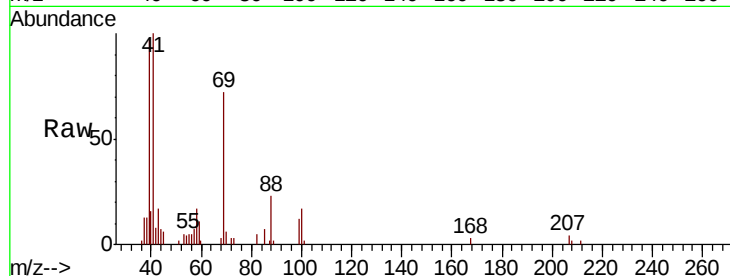
Tot Ion: 88 Resp: 2844

Ion Ratio Lower Upper

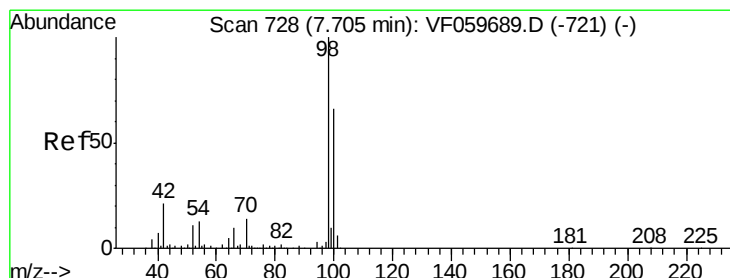
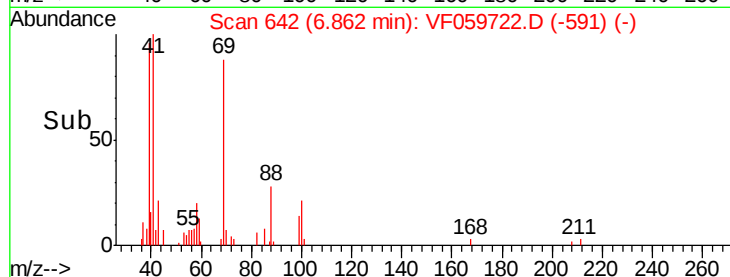
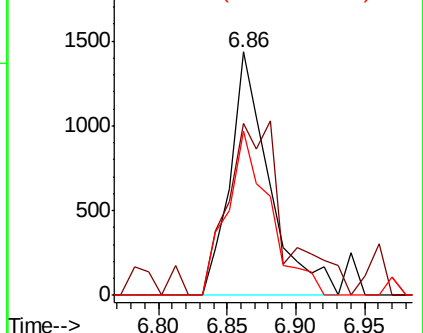
88 100

43 70.5 45.2 67.8#

58 67.6 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: 47.324 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059722.D

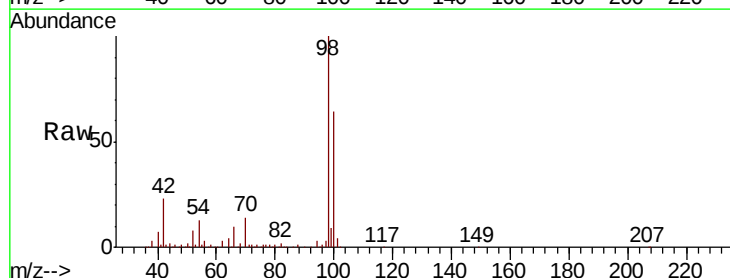
Acq: 31 Jul 2018 21:12

Tgt Ion: 98 Resp: 259457

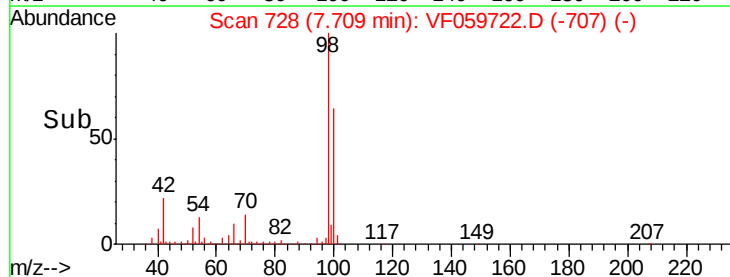
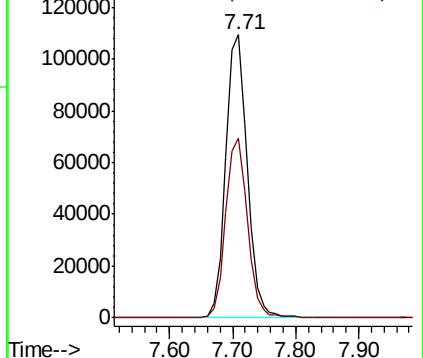
Ion Ratio Lower Upper

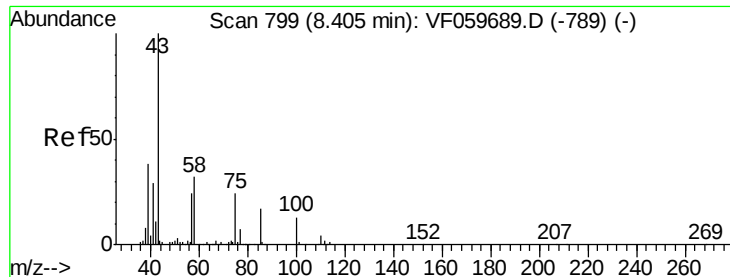
98 100

100 63.7 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: 109.278 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

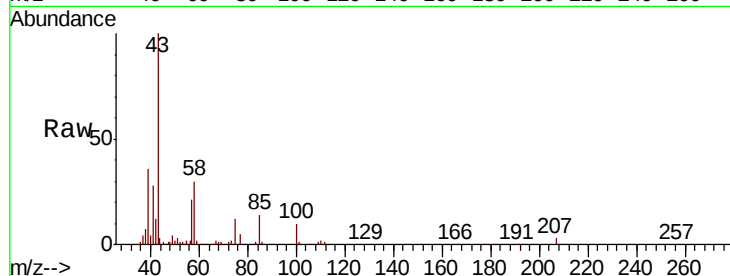
ClientSampleId :

Tot Ion: 43 Resp: 112514

Ion Ratio Lower Upper

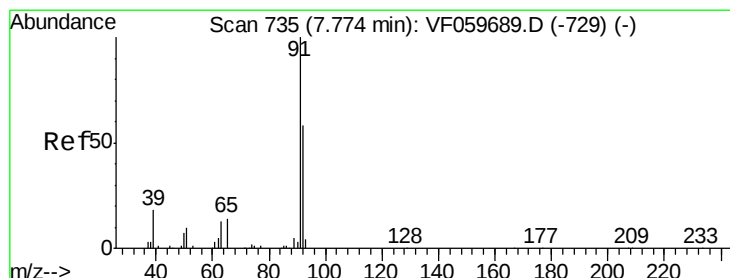
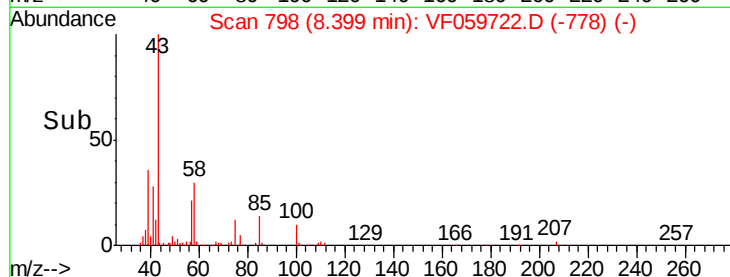
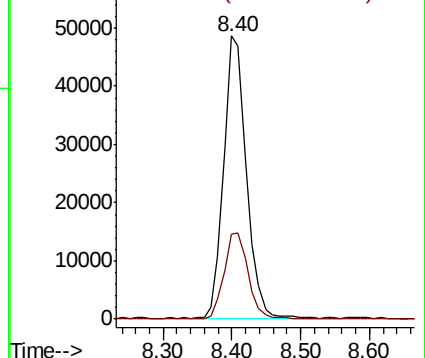
43 100

58 30.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.700 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059722.D

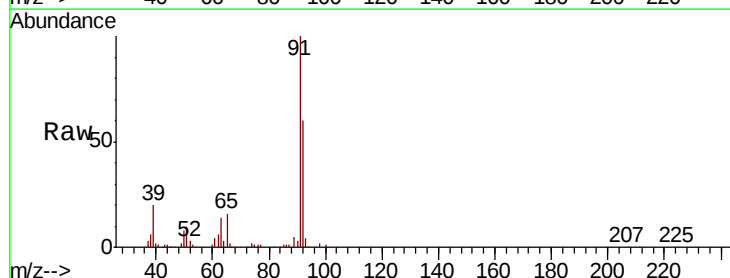
Acq: 31 Jul 2018 21:12

Tgt Ion: 92 Resp: 73465

Ion Ratio Lower Upper

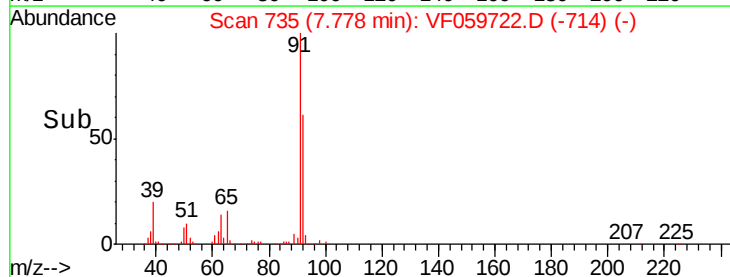
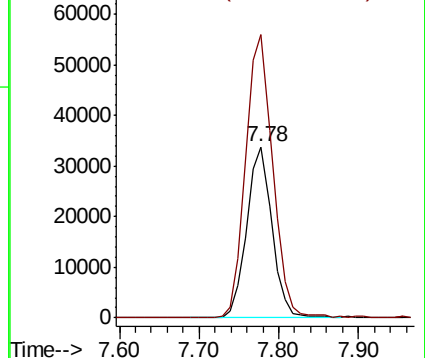
92 100

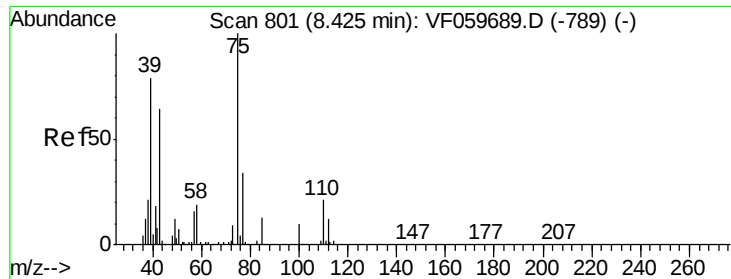
91 165.4 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

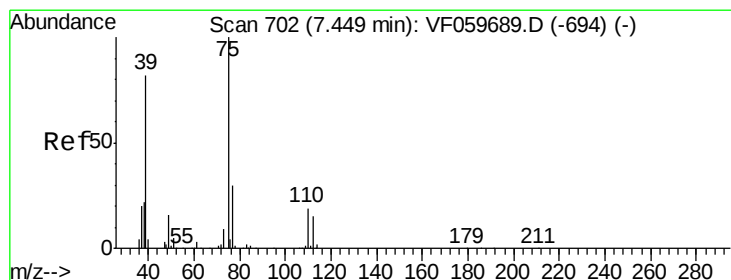
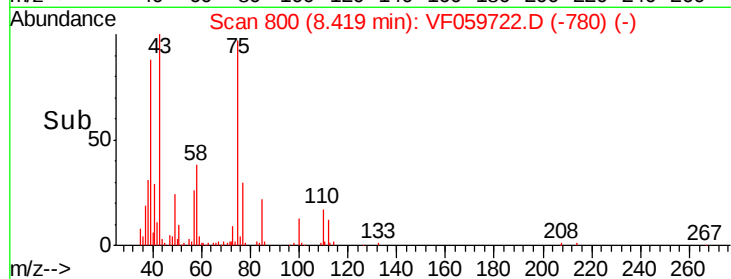
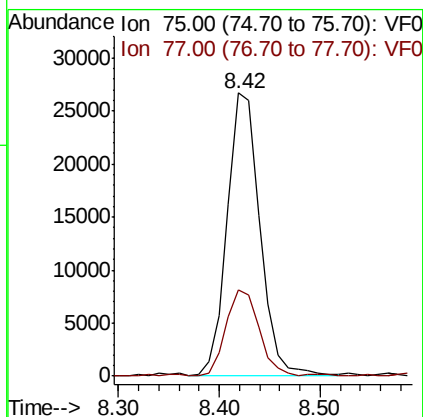
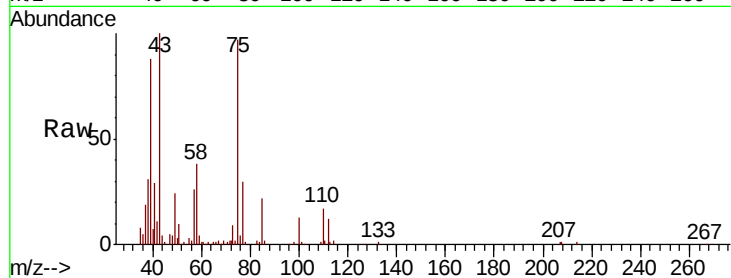




#53
t-1,3-Dichloropropene
Concen: 22.429 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

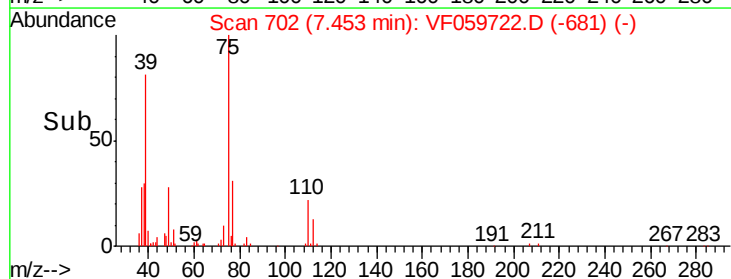
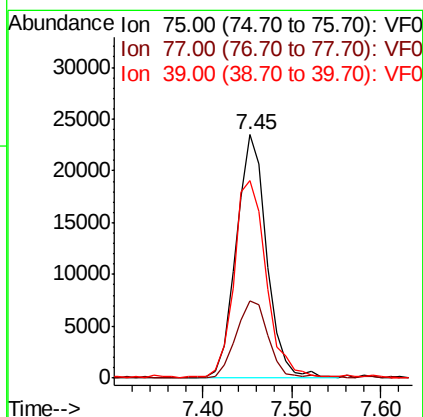
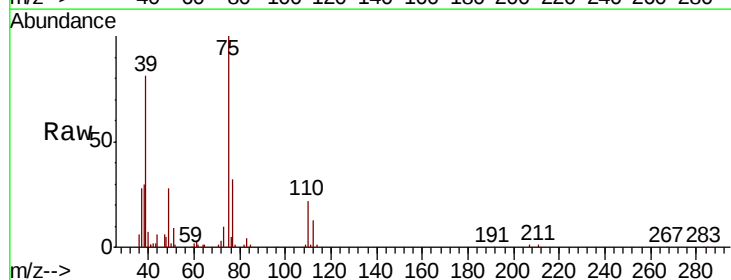
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 60743
Ion Ratio Lower Upper
75 100
77 30.5 27.0 40.4



#54
cis-1,3-Dichloropropene
Concen: 21.351 ug/l
RT: 7.45 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 75 Resp: 56008
Ion Ratio Lower Upper
75 100
77 31.8 24.0 36.0
39 81.3 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 21.674 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 26833

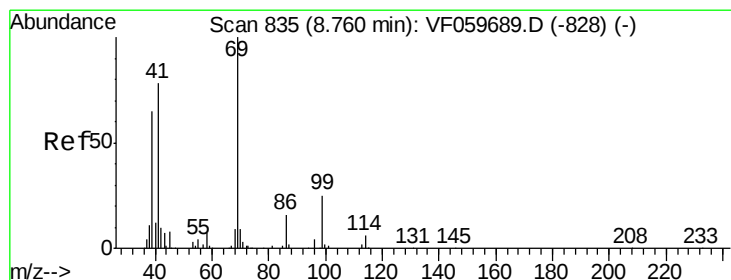
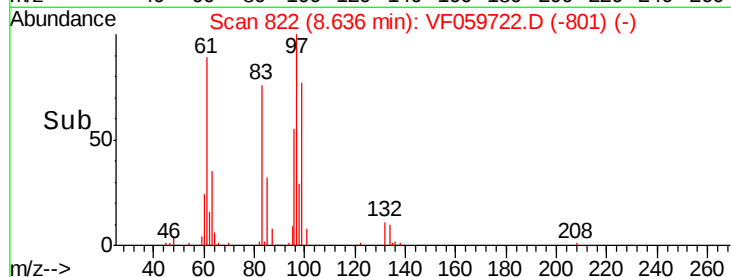
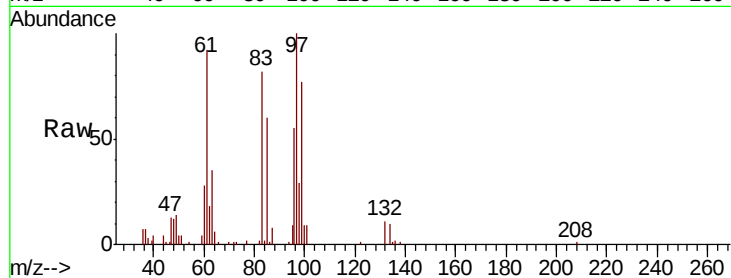
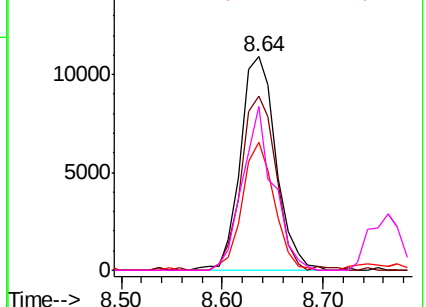
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.6	100.0
85	59.8	47.4	71.0
99	76.7	53.2	79.8

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: 19.225 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

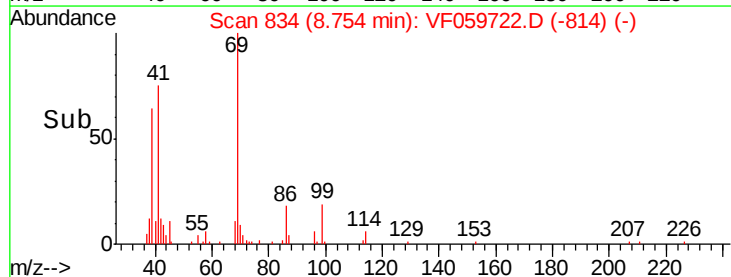
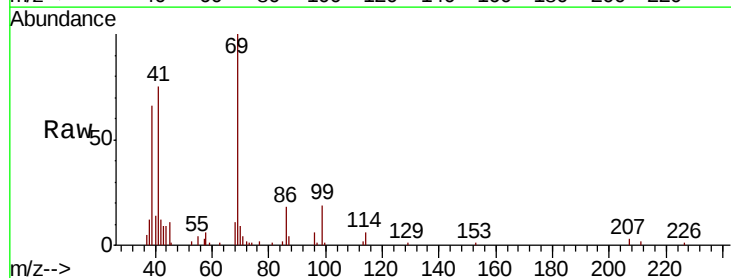
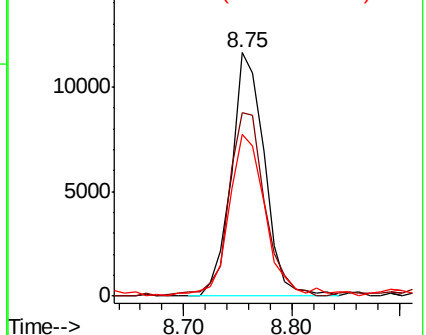
Tgt Ion: 69 Resp: 24822

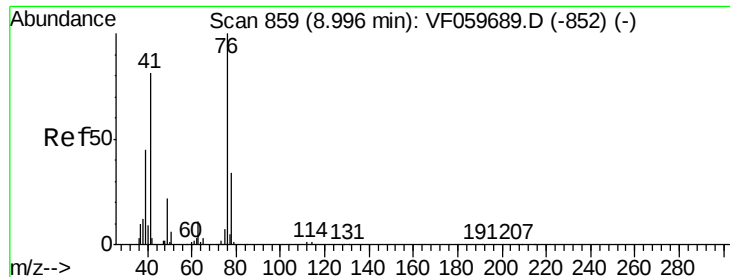
Ion	Ratio	Lower	Upper
69	100		
41	75.3	62.3	93.5
39	66.3	52.4	78.6

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: 22.089 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

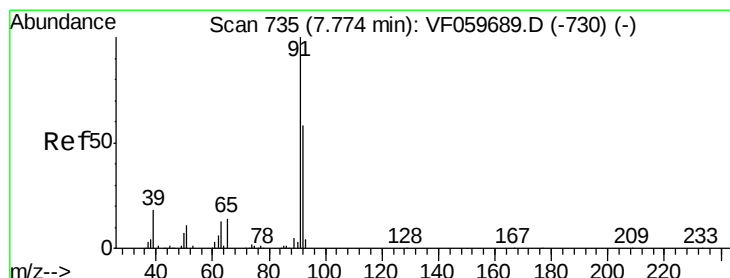
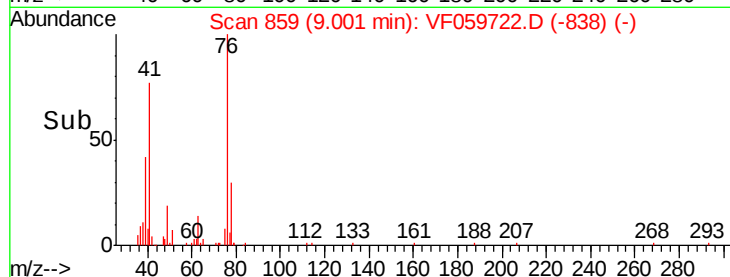
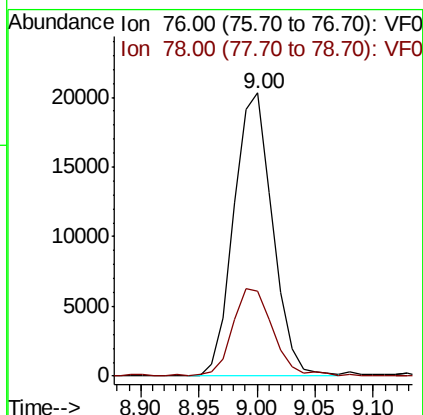
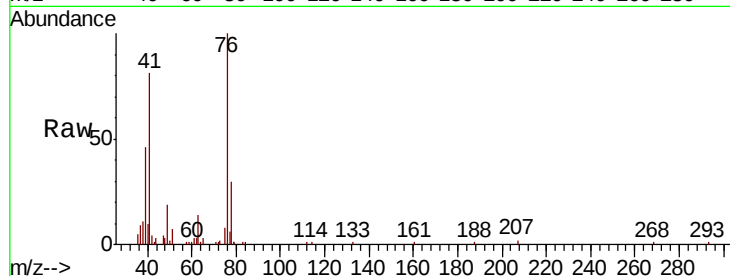
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 46915

Ion Ratio Lower Upper

76 100

78 29.8 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 117.731 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059722.D

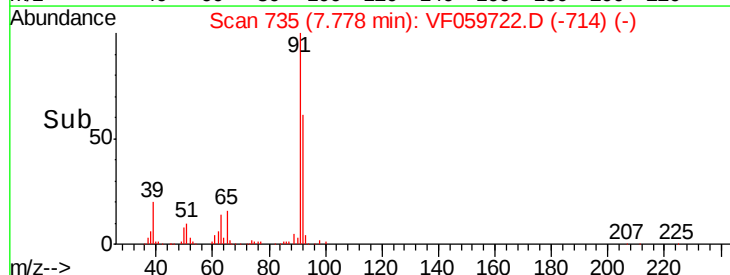
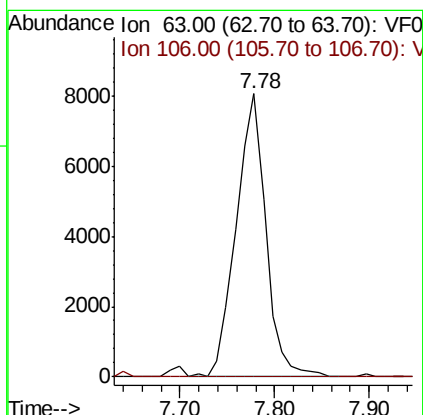
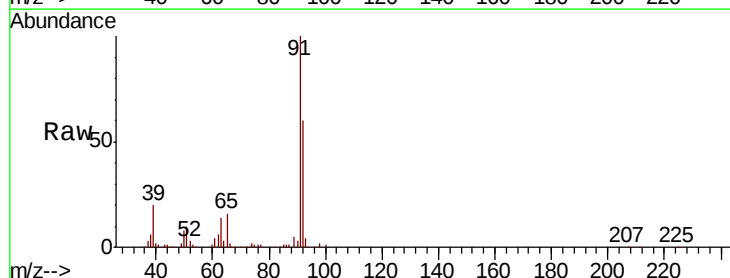
Acq: 31 Jul 2018 21:12

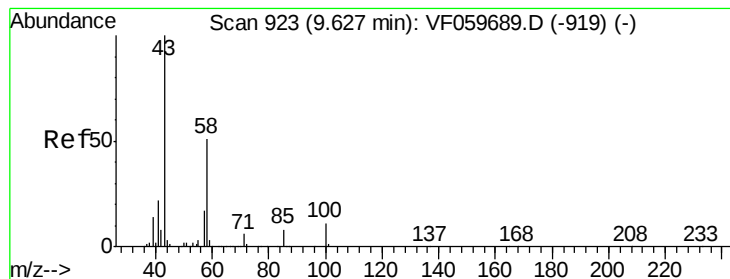
Tgt Ion: 63 Resp: 17550

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 90.480 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

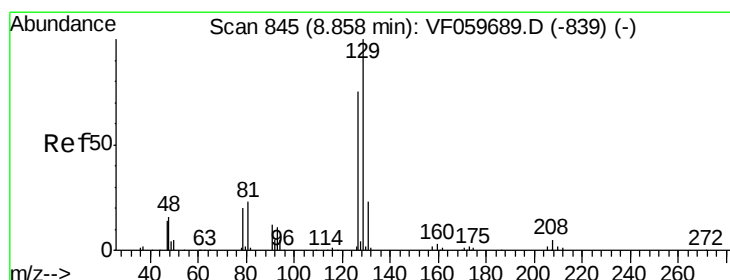
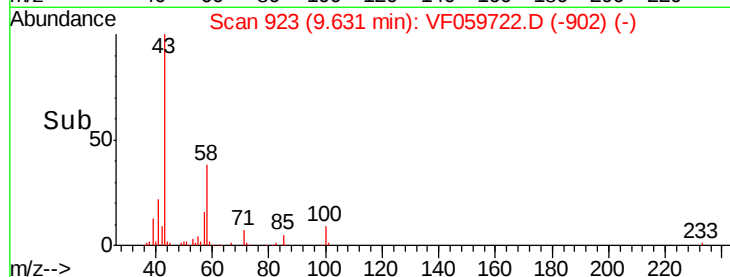
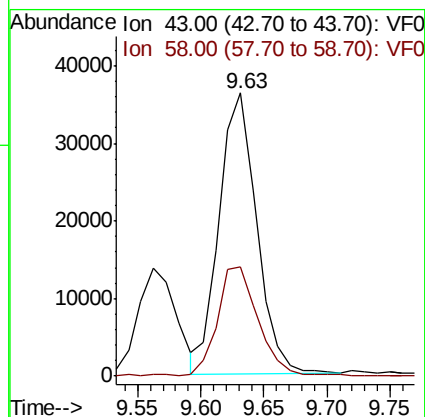
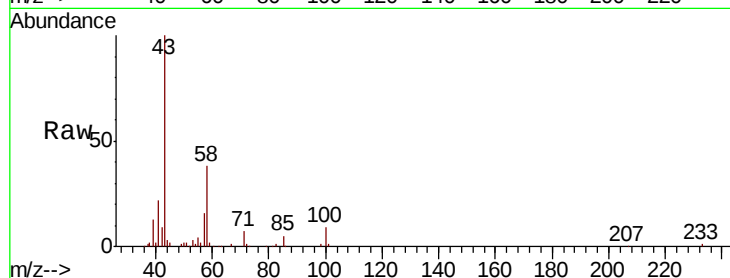
ClientSampled :

Tot Ion: 43 Resp: 74653

Ion Ratio Lower Upper

43 100

58 38.4 23.3 69.8



#60

Dibromochloromethane

Concen: 23.074 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: VF059722.D

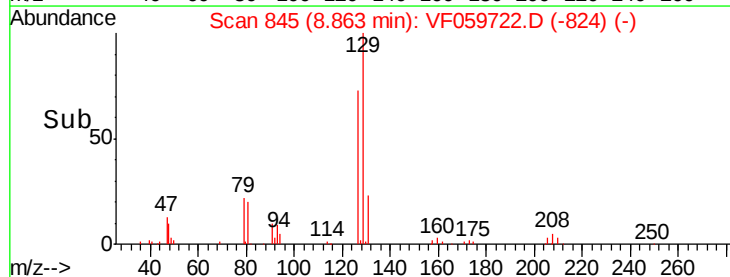
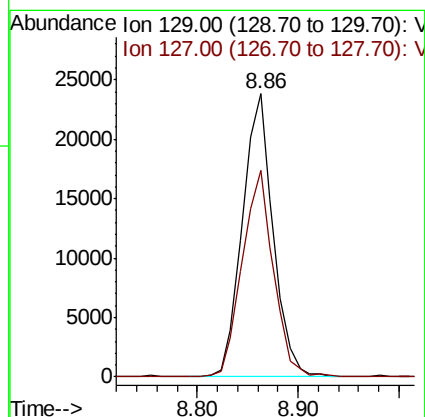
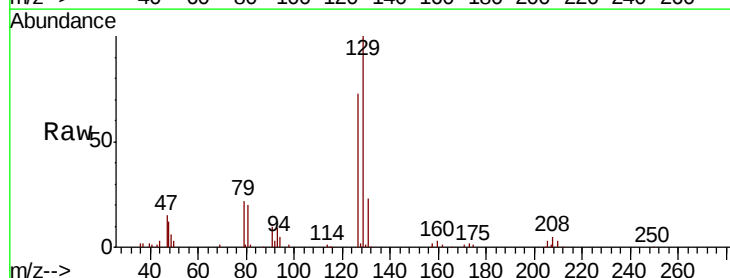
Acq: 31 Jul 2018 21:12

Tgt Ion: 129 Resp: 50406

Ion Ratio Lower Upper

129 100

127 74.9 37.7 113.1





#61

1,2-Dibromoethane

Concen: 22.701 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

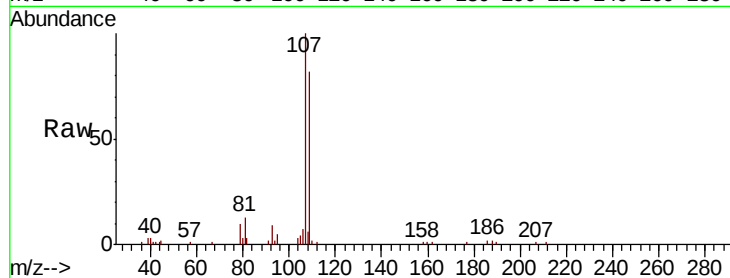
ClientSampleId :

Tot Ion:107 Resp: 32817

Ion Ratio Lower Upper

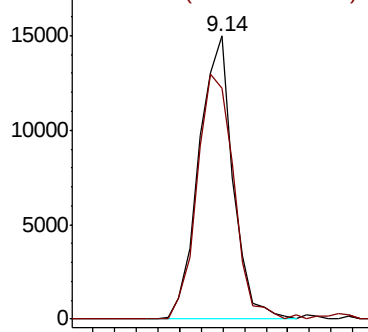
107 100

109 81.7 73.6 110.4

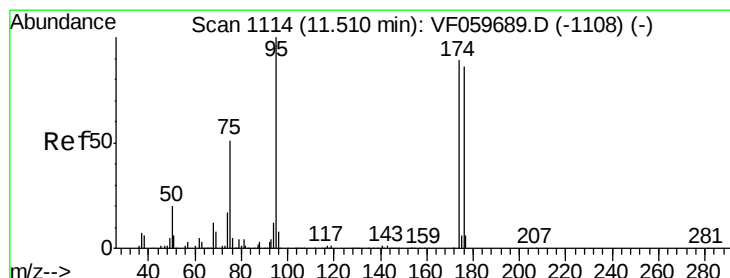
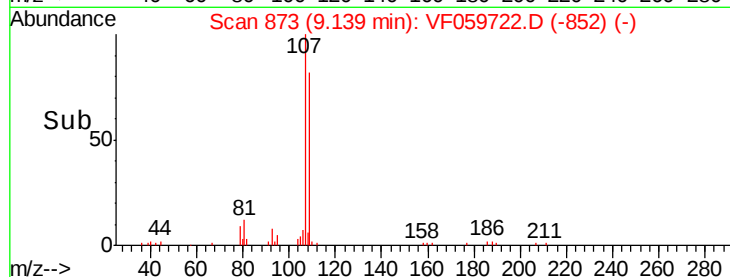


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 51.406 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

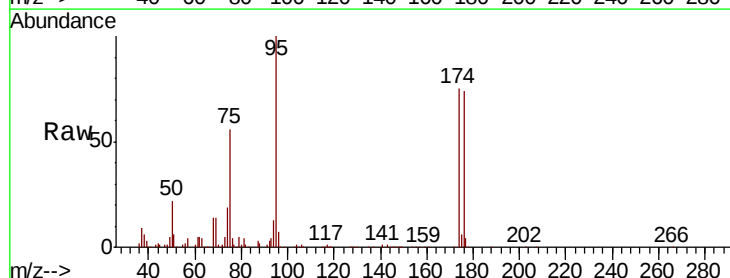
Tgt Ion: 95 Resp: 156024

Ion Ratio Lower Upper

95 100

174 75.0 0.0 178.4

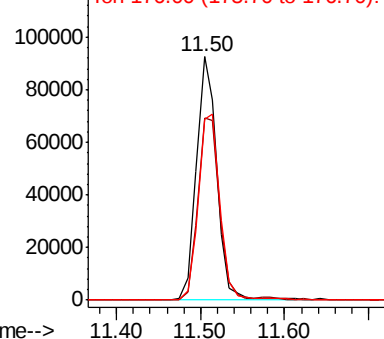
176 74.0 0.0 173.0



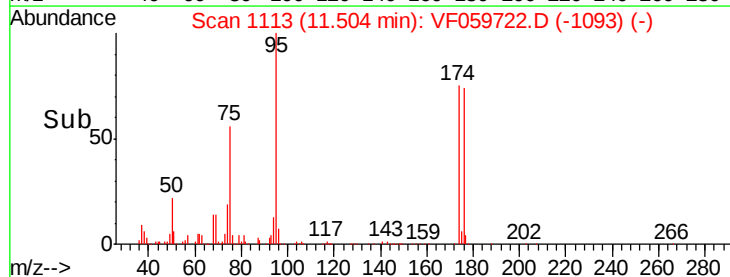
Abundance Ion 95.00 (94.70 to 95.70): VF0

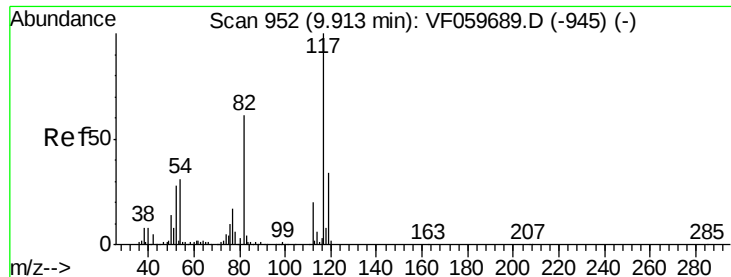
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

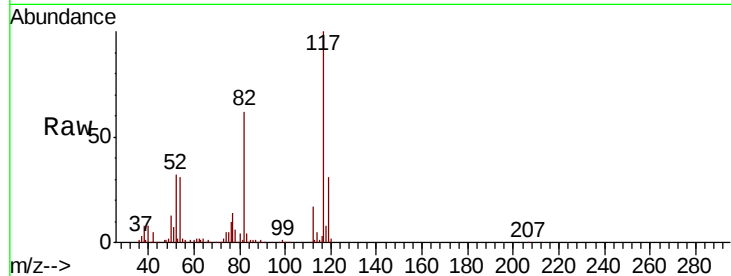




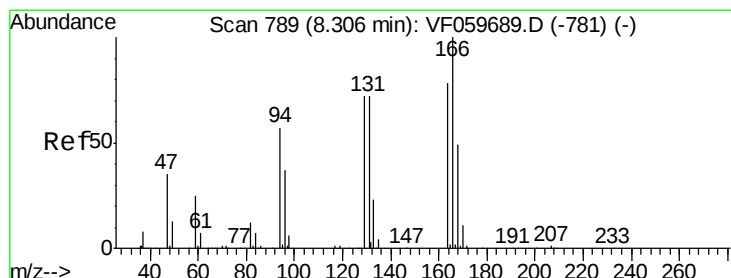
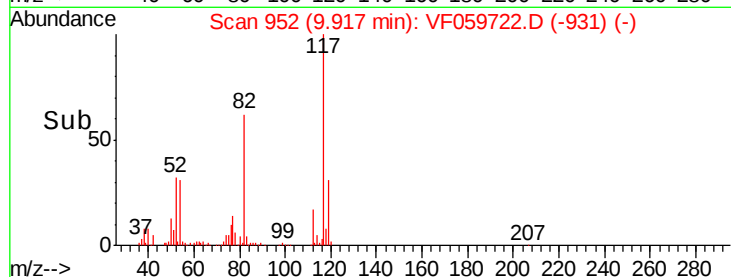
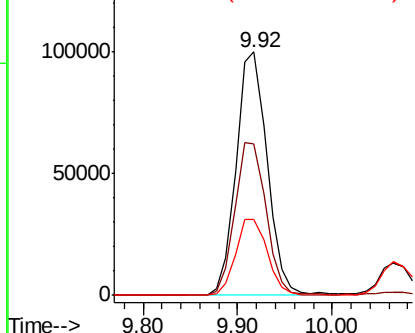
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.0	73.4
119	31.1	27.3	40.9



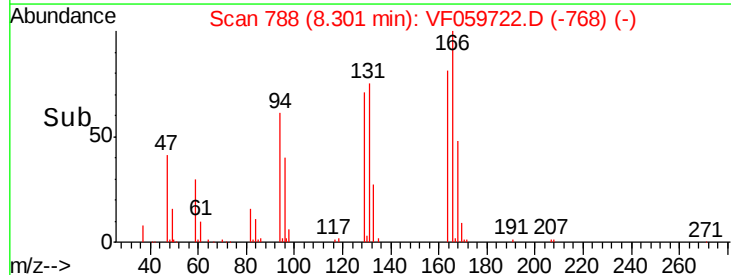
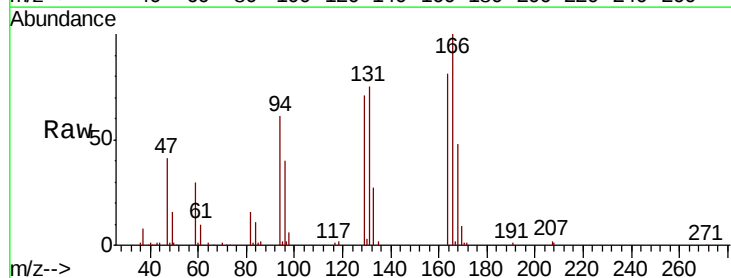
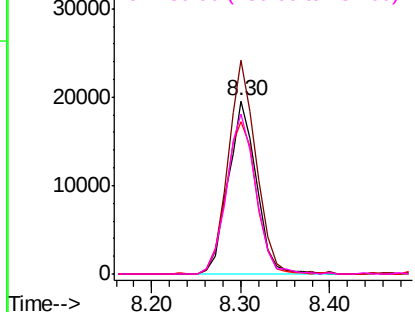
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

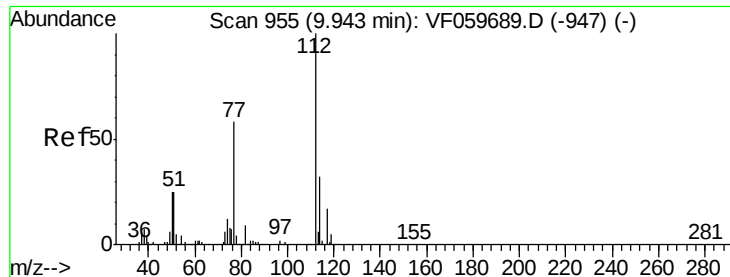


#64
Tetrachloroethene
Concen: 26.185 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	102.1	153.1
129	87.9	73.8	110.6
131	92.6	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

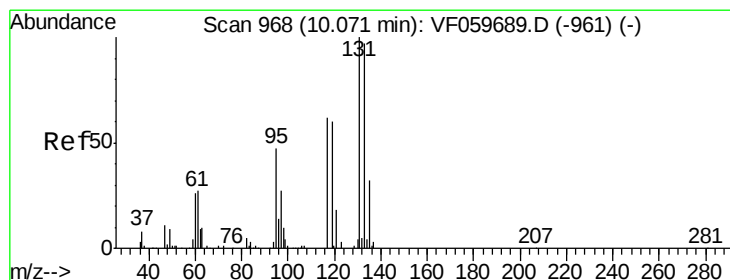
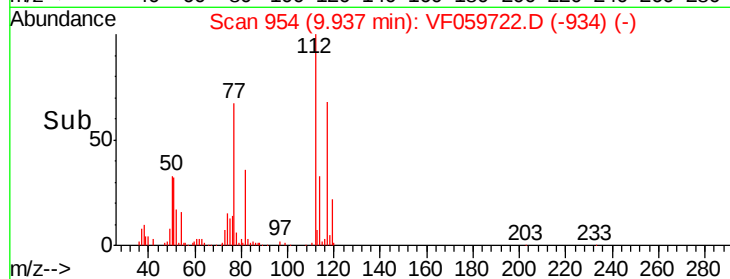
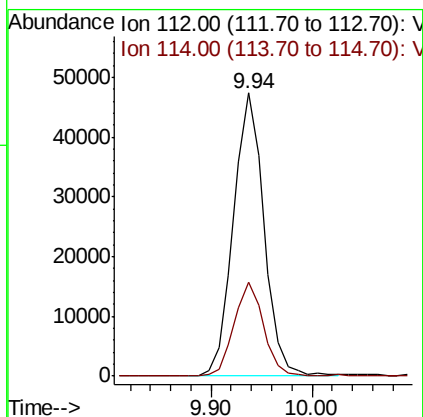
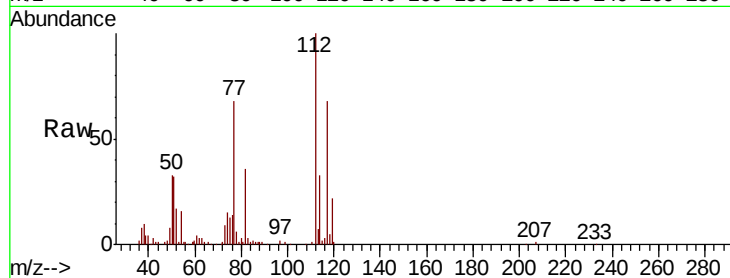




#65
Chlorobenzene
Concen: 21.884 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

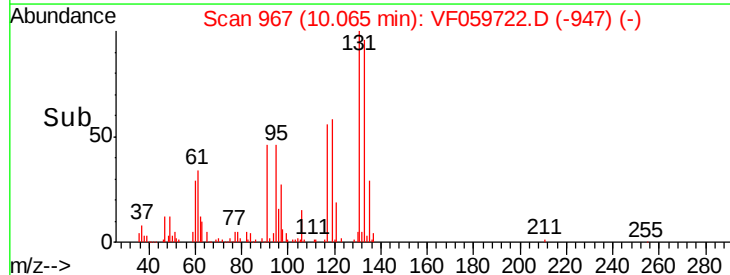
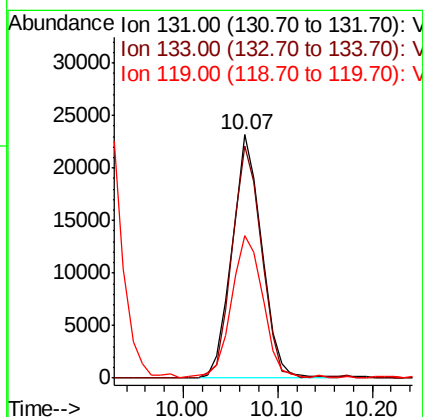
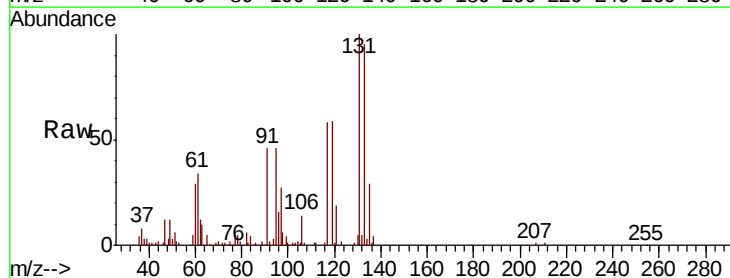
Instrument :
MSVOA_F
ClientSampled :

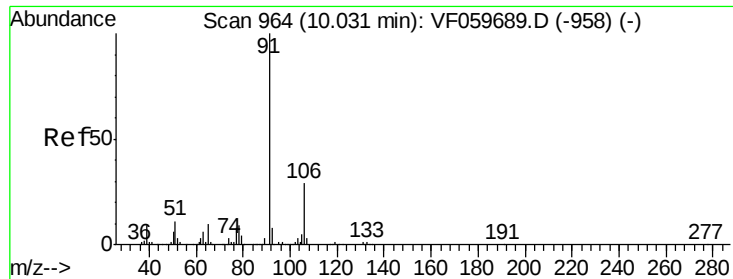
Tot Ion:112 Resp: 99786
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.684 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion:131 Resp: 50419
Ion Ratio Lower Upper
131 100
133 95.3 48.5 145.5
119 58.5 30.3 90.8

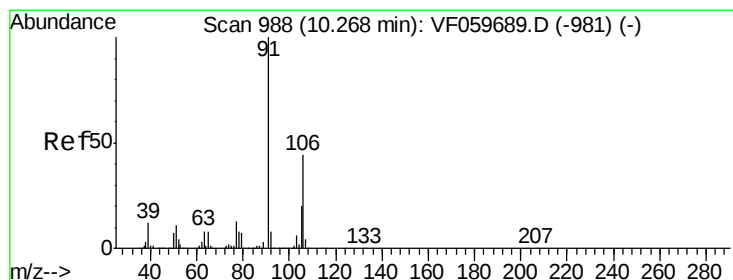
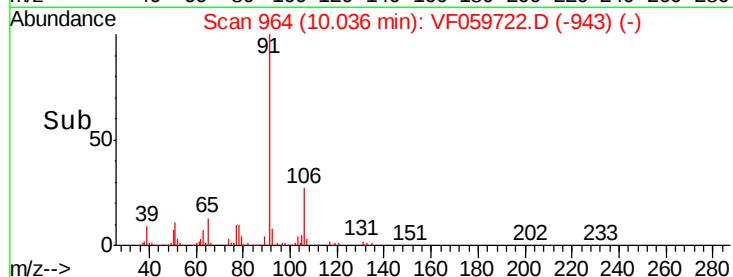
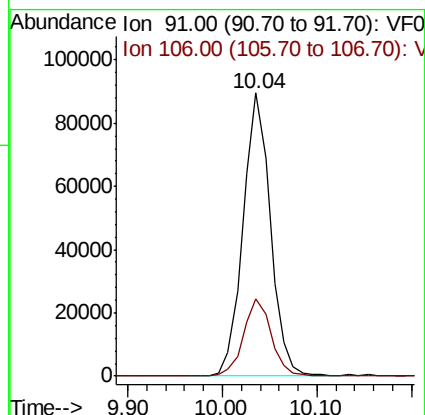
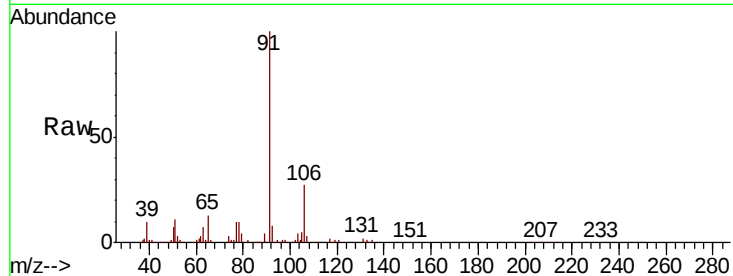




#67
Ethyl Benzene
Concen: 22.783 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

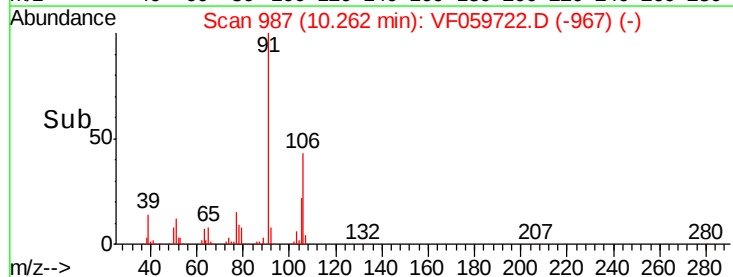
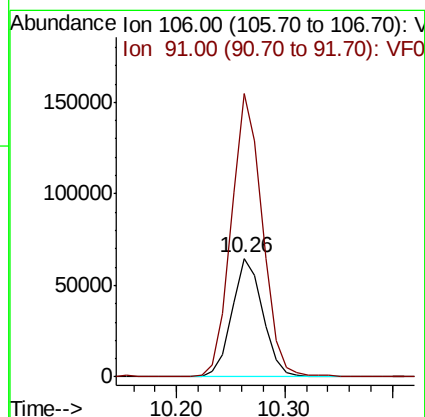
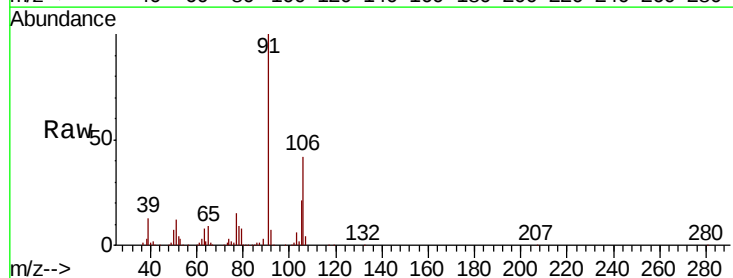
Instrument :
MSVOA_F
ClientSampled :

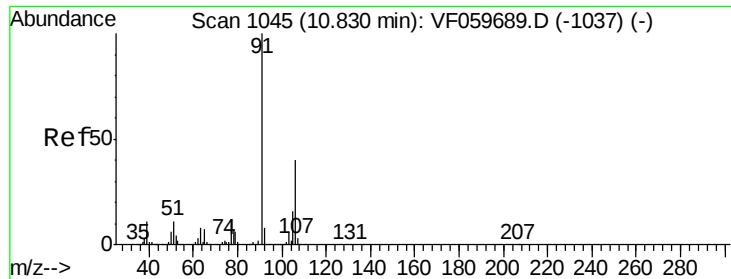
Tot Ion: 91 Resp: 179741
Ion Ratio Lower Upper
91 100
106 27.4 22.9 34.3



#68
m/p-Xylenes
Concen: 48.285 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion: 106 Resp: 129063
Ion Ratio Lower Upper
106 100
91 239.1 181.7 272.5

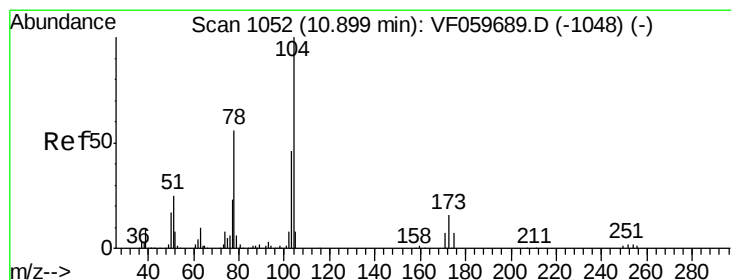
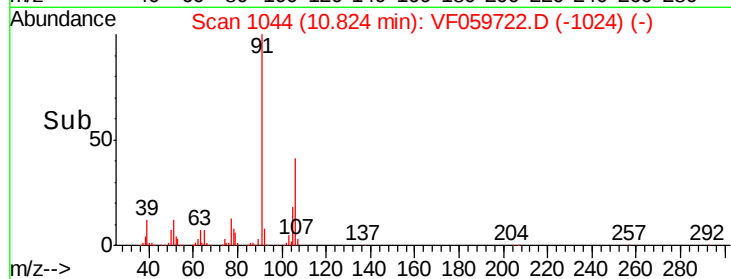
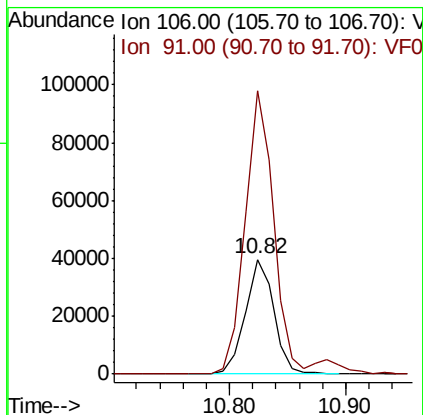
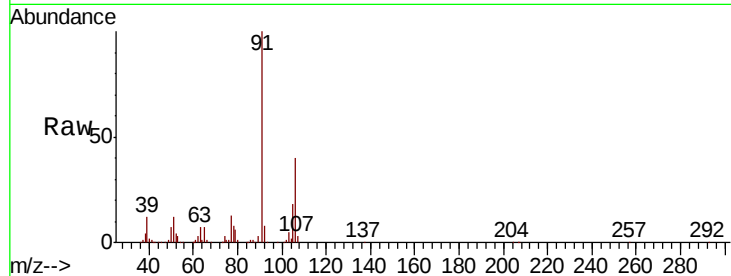




#69
o-Xylene
Concen: 23.201 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

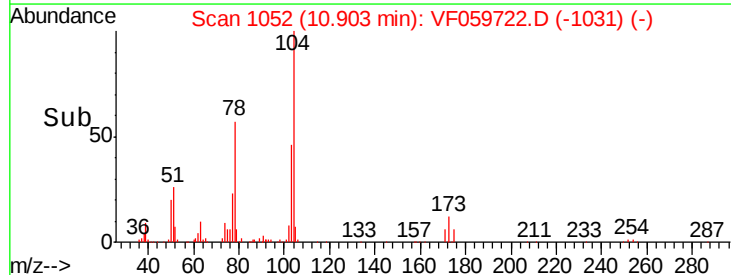
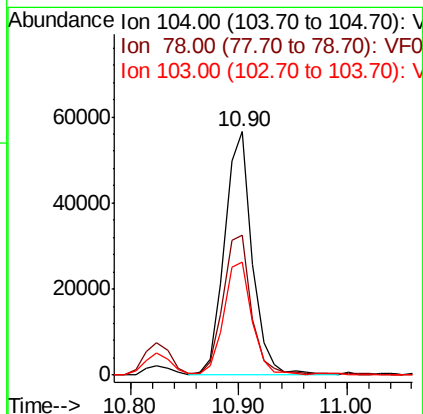
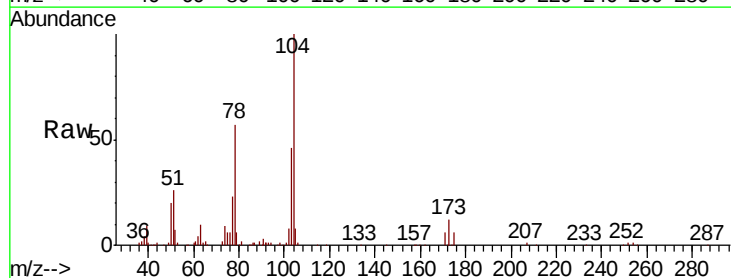
Instrument :
MSVOA_F
ClientSampled :

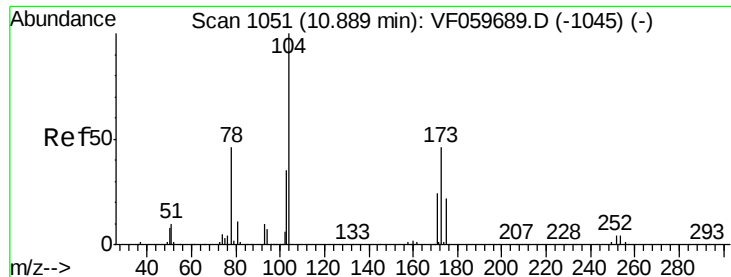
Tot Ion:106 Resp: 67444
Ion Ratio Lower Upper
106 100
91 247.1 124.6 373.7



#70
Styrene
Concen: 22.859 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion:104 Resp: 100667
Ion Ratio Lower Upper
104 100
78 57.3 45.3 67.9
103 46.4 36.6 54.8





#71

Bromoform

Concen: 24.099 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

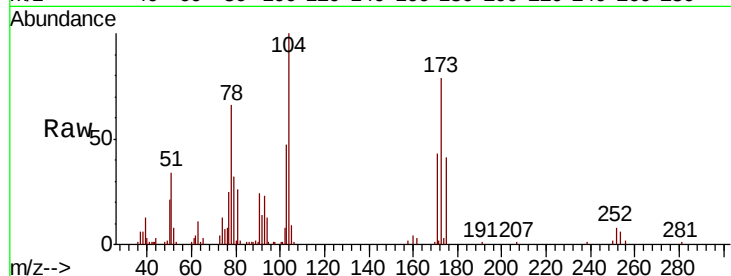
Tot Ion:173 Resp: 33429

Ion Ratio Lower Upper

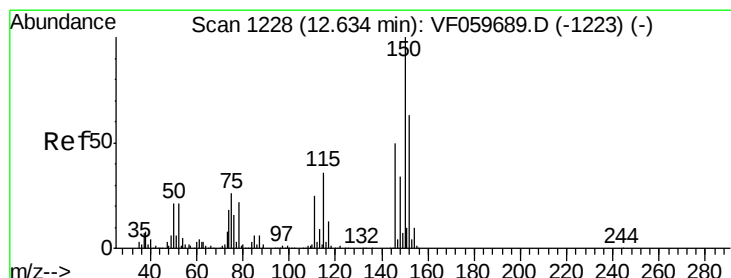
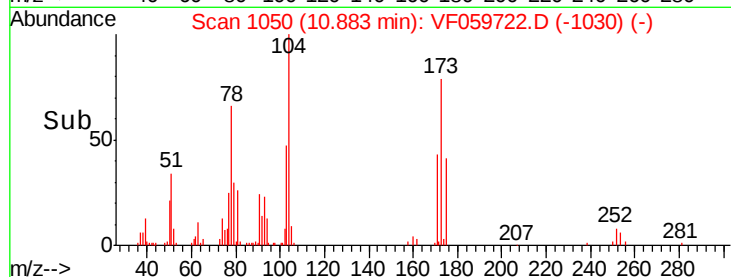
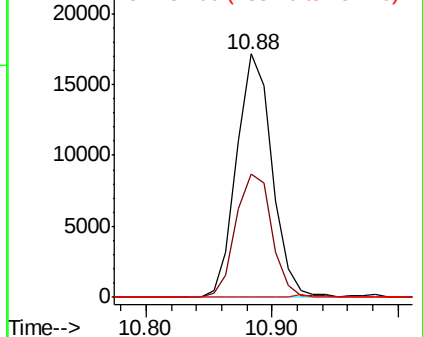
173 100

175 50.6 23.4 70.0

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

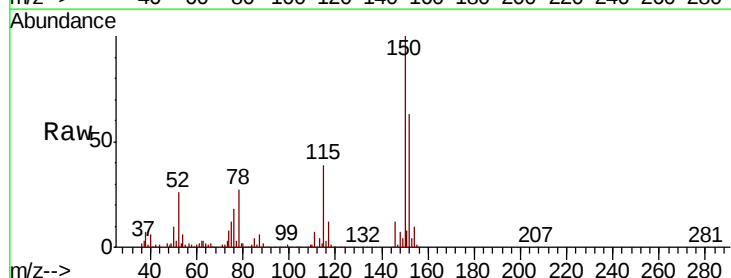
Tgt Ion:152 Resp: 152476

Ion Ratio Lower Upper

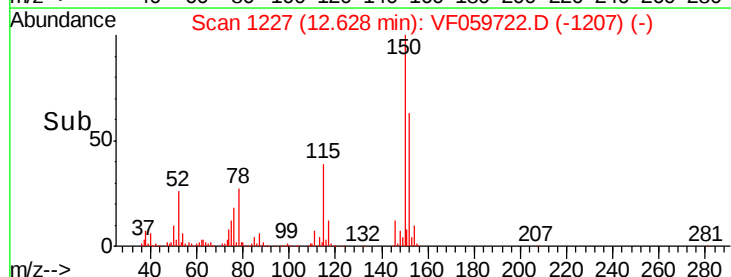
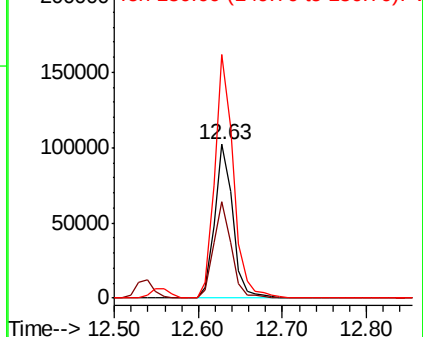
152 100

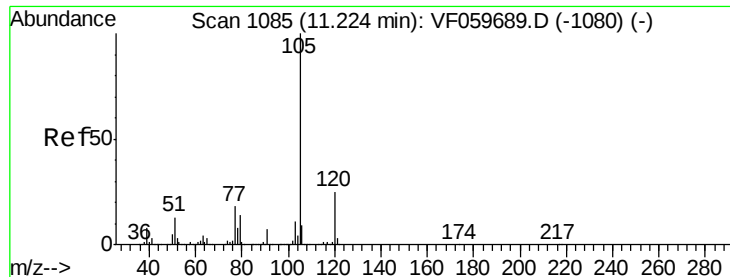
115 62.7 28.2 84.6

150 158.6 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: 21.498 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

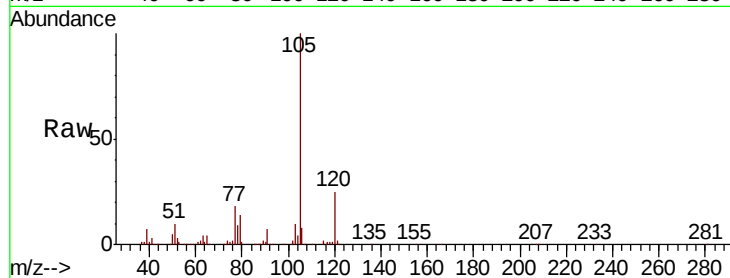
ClientSampled :

Tot Ion:105 Resp: 215083

Ion Ratio Lower Upper

105 100

120 24.8 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

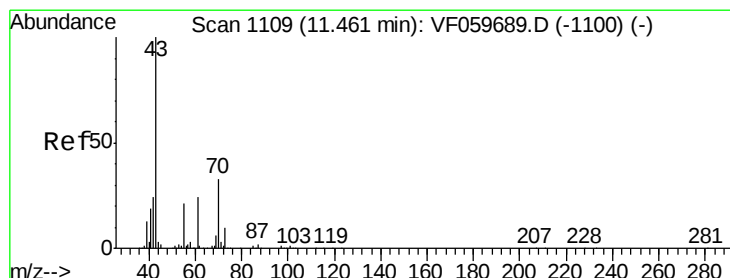
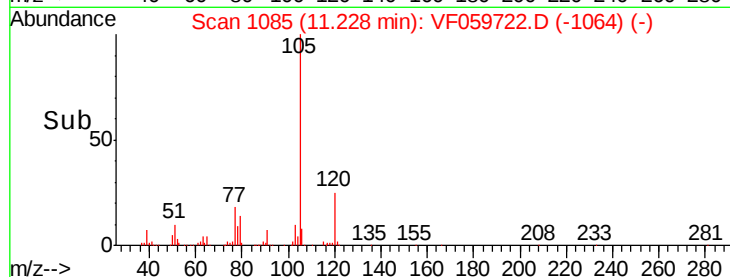
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 18.896 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Tgt Ion: 43 Resp: 47696

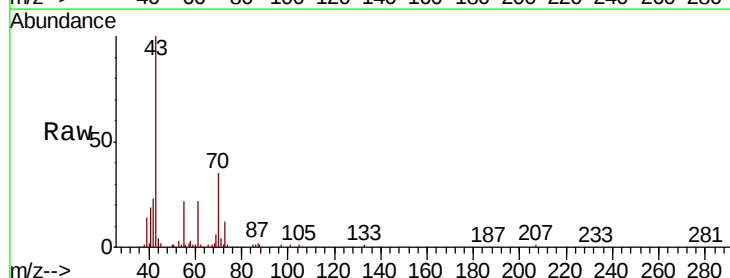
Ion Ratio Lower Upper

43 100

70 35.1 26.3 39.5

55 21.5 16.6 25.0

61 22.4 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

40000

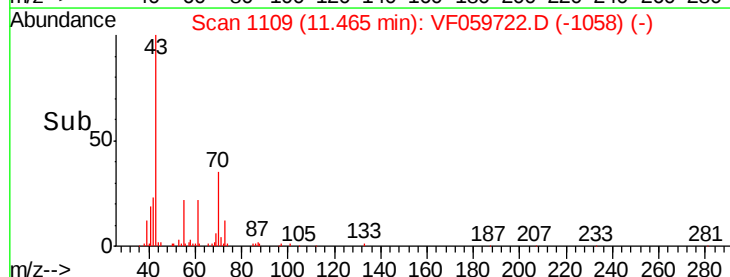
30000

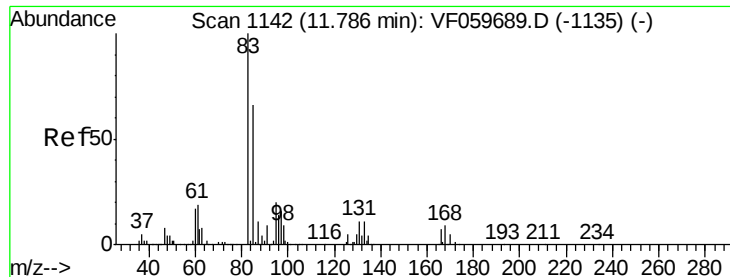
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.754 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

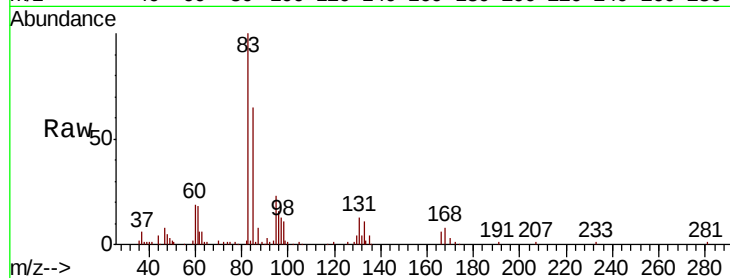
Tot Ion: 83 Resp: 40968

Ion Ratio Lower Upper

83 100

131 12.9 5.8 17.3

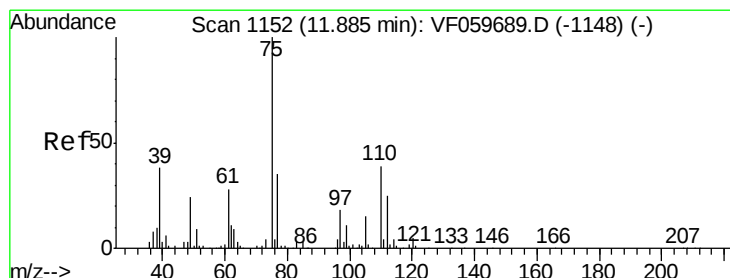
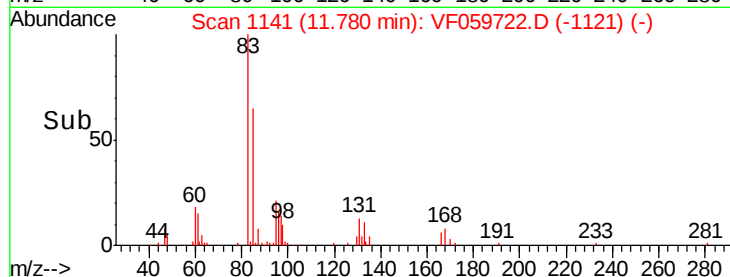
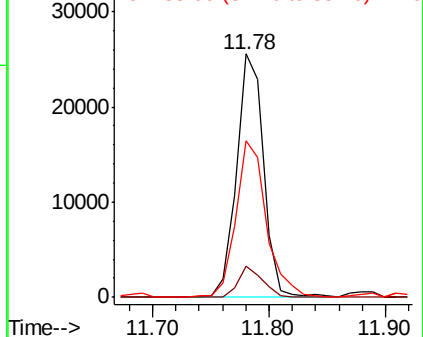
85 64.5 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.477 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059722.D

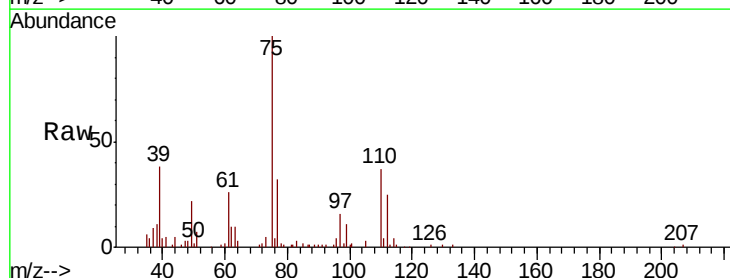
Acq: 31 Jul 2018 21:12

Tgt Ion: 75 Resp: 34394

Ion Ratio Lower Upper

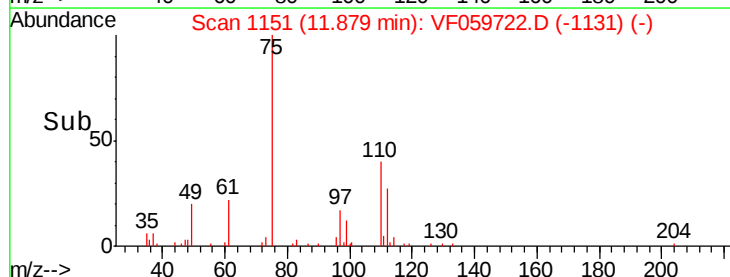
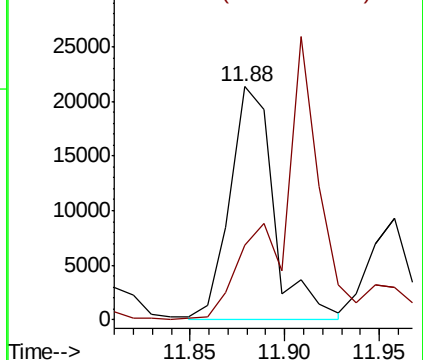
75 100

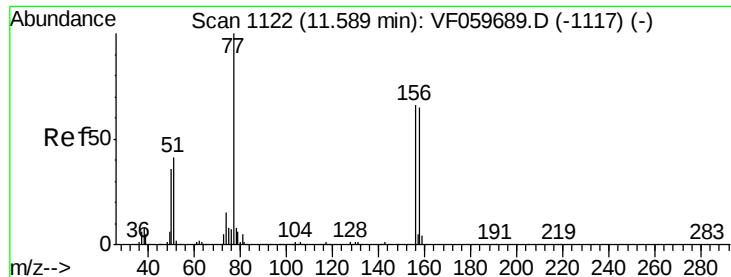
77 32.0 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.484 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

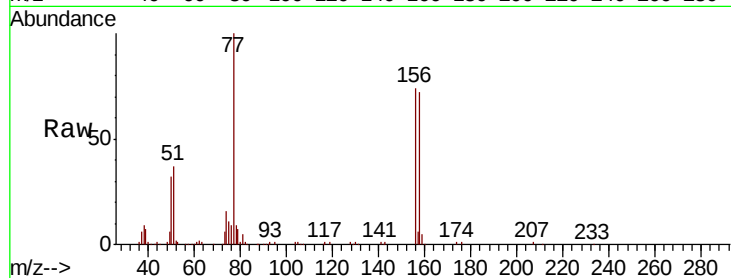
Tot Ion:156 Resp: 56128

Ion Ratio Lower Upper

156 100

77 136.0 75.2 225.6

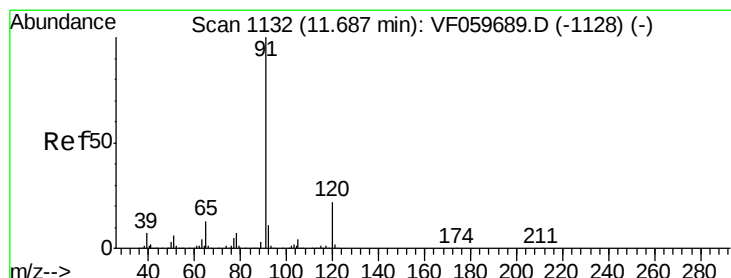
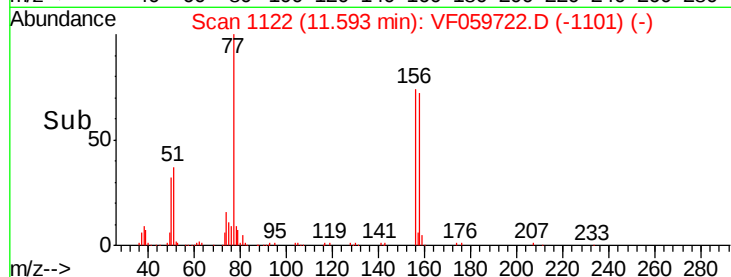
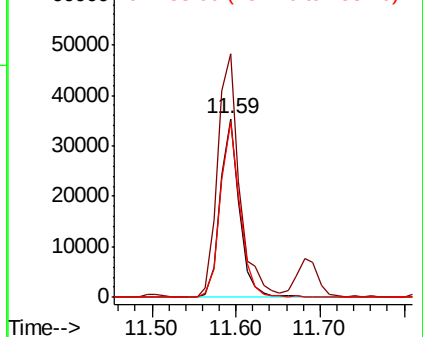
158 98.1 49.1 147.3



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: 22.313 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059722.D

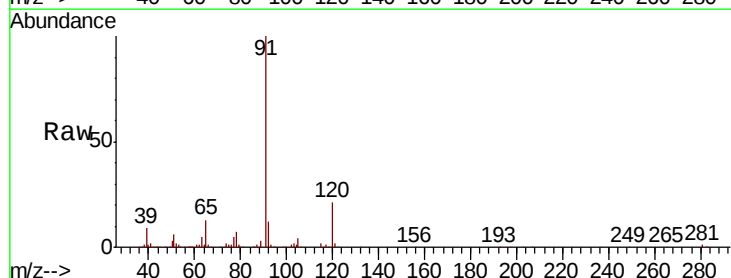
Acq: 31 Jul 2018 21:12

Tgt Ion: 91 Resp: 257269

Ion Ratio Lower Upper

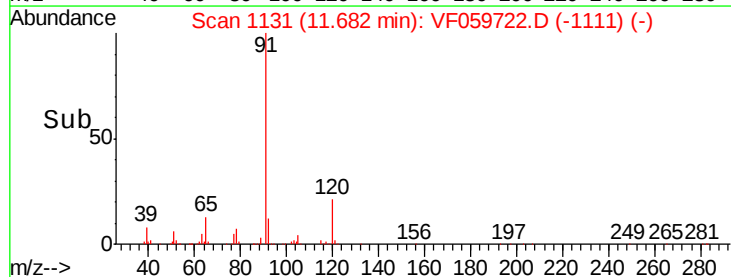
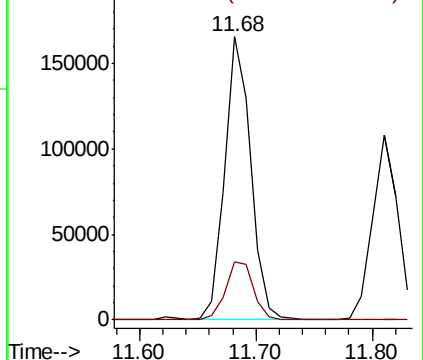
91 100

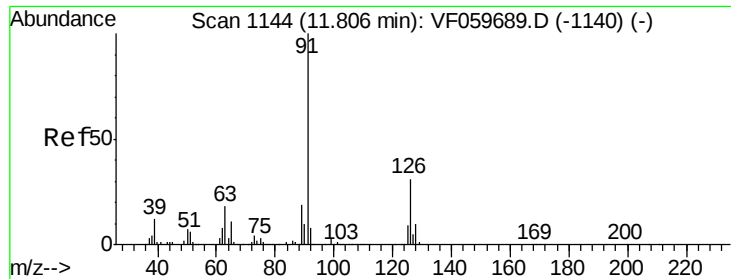
120 20.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

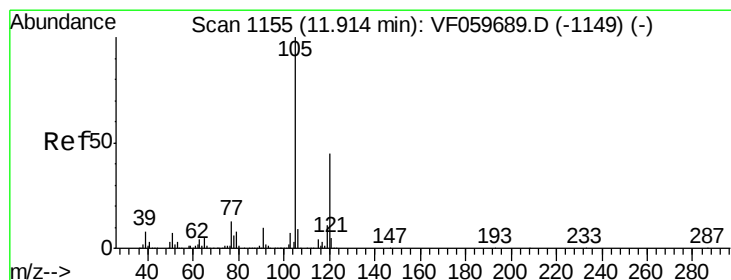
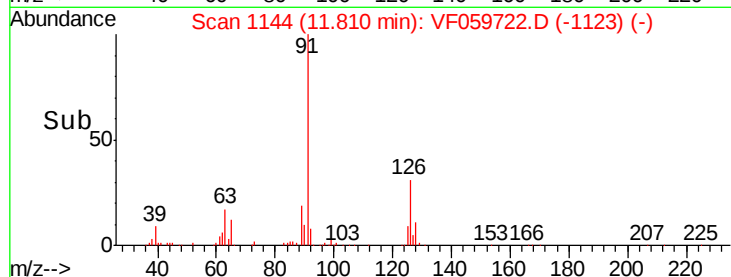
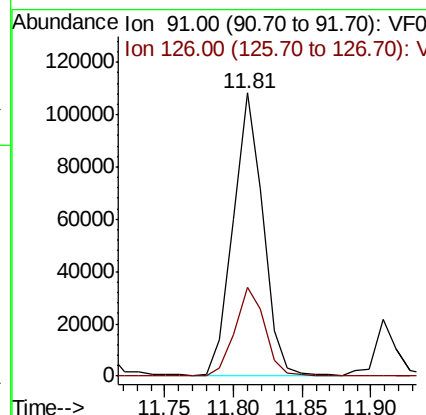
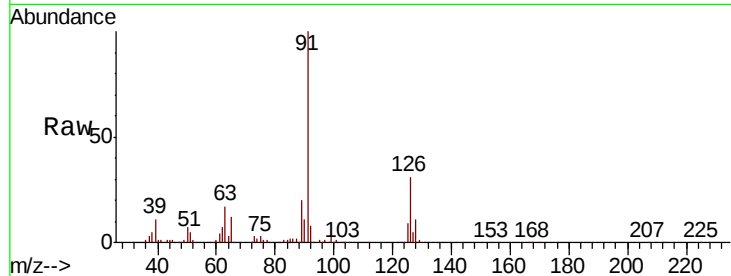




#79
 2-Chlorotoluene
 Concen: 22.819 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

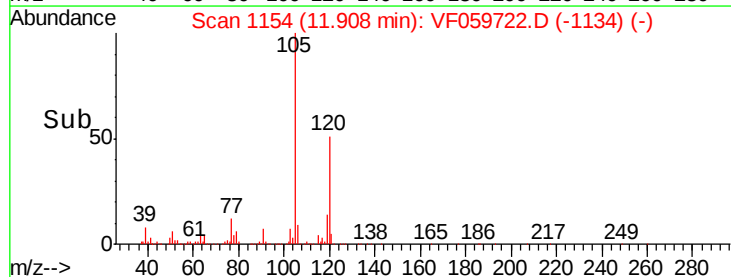
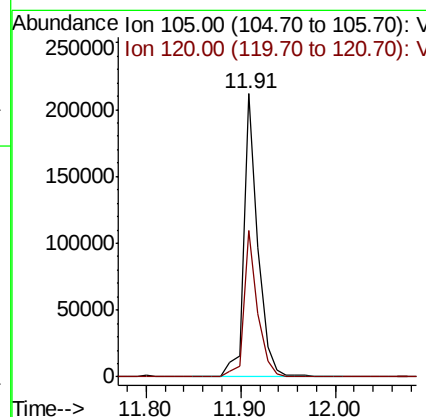
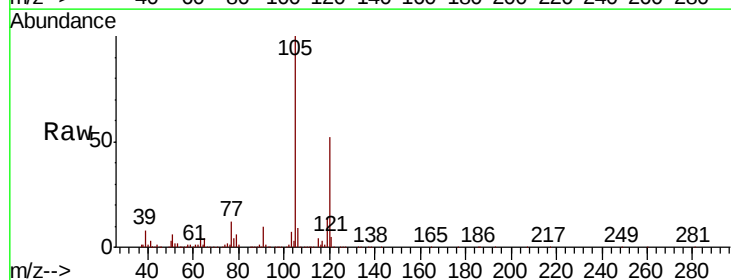
Instrument :
 MSVOA_F
 ClientSampleId :

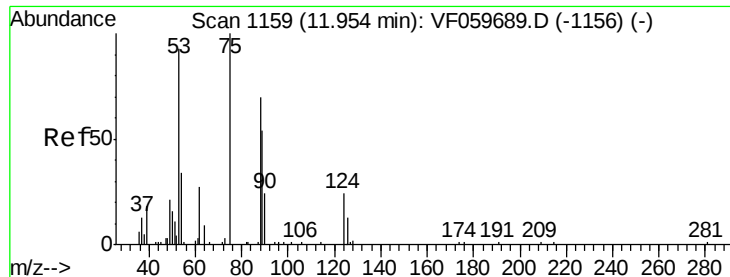
Tot Ion: 91 Resp: 162681
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: 25.010 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Tgt Ion: 105 Resp: 217790
 Ion Ratio Lower Upper
 105 100
 120 51.7 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 30.306 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

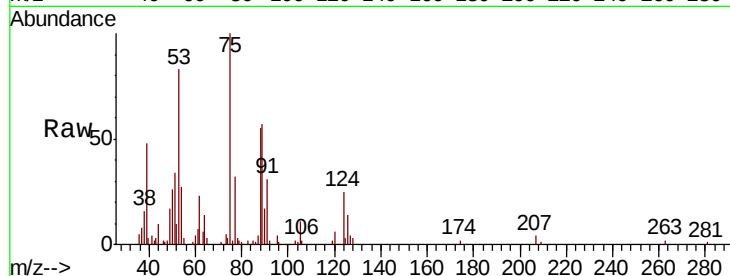
Tot Ion: 75 Resp: 20099

Ion Ratio Lower Upper

75 100

53 83.0 78.3 117.5

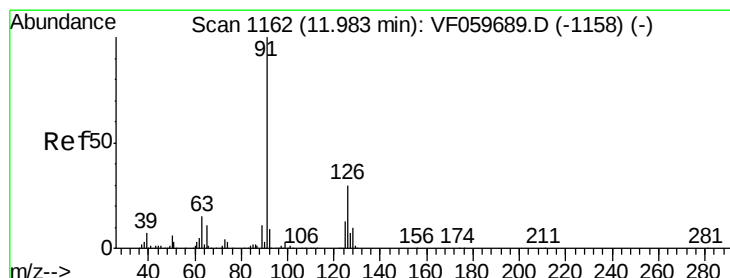
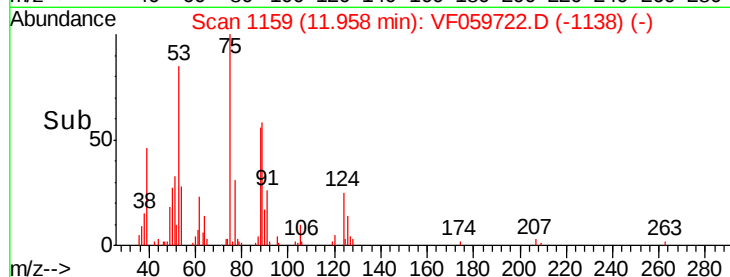
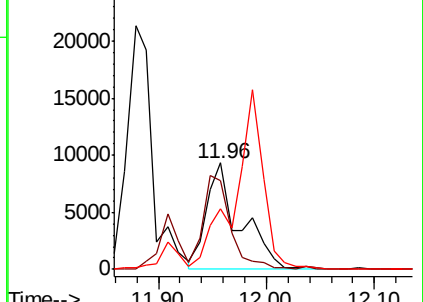
89 56.8 45.4 68.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.356 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059722.D

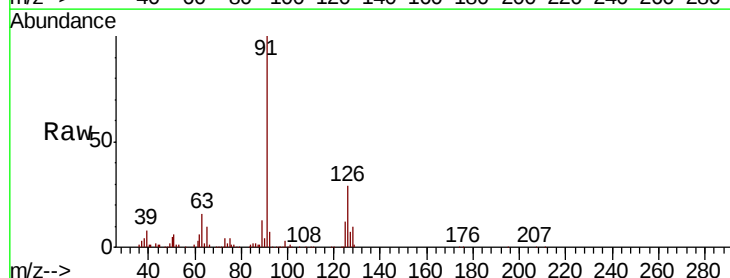
Acq: 31 Jul 2018 21:12

Tgt Ion: 91 Resp: 175763

Ion Ratio Lower Upper

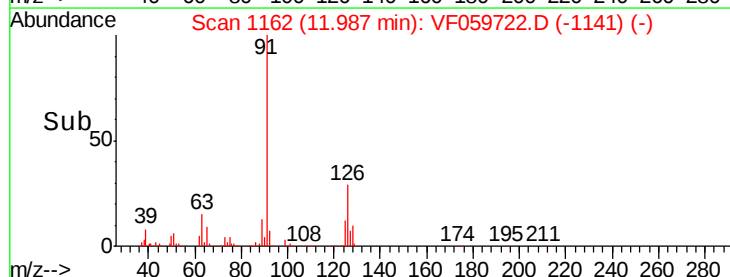
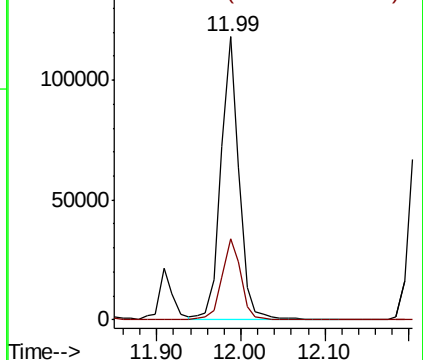
91 100

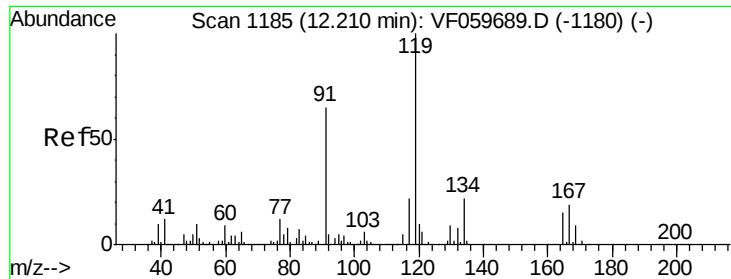
126 28.7 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

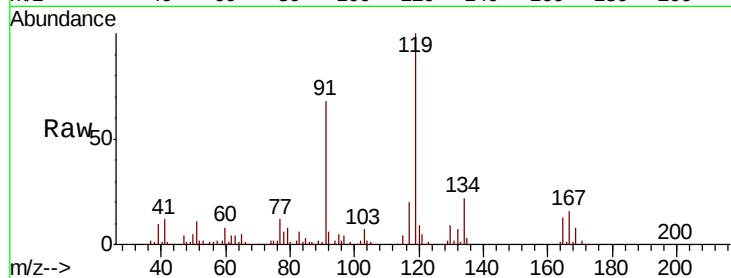




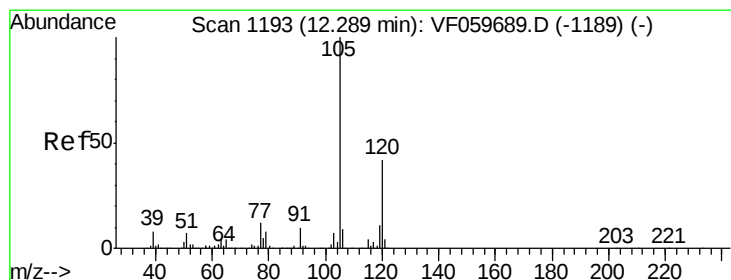
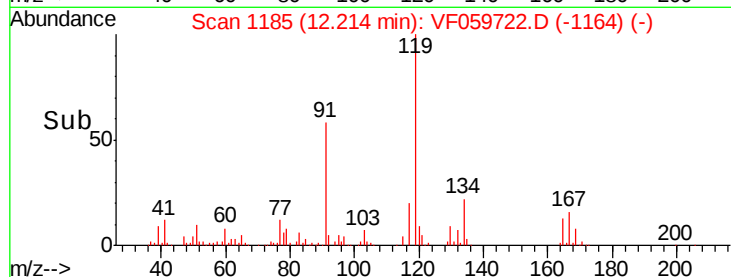
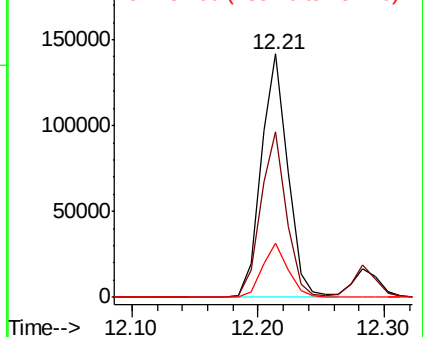
#83
tert-Butylbenzene
Concen: 23.279 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 209071
Ion Ratio Lower Upper
119 100
91 68.0 32.8 98.4
134 22.1 10.9 32.7

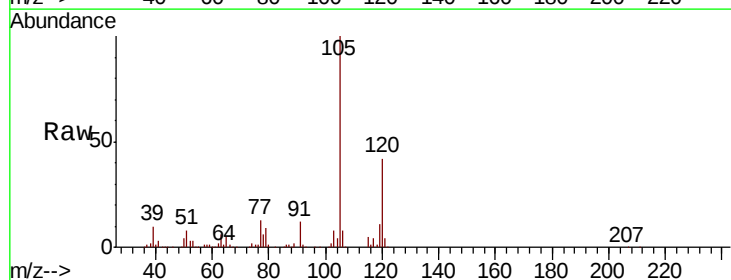


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

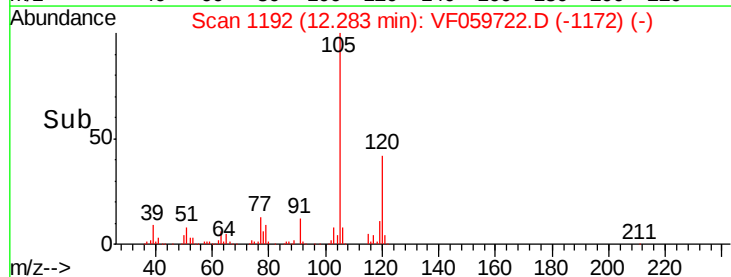
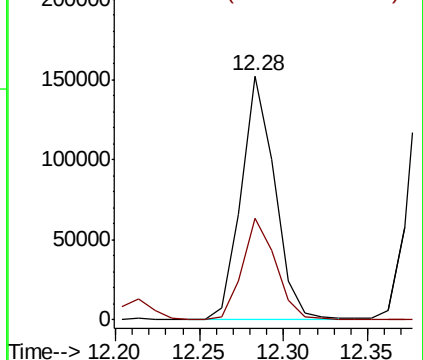


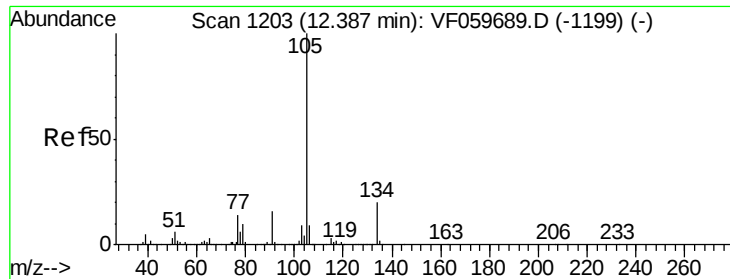
#84
1,2,4-Trimethylbenzene
Concen: 23.944 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VF059722.D
Acq: 31 Jul 2018 21:12

Tgt Ion:105 Resp: 211819
Ion Ratio Lower Upper
105 100
120 41.5 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: 22.556 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

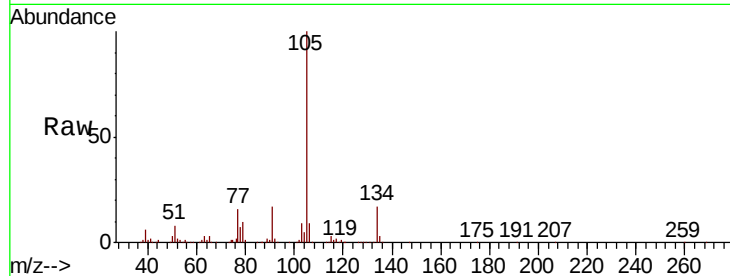
ClientSampled :

Tot Ion:105 Resp: 260728

Ion Ratio Lower Upper

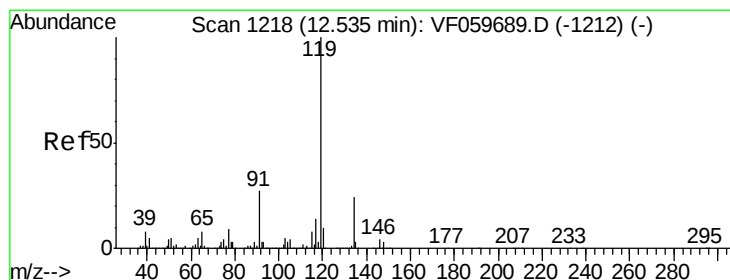
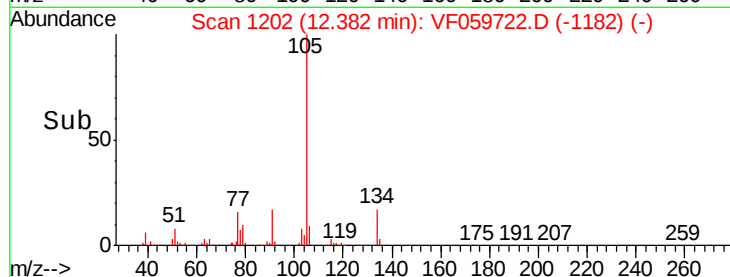
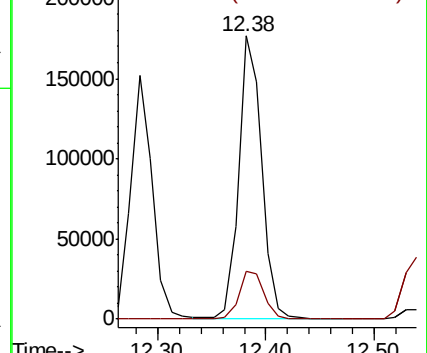
105 100

134 16.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.240 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

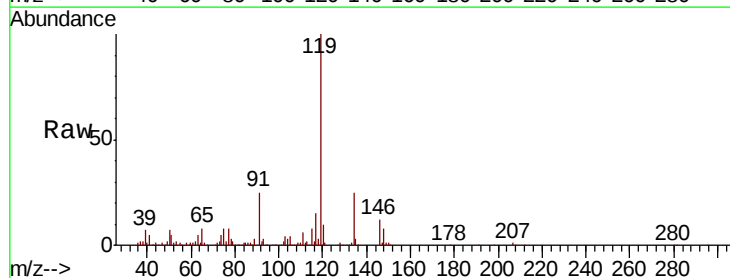
Tgt Ion:119 Resp: 225792

Ion Ratio Lower Upper

119 100

134 24.7 12.2 36.6

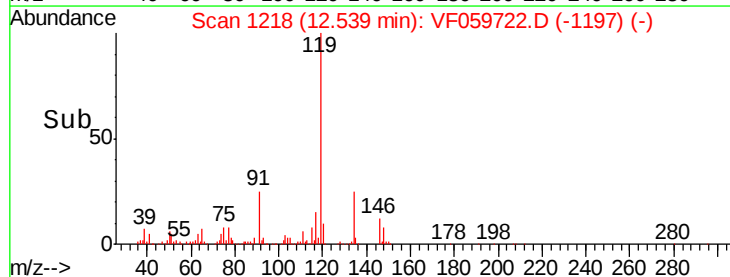
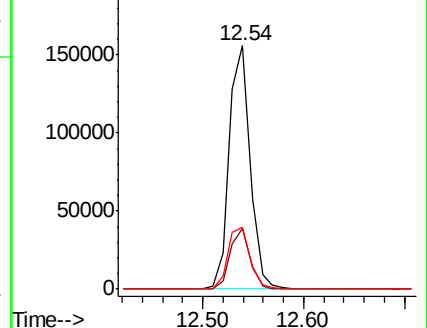
91 25.4 13.4 40.2

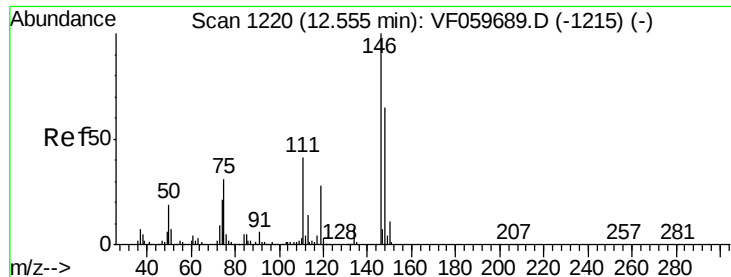


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

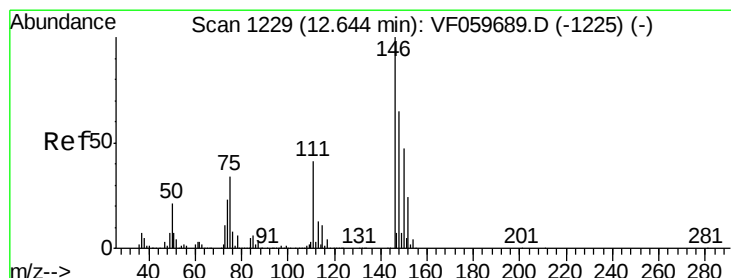
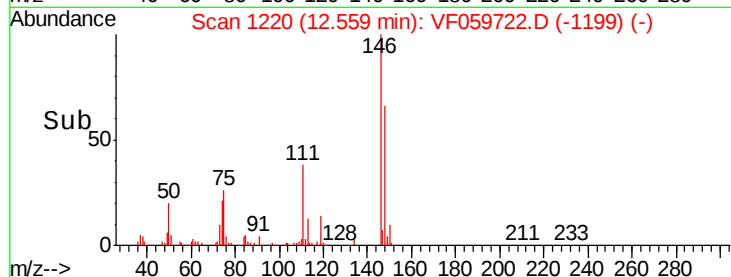
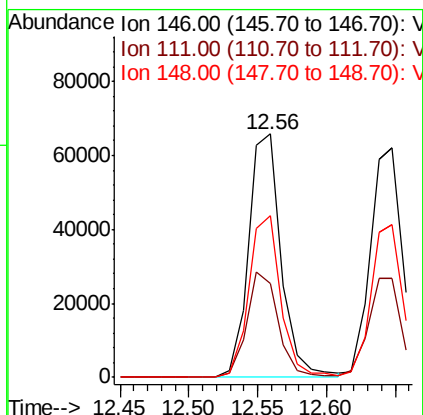
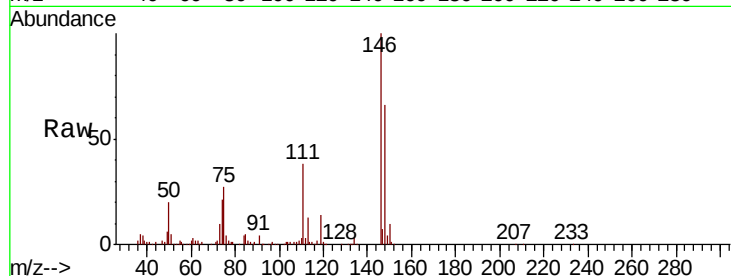




#87
 1,3-Dichlorobenzene
 Concen: 22.342 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

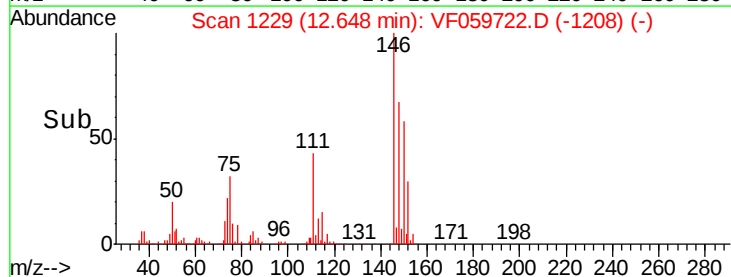
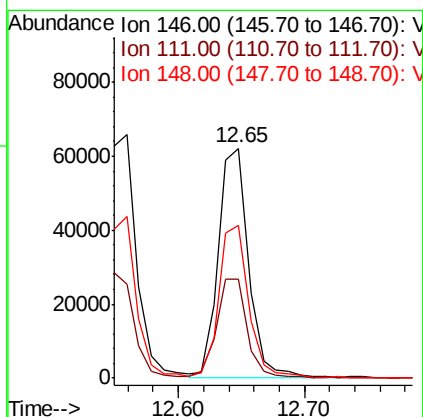
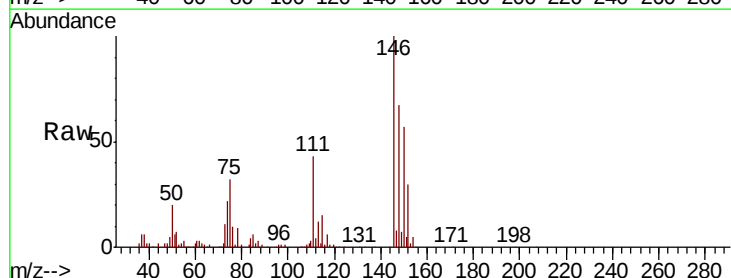
Instrument :
 MSVOA_F
 ClientSampleId :

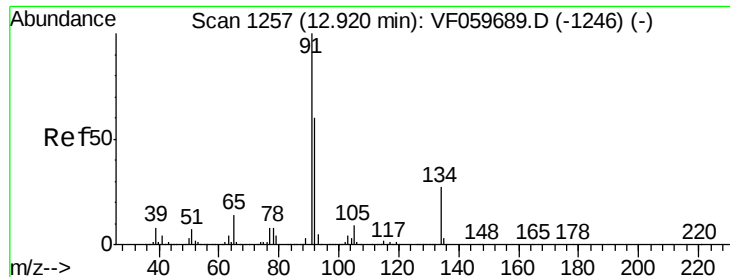
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.7	62.1
148	66.2	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.564 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.8	62.2
148	66.7	32.3	96.9





#89

n-Butylbenzene

Concen: 23.200 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampled :

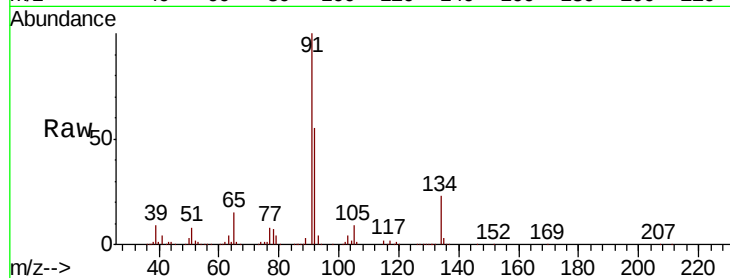
Tot Ion: 91 Resp: 222210

Ion Ratio Lower Upper

91 100

92 55.4 30.1 90.3

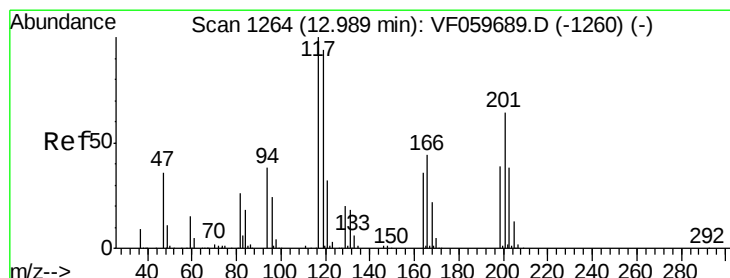
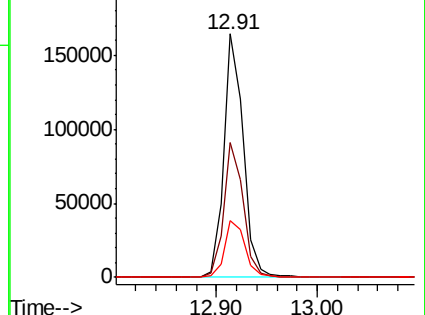
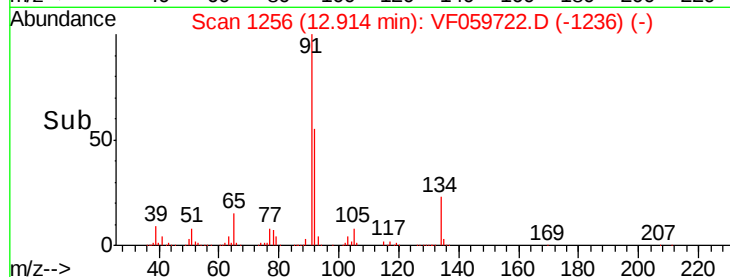
134 23.4 13.7 41.0



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: 23.967 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059722.D

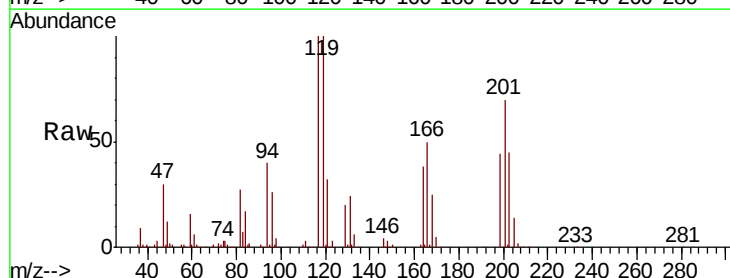
Acq: 31 Jul 2018 21:12

Tgt Ion: 117 Resp: 60479

Ion Ratio Lower Upper

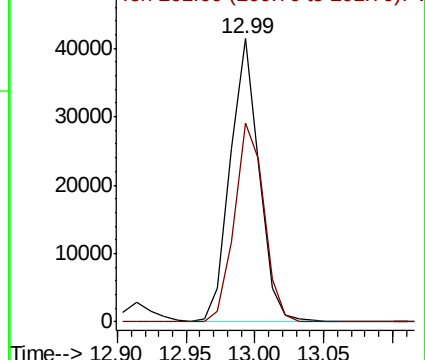
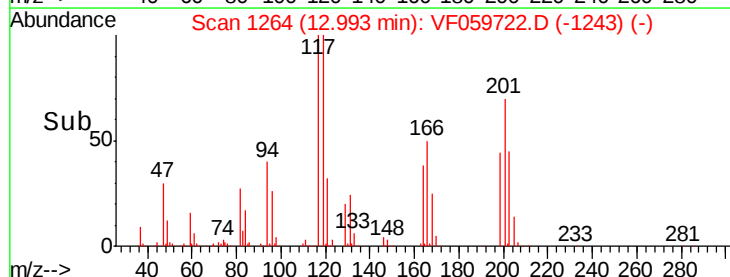
117 100

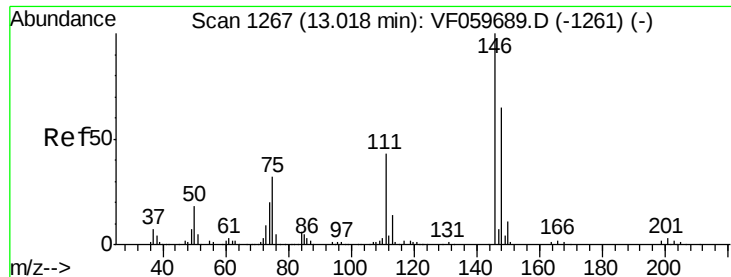
201 71.0 31.9 95.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 24.500 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059722.D

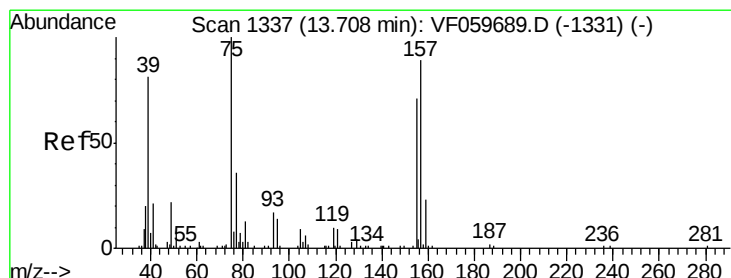
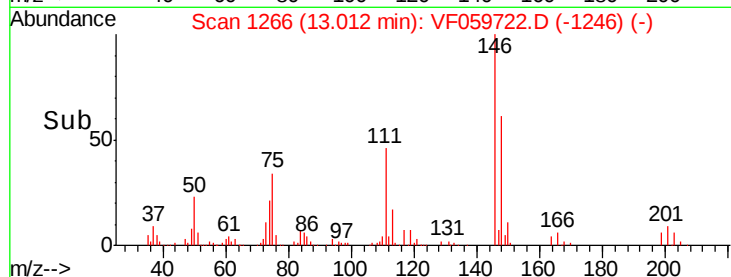
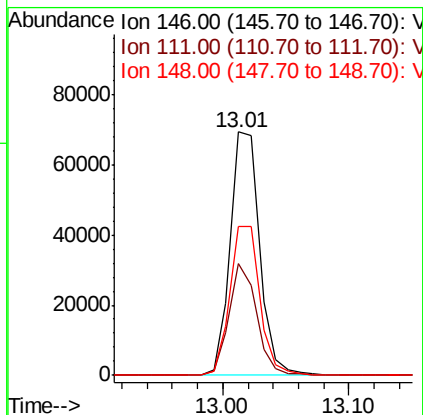
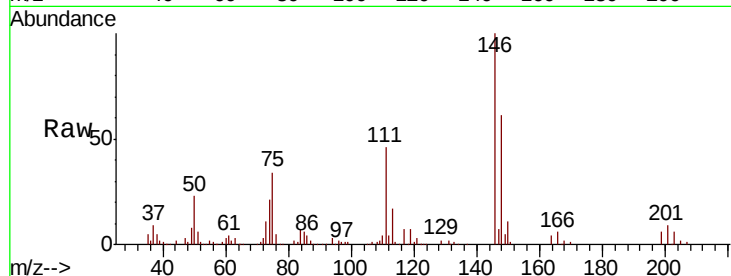
Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	146	Resp:	111529
Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.6	65.0
148	61.3	32.3	96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.010 ug/l

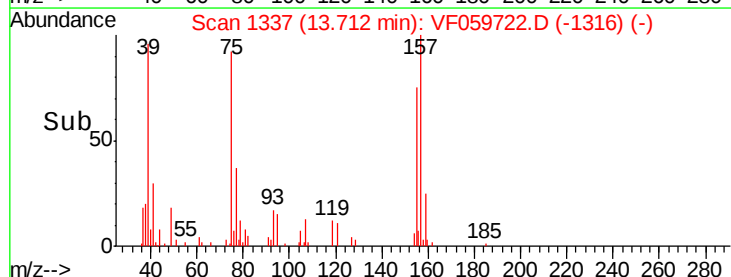
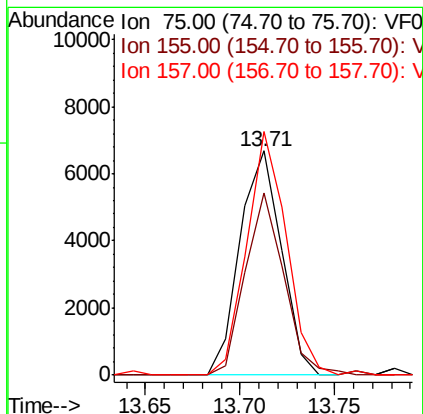
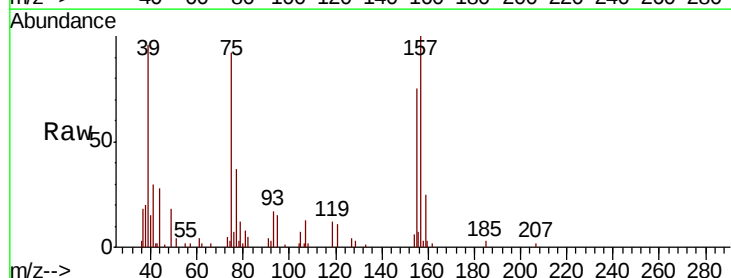
RT: 13.71 min Scan# 1337

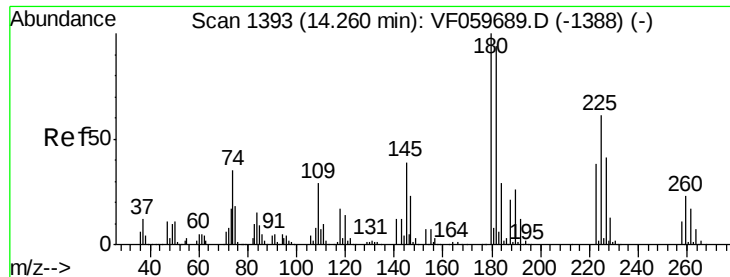
Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Tgt Ion:	75	Resp:	10133
Ion	Ratio	Lower	Upper
75	100		
155	81.1	35.4	106.2
157	108.6	44.4	133.2

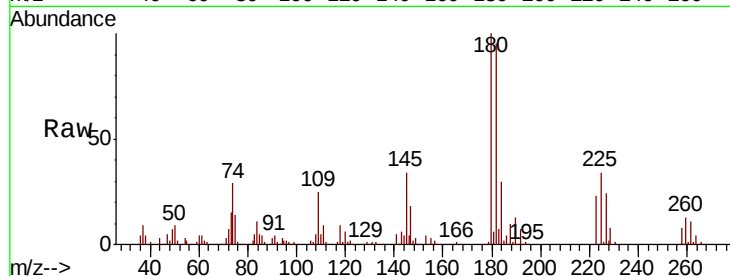




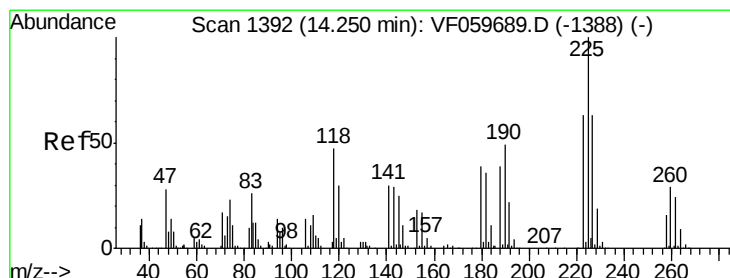
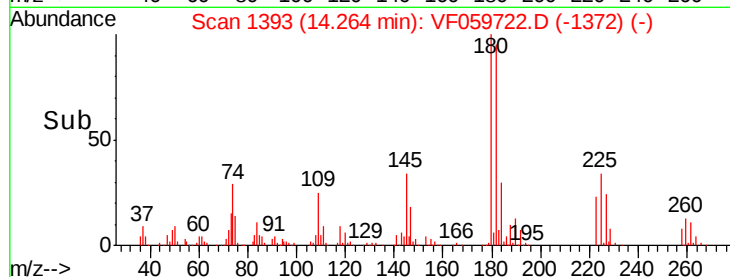
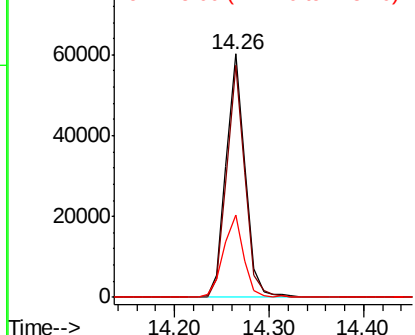
#93
 1,2,4-Trichlorobenzene
 Concen: 22.718 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 84123
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.2 141.6
 145 33.7 19.3 57.9

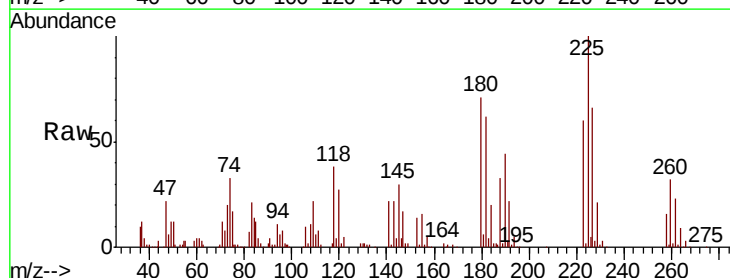


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

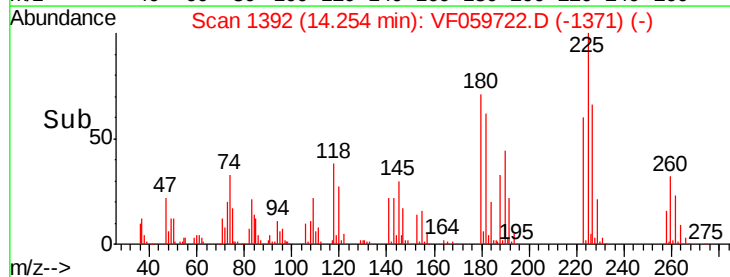
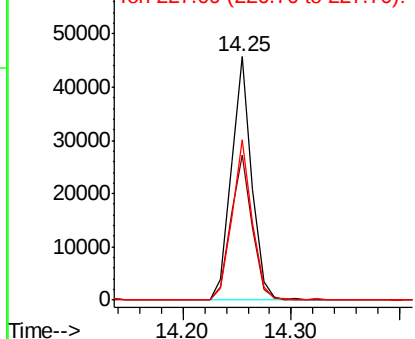


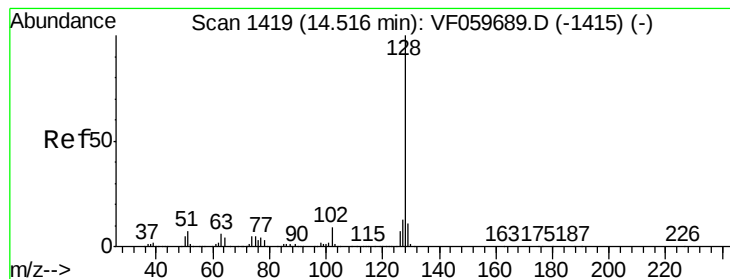
#94
 Hexachlorobutadiene
 Concen: 23.901 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059722.D
 Acq: 31 Jul 2018 21:12

Tgt Ion:225 Resp: 59775
 Ion Ratio Lower Upper
 225 100
 223 59.8 31.4 94.2
 227 65.9 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: 20.575 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

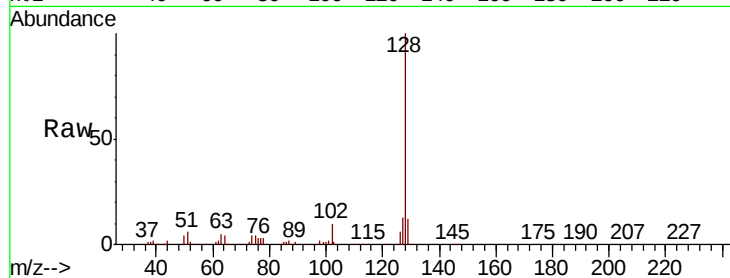
Tot Ion:128 Resp: 135258

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

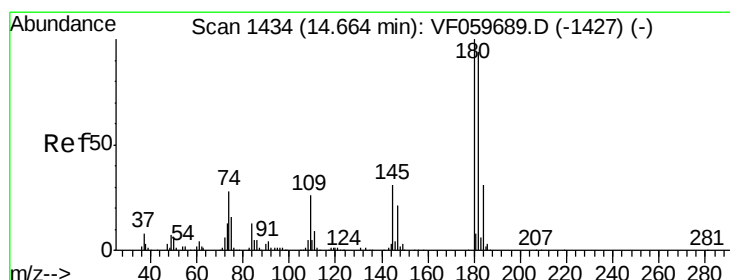
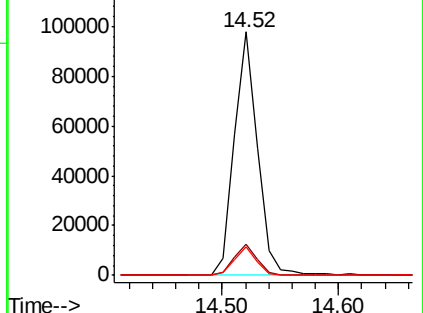
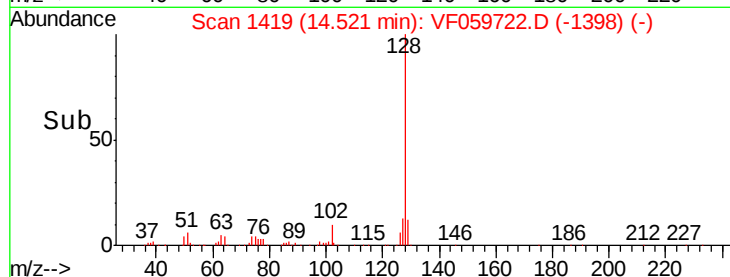
129 11.9 8.6 13.0



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: 22.082 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059722.D

Acq: 31 Jul 2018 21:12

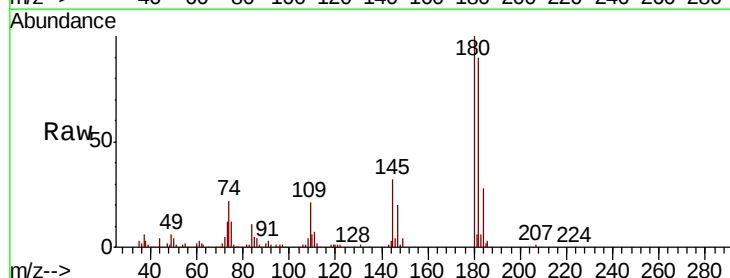
Tgt Ion:180 Resp: 80236

Ion Ratio Lower Upper

180 100

182 89.9 47.2 141.6

145 31.8 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

