

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059694.D
 Acq On : 30 Jul 2018 18:08
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	208284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	291390	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	281614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	189056	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	18992	5.81	ug/l	0.00
Spiked Amount			Recovery	=	11.62%	
35) Dibromofluoromethane	4.28	113	16041	5.75	ug/l	0.00
Spiked Amount			Recovery	=	11.50%	
50) Toluene-d8	7.70	98	37088	5.50	ug/l	0.00
Spiked Amount			Recovery	=	11.00%	
62) 4-Bromofluorobenzene	11.50	95	22654	6.21	ug/l	0.00
Spiked Amount			Recovery	=	12.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	17393	8.087	ug/l	94
3) Chloromethane	1.08	50	9348	7.688	ug/l #	81
4) Vinyl Chloride	1.15	62	8472	6.582	ug/l	98
5) Bromomethane	1.33	94	6779	6.050	ug/l	90
6) Chloroethane	1.42	64	5514	6.866	ug/l #	76
7) Trichlorofluoromethane	1.53	101	11462	2.961	ug/l #	83
8) Diethyl Ether	1.69	74	4006	7.306	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	10700	5.200	ug/l	90
10) Methyl Iodide	1.96	142	18597	6.175	ug/l #	78
11) Tert butyl alcohol	2.69	59	5639	40.153	ug/l #	65
12) 1,1-Dichloroethene	1.85	96	9624	6.321	ug/l	85
13) Acrolein	2.09	56	2088	33.592	ug/l	89
14) Allyl chloride	2.19	41	13137	5.275	ug/l	91
15) Acrylonitrile	3.07	53	8605	40.197	ug/l #	62
16) Acetone	2.33	43	20359	34.155	ug/l #	91
17) Carbon Disulfide	1.88	76	23802	6.431	ug/l	99
18) Methyl Acetate	2.44	43	8238	8.256	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	29376	6.905	ug/l	98
20) Methylene Chloride	2.28	84	8079	3.680	ug/l #	76
21) trans-1,2-Dichloroethene	2.40	96	10328	6.614	ug/l	89
22) Diisopropyl ether	2.92	45	29057	5.837	ug/l	90
23) Vinyl Acetate	3.33	43	72102	29.217	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	20736	5.855	ug/l	96
25) 2-Butanone	4.51	43	20378	31.028	ug/l #	94
26) 2,2-Dichloropropane	3.75	77	15150	5.258	ug/l #	77
27) cis-1,2-Dichloroethene	3.62	96	9869	5.388	ug/l	93
28) Bromochloromethane	3.87	49	8863	6.793	ug/l #	81
29) Tetrahydrofuran	4.26	42	8045	30.519	ug/l #	89
30) Chloroform	4.03	83	29847	5.966	ug/l	94
31) Cyclohexane	3.86	56	10289	5.056	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	23178	5.648	ug/l	93
36) 1,1-Dichloropropene	4.44	75	20156	6.377	ug/l	94
37) Ethyl Acetate	4.29	43	9827	7.128	ug/l #	82
38) Carbon Tetrachloride	4.17	117	28367	6.117	ug/l	89

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 ClientSampleId :

Quant Time: Jul 31 03:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	14769	5.742	ug/l	97
40) Benzene	4.80	78	32246	5.744	ug/l	96
41) Methacrylonitrile	4.94	41	4554	6.708	ug/l #	67
42) 1,2-Dichloroethane	5.11	62	22092	6.048	ug/l	89
43) Isopropyl Acetate	7.11	43	9362	6.558	ug/l #	98
44) Trichloroethene	5.67	130	13181	6.062	ug/l	75
45) 1,2-Dichloropropane	6.40	63	8244	5.526	ug/l	95
46) Dibromomethane	6.25	93	8295	6.403	ug/l	87
47) Bromodichloromethane	6.54	83	20775	5.473	ug/l	97
48) Methyl methacrylate	6.88	41	6769	6.042	ug/l #	78
49) 1,4-Dioxane	6.86	88	1031	115.310	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	33693	29.329	ug/l	98
52) Toluene	7.78	92	26075	6.253	ug/l	80
53) t-1,3-Dichloropropene	8.43	75	18758	6.179	ug/l #	83
54) cis-1,3-Dichloropropene	7.45	75	17719	5.625	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	8382	6.052	ug/l	87
56) Ethyl methacrylate	8.76	69	7733	5.267	ug/l	95
57) 1,3-Dichloropropane	8.99	76	14306	5.974	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.77	63	5216	29.424	ug/l	100
59) 2-Hexanone	9.63	43	32958	38.676	ug/l	89
60) Dibromochloromethane	8.85	129	13979	5.595	ug/l	99
61) 1,2-Dibromoethane	9.13	107	9189	5.487	ug/l #	75
64) Tetrachloroethene	8.29	164	12843	5.723	ug/l	96
65) Chlorobenzene	9.93	112	33744	6.167	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.06	131	14607	5.800	ug/l	93
67) Ethyl Benzene	10.03	91	54785	5.522	ug/l	98
68) m/p-Xylenes	10.26	106	40059	11.666	ug/l	99
69) o-Xylene	10.82	106	20890	5.634	ug/l	98
70) Styrene	10.90	104	31030	5.754	ug/l	93
71) Bromoform	10.89	173	9111	5.867	ug/l	89
73) Isopropylbenzene	11.23	105	65222	5.054	ug/l	92
74) N-amyl acetate	11.46	43	19087	7.217	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.78	83	13178	6.219	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	11700	6.723	ug/l	98
77) Bromobenzene	11.59	156	18141	5.792	ug/l	89
78) n-propylbenzene	11.68	91	79258	5.331	ug/l	99
79) 2-Chlorotoluene	11.81	91	50690	5.602	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	60924	5.379	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	6347	7.024	ug/l	87
82) 4-Chlorotoluene	11.98	91	55077	5.777	ug/l	99
83) tert-Butylbenzene	12.21	119	61850	5.403	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	61327	5.270	ug/l	97
85) sec-Butylbenzene	12.38	105	77608	5.153	ug/l	97
86) p-Isopropyltoluene	12.54	119	67406	5.205	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	36318	5.946	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	34530	5.934	ug/l	98
89) n-Butylbenzene	12.91	91	66260	5.291	ug/l	91
90) Hexachloroethane	12.99	117	16785	5.092	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	36005	6.340	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2651	5.144	ug/l	71

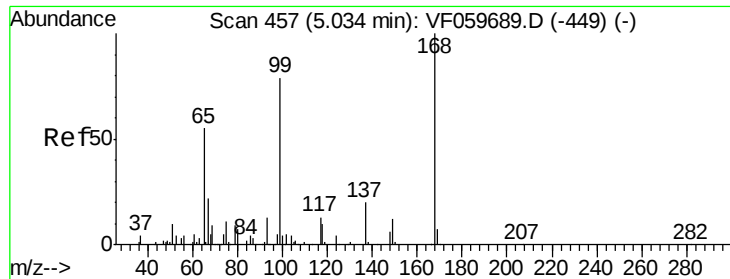
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
Data File : VF059694.D
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 03:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	26588	5.842	ug/l	93
94) Hexachlorobutadiene	14.25	225	16970	5.069	ug/l	93
95) Naphthalene	14.52	128	41664	5.746	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	25383	6.136	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

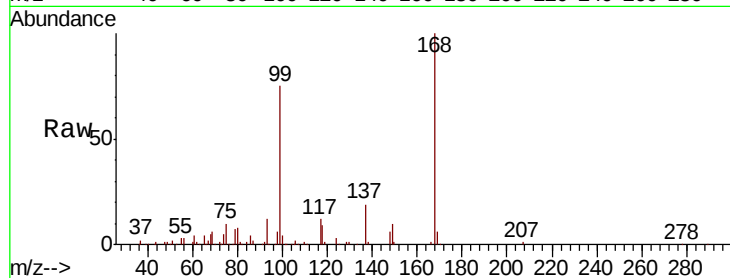
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 208284

Ion Ratio Lower Upper

168 100

99 75.2 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

80000

60000

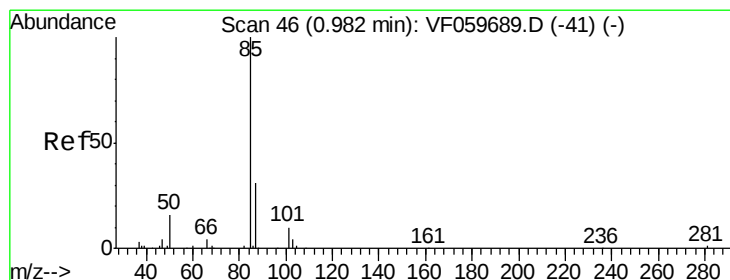
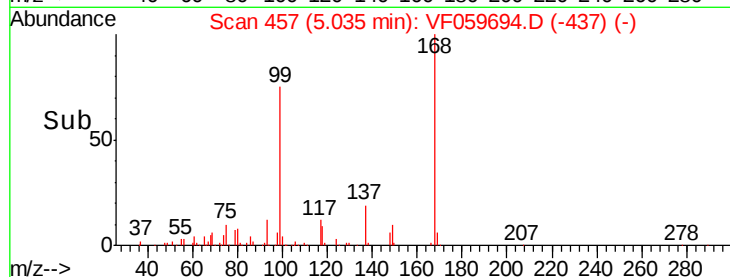
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 8.087 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059694.D

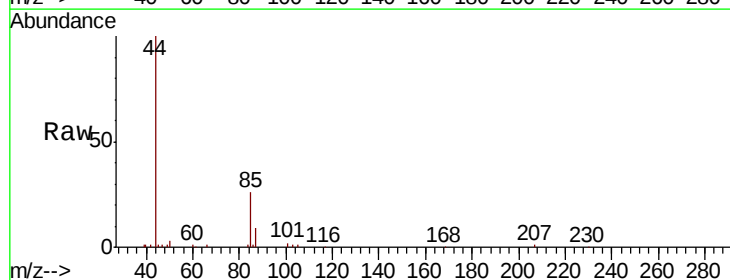
Acq: 30 Jul 2018 18:08

Tgt Ion: 85 Resp: 17393

Ion Ratio Lower Upper

85 100

87 34.0 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

6000

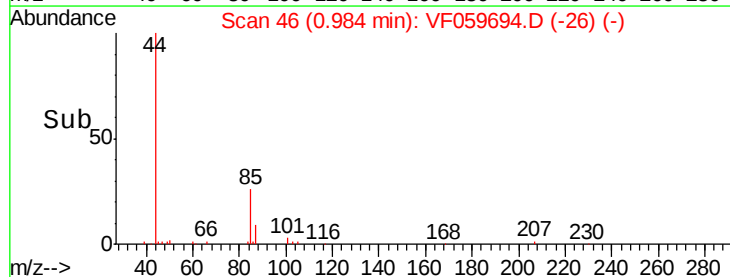
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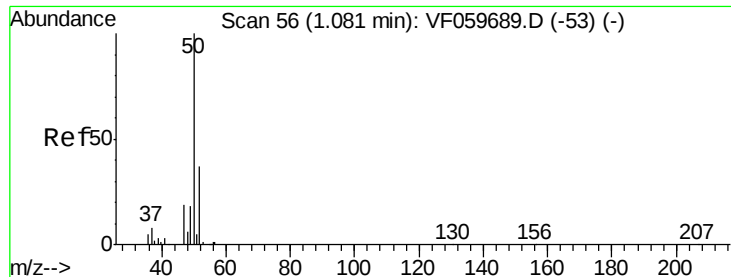
2000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 7.688 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

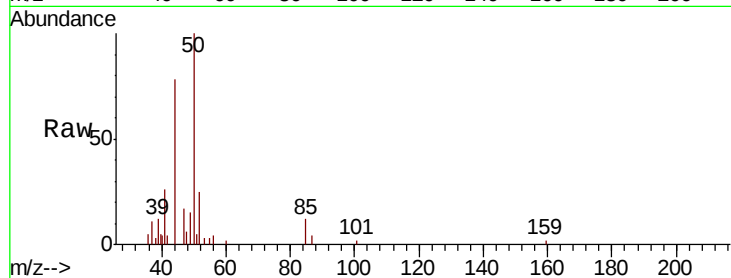
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 9348

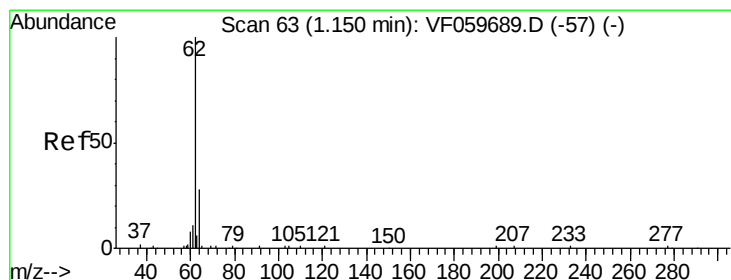
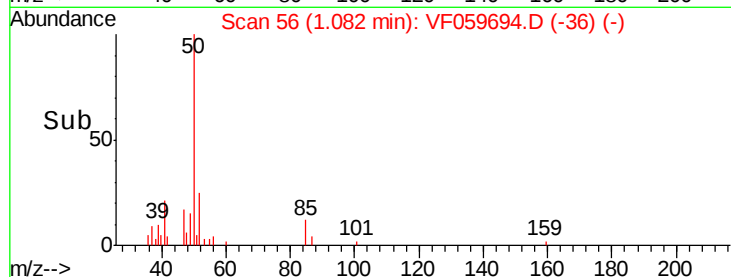
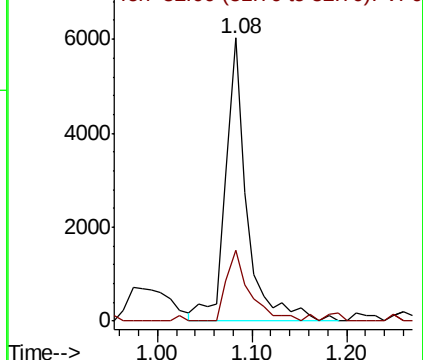
Ion Ratio Lower Upper

50 100

52 24.9 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 6.582 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059694.D

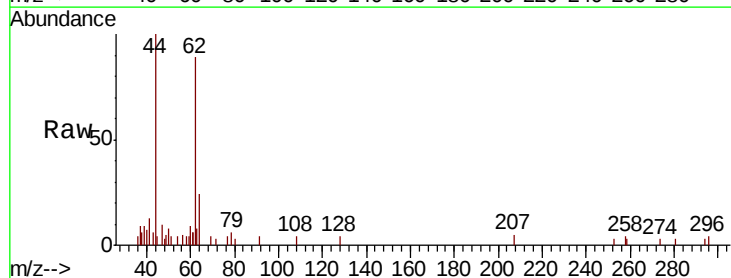
Acq: 30 Jul 2018 18:08

Tgt Ion: 62 Resp: 8472

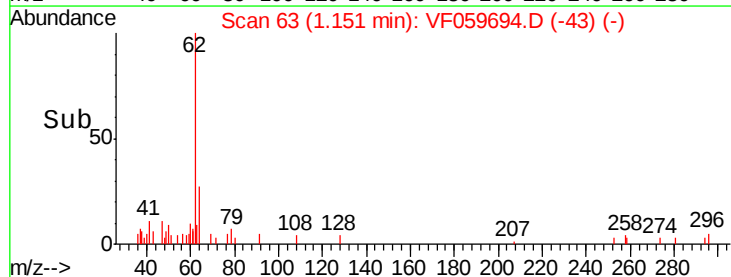
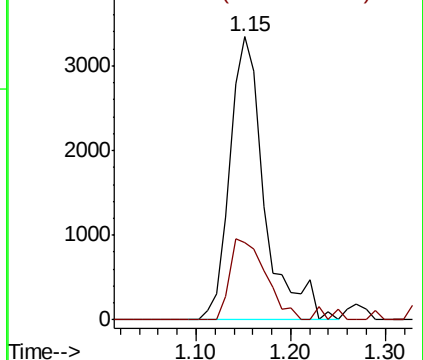
Ion Ratio Lower Upper

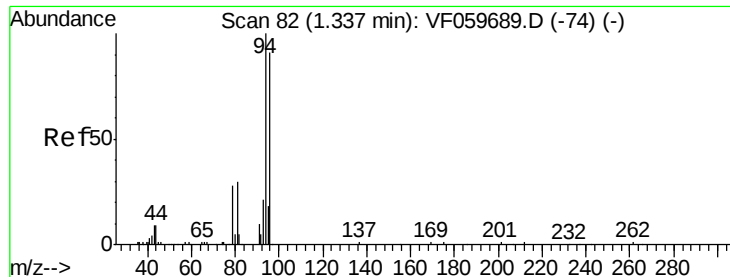
62 100

64 27.2 22.6 33.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 6.050 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

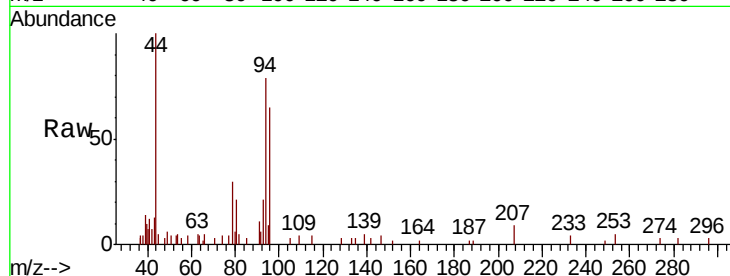
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 6779

Ion Ratio Lower Upper

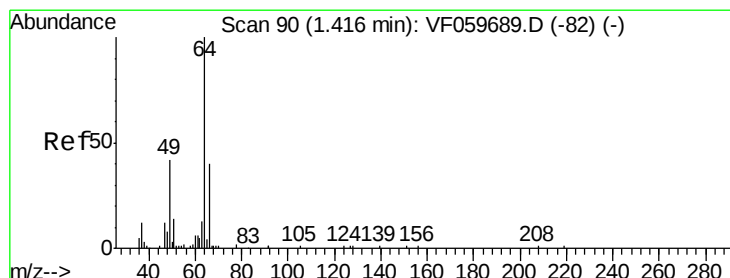
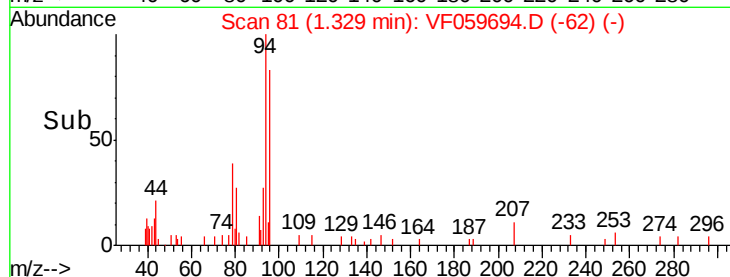
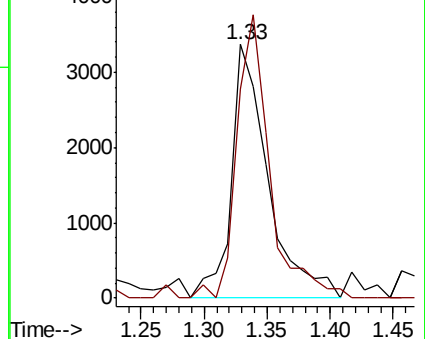
94 100

96 82.5 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 6.866 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059694.D

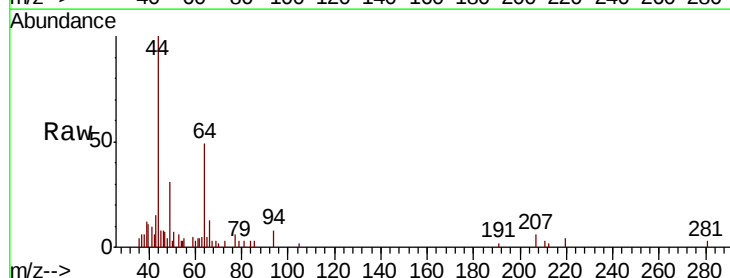
Acq: 30 Jul 2018 18:08

Tgt Ion: 64 Resp: 5514

Ion Ratio Lower Upper

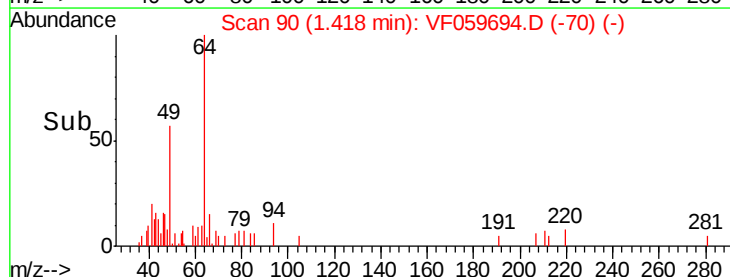
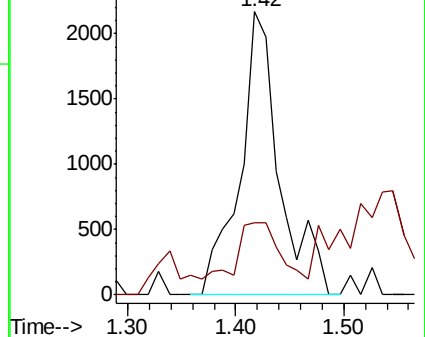
64 100

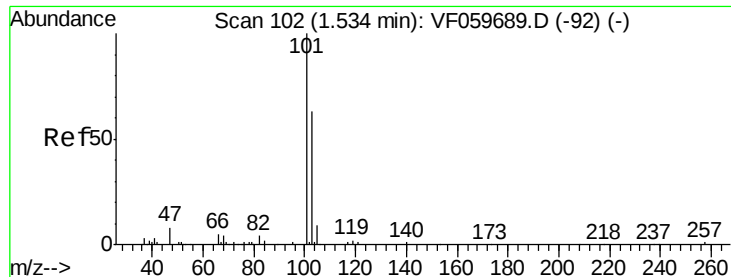
66 25.6 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



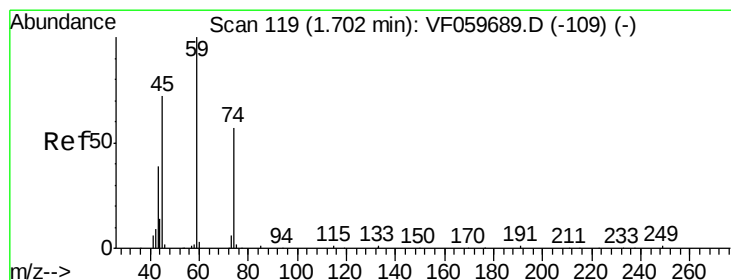
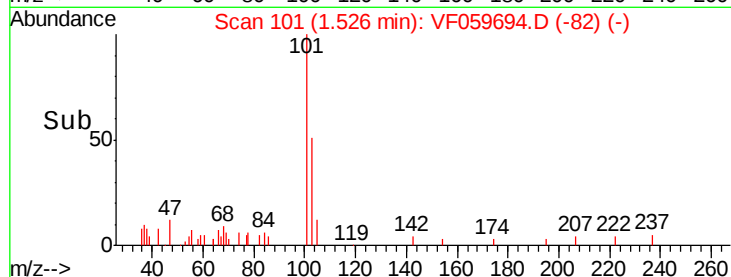
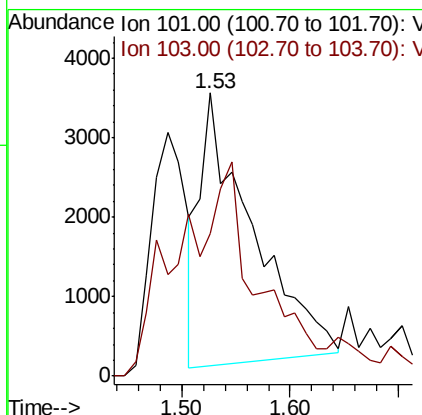
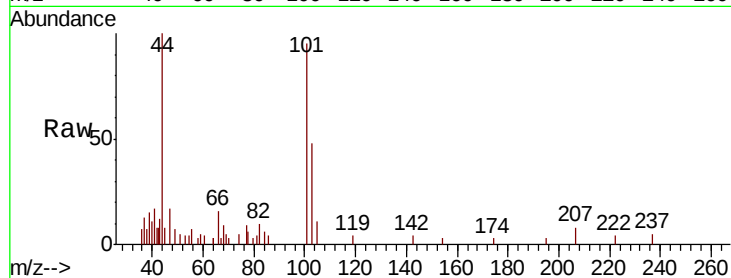


#7

Trichlorofluoromethane
 Concen: 2.961 ug/l
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :

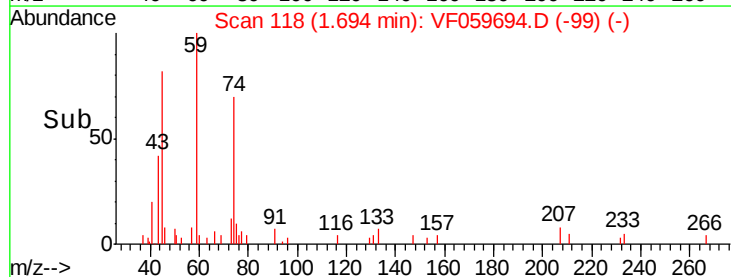
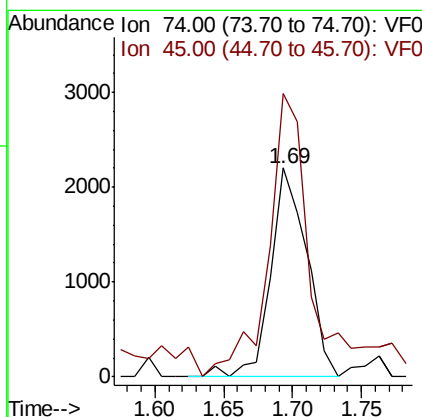
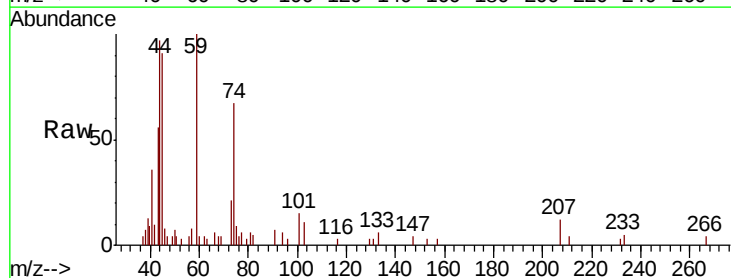
Tot Ion:101 Resp: 11462
 Ion Ratio Lower Upper
 101 100
 103 50.6 50.8 76.2#

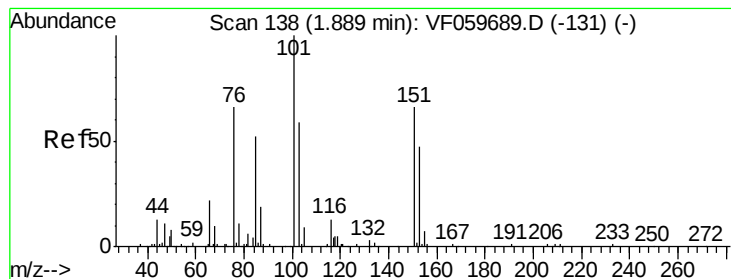


#8

Diethyl Ether
 Concen: 7.306 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion: 74 Resp: 4006
 Ion Ratio Lower Upper
 74 100
 45 135.7 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.200 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

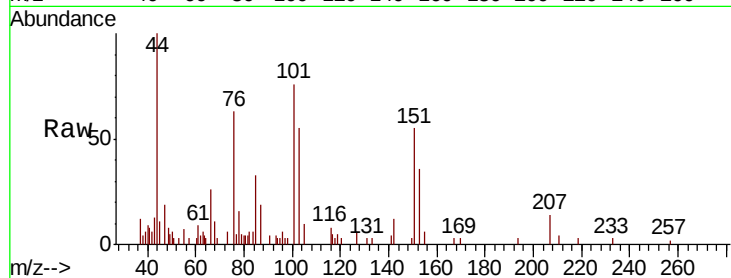
Tot Ion:101 Resp: 10700

Ion Ratio Lower Upper

101 100

85 43.6 40.7 61.1

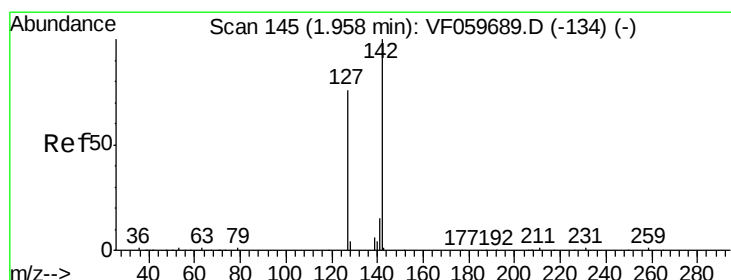
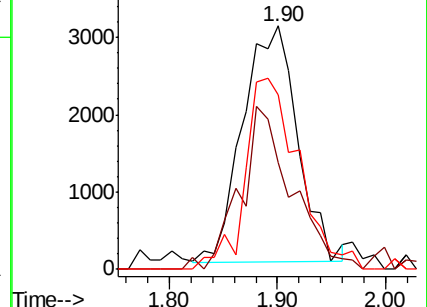
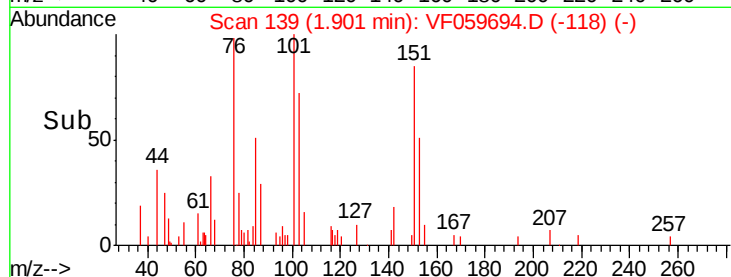
151 71.9 51.4 77.2



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: 6.175 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

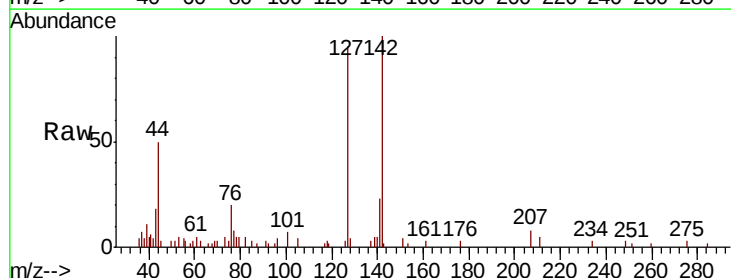
Tgt Ion:142 Resp: 18597

Ion Ratio Lower Upper

142 100

127 95.4 60.6 91.0#

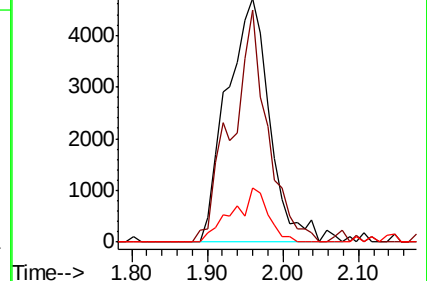
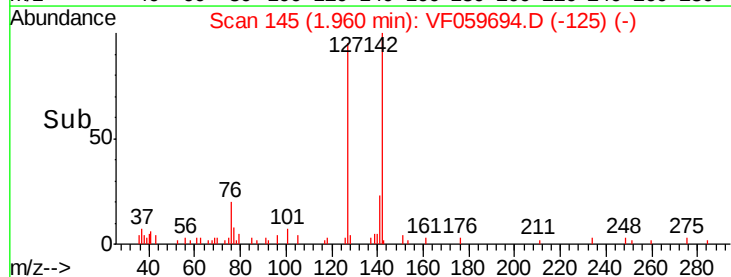
141 22.5 12.0 18.0#

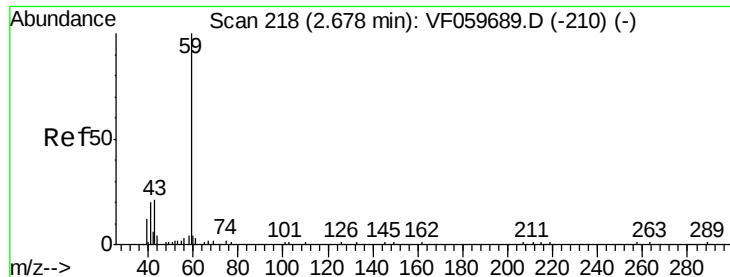


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



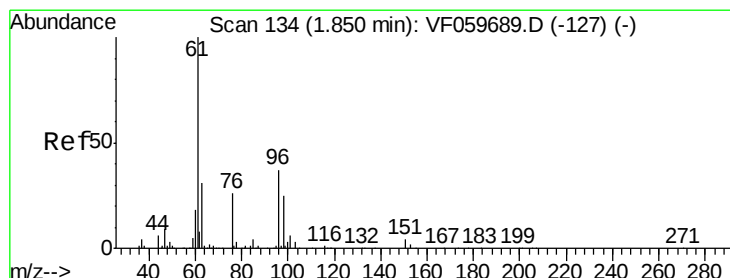
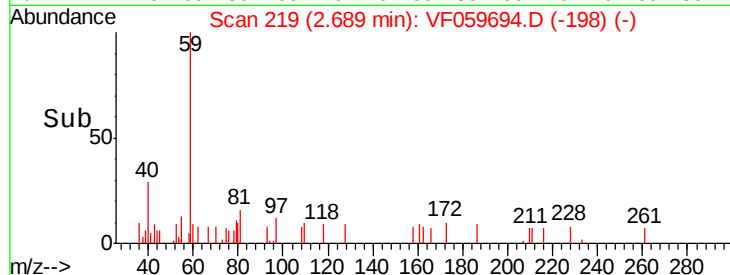
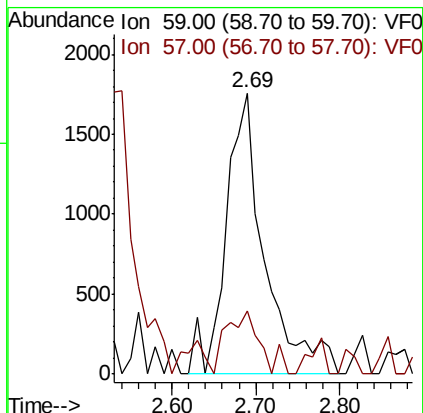
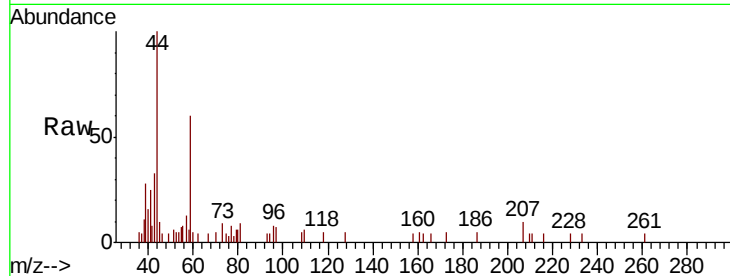


#11

Tert butyl alcohol
 Concen: 40.153 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :

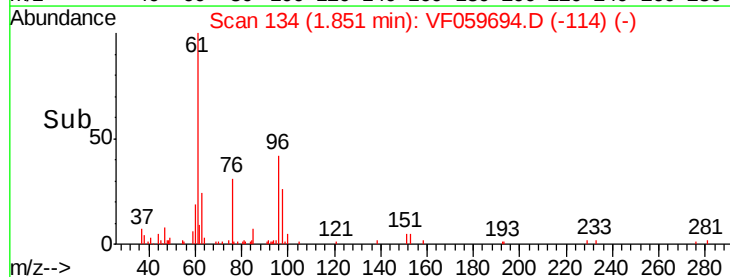
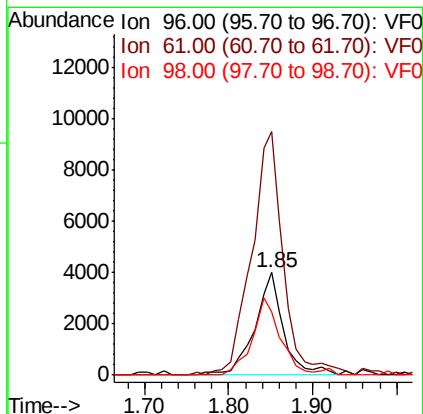
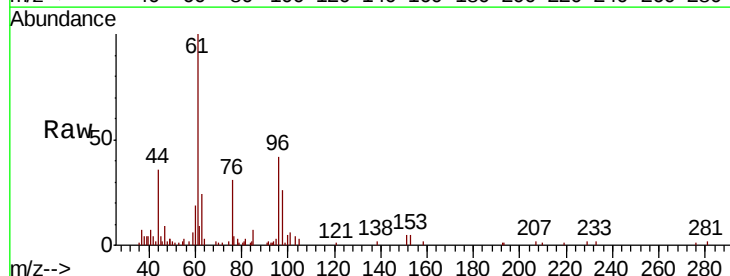
Tot Ion: 59 Resp: 5639
 Ion Ratio Lower Upper
 59 100
 57 22.4 7.6 11.4#

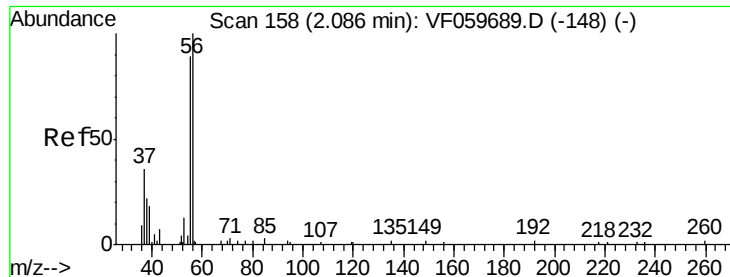


#12

1,1-Dichloroethene
 Concen: 6.321 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion: 96 Resp: 9624
 Ion Ratio Lower Upper
 96 100
 61 237.4 215.1 322.7
 98 61.9 54.3 81.5





#13

Acrolein

Concen: 33.592 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

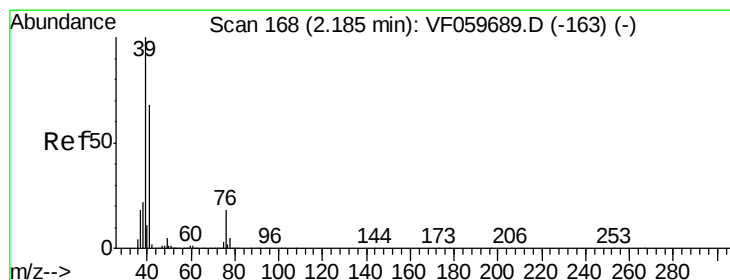
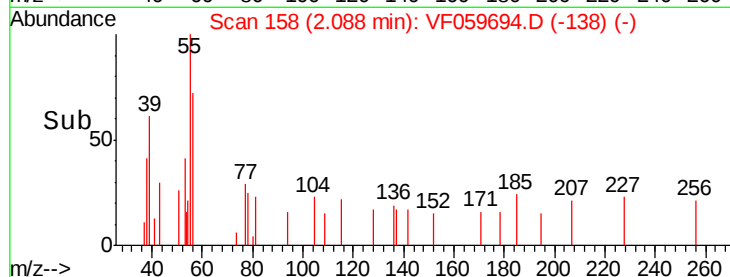
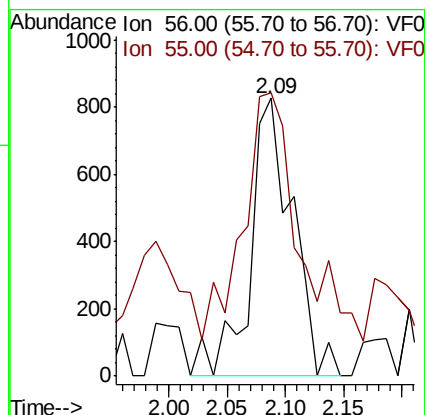
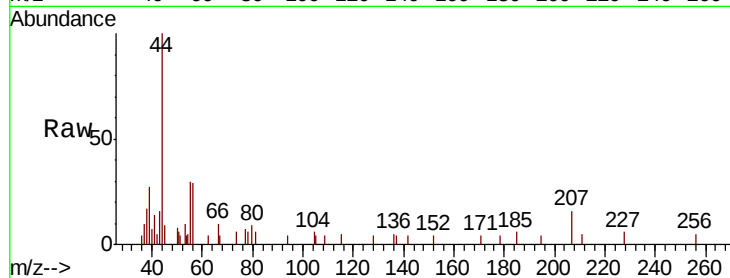
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 2088

Ion Ratio Lower Upper

56 100

55 101.9 73.2 109.8



#14

Allyl chloride

Concen: 5.275 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

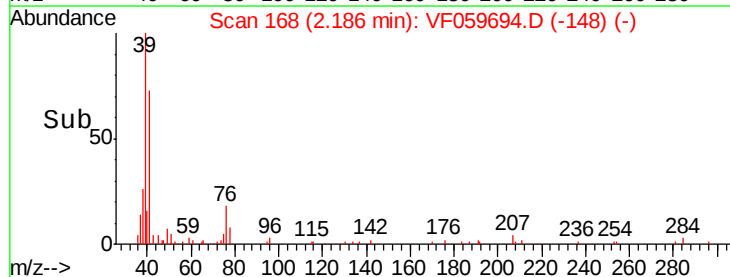
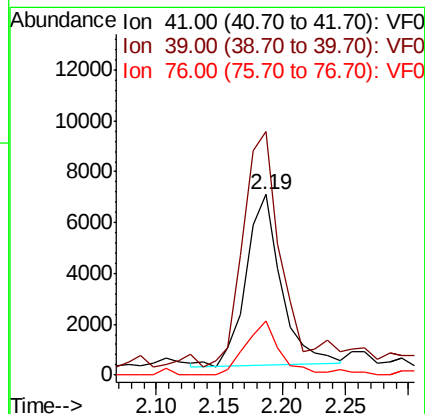
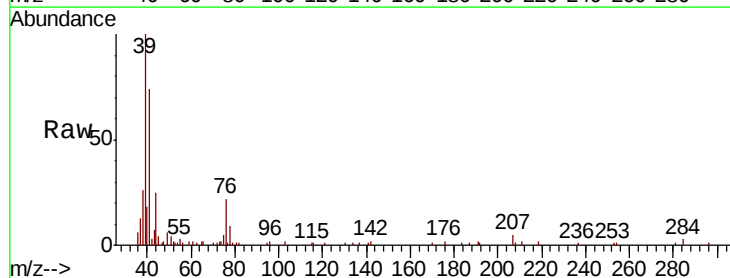
Tgt Ion: 41 Resp: 13137

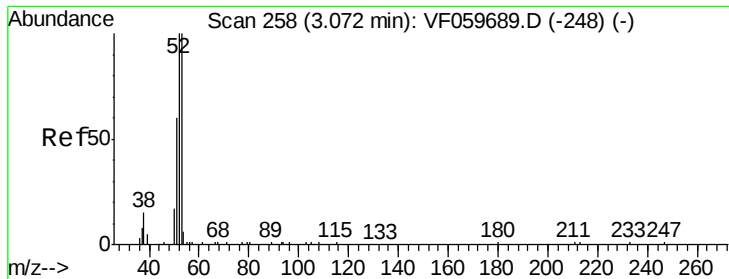
Ion Ratio Lower Upper

41 100

39 134.7 118.1 177.1

76 29.8 22.0 33.0





#15

Acrylonitrile

Concen: 40.197 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

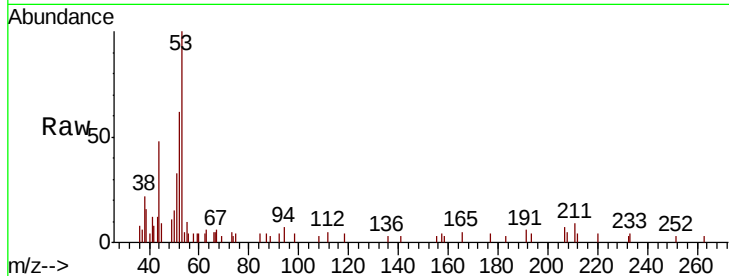
Tot Ion: 53 Resp: 8605

Ion Ratio Lower Upper

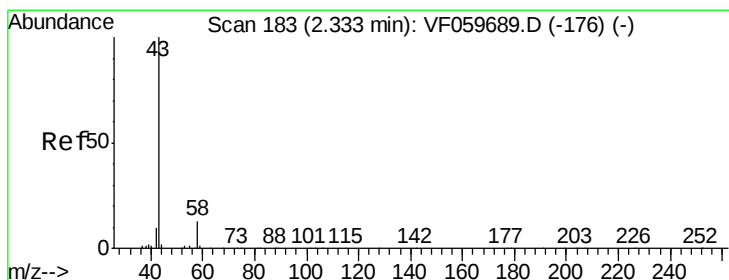
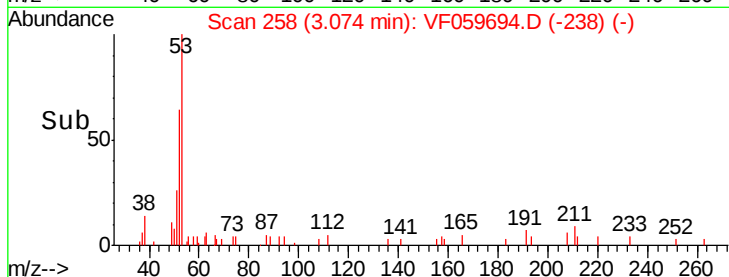
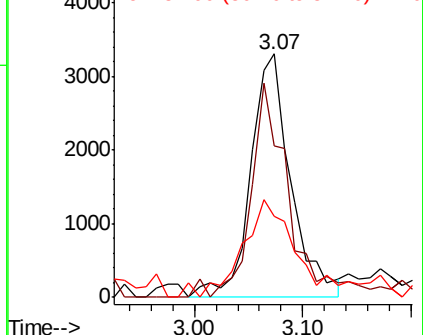
53 100

52 62.3 80.3 120.5#

51 33.3 49.4 74.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 34.155 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059694.D

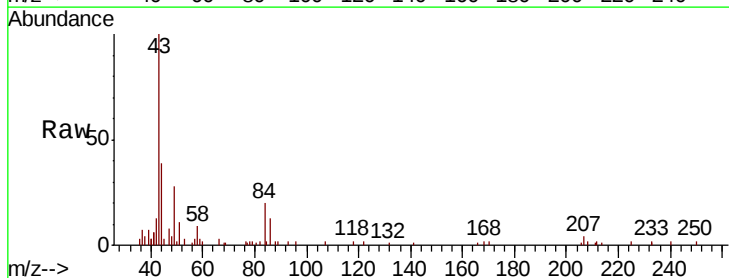
Acq: 30 Jul 2018 18:08

Tgt Ion: 43 Resp: 20359

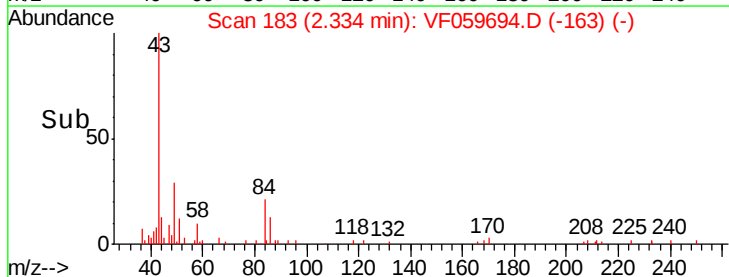
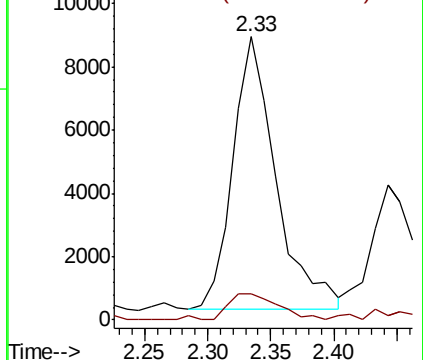
Ion Ratio Lower Upper

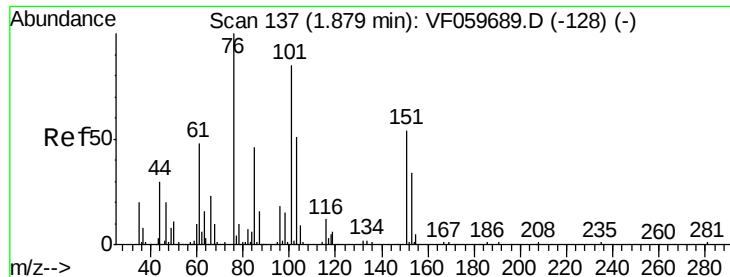
43 100

58 9.2 10.1 15.1#



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

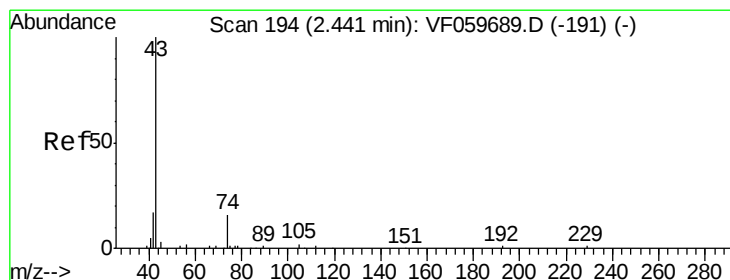
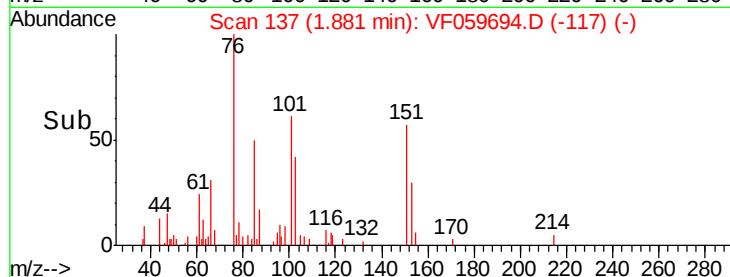
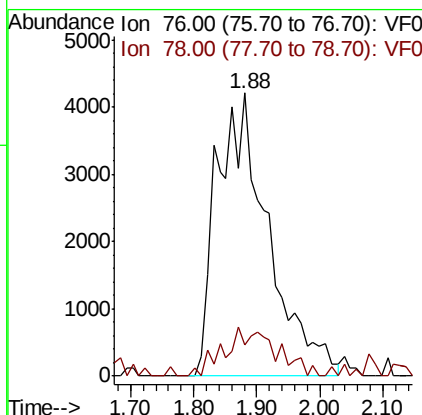
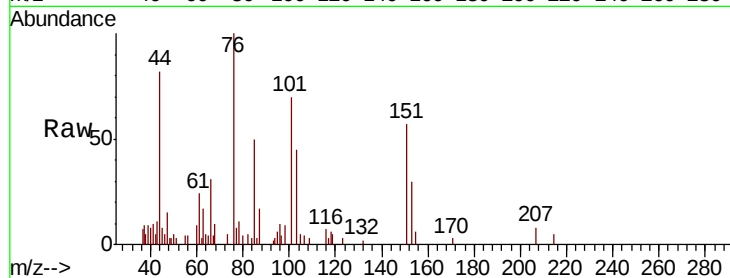




#17
Carbon Disulfide
Concen: 6.431 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

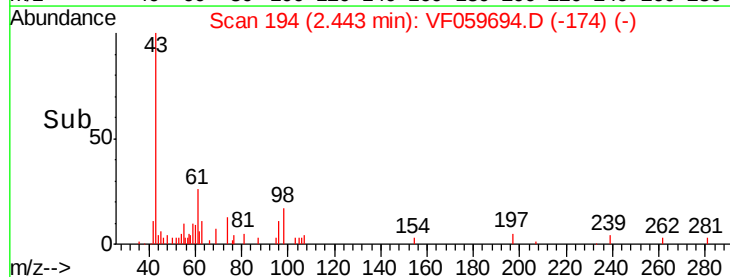
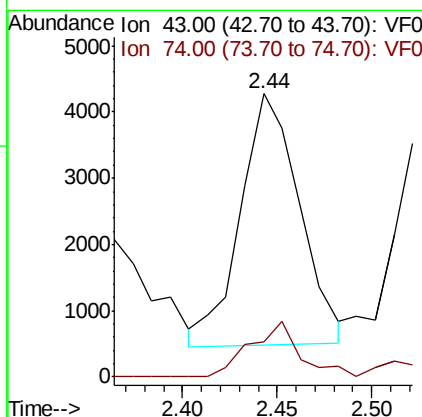
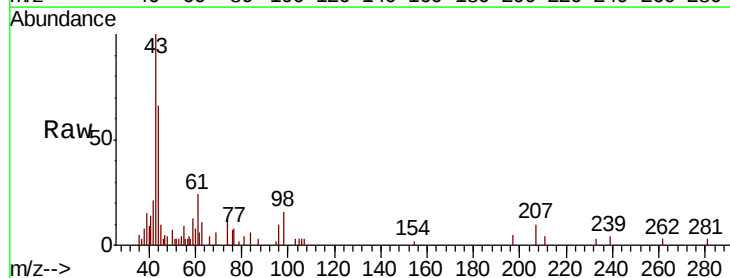
Instrument :
MSVOA_F
ClientSampleId :

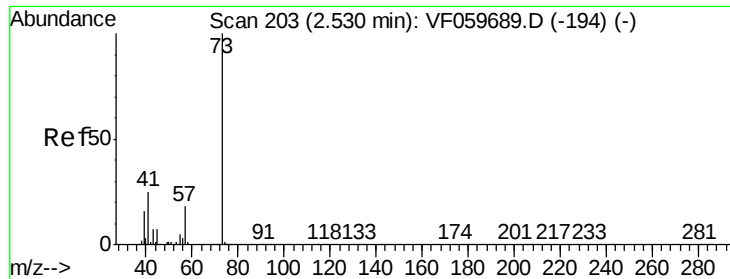
Tot Ion: 76 Resp: 23802
Ion Ratio Lower Upper
76 100
78 10.9 8.9 13.3



#18
Methyl Acetate
Concen: 8.256 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 43 Resp: 8238
Ion Ratio Lower Upper
43 100
74 12.4 11.8 17.6



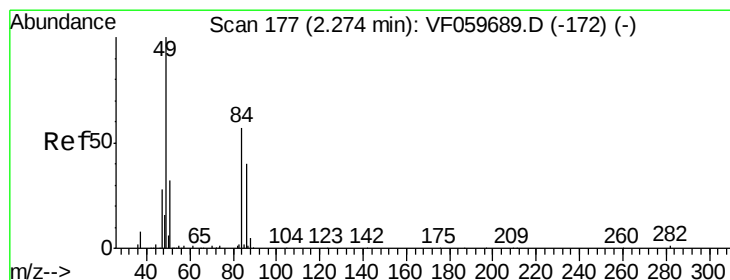
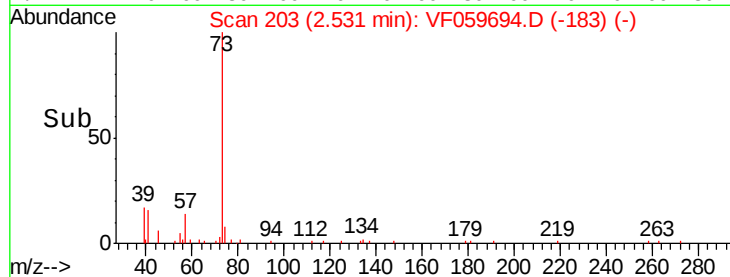
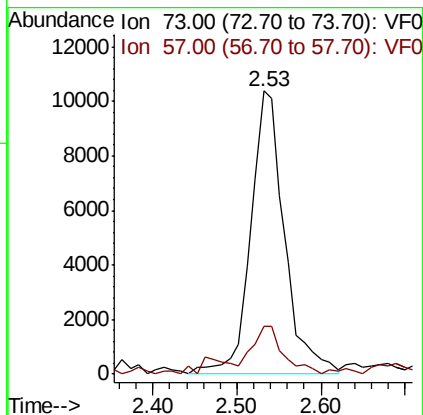
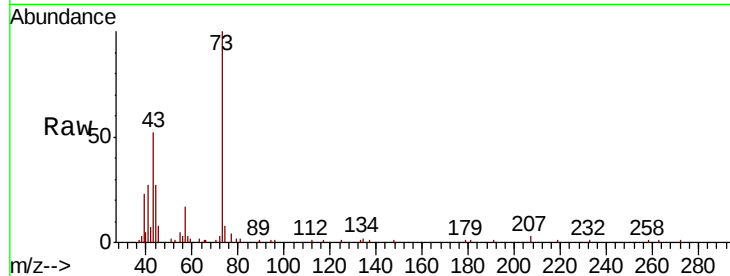


#19

Methyl tert-butyl Ether
 Concen: 6.905 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :

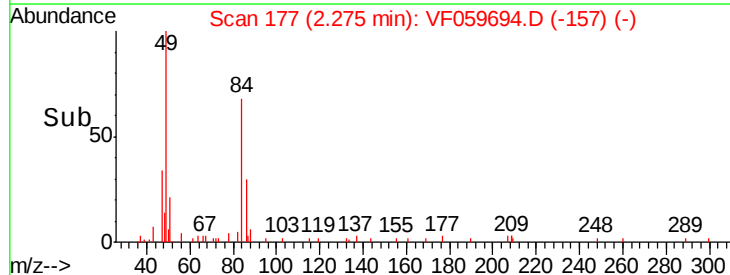
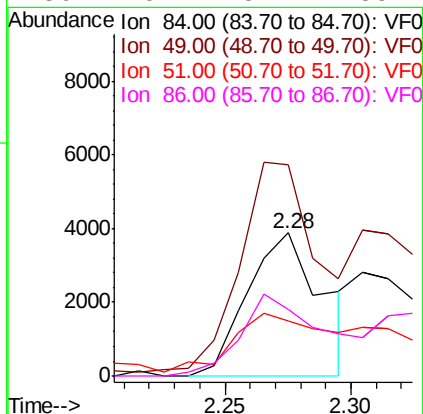
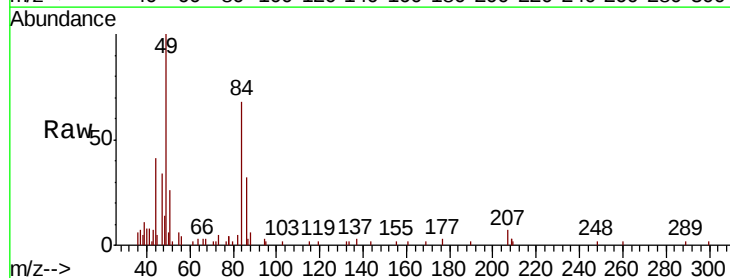
Tot Ion: 73 Resp: 29376
 Ion Ratio Lower Upper
 73 100
 57 17.0 14.2 21.2

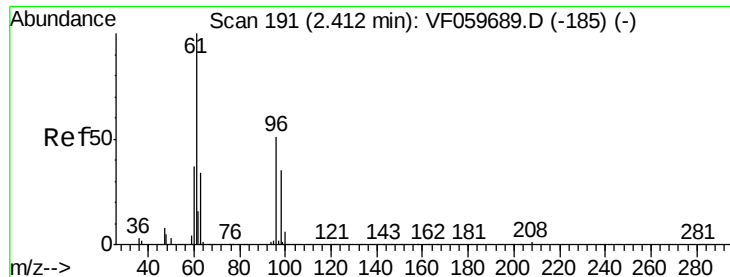


#20

Methylene Chloride
 Concen: 3.680 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion: 84 Resp: 8079
 Ion Ratio Lower Upper
 84 100
 49 147.9 142.2 213.4
 51 38.2 46.2 69.2#
 86 46.7 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: 6.614 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampled :

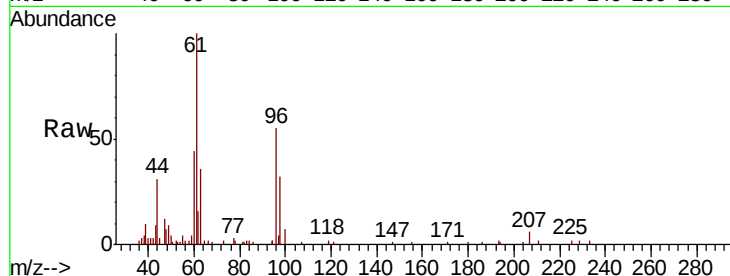
Tot Ion: 96 Resp: 10328

Ion Ratio Lower Upper

96 100

61 182.4 157.4 236.0

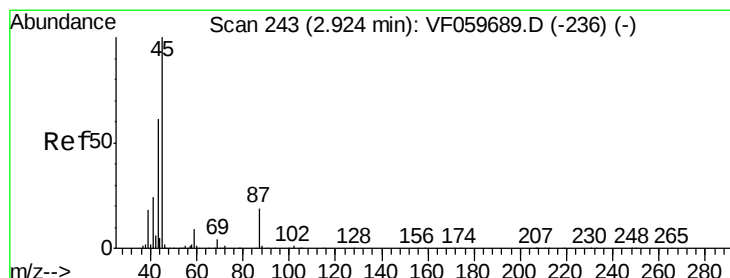
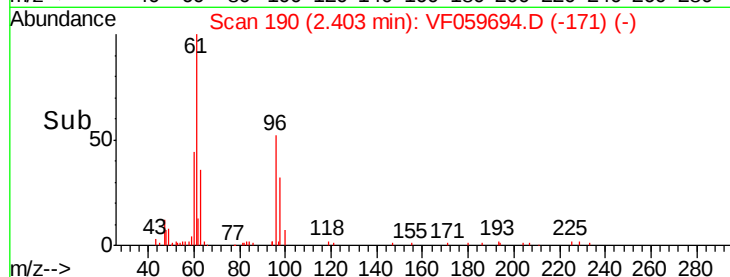
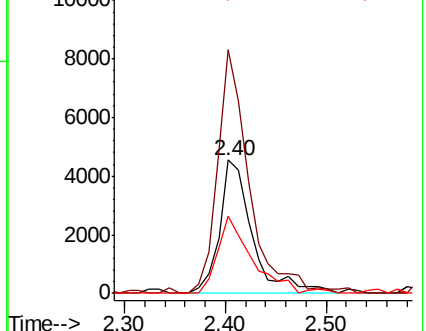
98 57.8 55.0 82.4



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: 5.837 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion: 45 Resp: 29057

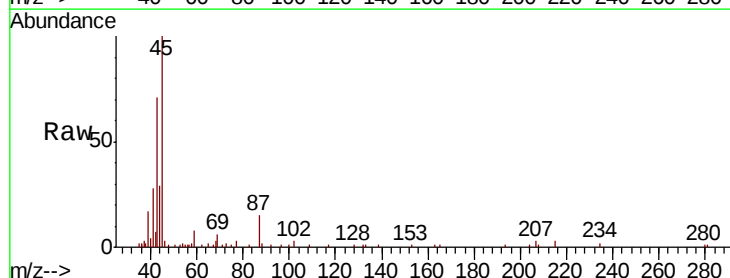
Ion Ratio Lower Upper

45 100

43 71.2 49.3 73.9

87 15.4 15.3 22.9

59 8.5 7.1 10.7

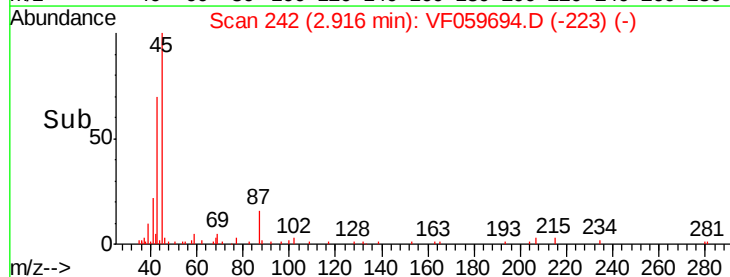
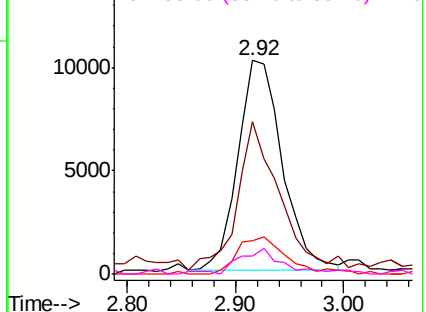


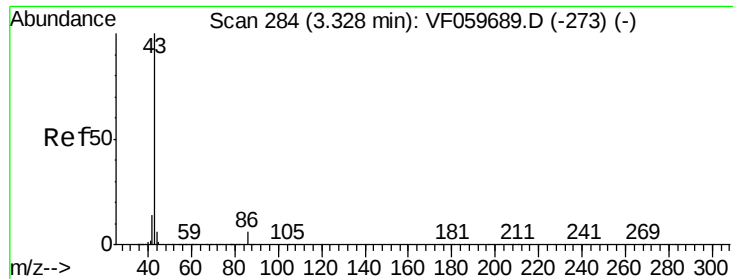
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 29.217 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

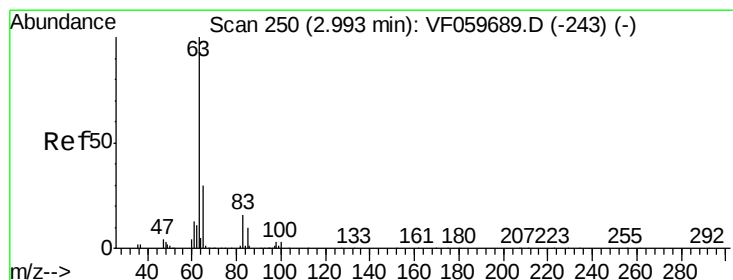
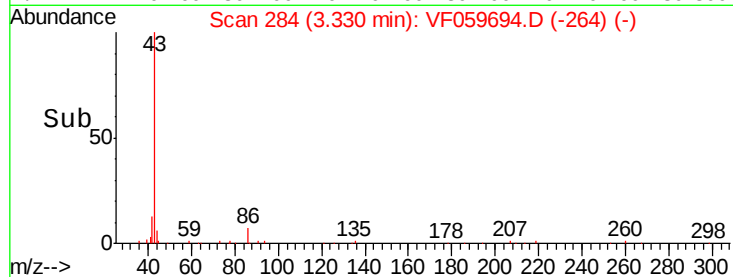
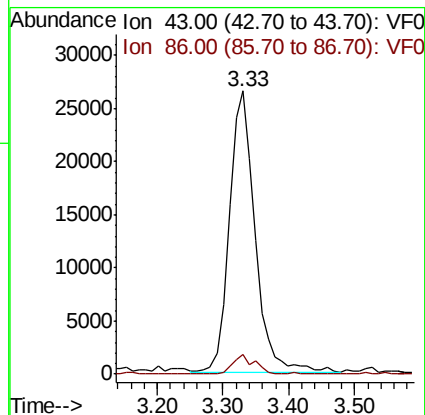
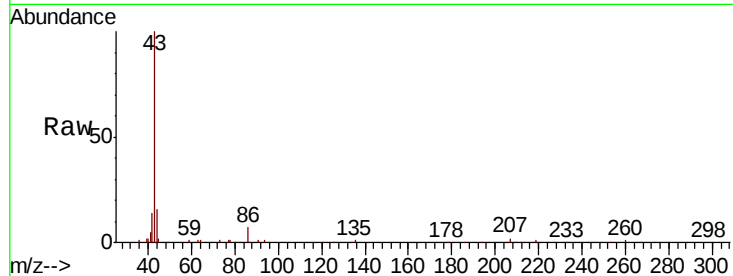
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 72102

Ion Ratio Lower Upper

43 100

86 7.1 4.6 6.8#



#24

1,1-Dichloroethane

Concen: 5.855 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

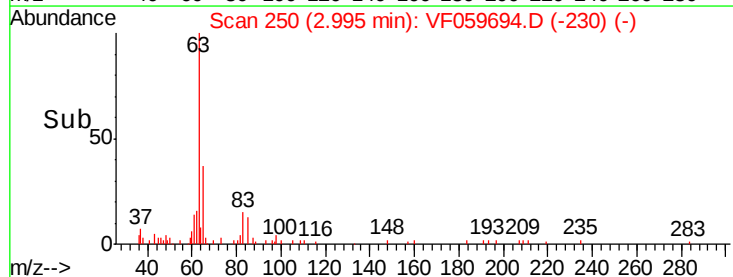
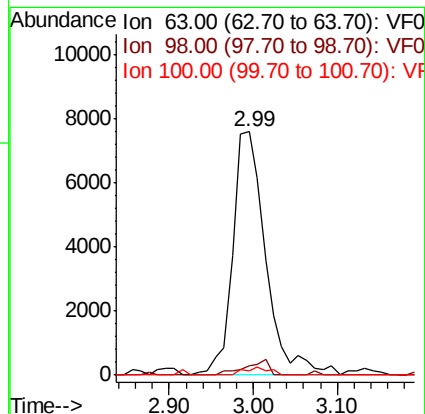
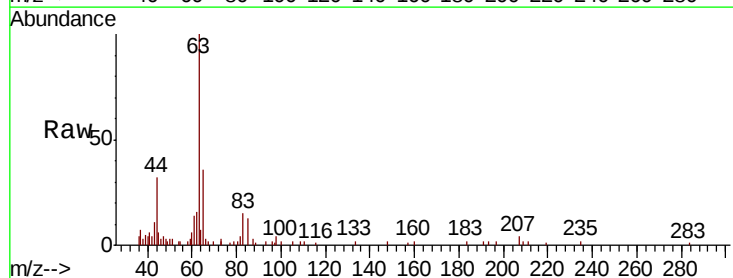
Tgt Ion: 63 Resp: 20736

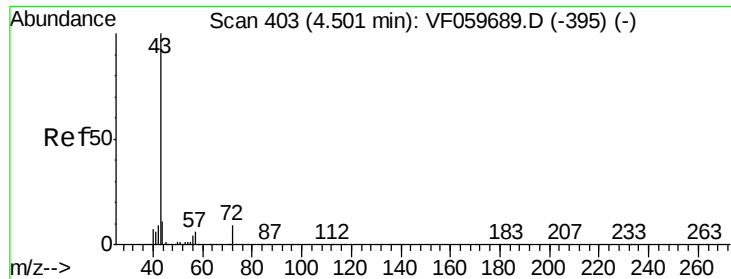
Ion Ratio Lower Upper

63 100

98 3.8 1.4 4.2

100 1.7 1.6 4.7





#25

2-Butanone

Concen: 31.028 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

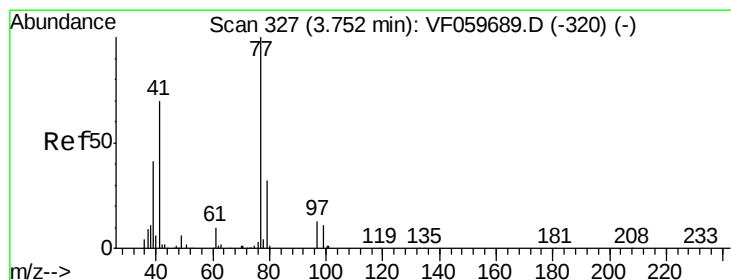
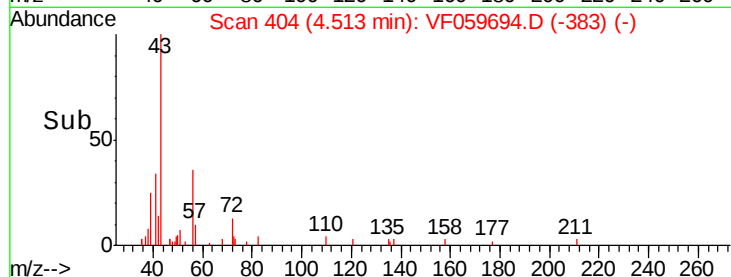
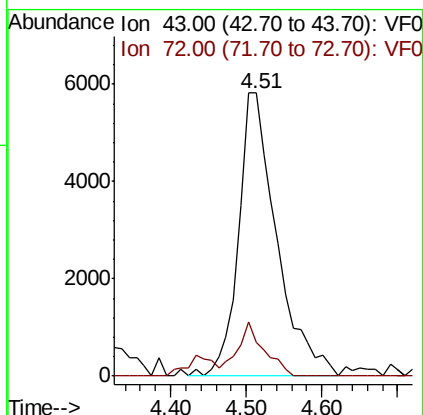
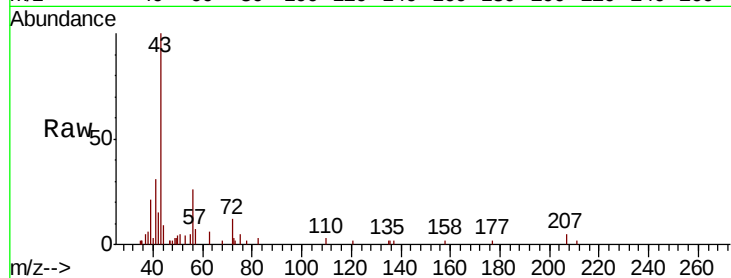
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 20378

Ion Ratio Lower Upper

43 100

72 11.7 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 5.258 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059694.D

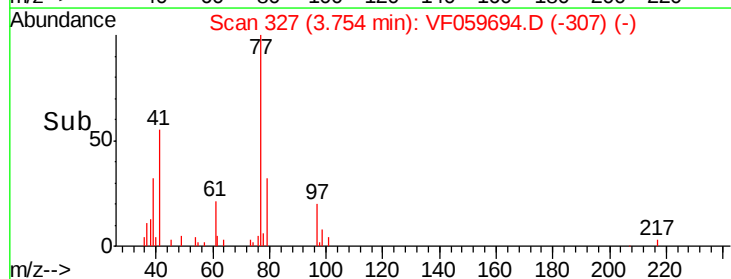
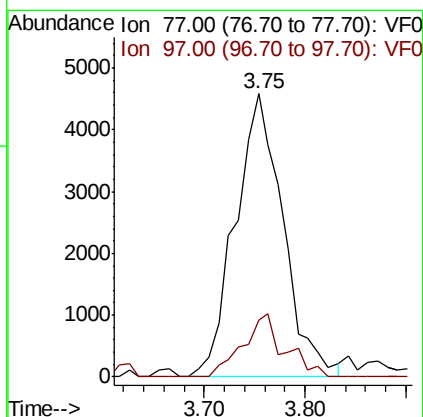
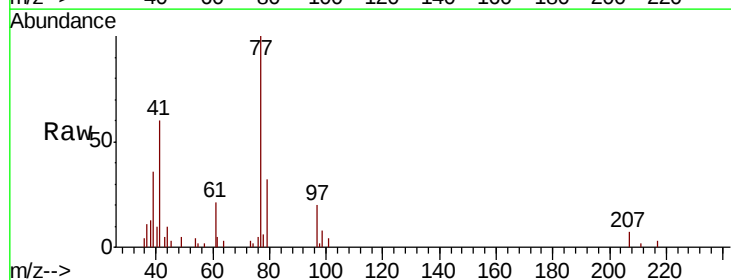
Acq: 30 Jul 2018 18:08

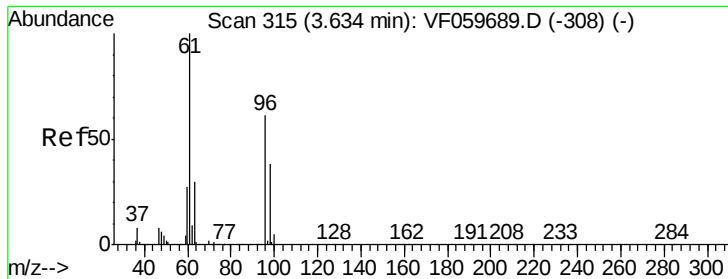
Tgt Ion: 77 Resp: 15150

Ion Ratio Lower Upper

77 100

97 22.7 6.8 20.4#



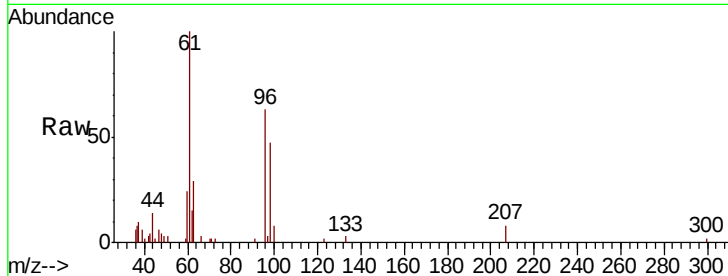


#27

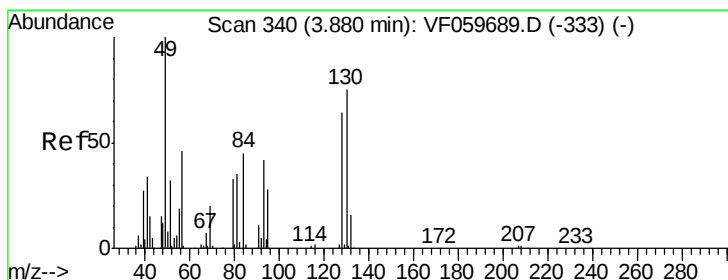
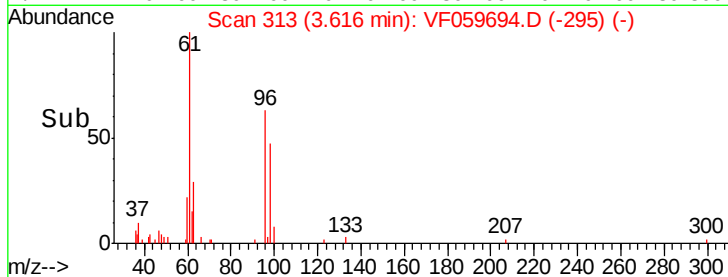
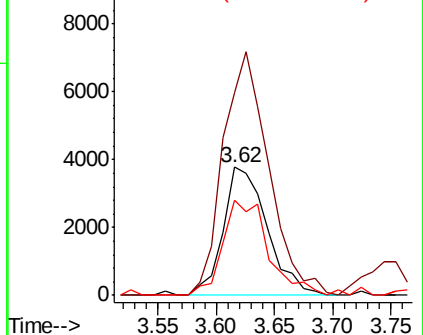
cis-1,2-Dichloroethene
Concen: 5.388 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	326.8
98	74.0	0.0	125.2



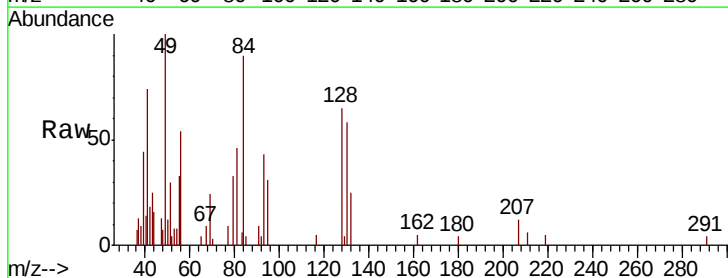
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



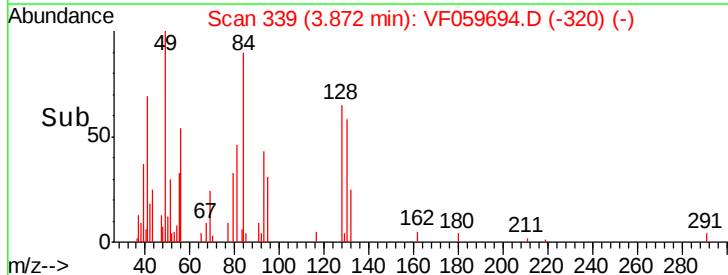
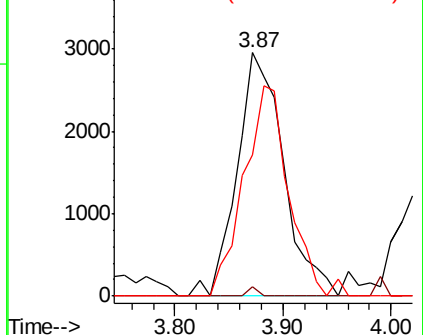
#28

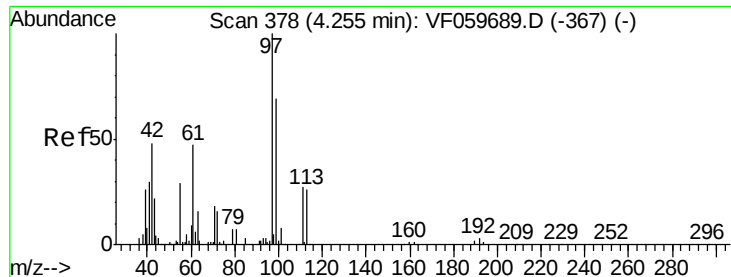
Bromochloromethane
Concen: 6.793 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	4.8
130	57.9	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: 30.519 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

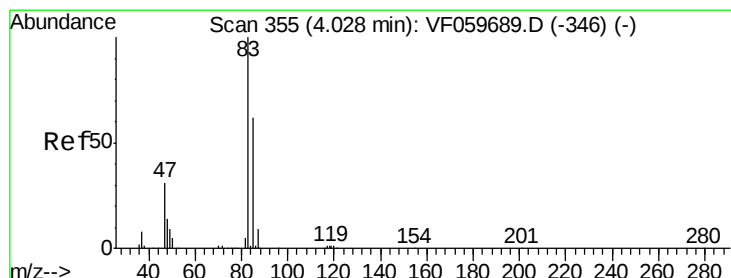
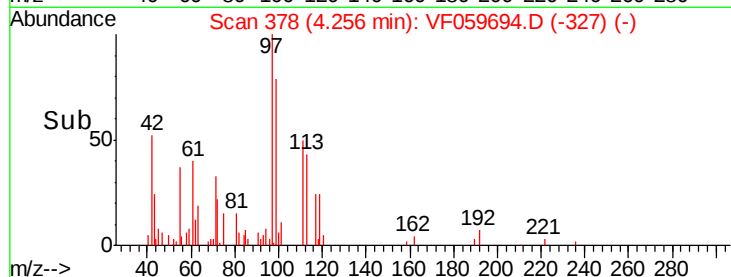
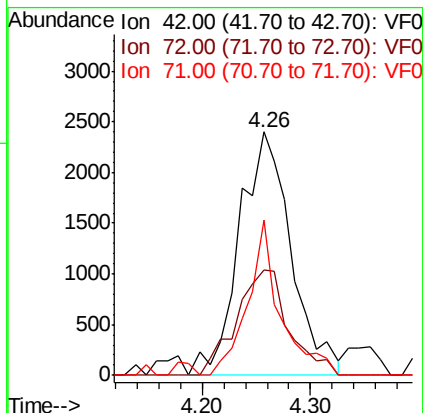
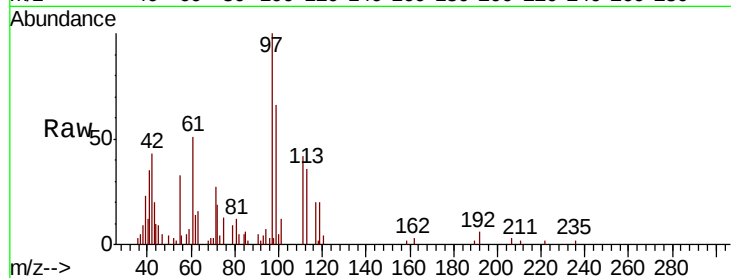
Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 8045

Ion	Ratio	Lower	Upper
42	100		
72	44.0	27.0	40.6#
71	39.9	29.7	44.5



#30

Chloroform

Concen: 5.966 ug/l

RT: 4.03 min Scan# 355

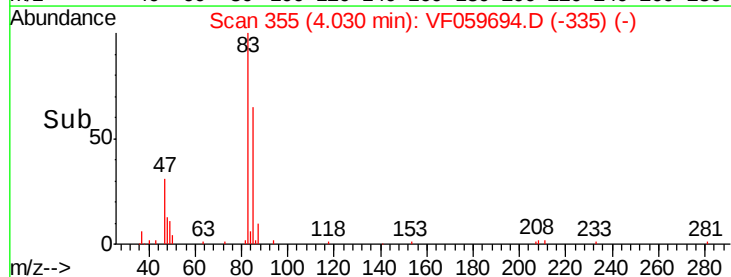
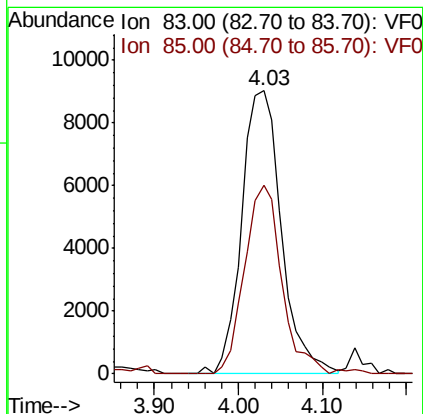
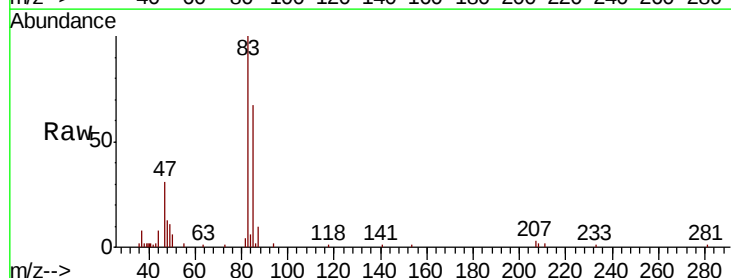
Delta R.T. 0.00 min

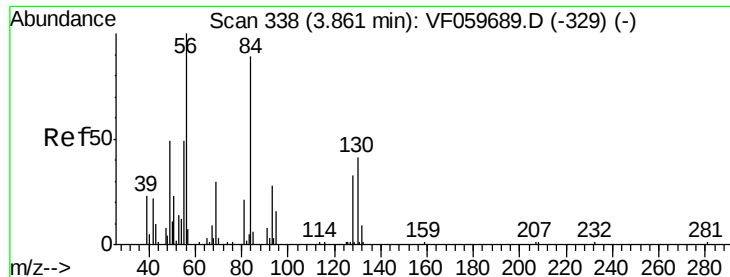
Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion: 83 Resp: 29847

Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.4	74.0

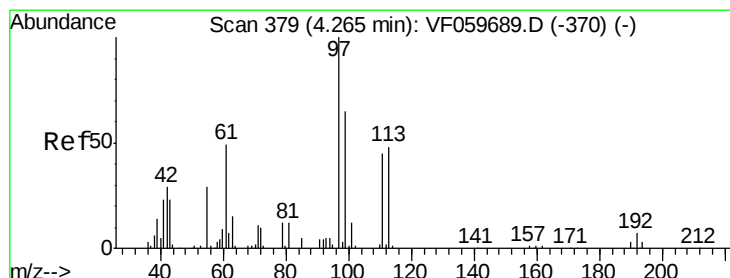
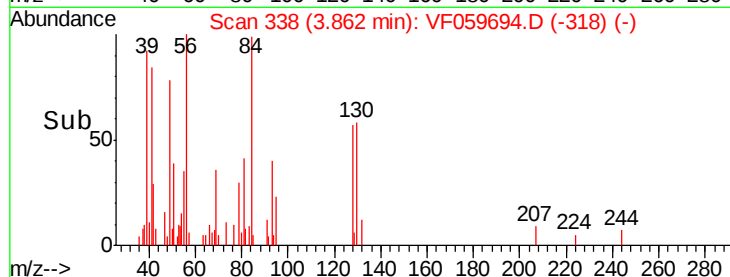
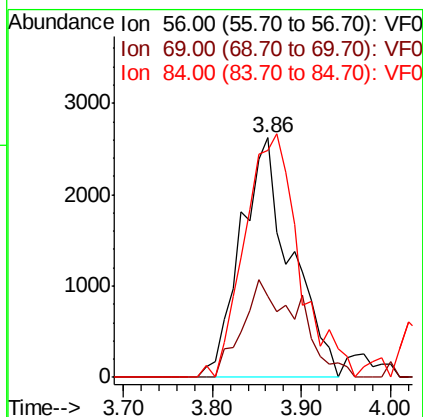
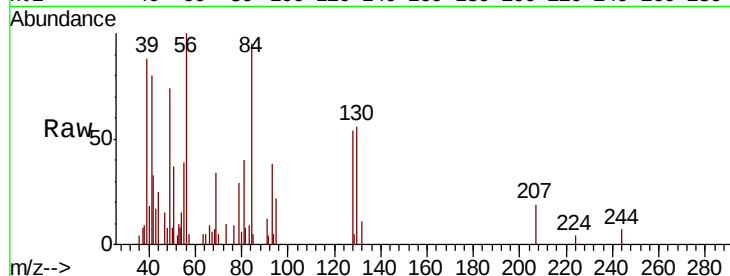




#31
Cyclohexane
Concen: 5.056 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

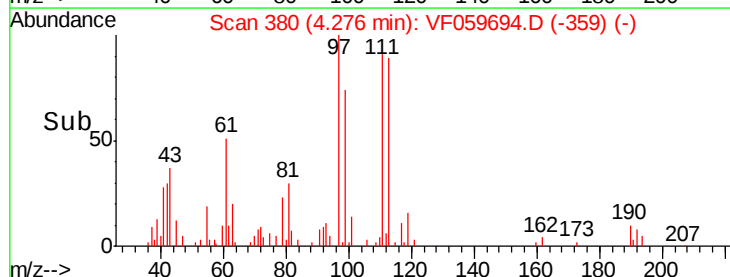
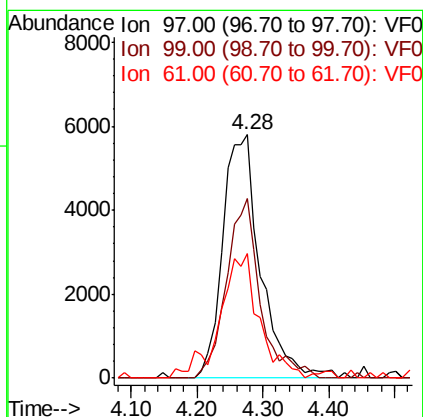
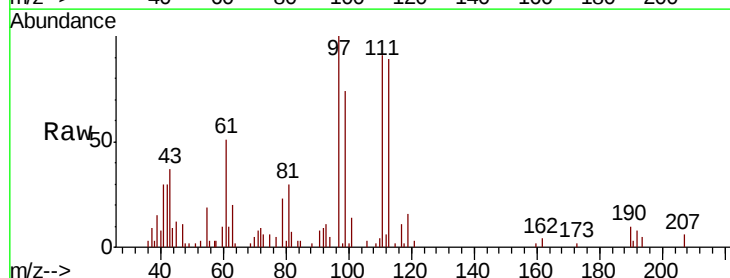
Instrument :
MSVOA_F
ClientSampleId :

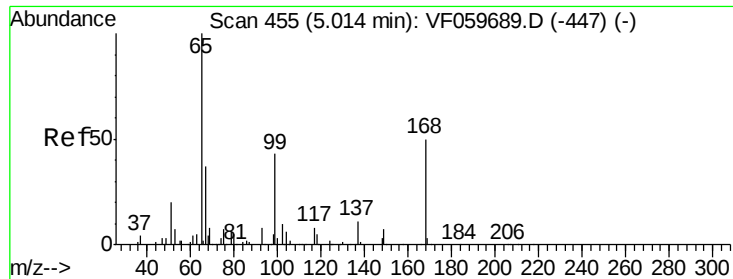
Tot Ion: 56 Resp: 10289
Ion Ratio Lower Upper
56 100
69 34.0 23.7 35.5
84 94.5 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 5.648 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 97 Resp: 23178
Ion Ratio Lower Upper
97 100
99 73.7 52.4 78.6
61 51.3 39.7 59.5

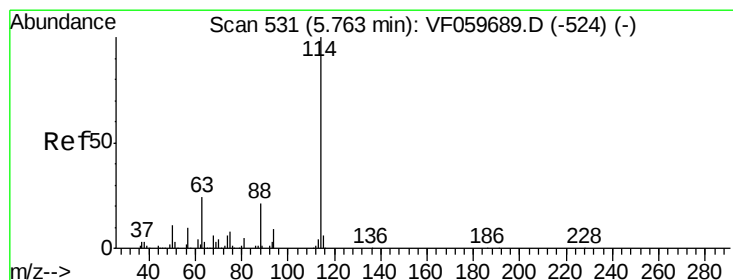
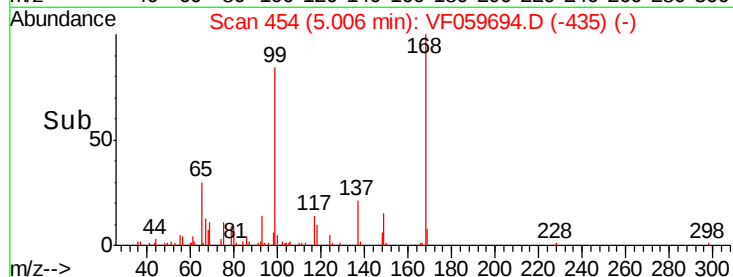
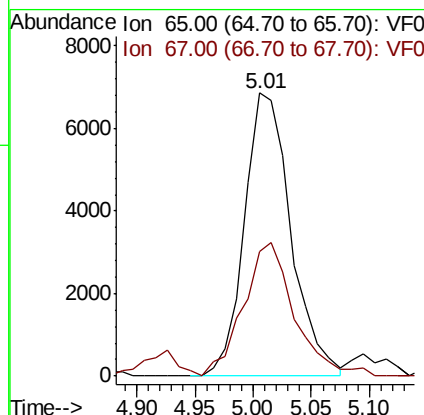
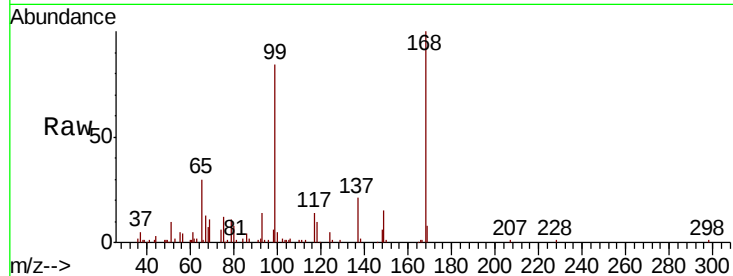




#33
 1,2-Dichloroethane-d4
 Concen: 5.805 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

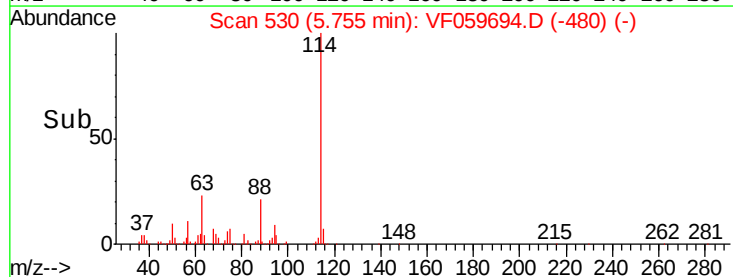
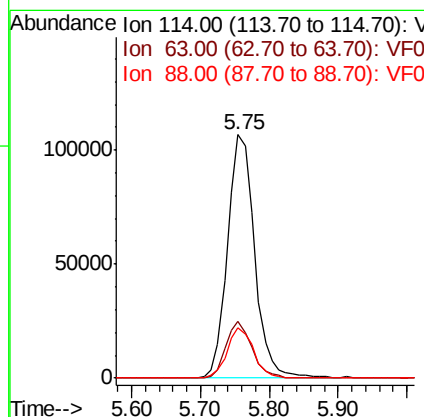
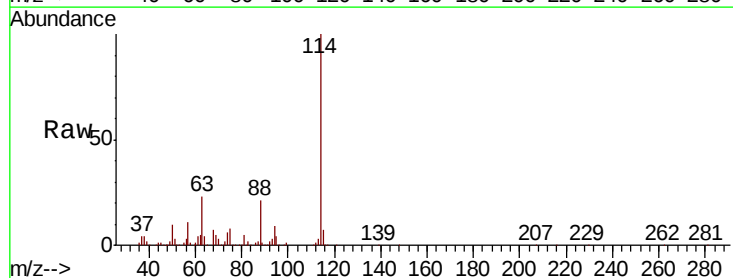
Instrument :
 MSVOA_F
 ClientSampleId :

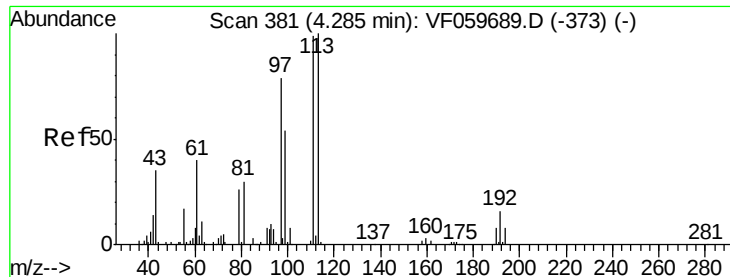
Tot Ion: 65 Resp: 18992
 Ion Ratio Lower Upper
 65 100
 67 43.8 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion: 114 Resp: 291390
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.4
 88 20.6 0.0 41.2





#35

Dibromofluoromethane

Concen: 5.752 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

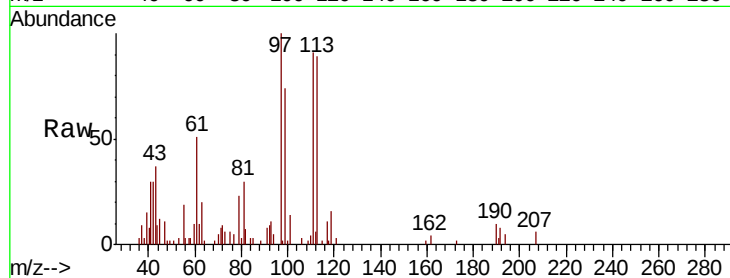
Tot Ion:113 Resp: 16041

Ion Ratio Lower Upper

113 100

111 102.2 79.0 118.4

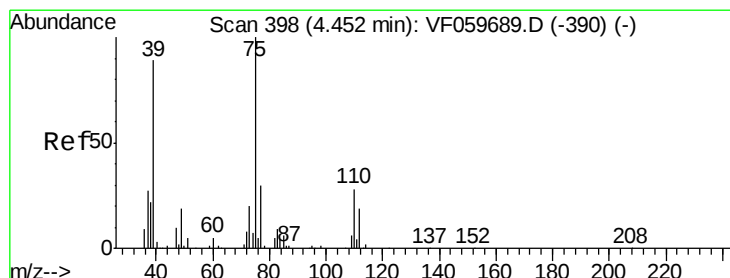
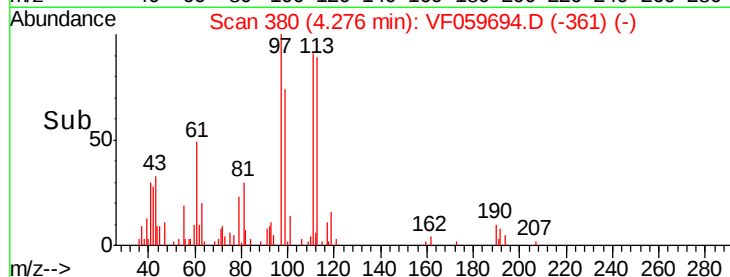
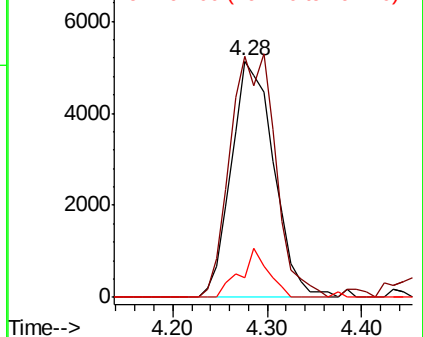
192 8.5 13.2 19.8#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 6.377 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

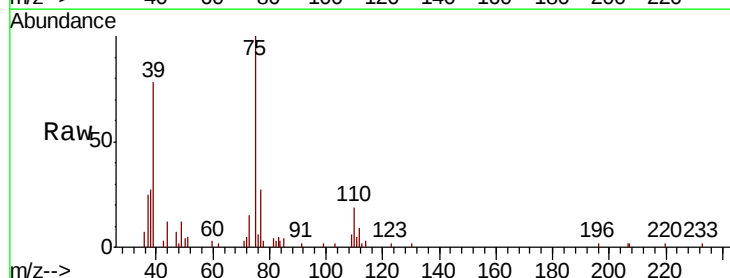
Tgt Ion: 75 Resp: 20156

Ion Ratio Lower Upper

75 100

110 23.9 14.0 41.9

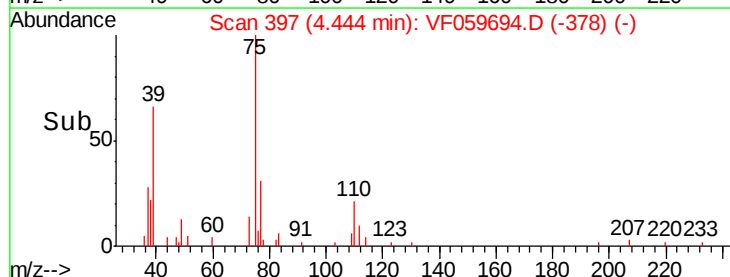
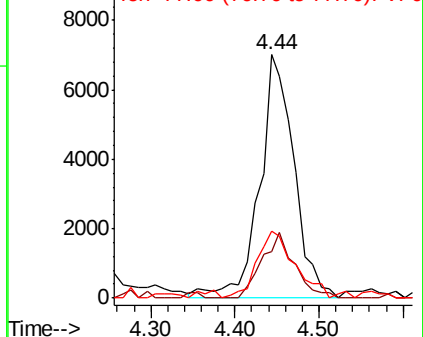
77 27.5 24.2 36.2

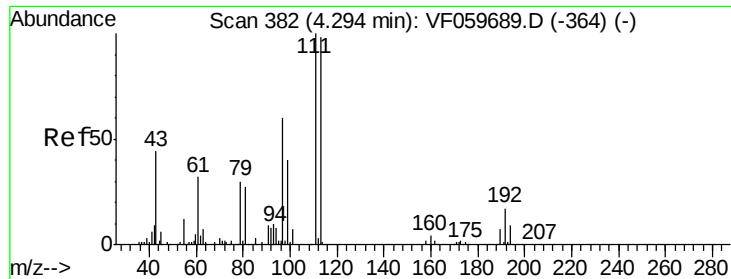


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

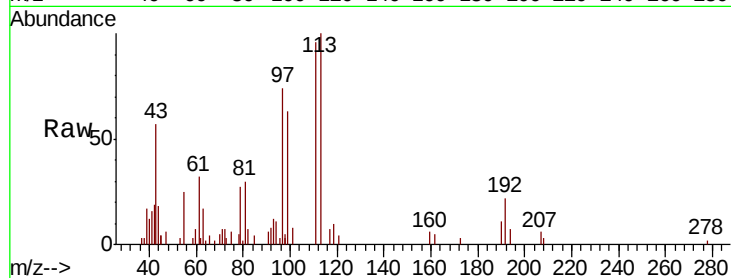




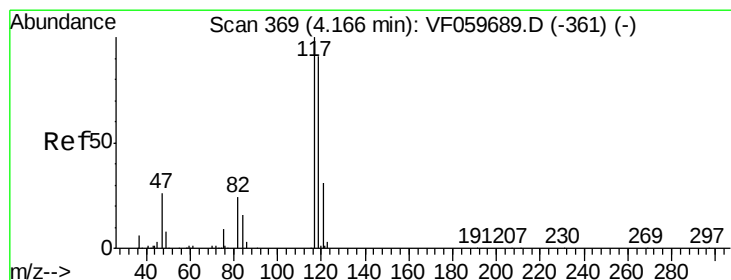
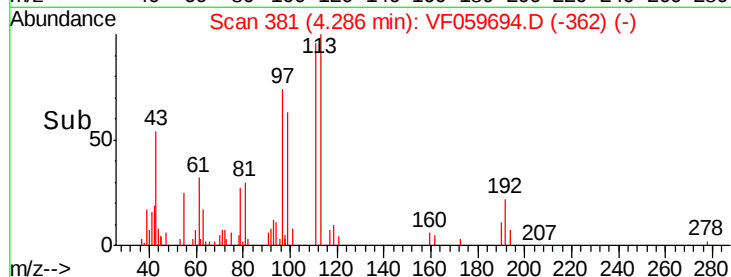
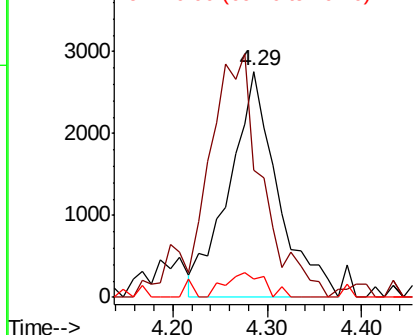
#37
Ethyl Acetate
Concen: 7.128 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 9827
Ion Ratio Lower Upper
43 100
61 56.1 58.2 87.2#
70 8.1 6.0 9.0

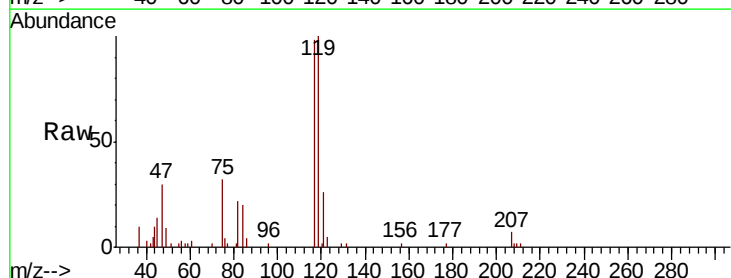


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

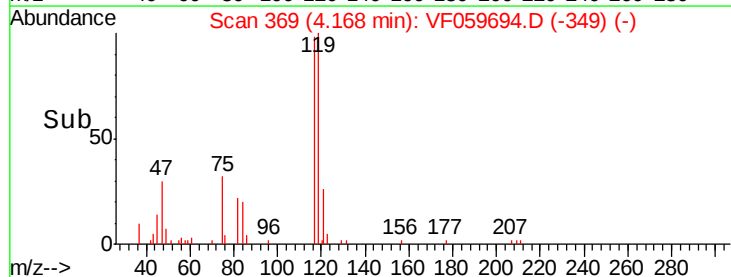
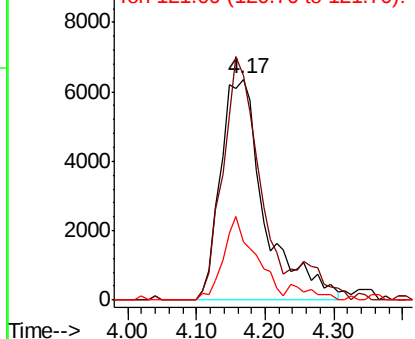


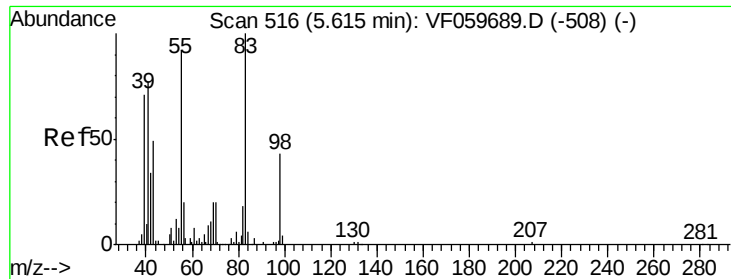
#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 117 Resp: 28367
Ion Ratio Lower Upper
117 100
119 101.6 72.9 109.3
121 26.2 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

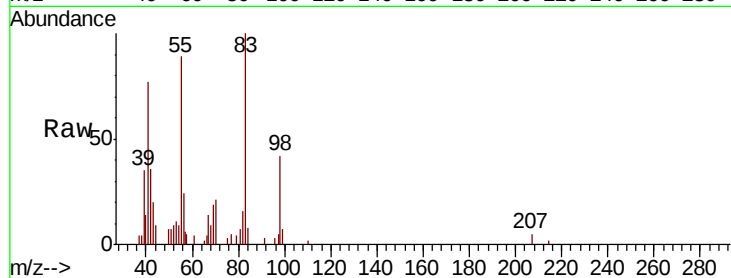




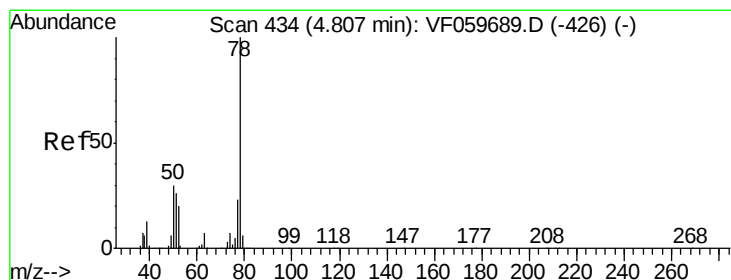
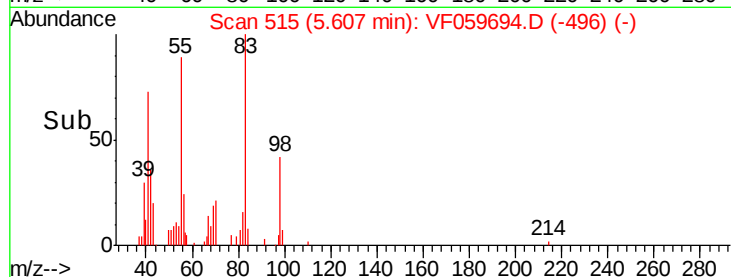
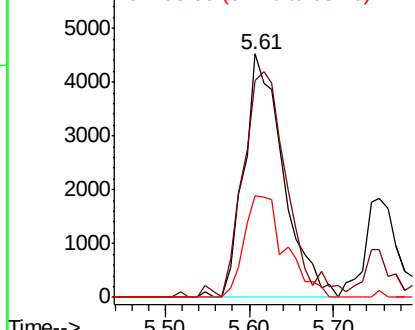
#39
Methvlcvclohexane
Concen: 5.742 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 14769
Ion Ratio Lower Upper
83 100
55 88.9 73.4 110.2
98 41.6 34.2 51.4

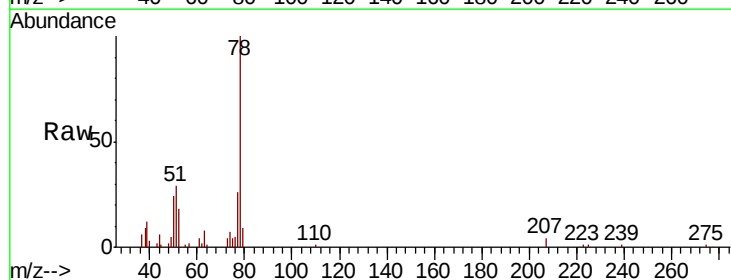


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

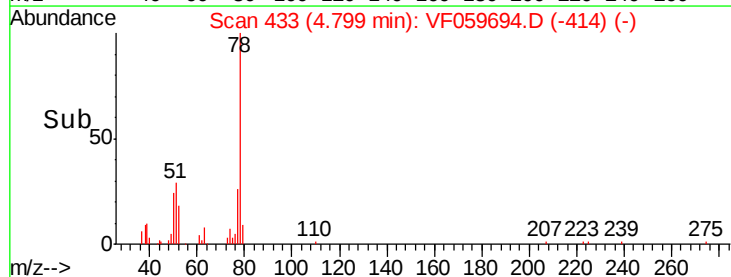
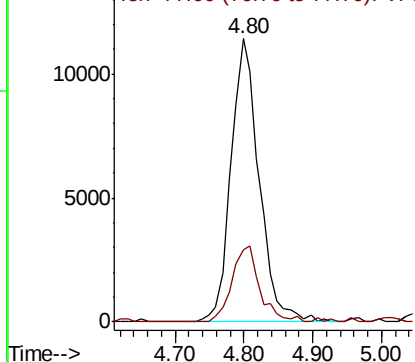


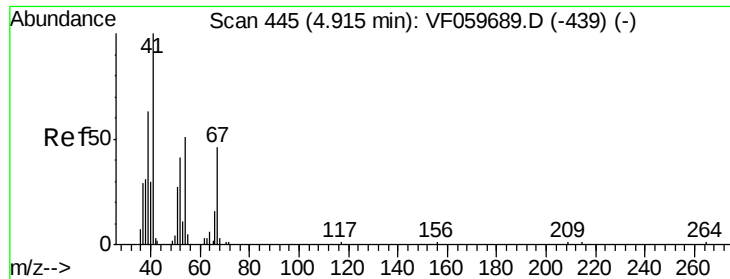
#40
Benzene
Concen: 5.744 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 78 Resp: 32246
Ion Ratio Lower Upper
78 100
77 25.6 18.9 28.3



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

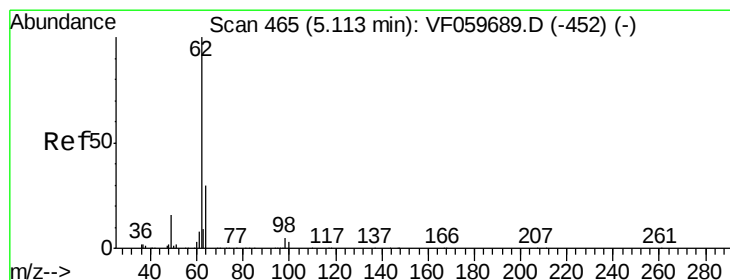
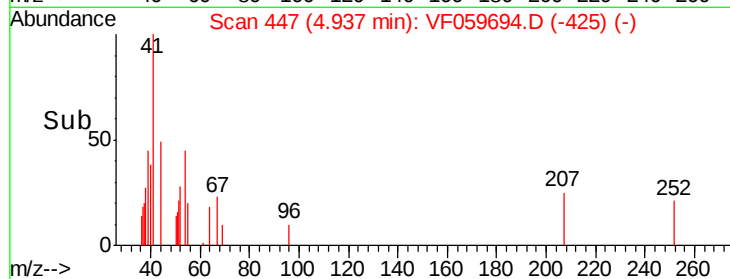
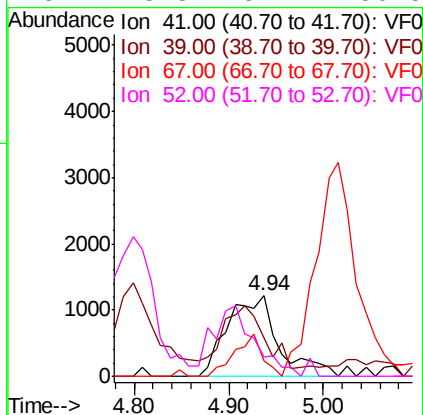
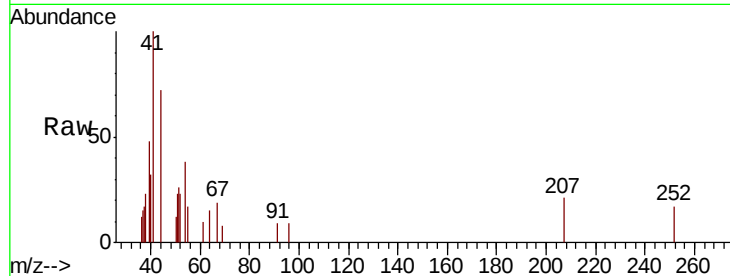




#41
Methacrylonitrile
Concen: 6.708 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

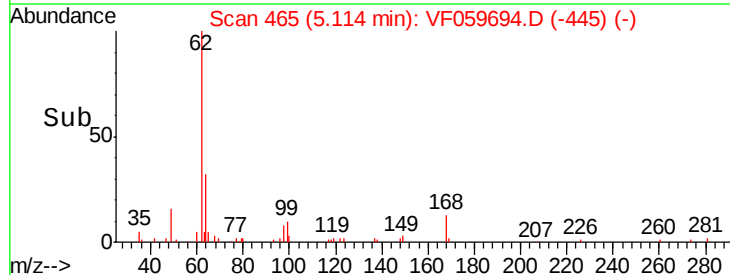
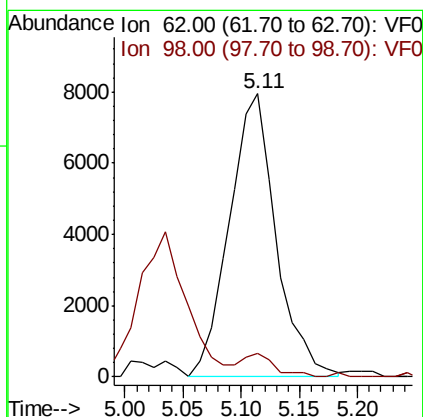
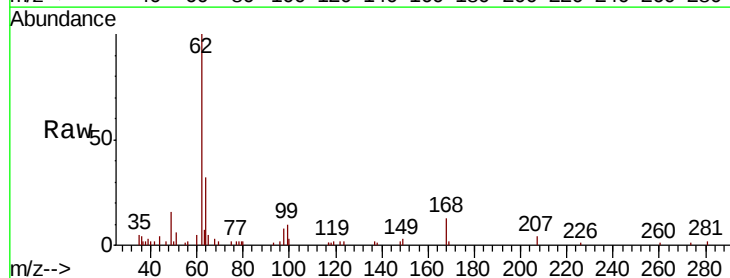
Instrument :
MSVOA_F
ClientSampled :

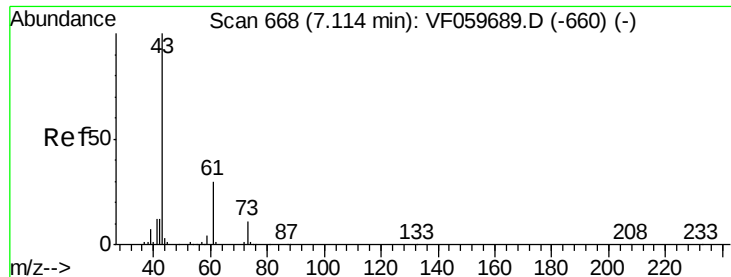
Tot Ion: 41 Resp: 4554
Ion Ratio Lower Upper
41 100
39 47.6 55.2 82.8#
67 19.2 36.2 54.2#
52 23.3 37.7 56.5#



#42
1,2-Dichloroethane
Concen: 6.048 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 62 Resp: 22092
Ion Ratio Lower Upper
62 100
98 8.4 0.0 9.6





#43

Isopropyl Acetate

Concen: 6.558 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

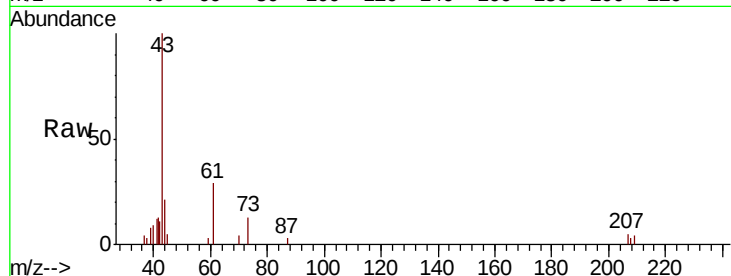
Tot Ion: 43 Resp: 9362

Ion Ratio Lower Upper

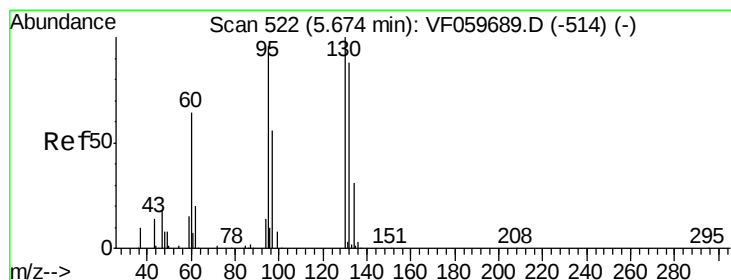
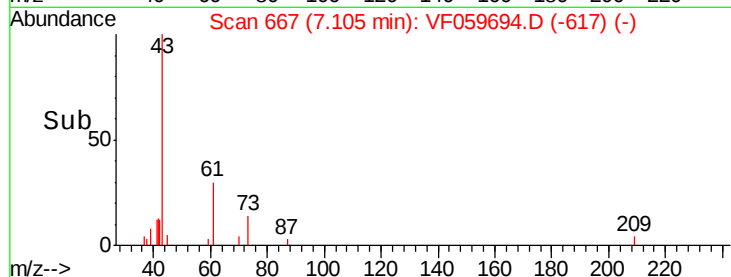
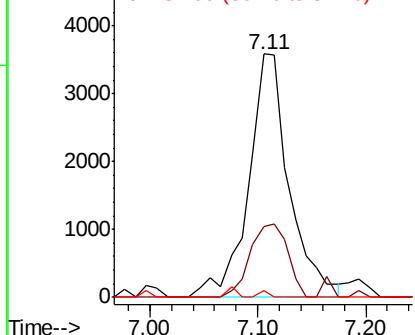
43 100

61 28.9 23.8 35.8

87 3.0 0.6 1.0#



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



#44

Trichloroethene

Concen: 6.062 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059694.D

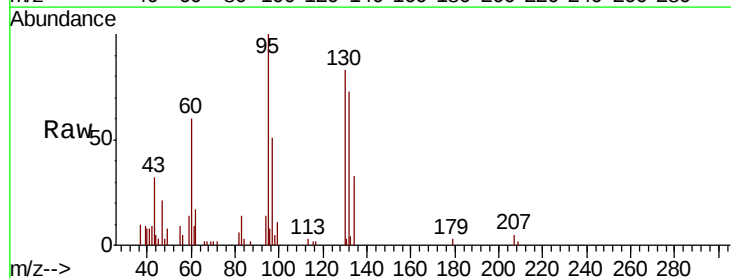
Acq: 30 Jul 2018 18:08

Tgt Ion:130 Resp: 13181

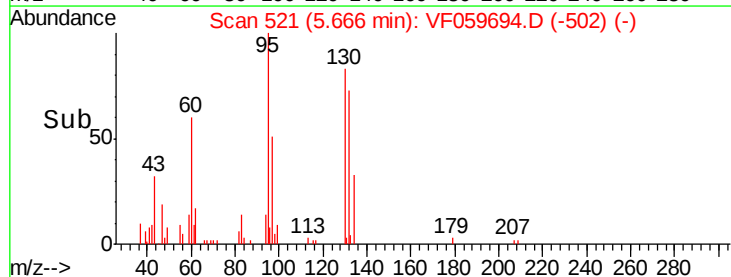
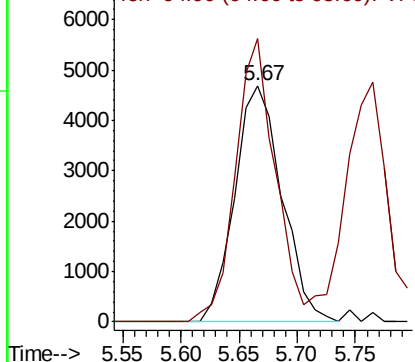
Ion Ratio Lower Upper

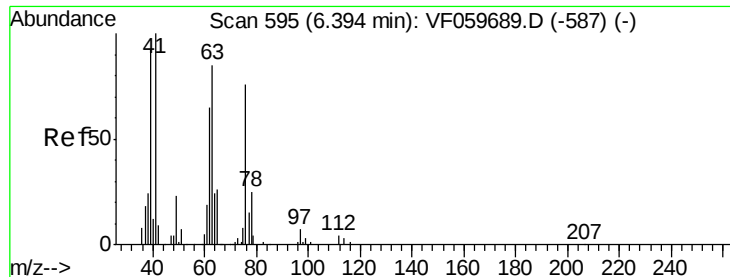
130 100

95 119.9 0.0 191.0



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





#45

1,2-Dichloropropane

Concen: 5.526 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

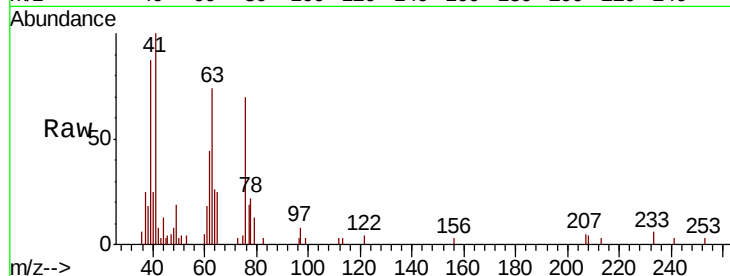
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 8244

Ion Ratio Lower Upper

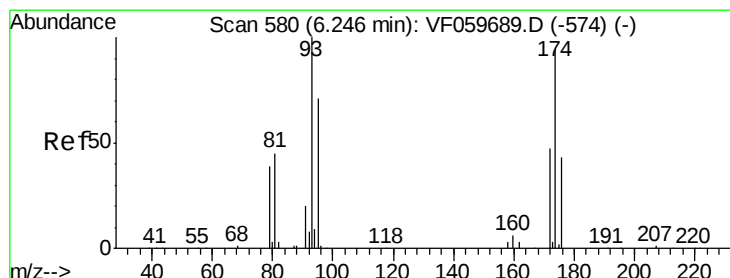
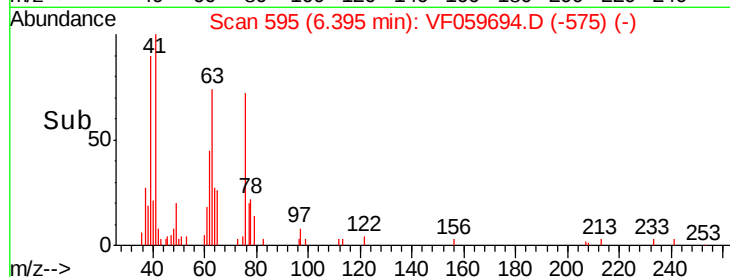
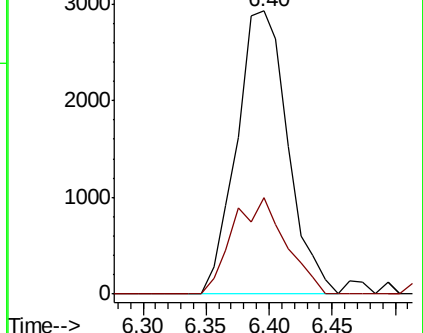
63 100

65 34.3 25.2 37.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 6.403 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

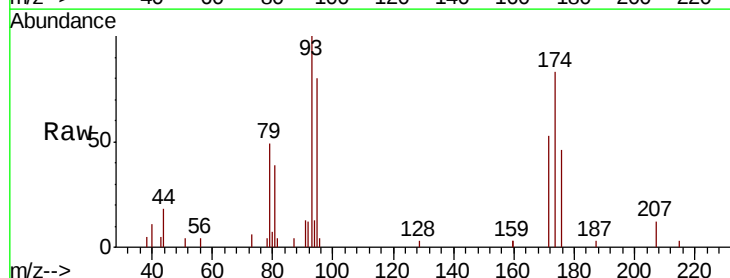
Tgt Ion: 93 Resp: 8295

Ion Ratio Lower Upper

93 100

95 83.5 57.1 85.7

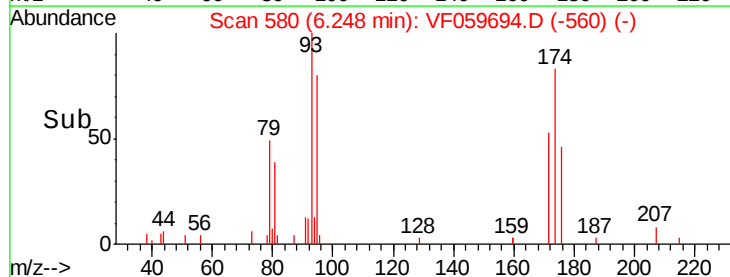
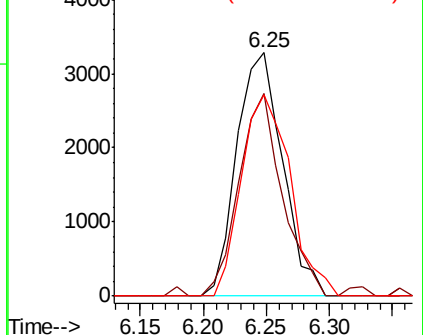
174 82.9 74.8 112.2

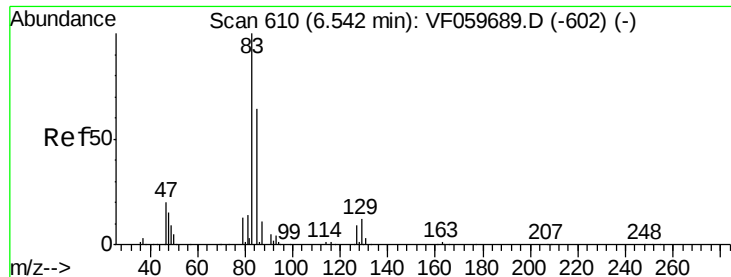


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 5.473 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

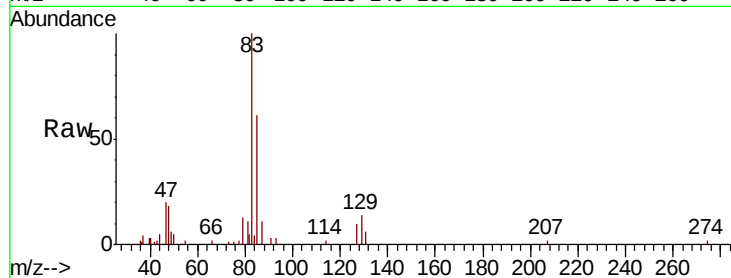
Tot Ion: 83 Resp: 20775

Ion Ratio Lower Upper

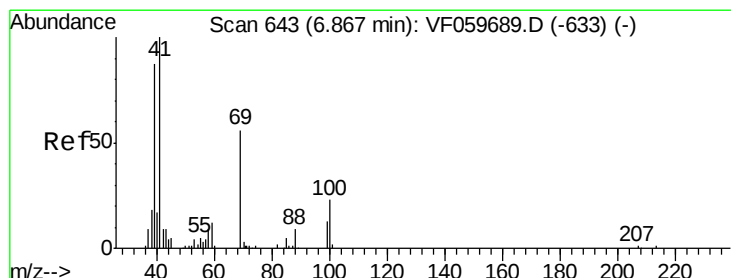
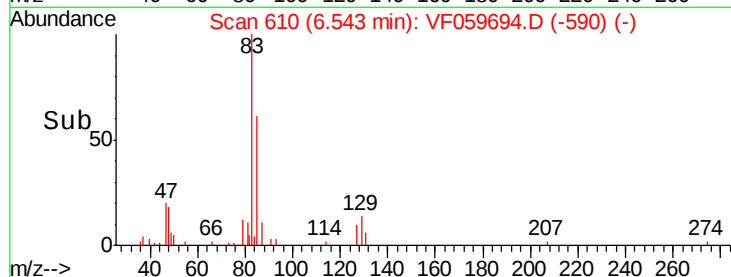
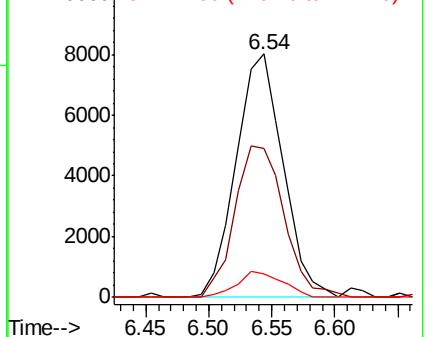
83 100

85 61.1 51.0 76.6

127 9.6 7.3 10.9



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



#48

Methyl methacrylate

Concen: 6.042 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

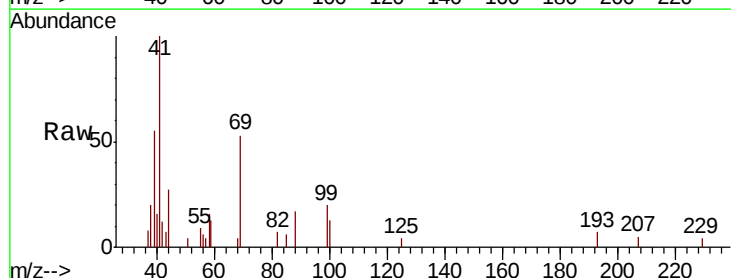
Tgt Ion: 41 Resp: 6769

Ion Ratio Lower Upper

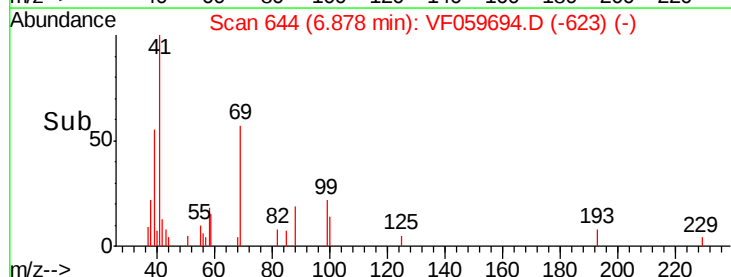
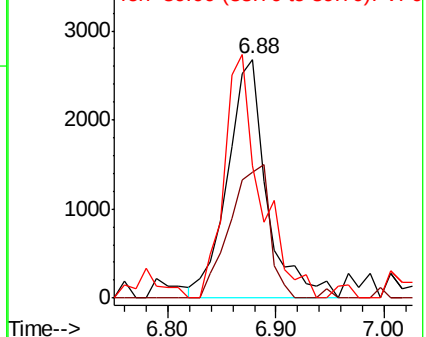
41 100

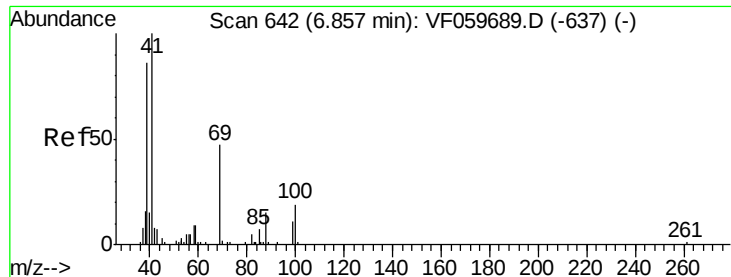
69 52.6 44.4 66.6

39 55.3 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: 115.310 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

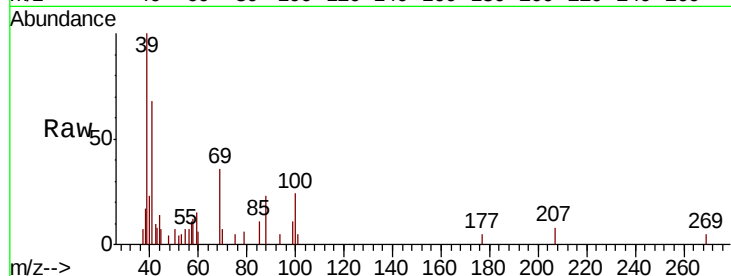
Tot Ion: 88 Resp: 1031

Ion Ratio Lower Upper

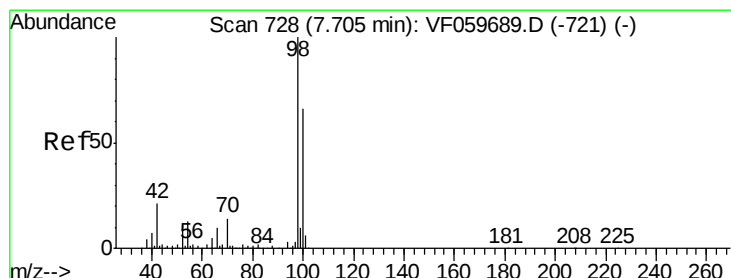
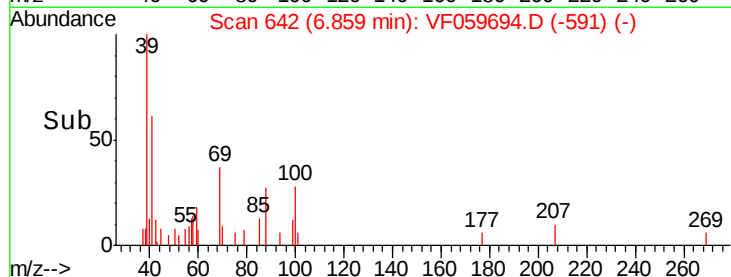
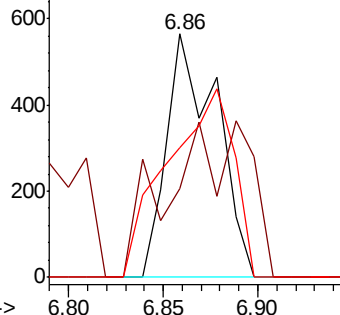
88 100

43 36.6 45.2 67.8#

58 53.5 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: 5.500 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059694.D

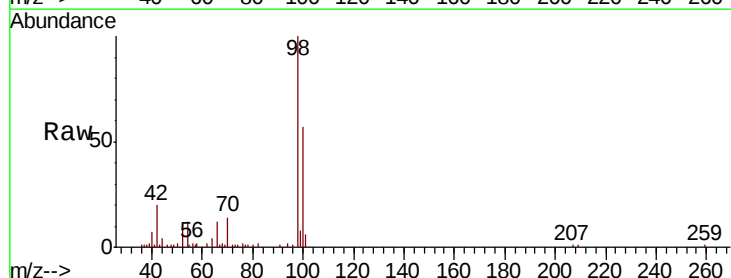
Acq: 30 Jul 2018 18:08

Tgt Ion: 98 Resp: 37088

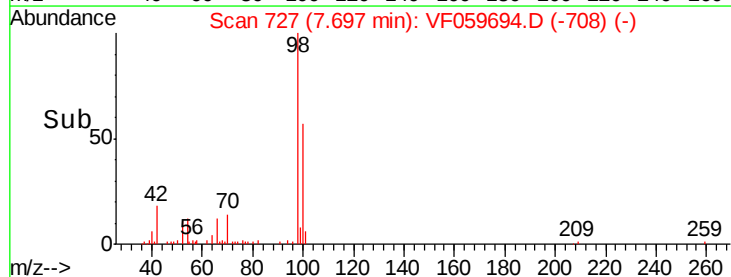
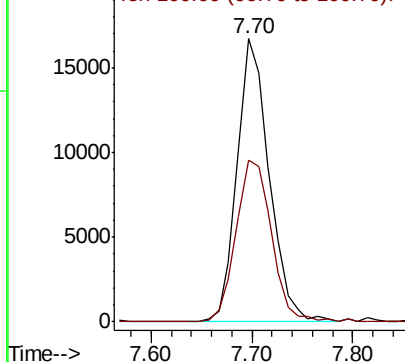
Ion Ratio Lower Upper

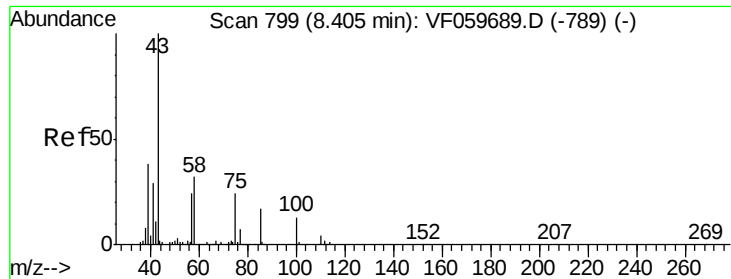
98 100

100 57.2 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: 29.329 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

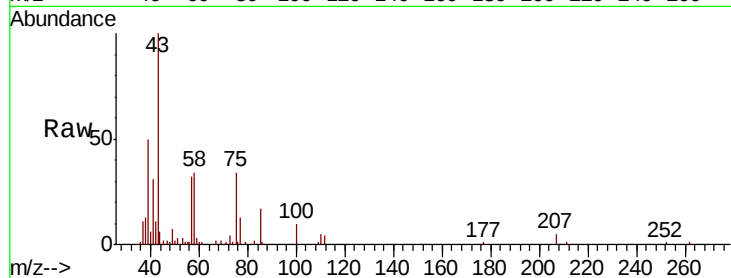
ClientSampleId :

Tot Ion: 43 Resp: 33693

Ion Ratio Lower Upper

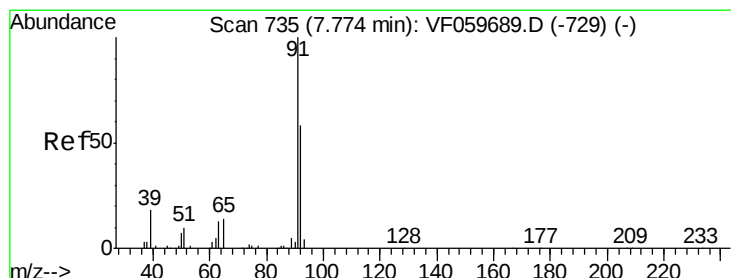
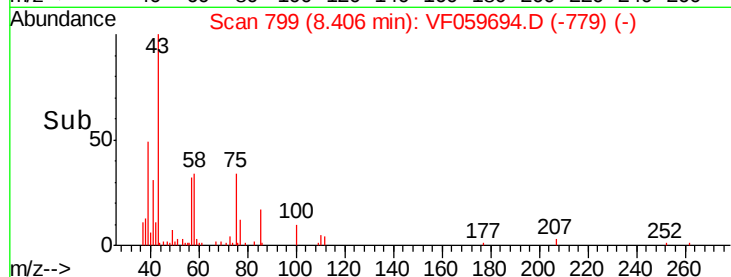
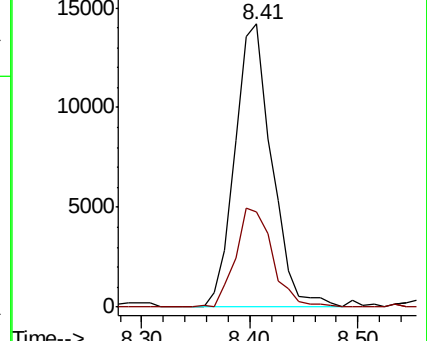
43 100

58 33.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 6.253 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059694.D

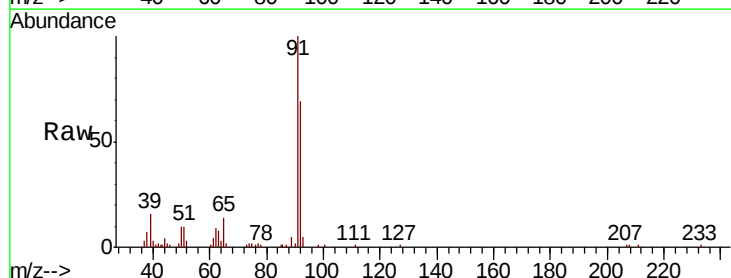
Acq: 30 Jul 2018 18:08

Tgt Ion: 92 Resp: 26075

Ion Ratio Lower Upper

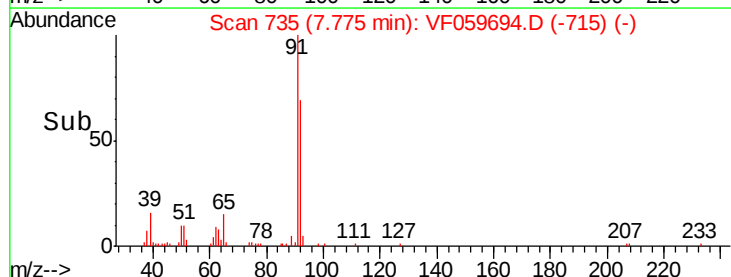
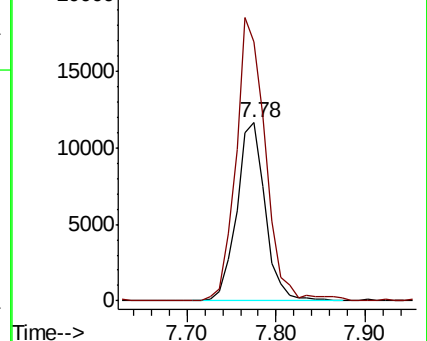
92 100

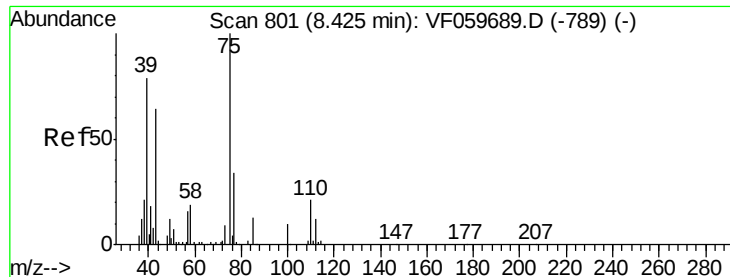
91 145.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 6.179 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

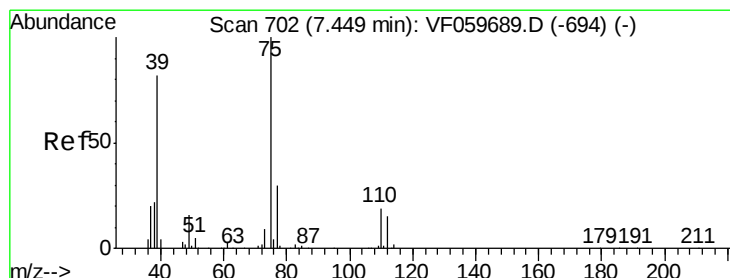
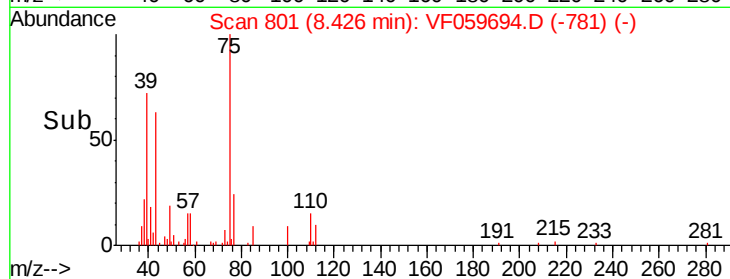
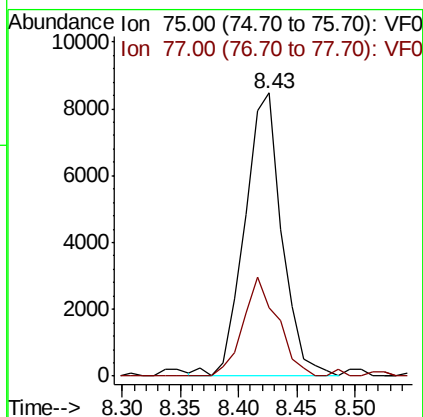
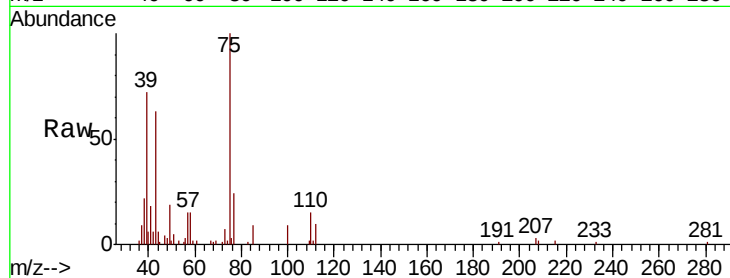
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 18758

Ion Ratio Lower Upper

75 100

77 24.0 27.0 40.4#



#54

cis-1,3-Dichloropropene

Concen: 5.625 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

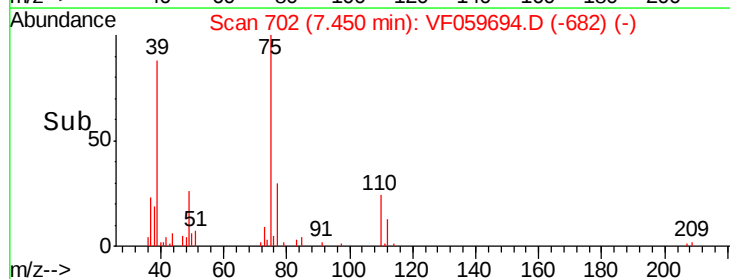
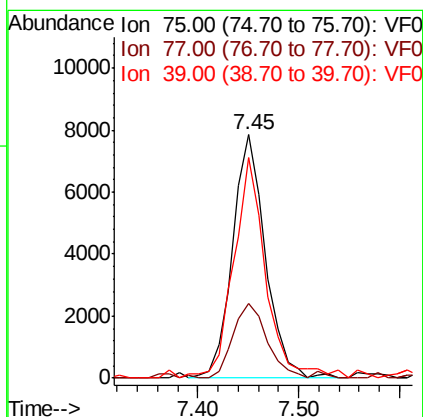
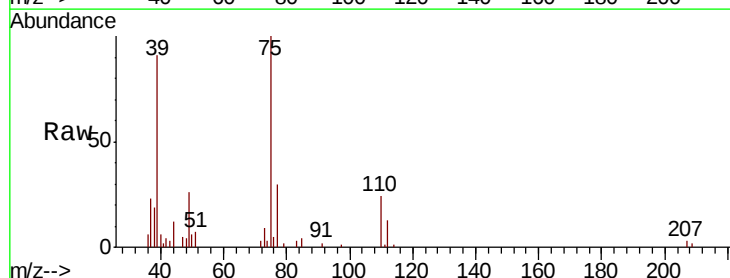
Tgt Ion: 75 Resp: 17719

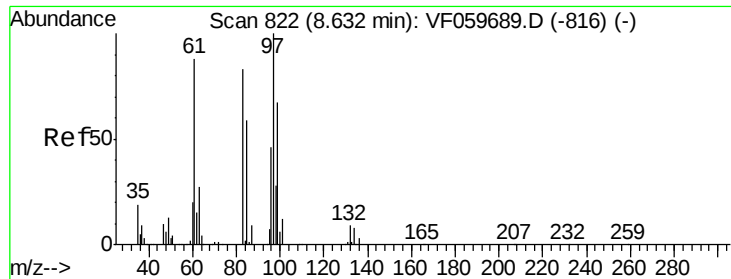
Ion Ratio Lower Upper

75 100

77 30.5 24.0 36.0

39 90.6 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 6.052 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 8382

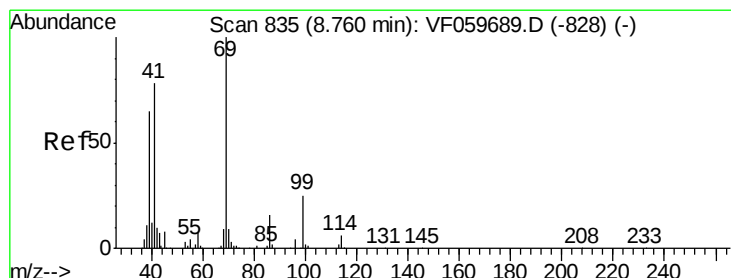
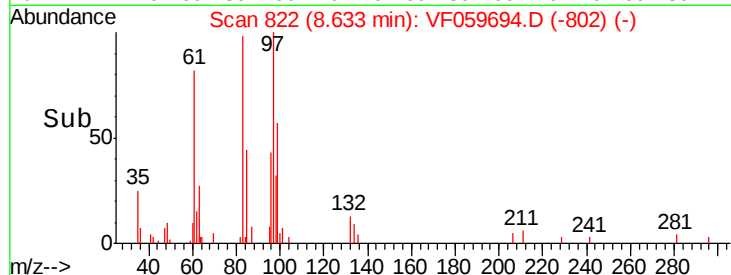
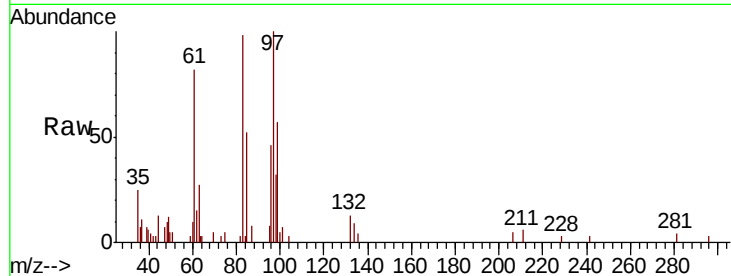
Ion	Ratio	Lower	Upper
97	100		
83	98.1	66.6	100.0
85	52.2	47.4	71.0
99	57.1	53.2	79.8

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 5.267 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

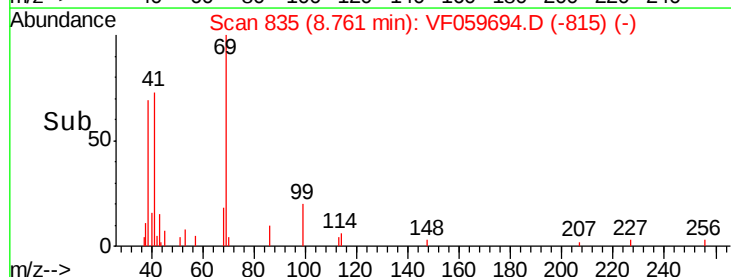
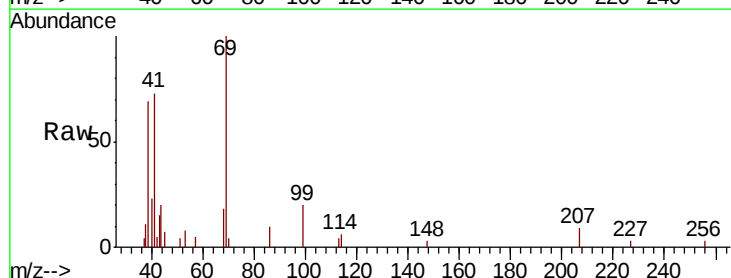
Tgt Ion: 69 Resp: 7733

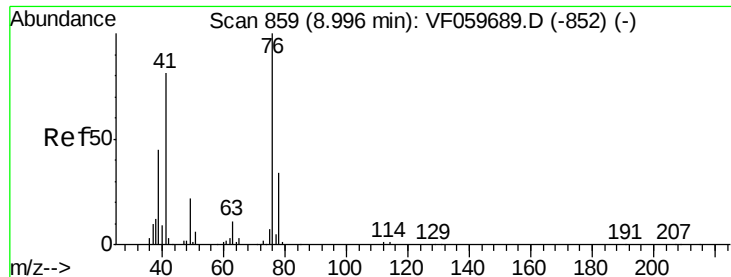
Ion	Ratio	Lower	Upper
69	100		
41	73.4	62.3	93.5
39	68.8	52.4	78.6

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 5.974 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

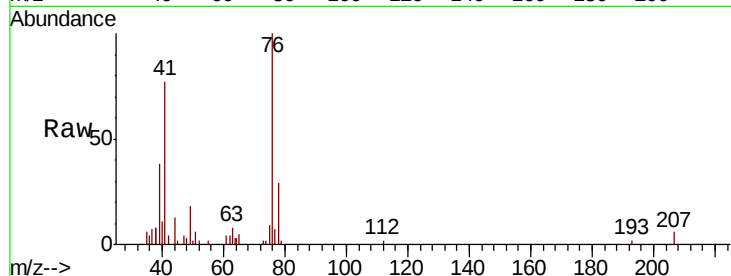
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 14306

Ion Ratio Lower Upper

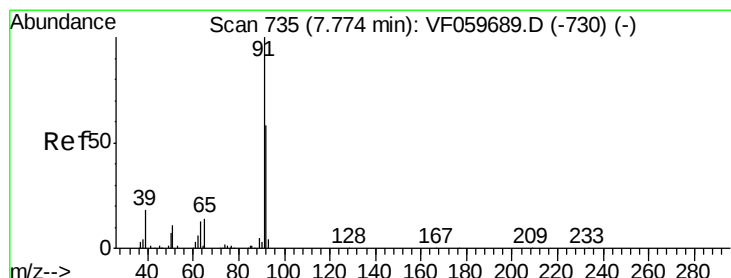
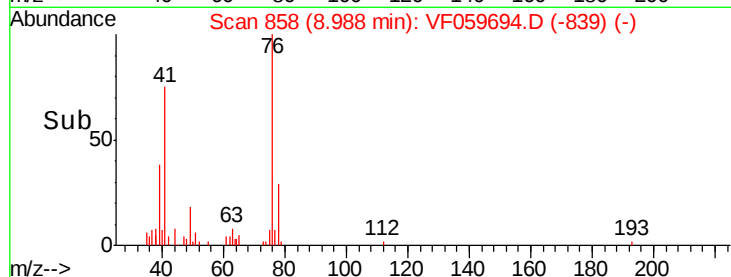
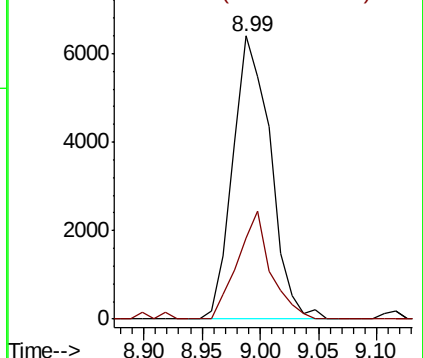
76 100

78 28.5 27.2 40.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 29.424 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059694.D

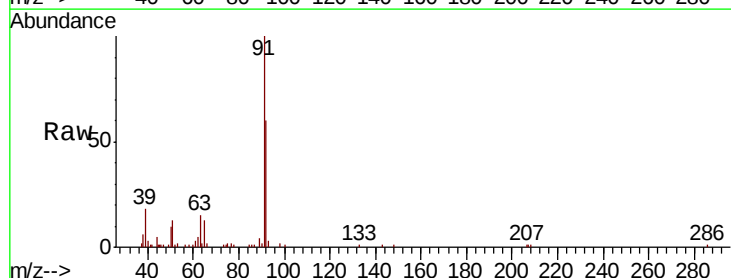
Acq: 30 Jul 2018 18:08

Tgt Ion: 63 Resp: 5216

Ion Ratio Lower Upper

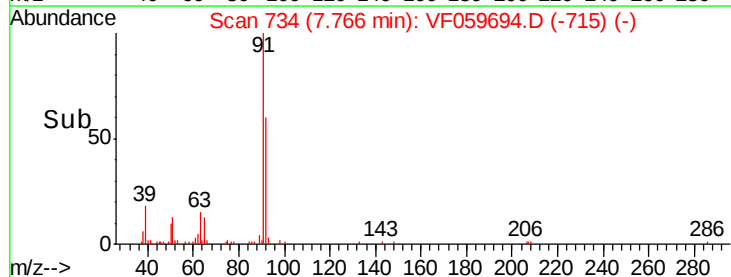
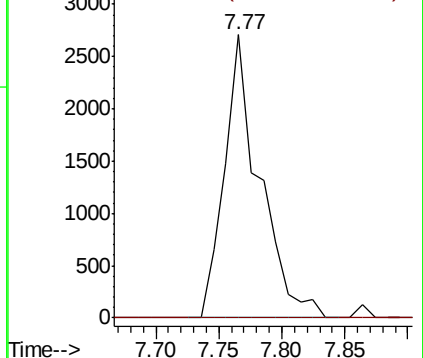
63 100

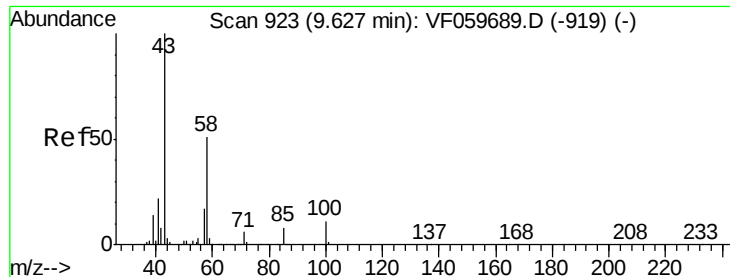
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

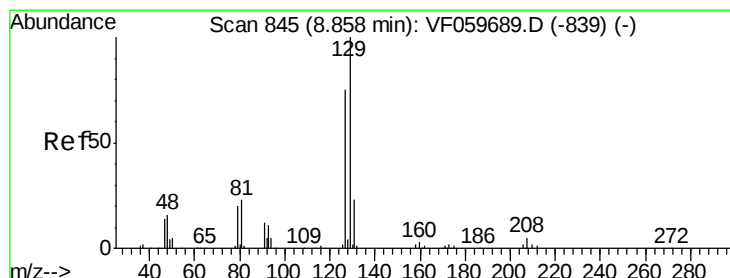
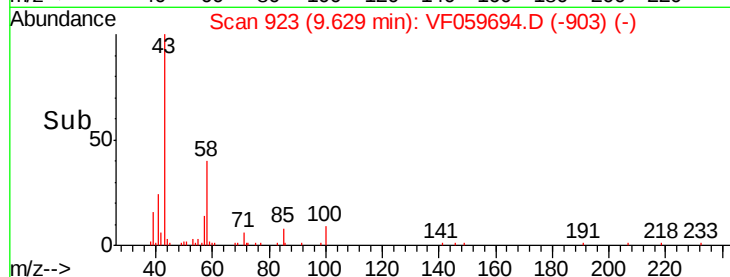
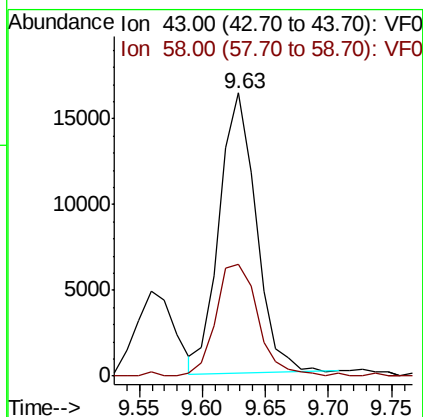
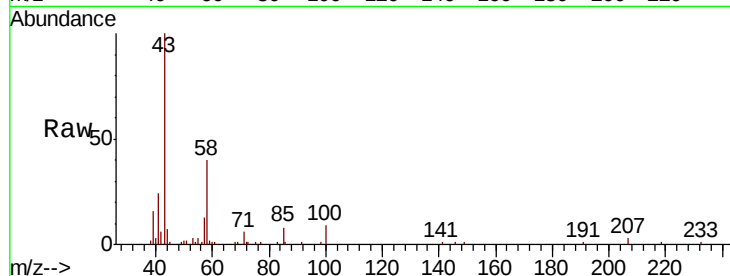




#59
2-Hexanone
Concen: 38.676 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

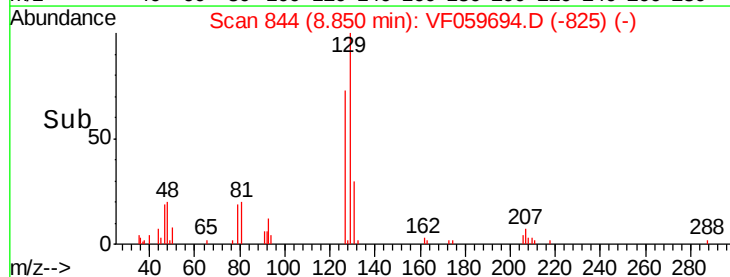
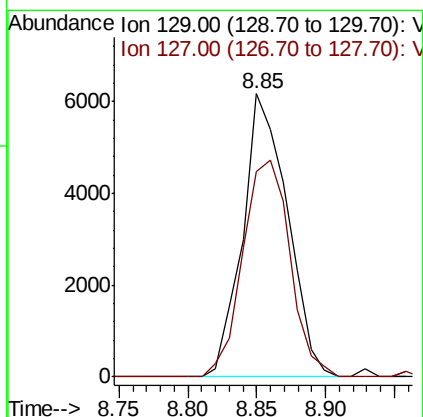
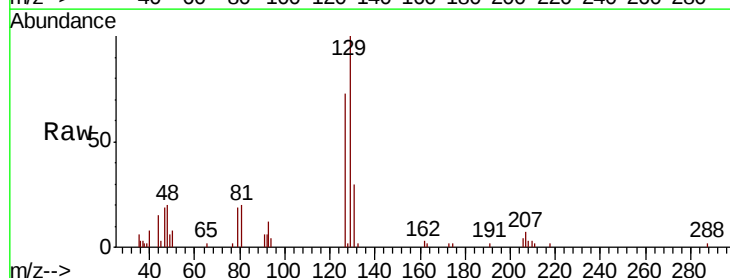
Instrument :
MSVOA_F
ClientSampleId :

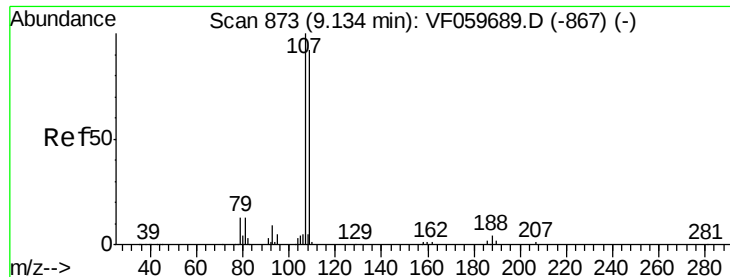
Tot Ion: 43 Resp: 32958
Ion Ratio Lower Upper
43 100
58 39.5 23.3 69.8



#60
Dibromochloromethane
Concen: 5.595 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion:129 Resp: 13979
Ion Ratio Lower Upper
129 100
127 74.4 37.7 113.1

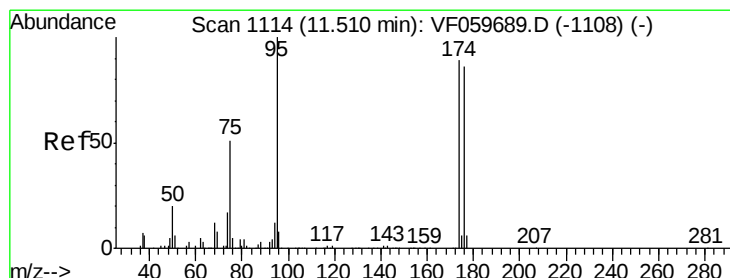
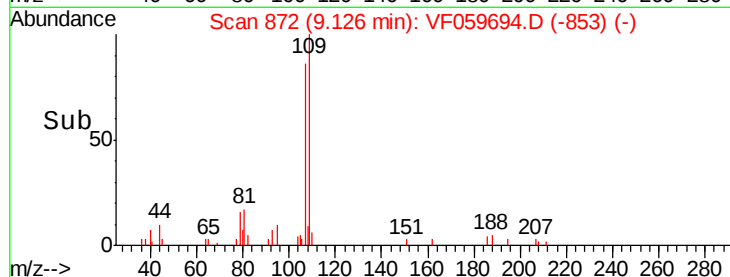
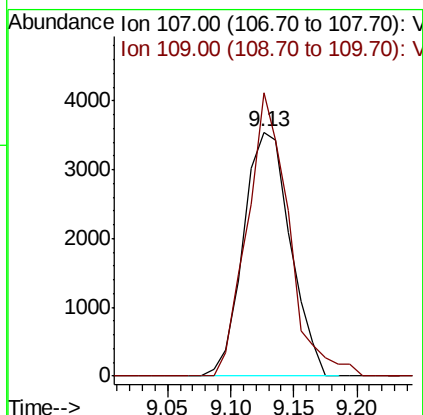
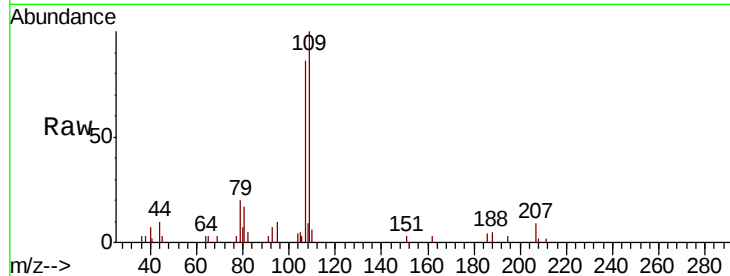




#61
 1,2-Dibromoethane
 Concen: 5.487 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

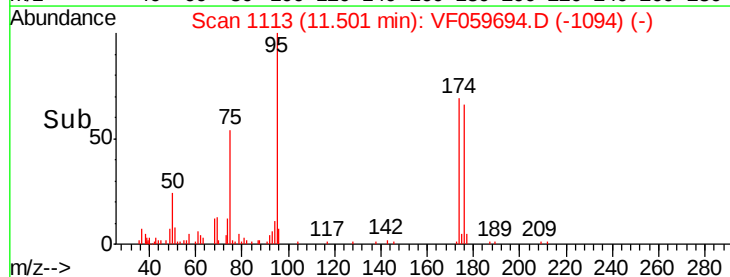
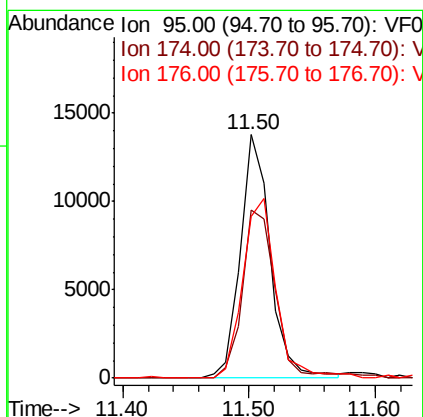
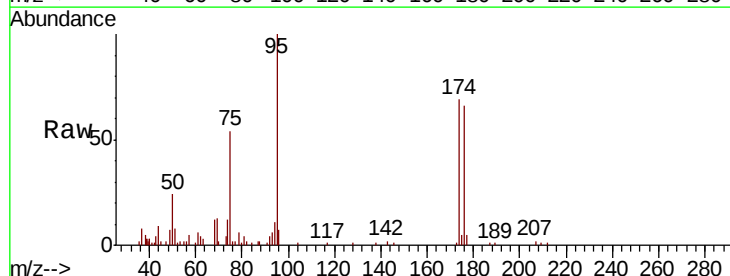
Instrument :
 MSVOA_F
 ClientSampleId :

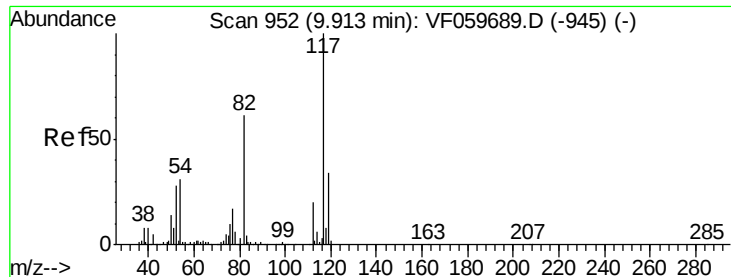
Tot Ion: 107 Resp: 9189
 Ion Ratio Lower Upper
 107 100
 109 116.0 73.6 110.4#



#62
 4-Bromofluorobenzene
 Concen: 6.209 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion: 95 Resp: 22654
 Ion Ratio Lower Upper
 95 100
 174 68.8 0.0 178.4
 176 66.3 0.0 173.0

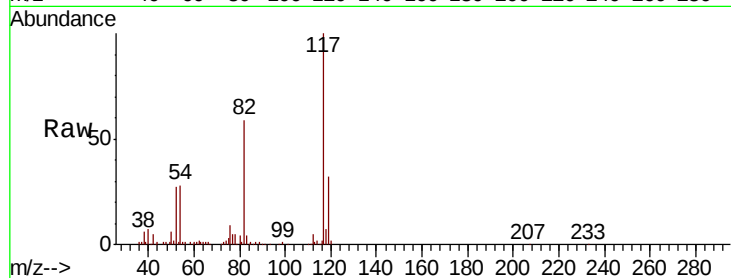




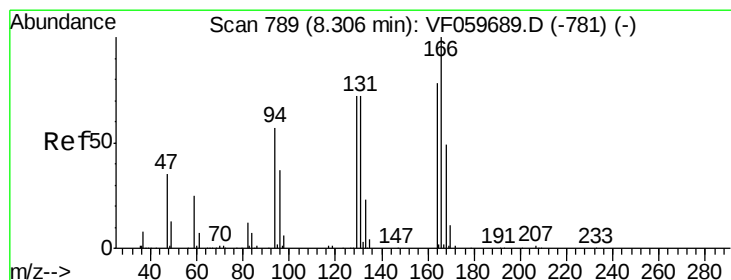
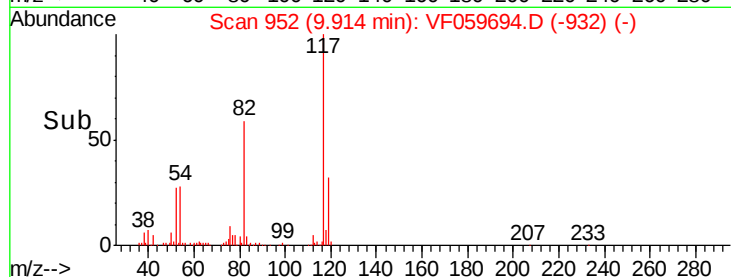
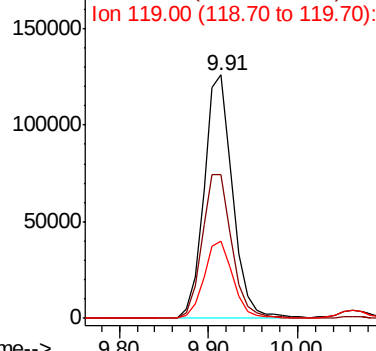
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 281614
Ion Ratio Lower Upper
117 100
82 58.8 49.0 73.4
119 31.5 27.3 40.9

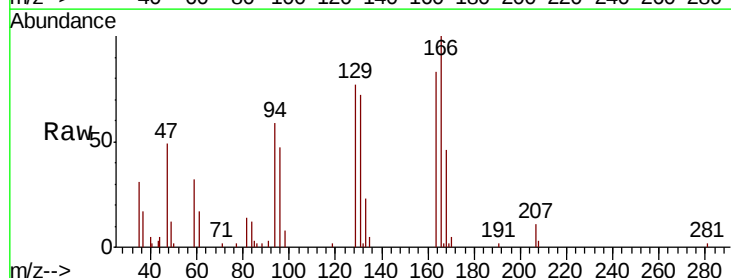


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

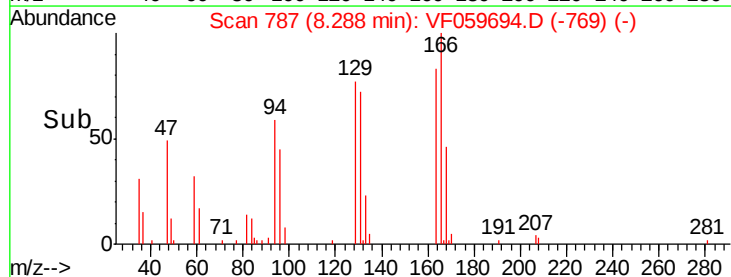
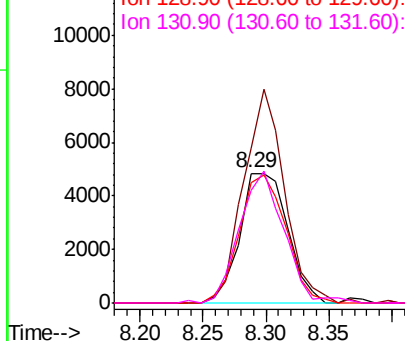


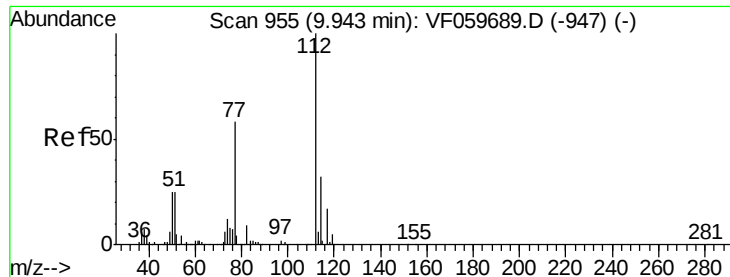
#64
Tetrachloroethene
Concen: 5.723 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion:164 Resp: 12843
Ion Ratio Lower Upper
164 100
166 119.8 102.1 153.1
129 92.5 73.8 110.6
131 86.7 73.1 109.7



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

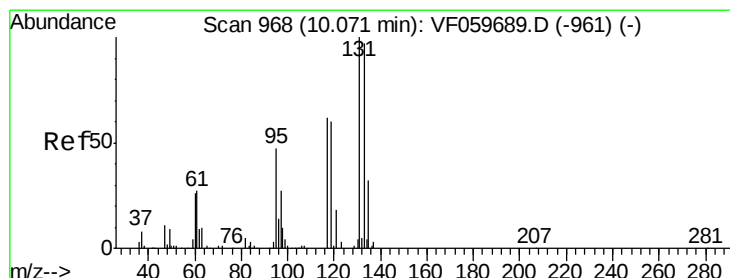
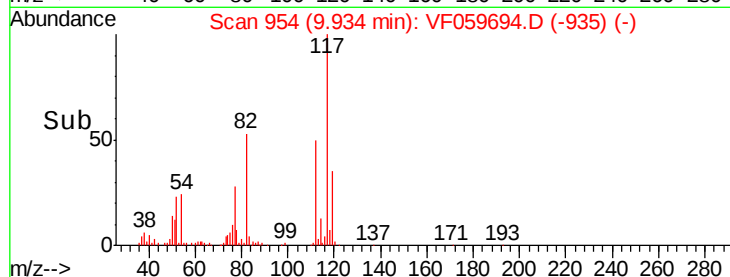
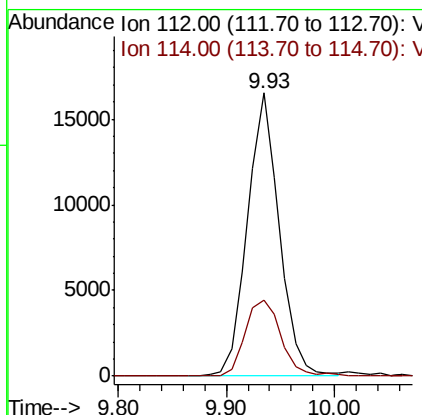
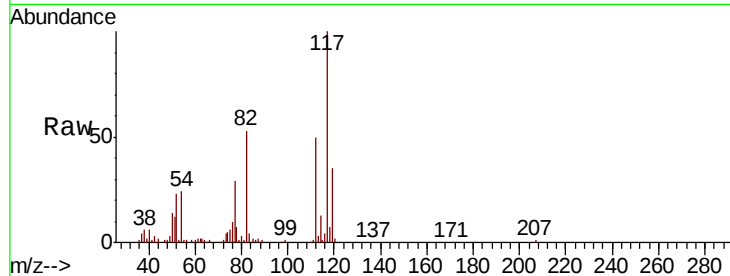




#65
Chlorobenzene
Concen: 6.167 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

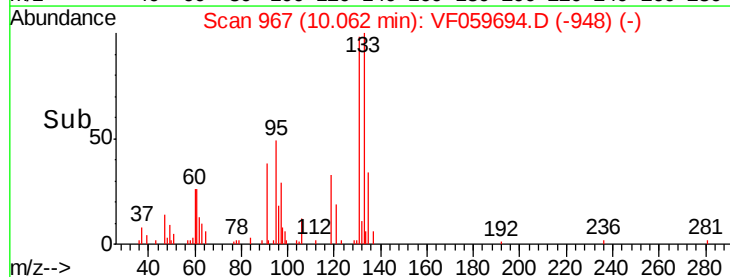
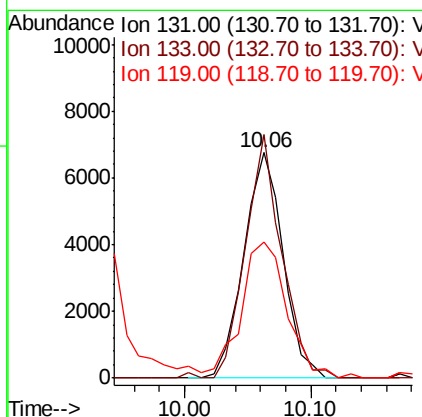
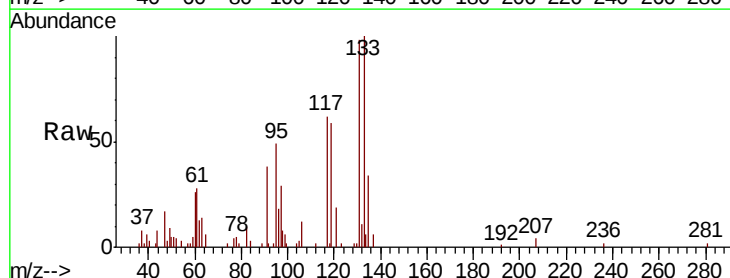
Instrument :
MSVOA_F
ClientSampled :

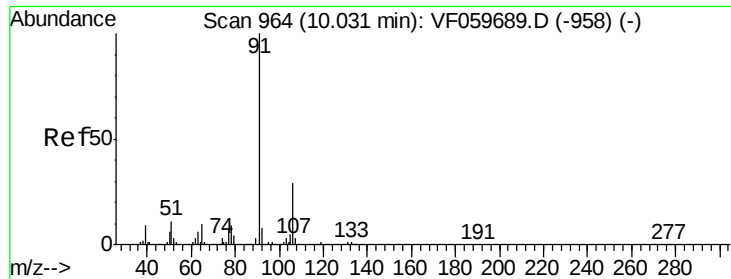
Tot Ion:112 Resp: 33744
Ion Ratio Lower Upper
112 100
114 26.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 5.800 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion:131 Resp: 14607
Ion Ratio Lower Upper
131 100
133 108.0 48.5 145.5
119 60.3 30.3 90.8

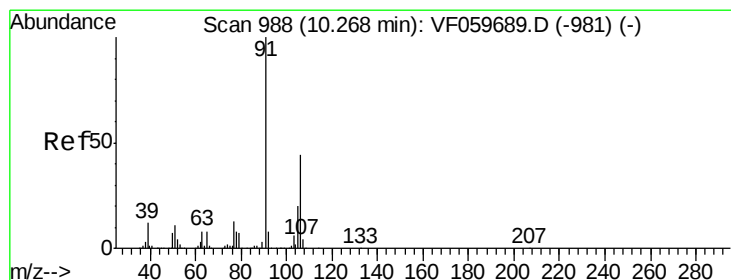
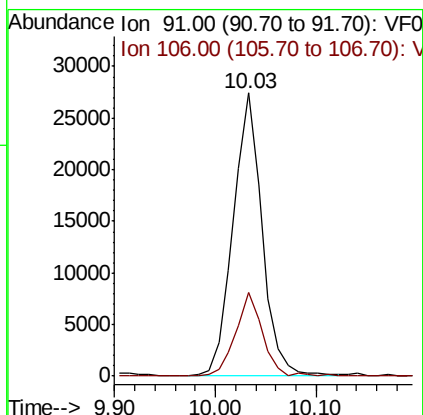
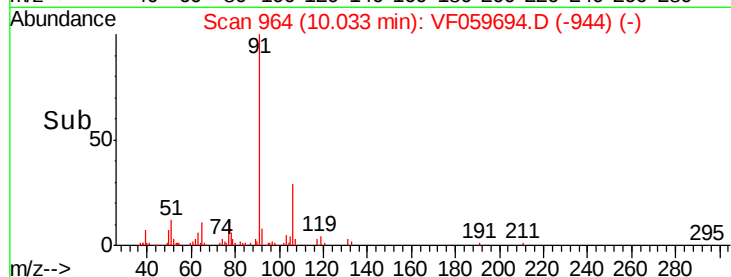
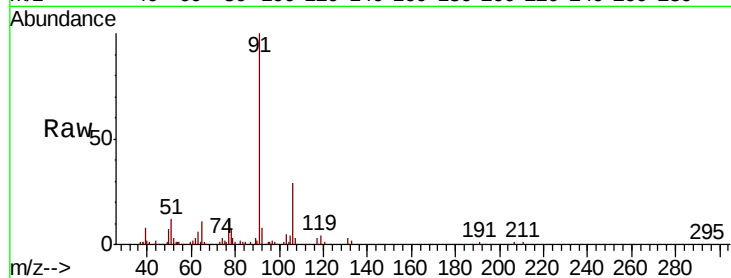




#67
Ethyl Benzene
Concen: 5.522 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

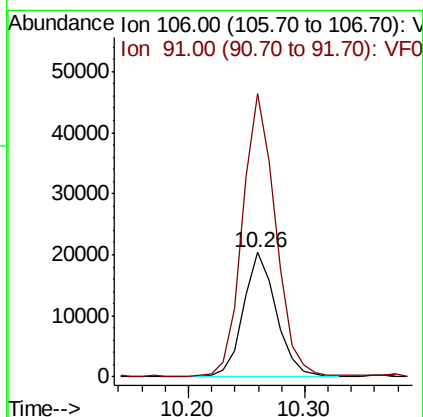
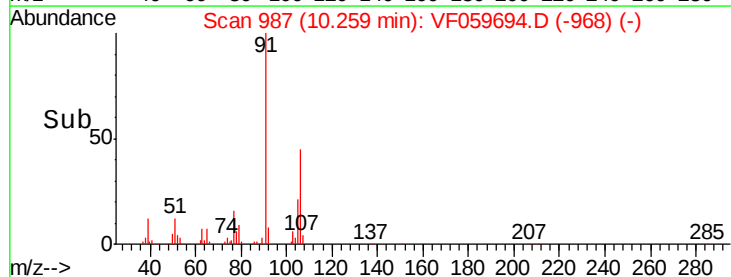
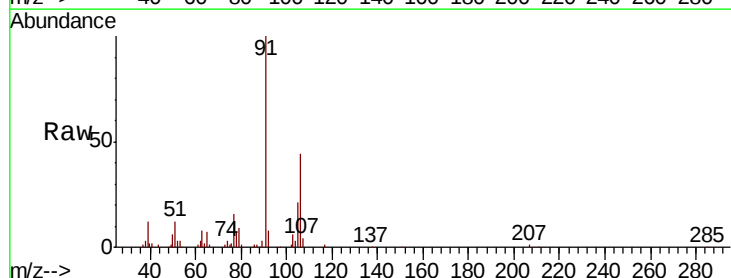
Instrument :
MSVOA_F
ClientSampleId :

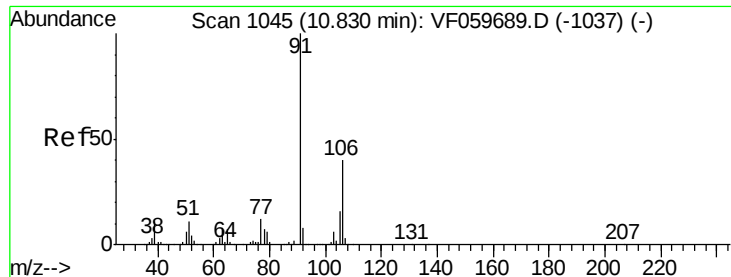
Tot Ion: 91 Resp: 54785
Ion Ratio Lower Upper
91 100
106 29.4 22.9 34.3



#68
m/p-Xylenes
Concen: 11.666 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 106 Resp: 40059
Ion Ratio Lower Upper
106 100
91 228.2 181.7 272.5

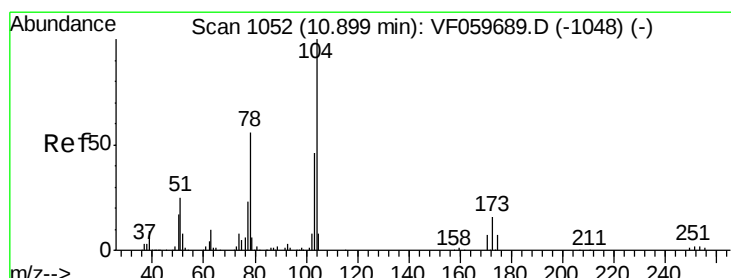
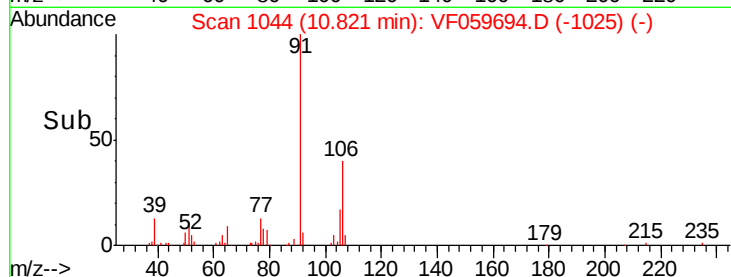
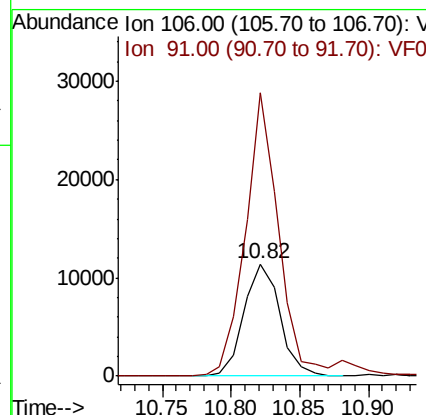
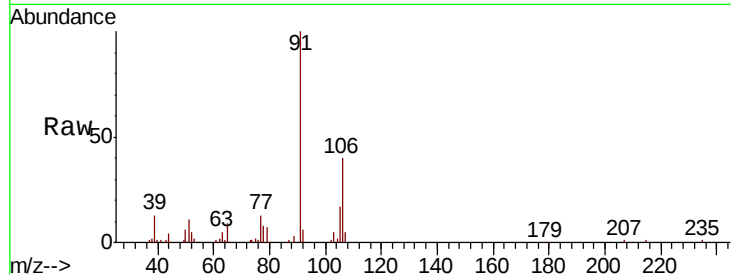




#69
o-Xylene
Concen: 5.634 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

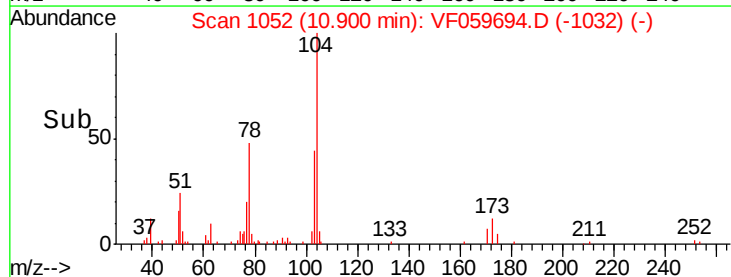
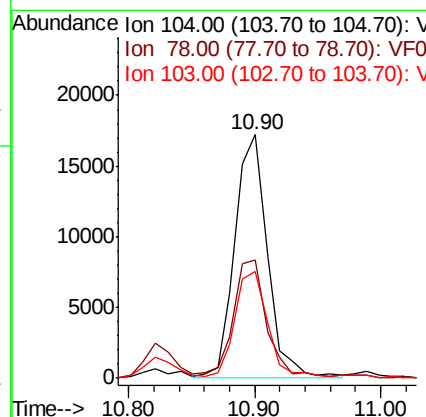
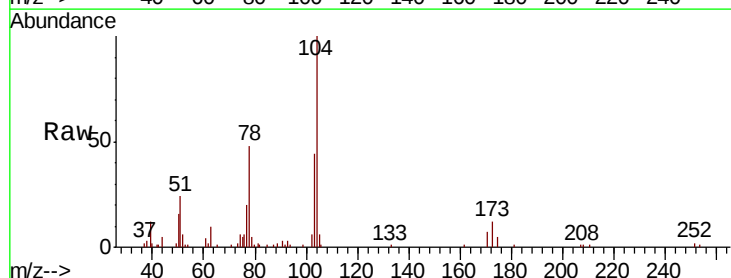
Instrument :
MSVOA_F
ClientSampled :

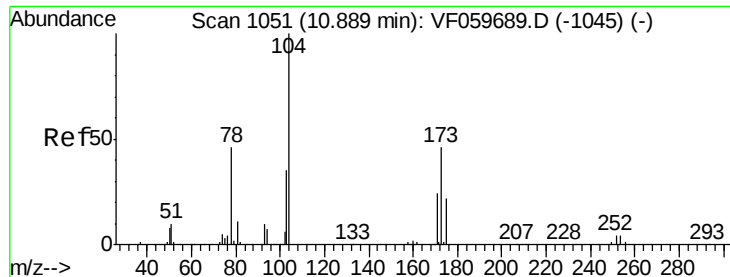
Tot Ion:106 Resp: 20890
Ion Ratio Lower Upper
106 100
91 252.5 124.6 373.7



#70
Styrene
Concen: 5.754 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion:104 Resp: 31030
Ion Ratio Lower Upper
104 100
78 48.5 45.3 67.9
103 43.9 36.6 54.8





#71

Bromoform

Concen: 5.867 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

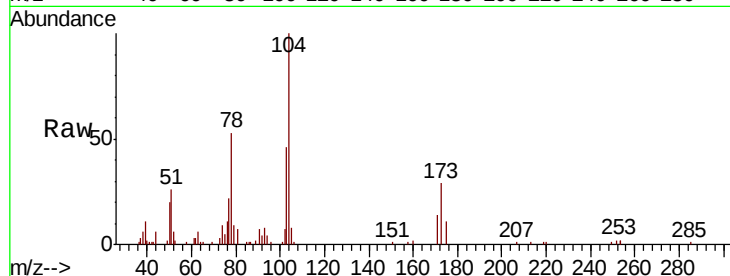
Tot Ion:173 Resp: 9111

Ion Ratio Lower Upper

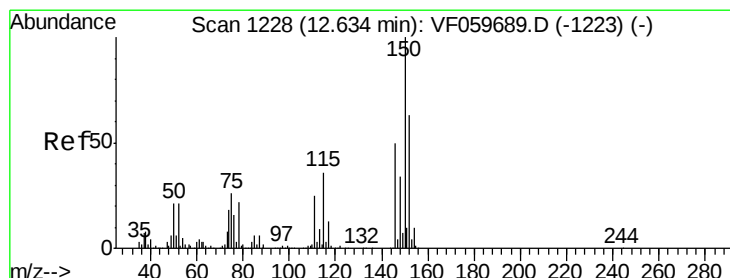
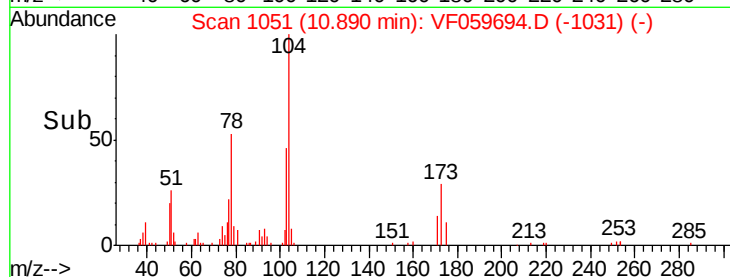
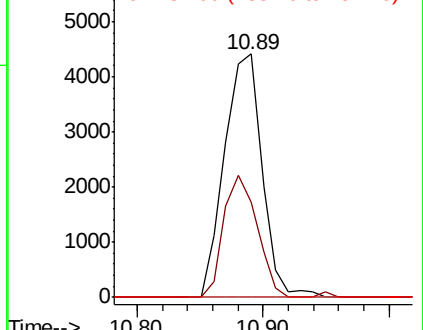
173 100

175 39.3 23.4 70.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

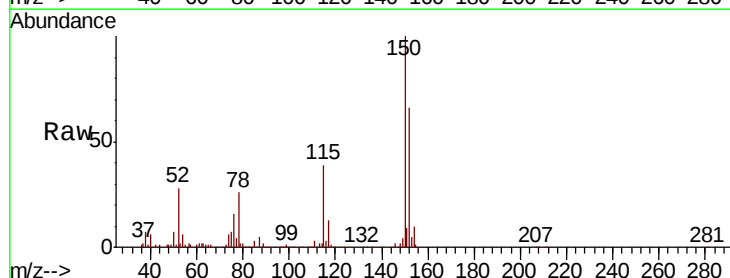
Tgt Ion:152 Resp: 189056

Ion Ratio Lower Upper

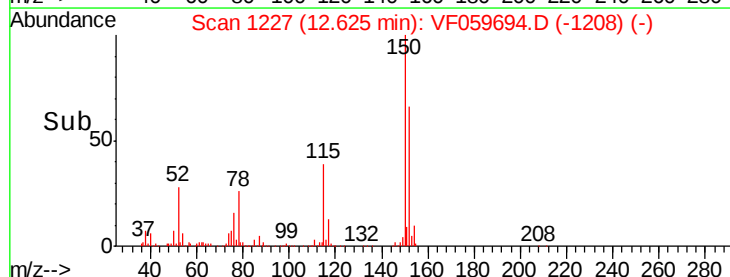
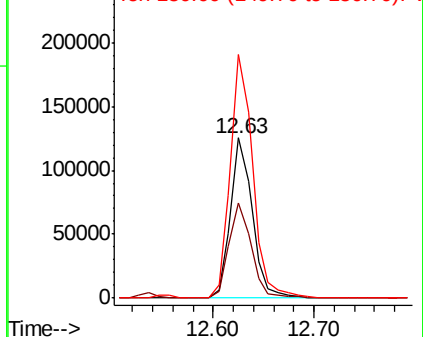
152 100

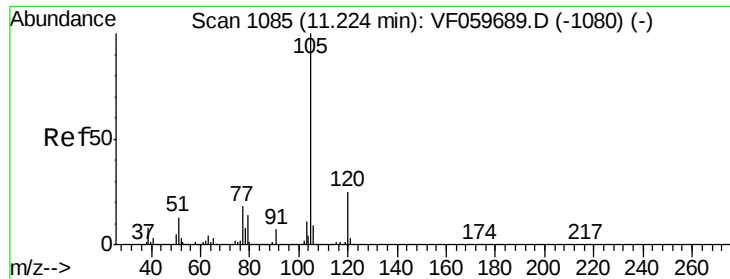
115 59.7 28.2 84.6

150 152.2 0.0 316.2



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





#73

Isopropylbenzene

Concen: 5.054 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

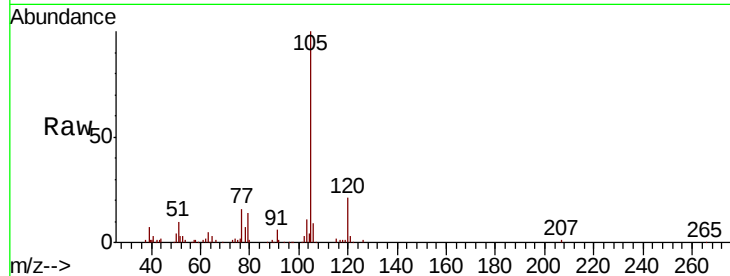
ClientSampleId :

Tot Ion:105 Resp: 65222

Ion Ratio Lower Upper

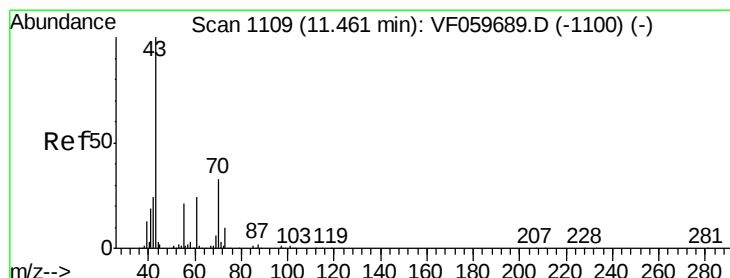
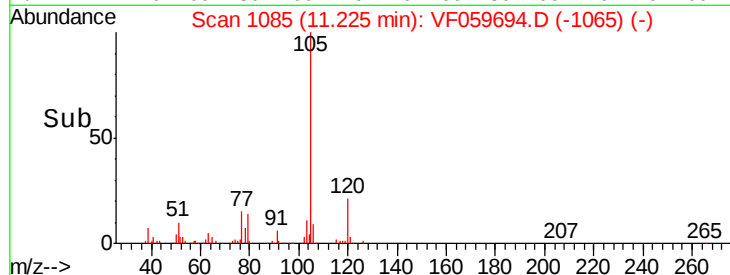
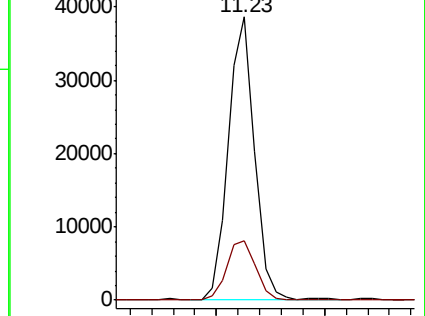
105 100

120 21.1 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 7.217 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion: 43 Resp: 19087

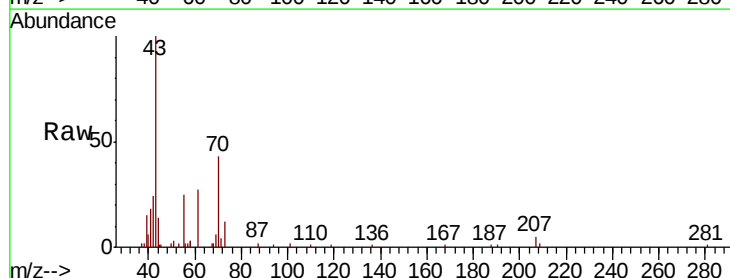
Ion Ratio Lower Upper

43 100

70 43.2 26.3 39.5#

55 25.0 16.6 25.0#

61 26.9 19.1 28.7

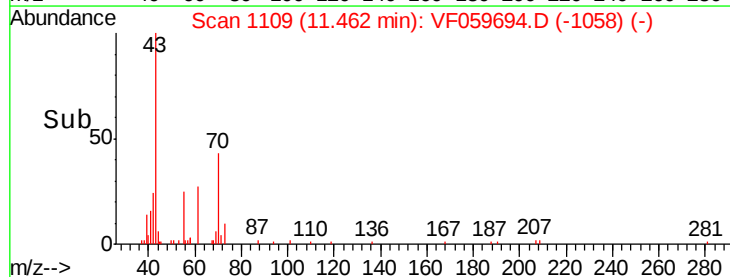
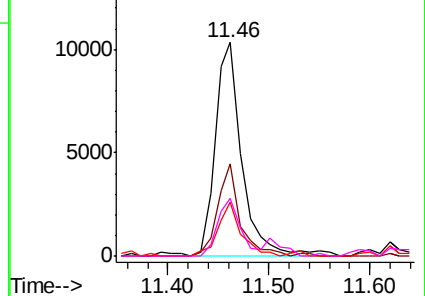


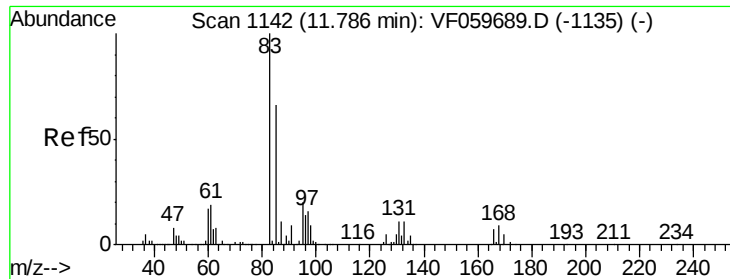
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 6.219 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

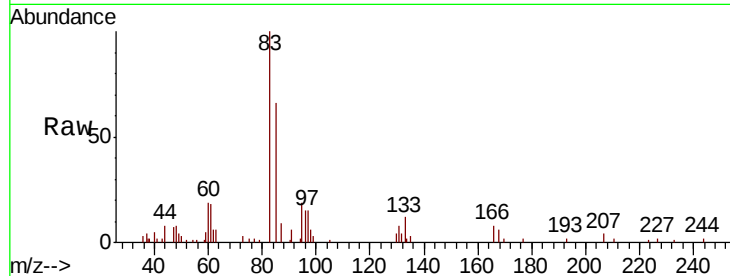
Tot Ion: 83 Resp: 13178

Ion Ratio Lower Upper

83 100

131 8.2 5.8 17.3

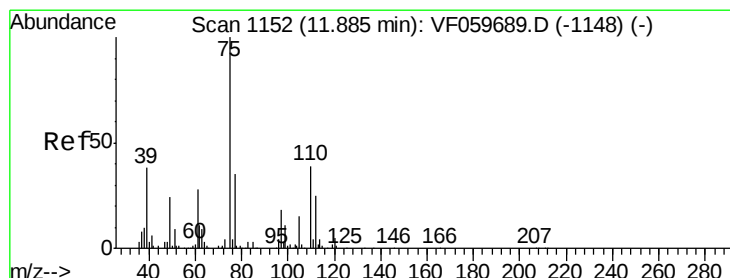
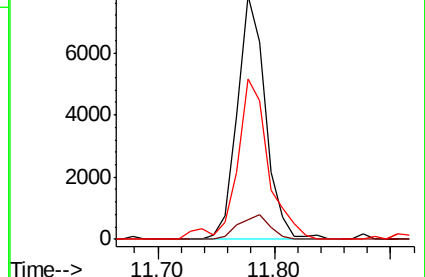
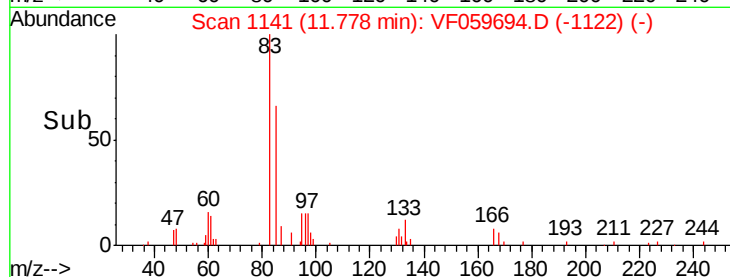
85 66.0 32.8 98.3



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: 6.723 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059694.D

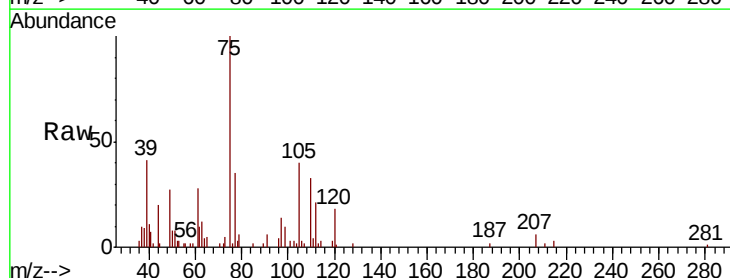
Acq: 30 Jul 2018 18:08

Tgt Ion: 75 Resp: 11700

Ion Ratio Lower Upper

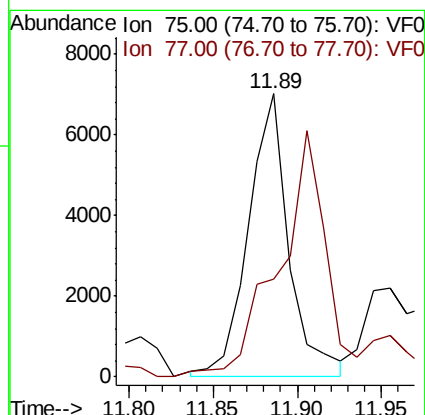
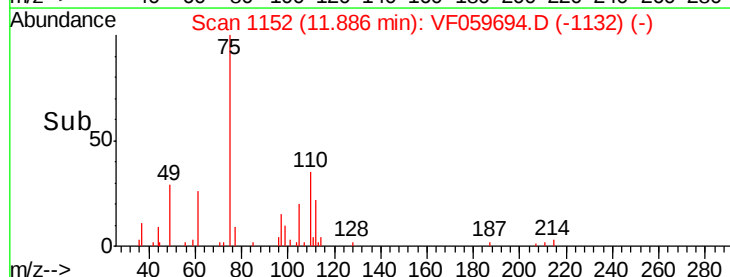
75 100

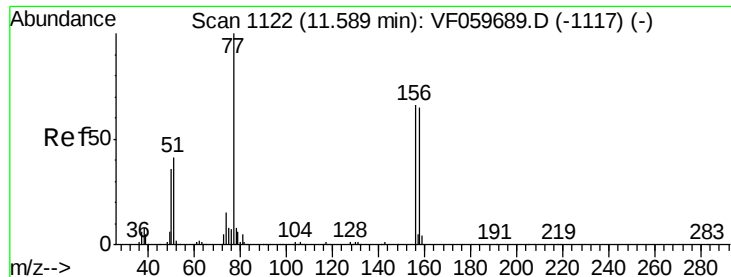
77 34.6 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.792 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

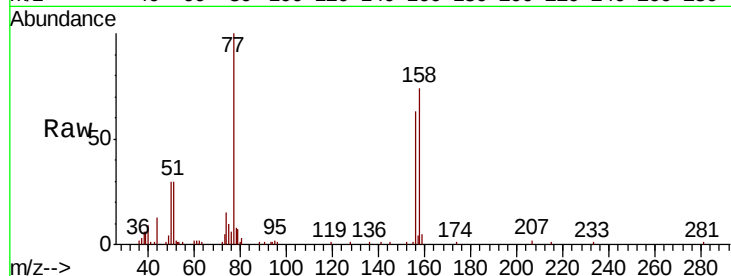
Tot Ion:156 Resp: 18141

Ion Ratio Lower Upper

156 100

77 158.2 75.2 225.6

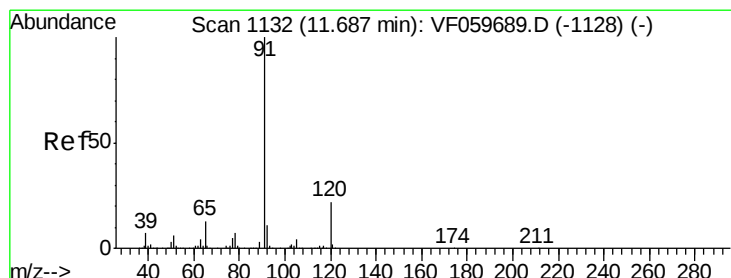
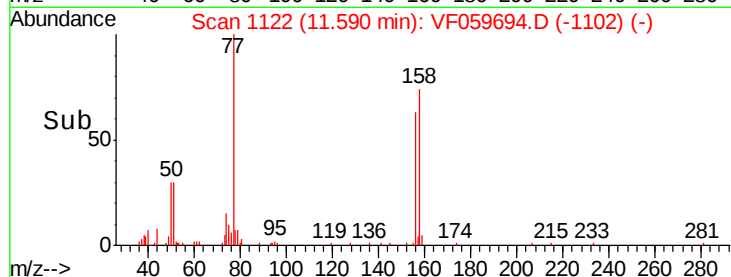
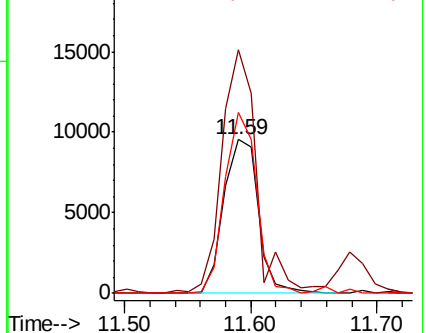
158 117.1 49.1 147.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.331 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059694.D

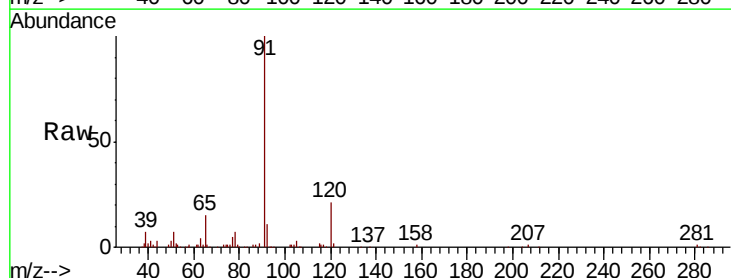
Acq: 30 Jul 2018 18:08

Tgt Ion: 91 Resp: 79258

Ion Ratio Lower Upper

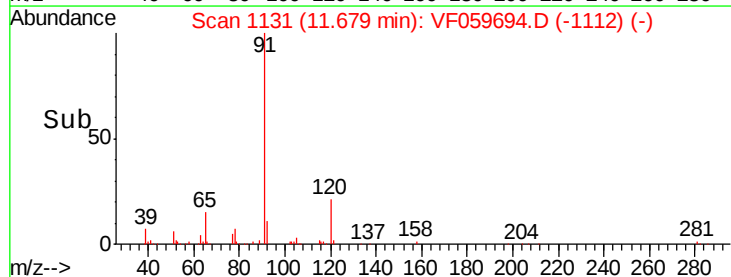
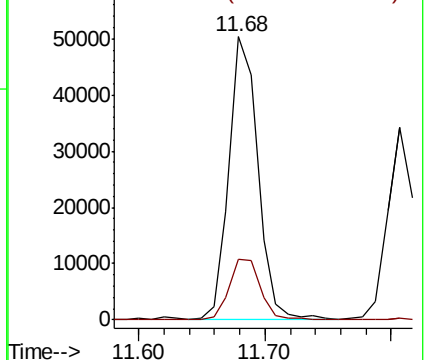
91 100

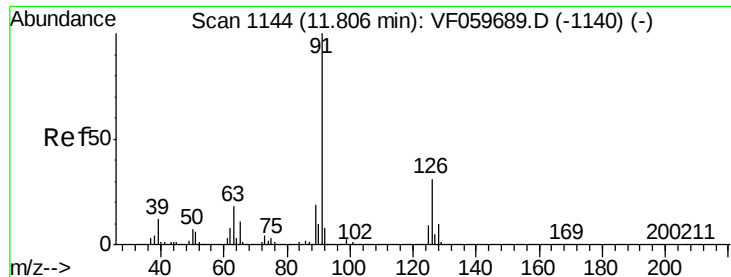
120 21.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

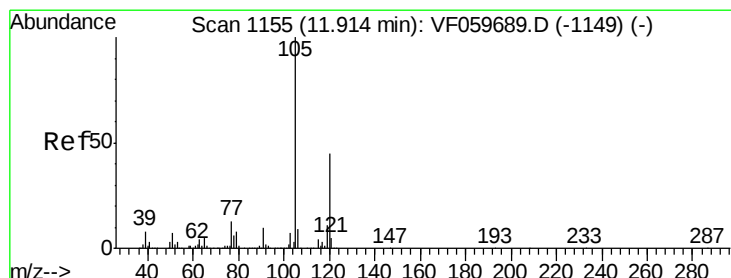
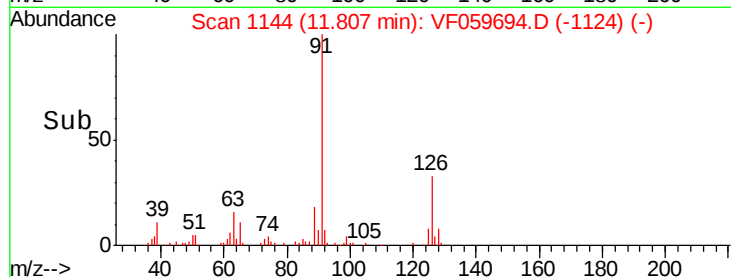
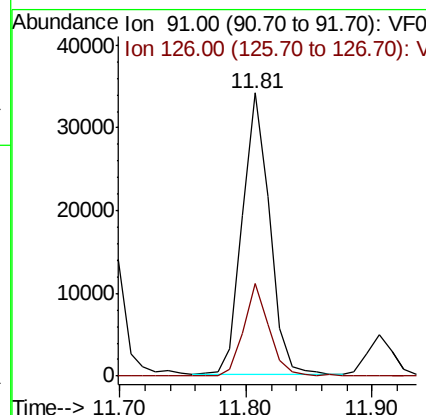
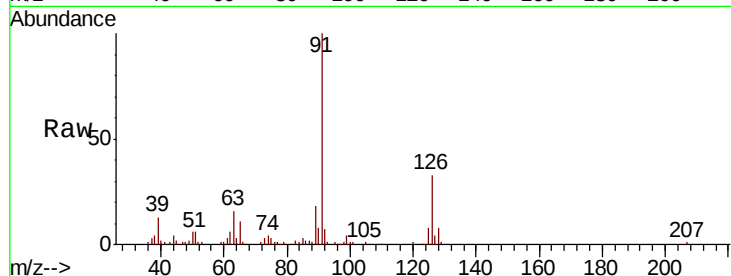




#79
 2-Chlorotoluene
 Concen: 5.602 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

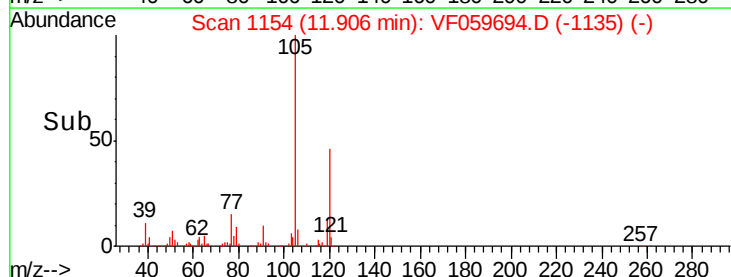
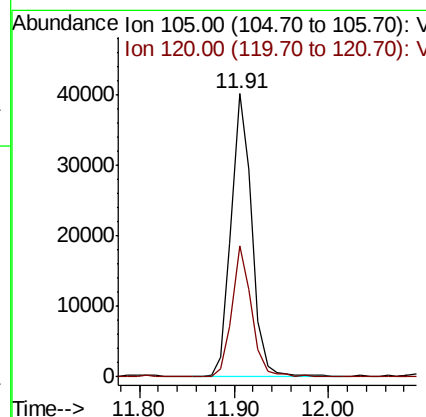
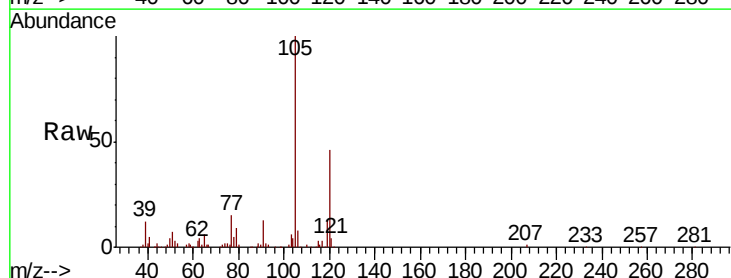
Instrument :
 MSVOA_F
 ClientSampleId :

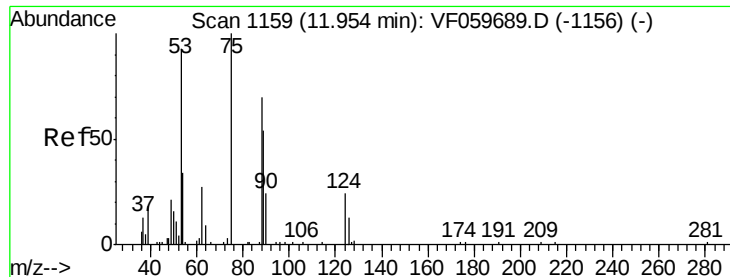
Tot Ion: 91 Resp: 50690
 Ion Ratio Lower Upper
 91 100
 126 32.6 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: 5.379 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion: 105 Resp: 60924
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 7.024 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

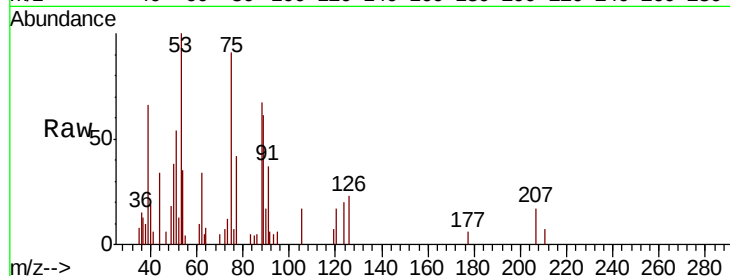
Tot Ion: 75 Resp: 6347

Ion Ratio Lower Upper

75 100

53 110.3 78.3 117.5

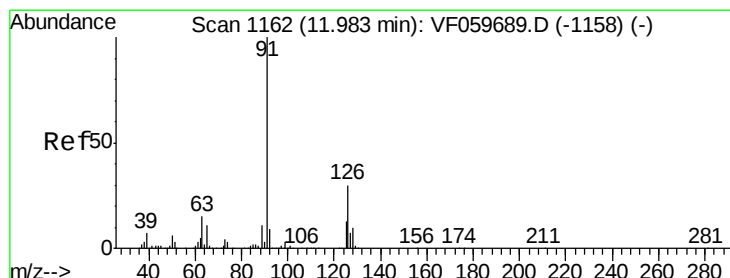
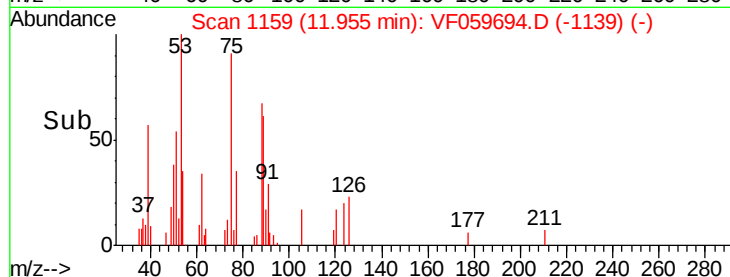
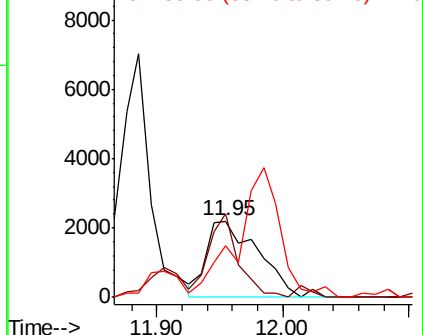
89 66.7 45.4 68.2



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: 5.777 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059694.D

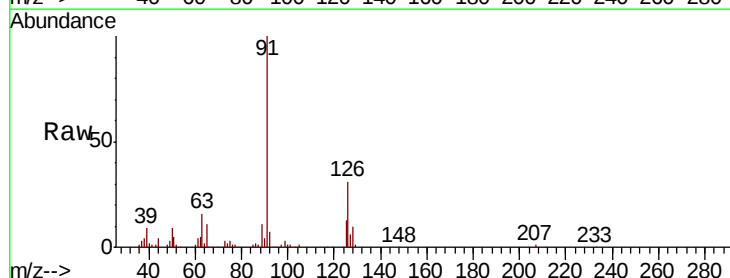
Acq: 30 Jul 2018 18:08

Tgt Ion: 91 Resp: 55077

Ion Ratio Lower Upper

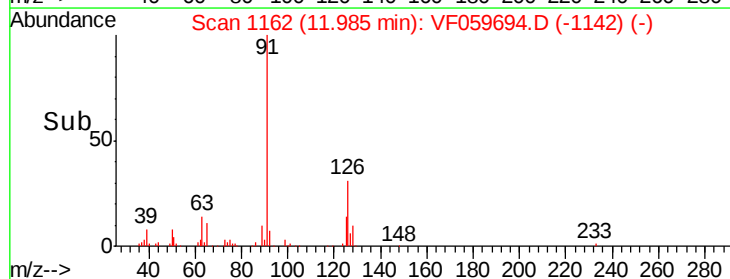
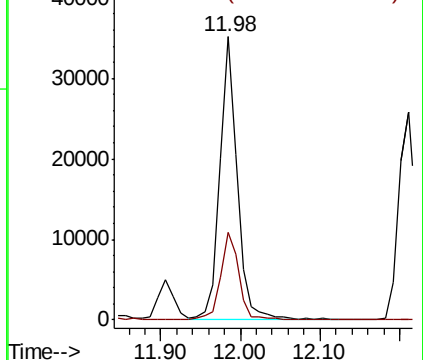
91 100

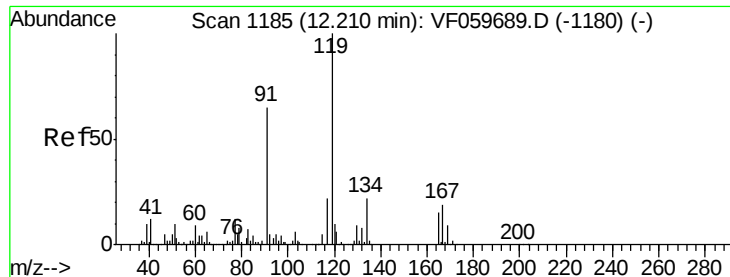
126 31.0 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 5.403 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

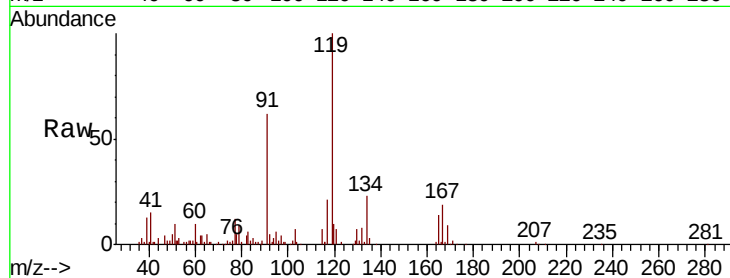
Tot Ion:119 Resp: 61850

Ion Ratio Lower Upper

119 100

91 62.5 32.8 98.4

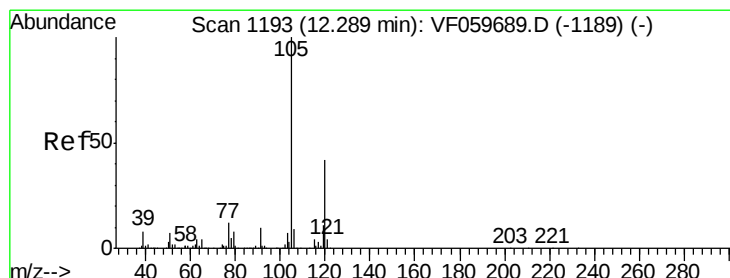
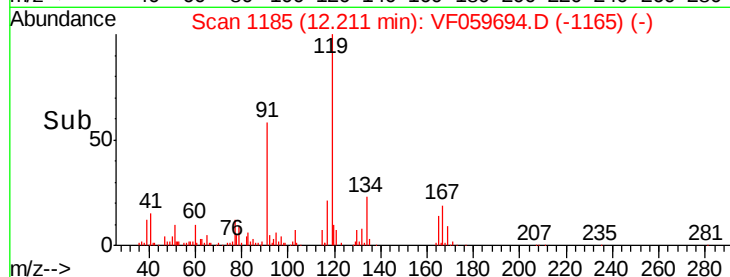
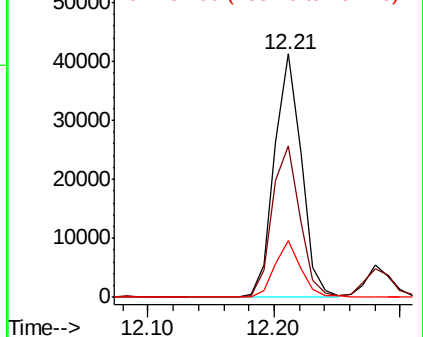
134 23.0 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.270 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059694.D

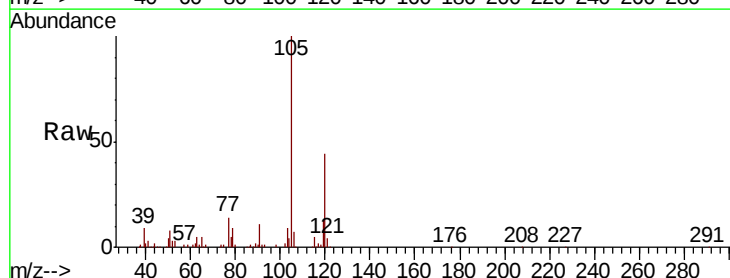
Acq: 30 Jul 2018 18:08

Tgt Ion:105 Resp: 61327

Ion Ratio Lower Upper

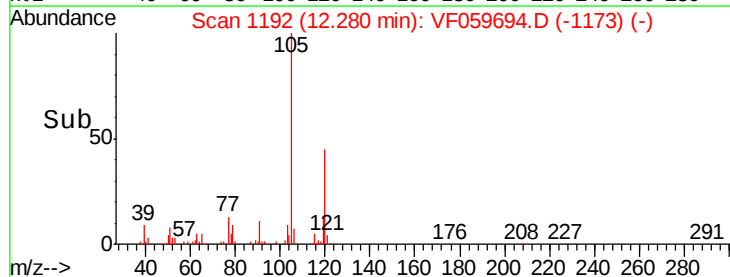
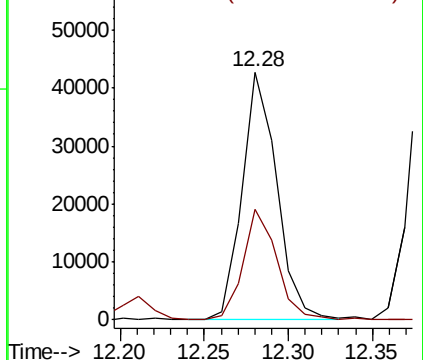
105 100

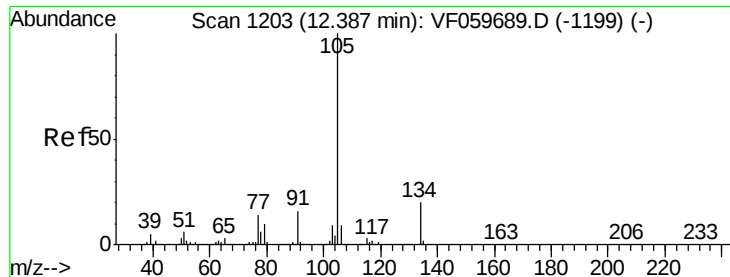
120 44.4 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

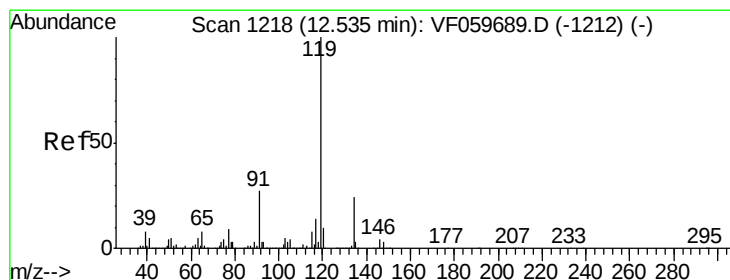
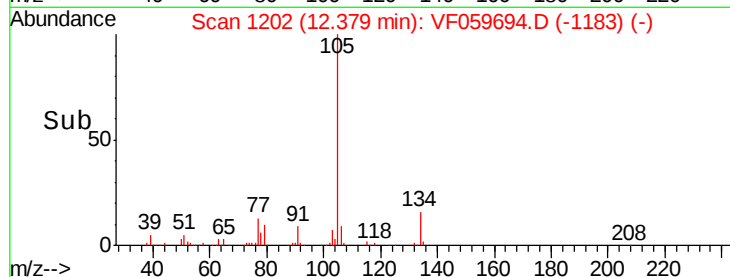
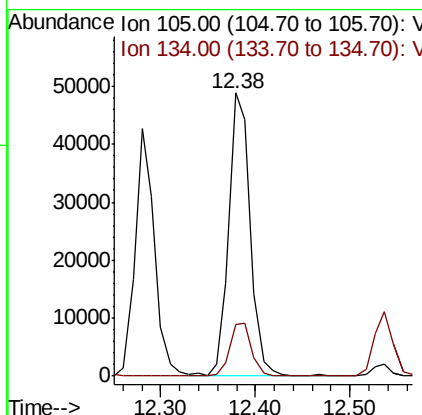
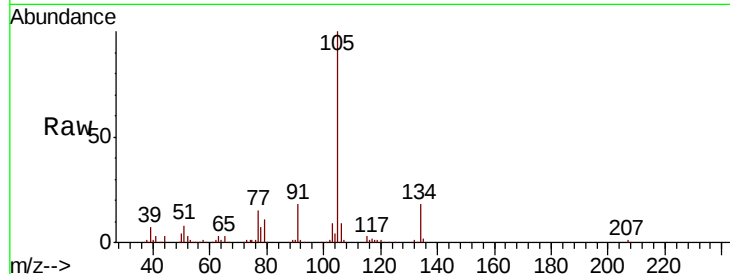




#85
 sec-Butylbenzene
 Concen: 5.153 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

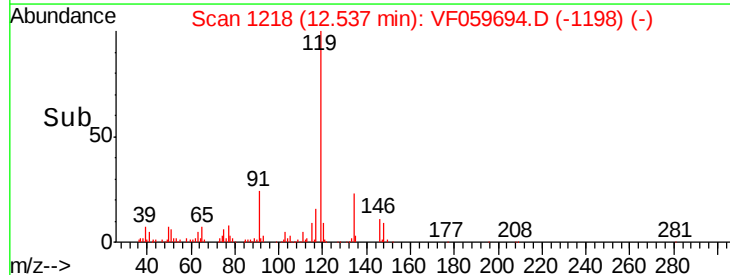
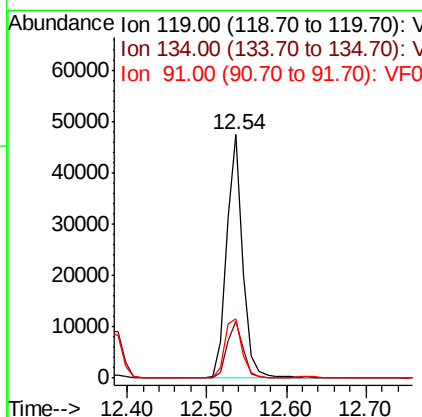
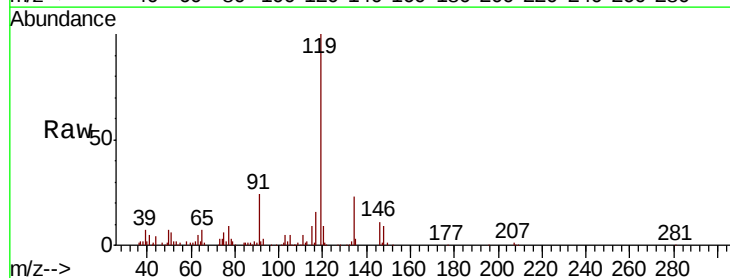
Instrument :
 MSVOA_F
 ClientSampled :

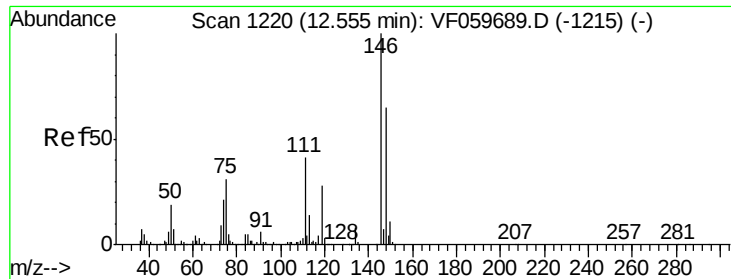
Tot Ion:105 Resp: 77608
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 5.205 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion:119 Resp: 67406
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.2 36.6
 91 24.5 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 5.946 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

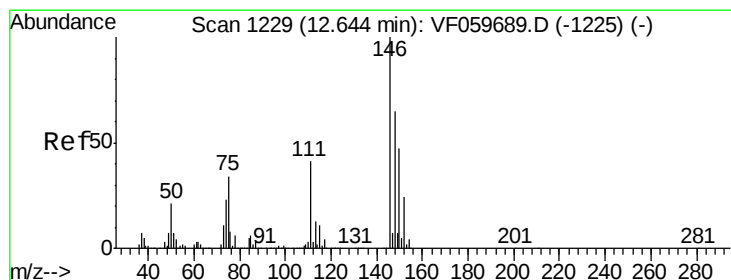
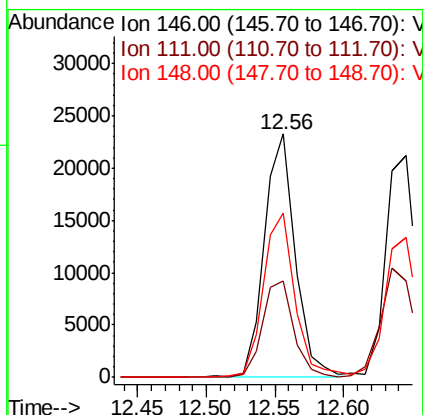
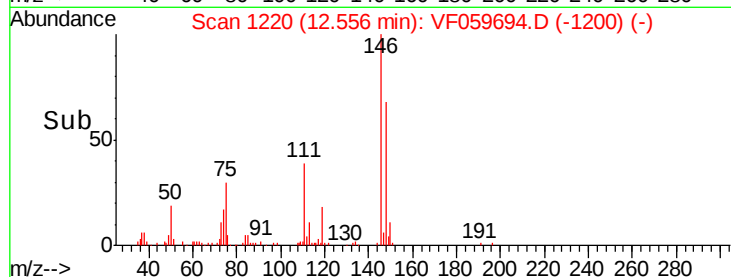
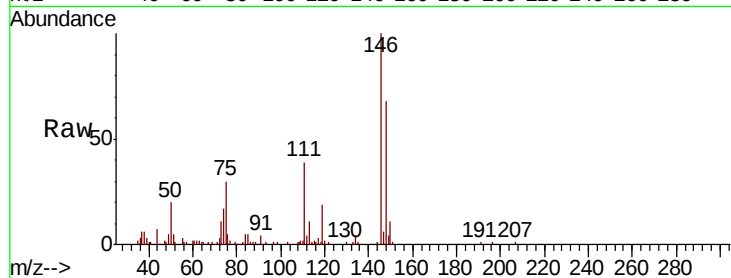
Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:146 Resp: 36318

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.7	62.1
148	67.5	32.3	96.8



#88

1,4-Dichlorobenzene

Concen: 5.934 ug/l

RT: 12.64 min Scan# 1229

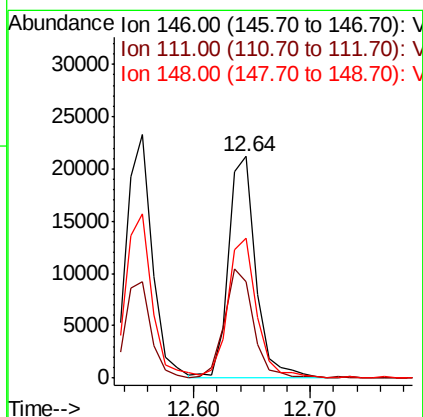
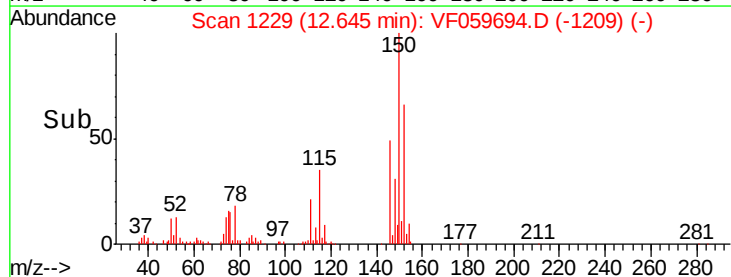
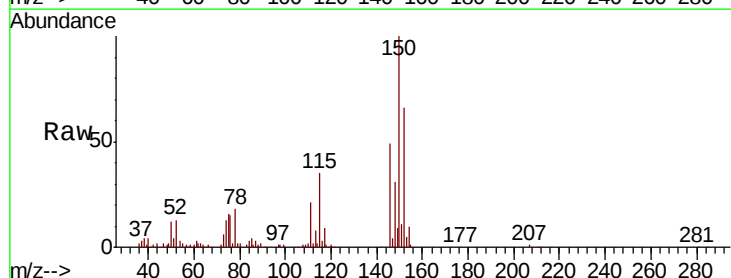
Delta R.T. 0.00 min

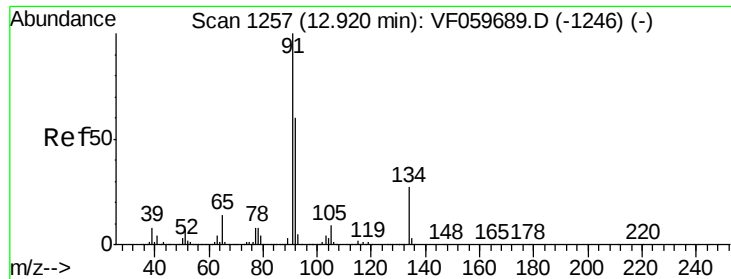
Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:146 Resp: 34530

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.8	62.2
148	63.5	32.3	96.9

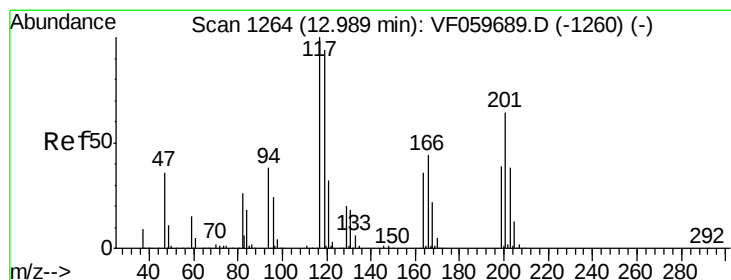
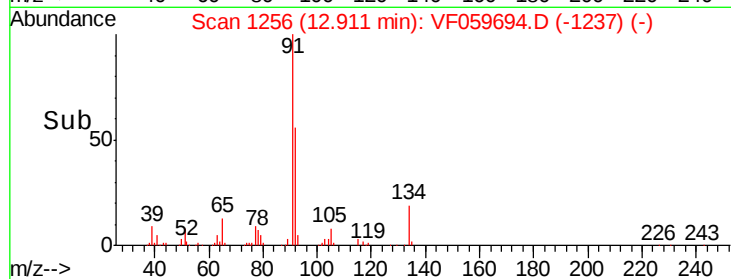
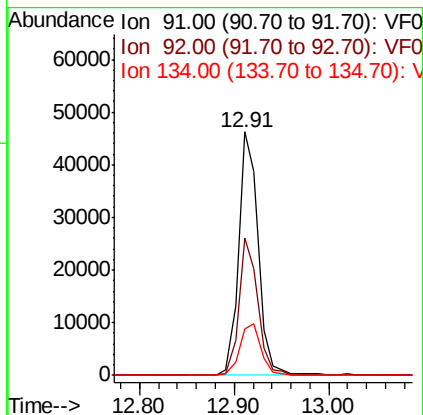
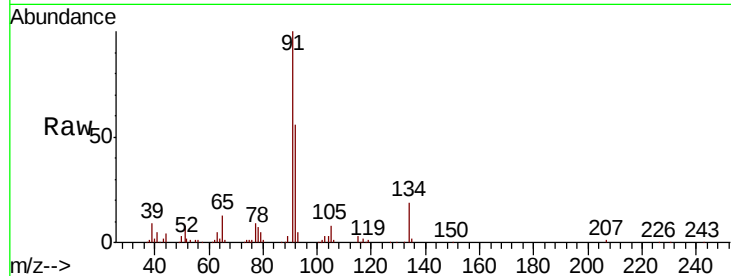




#89
n-Butylbenzene
Concen: 5.291 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

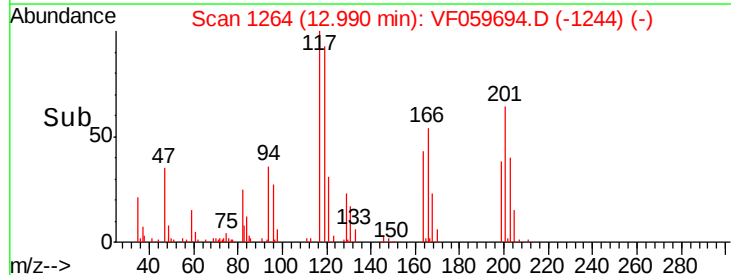
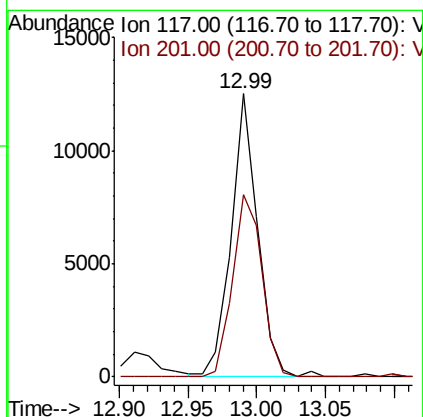
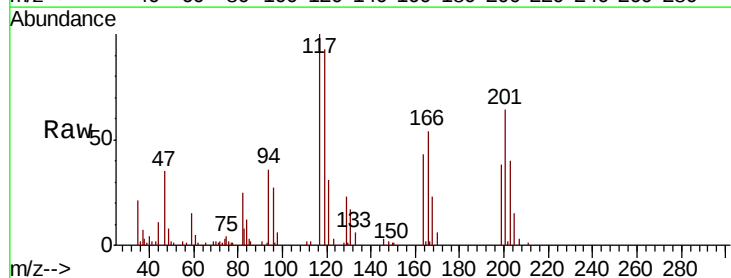
Instrument :
MSVOA_F
ClientSampleId :

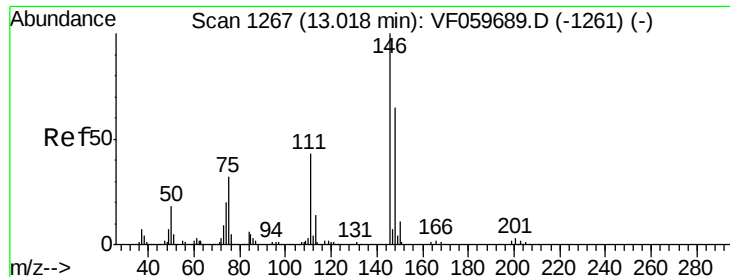
Tot Ion: 91 Resp: 66260
Ion Ratio Lower Upper
91 100
92 56.2 30.1 90.3
134 19.1 13.7 41.0



#90
Hexachloroethane
Concen: 5.092 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 117 Resp: 16785
Ion Ratio Lower Upper
117 100
201 64.3 31.9 95.5

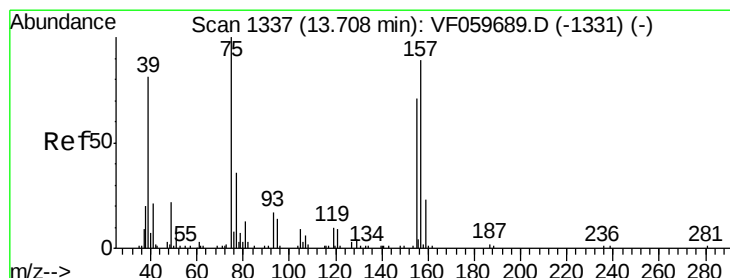
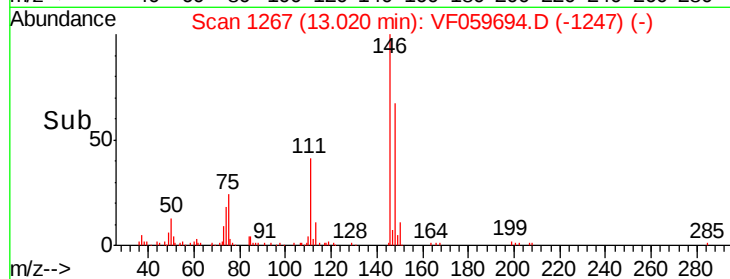
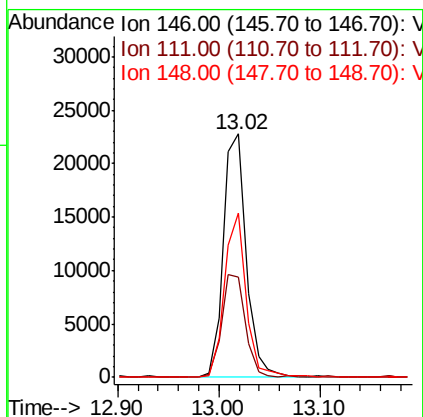
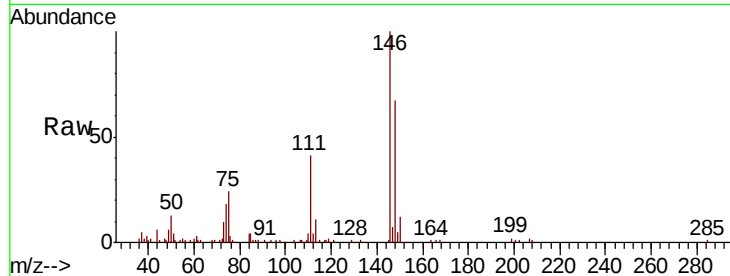




#91
 1,2-Dichlorobenzene
 Concen: 6.340 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

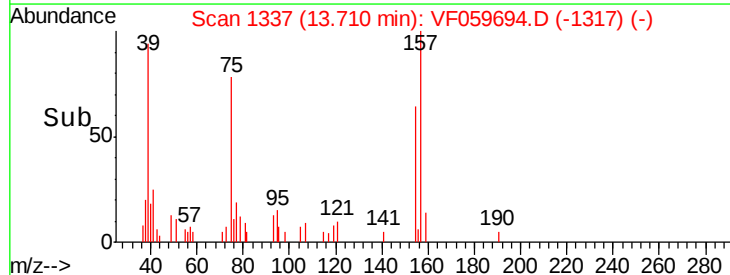
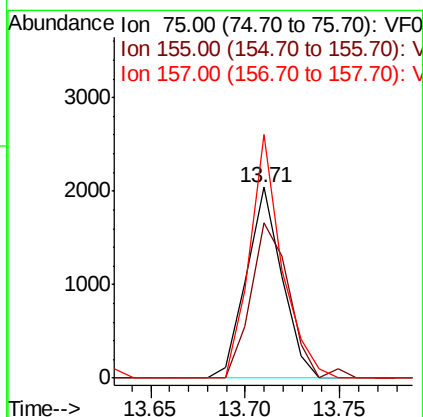
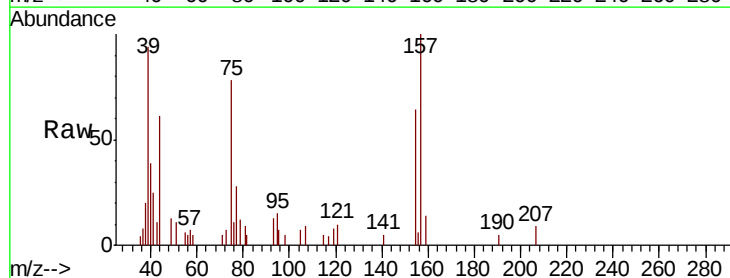
Instrument :
 MSVOA_F
 ClientSampleId :

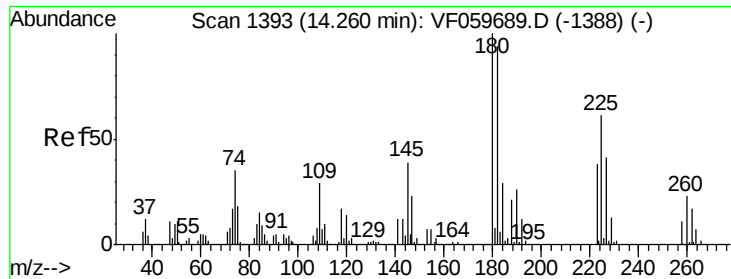
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.6	65.0
148	67.5	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.144 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	35.4	106.2
157	127.7	44.4	133.2

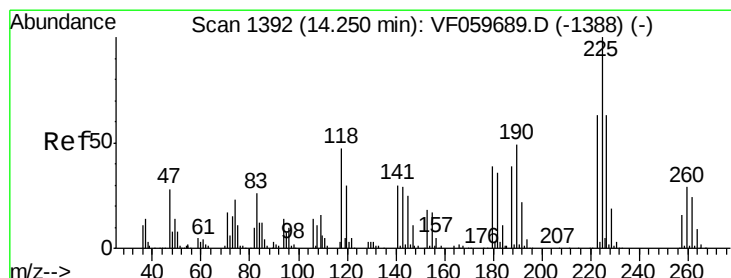
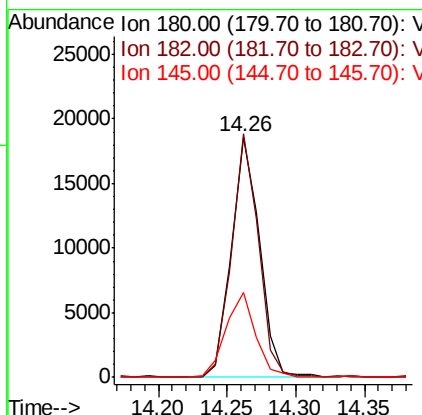
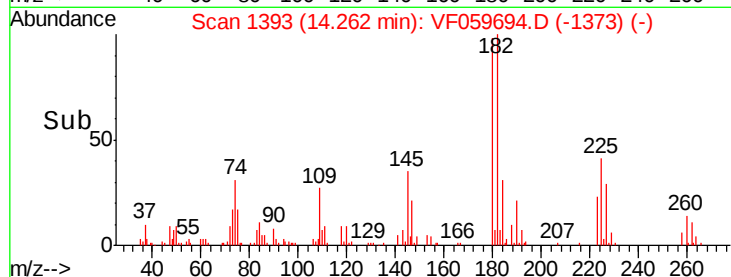
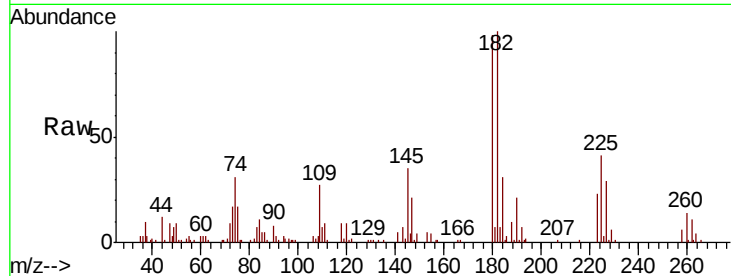




#93
 1,2,4-Trichlorobenzene
 Concen: 5.842 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

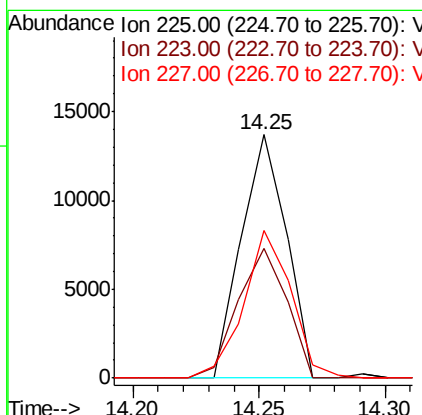
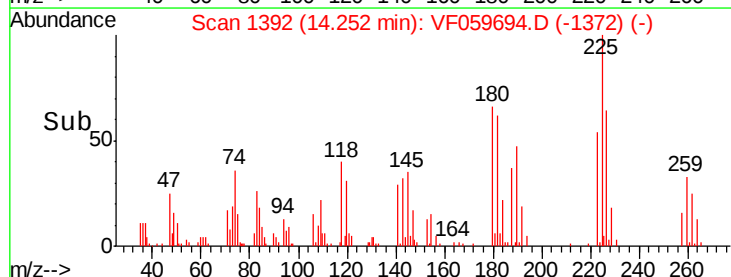
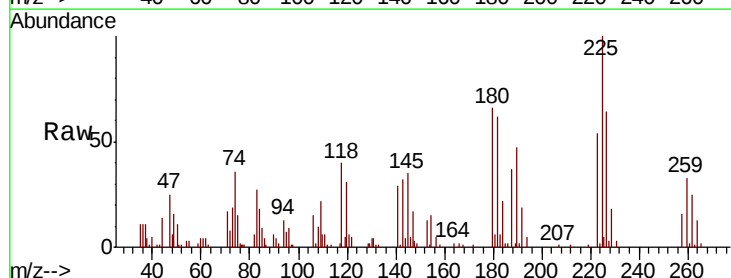
Instrument :
 MSVOA_F
 ClientSampled :

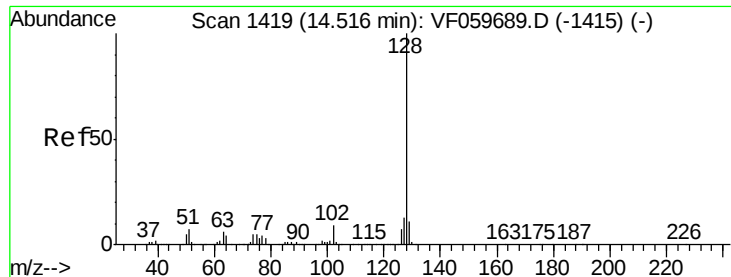
Tot Ion:180 Resp: 26588
 Ion Ratio Lower Upper
 180 100
 182 101.6 47.2 141.6
 145 35.6 19.3 57.9



#94
 Hexachlorobutadiene
 Concen: 5.069 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion:225 Resp: 16970
 Ion Ratio Lower Upper
 225 100
 223 53.4 31.4 94.2
 227 60.8 31.5 94.5

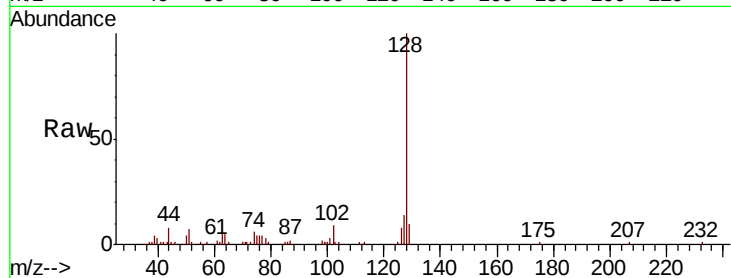




#95
Naphthalene
Concen: 5.746 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.0	15.0
129	10.4	8.6	13.0

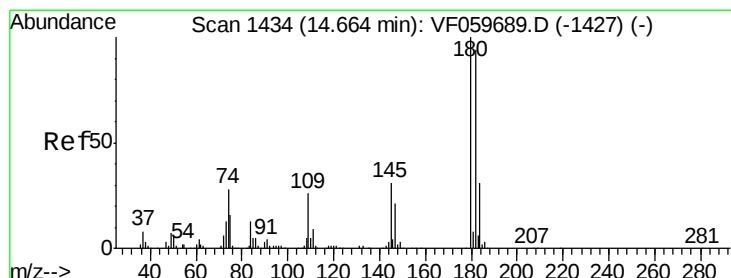
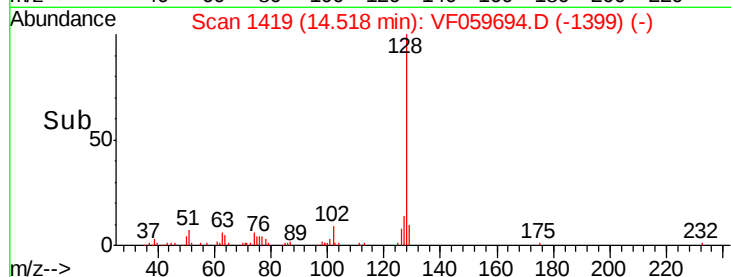
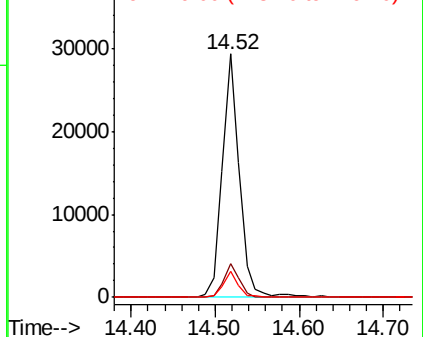


Abundance

Ion 128.00 (127.70 to 128.70): V

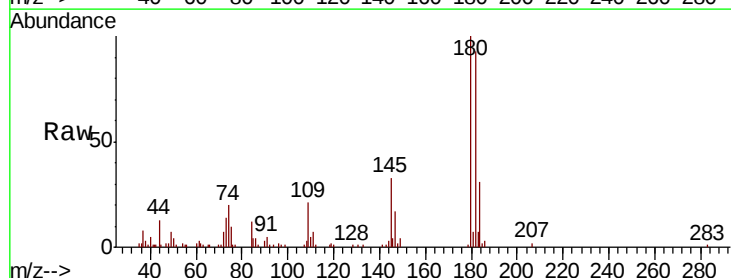
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 6.136 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.2	141.6
145	32.9	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

