

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059700.D
 Acq On : 31 Jul 2018 10:32
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 12:21:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	214915	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	303847	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	296864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	183870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	175091	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
35) Dibromofluoromethane	4.29	113	149148	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	7.71	98	348345	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
62) 4-Bromofluorobenzene	11.51	95	190219	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	112769	46.235	ug/l	93
3) Chloromethane	1.08	50	62503	50.091	ug/l	97
4) Vinyl Chloride	1.16	62	64534	48.300	ug/l	97
5) Bromomethane	1.34	94	49025	44.336	ug/l	98
6) Chloroethane	1.42	64	38019	46.609	ug/l	91
7) Trichlorofluoromethane	1.54	101	121699	30.323	ug/l	97
8) Diethyl Ether	1.70	74	28370	41.340	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	100172	47.655	ug/l	96
10) Methyl Iodide	1.96	142	153853	52.120	ug/l	96
11) Tert butyl alcohol	2.66	59	35451	227.503	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	79096	47.524	ug/l	86
13) Acrolein	2.09	56	22280	271.643	ug/l	100
14) Allyl chloride	2.19	41	125133	47.090	ug/l	92
15) Acrylonitrile	3.06	53	62040	248.596	ug/l	90
16) Acetone	2.33	43	199456	287.093	ug/l	97
17) Carbon Disulfide	1.84	76	67422	16.055	ug/l	95
18) Methyl Acetate	2.53	43	83684	80.645	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	224296	44.192	ug/l	100
20) Methylene Chloride	2.28	84	74481	49.026	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	72458	49.717	ug/l	94
22) Diisopropyl ether	2.92	45	265832	47.306	ug/l	96
23) Vinyl Acetate	3.33	43	705140	244.070	ug/l	100
24) 1,1-Dichloroethane	2.99	63	178652	45.760	ug/l #	97
25) 2-Butanone	4.50	43	182730	235.680	ug/l #	79
26) 2,2-Dichloropropane	3.76	77	134876	48.463	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	96633	46.222	ug/l	93
28) Bromochloromethane	3.88	49	70017	51.639	ug/l	95
29) Tetrahydrofuran	4.25	42	69766	234.119	ug/l	99
30) Chloroform	4.03	83	240618	43.669	ug/l	90
31) Cyclohexane	3.87	56	94147	49.734	ug/l #	96
32) 1,1,1-Trichloroethane	4.28	97	190409	44.550	ug/l	97
36) 1,1-Dichloropropene	4.45	75	151406	49.155	ug/l	99
37) Ethyl Acetate	4.29	43	71598	46.934	ug/l #	51
38) Carbon Tetrachloride	4.17	117	227398	47.071	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	116714	49.742	ug/l	95
40) Benzene	4.81	78	277480	45.221	ug/l	95
41) Methacrylonitrile	4.92	41	36372	47.406	ug/l	96
42) 1,2-Dichloroethane	5.11	62	191717	44.644	ug/l	98
43) Isopropyl Acetate	7.11	43	80811	44.478	ug/l	91
44) Trichloroethene	5.68	130	102475	49.768	ug/l	90
45) 1,2-Dichloropropane	6.41	63	76641	47.296	ug/l	99
46) Dibromomethane	6.25	93	69843	45.397	ug/l	90
47) Bromodichloromethane	6.54	83	195039	46.553	ug/l	96
48) Methyl methacrylate	6.87	41	63231	46.269	ug/l	95
49) 1,4-Dioxane	6.86	88	9560	1083.455	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	329296	238.260	ug/l	97
52) Toluene	7.78	92	193894	47.323	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	158249	43.531	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	165459	46.989	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	77223	46.468	ug/l	96
56) Ethyl methacrylate	8.76	69	87140	50.280	ug/l	97
57) 1,3-Dichloropropane	9.00	76	129656	45.478	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	42418	211.982	ug/l	100
59) 2-Hexanone	9.63	43	273225	246.695	ug/l	98
60) Dibromochloromethane	8.86	129	139971	47.732	ug/l	98
61) 1,2-Dibromoethane	9.14	107	92330	47.579	ug/l	95
64) Tetrachloroethene	8.31	164	100677	50.261	ug/l	99
65) Chlorobenzene	9.94	112	270873	45.613	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	130254	46.981	ug/l	97
67) Ethyl Benzene	10.04	91	493812	48.061	ug/l	100
68) m/p-Xylenes	10.27	106	335690	105.043	ug/l	97
69) o-Xylene	10.83	106	188686	49.839	ug/l	93
70) Styrene	10.90	104	269025	46.907	ug/l	98
71) Bromoform	10.89	173	85190	47.155	ug/l #	100
73) Isopropylbenzene	11.23	105	587952	48.734	ug/l	99
74) N-amyl acetate	11.46	43	145253	47.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	114850	50.572	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	87710	45.419	ug/l	95
77) Bromobenzene	11.59	156	144696	45.929	ug/l	98
78) n-propylbenzene	11.69	91	663564	54.066	ug/l	98
79) 2-Chlorotoluene	11.82	91	404459	52.157	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	510084	53.526	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	53802	67.273	ug/l	93
82) 4-Chlorotoluene	11.98	91	451281	54.655	ug/l	99
83) tert-Butylbenzene	12.21	119	555225	51.266	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	534023	55.491	ug/l	95
85) sec-Butylbenzene	12.39	105	653903	53.431	ug/l	99
86) p-Isopropyltoluene	12.54	119	600314	56.619	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	283061	55.475	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	274457	52.914	ug/l	98
89) n-Butylbenzene	12.92	91	576656	57.404	ug/l	99
90) Hexachloroethane	12.99	117	148525	48.809	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	270709	54.150	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27737	49.961	ug/l	95

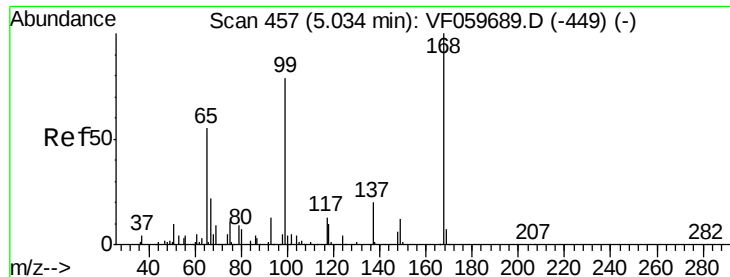
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QLast Update : Tue Jul 31 05:19:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	214557	53.950	ug/l	97
94) Hexachlorobutadiene	14.25	225	146724	48.650	ug/l	96
95) Naphthalene	14.52	128	390031	49.200	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	214977	49.062	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

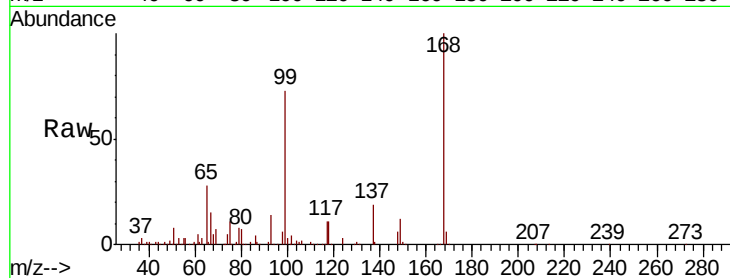
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 214915

Ion Ratio Lower Upper

168 100

99 72.5 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

Time-->

80000

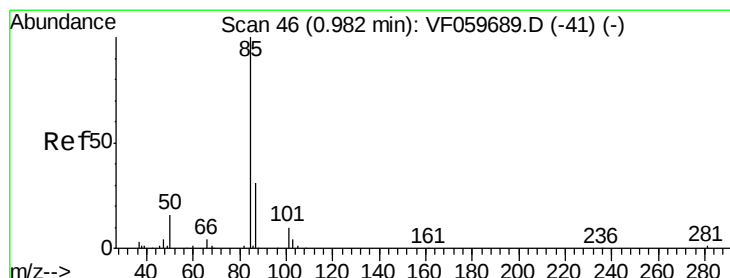
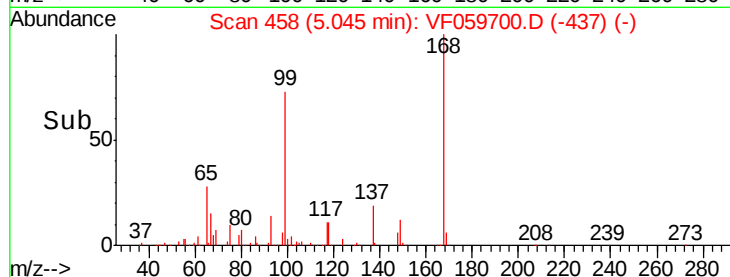
60000

40000

20000

0

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 46.235 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059700.D

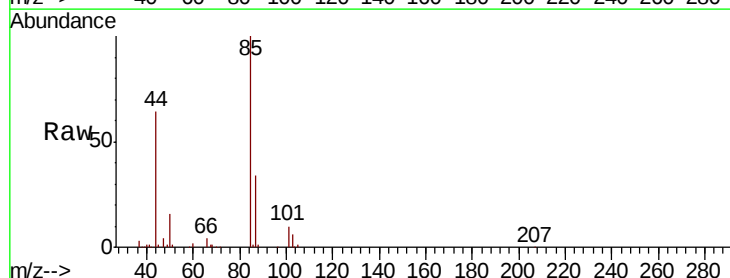
Acq: 31 Jul 2018 10:32

Tgt Ion: 85 Resp: 112769

Ion Ratio Lower Upper

85 100

87 34.3 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

Time-->

40000

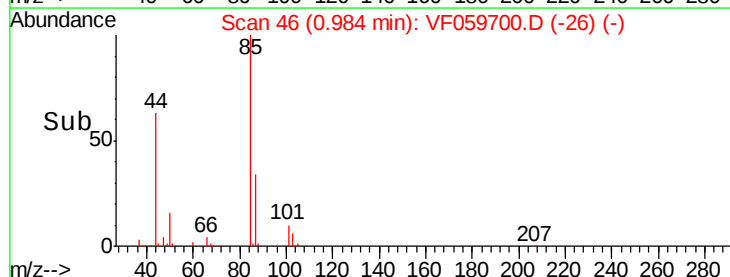
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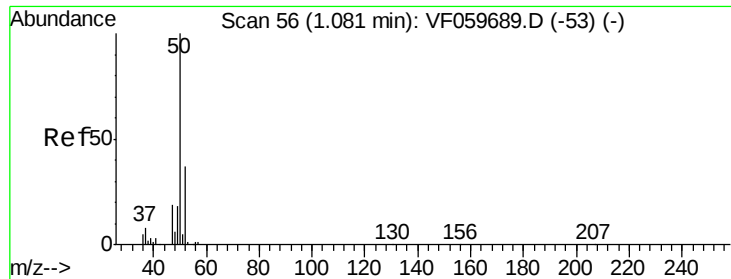
20000

10000

0

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 50.091 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

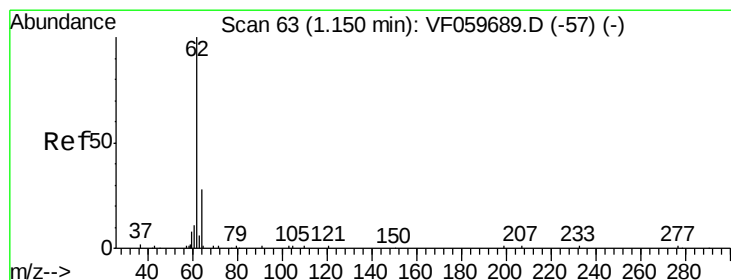
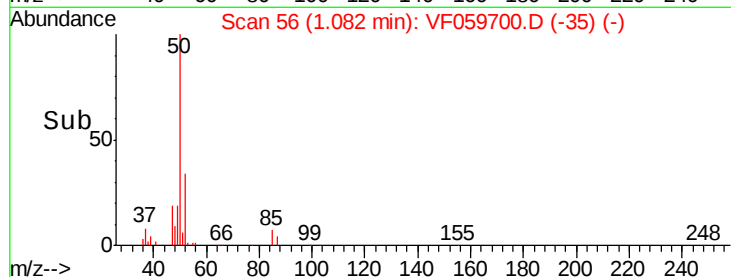
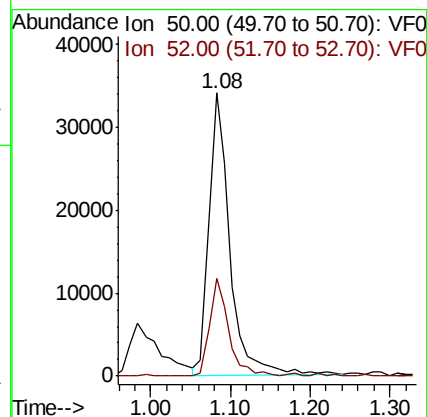
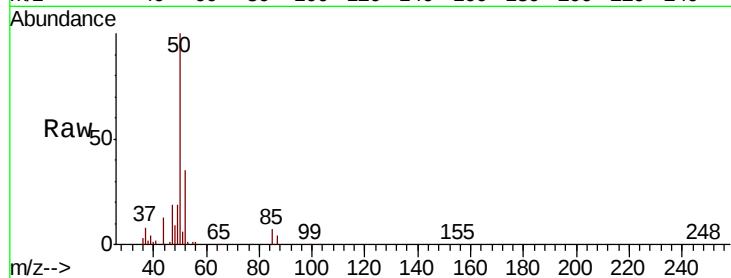
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 62503

Ion Ratio Lower Upper

50 100

52 34.6 29.1 43.7



#4

Vinyl Chloride

Concen: 48.300 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059700.D

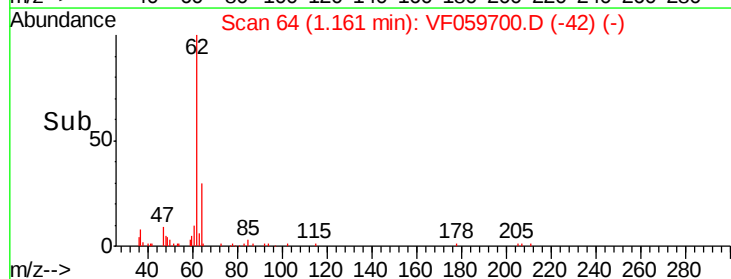
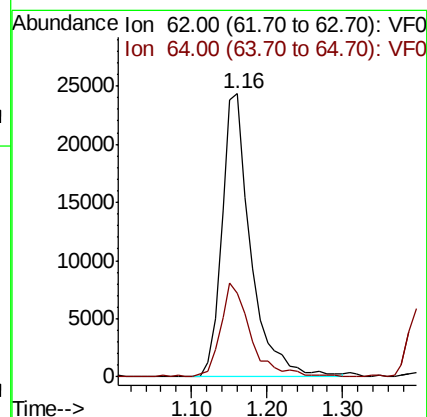
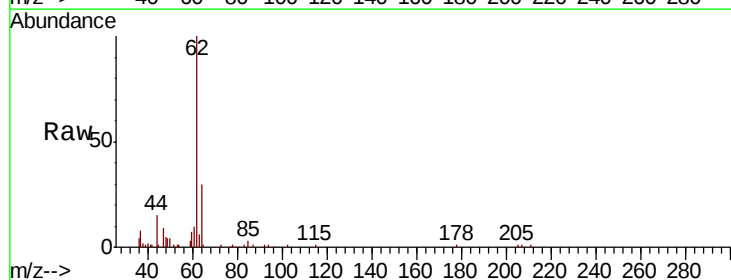
Acq: 31 Jul 2018 10:32

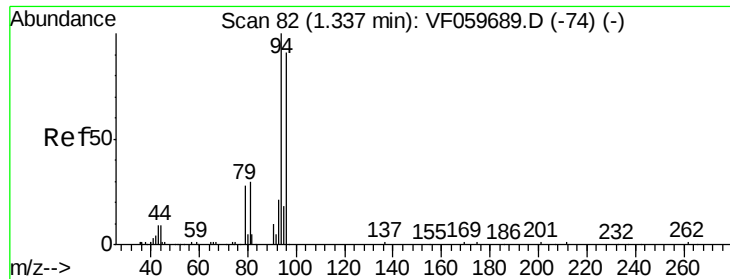
Tgt Ion: 62 Resp: 64534

Ion Ratio Lower Upper

62 100

64 29.7 22.6 33.8





#5

Bromomethane

Concen: 44.336 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

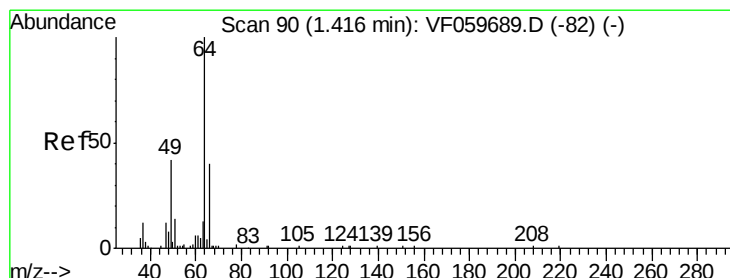
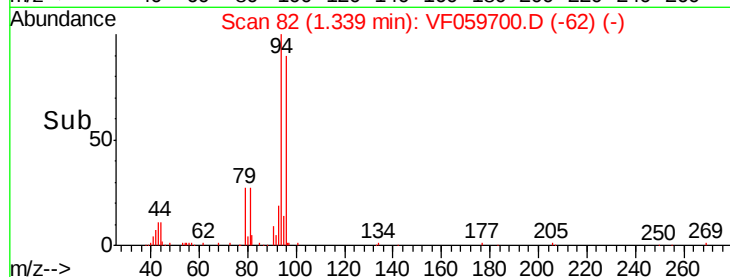
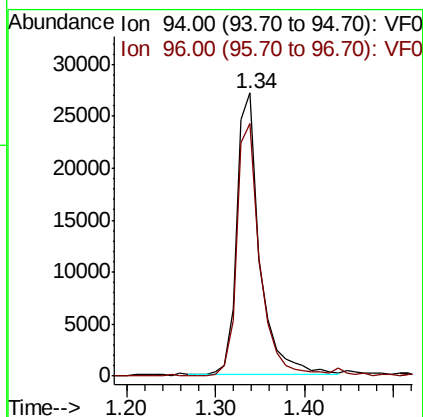
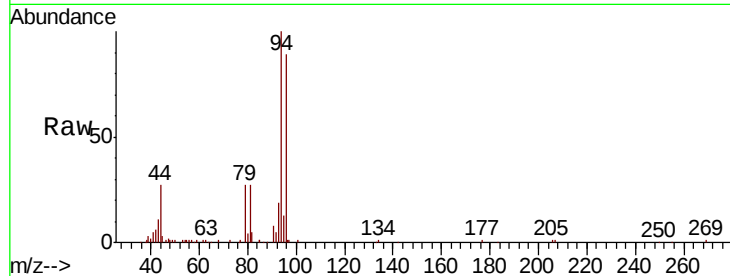
ClientSampleId :

Tot Ion: 94 Resp: 49025

Ion Ratio Lower Upper

94 100

96 90.1 73.6 110.4



#6

Chloroethane

Concen: 46.609 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059700.D

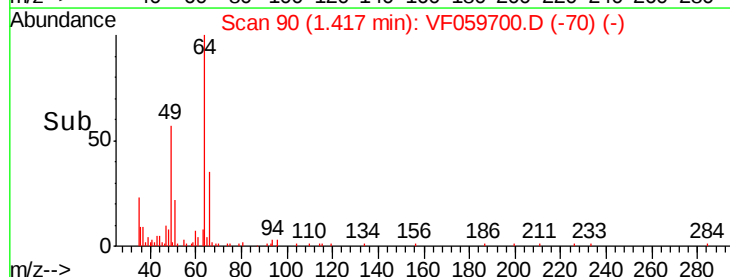
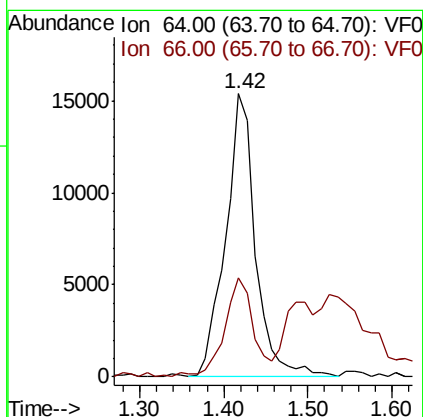
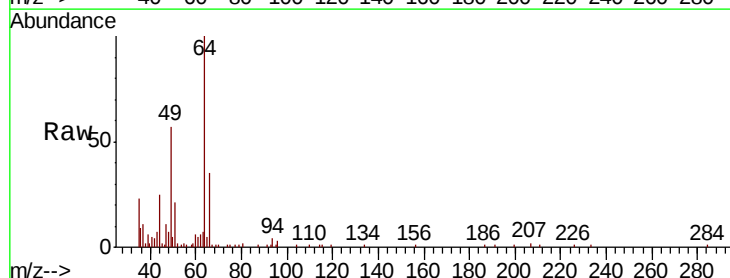
Acq: 31 Jul 2018 10:32

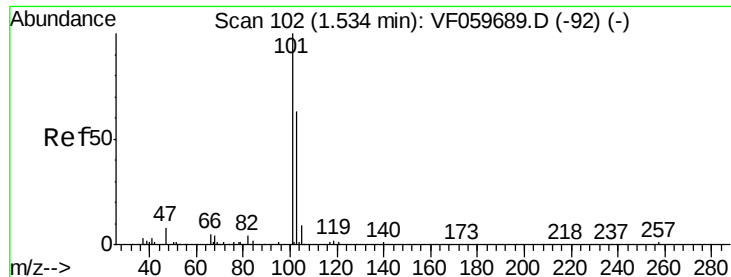
Tgt Ion: 64 Resp: 38019

Ion Ratio Lower Upper

64 100

66 34.9 32.6 49.0



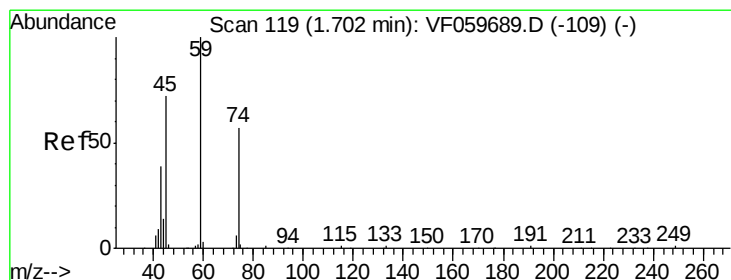
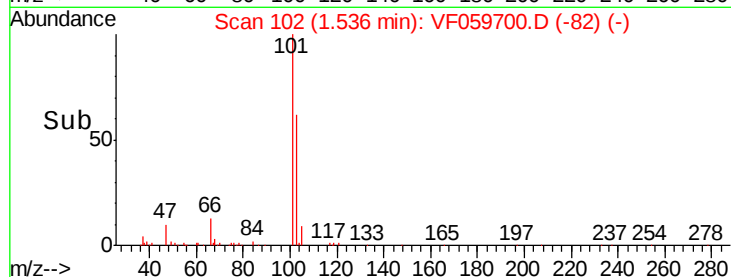
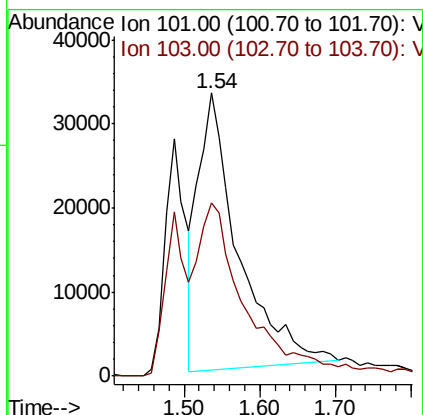
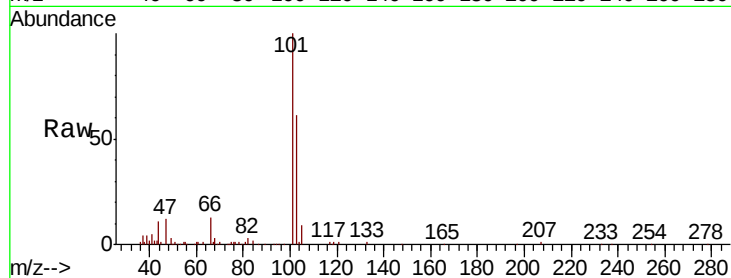


#7

Trichlorofluoromethane
Concen: 30.323 ug/l
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

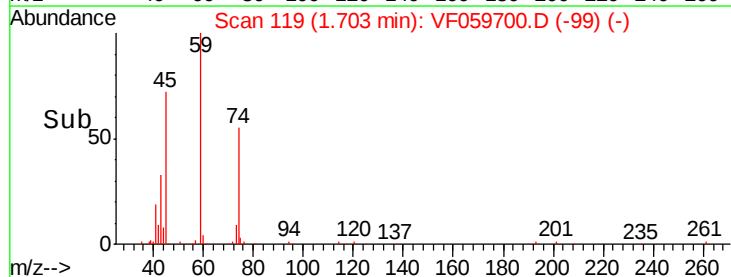
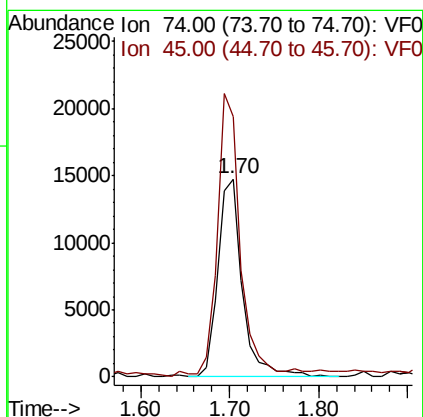
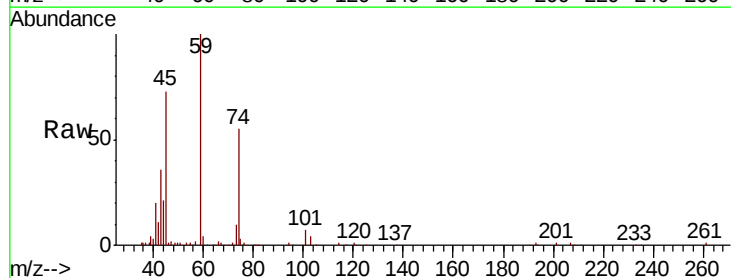
Tot Ion:101 Resp: 121699
Ion Ratio Lower Upper
101 100
103 61.3 50.8 76.2

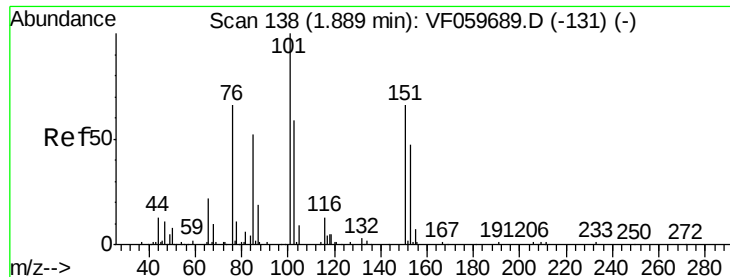


#8

Diethyl Ether
Concen: 41.340 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 74 Resp: 28370
Ion Ratio Lower Upper
74 100
45 131.9 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.655 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

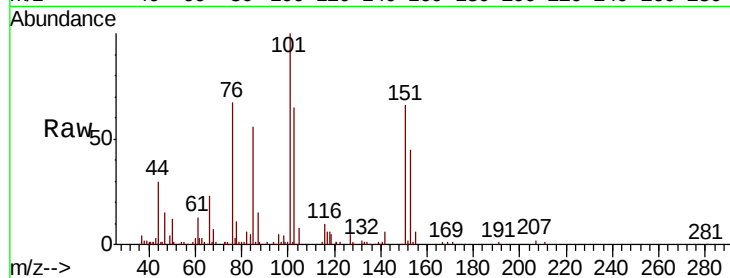
Tot Ion:101 Resp: 100172

Ion Ratio Lower Upper

101 100

85 55.5 40.7 61.1

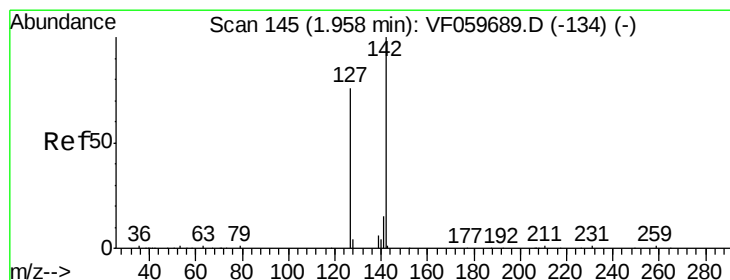
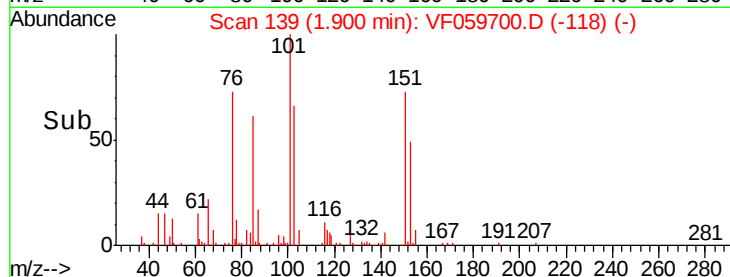
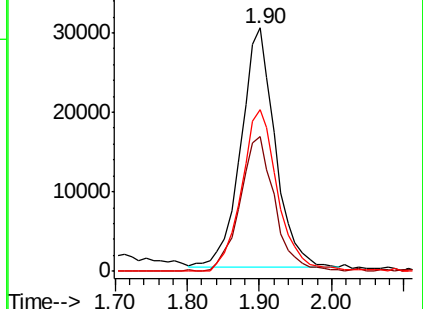
151 66.4 51.4 77.2



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: 52.120 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

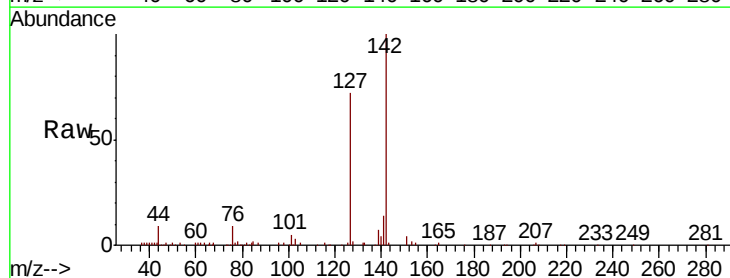
Tgt Ion:142 Resp: 153853

Ion Ratio Lower Upper

142 100

127 72.3 60.6 91.0

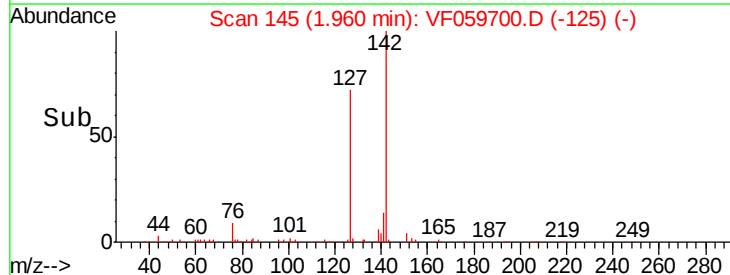
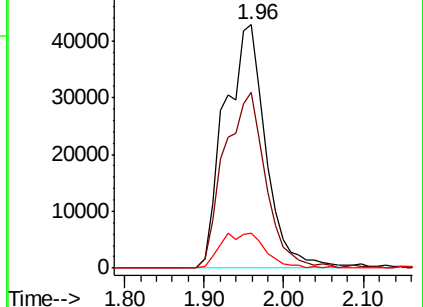
141 14.5 12.0 18.0

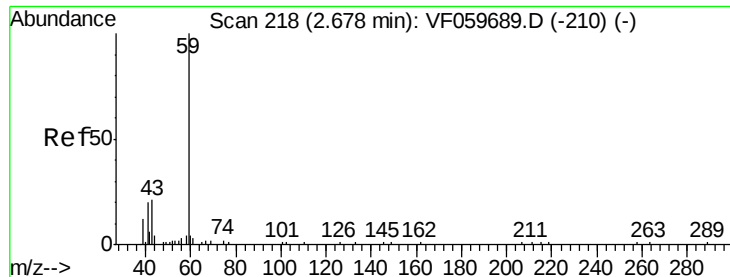


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



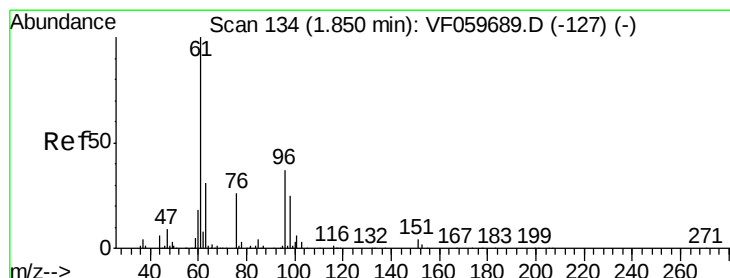
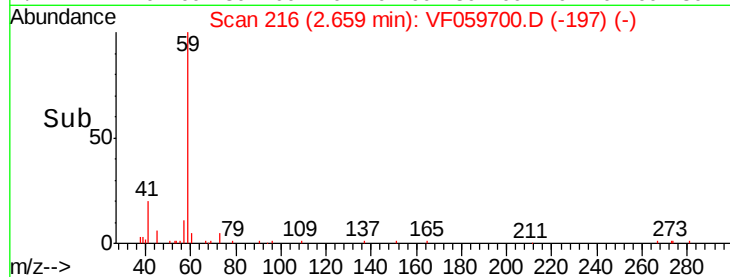
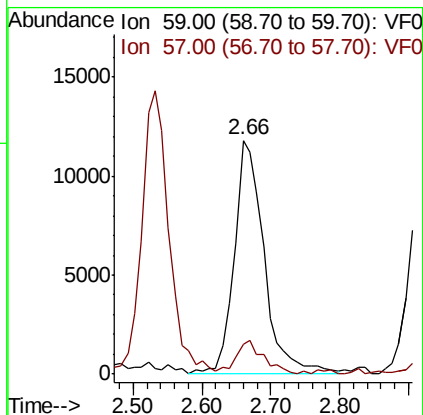
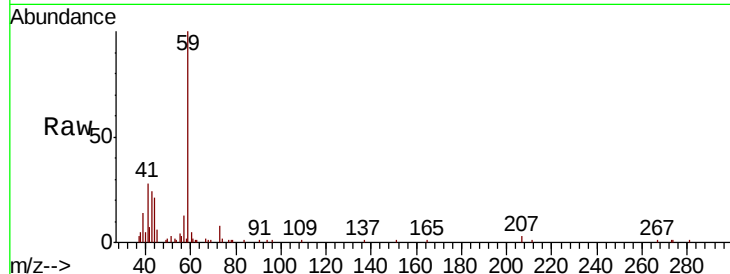


#11

Tert butyl alcohol
Concen: 227.503 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

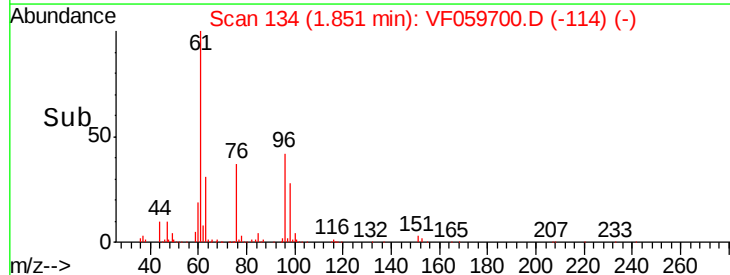
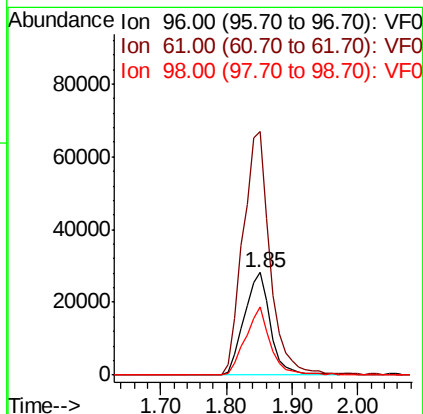
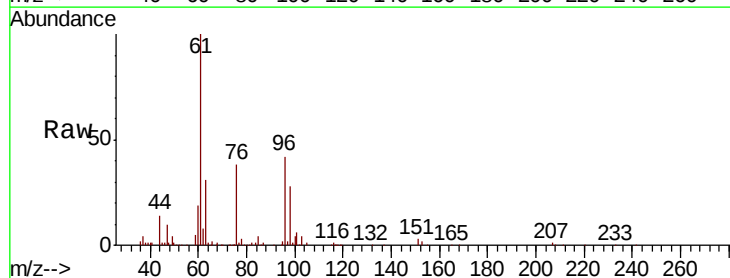
Tot Ion: 59 Resp: 35451
Ion Ratio Lower Upper
59 100
57 13.1 7.6 11.4#

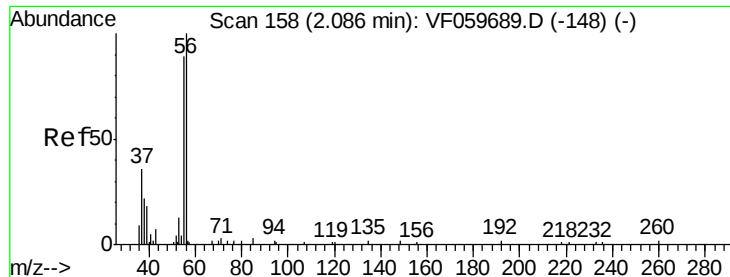


#12

1,1-Dichloroethene
Concen: 47.524 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 96 Resp: 79096
Ion Ratio Lower Upper
96 100
61 237.8 215.1 322.7
98 66.2 54.3 81.5

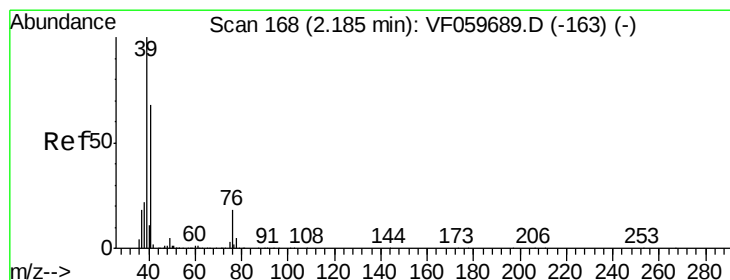
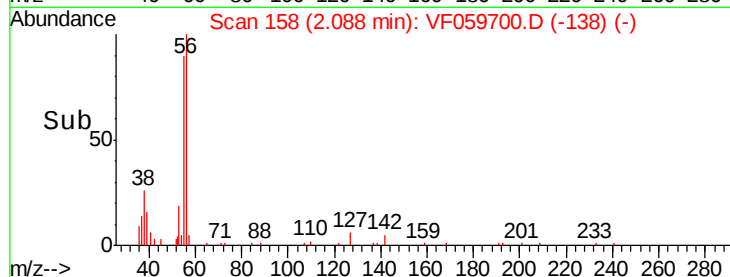
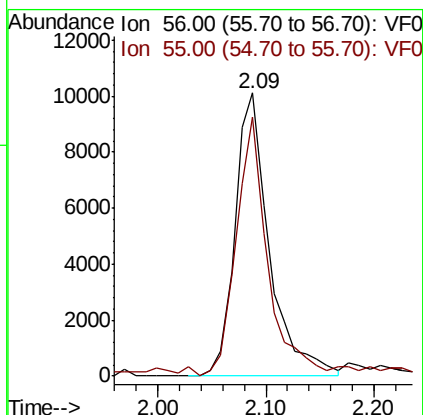
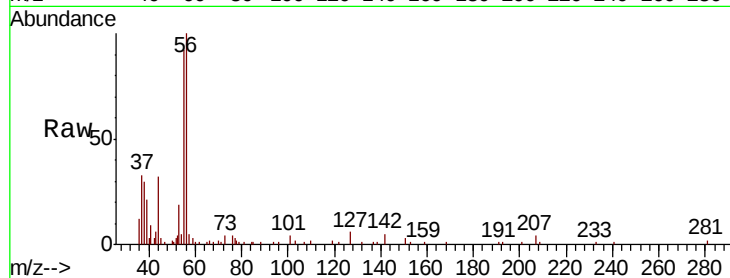




#13
Acrolein
Concen: 271.643 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

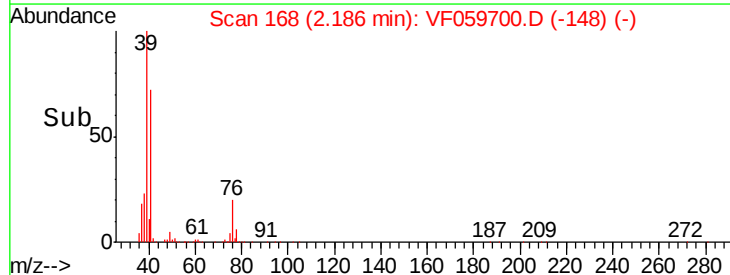
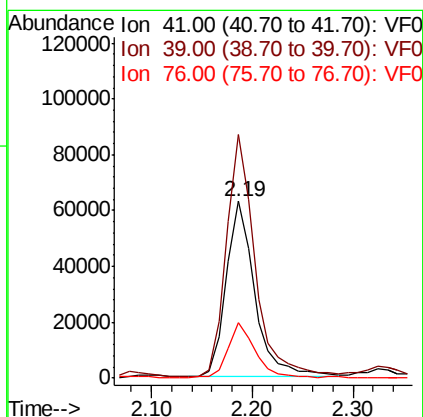
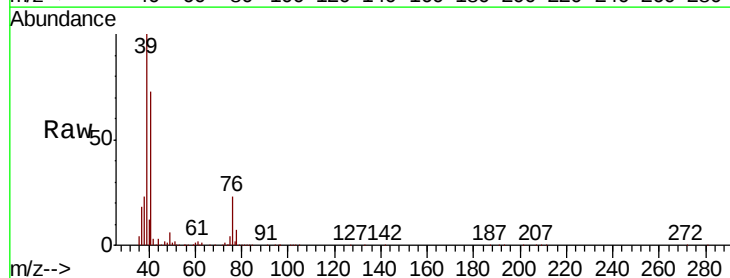
Instrument :
MSVOA_F
ClientSampleId :

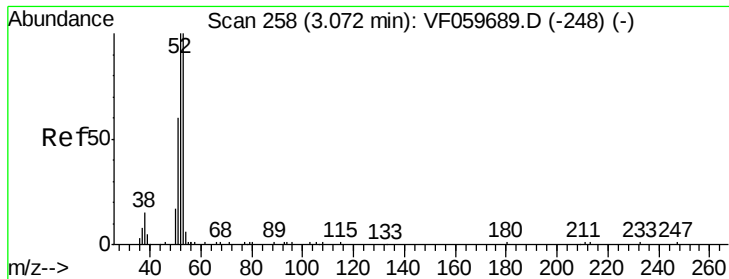
Tot Ion: 56 Resp: 22280
Ion Ratio Lower Upper
56 100
55 91.7 73.2 109.8



#14
Allyl chloride
Concen: 47.090 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 41 Resp: 125133
Ion Ratio Lower Upper
41 100
39 137.9 118.1 177.1
76 31.2 22.0 33.0





#15

Acrylonitrile

Concen: 248.596 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

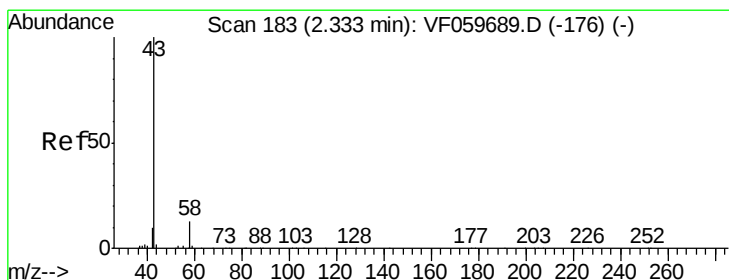
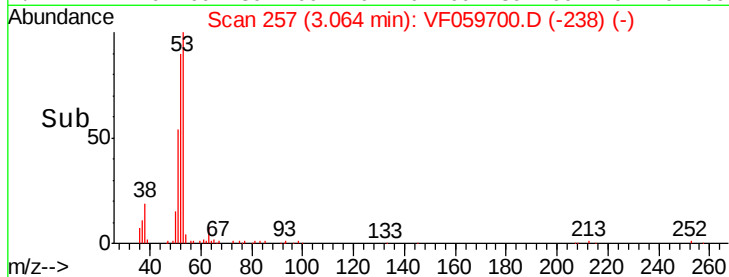
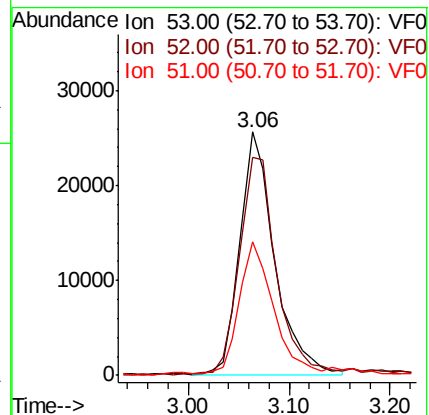
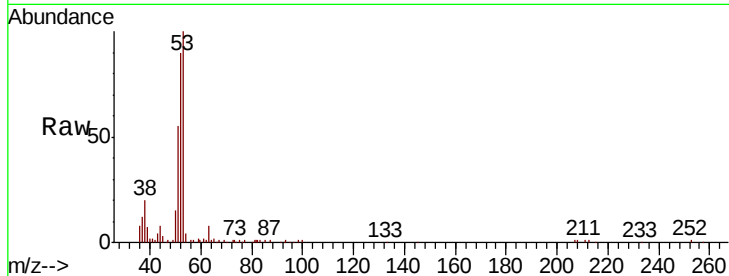
Tot Ion: 53 Resp: 62040

Ion Ratio Lower Upper

53 100

52 89.6 80.3 120.5

51 54.8 49.4 74.0



#16

Acetone

Concen: 287.093 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059700.D

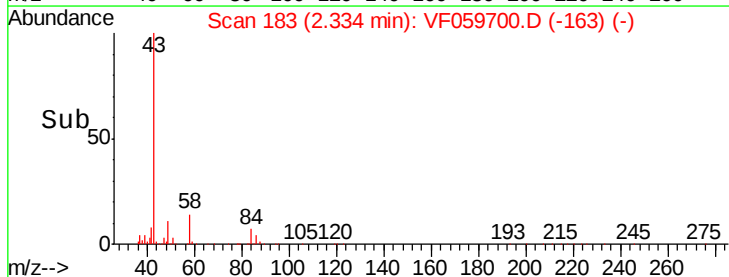
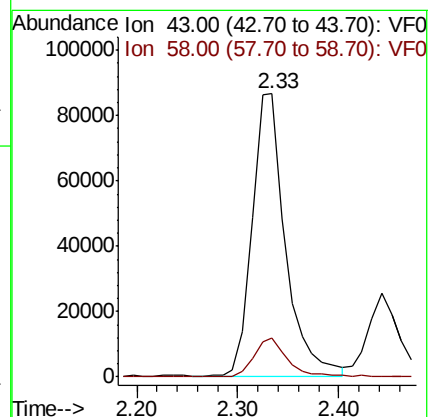
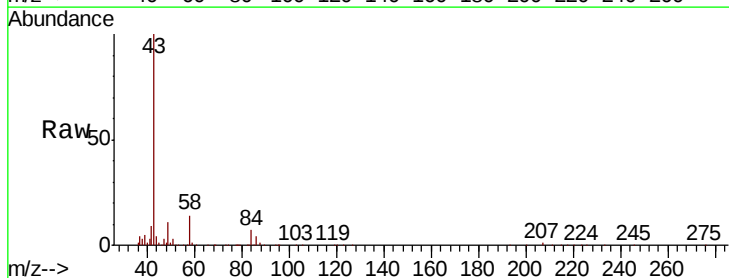
Acq: 31 Jul 2018 10:32

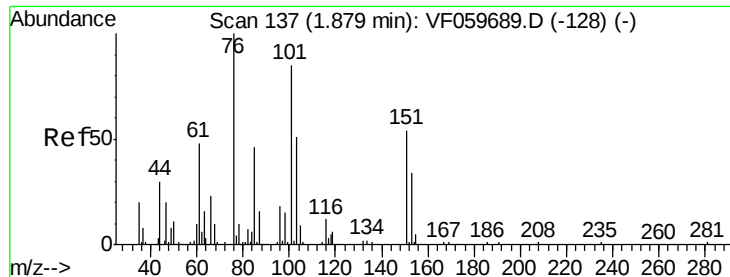
Tgt Ion: 43 Resp: 199456

Ion Ratio Lower Upper

43 100

58 13.7 10.1 15.1





#17

Carbon Disulfide

Concen: 16.055 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.04 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

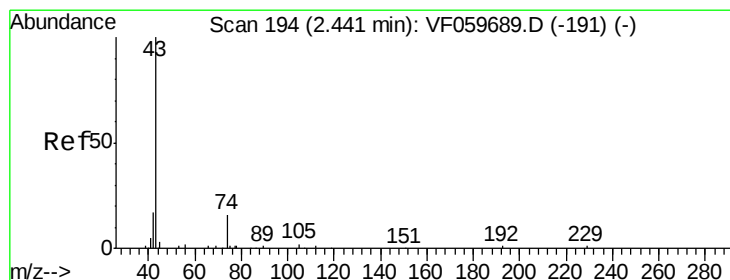
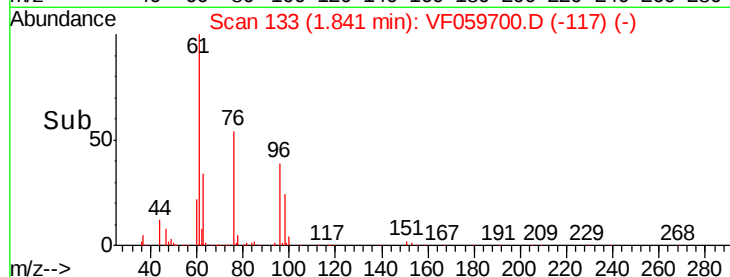
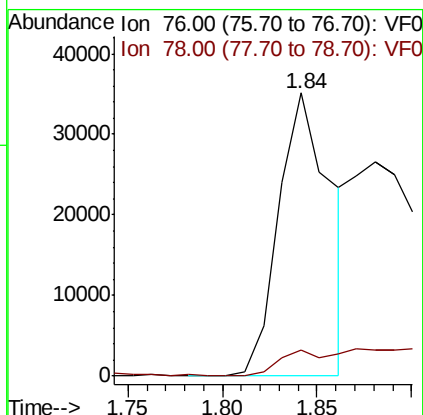
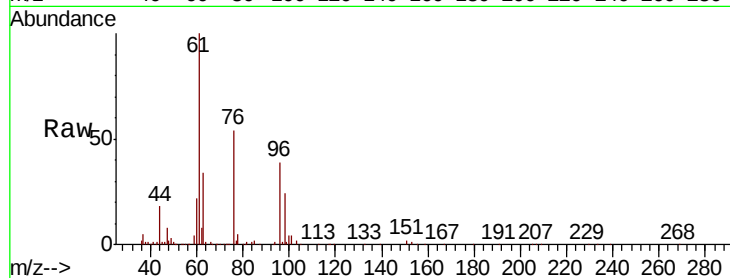
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 67422

Ion Ratio Lower Upper

76 100

78 9.3 8.9 13.3



#18

Methyl Acetate

Concen: 80.645 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.09 min

Lab File: VF059700.D

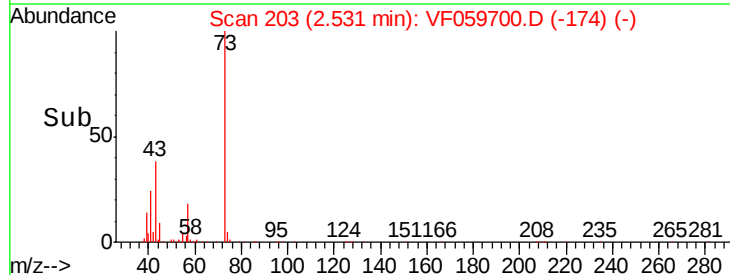
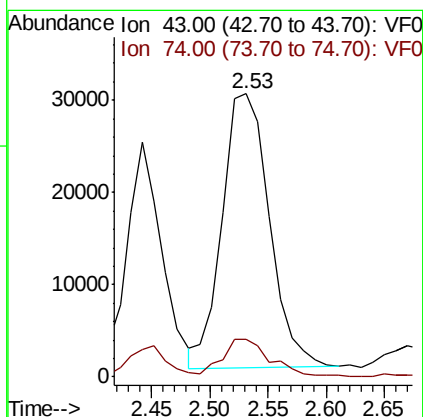
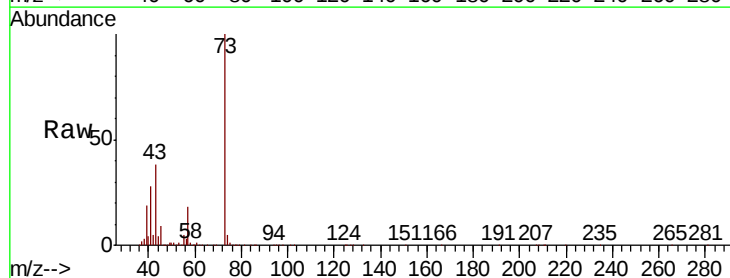
Acq: 31 Jul 2018 10:32

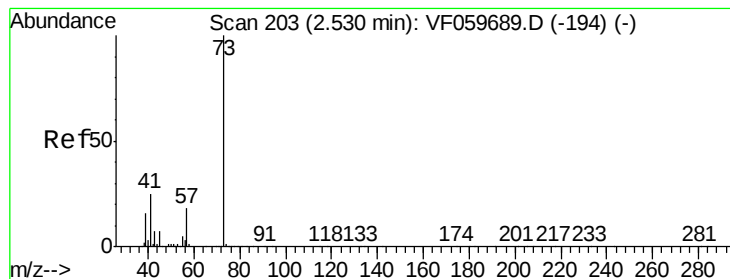
Tgt Ion: 43 Resp: 83684

Ion Ratio Lower Upper

43 100

74 13.4 11.8 17.6



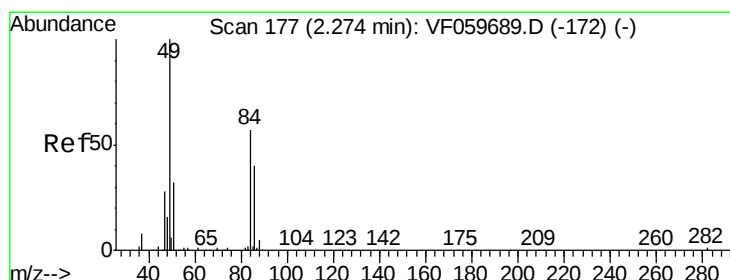
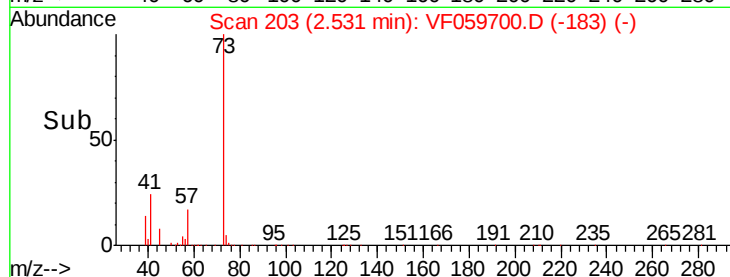
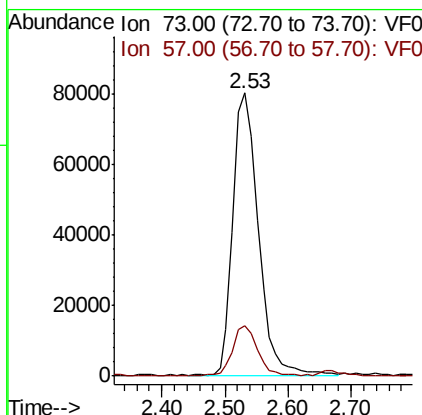
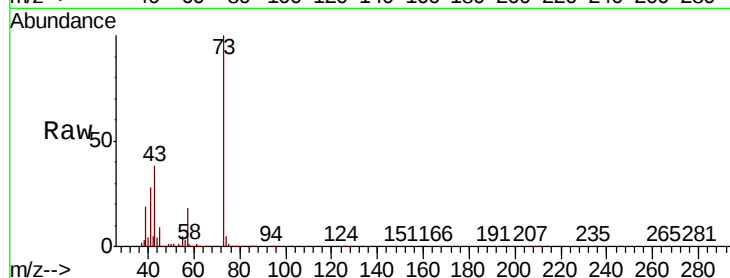


#19

Methyl tert-butyl Ether
 Concen: 44.192 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :

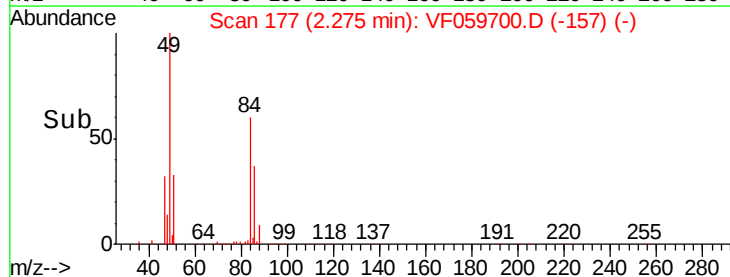
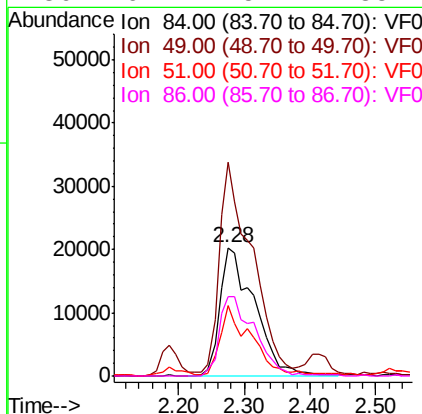
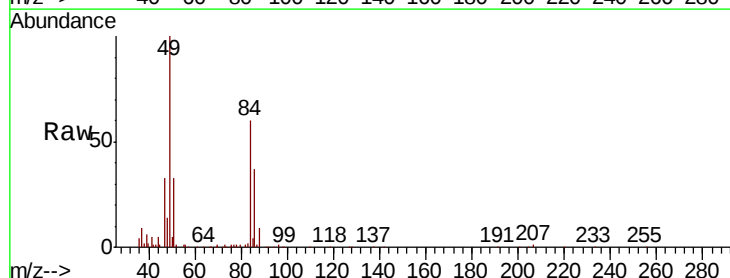
Tot Ion: 73 Resp: 224296
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.2 21.2

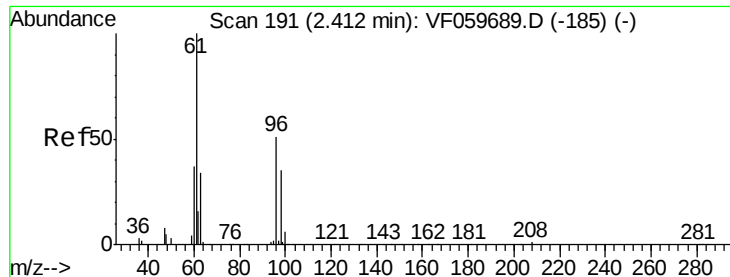


#20

Methylene Chloride
 Concen: 49.026 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion: 84 Resp: 74481
 Ion Ratio Lower Upper
 84 100
 49 166.7 142.2 213.4
 51 55.4 46.2 69.2
 86 61.7 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 49.717 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

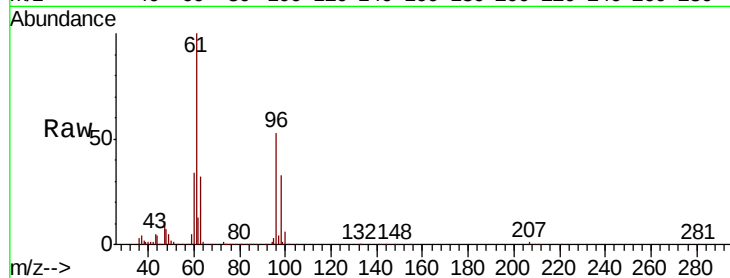
Tot Ion: 96 Resp: 72458

Ion Ratio Lower Upper

96 100

61 189.8 157.4 236.0

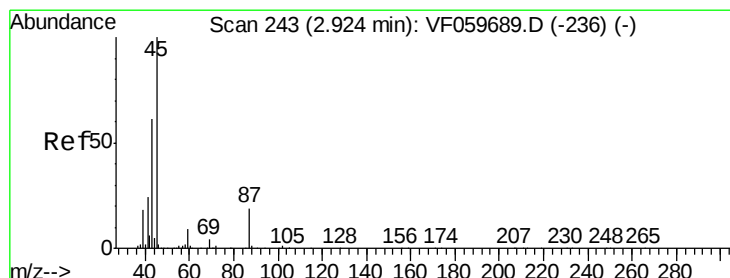
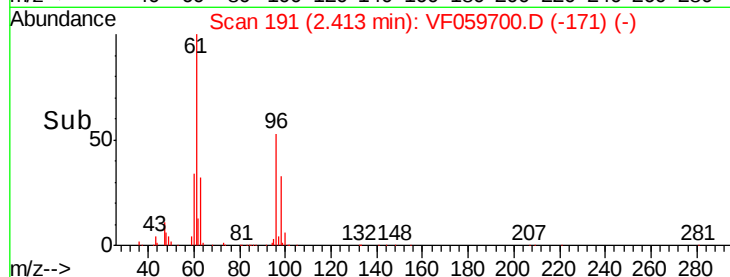
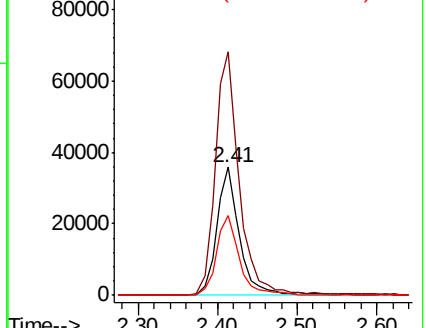
98 62.1 55.0 82.4



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: 47.306 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion: 45 Resp: 265832

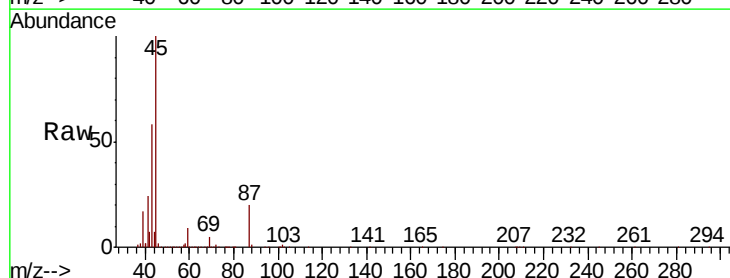
Ion Ratio Lower Upper

45 100

43 58.0 49.3 73.9

87 19.8 15.3 22.9

59 8.5 7.1 10.7

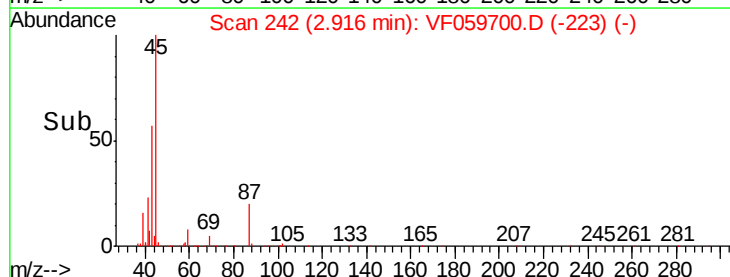
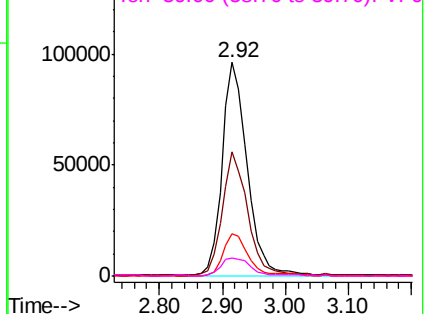


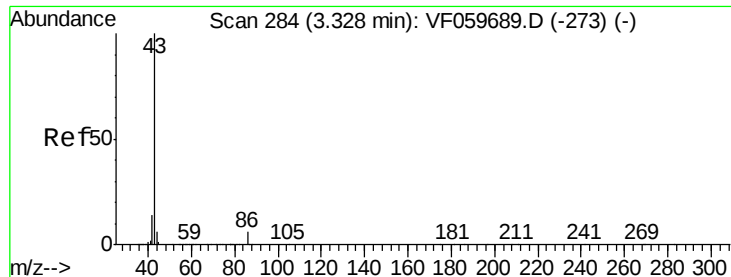
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 244.070 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

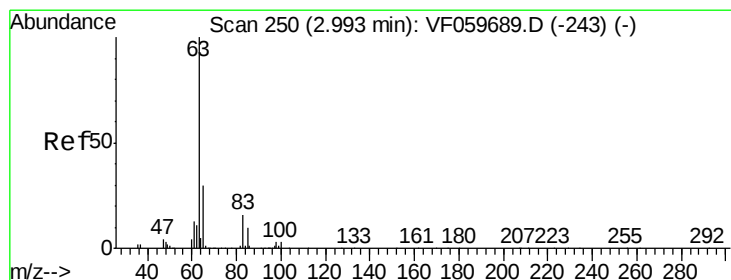
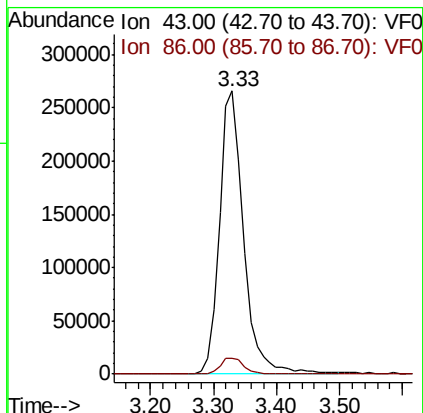
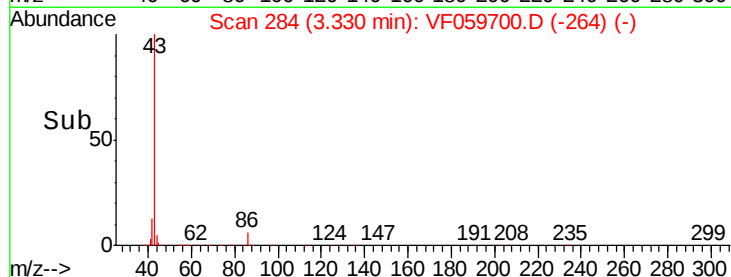
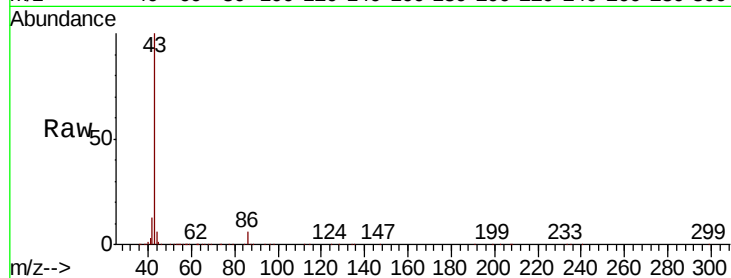
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 705140

Ion Ratio Lower Upper

43 100

86 5.8 4.6 6.8



#24

1,1-Dichloroethane

Concen: 45.760 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

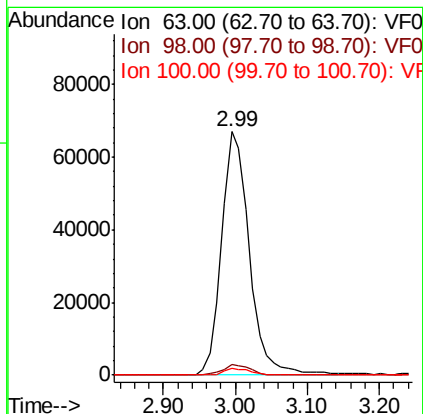
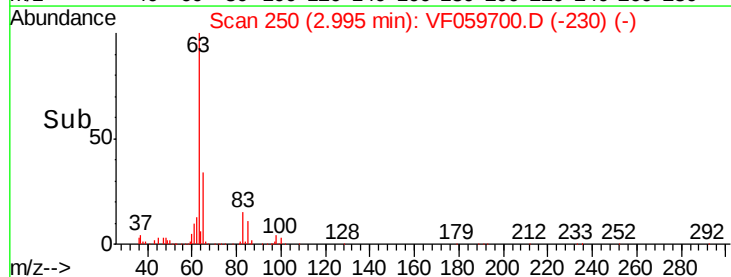
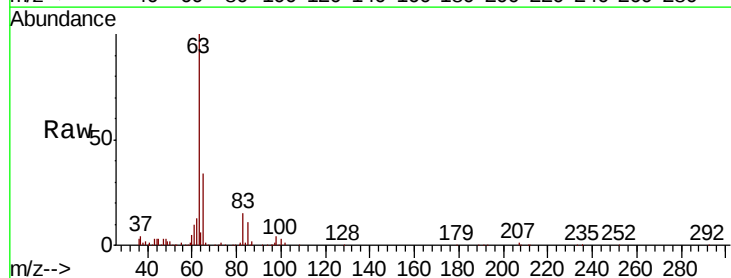
Tgt Ion: 63 Resp: 178652

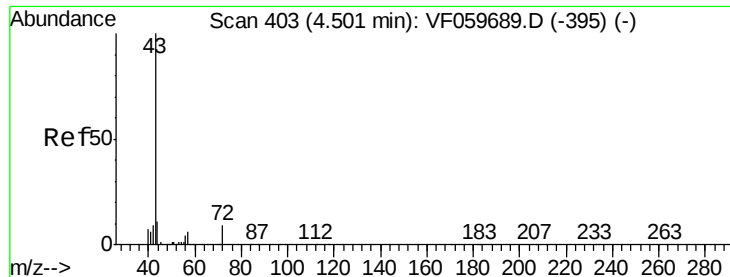
Ion Ratio Lower Upper

63 100

98 4.3 1.4 4.2#

100 2.8 1.6 4.7





#25

2-Butanone

Concen: 235.680 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

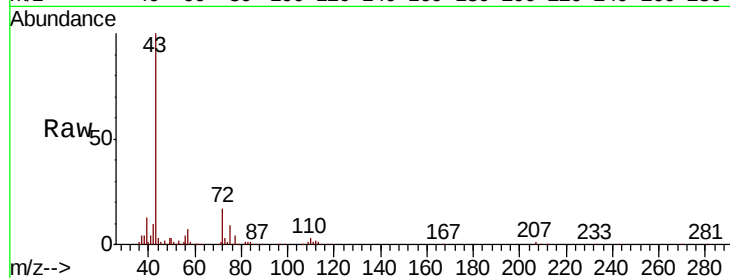
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 182730

Ion Ratio Lower Upper

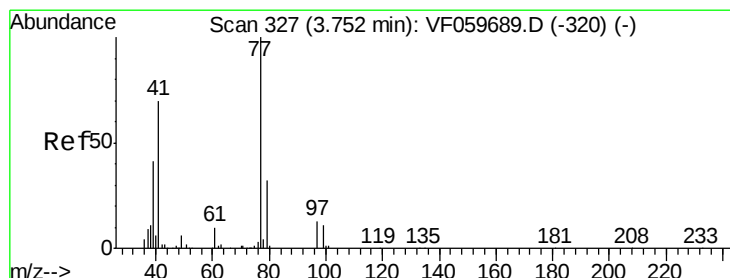
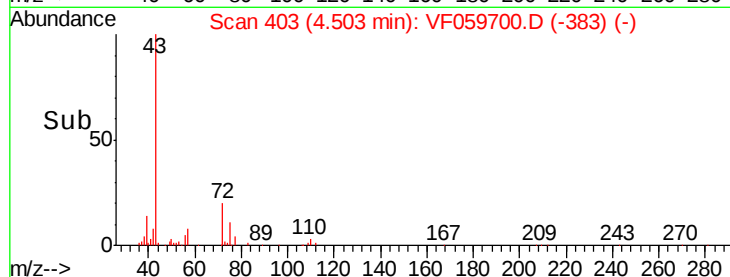
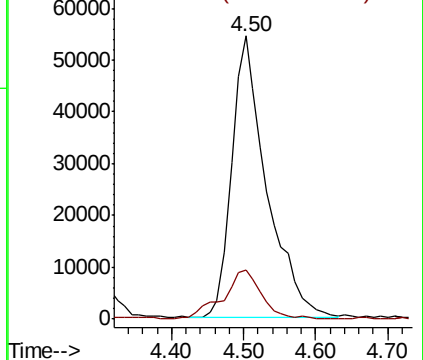
43 100

72 17.3 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 48.463 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059700.D

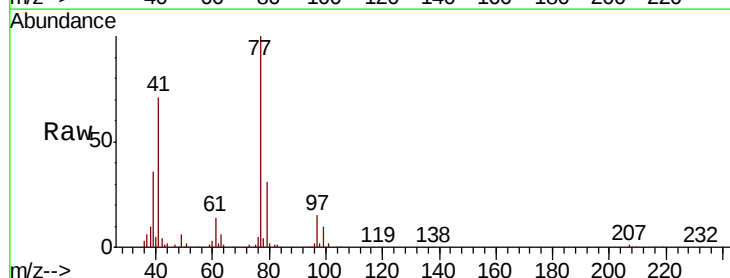
Acq: 31 Jul 2018 10:32

Tgt Ion: 77 Resp: 134876

Ion Ratio Lower Upper

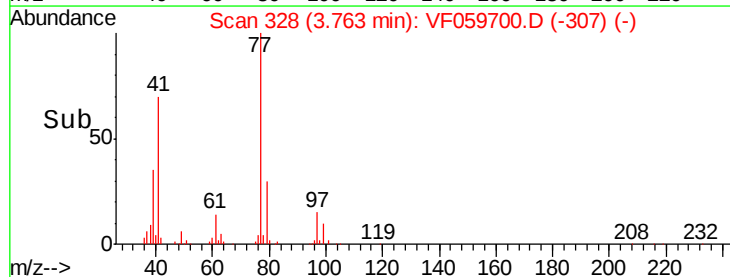
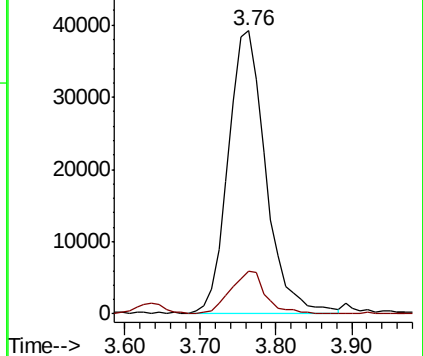
77 100

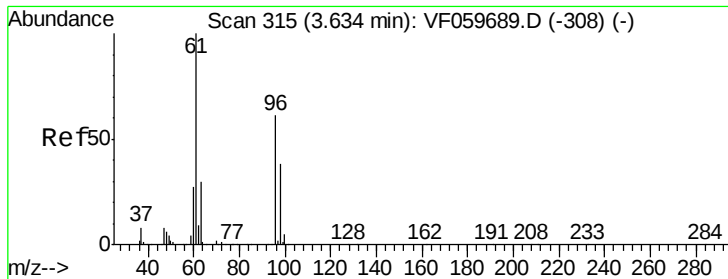
97 15.1 6.8 20.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



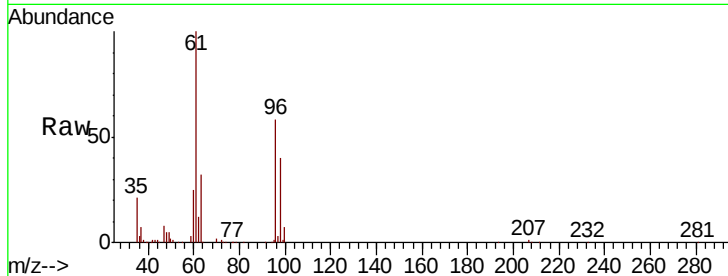


#27

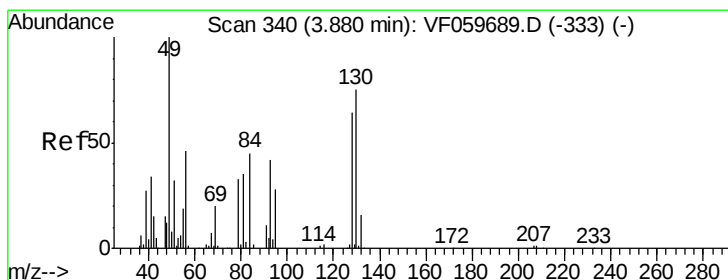
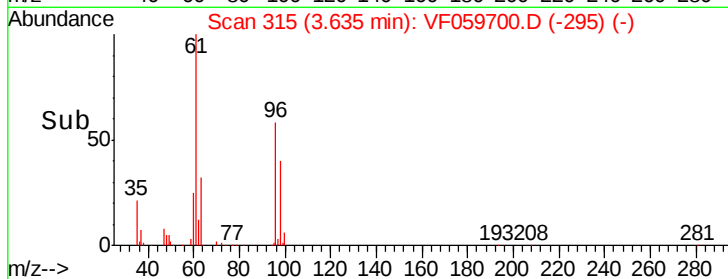
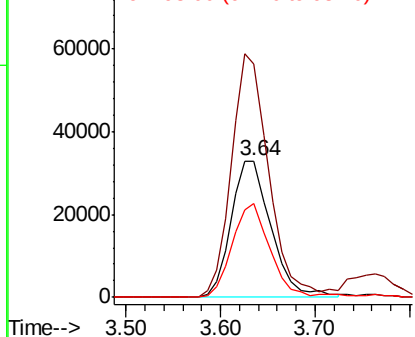
cis-1,2-Dichloroethene
Concen: 46.222 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.7	0.0	326.8
98	68.9	0.0	125.2



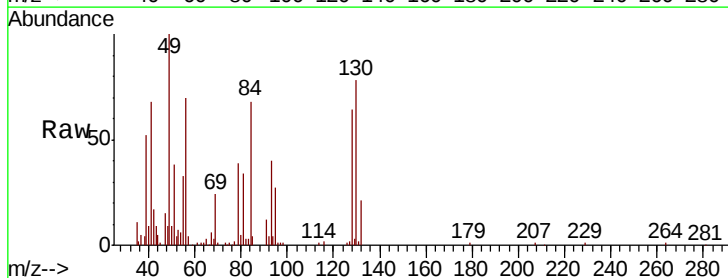
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



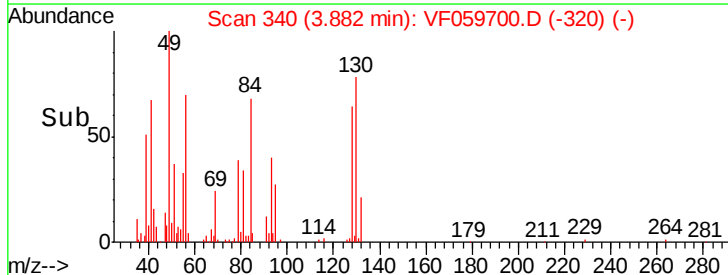
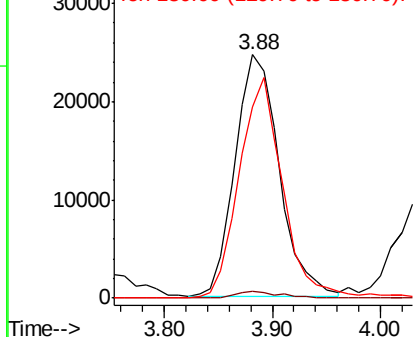
#28

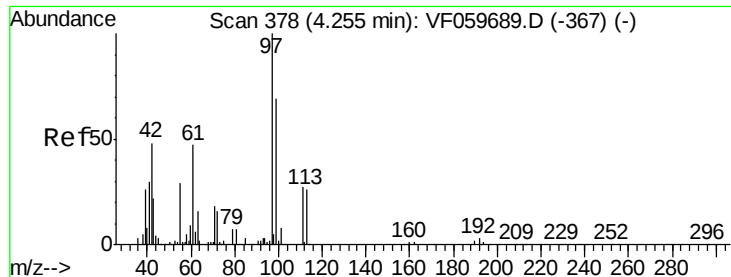
Bromochloromethane
Concen: 51.639 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	78.5	59.6	89.4



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

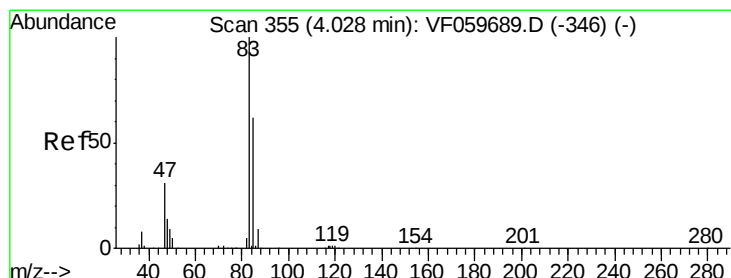
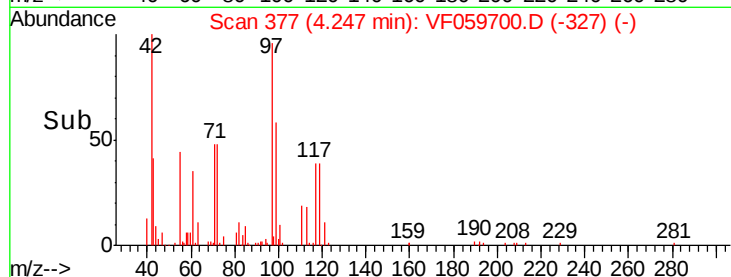
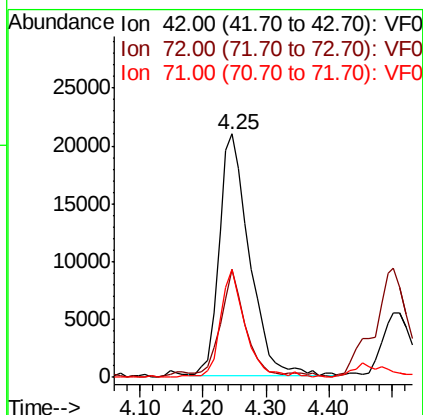
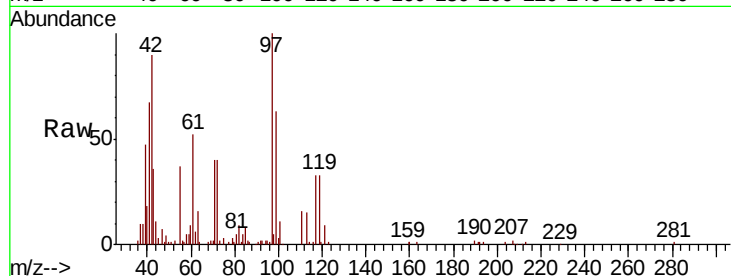




#29
Tetrahydrofuran
Concen: 234.119 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

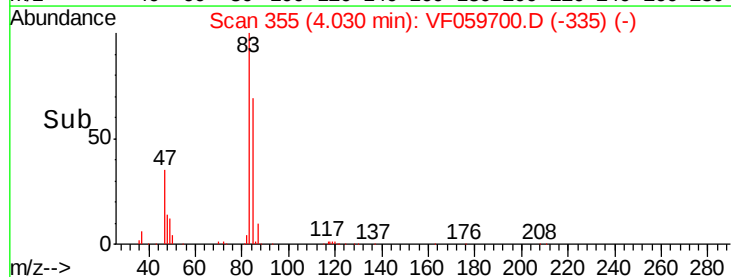
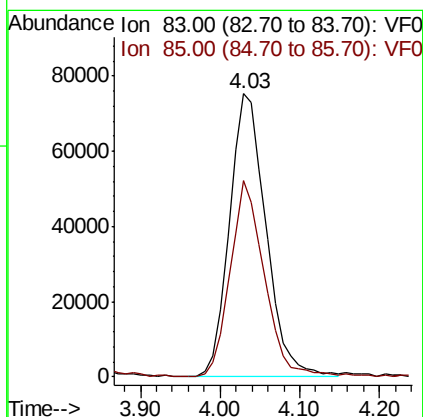
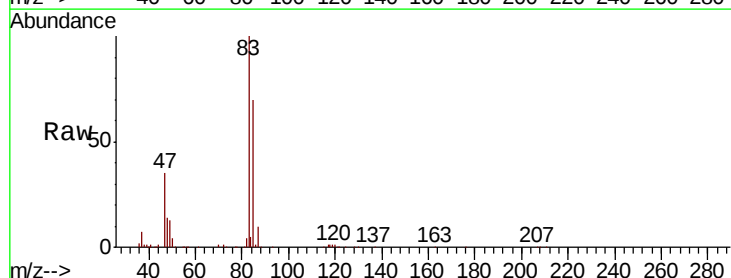
Instrument :
MSVOA_F
ClientSampleId :

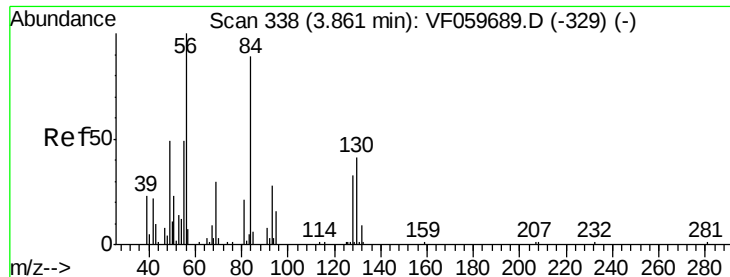
Tot Ion: 42 Resp: 69766
Ion Ratio Lower Upper
42 100
72 33.8 27.0 40.6
71 36.3 29.7 44.5



#30
Chloroform
Concen: 43.669 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 83 Resp: 240618
Ion Ratio Lower Upper
83 100
85 69.6 49.4 74.0

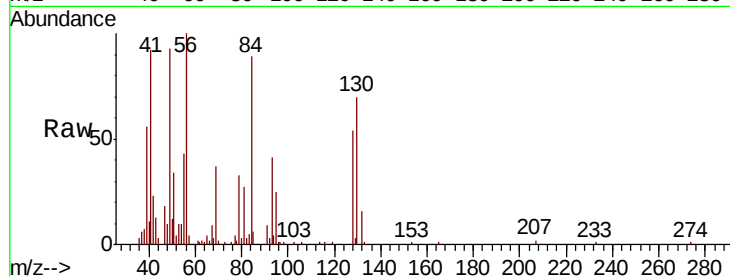




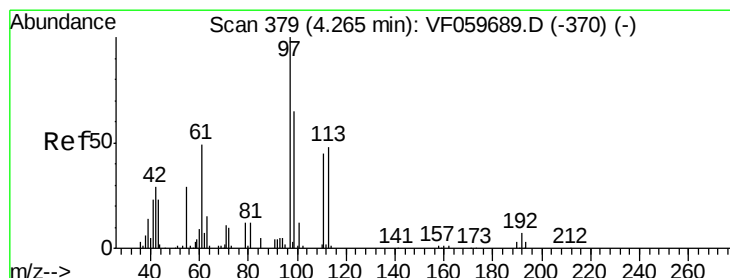
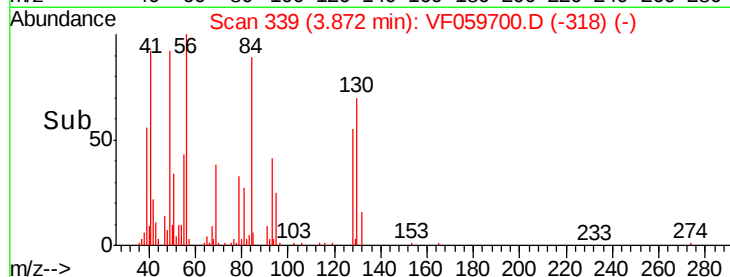
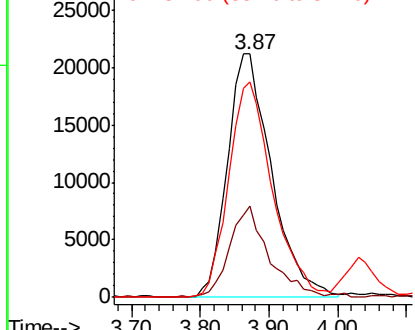
#31
Cyclohexane
Concen: 49.734 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 94147
Ion Ratio Lower Upper
56 100
69 37.3 23.7 35.5#
84 88.6 71.1 106.7

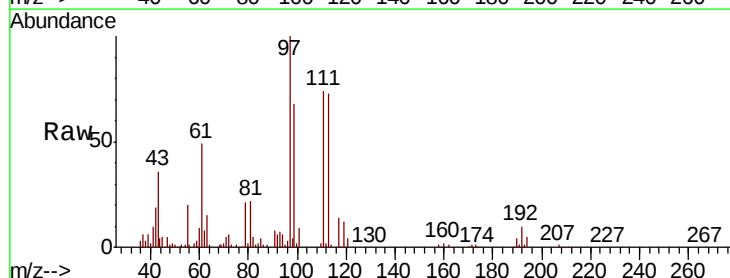


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

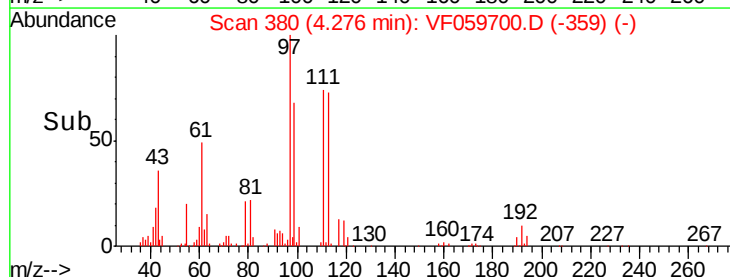
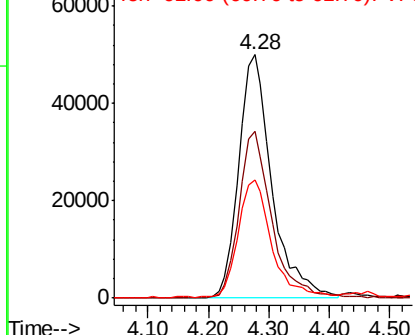


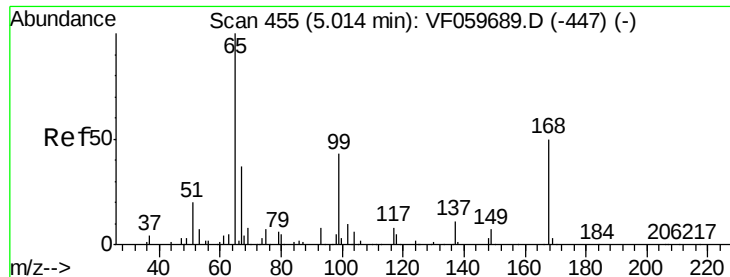
#32
1,1,1-Trichloroethane
Concen: 44.550 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 97 Resp: 190409
Ion Ratio Lower Upper
97 100
99 68.4 52.4 78.6
61 48.8 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

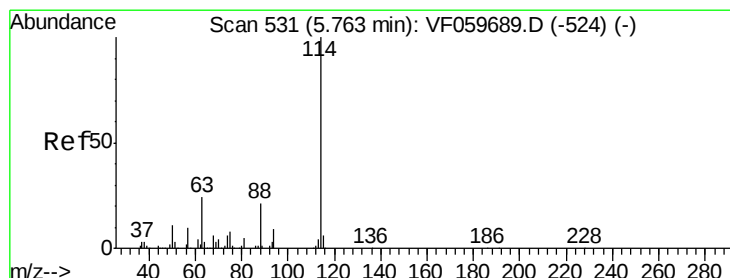
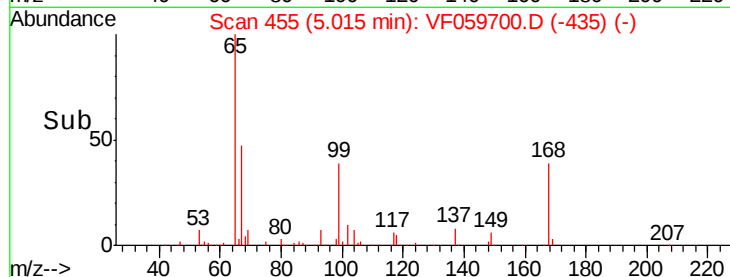
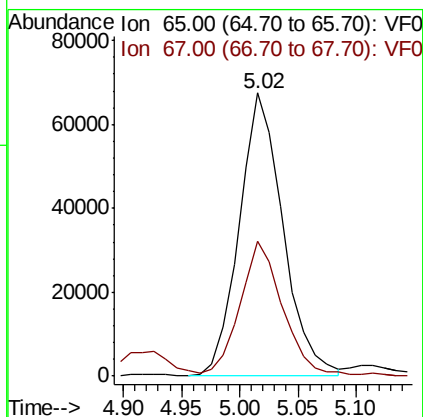
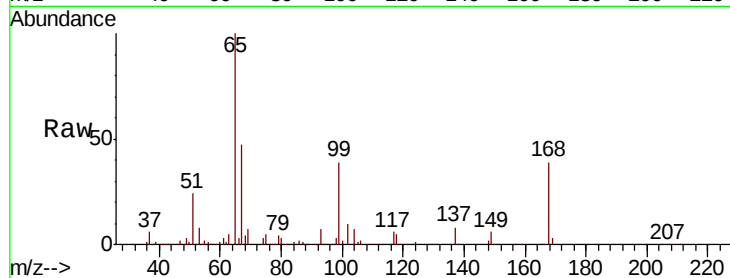




#33
 1,2-Dichloroethane-d4
 Concen: 45.332 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

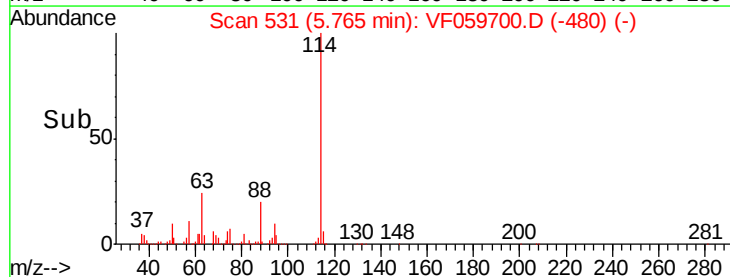
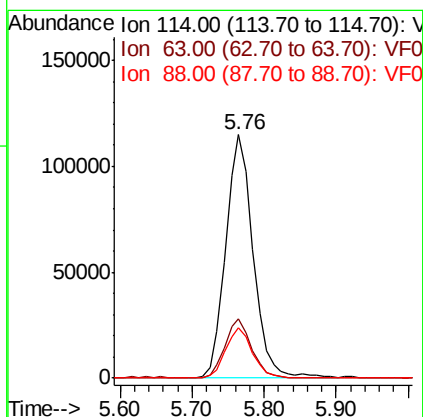
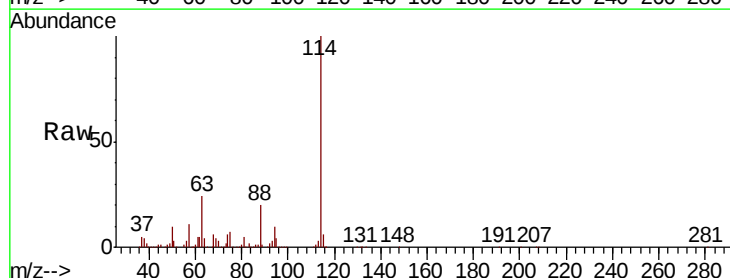
Instrument :
 MSVOA_F
 ClientSampleId :

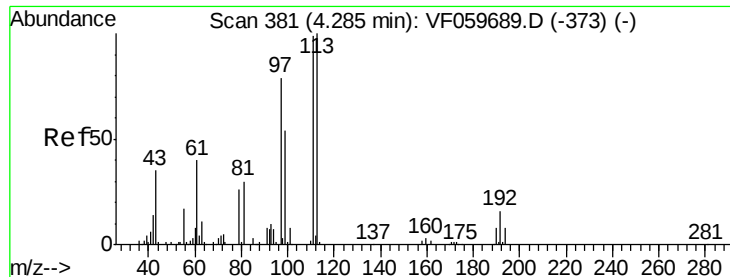
Tot Ion: 65 Resp: 175091
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion: 114 Resp: 303847
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 47.4
 88 20.5 0.0 41.2

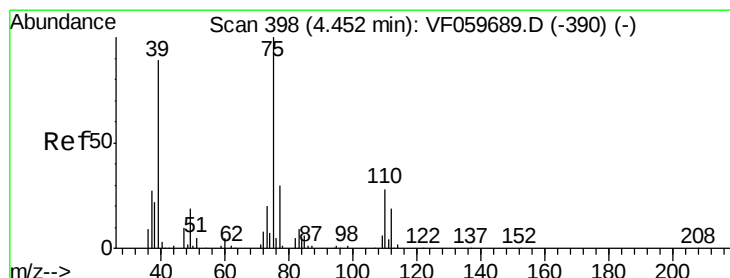
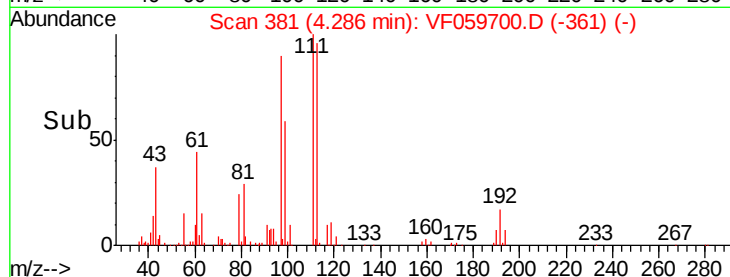
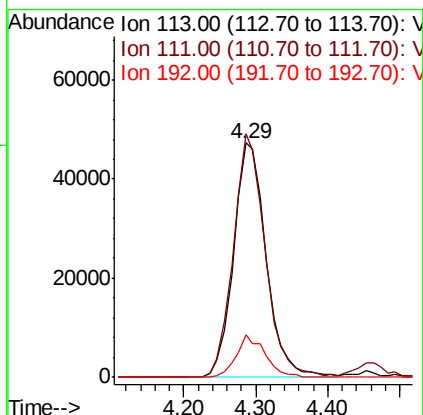
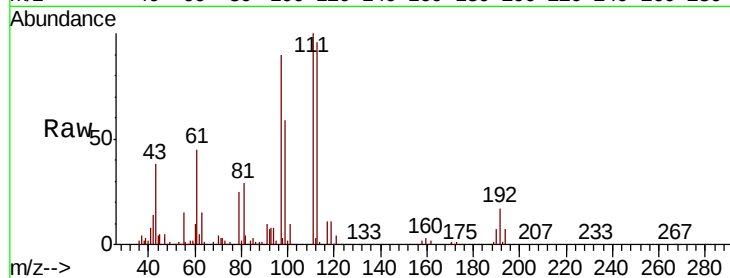




#35
Dibromofluoromethane
Concen: 47.260 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

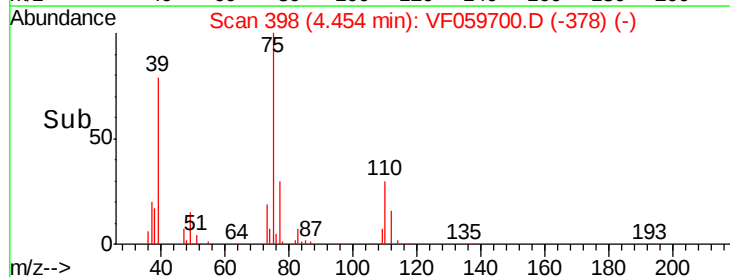
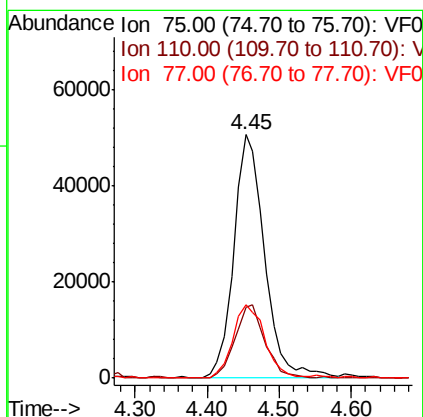
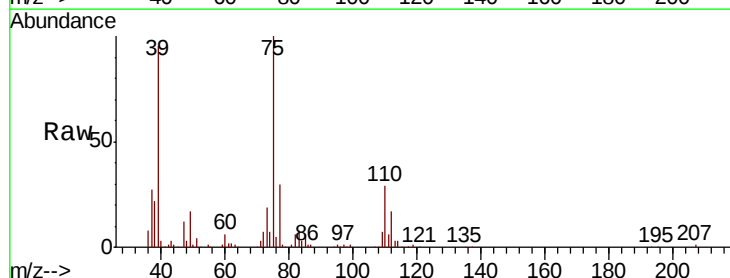
Instrument :
MSVOA_F
ClientSampleId :

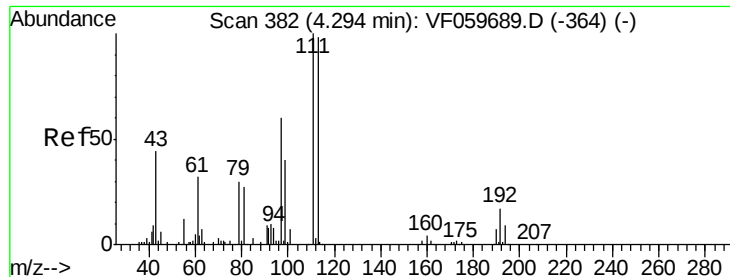
Tot Ion:113 Resp: 149148
Ion Ratio Lower Upper
113 100
111 104.0 79.0 118.4
192 18.3 13.2 19.8



#36
1,1-Dichloropropene
Concen: 49.155 ug/l
RT: 4.45 min Scan# 398
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 75 Resp: 151406
Ion Ratio Lower Upper
75 100
110 29.3 14.0 41.9
77 30.4 24.2 36.2

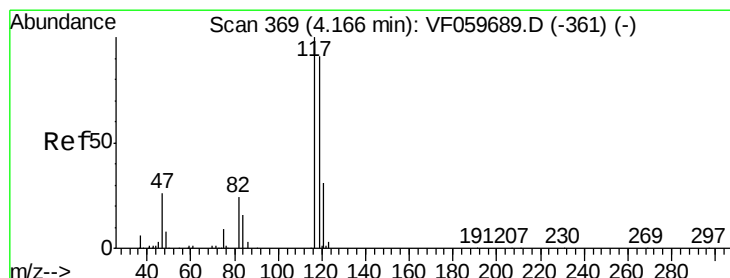
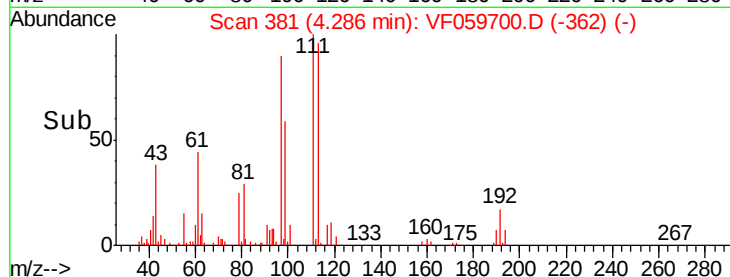
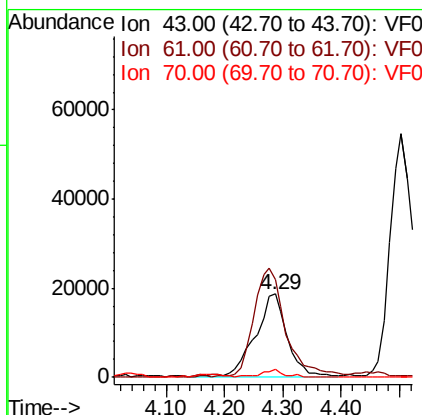
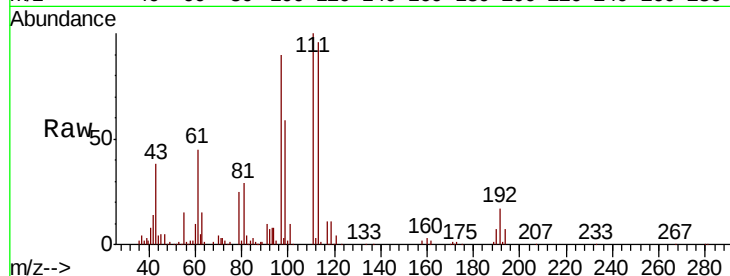




#37
Ethyl Acetate
Concen: 46.934 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

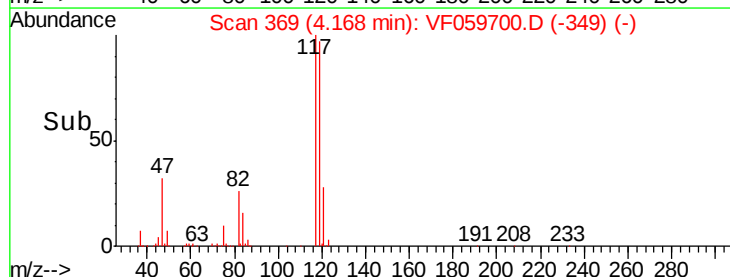
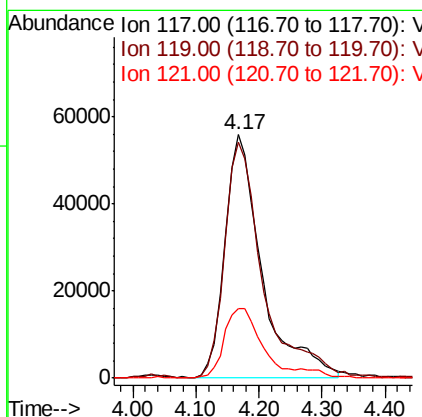
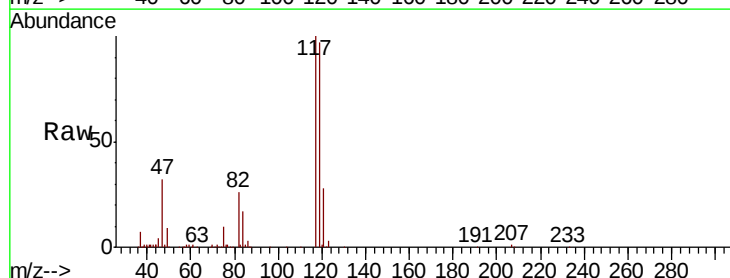
Instrument :
MSVOA_F
ClientSampleId :

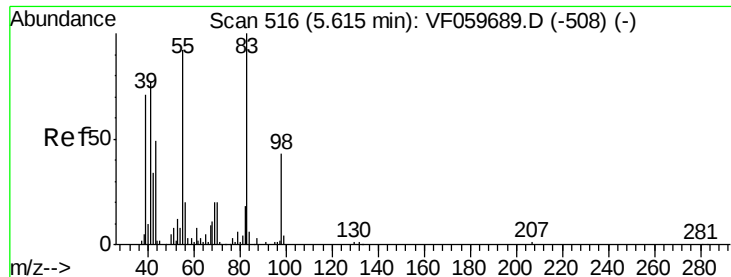
Tot Ion: 43 Resp: 71598
Ion Ratio Lower Upper
43 100
61 117.2 58.2 87.2#
70 10.4 6.0 9.0#



#38
Carbon Tetrachloride
Concen: 47.071 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion:117 Resp: 227398
Ion Ratio Lower Upper
117 100
119 97.1 72.9 109.3
121 28.5 25.0 37.4

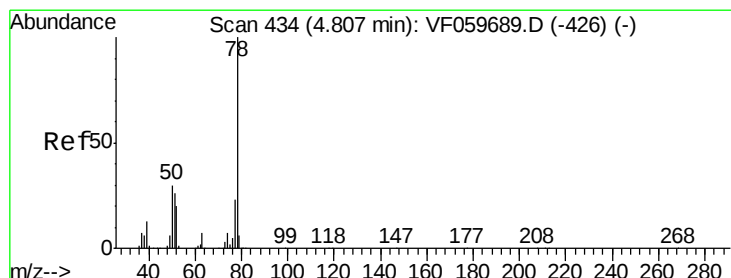
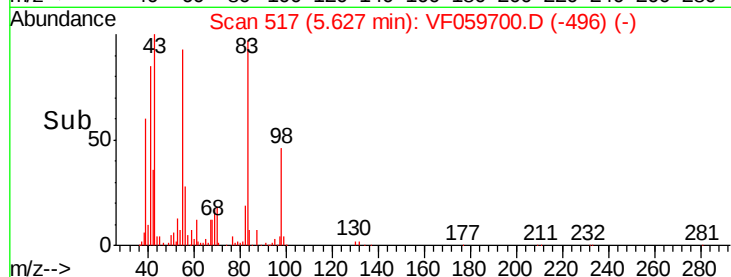
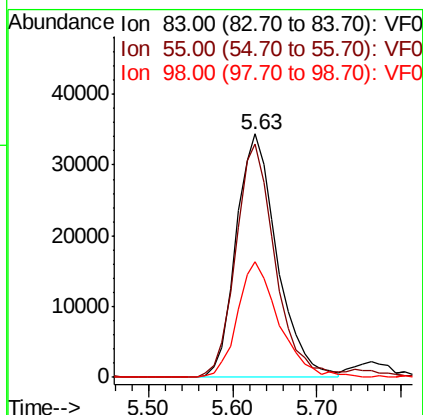
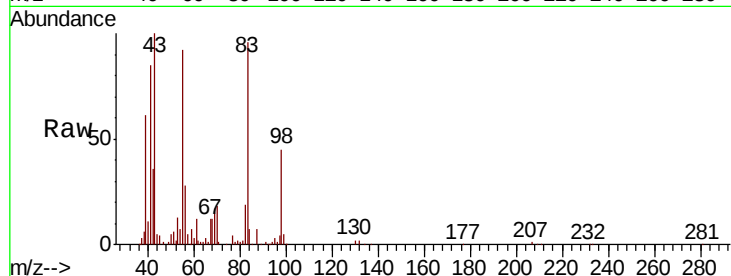




#39
Methvlcvclohexane
Concen: 49.742 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

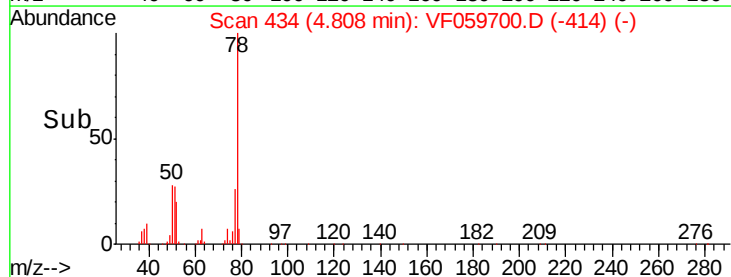
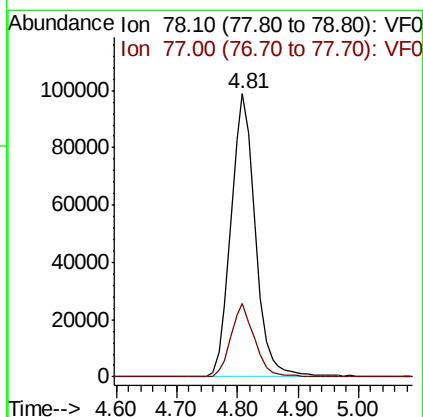
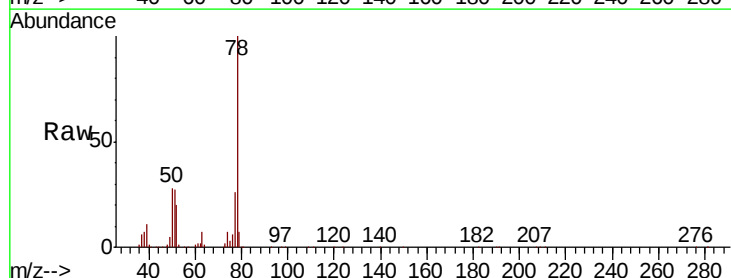
Instrument :
MSVOA_F
ClientSampleId :

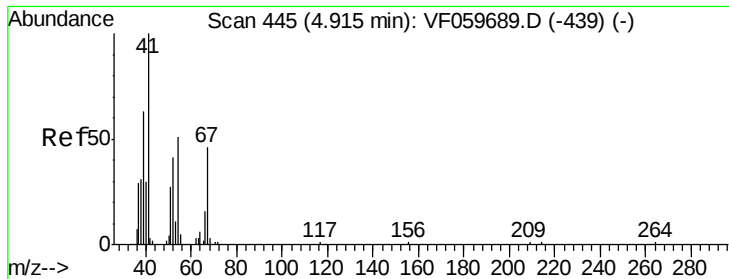
Tot Ion: 83 Resp: 116714
Ion Ratio Lower Upper
83 100
55 96.0 73.4 110.2
98 47.2 34.2 51.4



#40
Benzene
Concen: 45.221 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 78 Resp: 277480
Ion Ratio Lower Upper
78 100
77 25.9 18.9 28.3

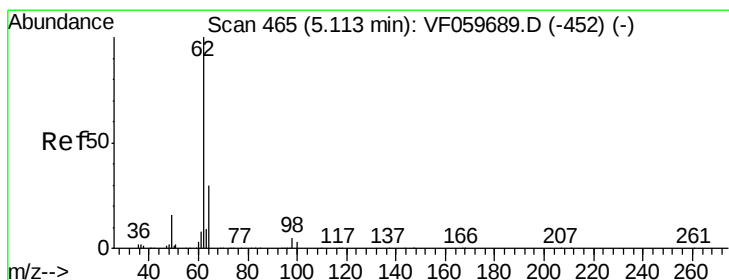
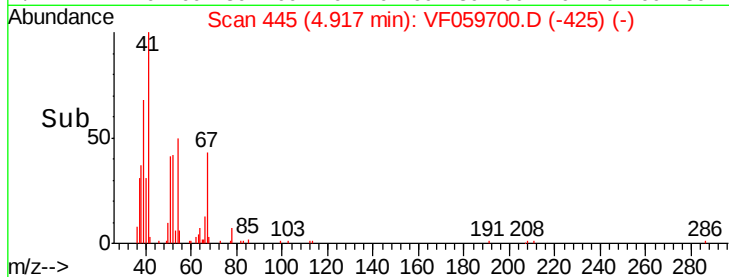
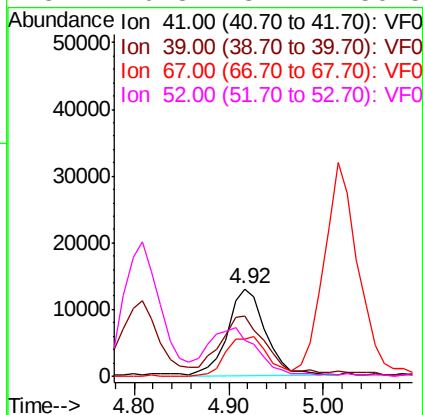
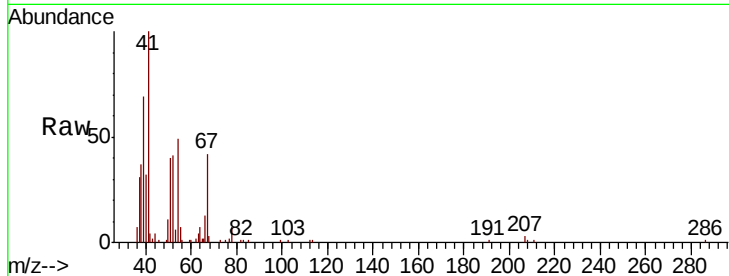




#41
Methacrylonitrile
Concen: 47.406 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

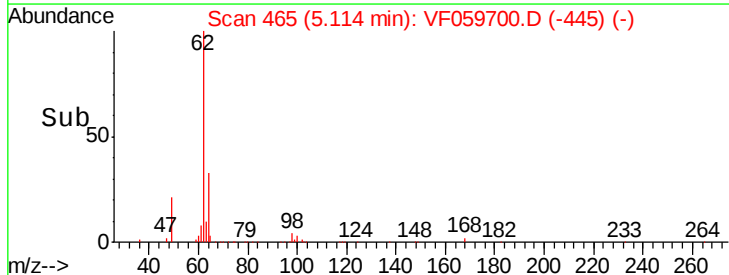
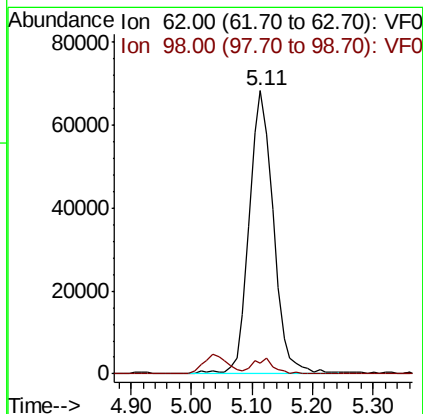
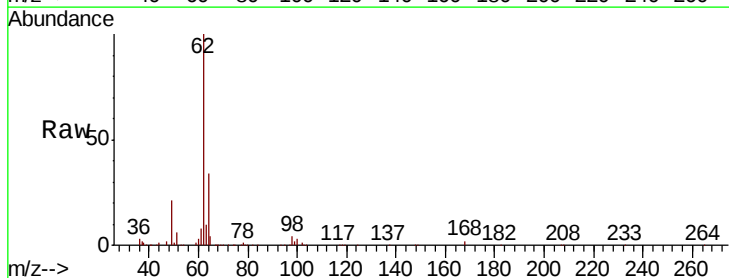
Instrument :
MSVOA_F
ClientSampled :

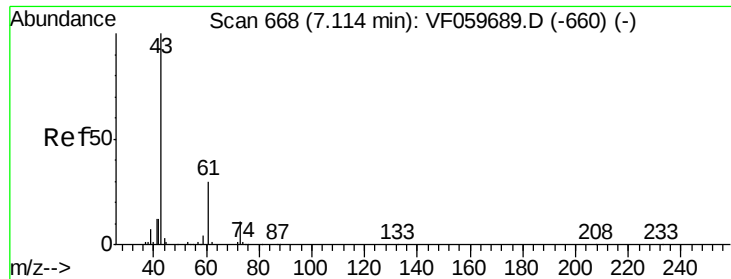
Tot Ion:	41	Resp:	36372
Ion	Ratio	Lower	Upper
41	100		
39	69.4	55.2	82.8
67	42.3	36.2	54.2
52	40.8	37.7	56.5



#42
1,2-Dichloroethane
Concen: 44.644 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion:	62	Resp:	191717
Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	9.6



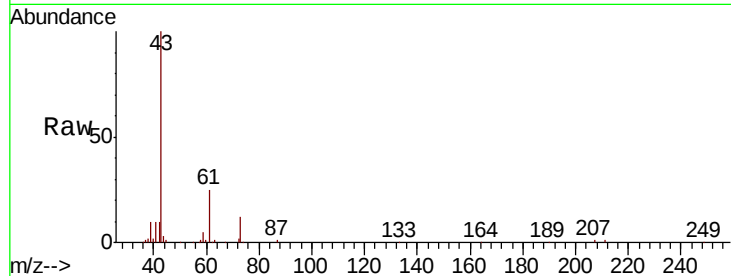


#43

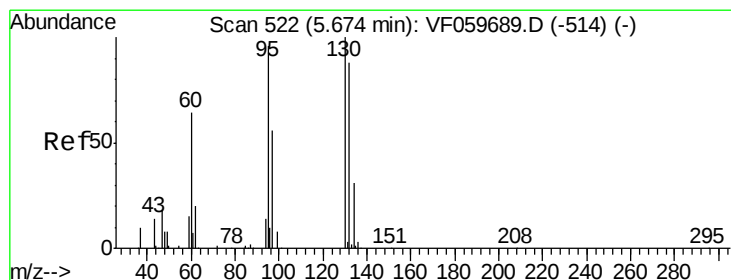
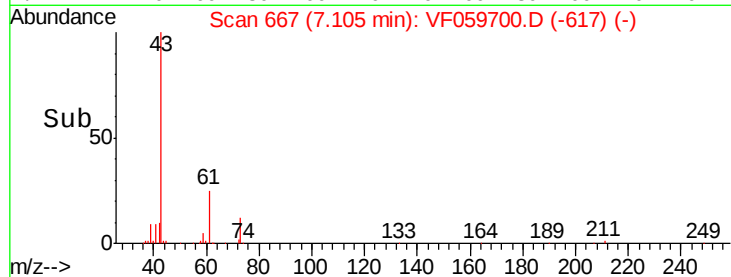
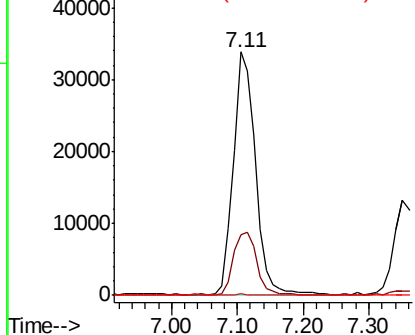
Isopropyl Acetate
 Concen: 44.478 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 80811
 Ion Ratio Lower Upper
 43 100
 61 24.6 23.8 35.8
 87 0.7 0.6 1.0



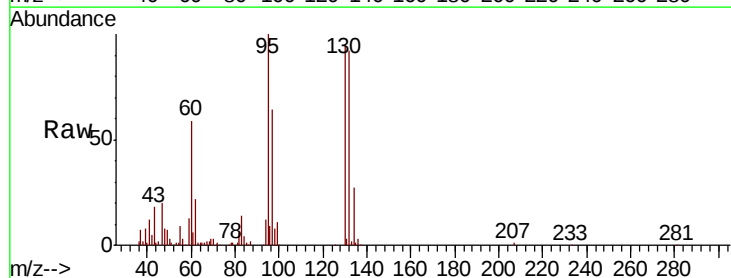
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



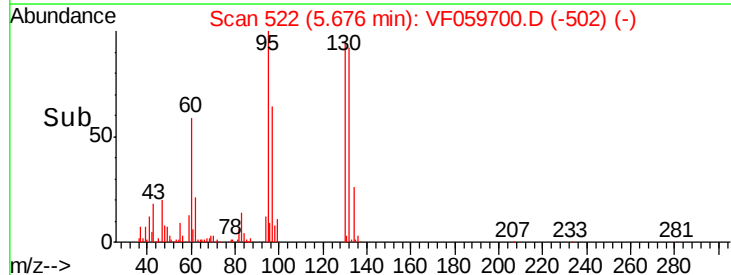
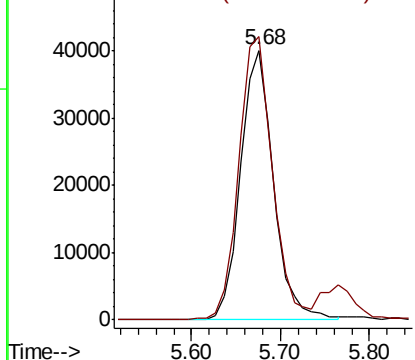
#44

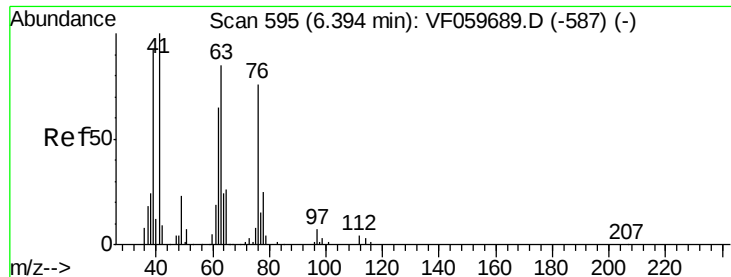
Trichloroethene
 Concen: 49.768 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion:130 Resp: 102475
 Ion Ratio Lower Upper
 130 100
 95 105.0 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: 47.296 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

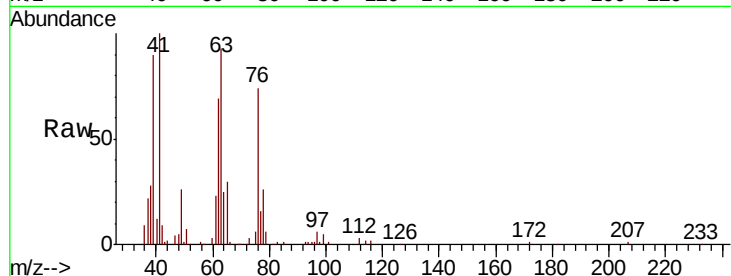
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 76641

Ion Ratio Lower Upper

63 100

65 31.9 25.2 37.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.41

30000

25000

20000

15000

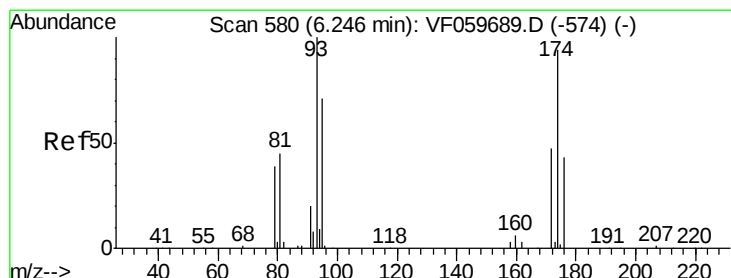
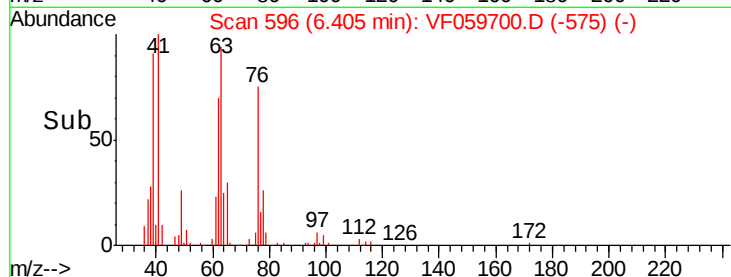
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 45.397 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

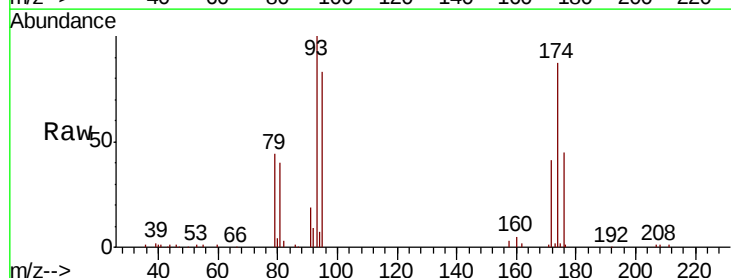
Tgt Ion: 93 Resp: 69843

Ion Ratio Lower Upper

93 100

95 83.2 57.1 85.7

174 87.1 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

6.25

30000

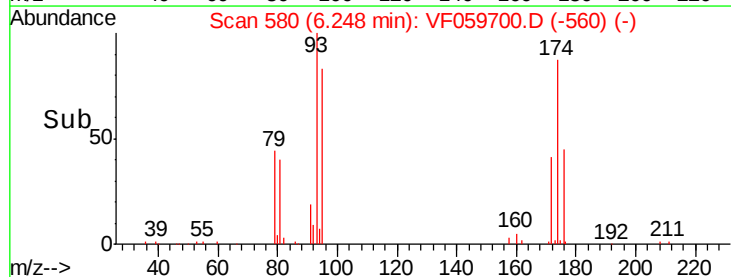
20000

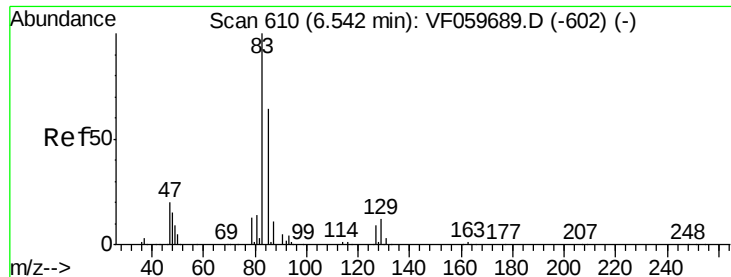
10000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 46.553 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

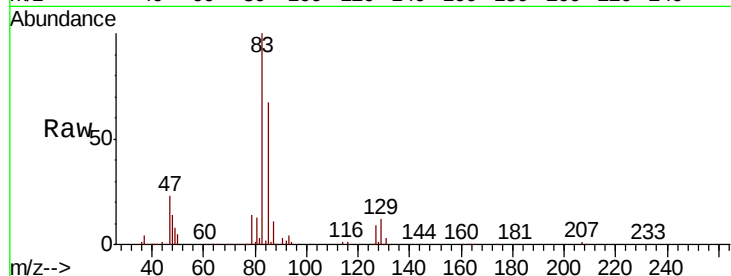
Tot Ion: 83 Resp: 195039

Ion Ratio Lower Upper

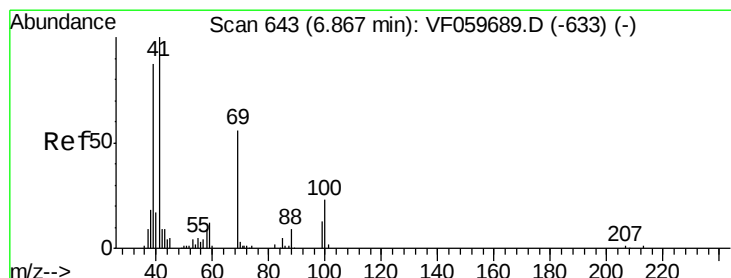
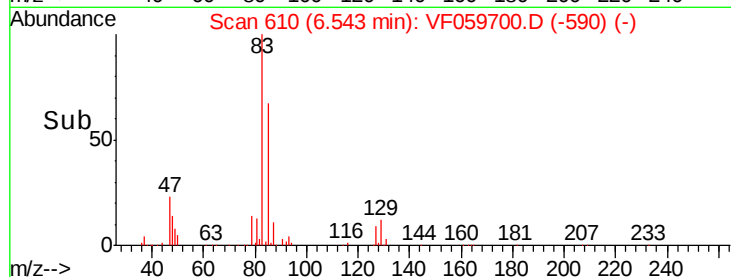
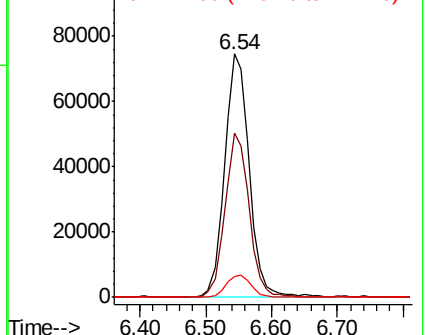
83 100

85 67.4 51.0 76.6

127 8.6 7.3 10.9



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



#48

Methyl methacrylate

Concen: 46.269 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

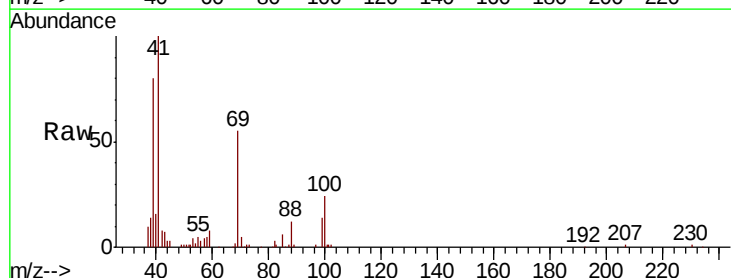
Tgt Ion: 41 Resp: 63231

Ion Ratio Lower Upper

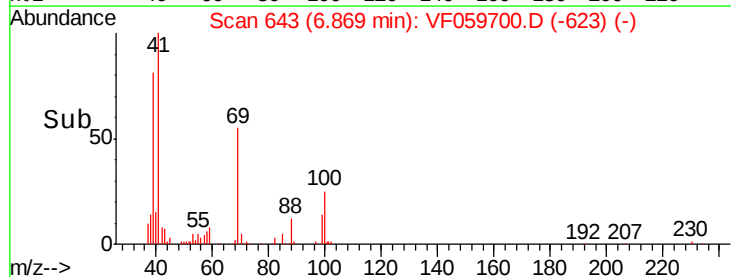
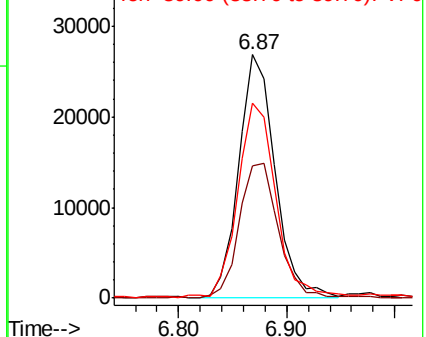
41 100

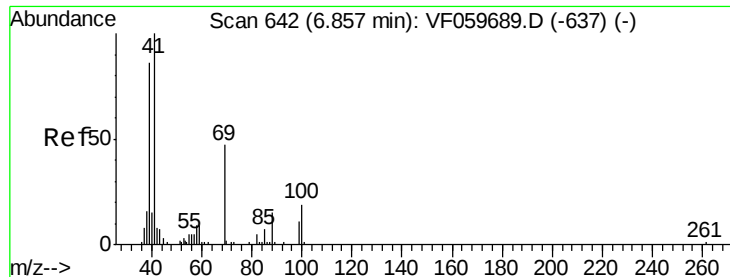
69 54.5 44.4 66.6

39 79.9 69.4 104.2



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





#49

1,4-Dioxane

Concen: 1083.455 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

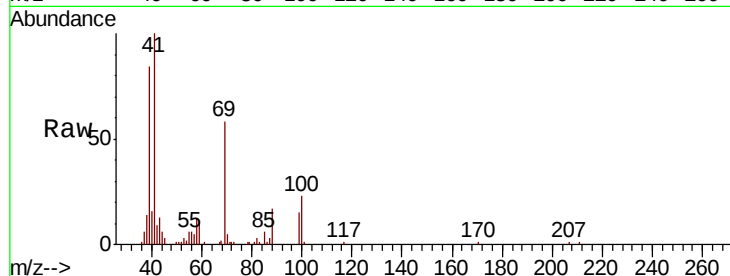
Tot Ion: 88 Resp: 9560

Ion Ratio Lower Upper

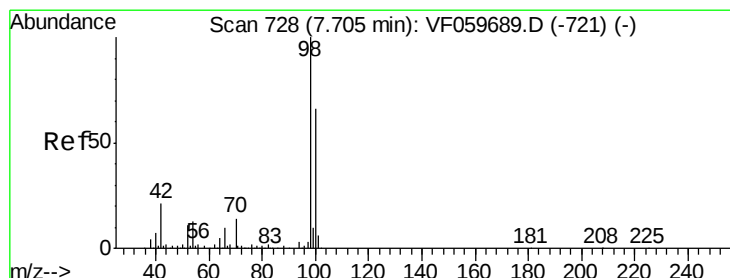
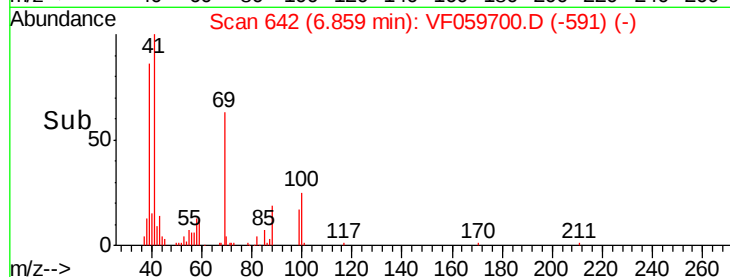
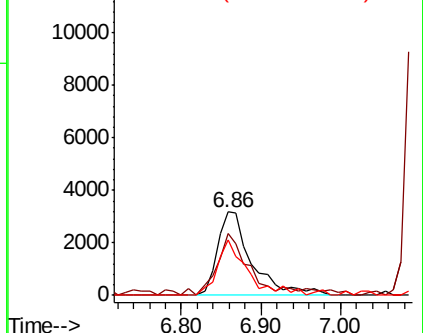
88 100

43 73.8 45.2 67.8#

58 66.9 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: 47.333 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059700.D

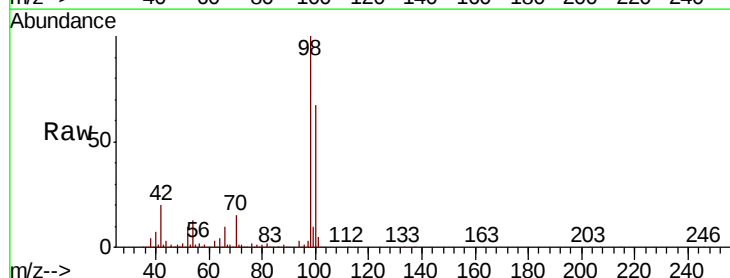
Acq: 31 Jul 2018 10:32

Tgt Ion: 98 Resp: 348345

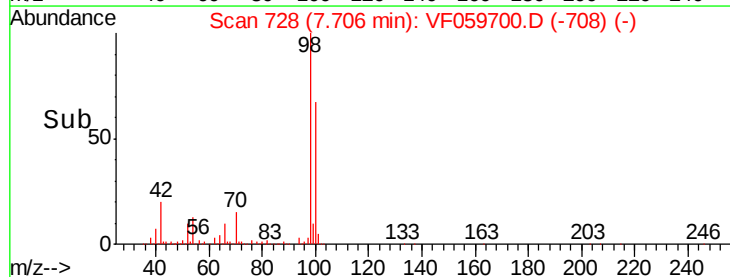
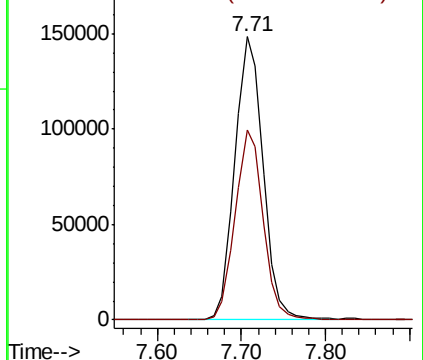
Ion Ratio Lower Upper

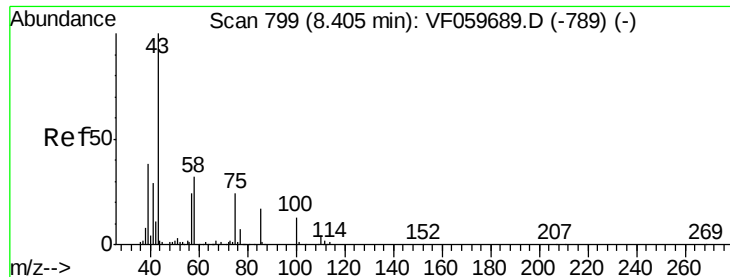
98 100

100 67.2 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: 238.260 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

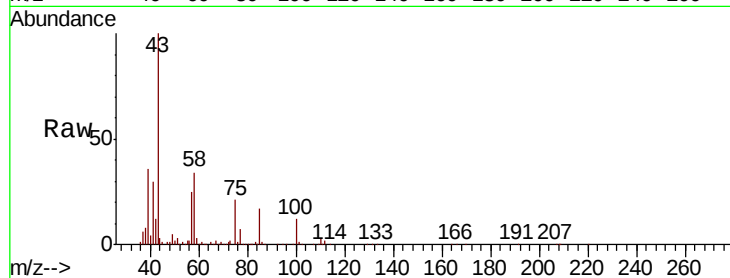
ClientSampleId :

Tot Ion: 43 Resp: 329296

Ion Ratio Lower Upper

43 100

58 34.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

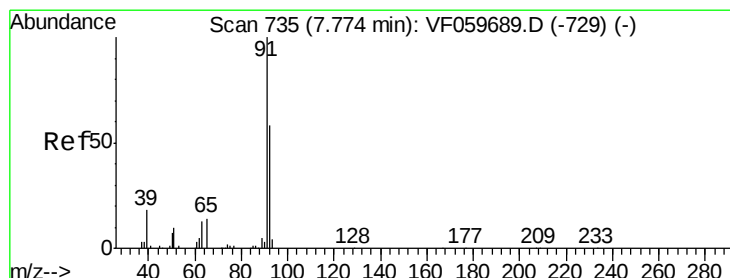
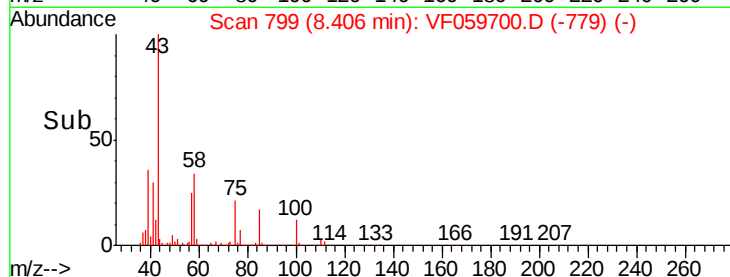
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 47.323 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059700.D

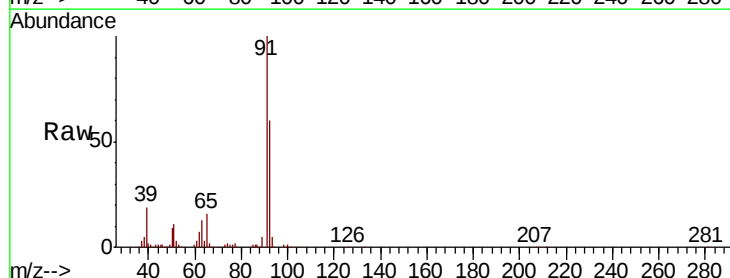
Acq: 31 Jul 2018 10:32

Tgt Ion: 92 Resp: 193894

Ion Ratio Lower Upper

92 100

91 167.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

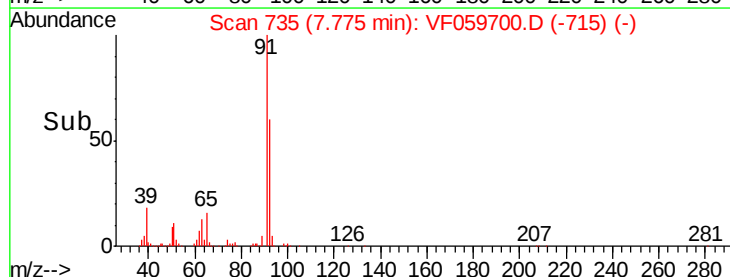
150000

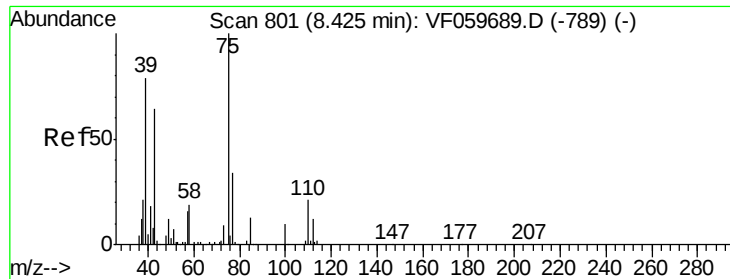
100000

50000

0

Time-->

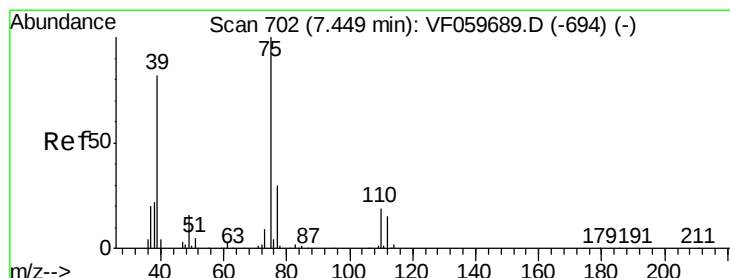
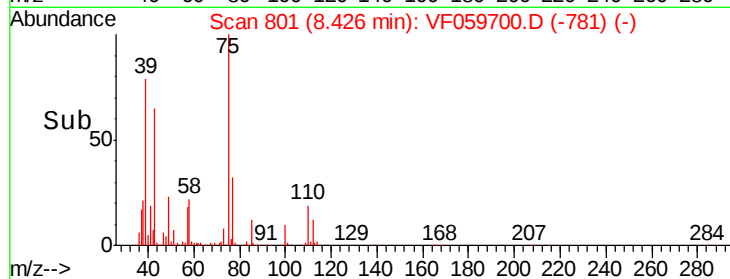
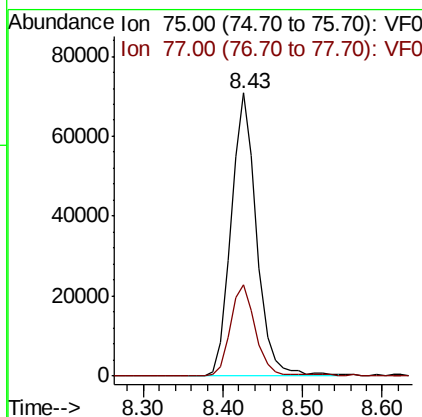
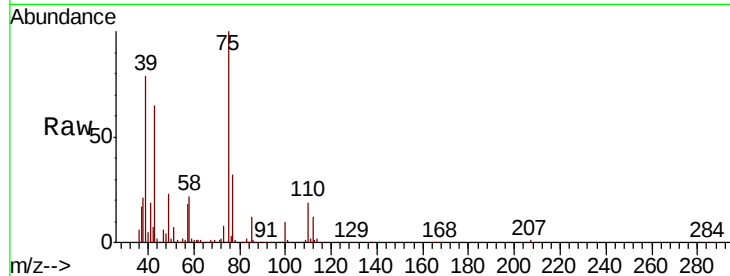




#53
 t-1,3-Dichloropropene
 Concen: 43.531 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

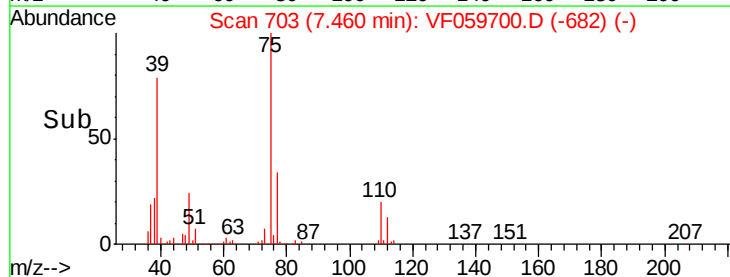
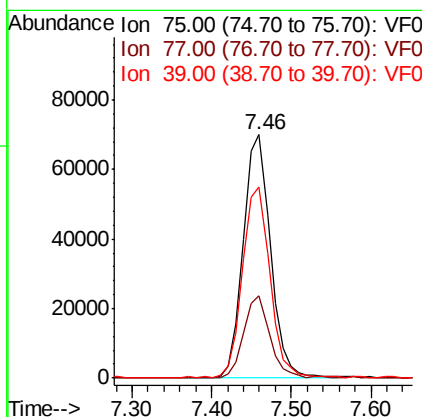
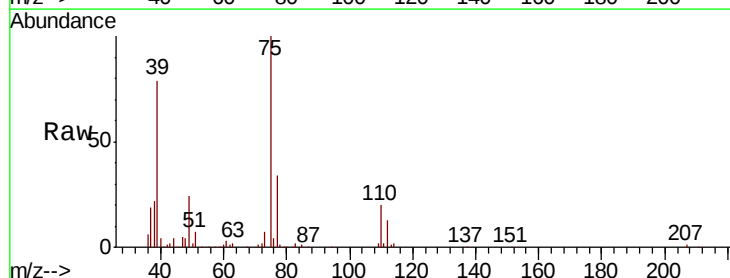
Instrument :
 MSVOA_F
 ClientSampleId :

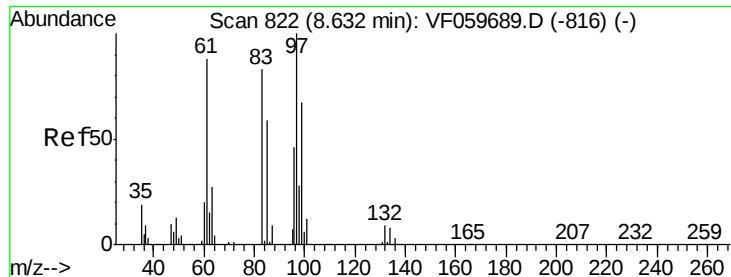
Tot Ion: 75 Resp: 158249
 Ion Ratio Lower Upper
 75 100
 77 32.5 27.0 40.4



#54
 cis-1,3-Dichloropropene
 Concen: 46.989 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion: 75 Resp: 165459
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.0 36.0
 39 78.6 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 46.468 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

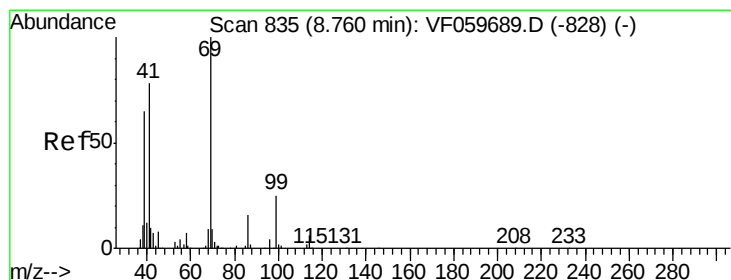
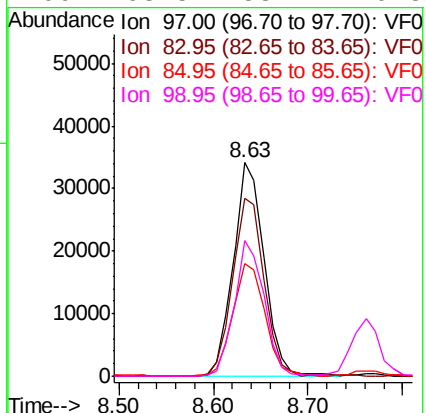
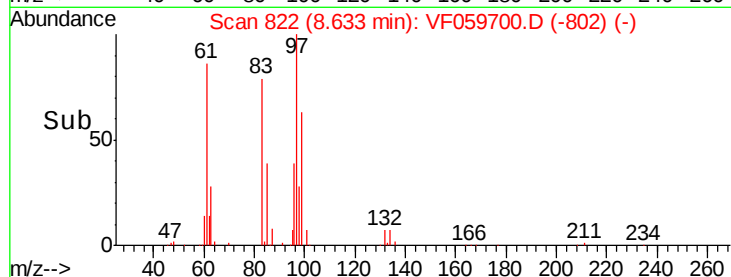
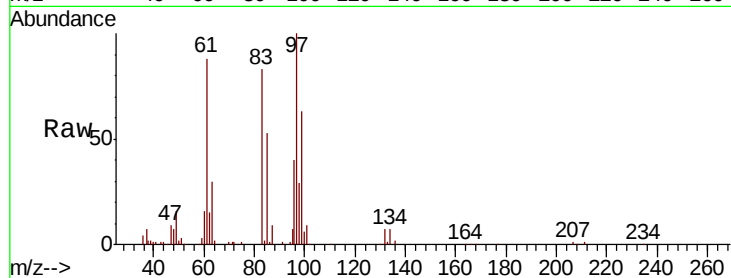
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 77223

Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.6	100.0
85	52.8	47.4	71.0
99	63.5	53.2	79.8



#56

Ethyl methacrylate

Concen: 50.280 ug/l

RT: 8.76 min Scan# 835

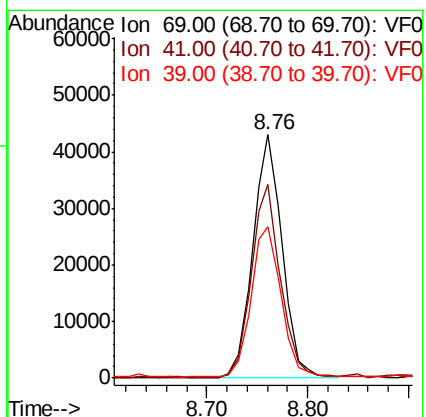
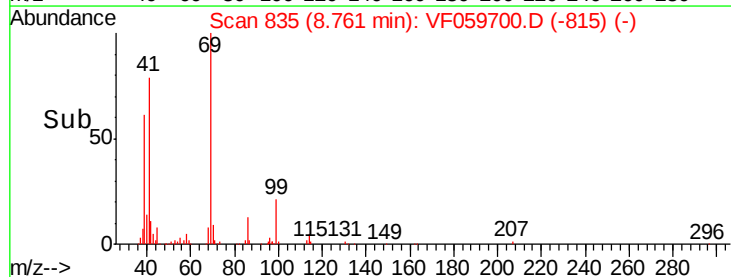
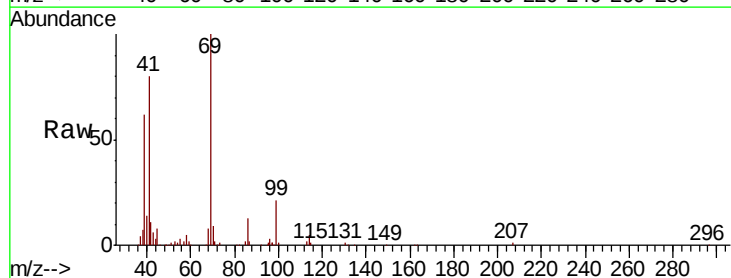
Delta R.T. 0.00 min

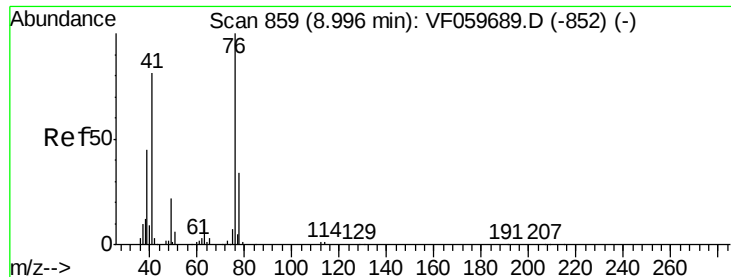
Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion: 69 Resp: 87140

Ion	Ratio	Lower	Upper
69	100		
41	79.8	62.3	93.5
39	62.3	52.4	78.6





#57

1,3-Dichloropropane

Concen: 45.478 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

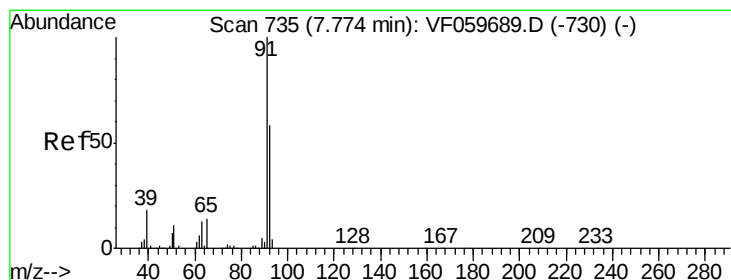
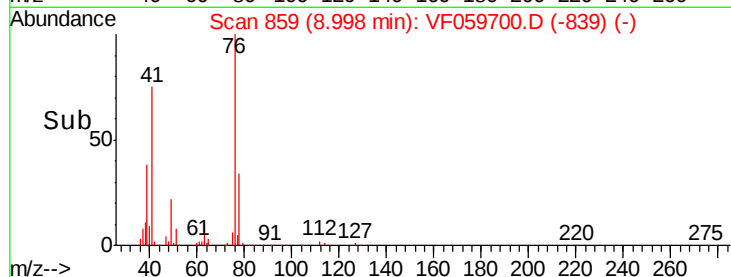
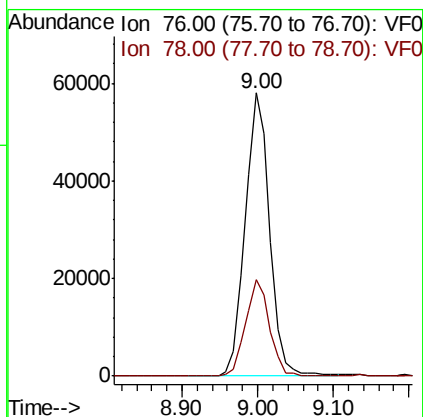
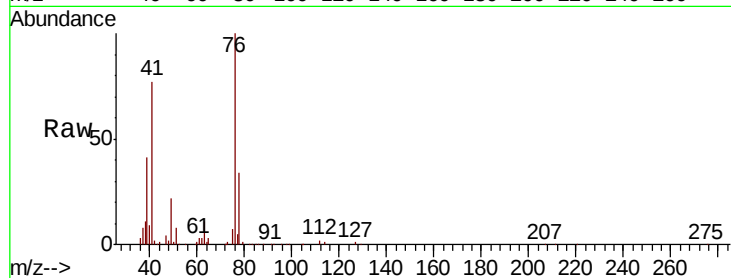
ClientSampleId :

Tot Ion: 76 Resp: 129656

Ion Ratio Lower Upper

76 100

78 34.0 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 211.982 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059700.D

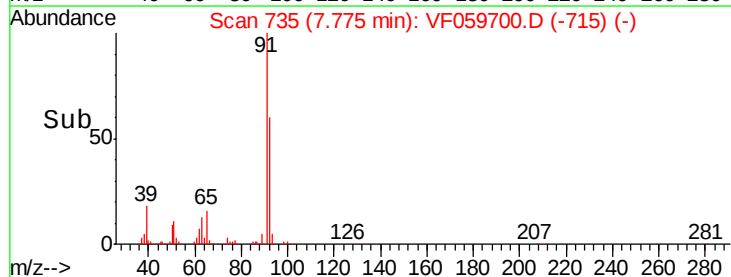
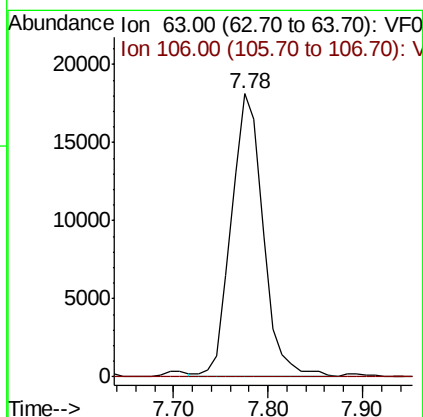
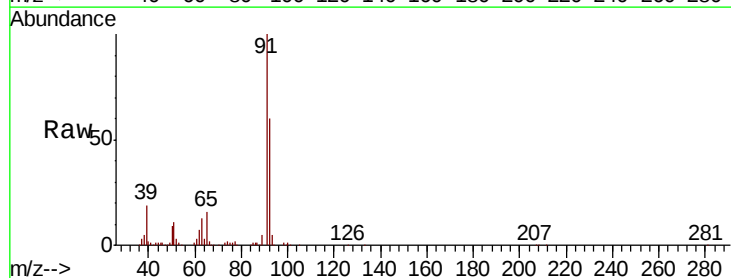
Acq: 31 Jul 2018 10:32

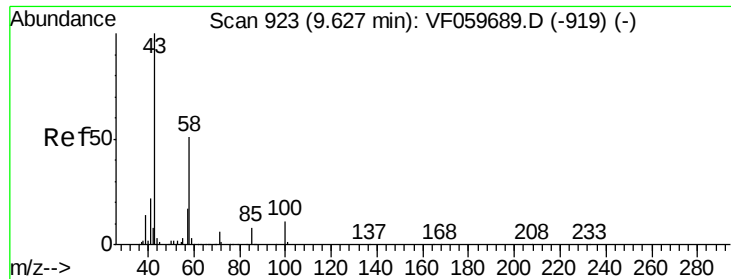
Tgt Ion: 63 Resp: 42418

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

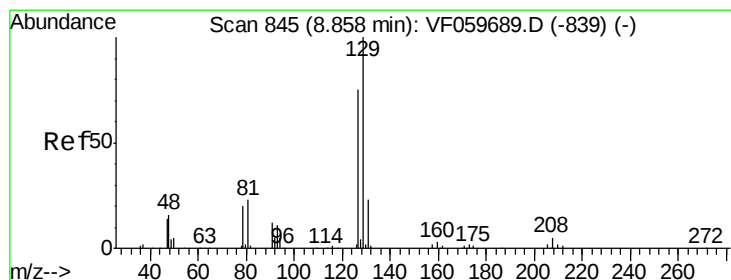
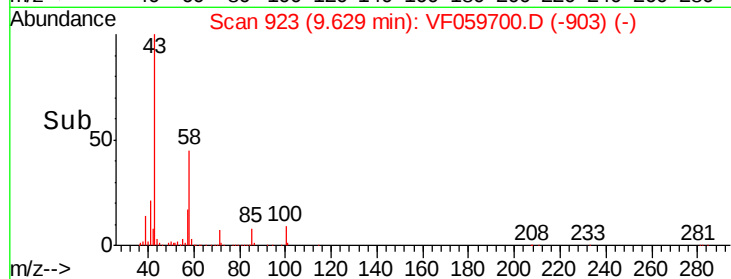
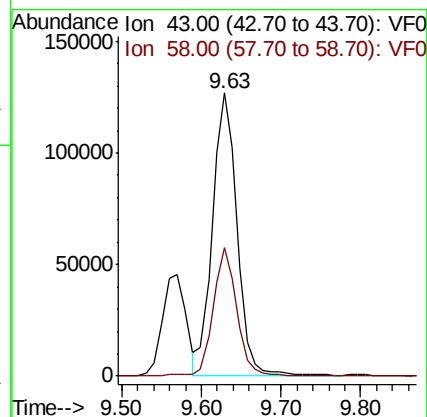
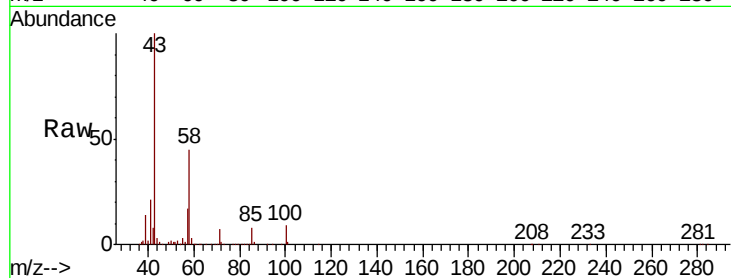




#59
2-Hexanone
Concen: 246.695 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

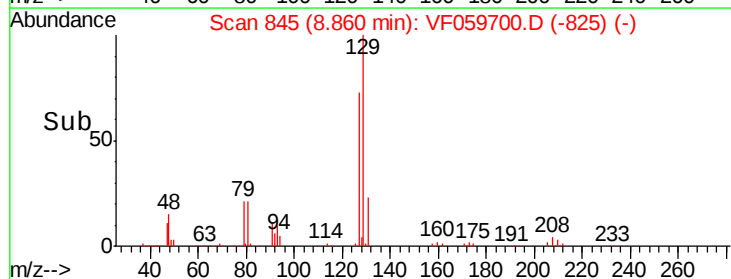
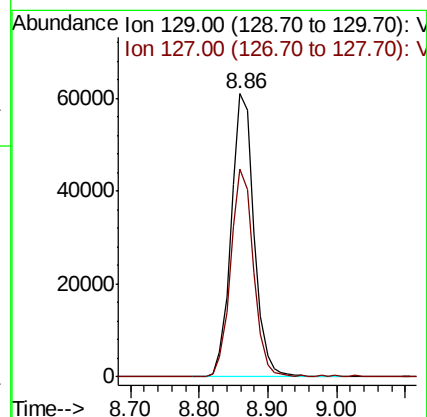
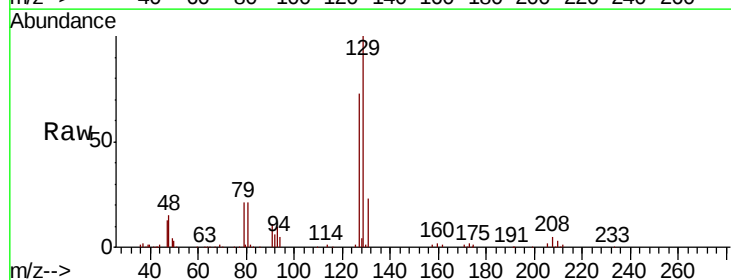
Instrument :
MSVOA_F
ClientSampled :

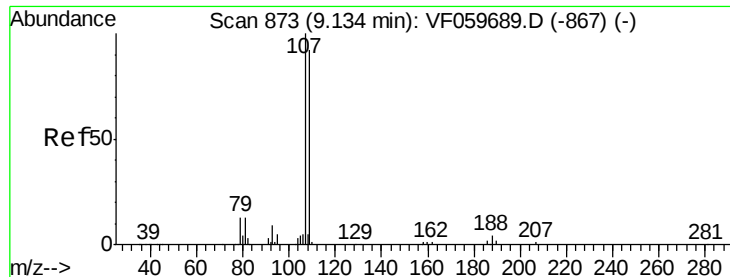
Tot Ion: 43 Resp: 273225
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8



#60
Dibromochloromethane
Concen: 47.732 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 129 Resp: 139971
Ion Ratio Lower Upper
129 100
127 73.3 37.7 113.1

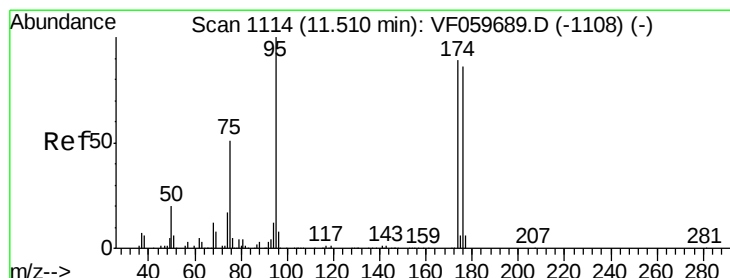
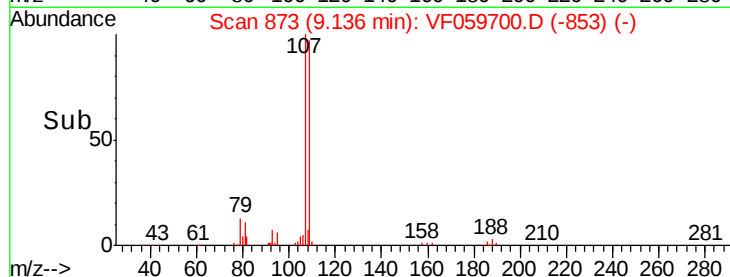
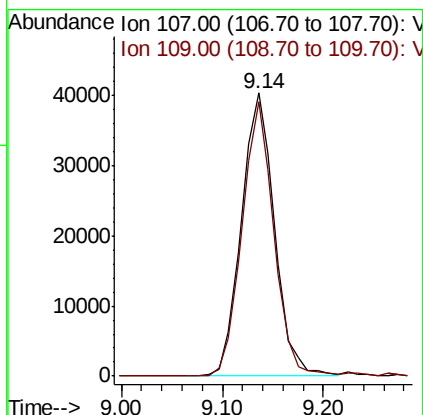
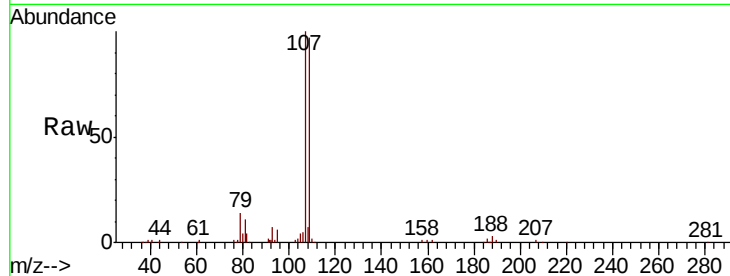




#61
 1,2-Dibromoethane
 Concen: 47.579 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

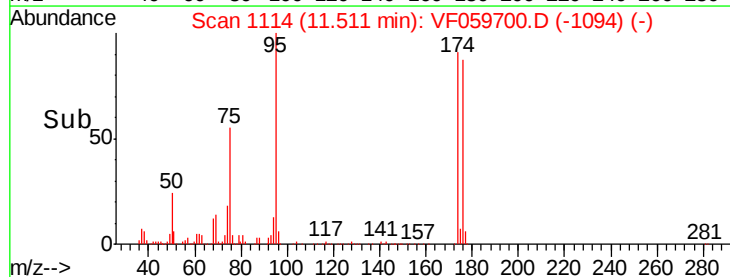
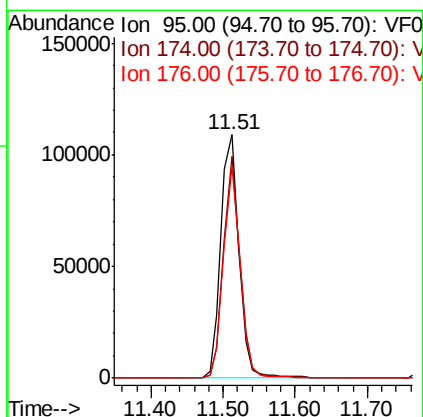
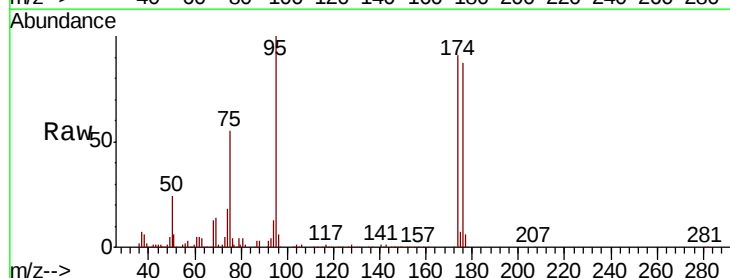
Instrument :
 MSVOA_F
 ClientSampleId :

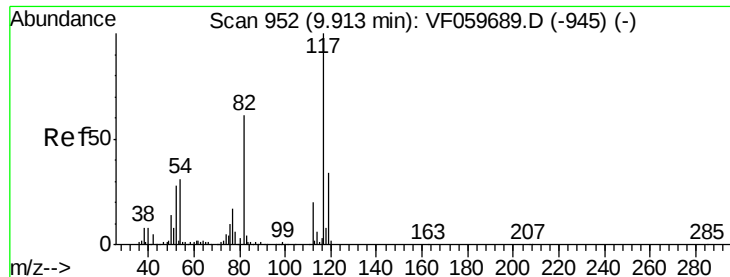
Tot Ion:107 Resp: 92330
 Ion Ratio Lower Upper
 107 100
 109 96.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 46.689 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion: 95 Resp: 190219
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 178.4
 176 87.0 0.0 173.0

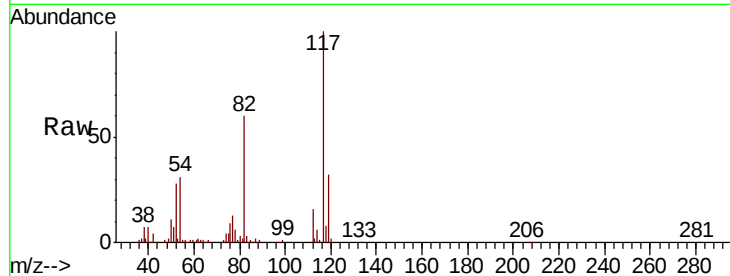




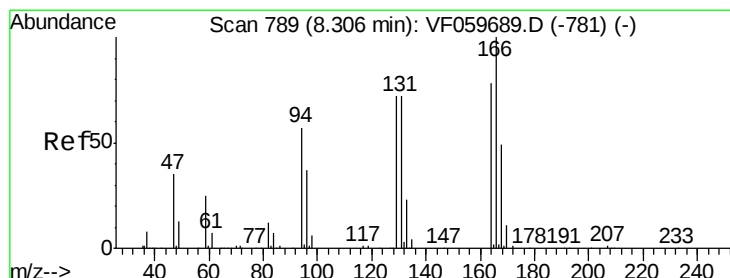
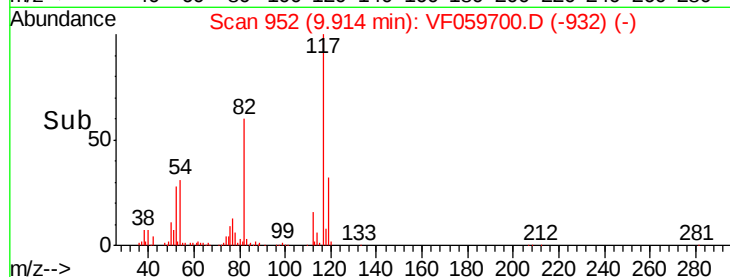
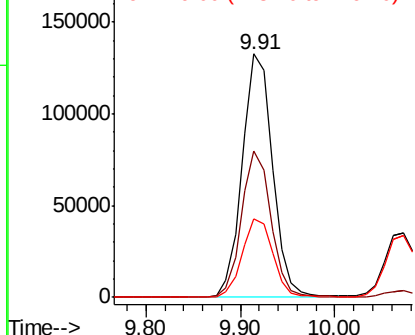
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	49.0	73.4
119	32.3	27.3	40.9



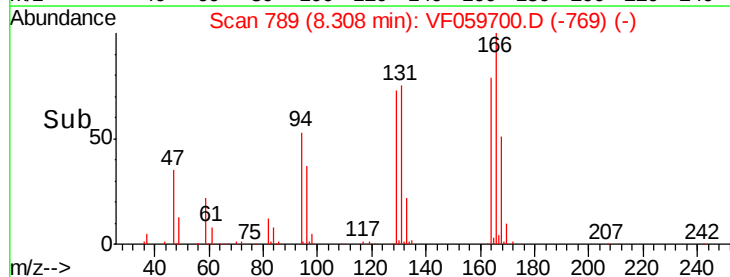
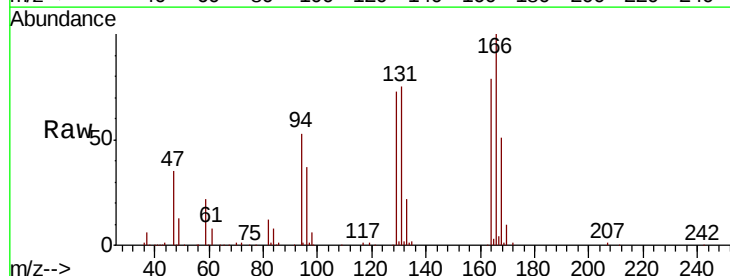
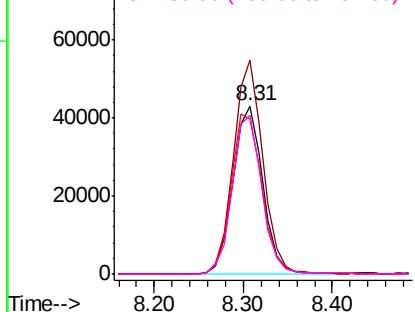
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

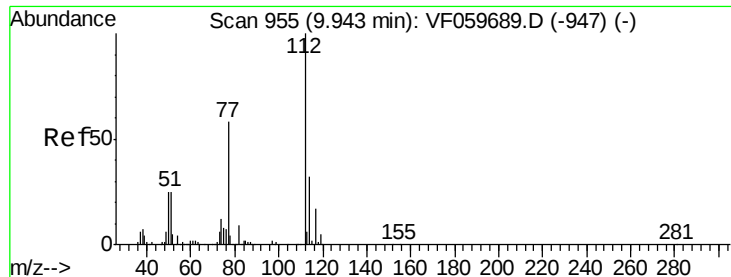


#64
Tetrachloroethene
Concen: 50.261 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.1	153.1
129	92.5	73.8	110.6
131	94.8	73.1	109.7

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

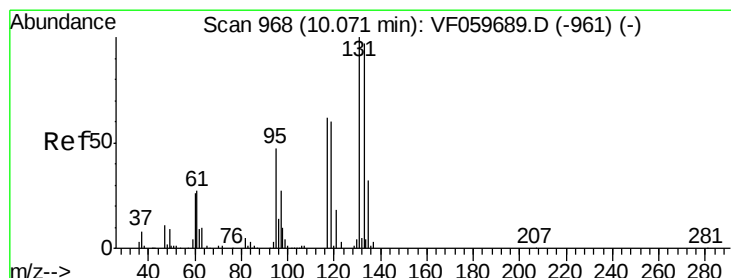
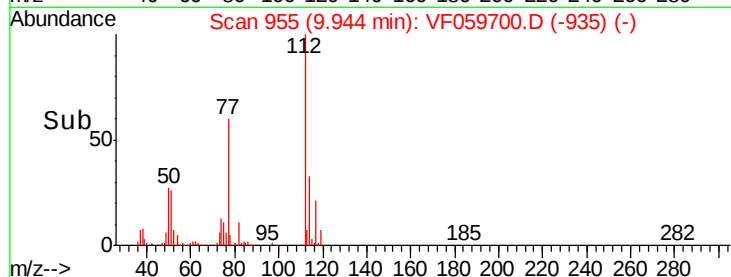
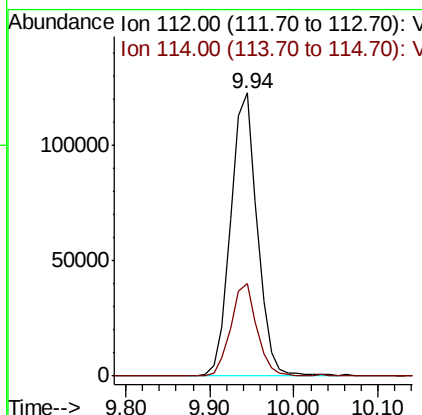
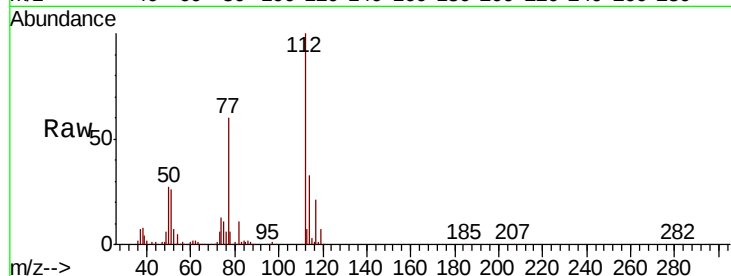




#65
Chlorobenzene
Concen: 45.613 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

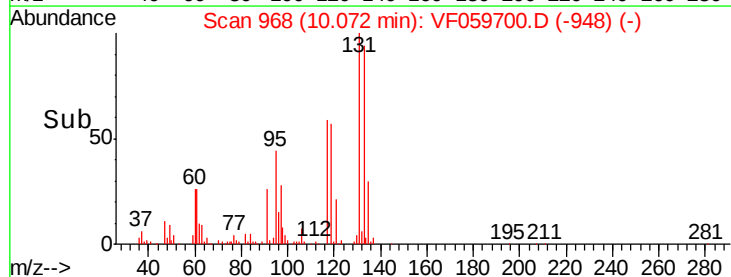
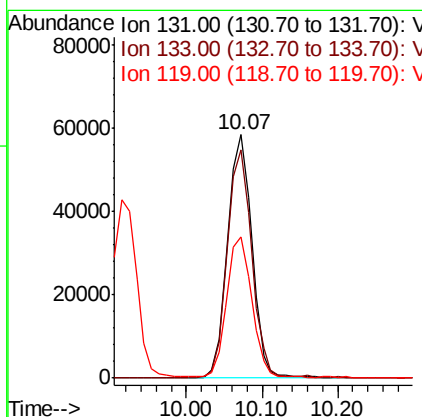
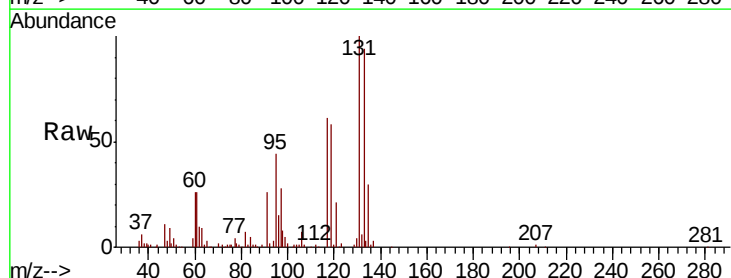
Instrument :
MSVOA_F
ClientSampleId :

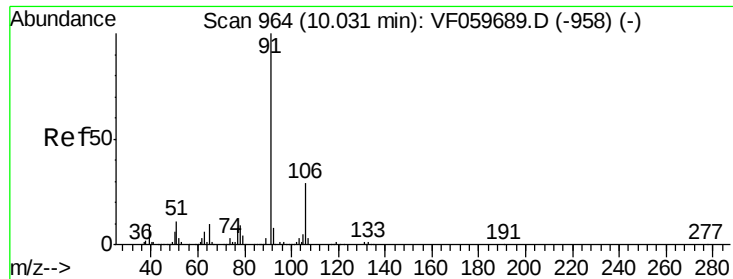
Tot Ion:112 Resp: 270873
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.981 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion:131 Resp: 130254
Ion Ratio Lower Upper
131 100
133 93.7 48.5 145.5
119 58.0 30.3 90.8

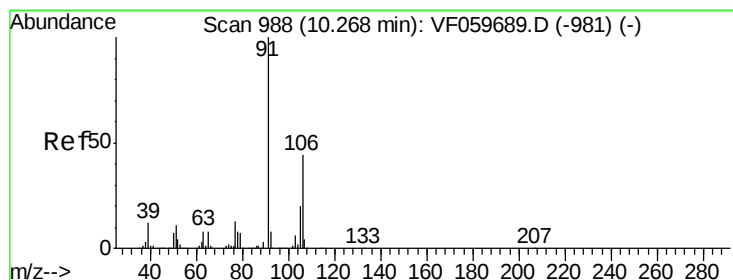
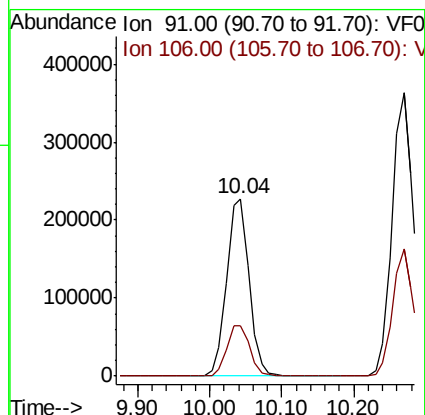
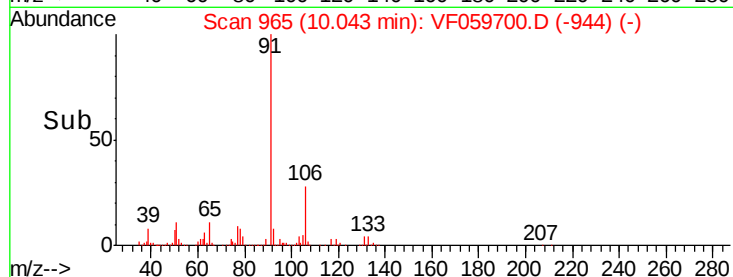
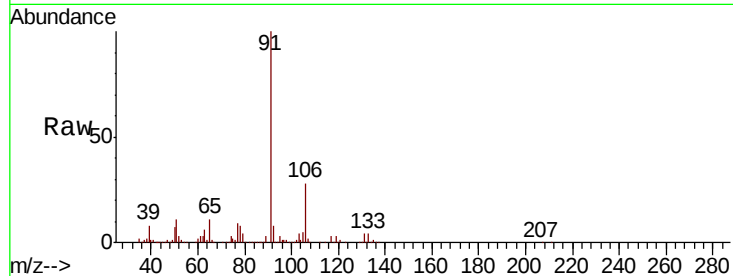




#67
Ethyl Benzene
Concen: 48.061 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

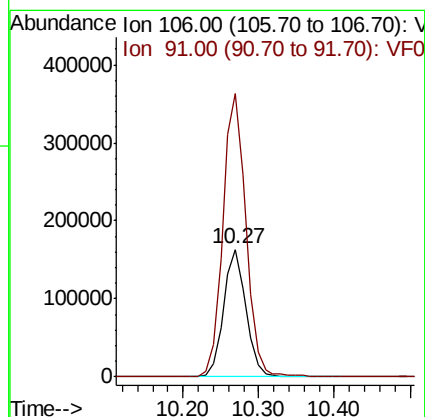
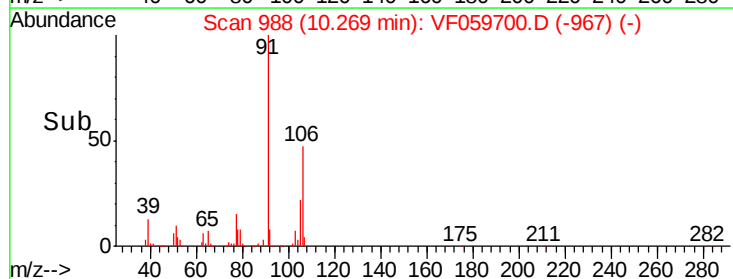
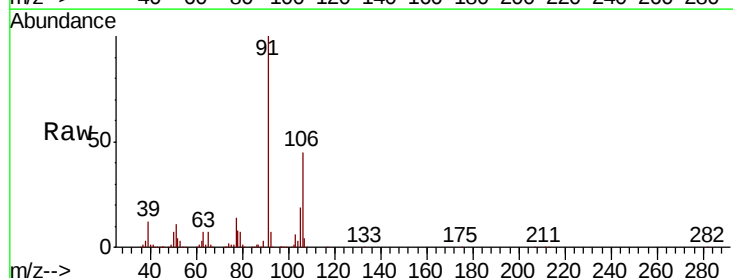
Instrument :
MSVOA_F
ClientSampled :

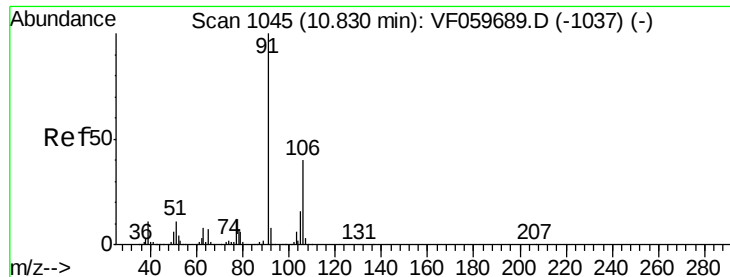
Tot Ion: 91 Resp: 493812
Ion Ratio Lower Upper
91 100
106 28.4 22.9 34.3



#68
m/p-Xylenes
Concen: 105.043 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 106 Resp: 335690
Ion Ratio Lower Upper
106 100
91 222.0 181.7 272.5

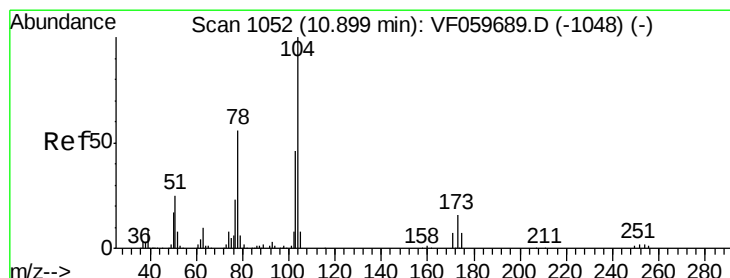
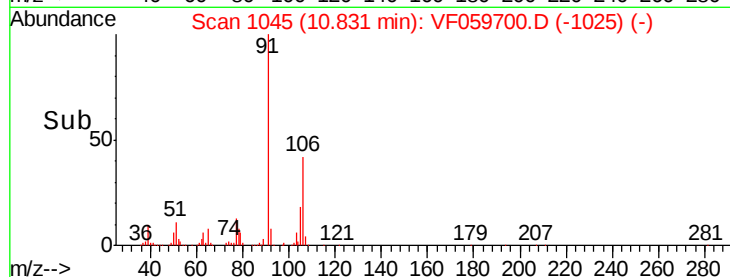
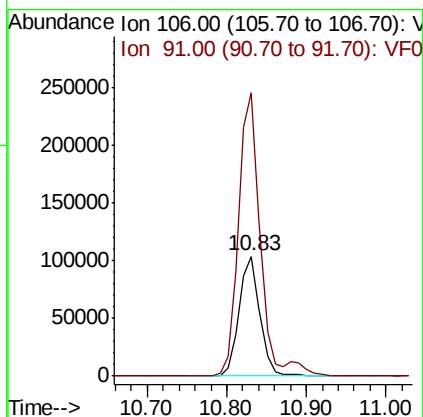
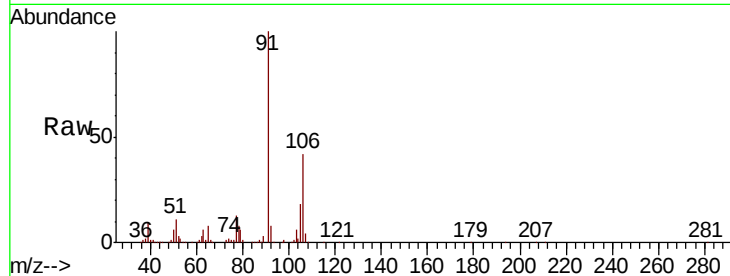




#69
o-Xylene
Concen: 49.839 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

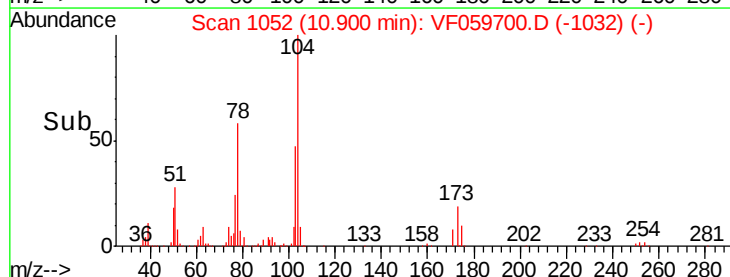
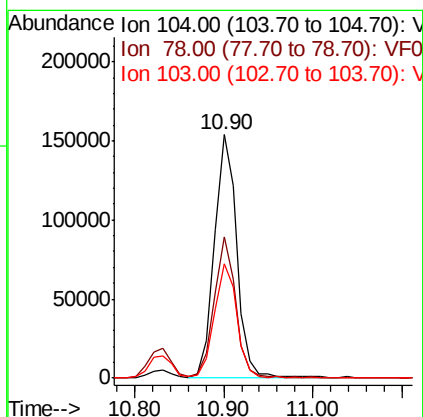
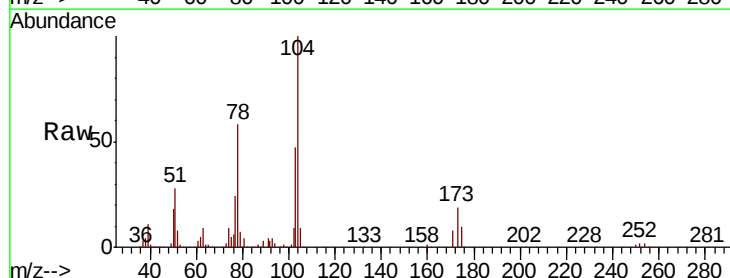
Instrument :
MSVOA_F
ClientSampleId :

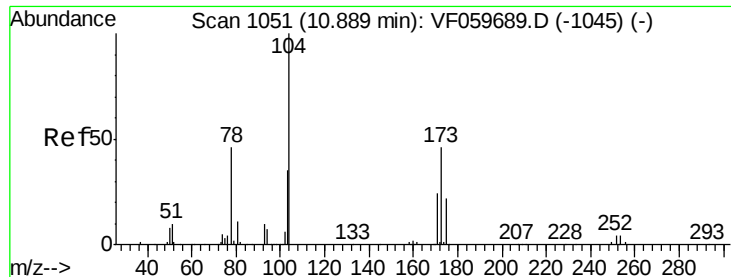
Tot Ion:106 Resp: 188686
Ion Ratio Lower Upper
106 100
91 236.5 124.6 373.7



#70
Styrene
Concen: 46.907 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion:104 Resp: 269025
Ion Ratio Lower Upper
104 100
78 57.8 45.3 67.9
103 46.9 36.6 54.8





#71

Bromoform

Concen: 47.155 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampled :

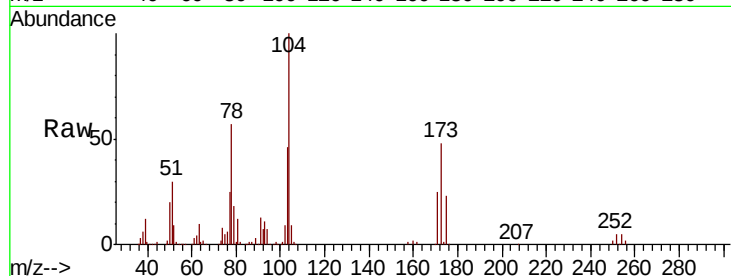
Tot Ion:173 Resp: 85190

Ion Ratio Lower Upper

173 100

175 46.7 23.4 70.0

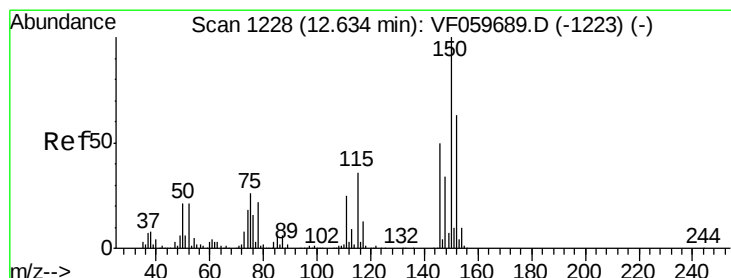
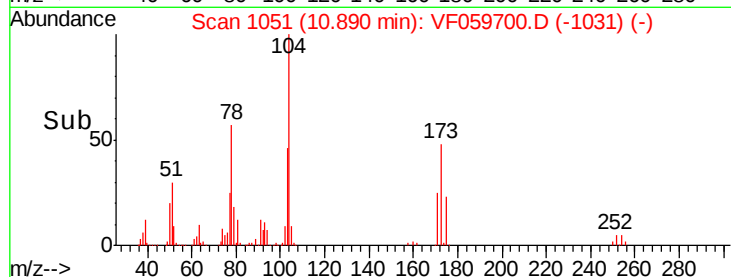
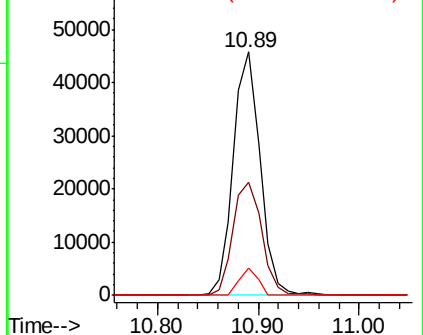
254 11.3 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

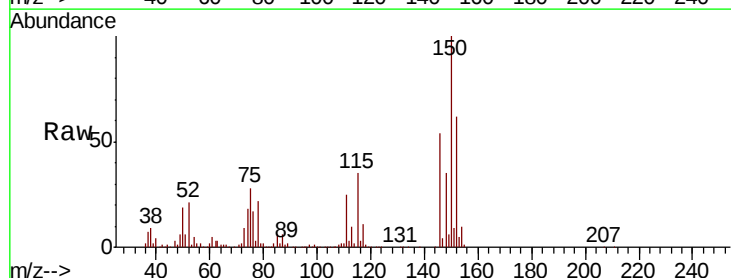
Tgt Ion:152 Resp: 183870

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.6

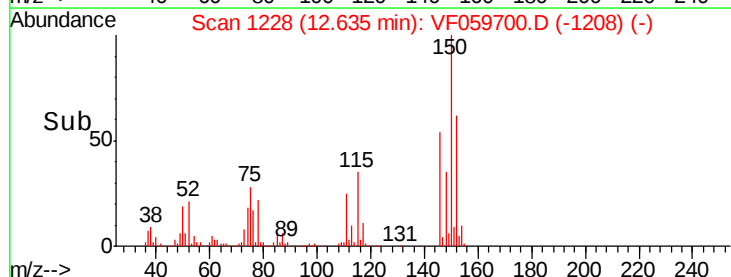
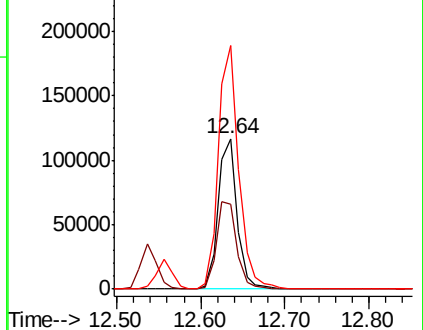
150 161.4 0.0 316.2

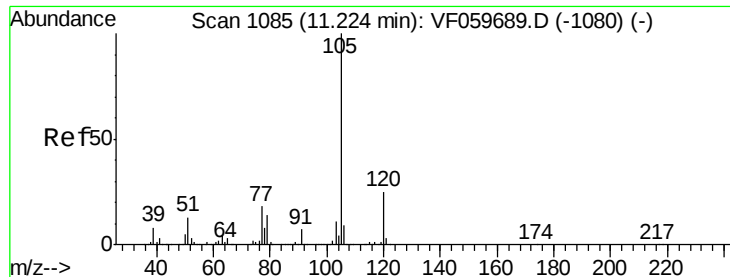


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.734 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

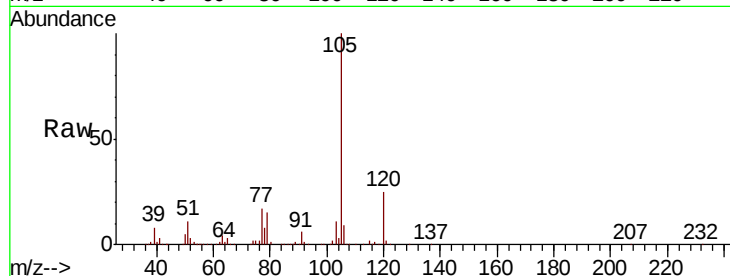
ClientSampleId :

Tot Ion:105 Resp: 587952

Ion Ratio Lower Upper

105 100

120 24.6 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

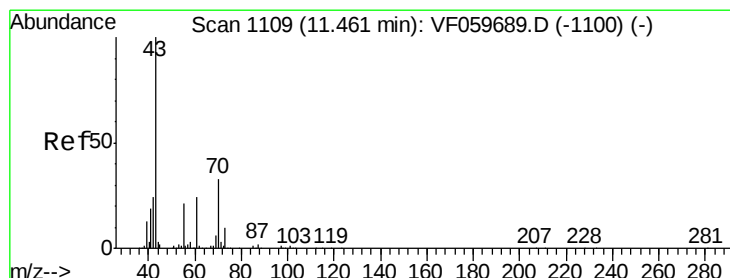
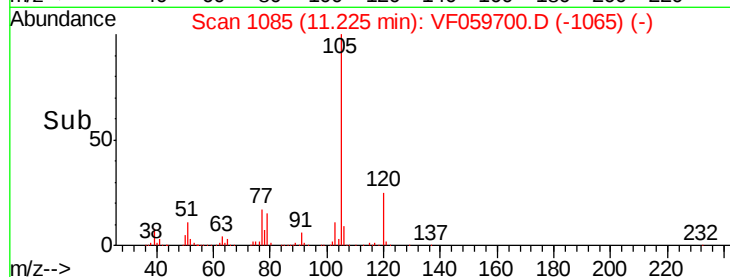
300000

200000

100000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 47.721 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion: 43 Resp: 145253

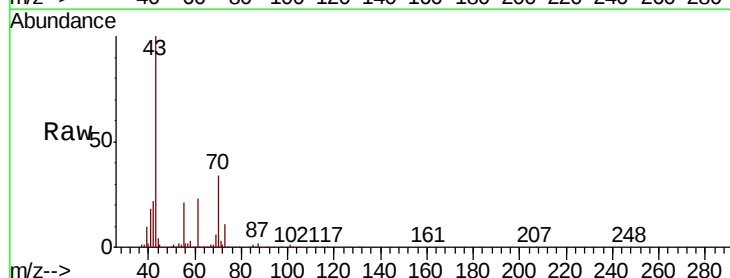
Ion Ratio Lower Upper

43 100

70 34.4 26.3 39.5

55 20.7 16.6 25.0

61 22.9 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

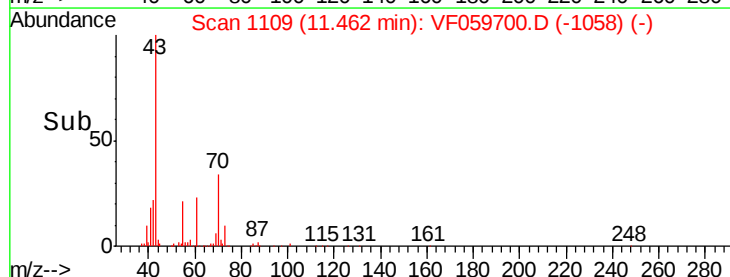
11.46

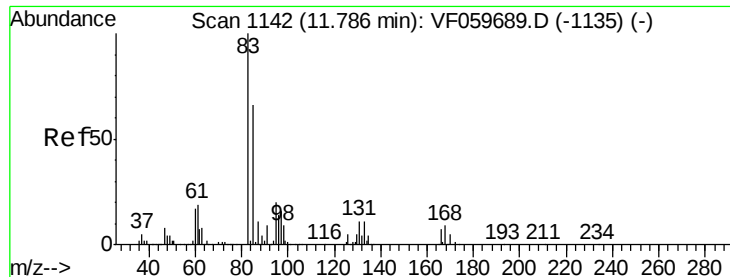
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 50.572 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

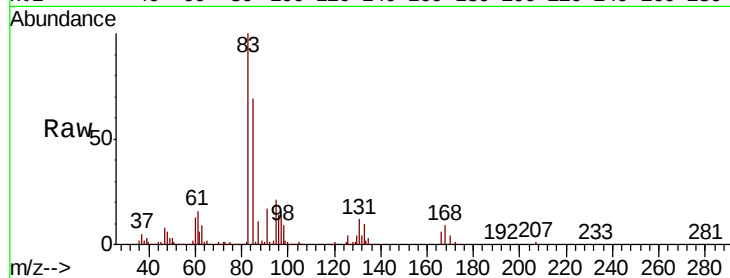
Tot Ion: 83 Resp: 114850

Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.8	17.3
85	69.3	32.8	98.3

83 100

131 12.2 5.8 17.3

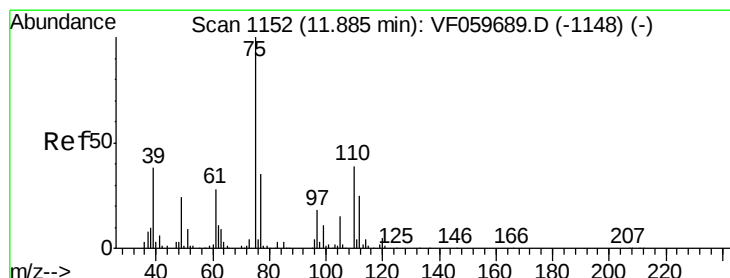
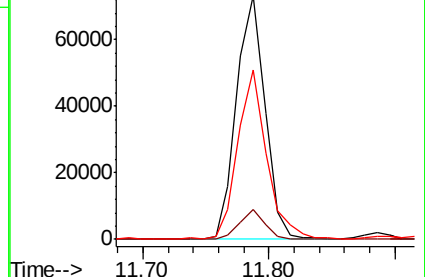
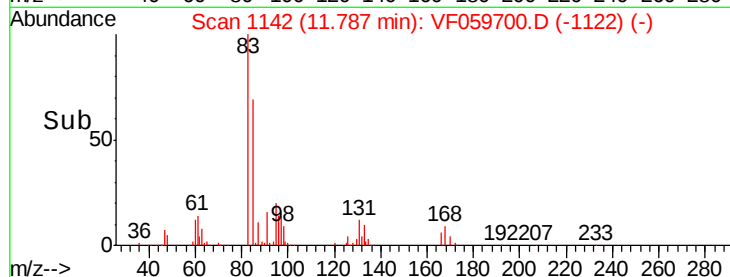
85 69.3 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 45.419 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059700.D

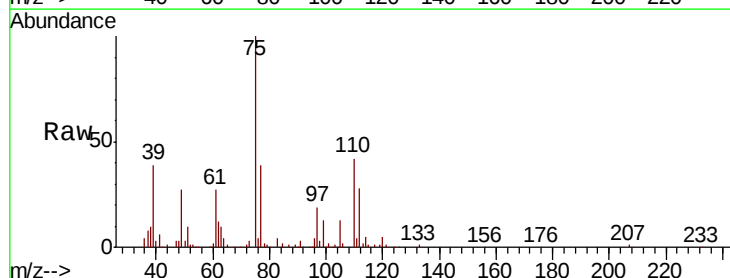
Acq: 31 Jul 2018 10:32

Tgt Ion: 75 Resp: 87710

Ion	Ratio	Lower	Upper
75	100		
77	38.7	18.0	54.0

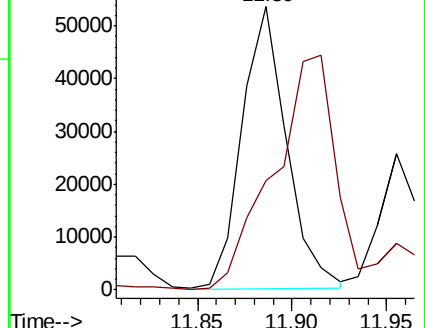
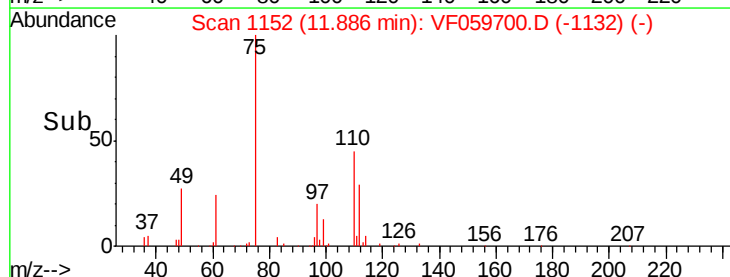
75 100

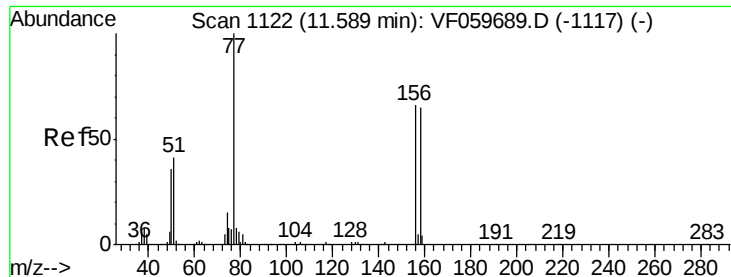
77 38.7 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 45.929 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

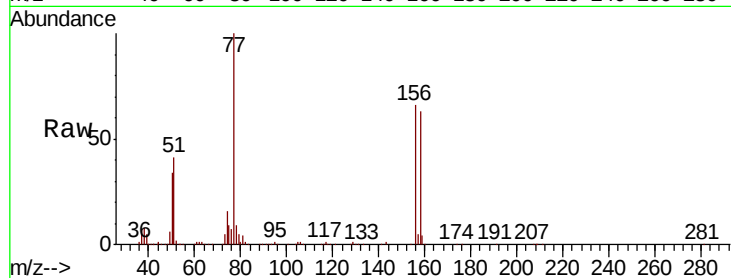
Tot Ion:156 Resp: 144696

Ion Ratio Lower Upper

156 100

77 150.9 75.2 225.6

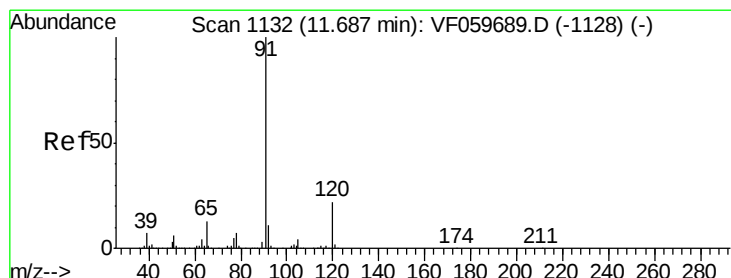
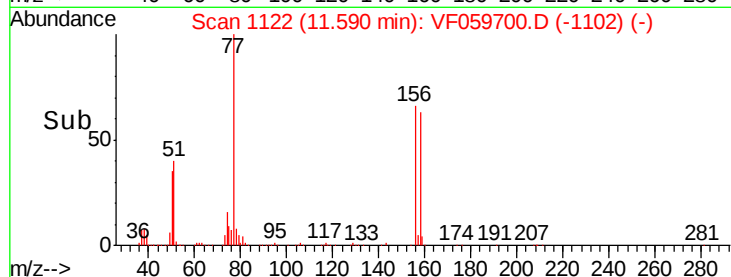
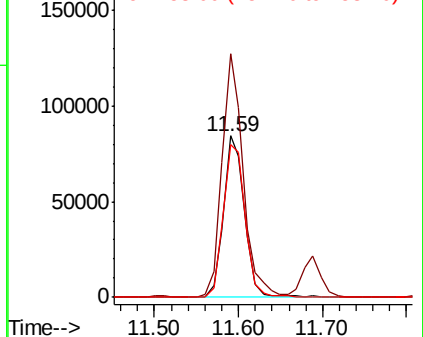
158 95.0 49.1 147.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 54.066 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059700.D

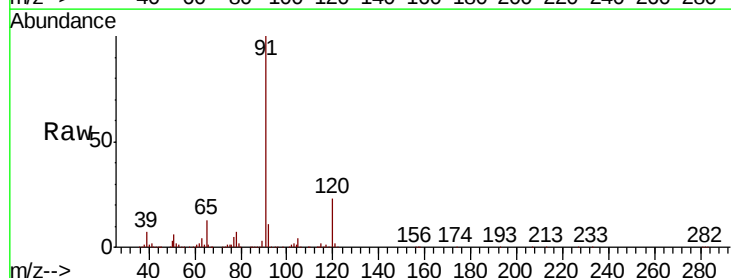
Acq: 31 Jul 2018 10:32

Tgt Ion: 91 Resp: 663564

Ion Ratio Lower Upper

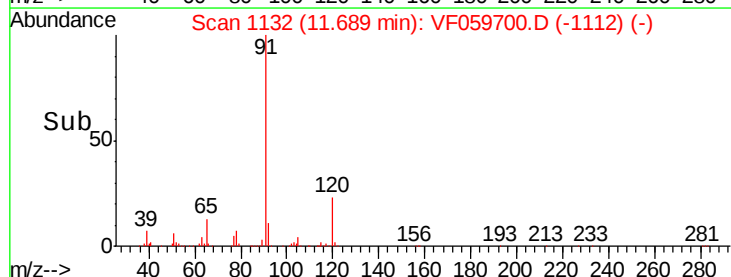
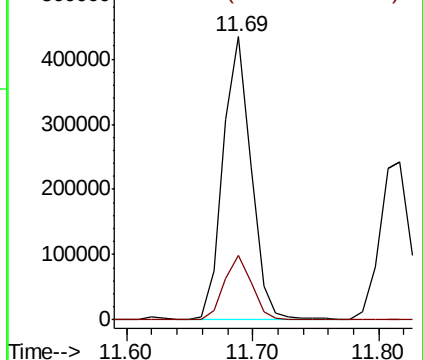
91 100

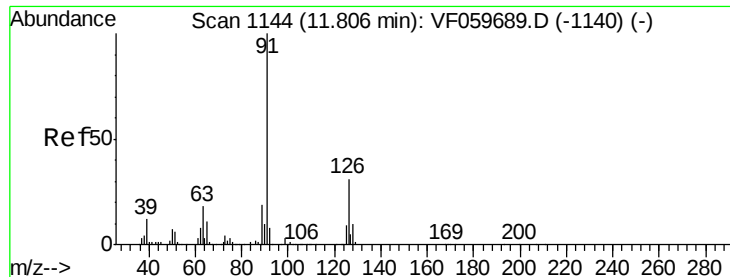
120 22.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

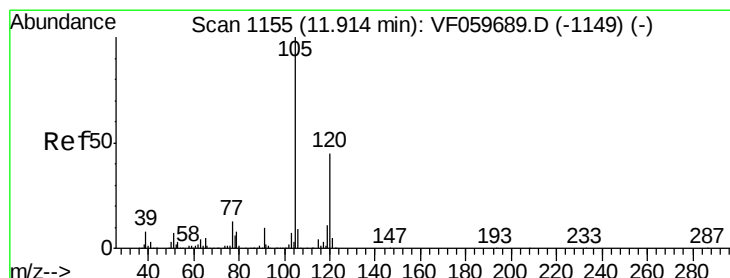
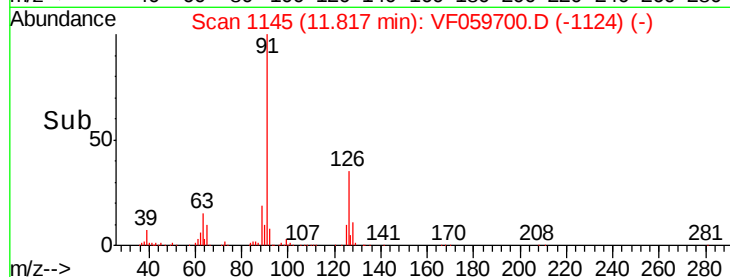
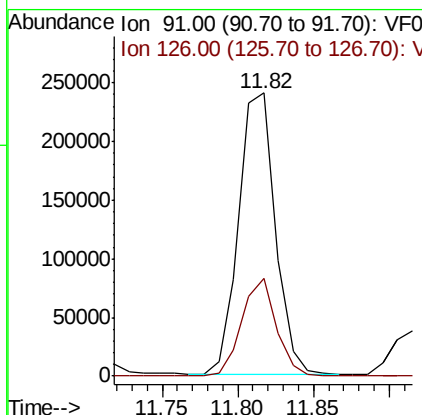
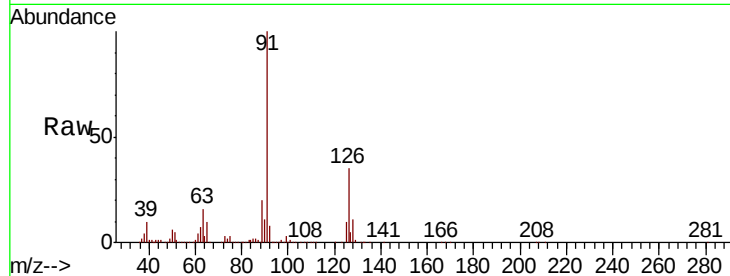




#79
 2-Chlorotoluene
 Concen: 52.157 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

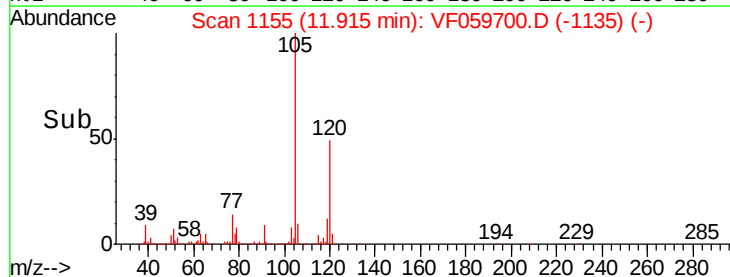
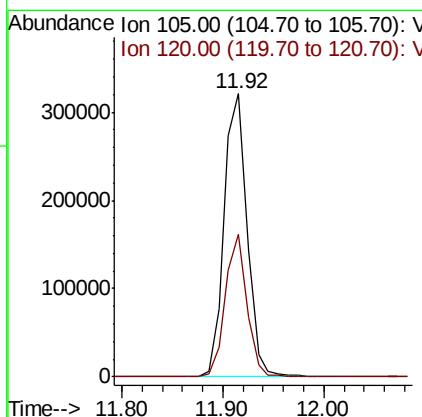
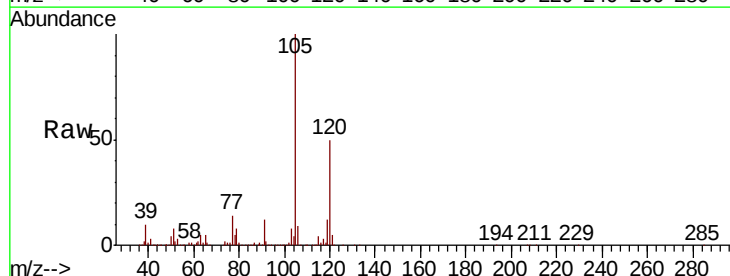
Instrument :
 MSVOA_F
 ClientSampled :

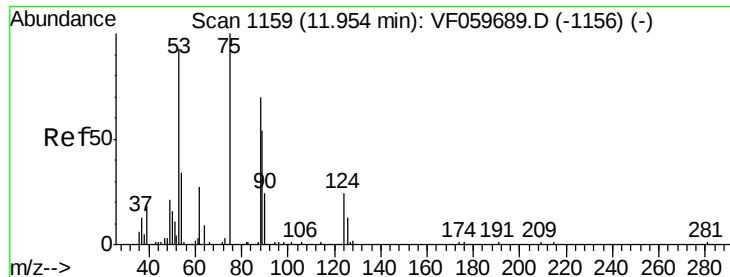
Tot Ion: 91 Resp: 404459
 Ion Ratio Lower Upper
 91 100
 126 34.6 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: 53.526 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion: 105 Resp: 510084
 Ion Ratio Lower Upper
 105 100
 120 50.2 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.273 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

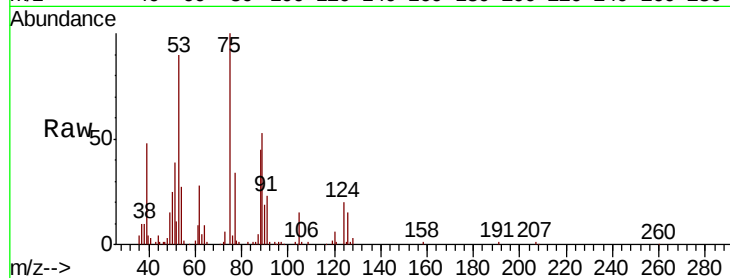
Tot Ion: 75 Resp: 53802

Ion Ratio Lower Upper

75 100

53 90.4 78.3 117.5

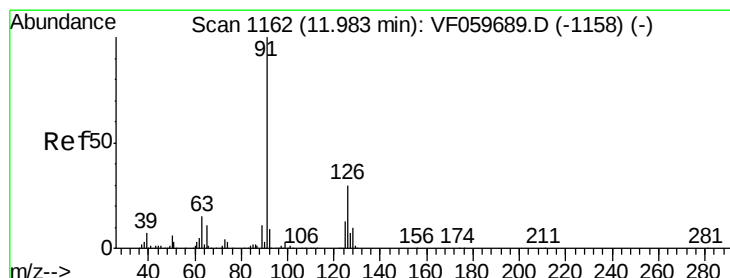
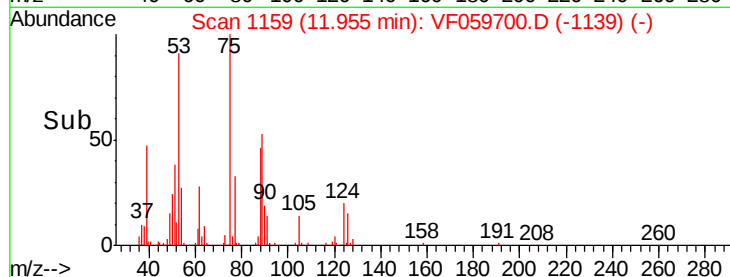
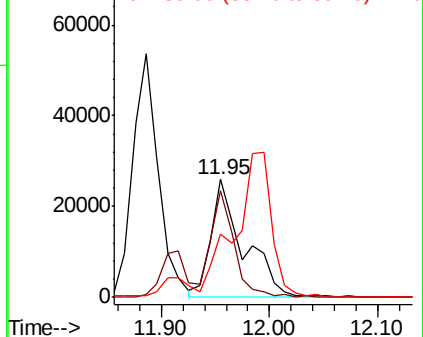
89 53.2 45.4 68.2



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: 54.655 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059700.D

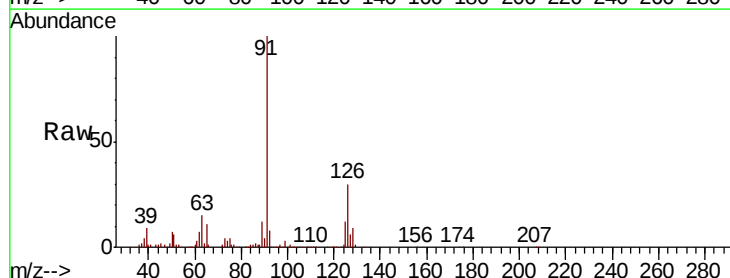
Acq: 31 Jul 2018 10:32

Tgt Ion: 91 Resp: 451281

Ion Ratio Lower Upper

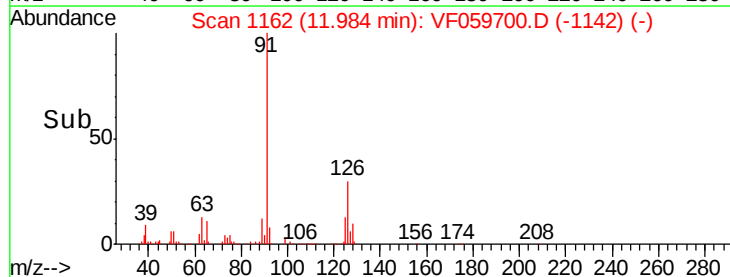
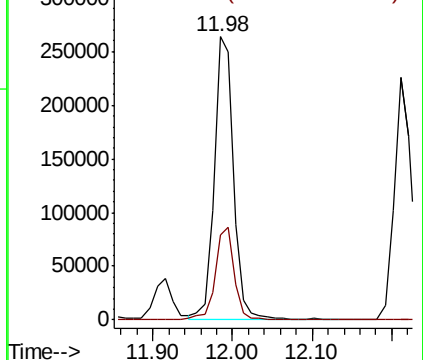
91 100

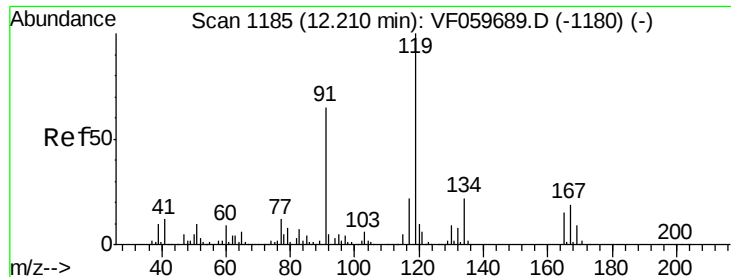
126 29.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

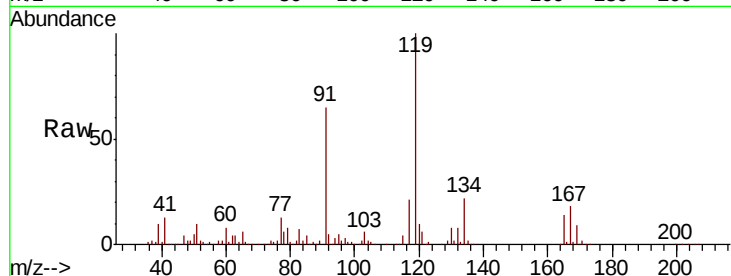




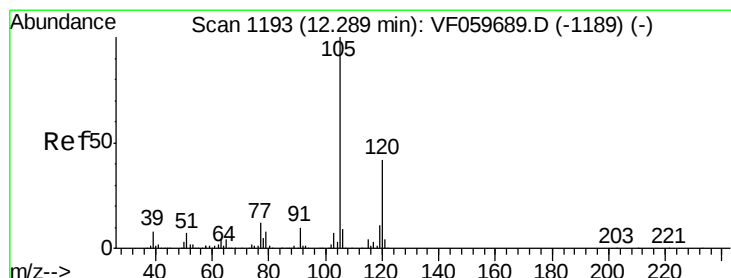
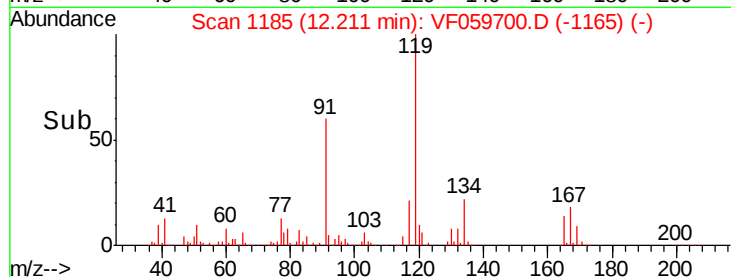
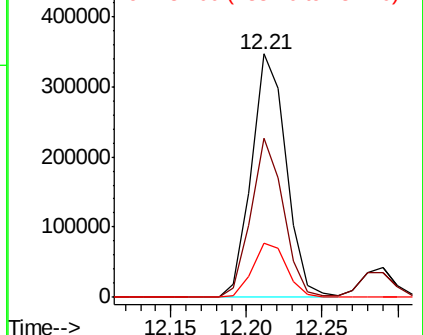
#83
 tert-Butylbenzene
 Concen: 51.266 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 555225
 Ion Ratio Lower Upper
 119 100
 91 65.2 32.8 98.4
 134 22.3 10.9 32.7

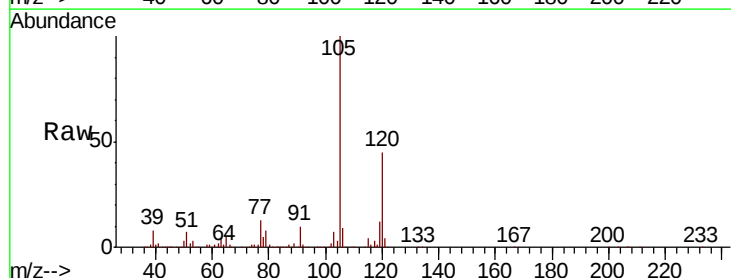


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

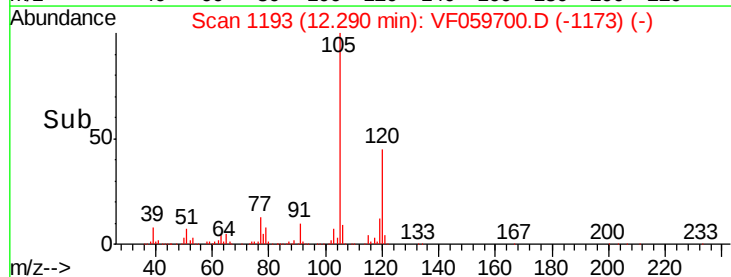
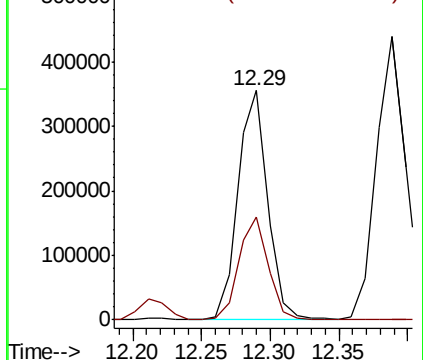


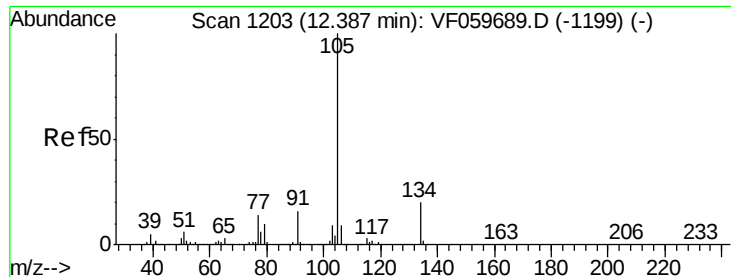
#84
 1,2,4-Trimethylbenzene
 Concen: 55.491 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion:105 Resp: 534023
 Ion Ratio Lower Upper
 105 100
 120 45.1 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: 53.431 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

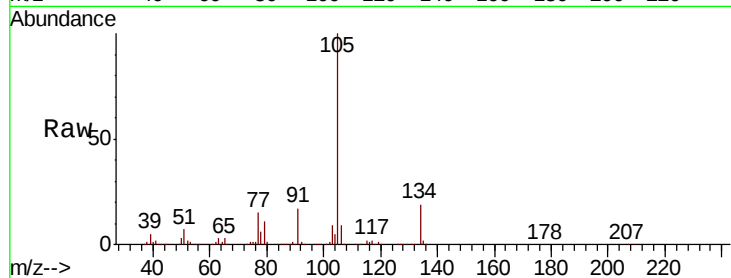
ClientSampleId :

Tot Ion:105 Resp: 653903

Ion Ratio Lower Upper

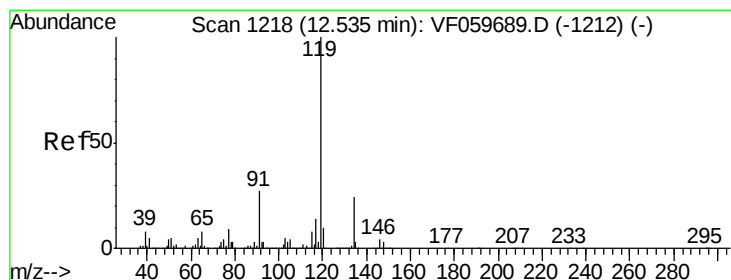
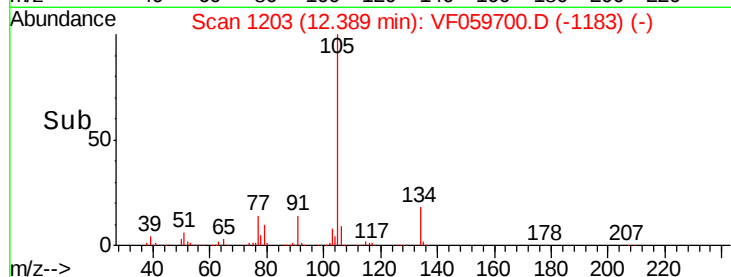
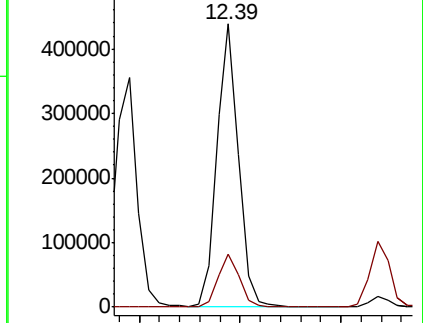
105 100

134 18.9 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: 56.619 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

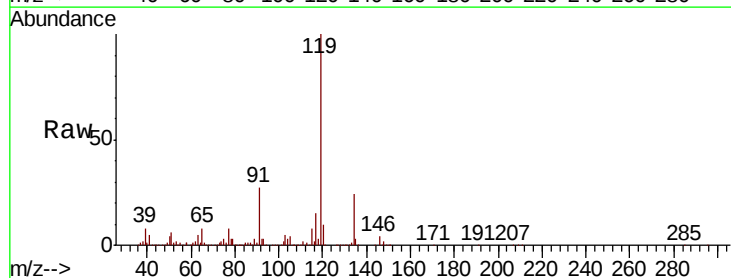
Tgt Ion:119 Resp: 600314

Ion Ratio Lower Upper

119 100

134 23.8 12.2 36.6

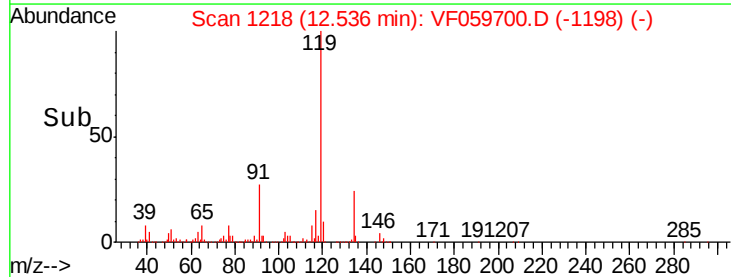
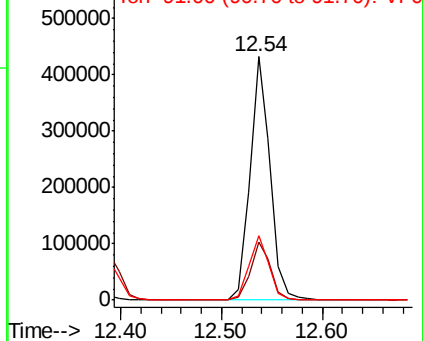
91 26.7 13.4 40.2

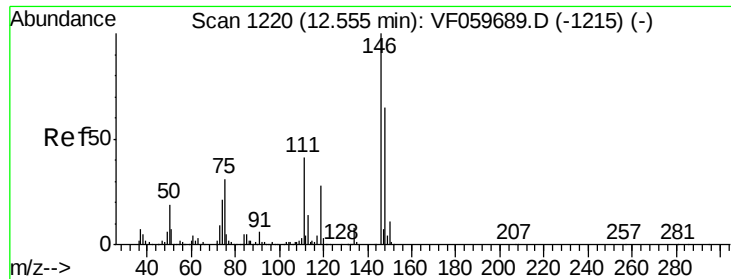


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

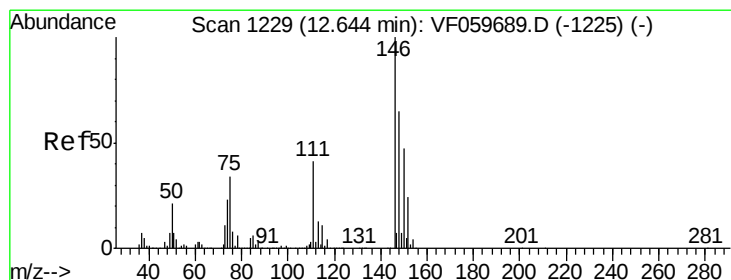
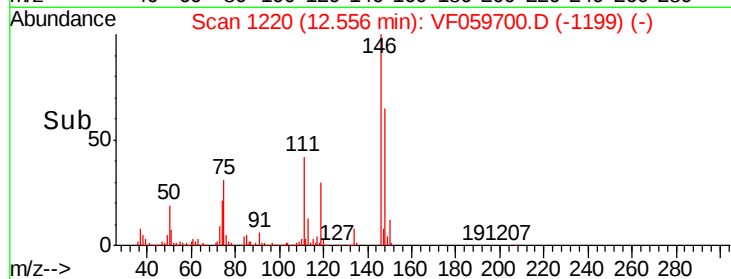
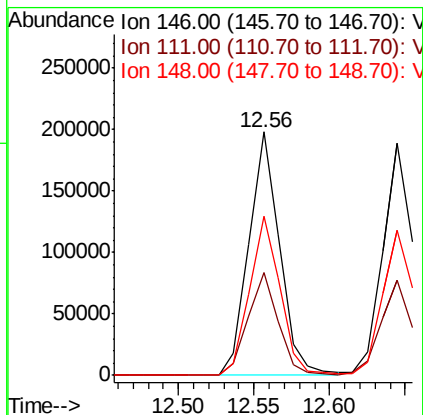
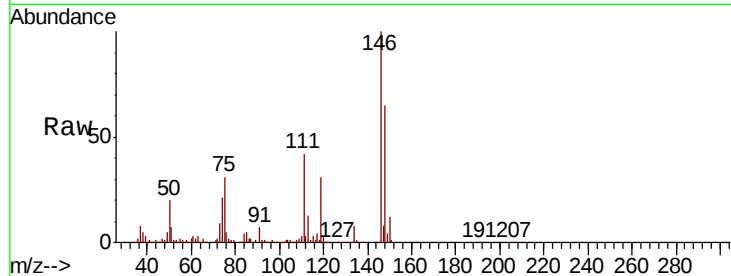




#87
 1,3-Dichlorobenzene
 Concen: 55.475 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

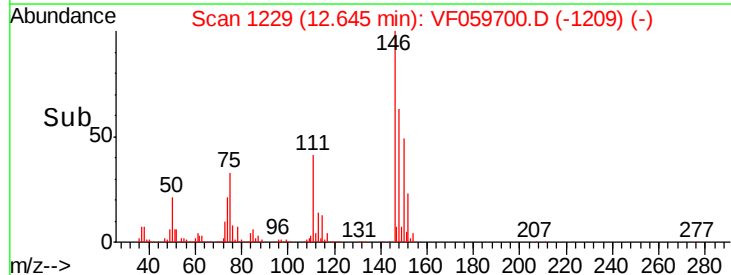
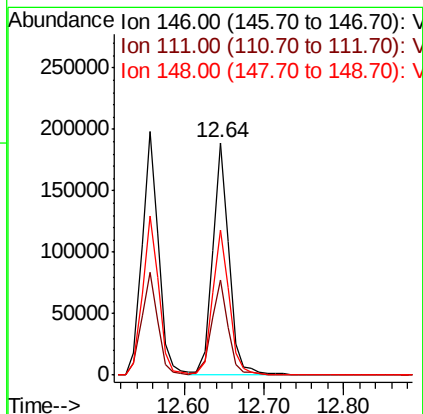
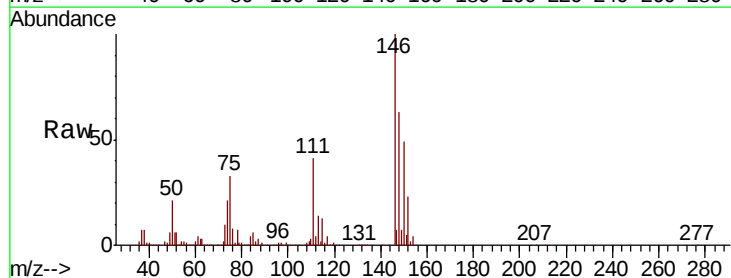
Instrument :
 MSVOA_F
 ClientSampleId :

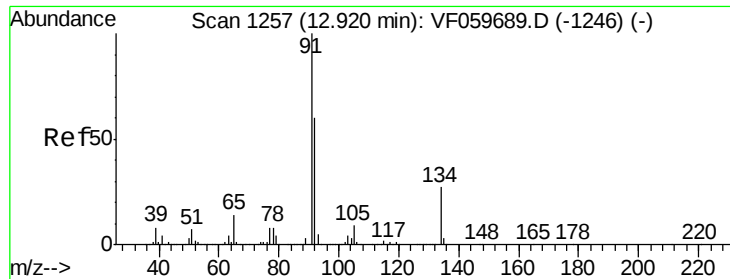
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	65.5	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 52.914 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	62.5	32.3	96.9





#89

n-Butylbenzene

Concen: 57.404 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

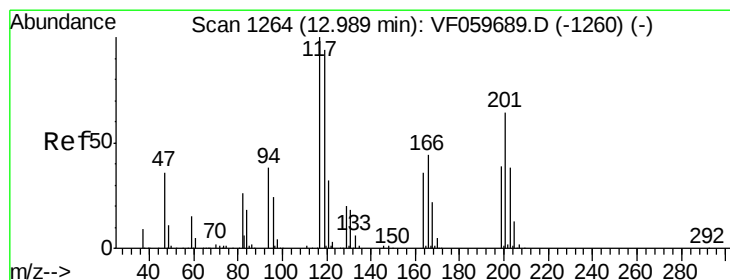
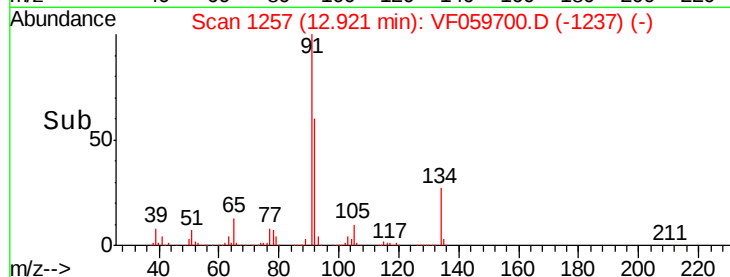
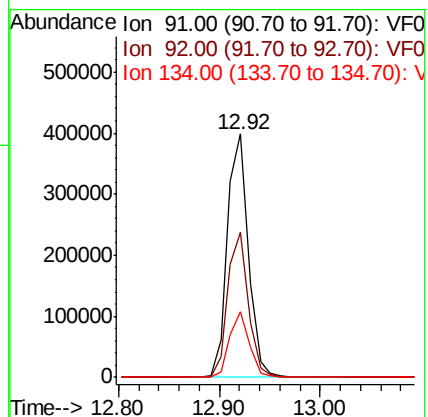
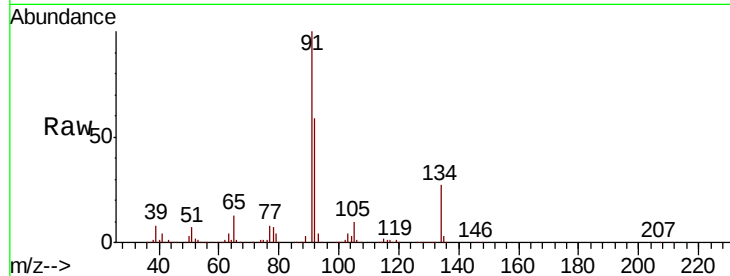
Tot Ion: 91 Resp: 576656

Ion Ratio Lower Upper

91 100

92 59.5 30.1 90.3

134 27.1 13.7 41.0



#90

Hexachloroethane

Concen: 48.809 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059700.D

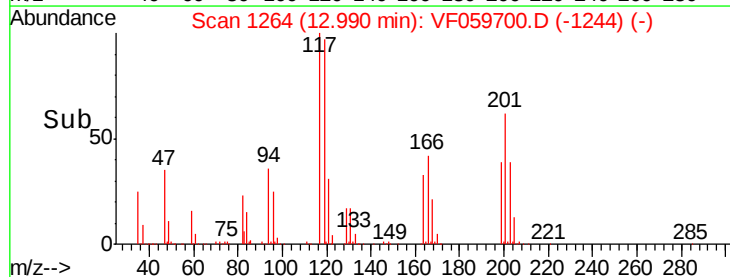
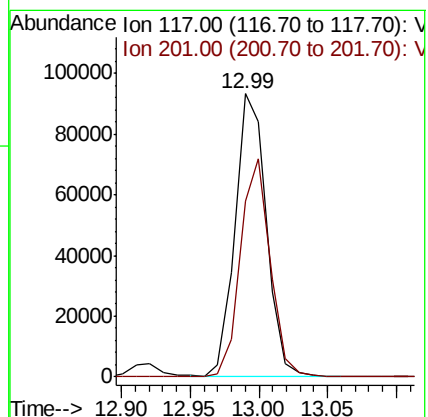
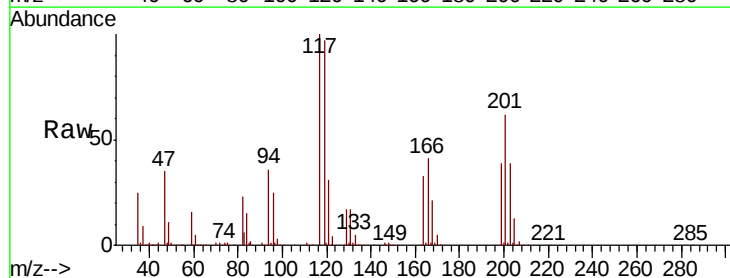
Acq: 31 Jul 2018 10:32

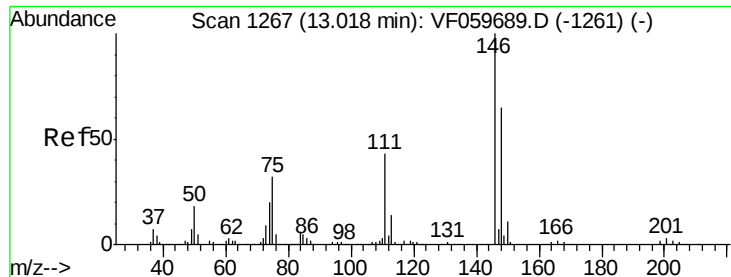
Tgt Ion: 117 Resp: 148525

Ion Ratio Lower Upper

117 100

201 62.3 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 54.150 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

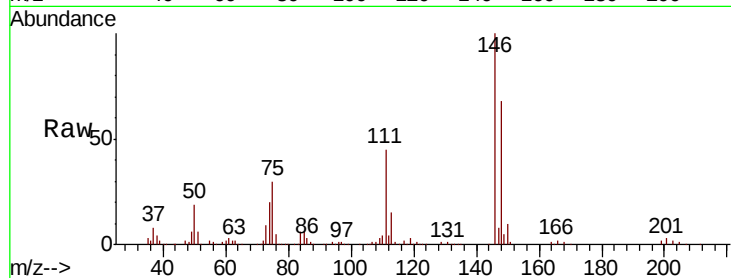
Tot Ion:146 Resp: 270709

Ion Ratio Lower Upper

146 100

111 44.9 21.6 65.0

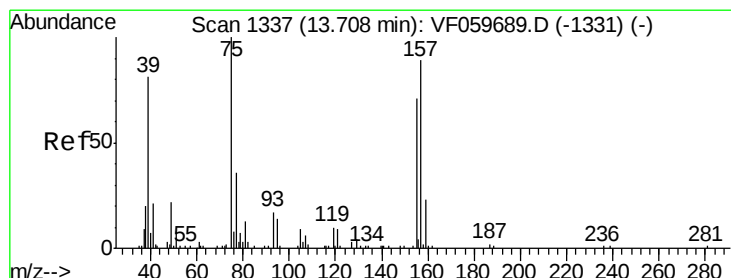
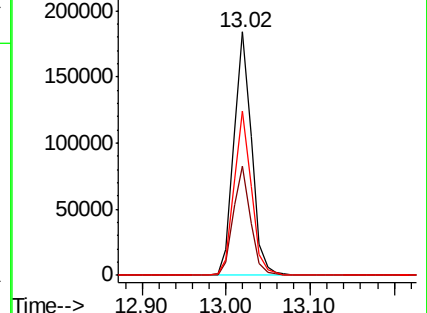
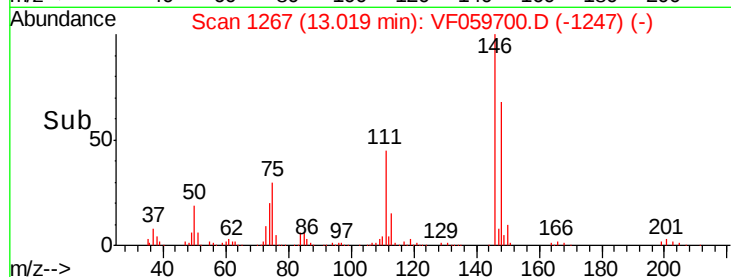
148 67.6 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.961 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

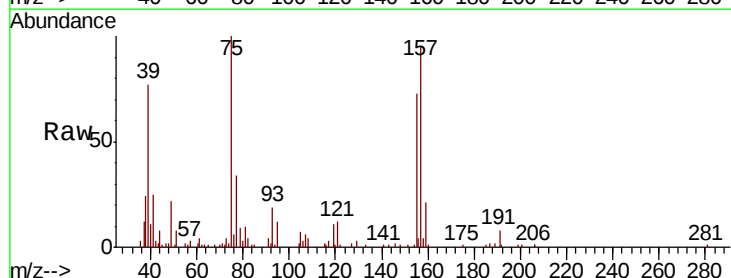
Tgt Ion: 75 Resp: 27737

Ion Ratio Lower Upper

75 100

155 72.7 35.4 106.2

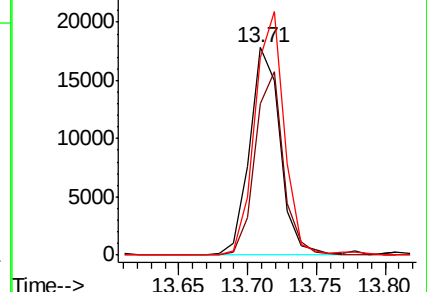
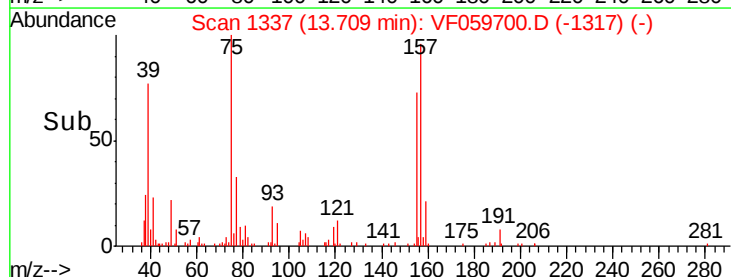
157 95.0 44.4 133.2

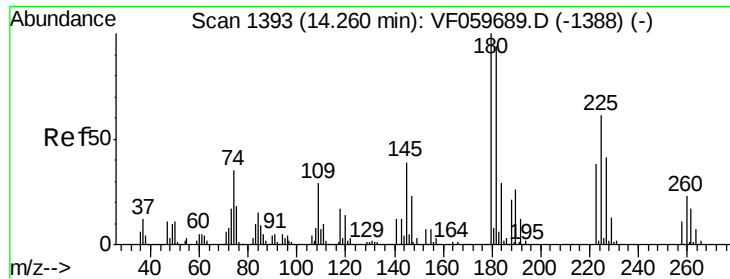


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

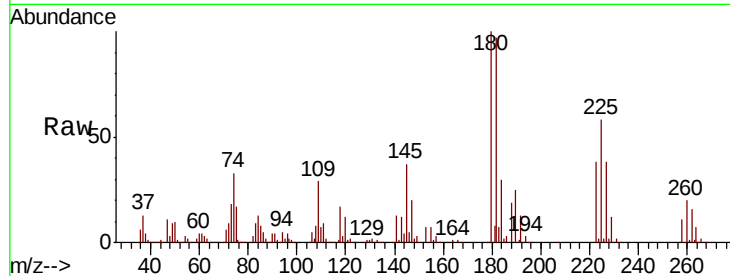




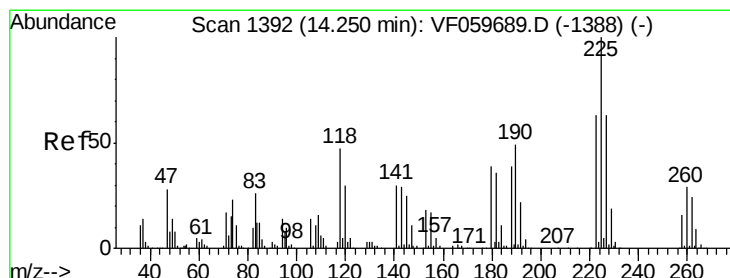
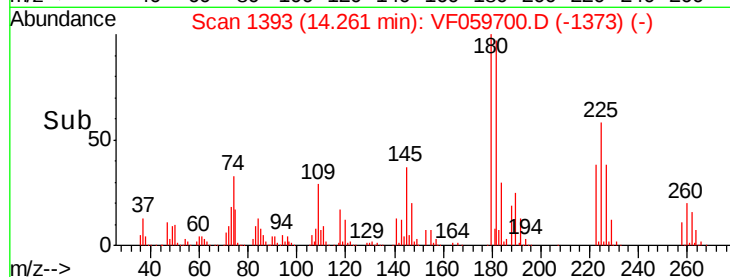
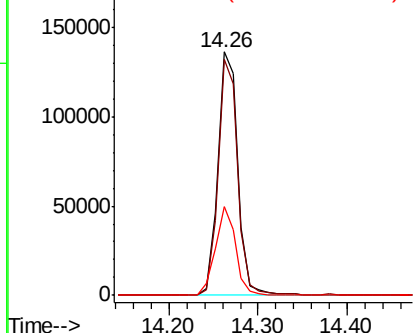
#93
 1,2,4-Trichlorobenzene
 Concen: 53.950 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.2	141.6
145	36.6	19.3	57.9

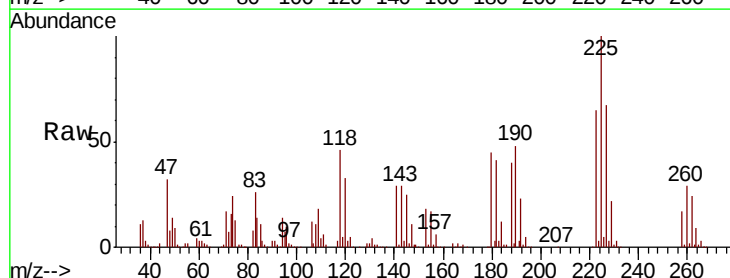


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

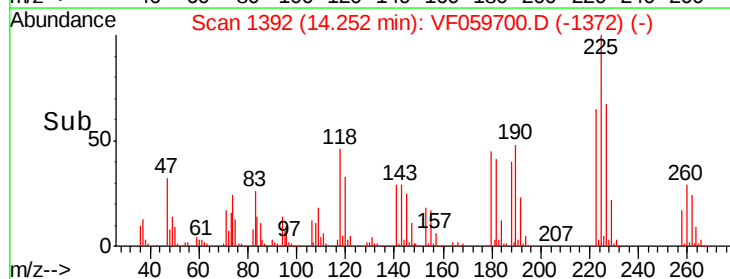
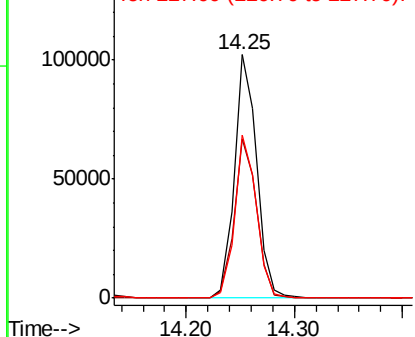


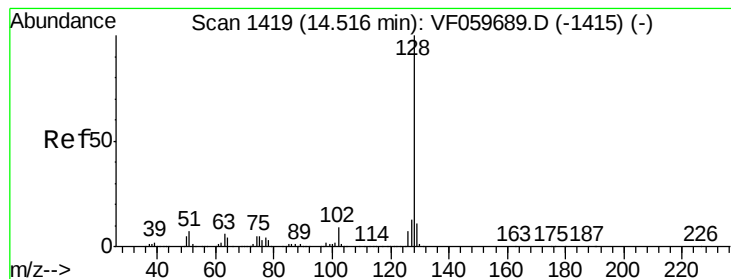
#94
 Hexachlorobutadiene
 Concen: 48.650 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.4	94.2
227	67.1	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: 49.200 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

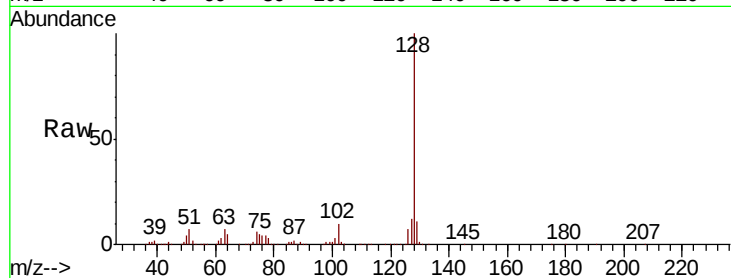
Tot Ion:128 Resp: 390031

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

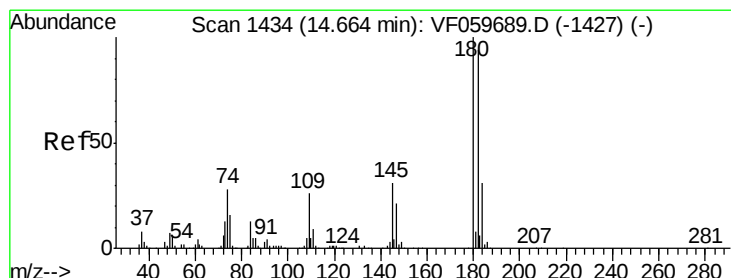
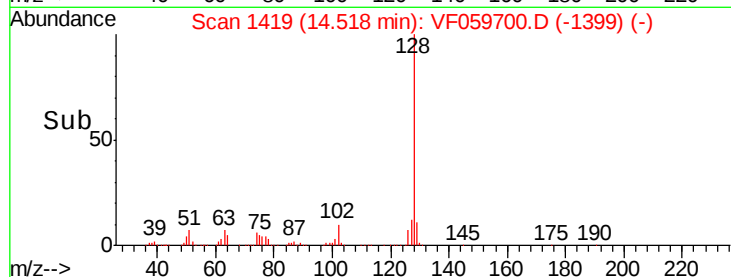
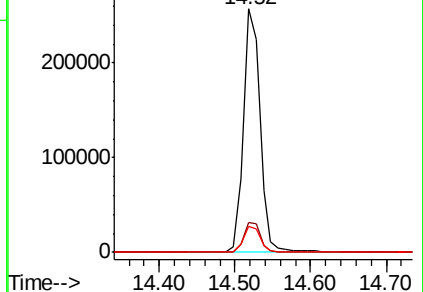
129 10.9 8.6 13.0



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: 49.062 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

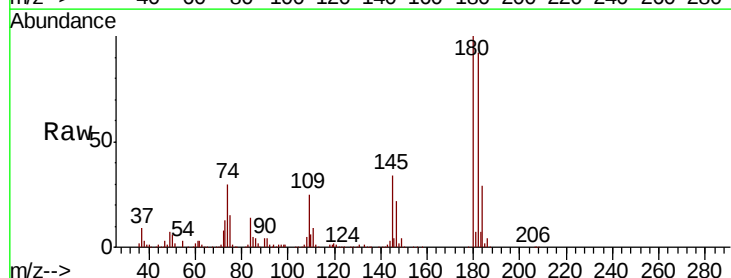
Tgt Ion:180 Resp: 214977

Ion Ratio Lower Upper

180 100

182 91.6 47.2 141.6

145 34.3 15.6 46.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

