

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059698.D
 Acq On : 30 Jul 2018 20:27
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 05:31:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	209971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	299947	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	289997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	185458	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	173370	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
35) Dibromofluoromethane	4.29	113	144061	46.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.48%	
50) Toluene-d8	7.71	98	337434	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.51	95	181430	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	104192	43.380	ug/l	97
3) Chloromethane	1.08	50	62429	51.331	ug/l	96
4) Vinyl Chloride	1.15	62	61138	46.716	ug/l	93
5) Bromomethane	1.34	94	48904	45.364	ug/l	95
6) Chloroethane	1.42	64	38469	48.441	ug/l #	87
7) Trichlorofluoromethane	1.53	101	113931	29.056	ug/l	84
8) Diethyl Ether	1.70	74	29286	43.680	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	87757	42.731	ug/l	96
10) Methyl Iodide	1.96	142	143640	49.625	ug/l #	88
11) Tert butyl alcohol	2.69	59	40444	265.903	ug/l	95
12) 1,1-Dichloroethene	1.85	96	71357	43.884	ug/l	94
13) Acrolein	2.09	56	20565	257.524	ug/l	92
14) Allyl chloride	2.19	41	118315	45.573	ug/l	91
15) Acrylonitrile	3.07	53	64268	263.584	ug/l #	86
16) Acetone	2.33	43	148650	219.002	ug/l	98
17) Carbon Disulfide	1.88	76	106843	29.906	ug/l	96
18) Methyl Acetate	2.44	43	51836	49.113	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	226249	45.626	ug/l	99
20) Methylene Chloride	2.27	84	34413	18.822	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	68262	47.845	ug/l	95
22) Diisopropyl ether	2.93	45	249304	45.409	ug/l	98
23) Vinyl Acetate	3.33	43	727488	257.735	ug/l	98
24) 1,1-Dichloroethane	2.99	63	173393	45.459	ug/l #	96
25) 2-Butanone	4.50	43	166933	220.375	ug/l #	78
26) 2,2-Dichloropropane	3.75	77	116232	42.747	ug/l	89
27) cis-1,2-Dichloroethene	3.63	96	88135	43.150	ug/l	95
28) Bromochloromethane	3.88	49	66914	50.403	ug/l #	75
29) Tetrahydrofuran	4.25	42	69421	238.447	ug/l	98
30) Chloroform	4.03	83	238358	44.277	ug/l	92
31) Cyclohexane	3.84	56	90159	48.660	ug/l	88
32) 1,1,1-Trichloroethane	4.27	97	181773	43.531	ug/l	100
36) 1,1-Dichloropropene	4.44	75	143484	47.017	ug/l	96
37) Ethyl Acetate	4.29	43	71337	47.419	ug/l #	93
38) Carbon Tetrachloride	4.17	117	202505	42.463	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	111170	47.828	ug/l	94
40) Benzene	4.80	78	273286	45.117	ug/l	98
41) Methacrylonitrile	4.92	41	37523	49.676	ug/l	95
42) 1,2-Dichloroethane	5.11	62	191315	45.130	ug/l	97
43) Isopropyl Acetate	7.10	43	82433	45.961	ug/l #	89
44) Trichloroethene	5.67	130	98448	48.276	ug/l	93
45) 1,2-Dichloropropane	6.39	63	77917	48.708	ug/l	96
46) Dibromomethane	6.25	93	67030	44.135	ug/l	87
47) Bromodichloromethane	6.54	83	190775	46.127	ug/l	99
48) Methyl methacrylate	6.87	41	62402	46.256	ug/l	94
49) 1,4-Dioxane	6.87	88	9265	1064.848	ug/l #	68
51) 4-Methyl-2-Pentanone	8.41	43	329725	241.673	ug/l	96
52) Toluene	7.77	92	189598	46.849	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	157486	43.884	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	165978	47.750	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	75889	46.259	ug/l	96
56) Ethyl methacrylate	8.75	69	81344	47.546	ug/l	95
57) 1,3-Dichloropropane	9.00	76	132095	46.936	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	42139	213.326	ug/l	100
59) 2-Hexanone	9.63	43	264453	241.880	ug/l	95
60) Dibromochloromethane	8.86	129	131021	45.261	ug/l	96
61) 1,2-Dibromoethane	9.14	107	87896	45.883	ug/l	95
64) Tetrachloroethene	8.30	164	100067	51.224	ug/l	96
65) Chlorobenzene	9.93	112	255023	43.961	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	127736	47.163	ug/l	96
67) Ethyl Benzene	10.03	91	455734	45.405	ug/l	98
68) m/p-Xylenes	10.27	106	323547	103.525	ug/l	97
69) o-Xylene	10.82	106	177768	48.067	ug/l	96
70) Styrene	10.90	104	265680	47.420	ug/l	98
71) Bromoform	10.89	173	82961	47.009	ug/l	97
73) Isopropylbenzene	11.22	105	567978	46.675	ug/l	100
74) N-amyl acetate	11.46	43	154507	50.327	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	111782	48.799	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	89413	45.904	ug/l	99
77) Bromobenzene	11.59	156	144299	45.411	ug/l	95
78) n-propylbenzene	11.69	91	626645	50.266	ug/l	98
79) 2-Chlorotoluene	11.81	91	394804	50.321	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	490598	50.796	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	52413	64.975	ug/l	97
82) 4-Chlorotoluene	11.98	91	416362	49.622	ug/l	99
83) tert-Butylbenzene	12.21	119	500920	45.856	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	492276	50.287	ug/l	98
85) sec-Butylbenzene	12.39	105	639110	51.588	ug/l	99
86) p-Isopropyltoluene	12.54	119	566961	52.615	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	268548	51.799	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	262624	49.972	ug/l	98
89) n-Butylbenzene	12.92	91	525028	51.186	ug/l	99
90) Hexachloroethane	12.99	117	143566	46.775	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	267914	53.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28080	50.145	ug/l	98

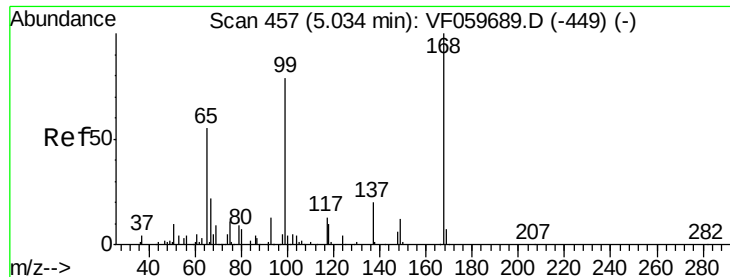
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF073018\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	216358	53.936	ug/l	96
94) Hexachlorobutadiene	14.25	225	147478	48.482	ug/l	97
95) Naphthalene	14.52	128	406307	50.814	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	209016	47.293	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

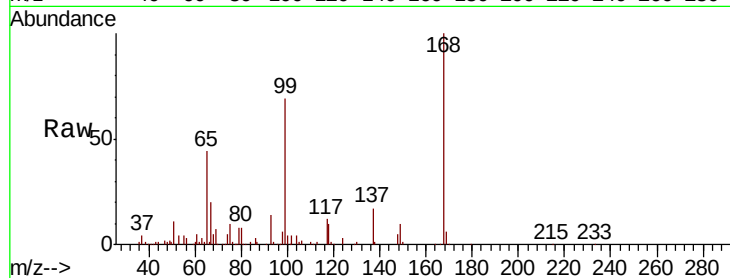
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 209971

Ion Ratio Lower Upper

168 100

99 68.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

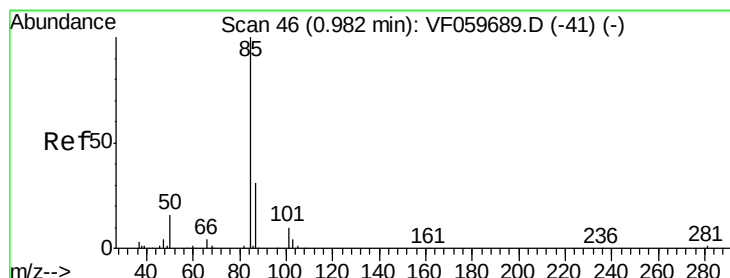
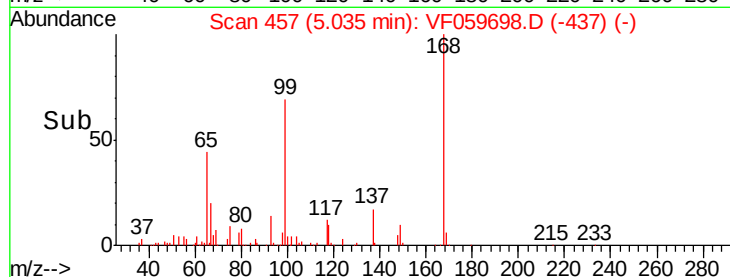
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 43.380 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059698.D

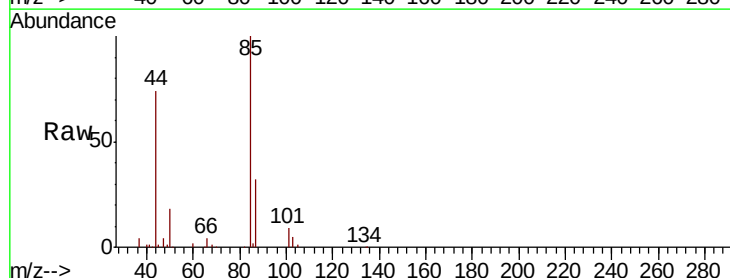
Acq: 30 Jul 2018 20:27

Tgt Ion: 85 Resp: 104192

Ion Ratio Lower Upper

85 100

87 32.2 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

30000

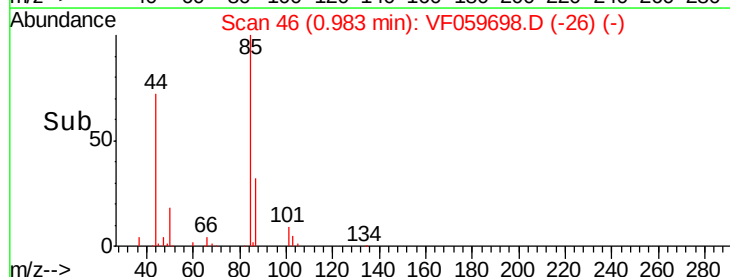
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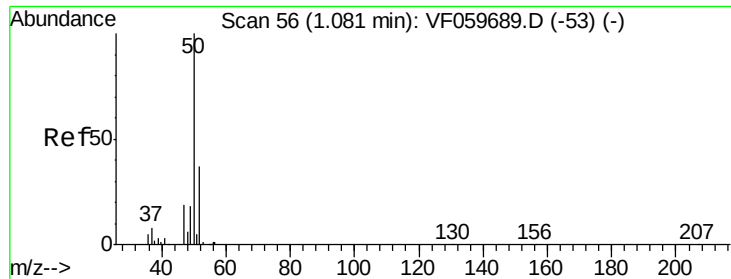
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 51.331 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

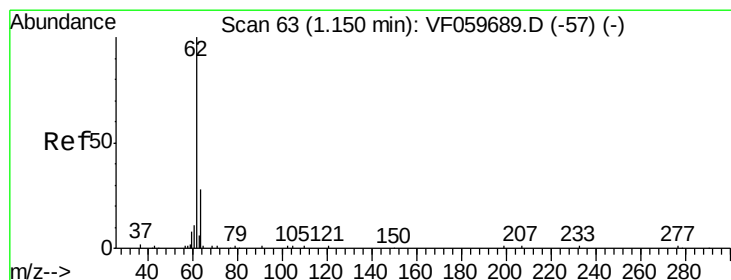
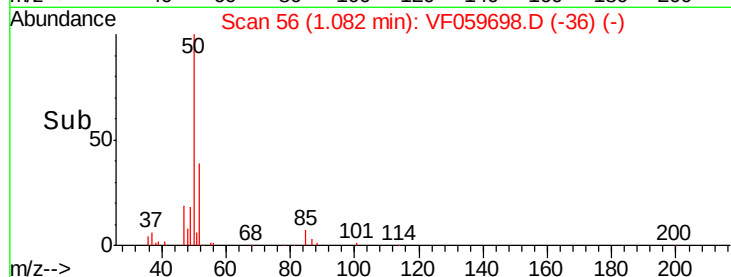
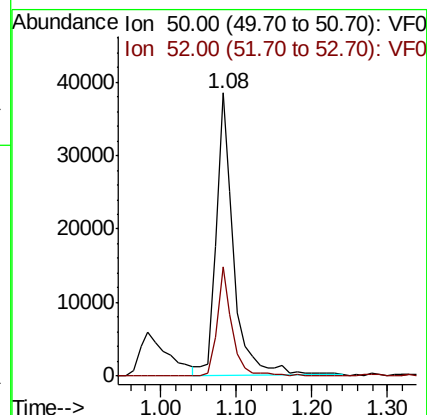
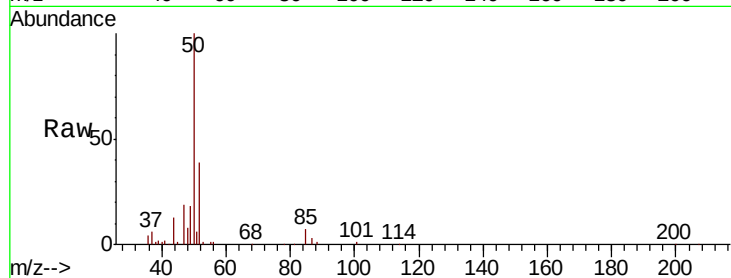
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 62429

Ion Ratio Lower Upper

50 100

52 38.5 29.1 43.7



#4

Vinyl Chloride

Concen: 46.716 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059698.D

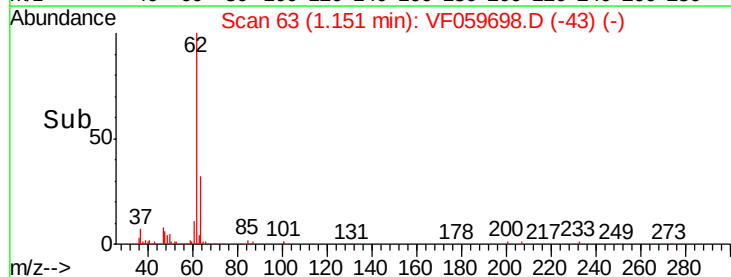
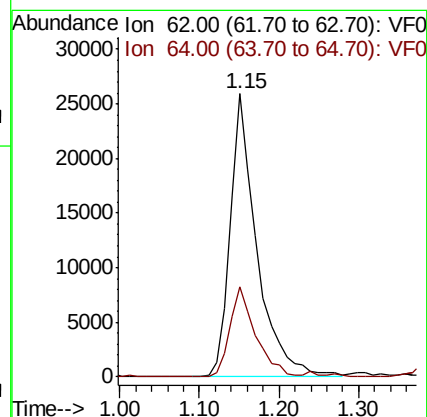
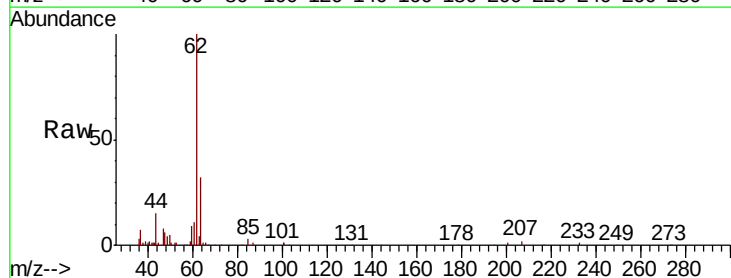
Acq: 30 Jul 2018 20:27

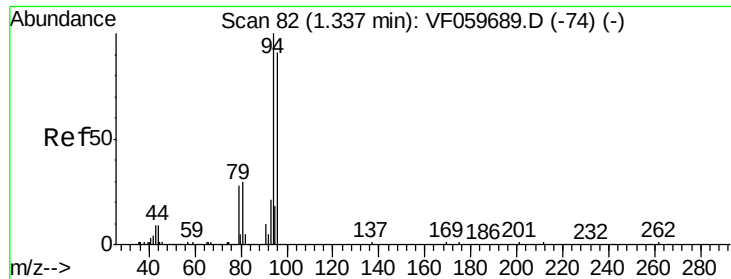
Tgt Ion: 62 Resp: 61138

Ion Ratio Lower Upper

62 100

64 31.7 22.6 33.8





#5

Bromomethane

Concen: 45.364 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

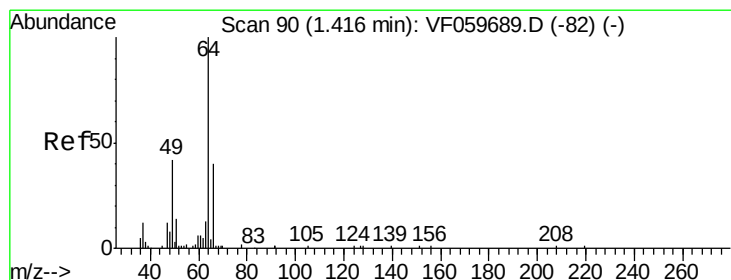
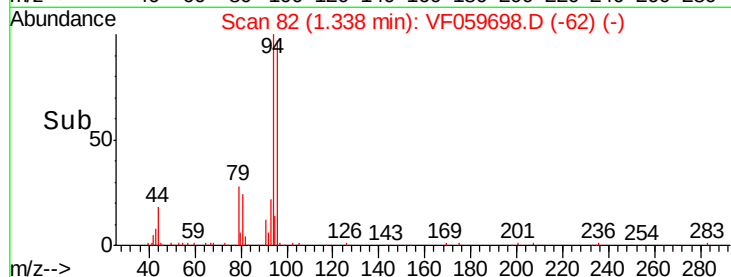
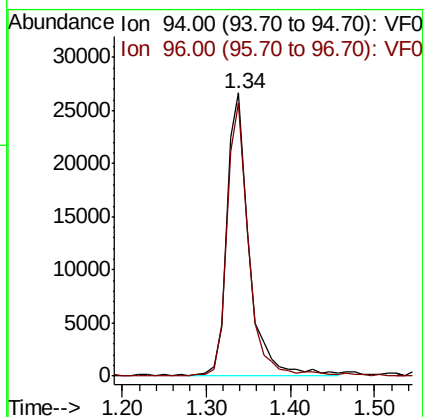
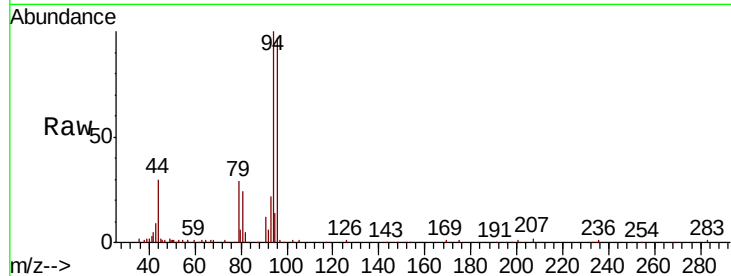
ClientSampleId :

Tot Ion: 94 Resp: 48904

Ion Ratio Lower Upper

94 100

96 96.7 73.6 110.4



#6

Chloroethane

Concen: 48.441 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059698.D

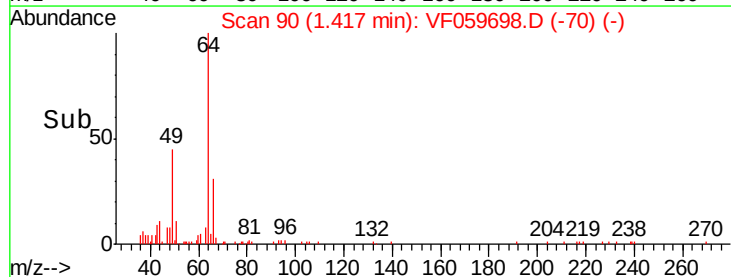
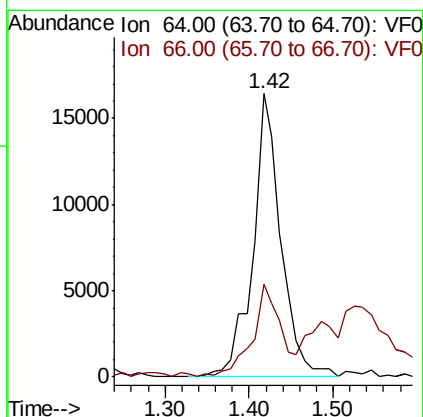
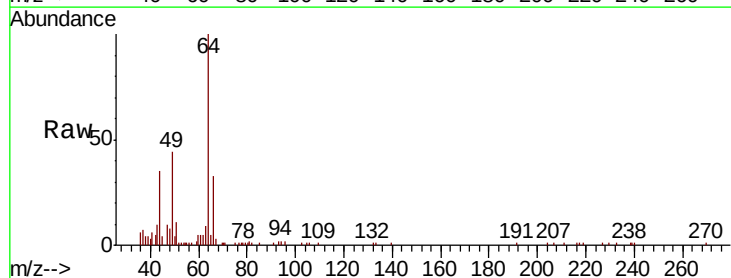
Acq: 30 Jul 2018 20:27

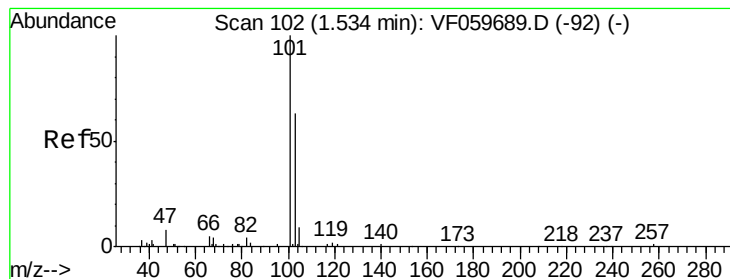
Tgt Ion: 64 Resp: 38469

Ion Ratio Lower Upper

64 100

66 32.5 32.6 49.0#



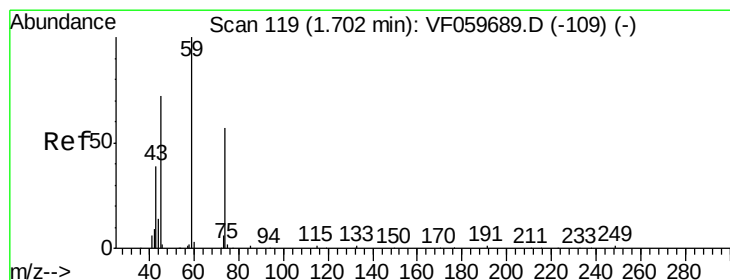
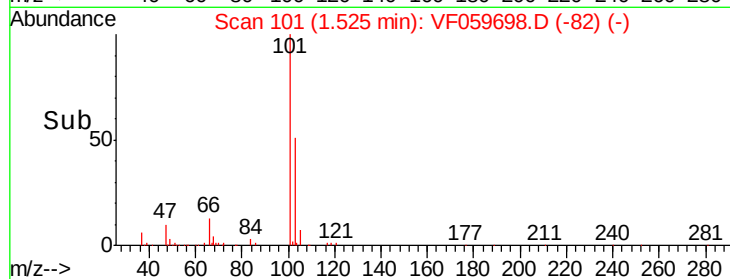
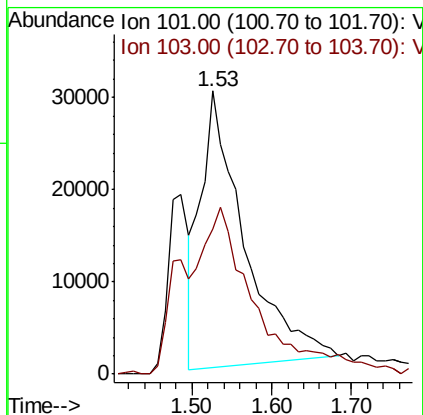
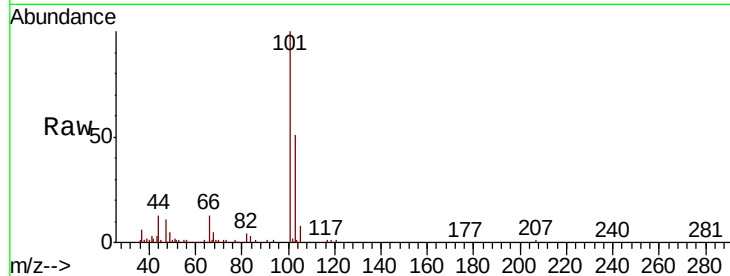


#7

Trichlorofluoromethane
Concen: 29.056 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :

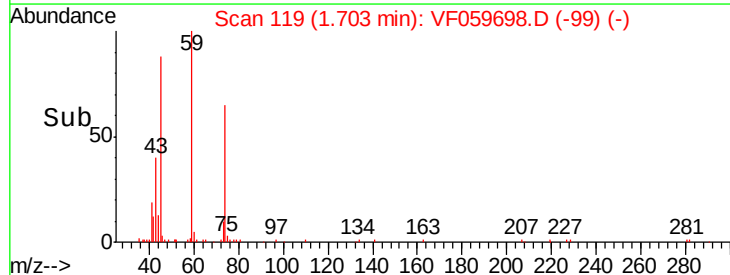
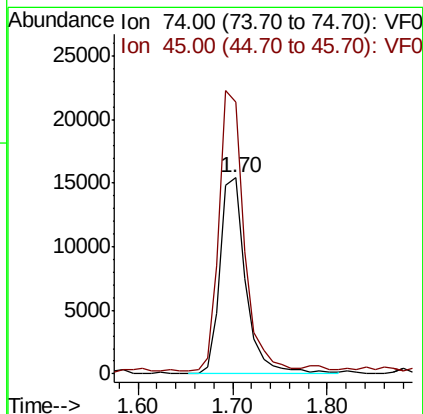
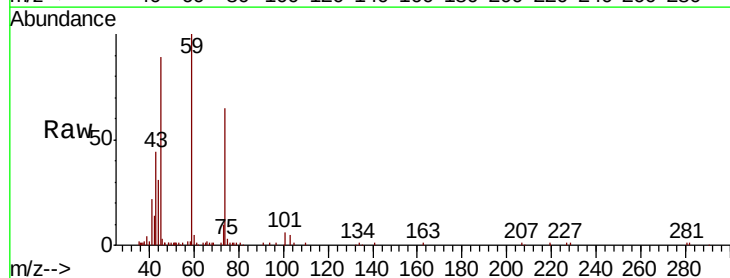
Tot Ion:101 Resp: 113931
Ion Ratio Lower Upper
101 100
103 51.3 50.8 76.2

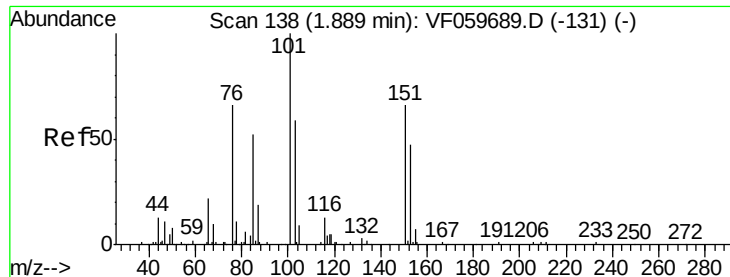


#8

Diethyl Ether
Concen: 43.680 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 74 Resp: 29286
Ion Ratio Lower Upper
74 100
45 138.4 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.731 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

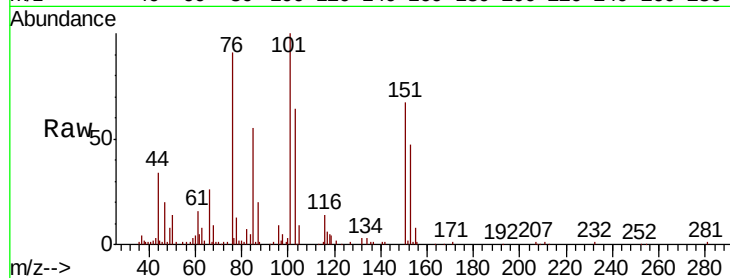
Tot Ion:101 Resp: 87757

Ion Ratio Lower Upper

101 100

85 55.0 40.7 61.1

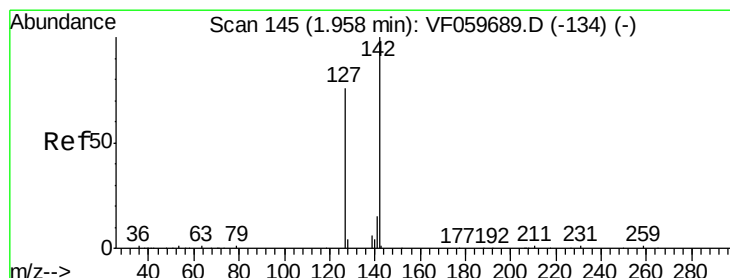
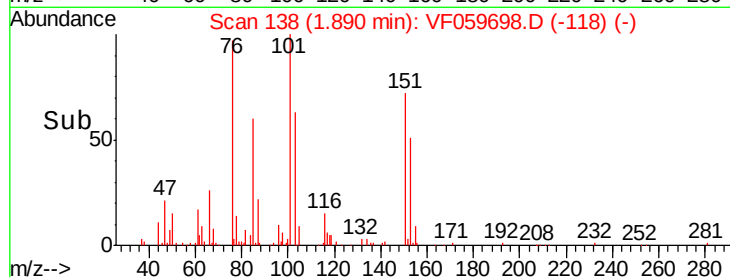
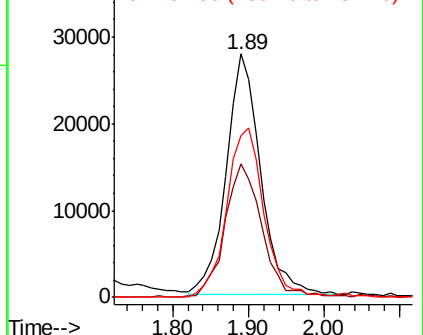
151 66.5 51.4 77.2



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: 49.625 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

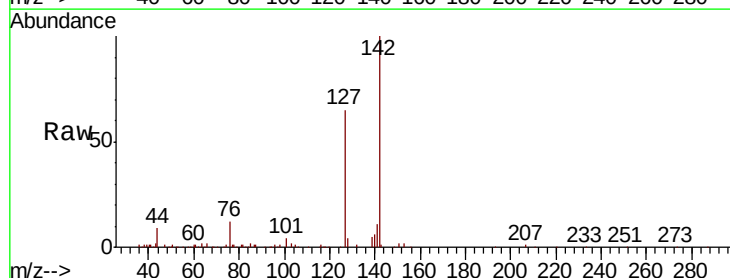
Tgt Ion:142 Resp: 143640

Ion Ratio Lower Upper

142 100

127 65.5 60.6 91.0

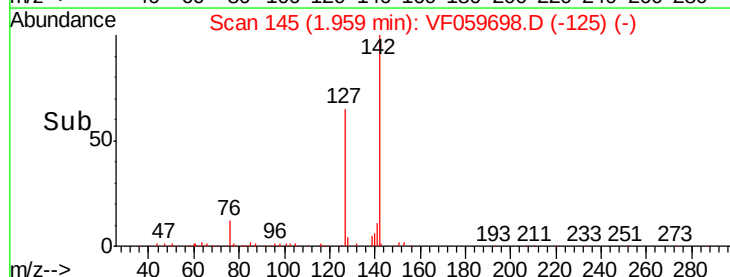
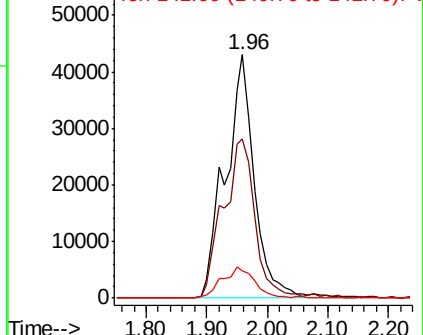
141 11.2 12.0 18.0#

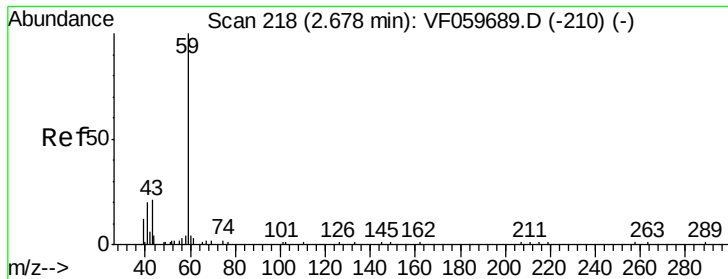


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

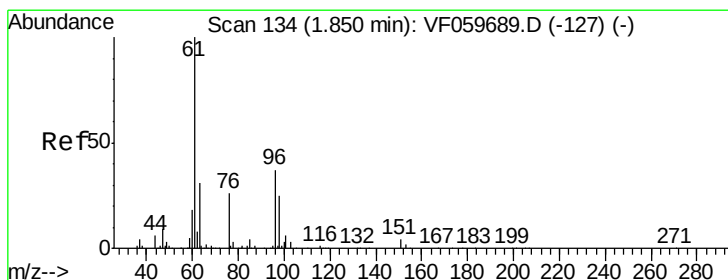
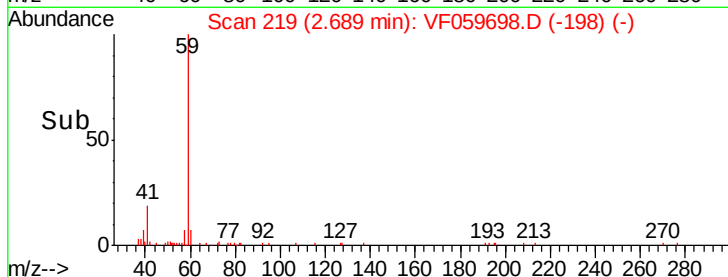
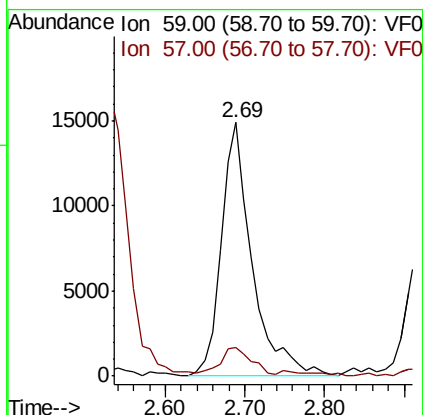
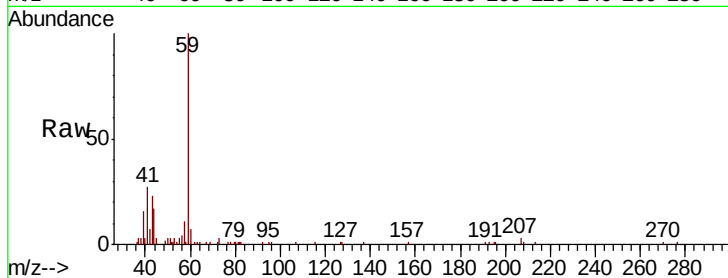




#11
Tert butyl alcohol
Concen: 265.903 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

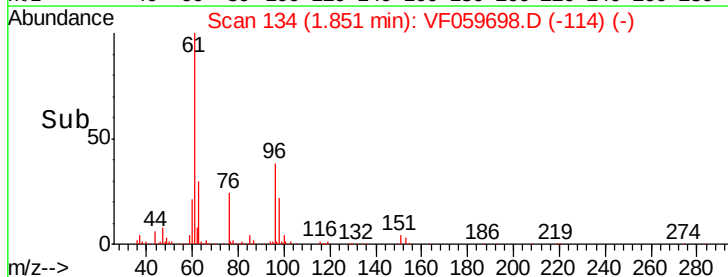
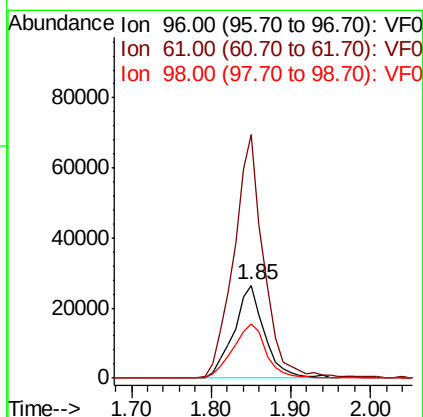
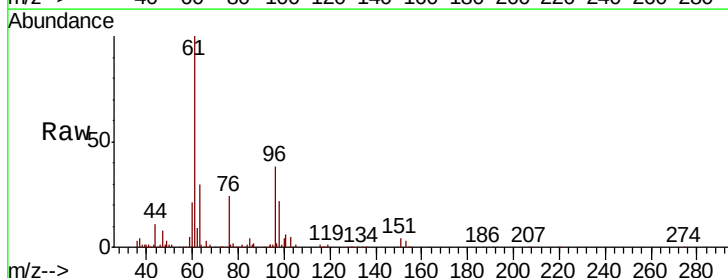
Instrument :
MSVOA_F
ClientSampleId :

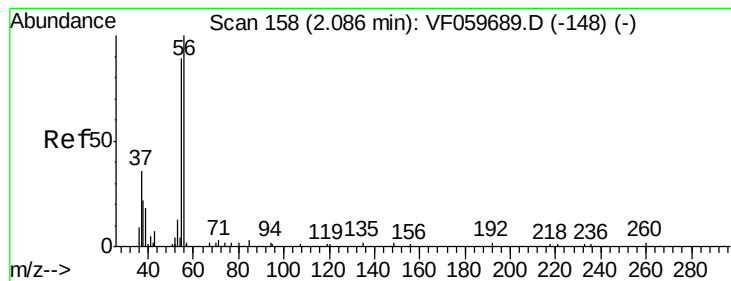
Tot Ion: 59 Resp: 40444
Ion Ratio Lower Upper
59 100
57 11.2 7.6 11.4



#12
1,1-Dichloroethene
Concen: 43.884 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 96 Resp: 71357
Ion Ratio Lower Upper
96 100
61 261.4 215.1 322.7
98 58.7 54.3 81.5





#13

Acrolein

Concen: 257.524 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

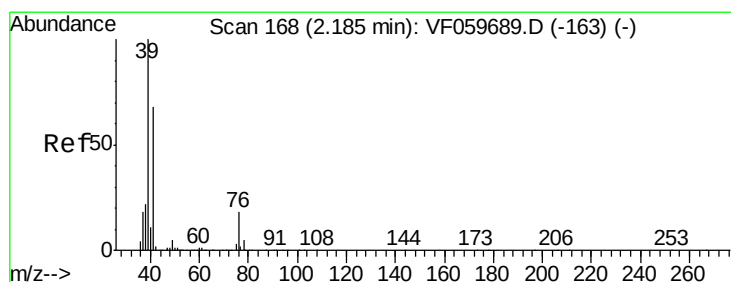
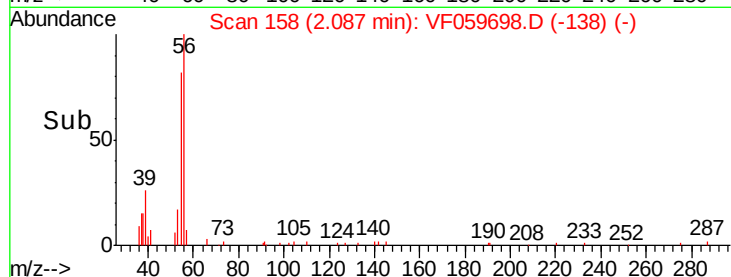
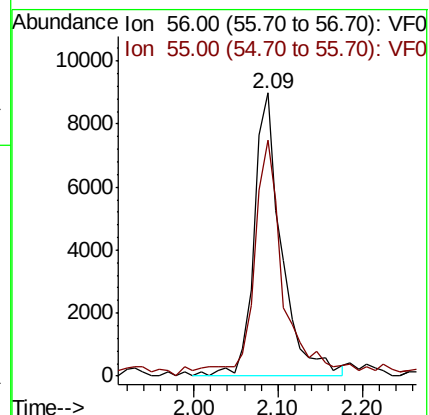
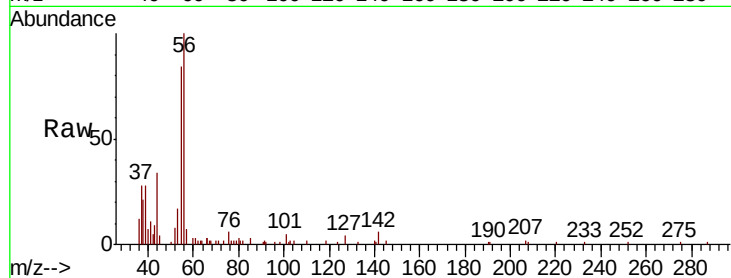
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 20565

Ion Ratio Lower Upper

56 100

55 83.6 73.2 109.8



#14

Allyl chloride

Concen: 45.573 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

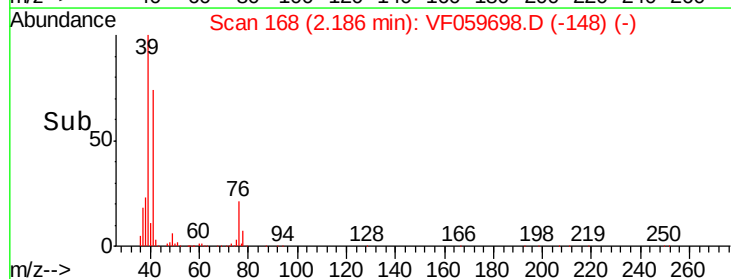
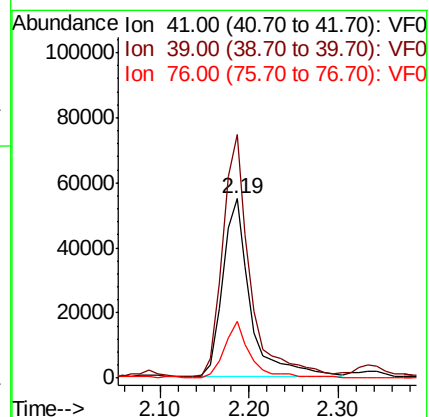
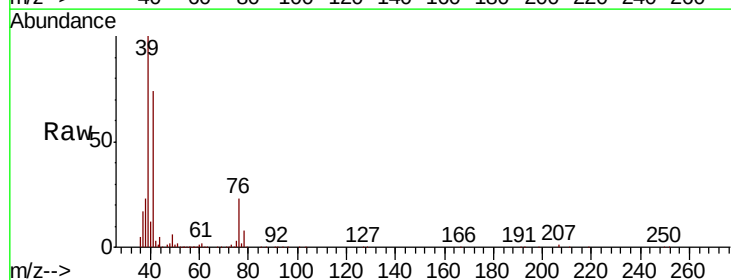
Tgt Ion: 41 Resp: 118315

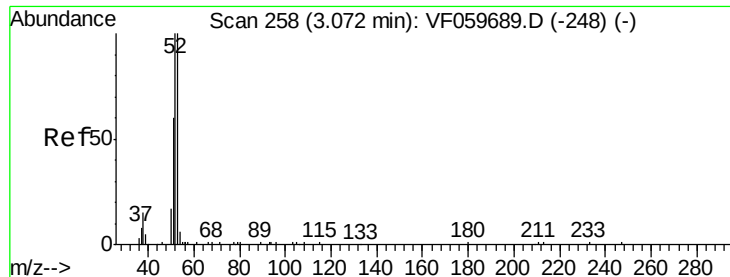
Ion Ratio Lower Upper

41 100

39 135.8 118.1 177.1

76 31.5 22.0 33.0





#15

Acrylonitrile

Concen: 263.584 ug/l

RT: 3.07 min Scan# 258

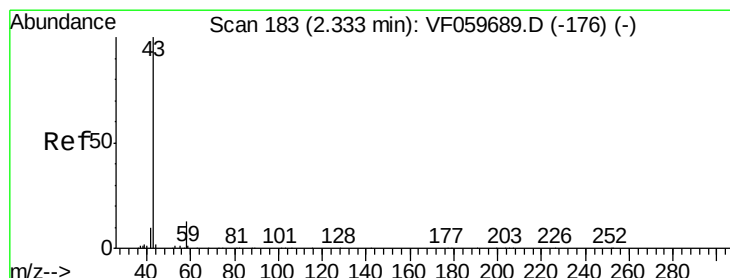
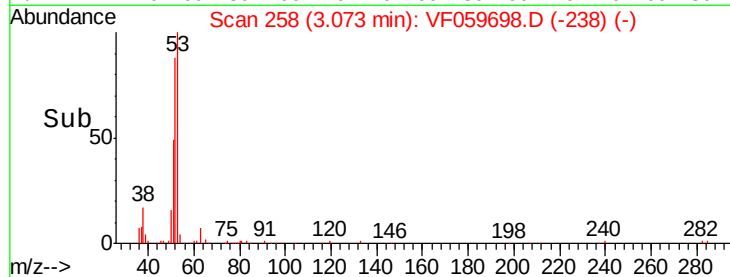
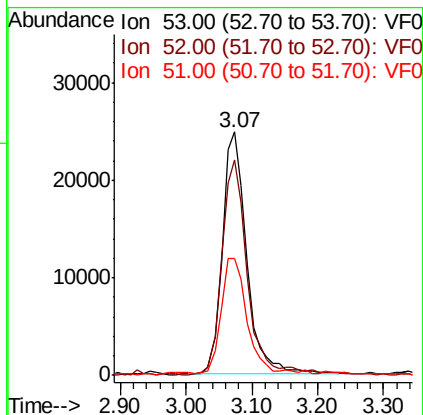
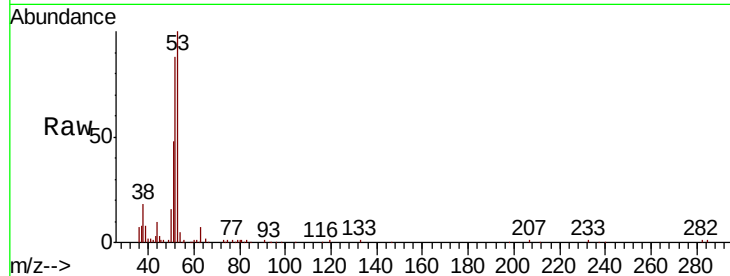
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	64268
Ion	Ratio	Lower	Upper
53	100		
52	88.3	80.3	120.5
51	48.2	49.4	74.0#



#16

Acetone

Concen: 219.002 ug/l

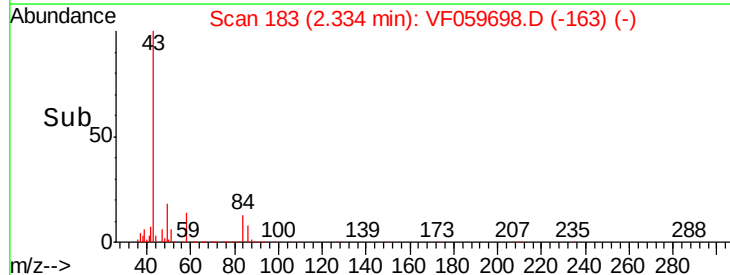
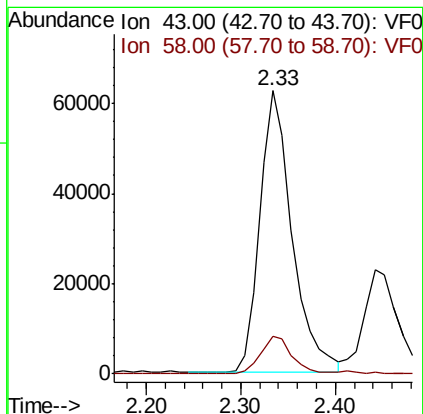
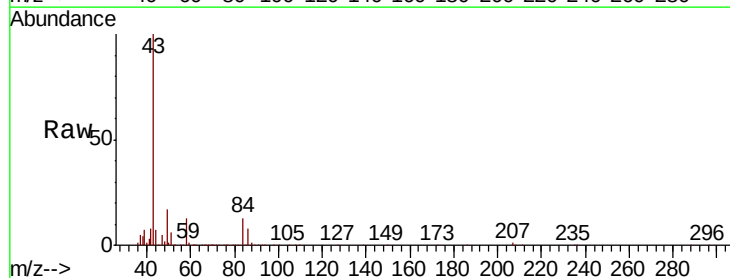
RT: 2.33 min Scan# 183

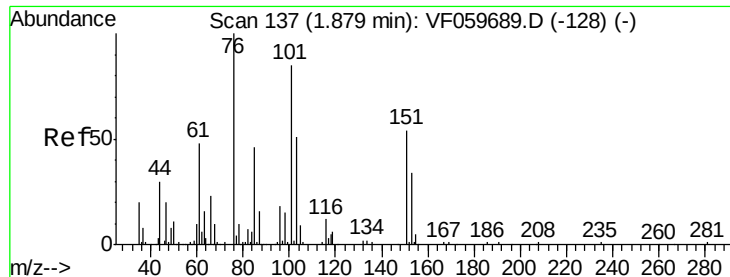
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	43	Resp:	148650
Ion	Ratio	Lower	Upper
43	100		
58	13.4	10.1	15.1





#17

Carbon Disulfide

Concen: 29.906 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

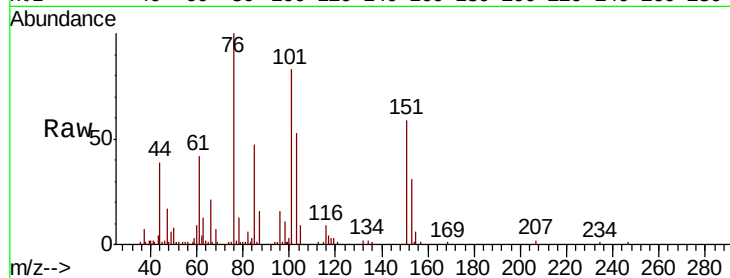
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 106843

Ion Ratio Lower Upper

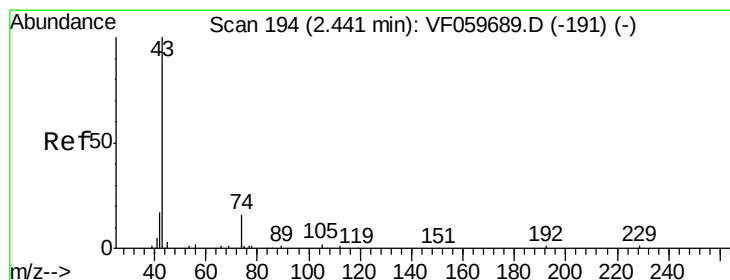
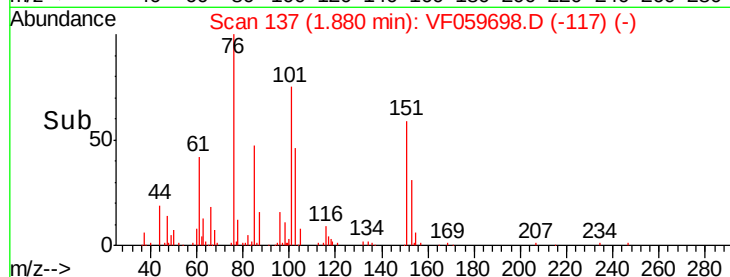
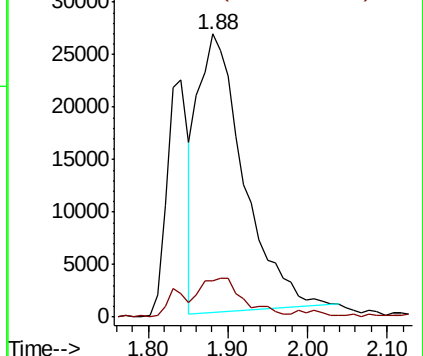
76 100

78 12.7 8.9 13.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 49.113 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059698.D

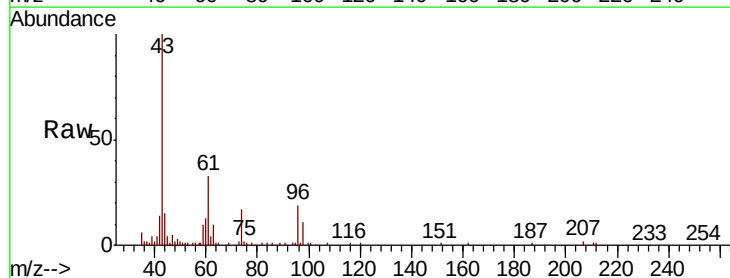
Acq: 30 Jul 2018 20:27

Tgt Ion: 43 Resp: 51836

Ion Ratio Lower Upper

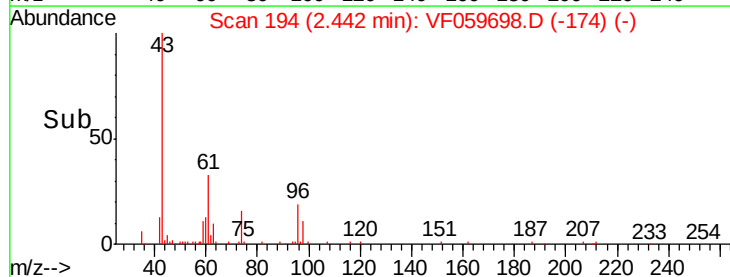
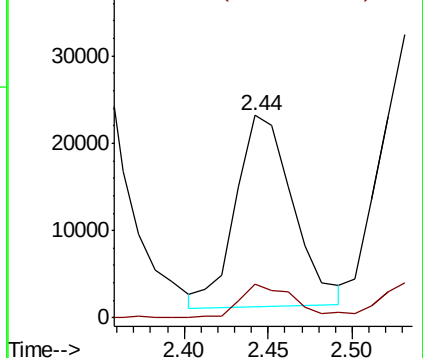
43 100

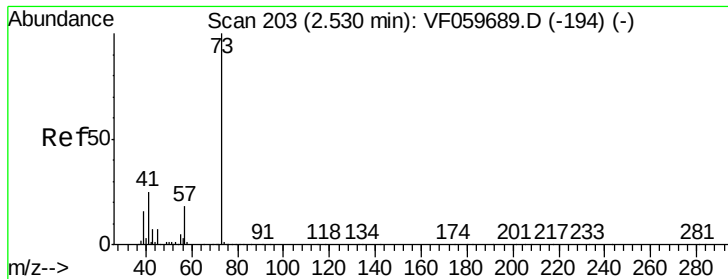
74 16.9 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



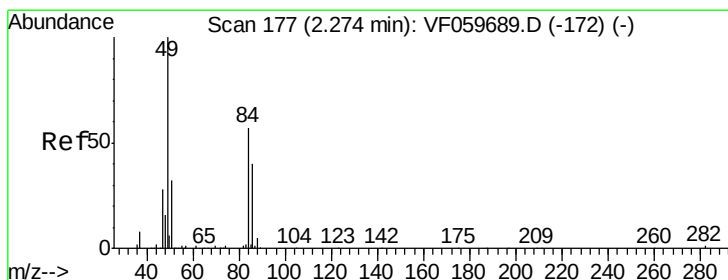
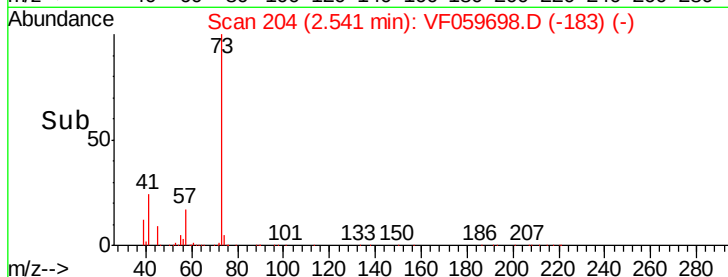
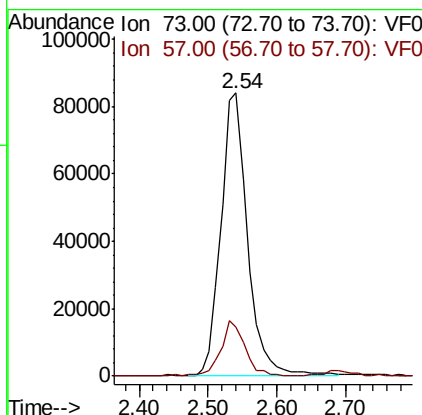
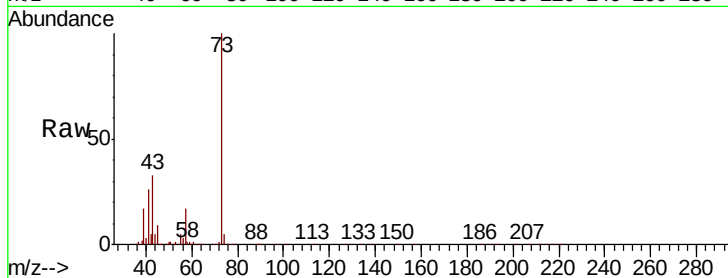


#19

Methyl tert-butyl Ether
 Concen: 45.626 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :

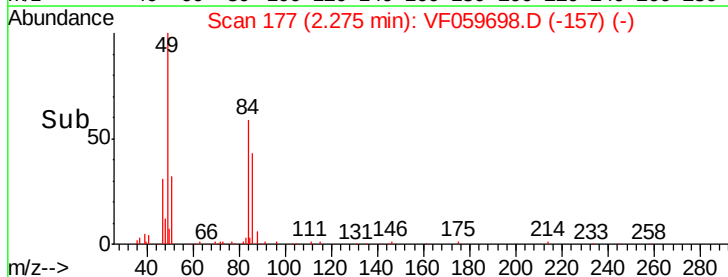
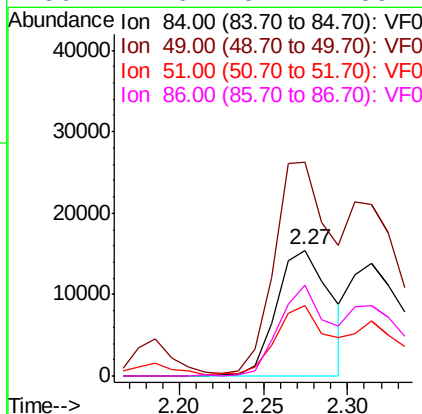
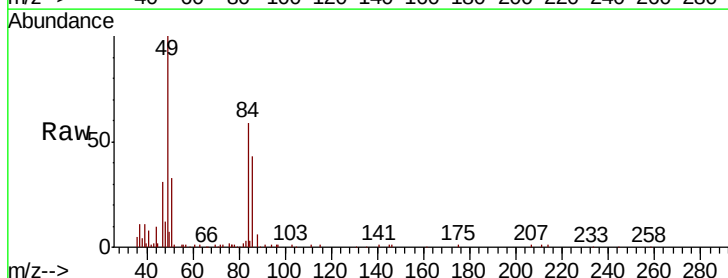
Tot Ion: 73 Resp: 226249
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.2 21.2

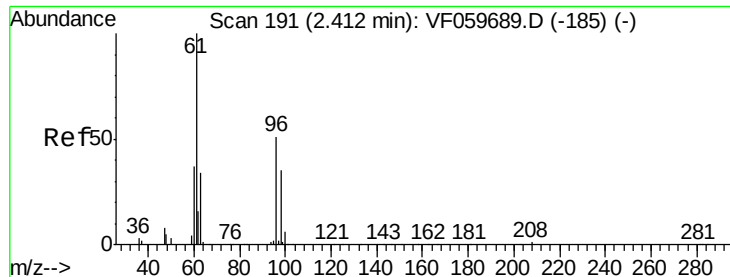


#20

Methylene Chloride
 Concen: 18.822 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion: 84 Resp: 34413
 Ion Ratio Lower Upper
 84 100
 49 169.9 142.2 213.4
 51 55.7 46.2 69.2
 86 72.6 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 47.845 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

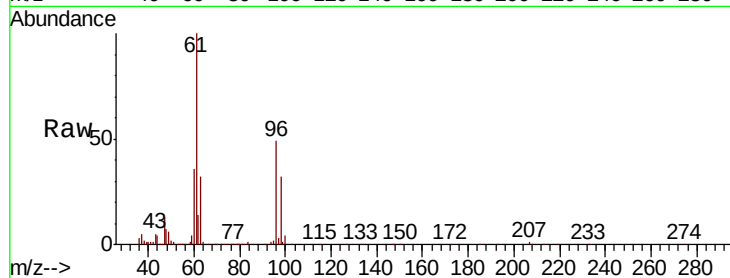
Tot Ion: 96 Resp: 68262

Ion Ratio Lower Upper

96 100

61 205.0 157.4 236.0

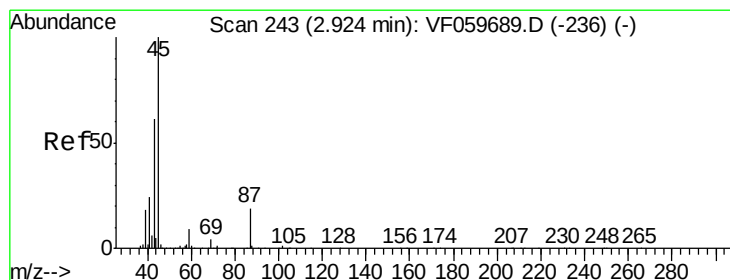
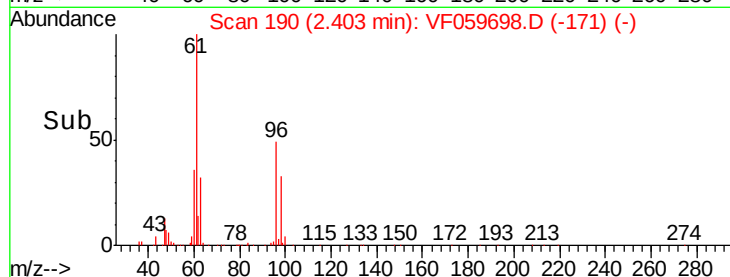
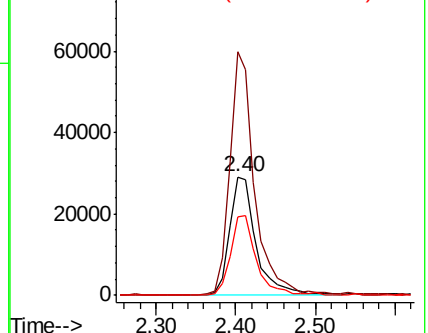
98 66.3 55.0 82.4



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: 45.409 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion: 45 Resp: 249304

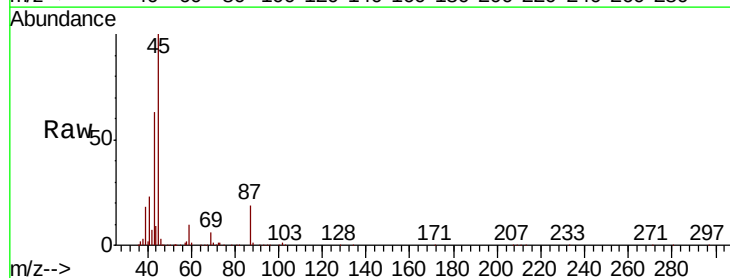
Ion Ratio Lower Upper

45 100

43 63.0 49.3 73.9

87 18.6 15.3 22.9

59 10.3 7.1 10.7

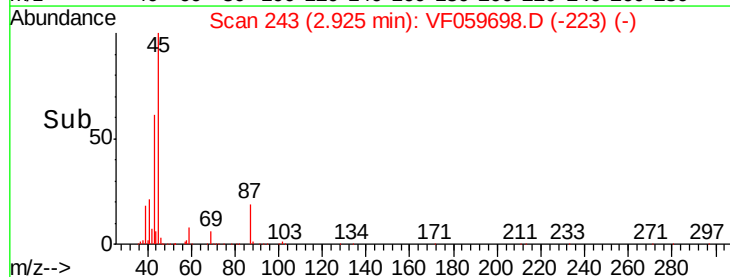
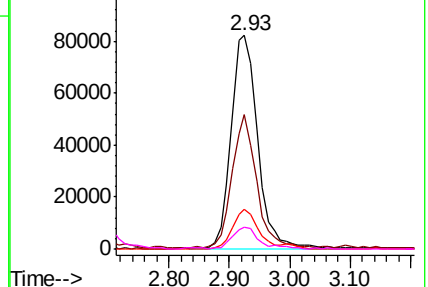


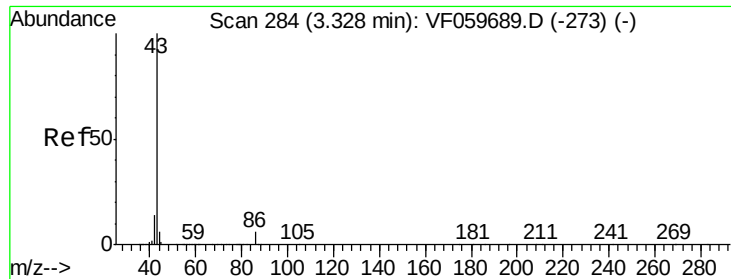
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 257.735 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

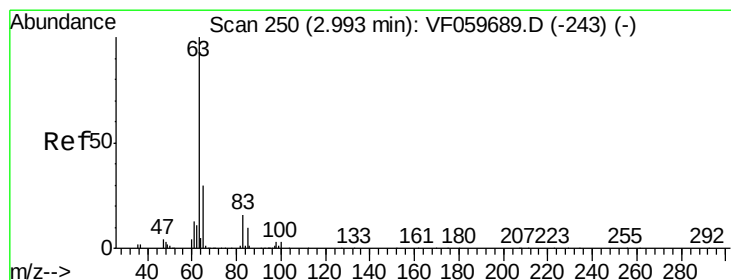
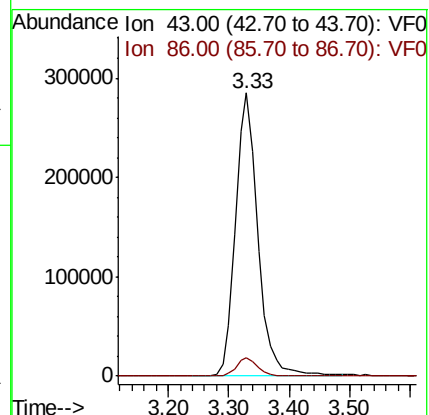
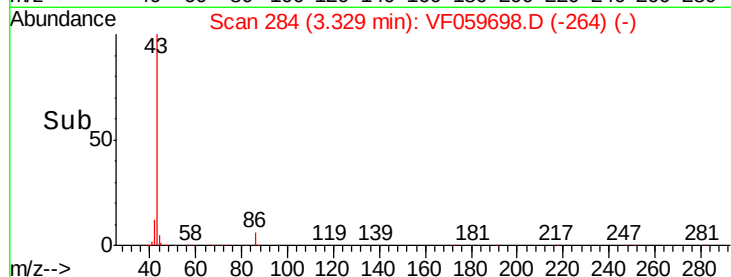
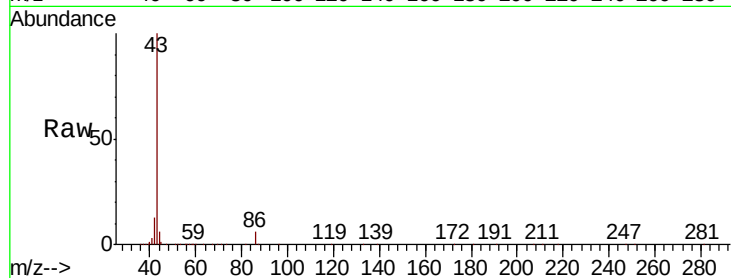
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 727488

Ion Ratio Lower Upper

43 100

86 6.3 4.6 6.8



#24

1,1-Dichloroethane

Concen: 45.459 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

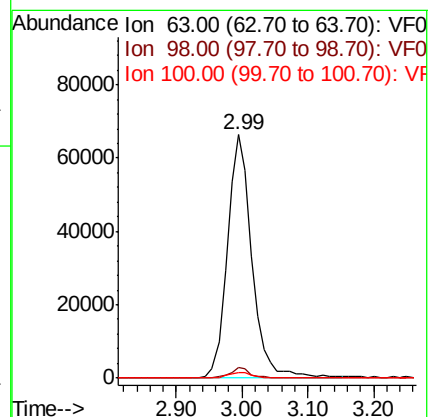
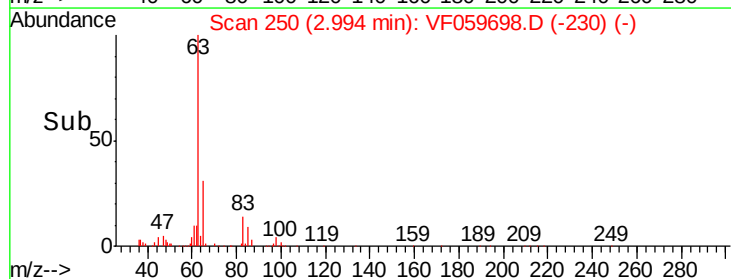
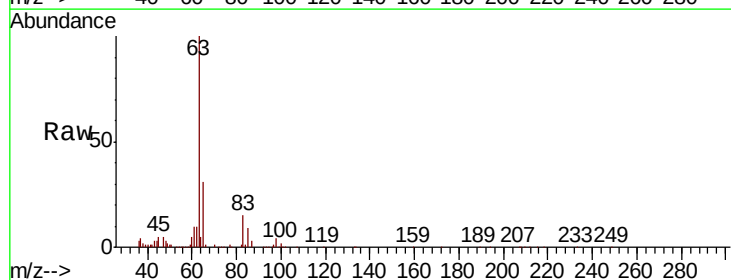
Tgt Ion: 63 Resp: 173393

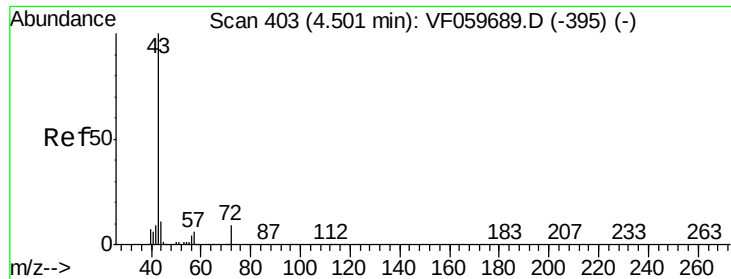
Ion Ratio Lower Upper

63 100

98 4.5 1.4 4.2#

100 2.2 1.6 4.7





#25

2-Butanone

Concen: 220.375 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

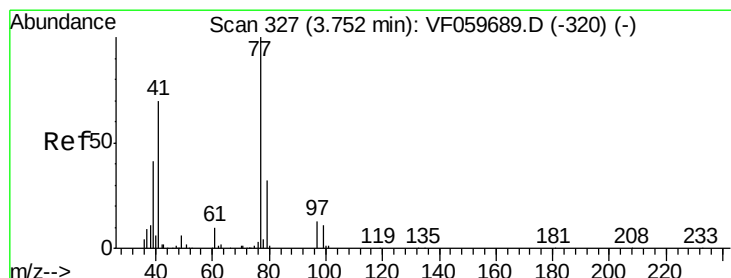
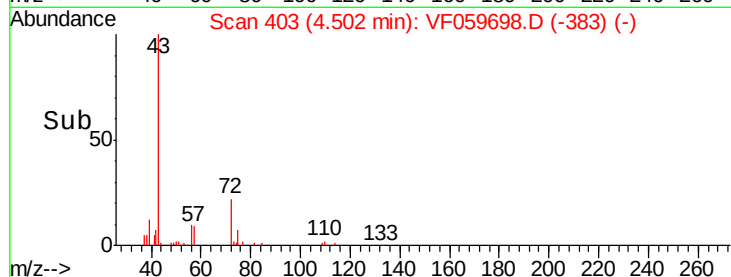
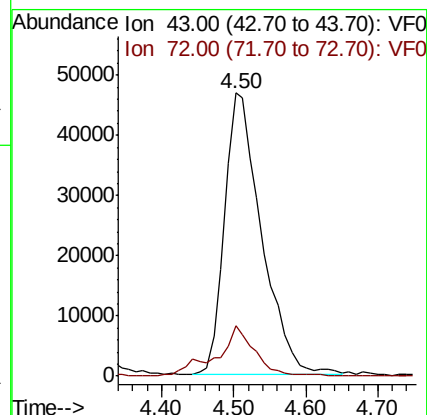
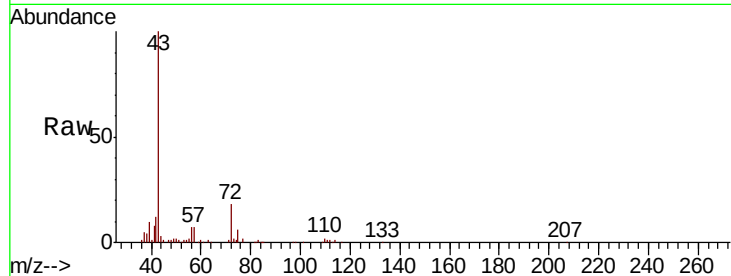
ClientSampleId :

Tot Ion: 43 Resp: 166933

Ion Ratio Lower Upper

43 100

72 17.8 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 42.747 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059698.D

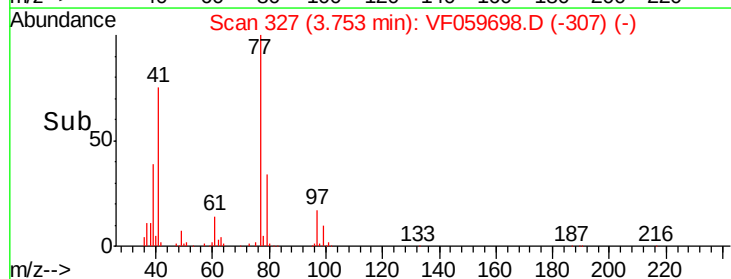
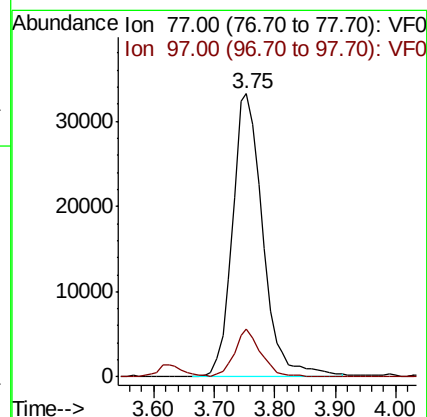
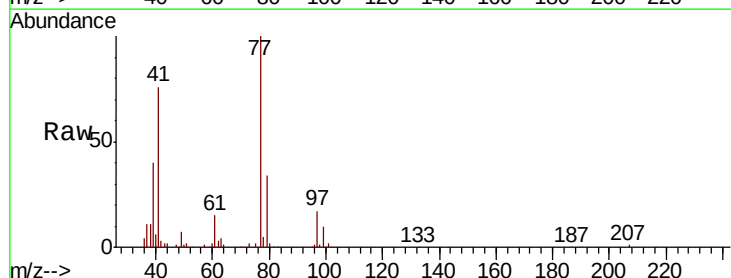
Acq: 30 Jul 2018 20:27

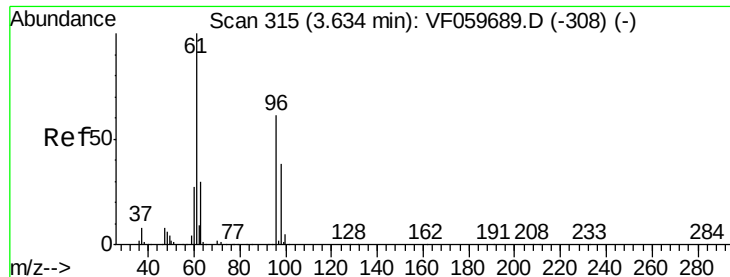
Tgt Ion: 77 Resp: 116232

Ion Ratio Lower Upper

77 100

97 18.1 6.8 20.4



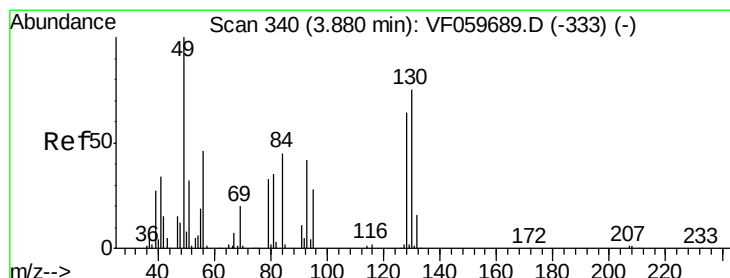
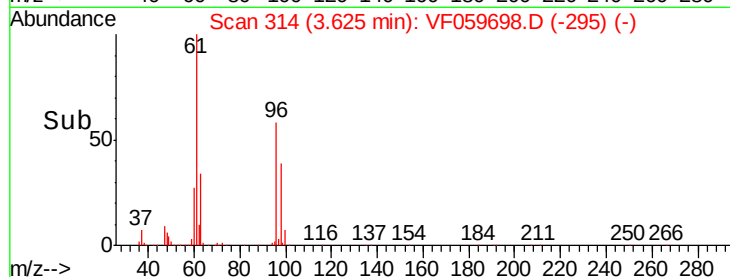
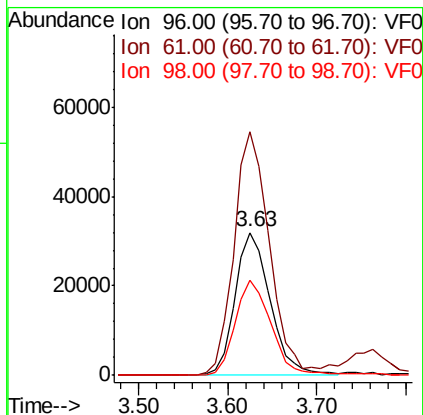
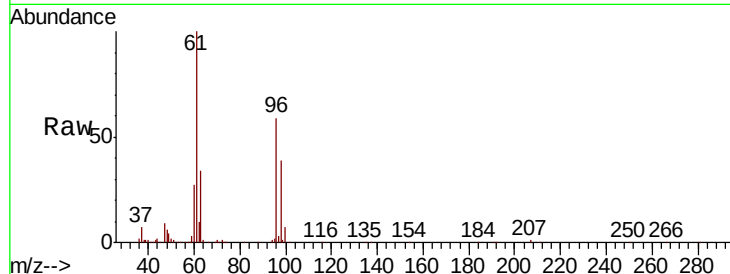


#27

cis-1,2-Dichloroethene
 Concen: 43.150 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :

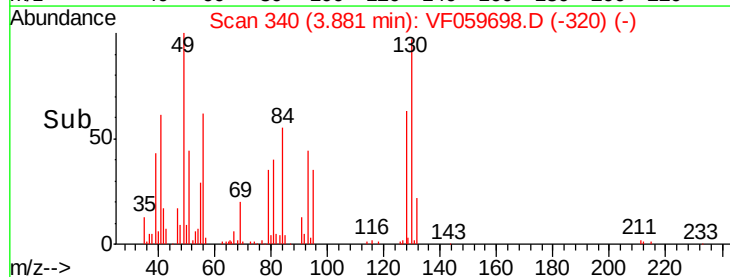
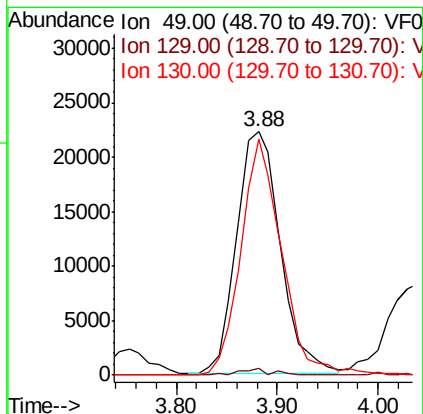
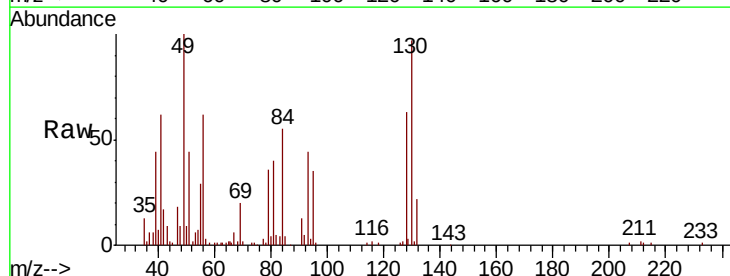
Tot Ion	Ratio	Lower	Upper
96	100		
61	170.4	0.0	326.8
98	66.7	0.0	125.2

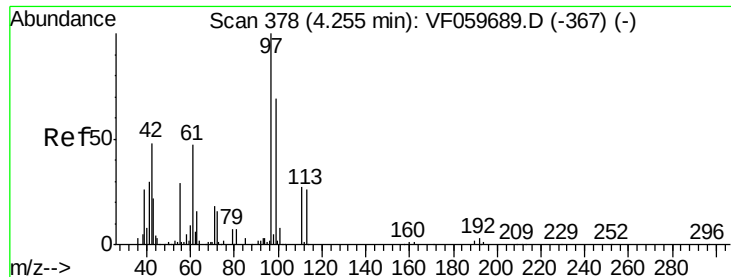


#28

Bromochloromethane
 Concen: 50.403 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	96.7	59.6	89.4#

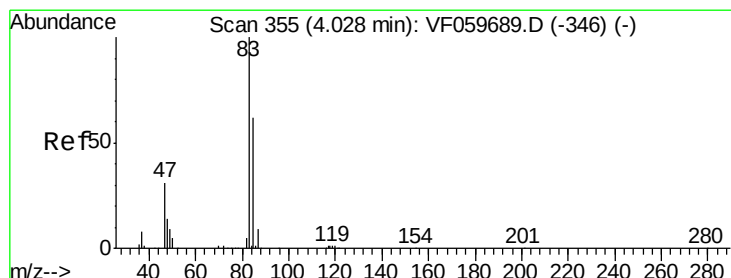
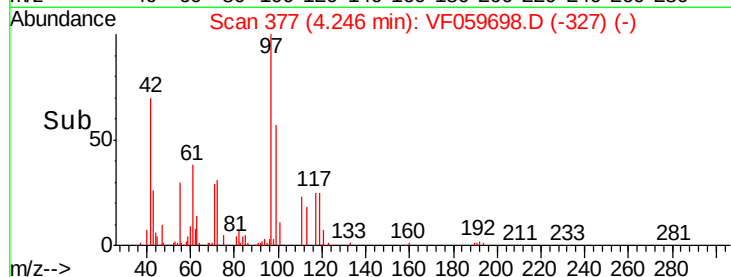
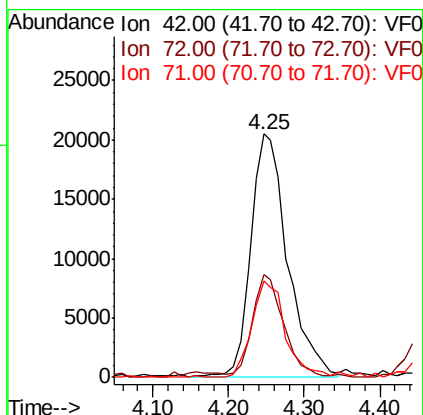
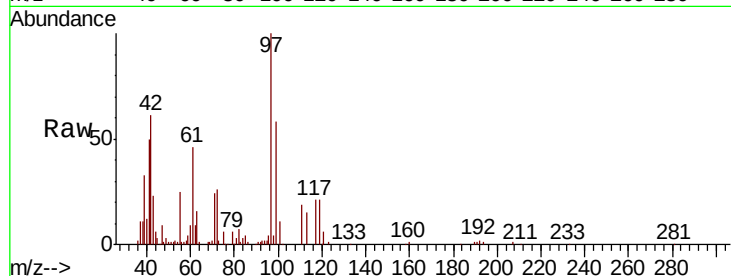




#29
Tetrahydrofuran
Concen: 238.447 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

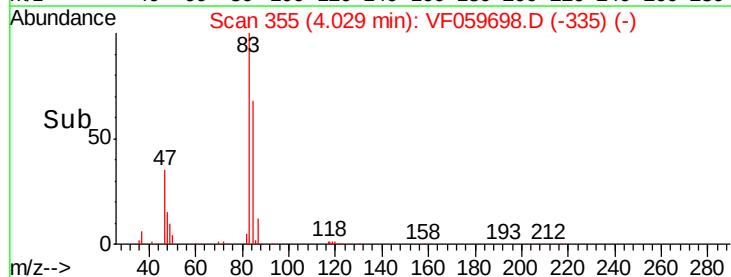
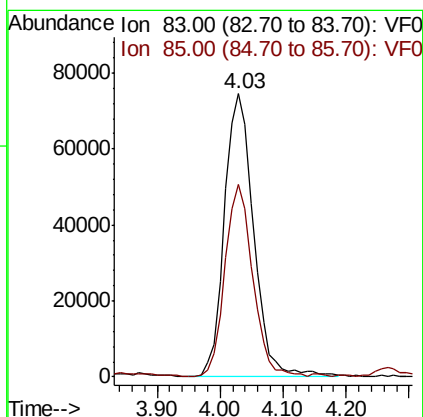
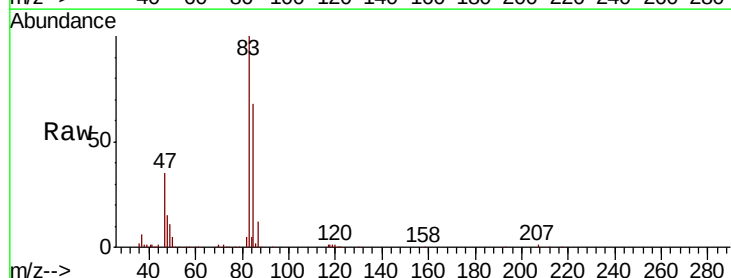
Instrument :
MSVOA_F
ClientSampled :

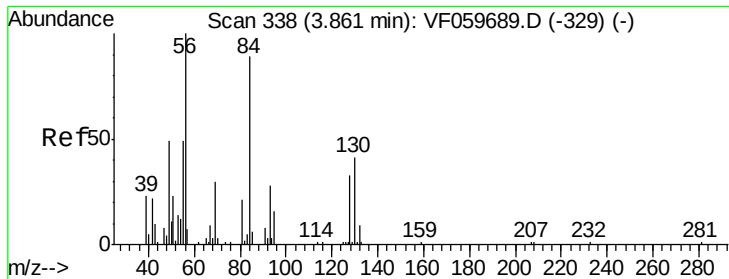
Tot Ion: 42 Resp: 69421
Ion Ratio Lower Upper
42 100
72 34.7 27.0 40.6
71 35.9 29.7 44.5



#30
Chloroform
Concen: 44.277 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 83 Resp: 238358
Ion Ratio Lower Upper
83 100
85 68.2 49.4 74.0





#31

Cyclohexane

Concen: 48.660 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.02 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

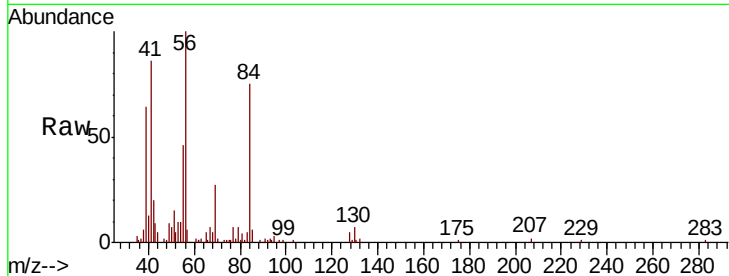
Tot Ion: 56 Resp: 90159

Ion Ratio Lower Upper

56 100

69 27.1 23.7 35.5

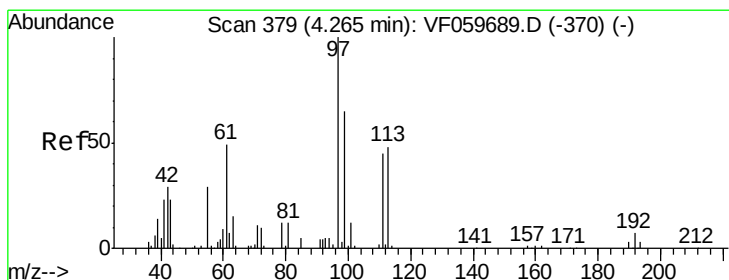
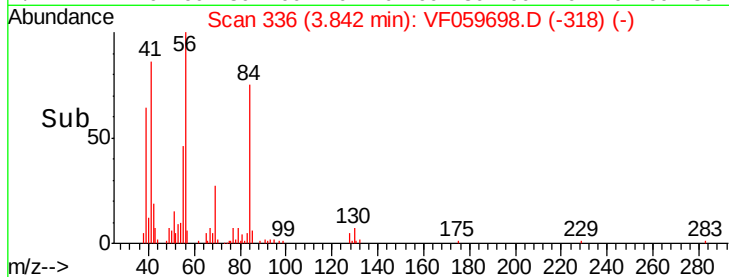
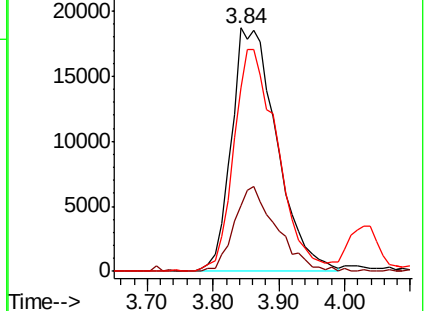
84 75.1 71.1 106.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 43.531 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

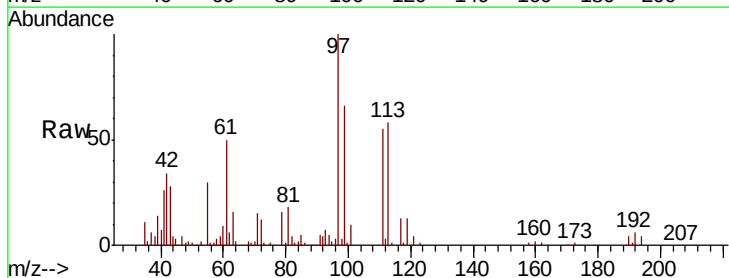
Tgt Ion: 97 Resp: 181773

Ion Ratio Lower Upper

97 100

99 65.6 52.4 78.6

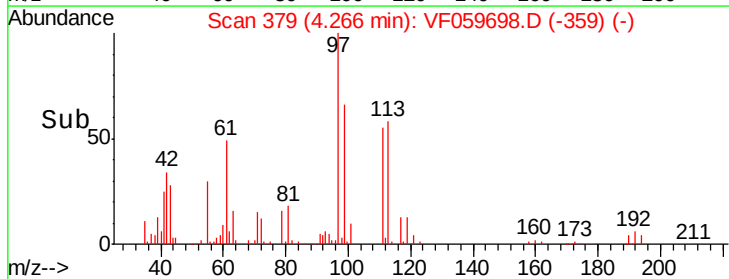
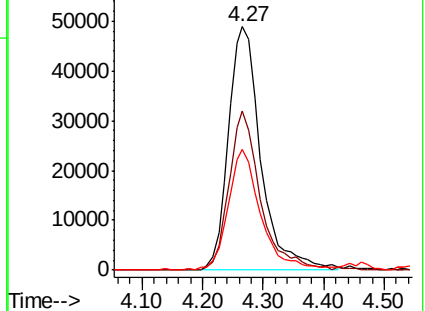
61 49.6 39.7 59.5

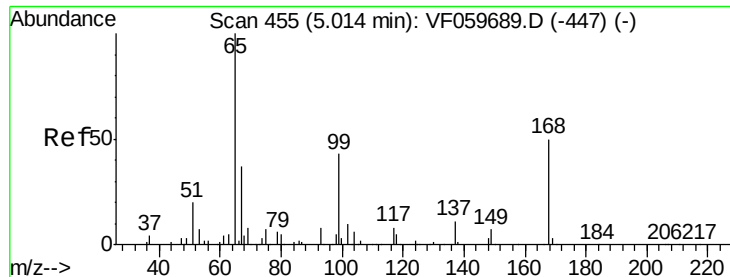


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.943 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

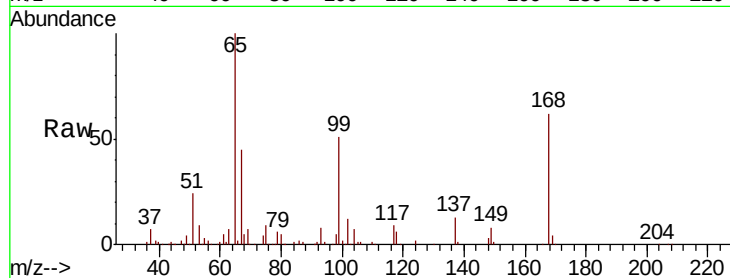
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 173370

Ion Ratio Lower Upper

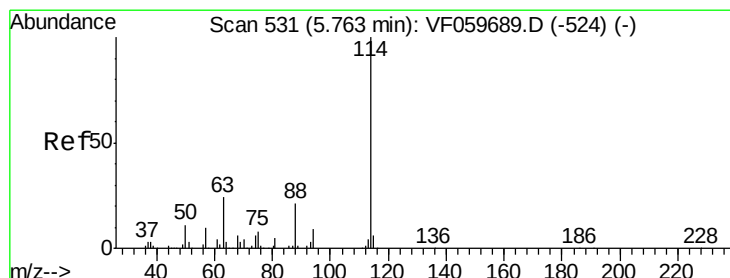
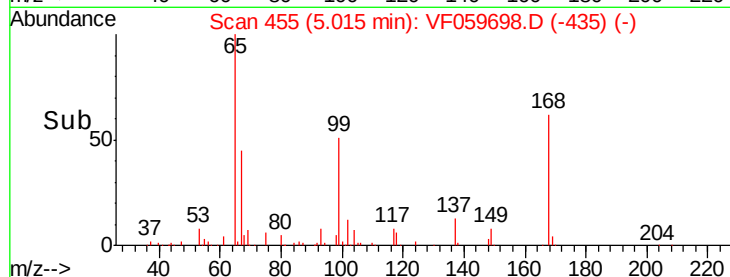
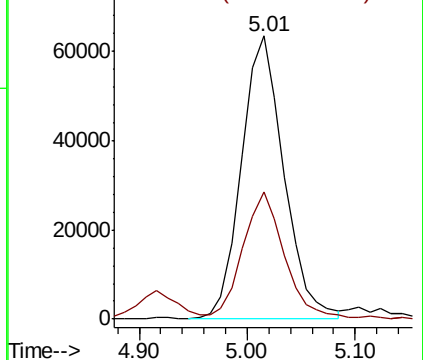
65 100

67 45.0 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

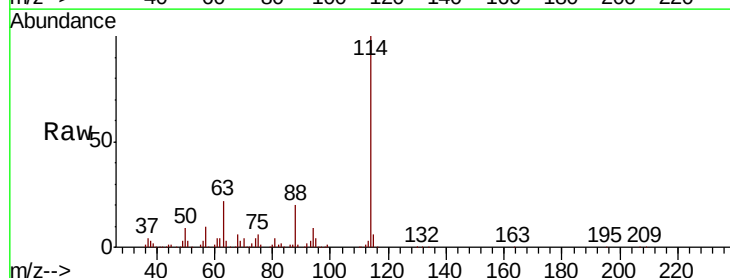
Tgt Ion: 114 Resp: 299947

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.4

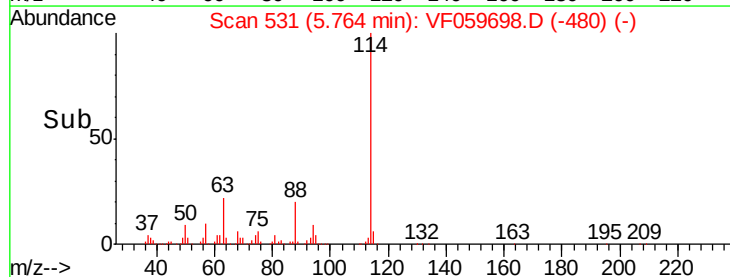
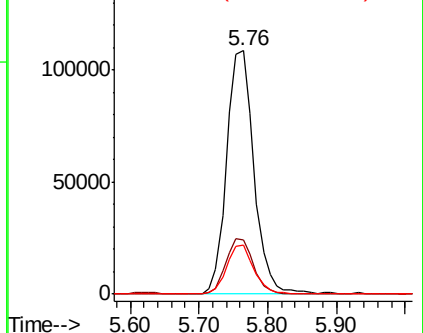
88 20.0 0.0 41.2

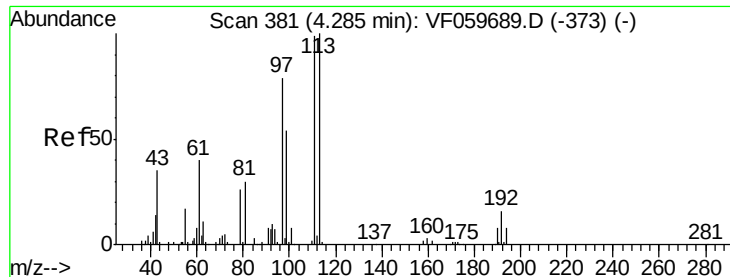


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

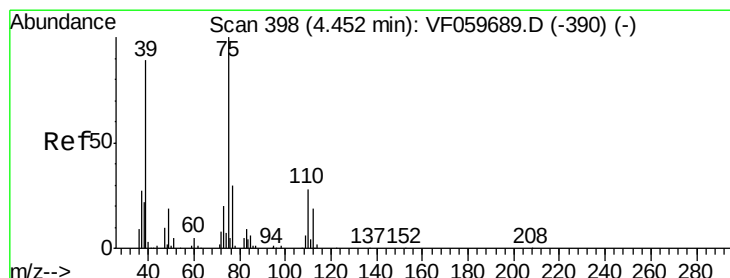
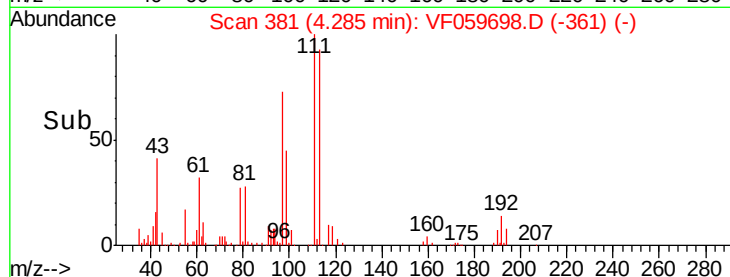
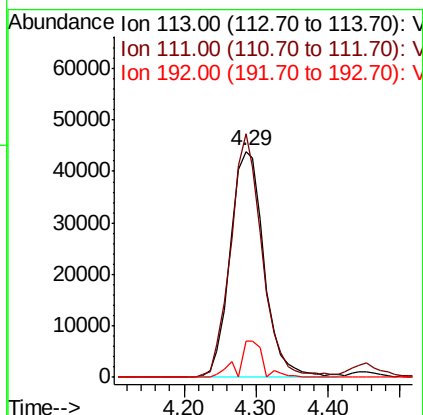
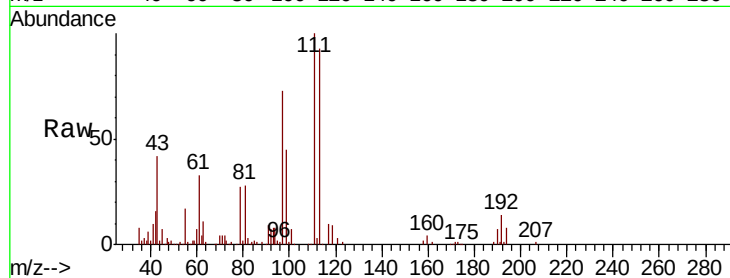




#35
 Dibromofluoromethane
 Concen: 46.241 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

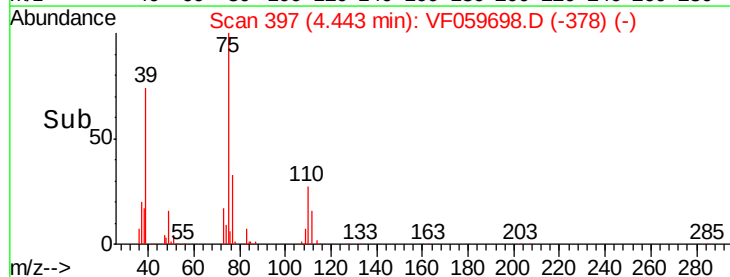
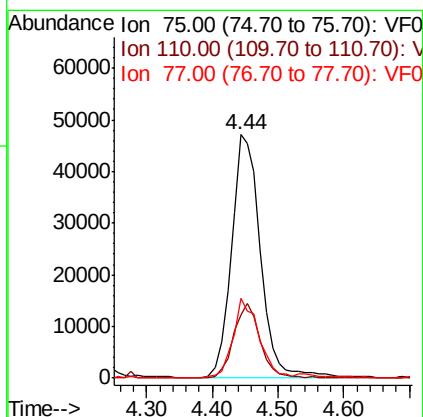
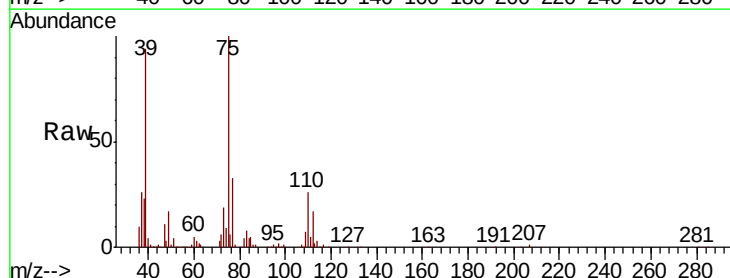
Instrument :
 MSVOA_F
 ClientSampleId :

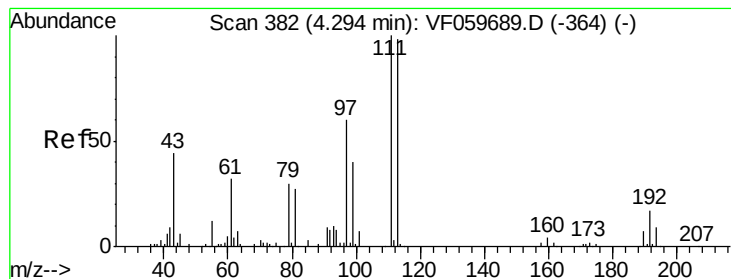
Tot Ion:113 Resp: 144061
 Ion Ratio Lower Upper
 113 100
 111 107.6 79.0 118.4
 192 15.9 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: 47.017 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion: 75 Resp: 143484
 Ion Ratio Lower Upper
 75 100
 110 26.1 14.0 41.9
 77 33.0 24.2 36.2





#37

Ethyl Acetate

Concen: 47.419 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

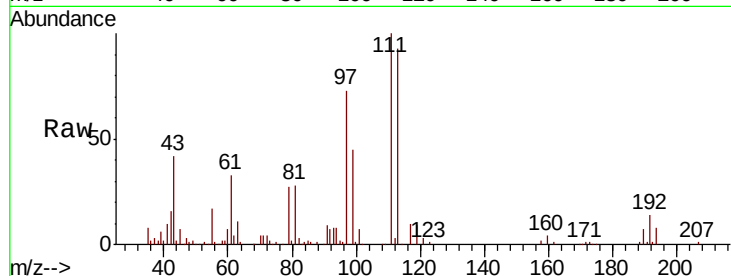
Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

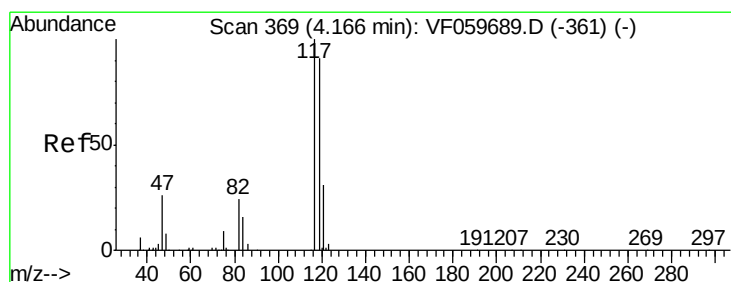
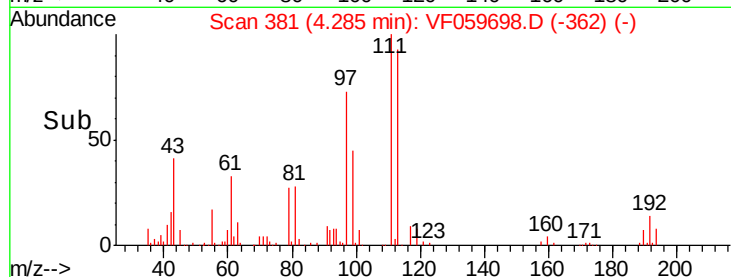
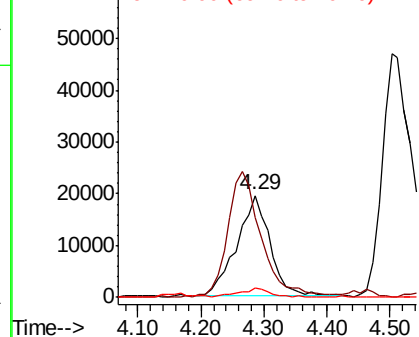
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 71337

Ion	Ratio	Lower	Upper
43	100		
61	78.6	58.2	87.2
70	9.3	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: 42.463 ug/l

RT: 4.17 min Scan# 369

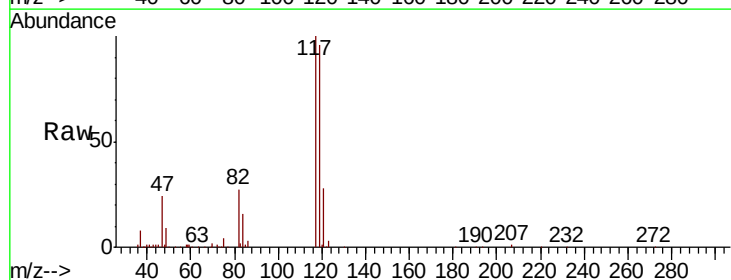
Delta R.T. 0.00 min

Lab File: VF059698.D

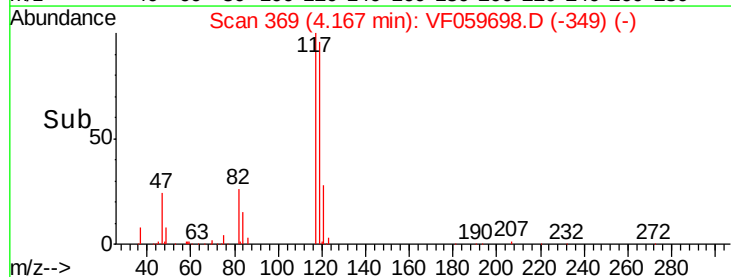
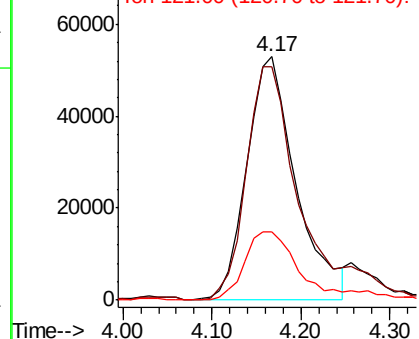
Acq: 30 Jul 2018 20:27

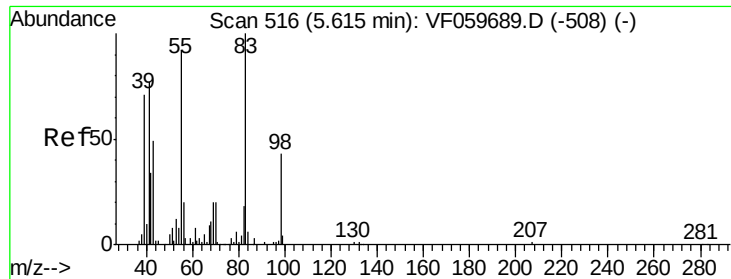
Tgt Ion: 117 Resp: 202505

Ion	Ratio	Lower	Upper
117	100		
119	95.9	72.9	109.3
121	28.1	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

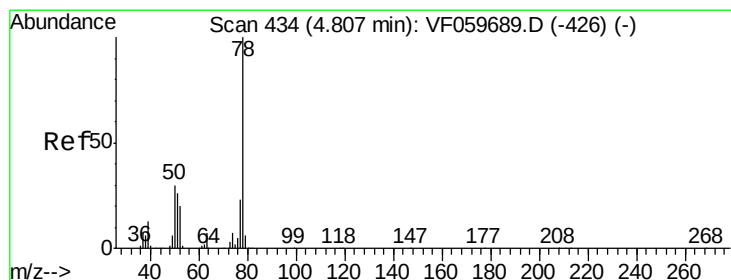
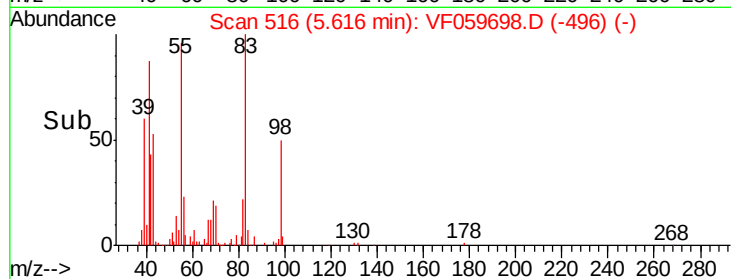
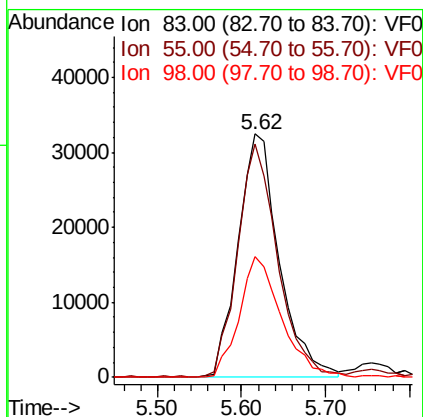
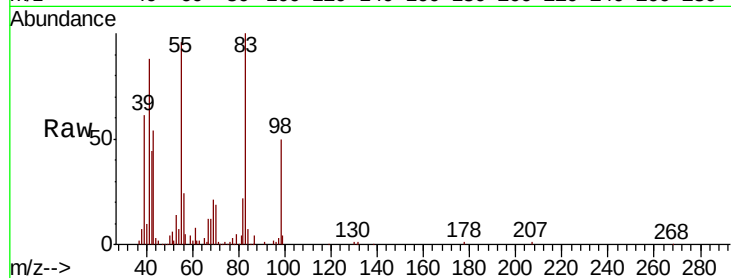




#39
Methylvlcyclohexane
Concen: 47.828 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

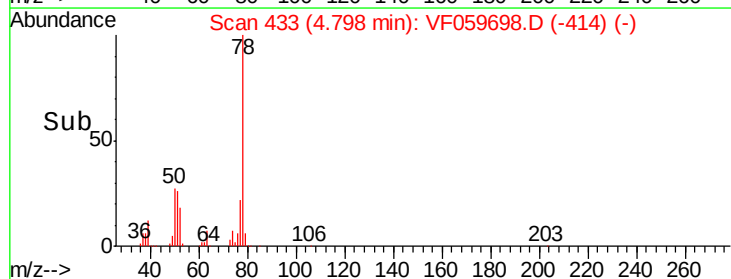
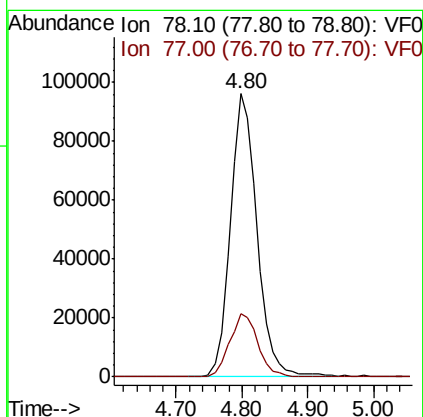
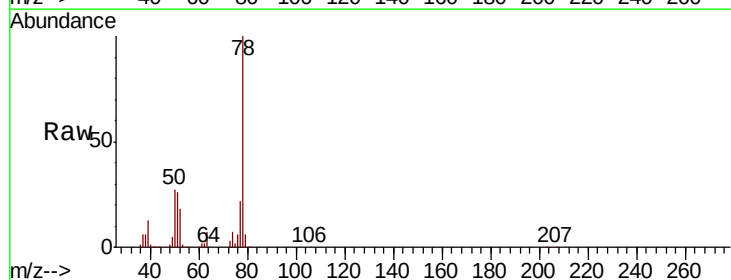
Instrument :
MSVOA_F
ClientSampleId :

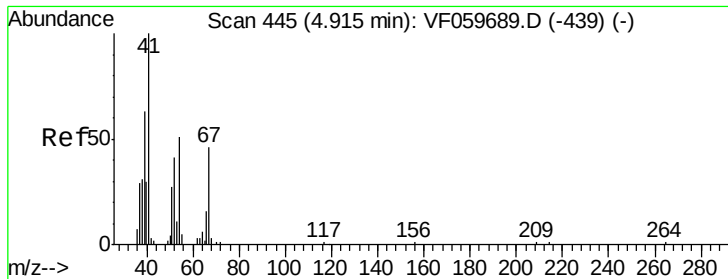
Tot Ion: 83 Resp: 111170
Ion Ratio Lower Upper
83 100
55 95.8 73.4 110.2
98 49.8 34.2 51.4



#40
Benzene
Concen: 45.117 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 78 Resp: 273286
Ion Ratio Lower Upper
78 100
77 22.5 18.9 28.3

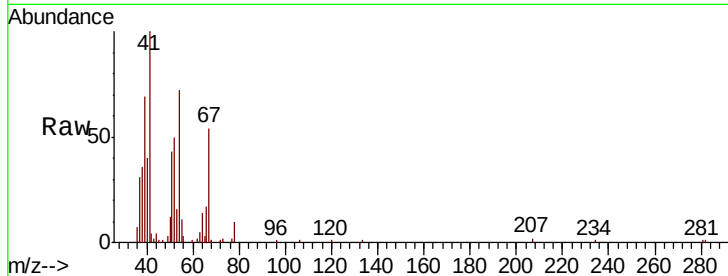




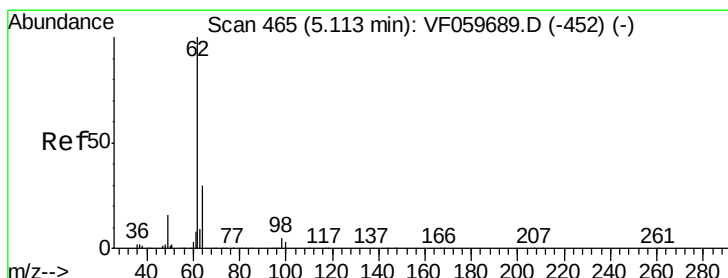
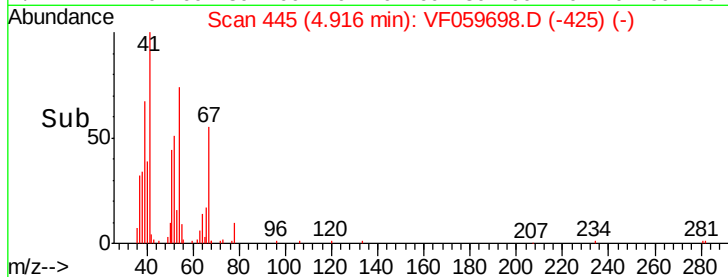
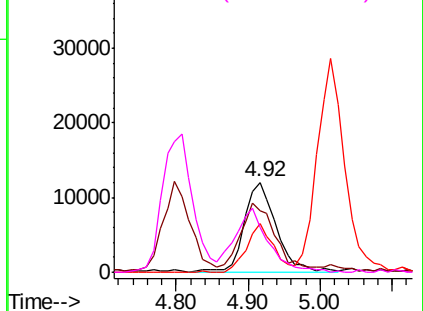
#41
Methacrylonitrile
Concen: 49.676 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	37523
Ion	Ratio	Lower	Upper
41	100		
39	68.6	55.2	82.8
67	54.0	36.2	54.2
52	50.2	37.7	56.5

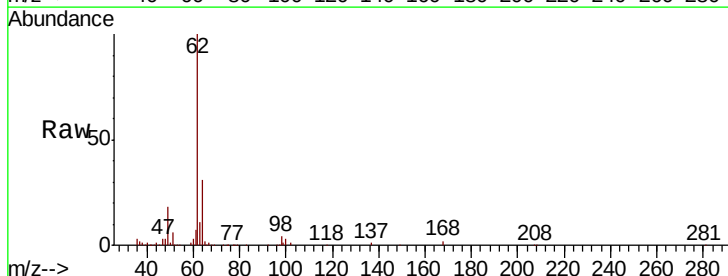


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

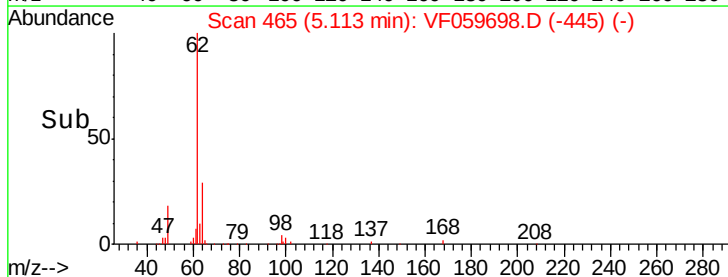
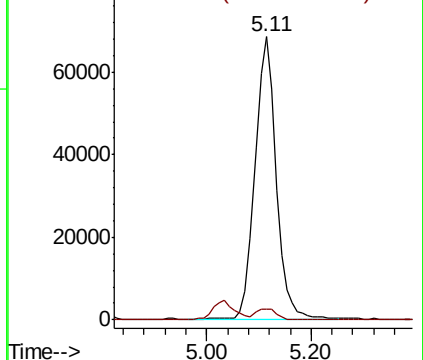


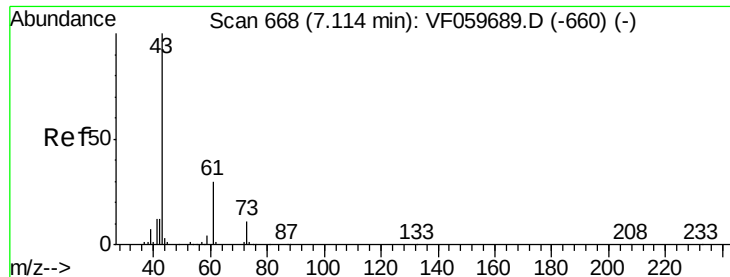
#42
1,2-Dichloroethane
Concen: 45.130 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion:	62	Resp:	191315
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 45.961 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

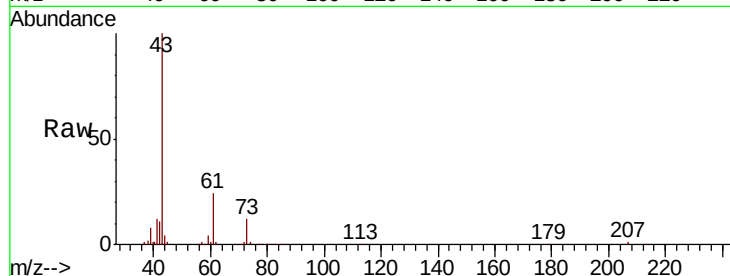
Tot Ion: 43 Resp: 82433

Ion Ratio Lower Upper

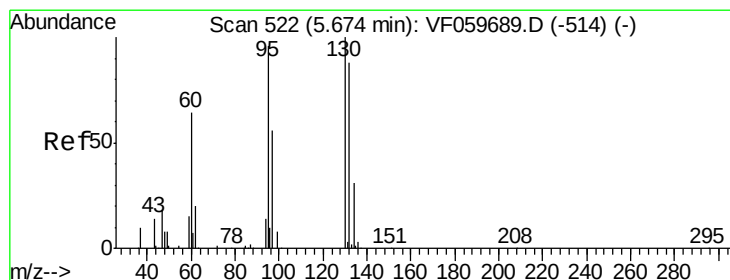
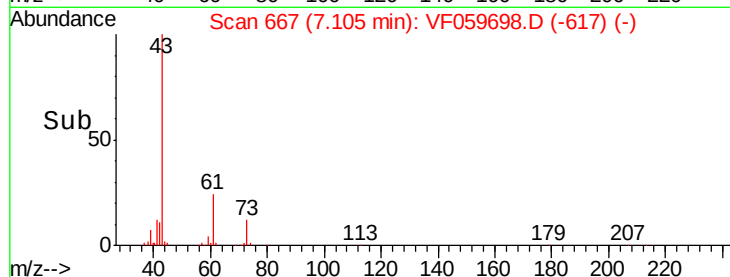
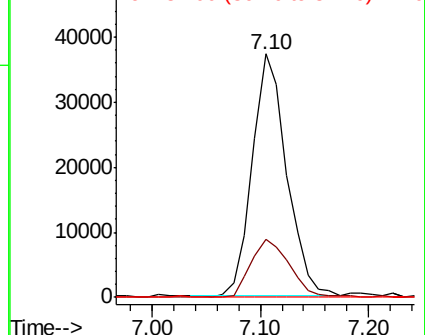
43 100

61 23.6 23.8 35.8#

87 0.0 0.6 1.0#



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



#44

Trichloroethene

Concen: 48.276 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059698.D

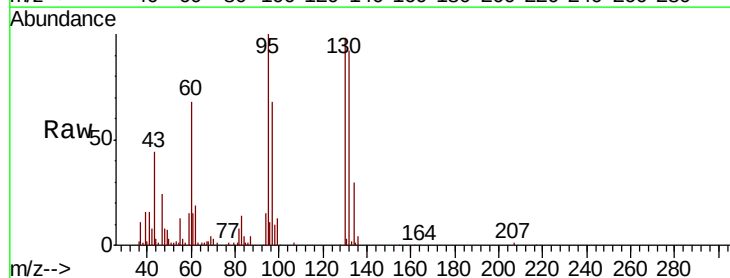
Acq: 30 Jul 2018 20:27

Tgt Ion:130 Resp: 98448

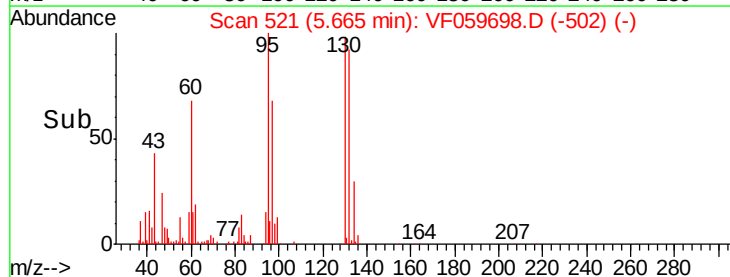
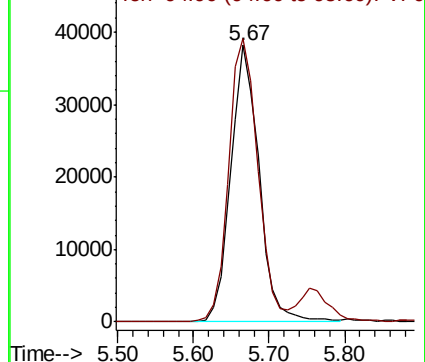
Ion Ratio Lower Upper

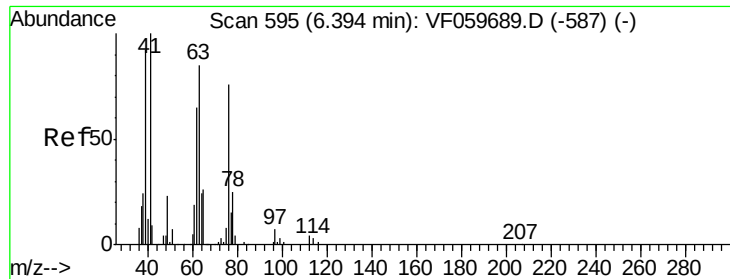
130 100

95 102.2 0.0 191.0



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

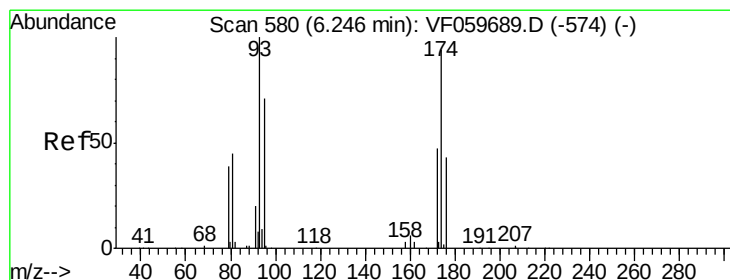
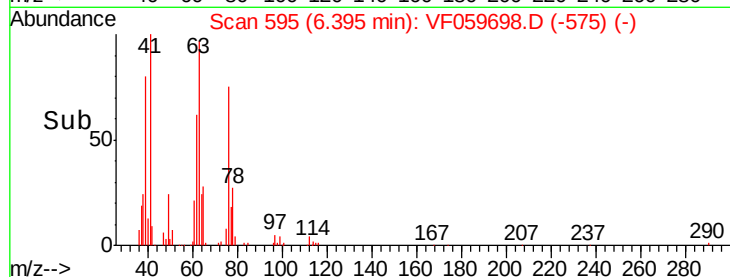
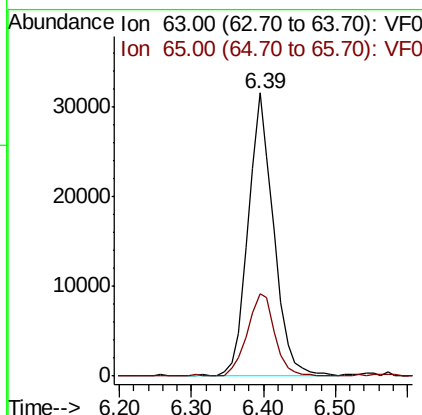
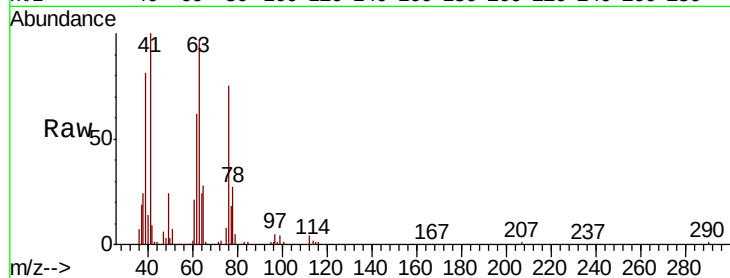




#45
 1,2-Dichloropropane
 Concen: 48.708 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

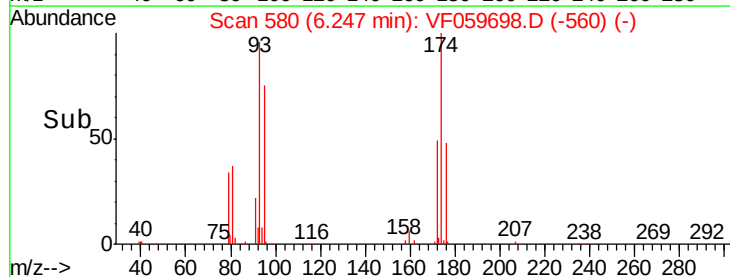
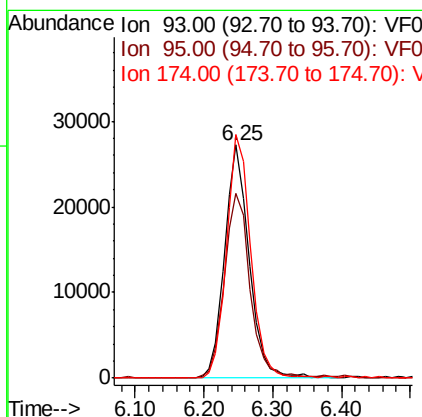
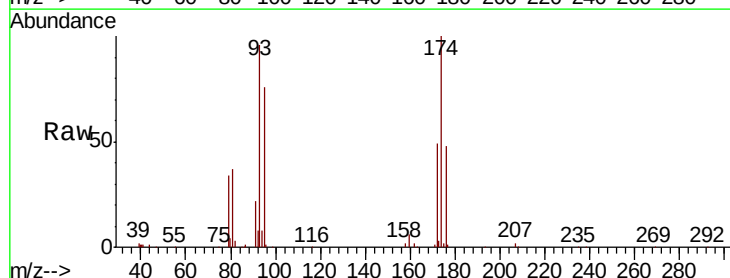
Instrument :
 MSVOA_F
 ClientSampleId :

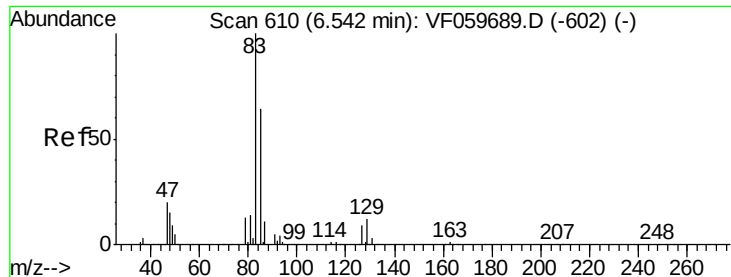
Tot Ion: 63 Resp: 77917
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.2 37.8



#46
 Dibromomethane
 Concen: 44.135 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion: 93 Resp: 67030
 Ion Ratio Lower Upper
 93 100
 95 80.5 57.1 85.7
 174 106.8 74.8 112.2





#47

Bromodichloromethane

Concen: 46.127 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampled :

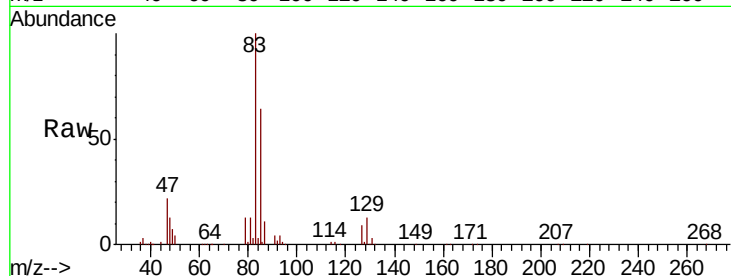
Tot Ion: 83 Resp: 190775

Ion Ratio Lower Upper

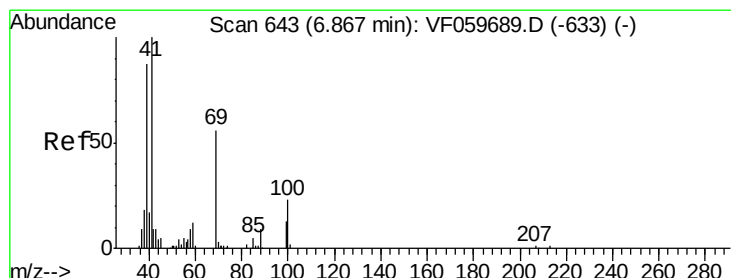
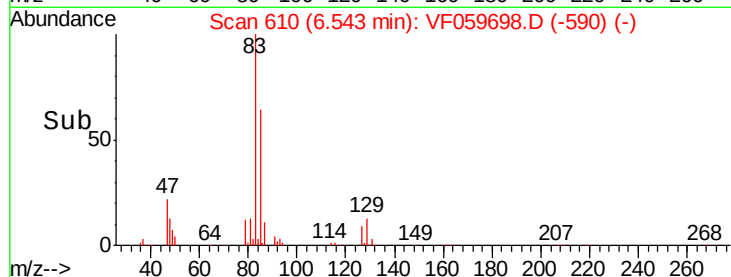
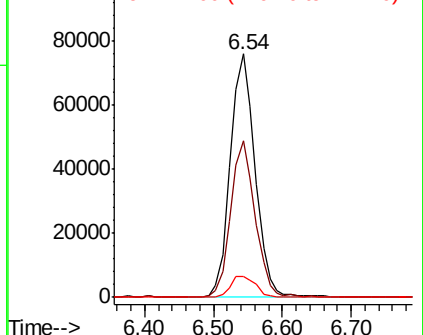
83 100

85 64.5 51.0 76.6

127 9.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 46.256 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

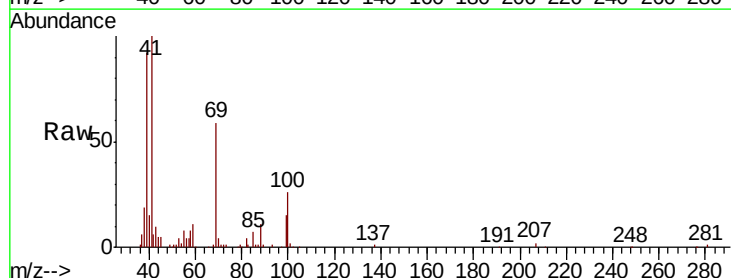
Tgt Ion: 41 Resp: 62402

Ion Ratio Lower Upper

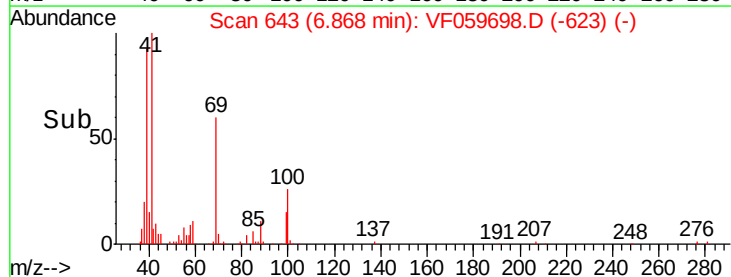
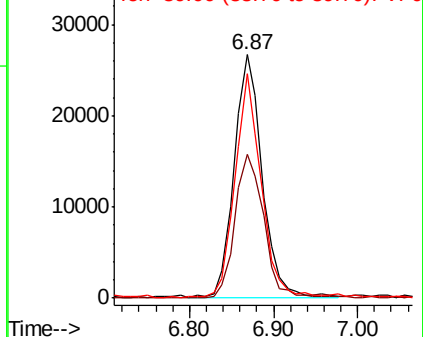
41 100

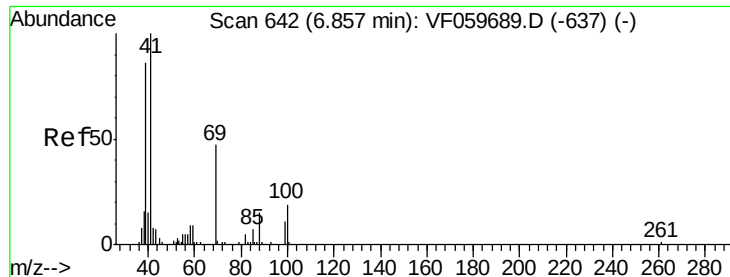
69 59.3 44.4 66.6

39 92.4 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

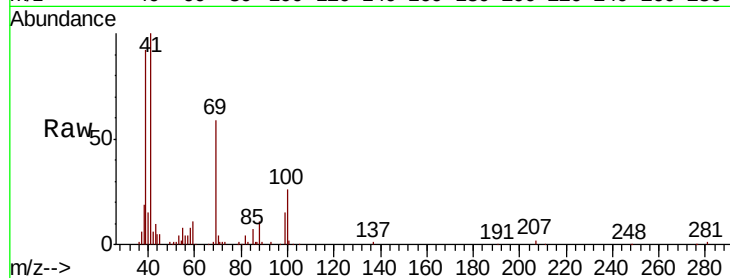




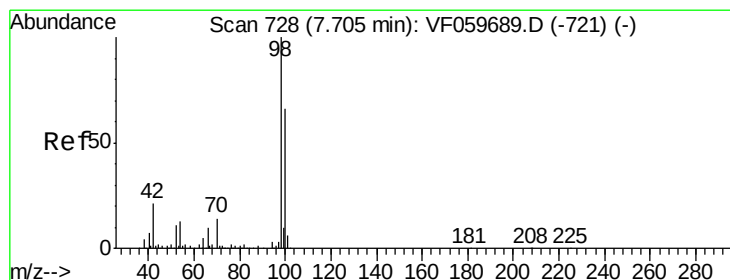
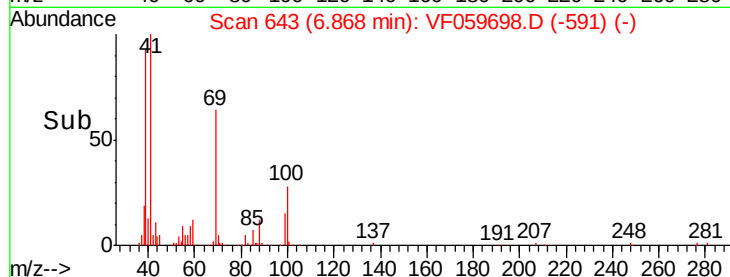
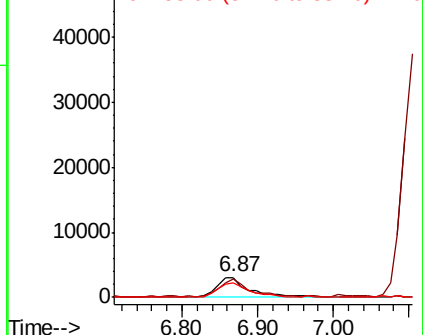
#49
1,4-Dioxane
Concen: 1064.848 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 9265
Ion Ratio Lower Upper
88 100
43 91.0 45.2 67.8#
58 74.8 49.0 73.6#

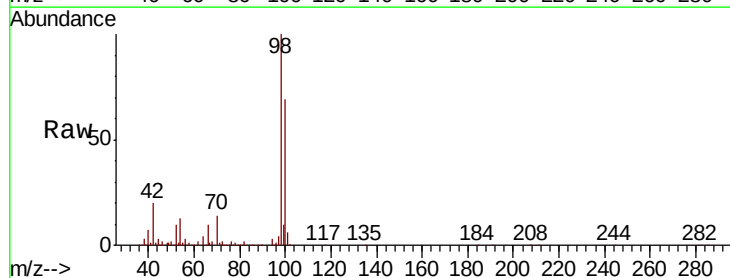


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

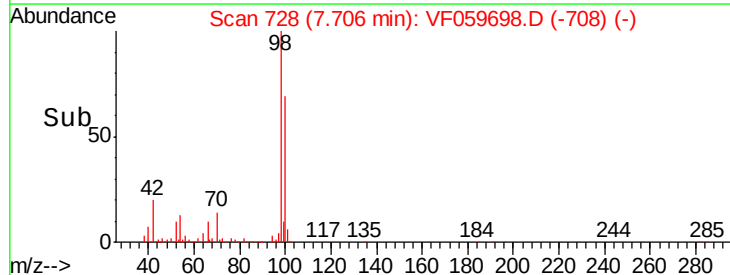
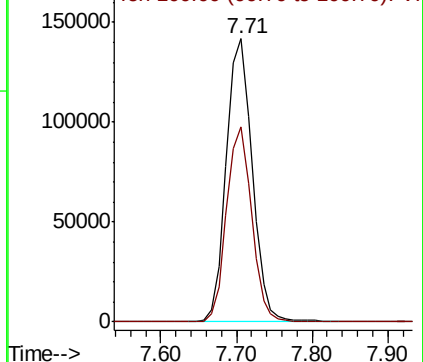


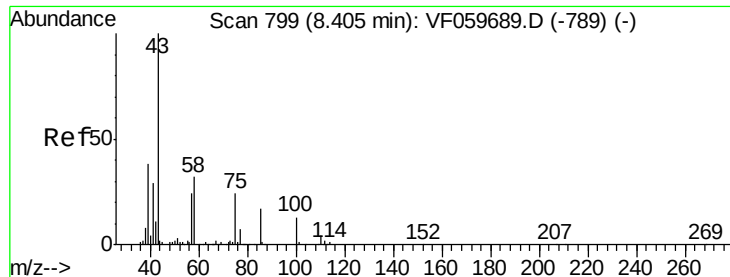
#50
Toluene-d8
Concen: 46.447 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 98 Resp: 337434
Ion Ratio Lower Upper
98 100
100 68.9 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: 241.673 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

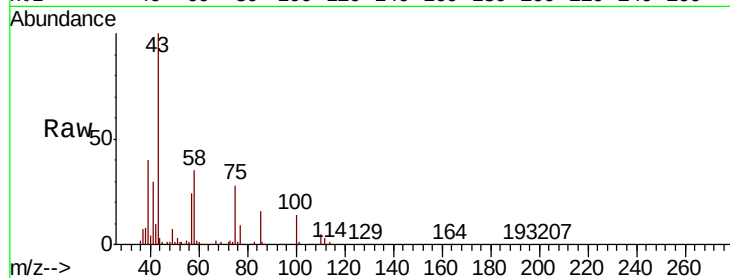
ClientSampled :

Tot Ion: 43 Resp: 329725

Ion Ratio Lower Upper

43 100

58 34.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

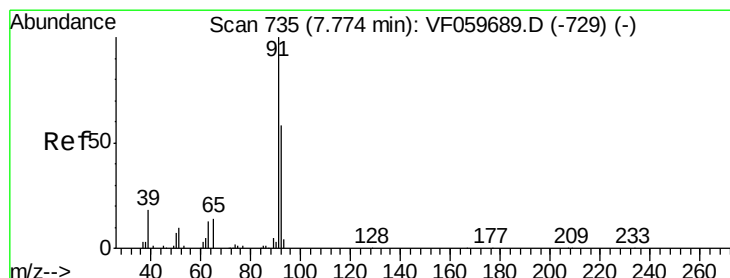
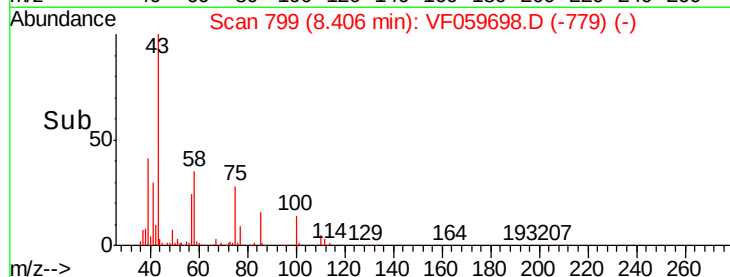
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.849 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059698.D

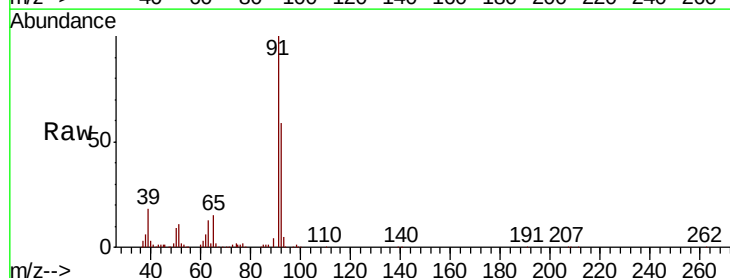
Acq: 30 Jul 2018 20:27

Tgt Ion: 92 Resp: 189598

Ion Ratio Lower Upper

92 100

91 168.1 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

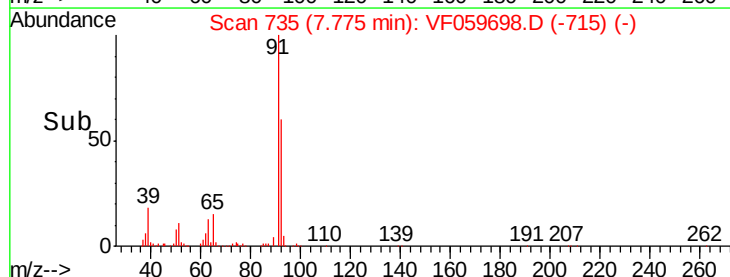
150000

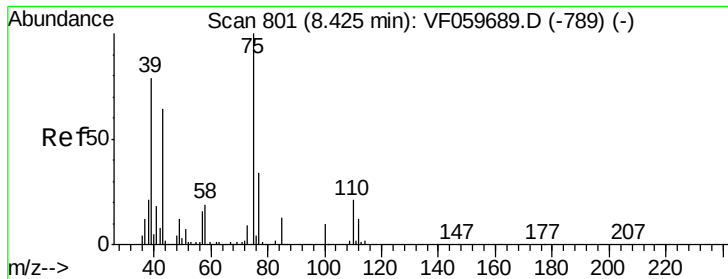
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.884 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

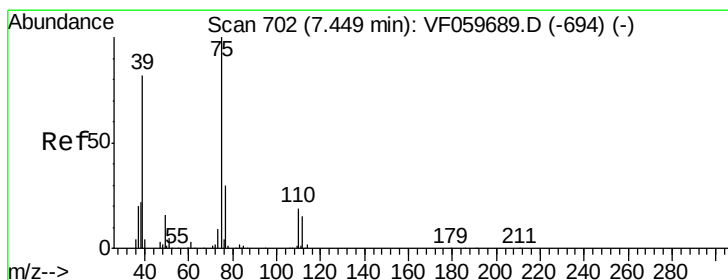
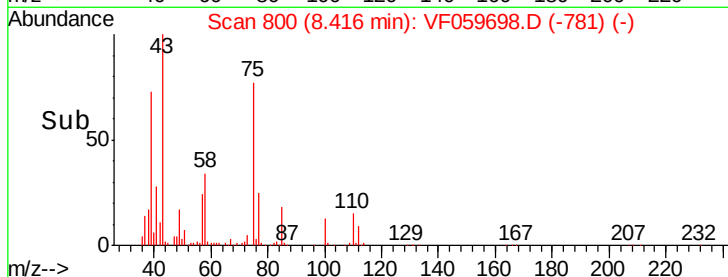
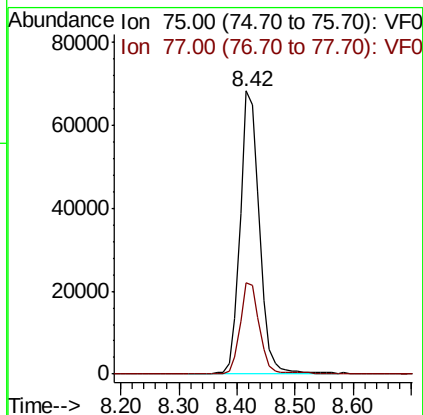
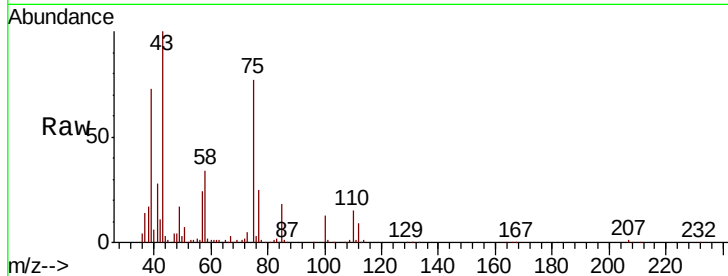
ClientSampleId :

Tot Ion: 75 Resp: 157486

Ion Ratio Lower Upper

75 100

77 32.1 27.0 40.4



#54

cis-1,3-Dichloropropene

Concen: 47.750 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

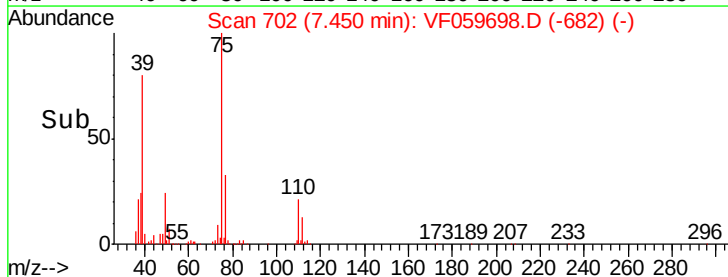
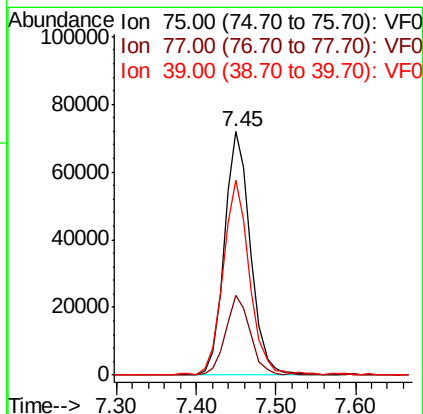
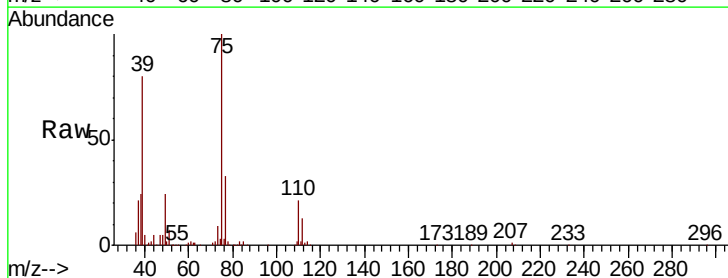
Tgt Ion: 75 Resp: 165978

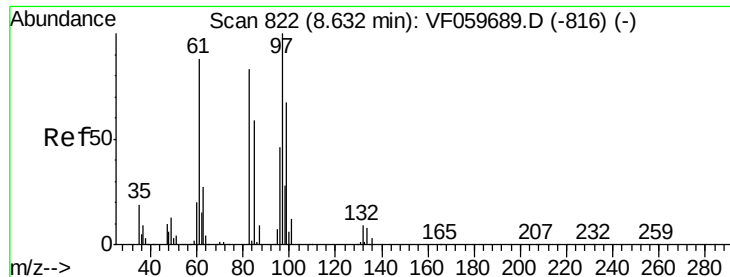
Ion Ratio Lower Upper

75 100

77 32.8 24.0 36.0

39 79.9 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 46.259 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 75889

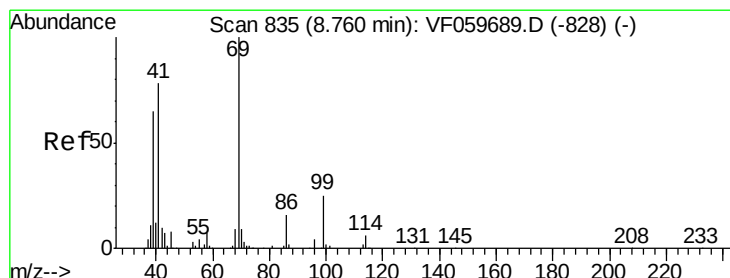
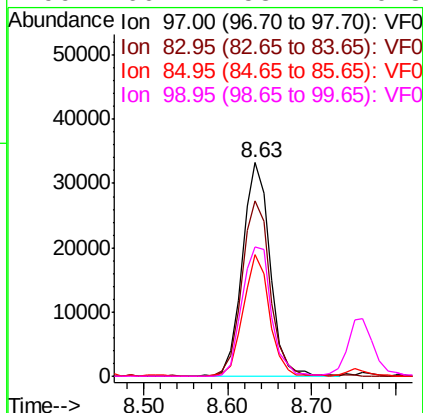
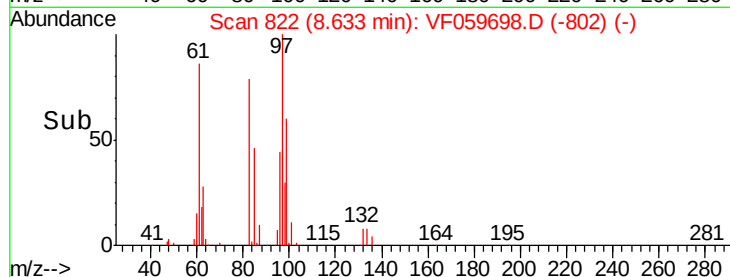
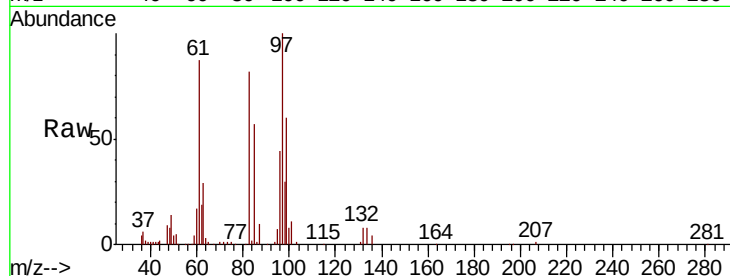
Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.6	100.0
85	56.8	47.4	71.0
99	60.4	53.2	79.8

97 100

83 81.9 66.6 100.0

85 56.8 47.4 71.0

99 60.4 53.2 79.8



#56

Ethyl methacrylate

Concen: 47.546 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

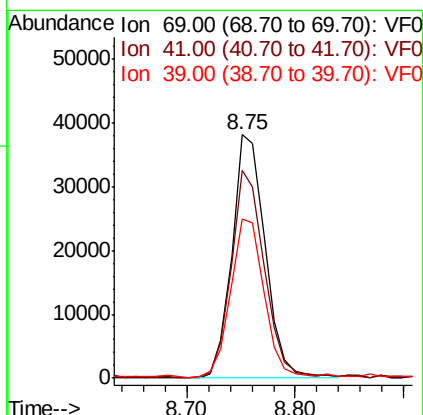
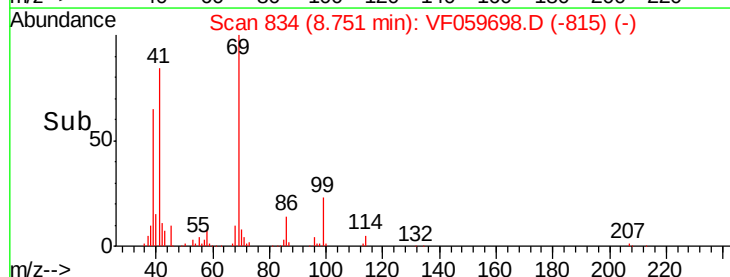
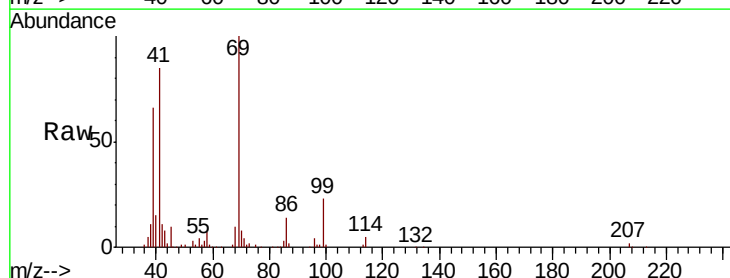
Tgt Ion: 69 Resp: 81344

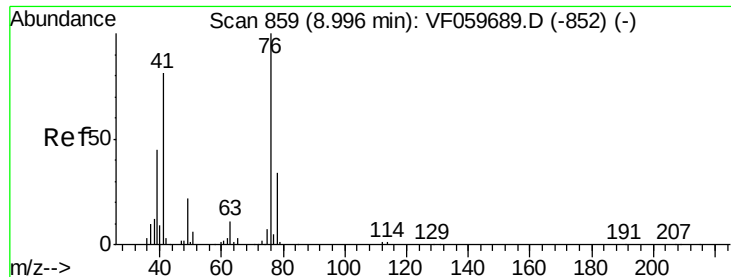
Ion	Ratio	Lower	Upper
69	100		
41	85.3	62.3	93.5
39	65.6	52.4	78.6

69 100

41 85.3 62.3 93.5

39 65.6 52.4 78.6





#57

1,3-Dichloropropane

Concen: 46.936 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

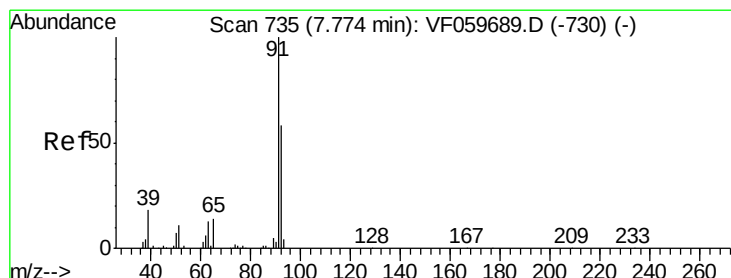
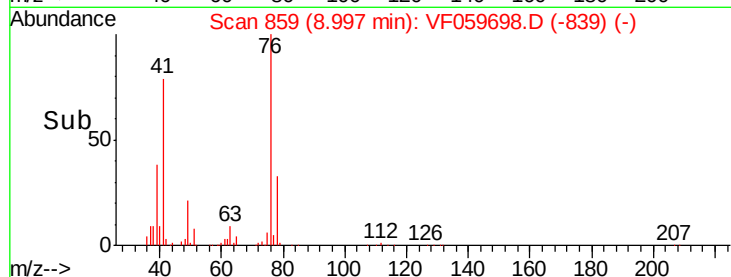
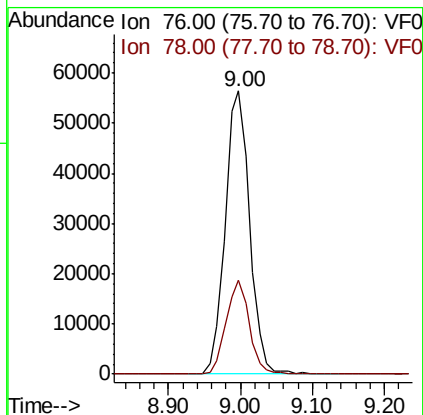
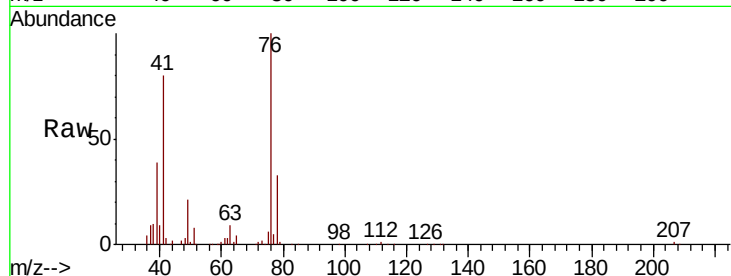
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 132095

Ion Ratio Lower Upper

76 100

78 33.0 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 213.326 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059698.D

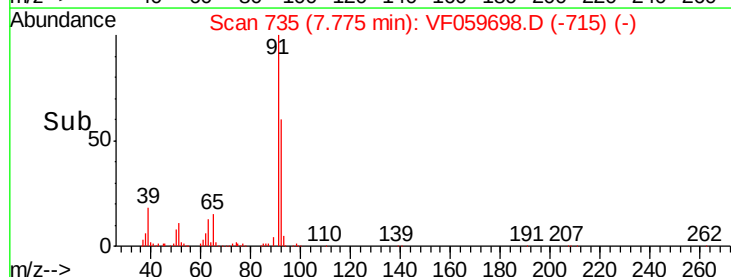
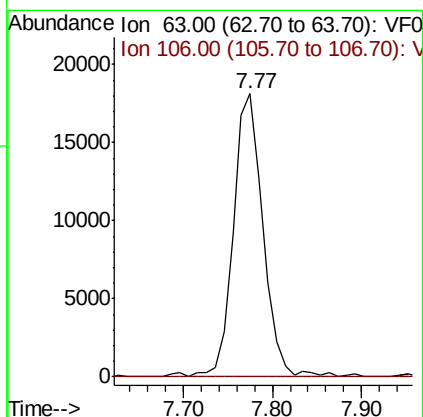
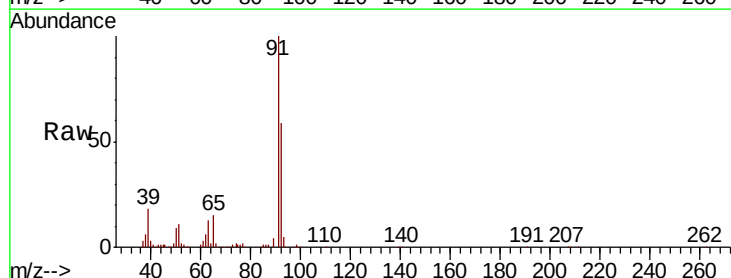
Acq: 30 Jul 2018 20:27

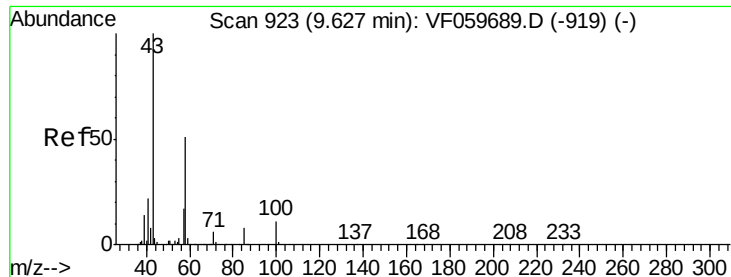
Tgt Ion: 63 Resp: 42139

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

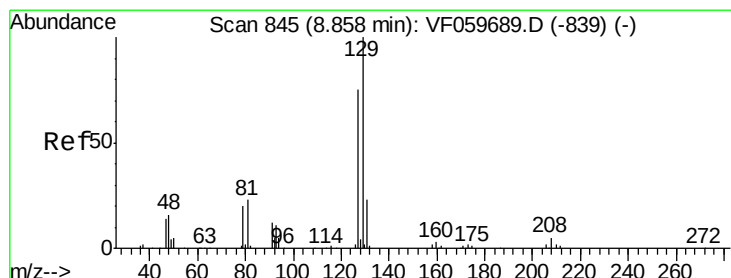
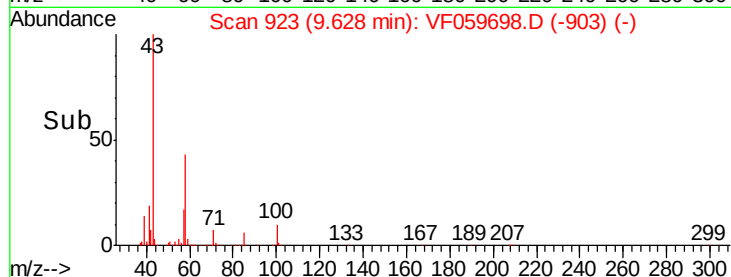
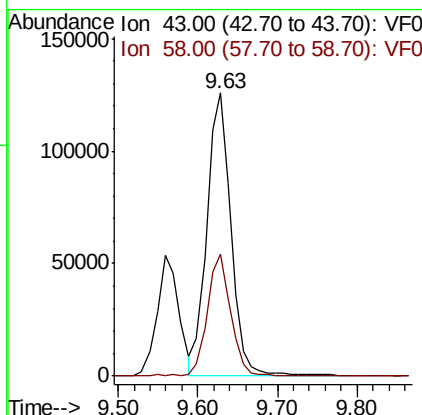
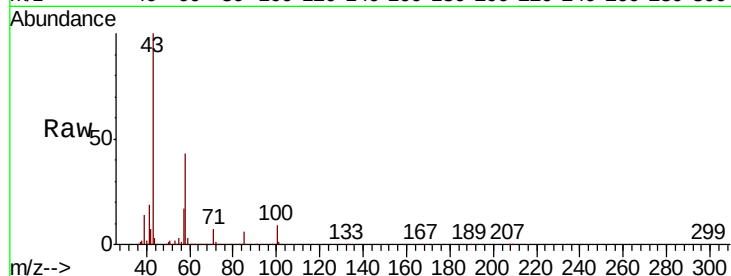




#59
2-Hexanone
Concen: 241.880 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

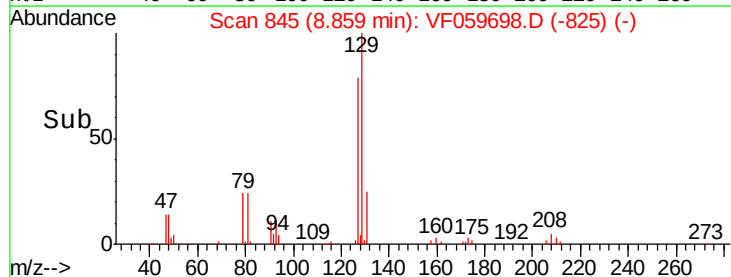
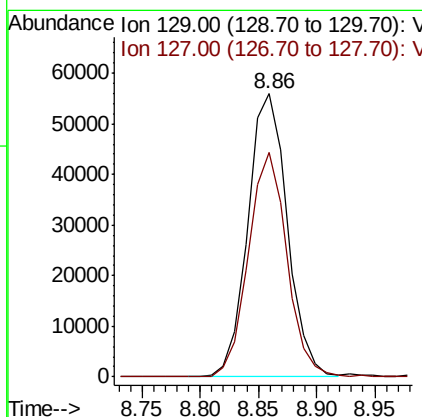
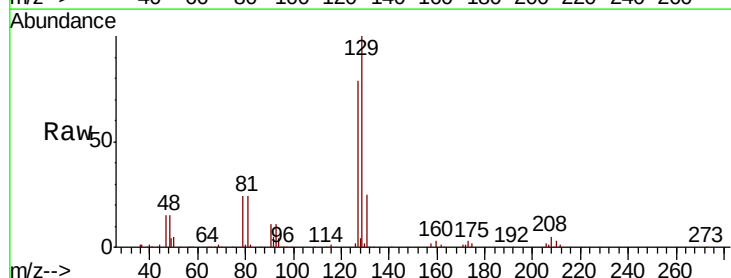
Instrument :
MSVOA_F
ClientSampleId :

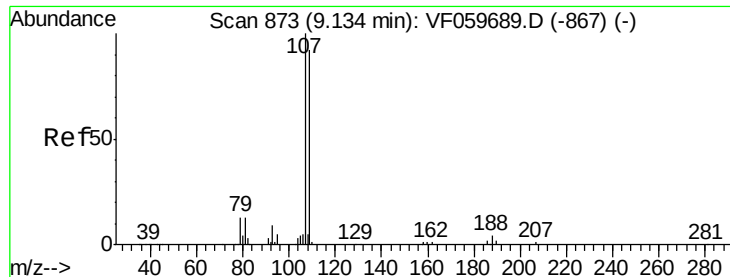
Tot Ion: 43 Resp: 264453
Ion Ratio Lower Upper
43 100
58 43.3 23.3 69.8



#60
Dibromochloromethane
Concen: 45.261 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 129 Resp: 131021
Ion Ratio Lower Upper
129 100
127 79.1 37.7 113.1

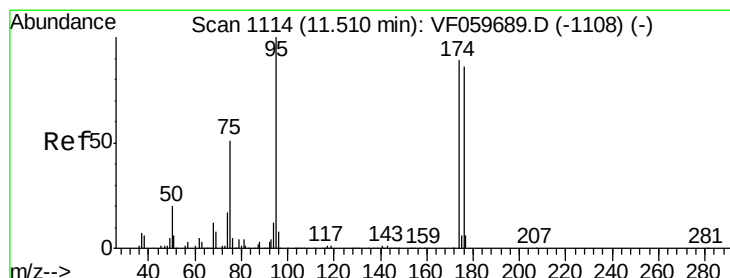
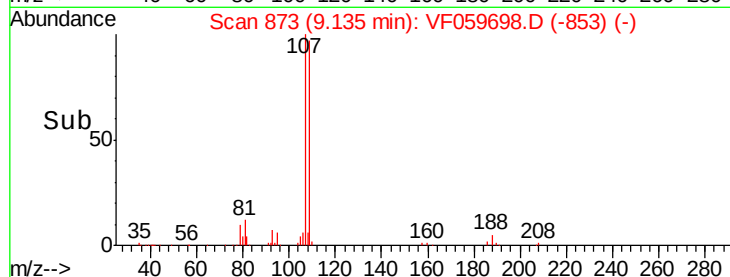
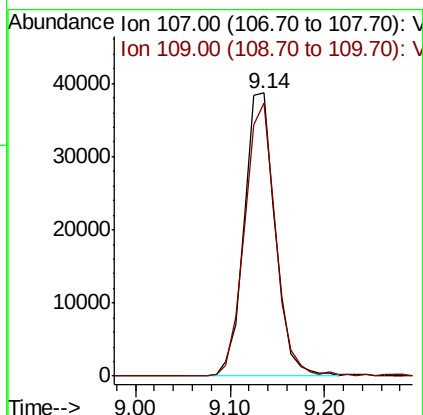
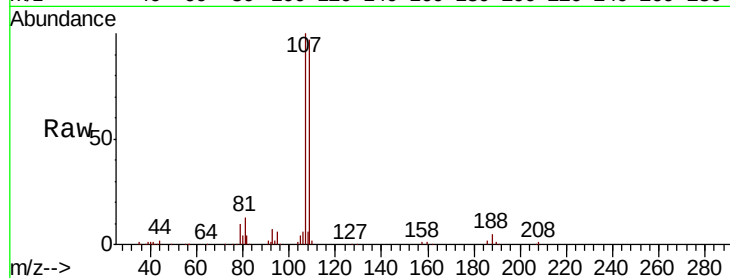




#61
 1,2-Dibromoethane
 Concen: 45.883 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

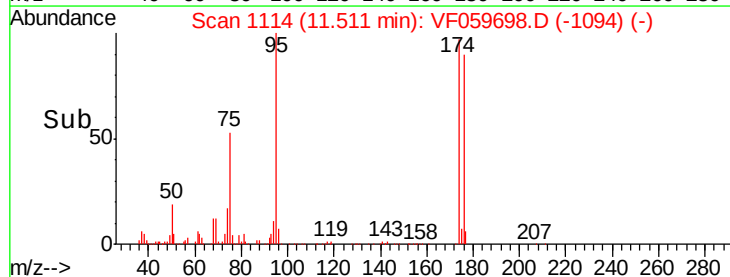
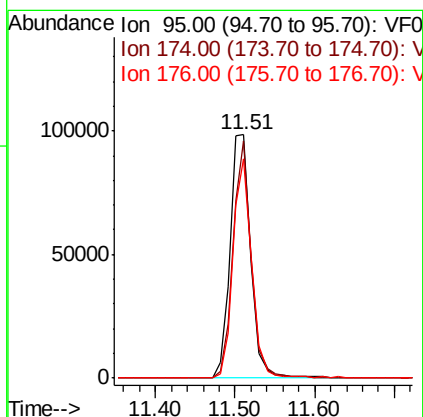
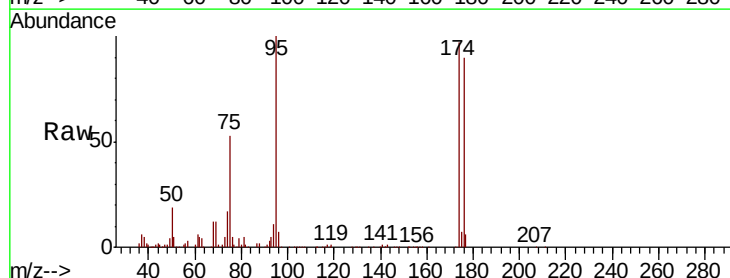
Instrument :
 MSVOA_F
 ClientSampleId :

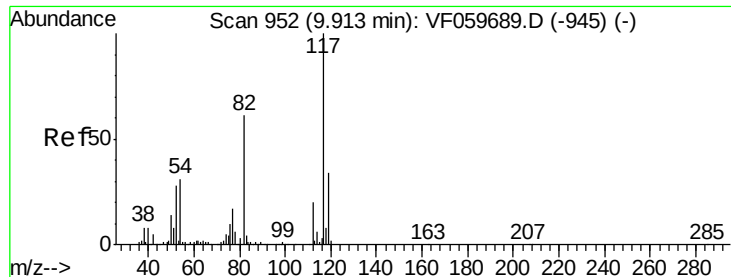
Tot Ion:107 Resp: 87896
 Ion Ratio Lower Upper
 107 100
 109 96.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 45.110 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion: 95 Resp: 181430
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 178.4
 176 89.8 0.0 173.0

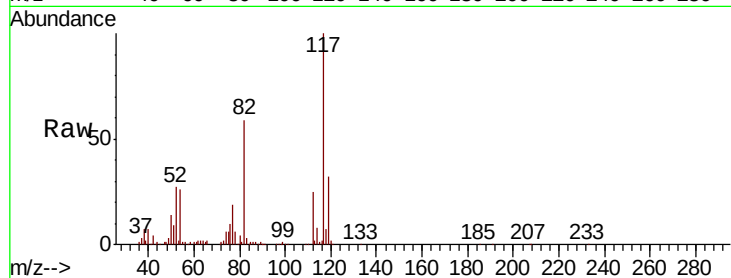




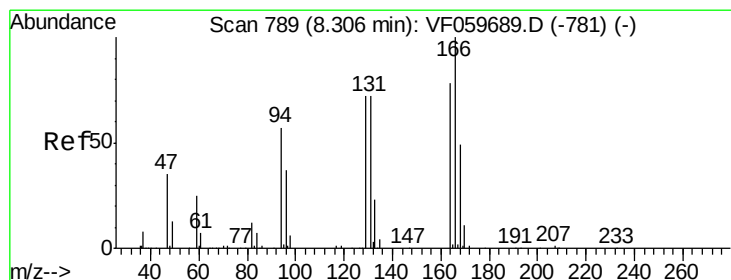
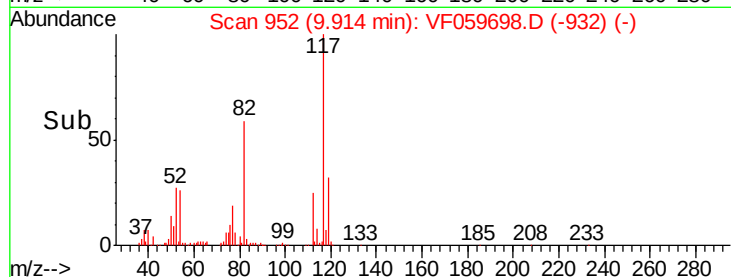
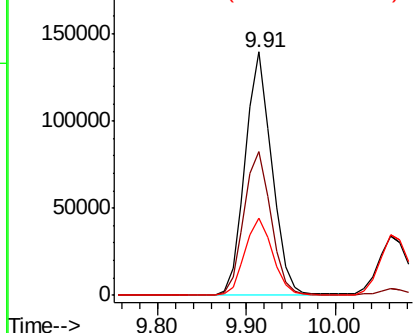
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	49.0	73.4
119	31.8	27.3	40.9

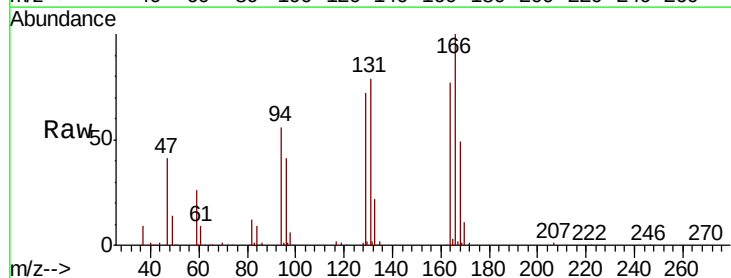


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

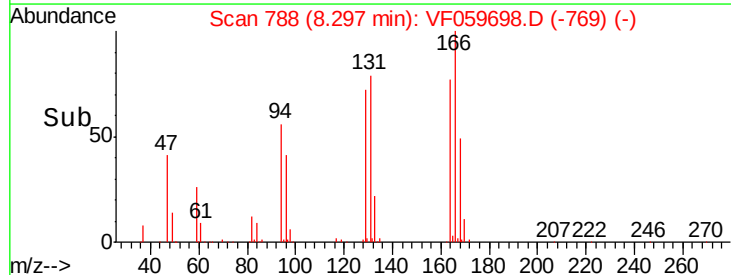
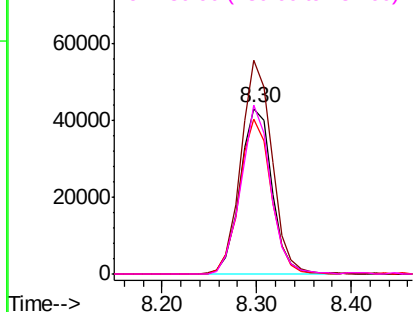


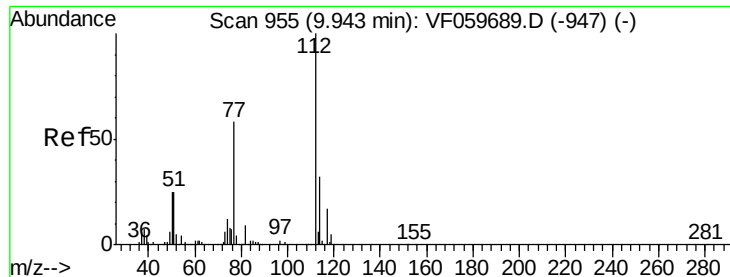
#64
Tetrachloroethene
Concen: 51.224 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.1	153.1
129	93.6	73.8	110.6
131	102.2	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

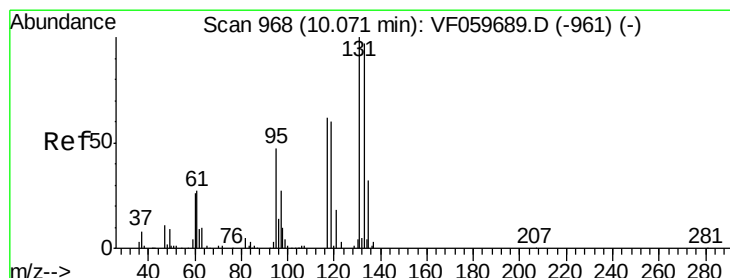
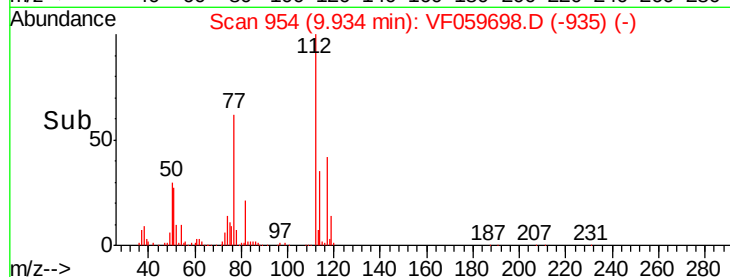
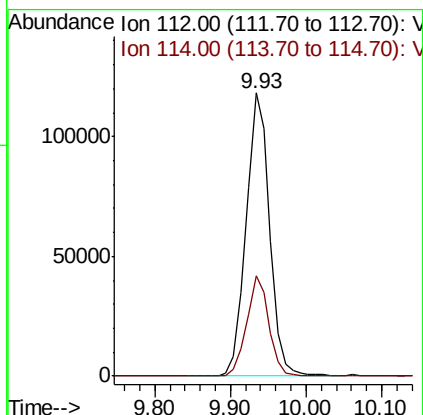
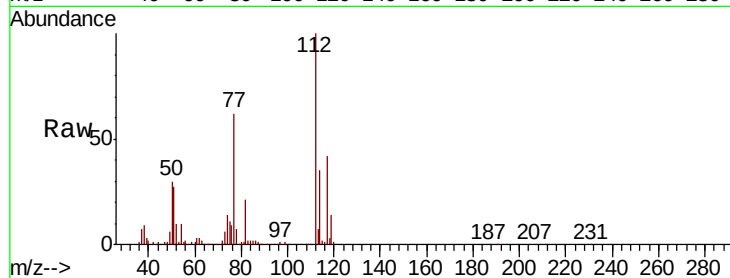




#65
Chlorobenzene
Concen: 43.961 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

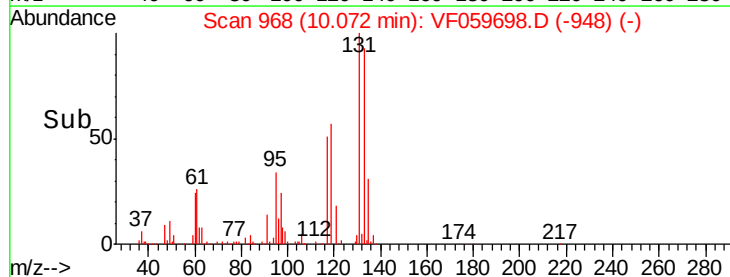
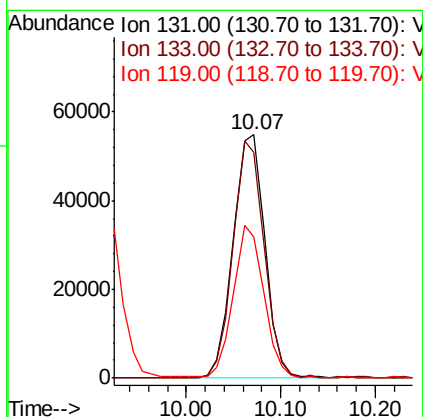
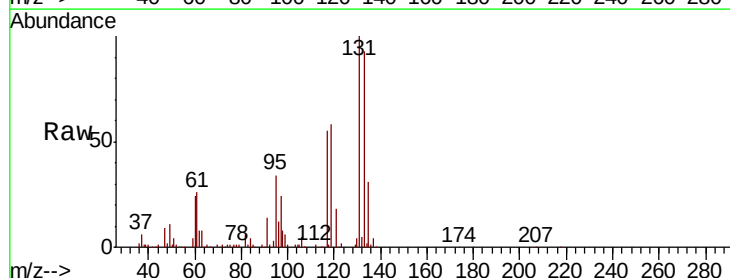
Instrument :
MSVOA_F
ClientSampleId :

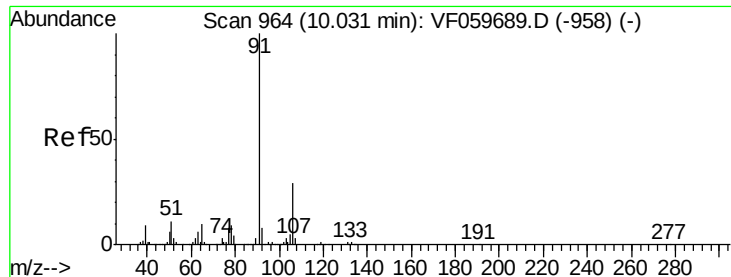
Tot Ion:112 Resp: 255023
Ion Ratio Lower Upper
112 100
114 35.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.163 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion:131 Resp: 127736
Ion Ratio Lower Upper
131 100
133 92.5 48.5 145.5
119 57.8 30.3 90.8

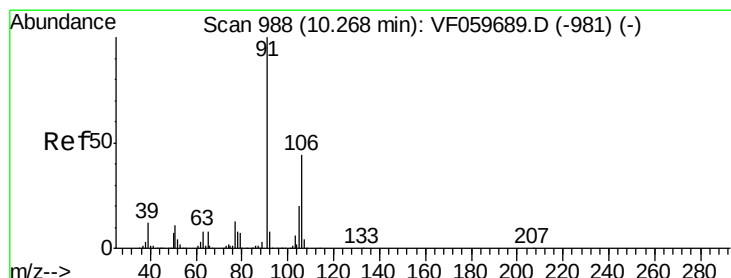
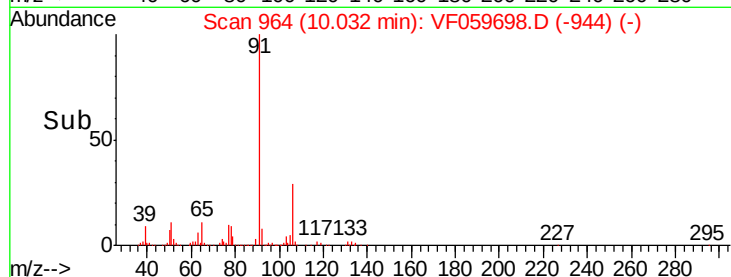
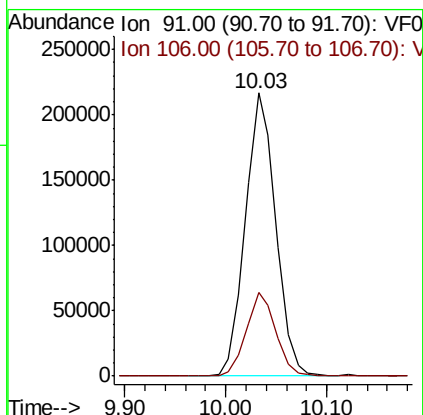
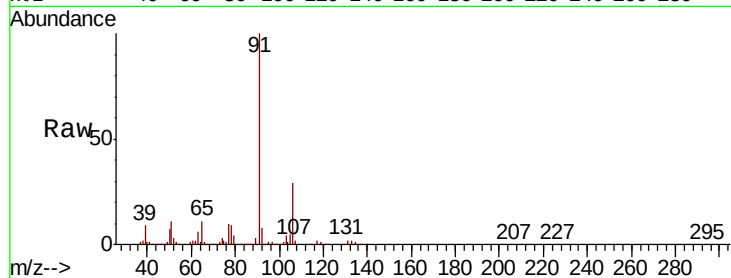




#67
Ethyl Benzene
Concen: 45.405 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 20:27

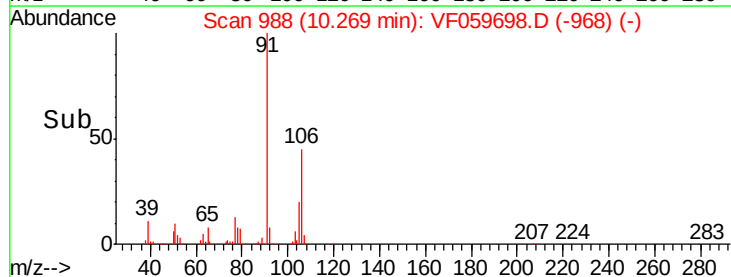
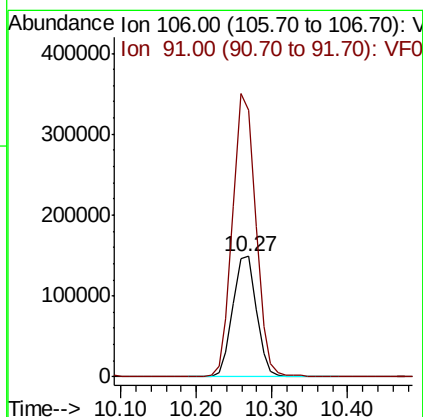
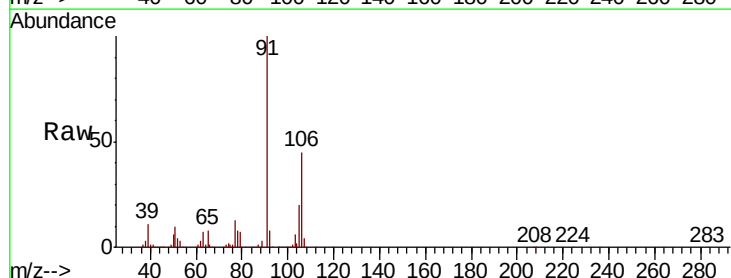
Instrument :
MSVOA_F
ClientSampleId :

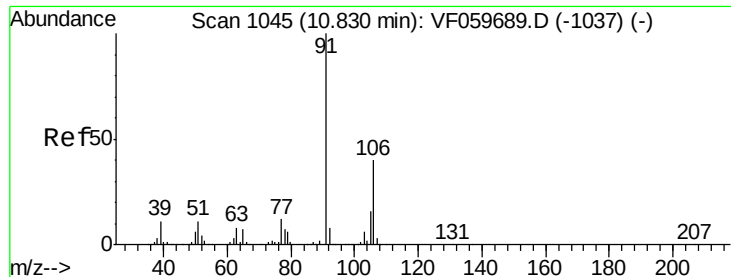
Tot Ion: 91 Resp: 455734
Ion Ratio Lower Upper
91 100
106 29.4 22.9 34.3



#68
m/p-Xylenes
Concen: 103.525 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 106 Resp: 323547
Ion Ratio Lower Upper
106 100
91 221.4 181.7 272.5

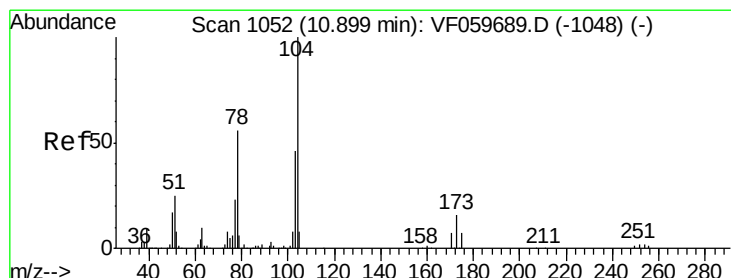
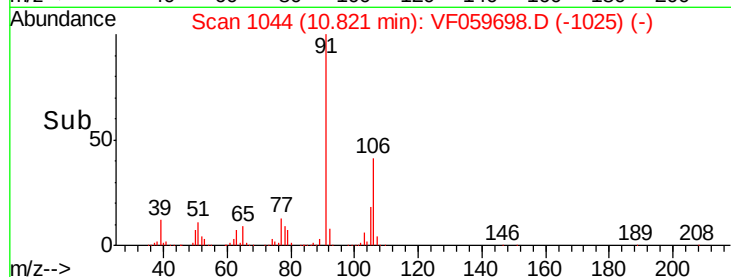
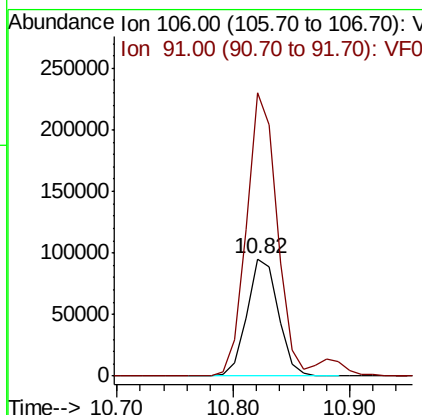
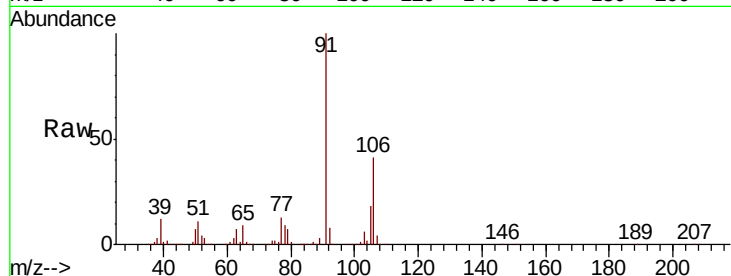




#69
o-Xylene
Concen: 48.067 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

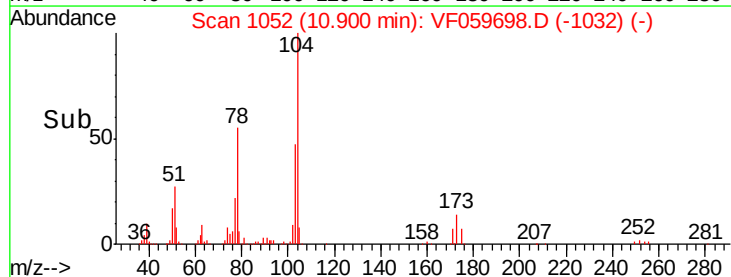
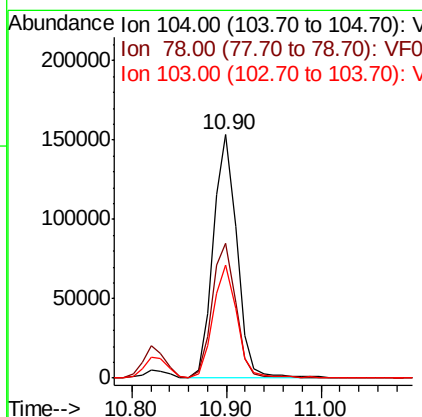
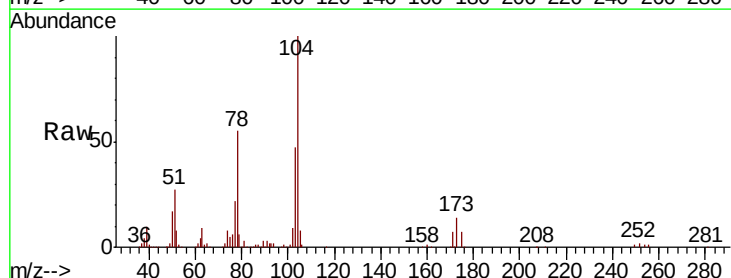
Instrument :
MSVOA_F
ClientSampleId :

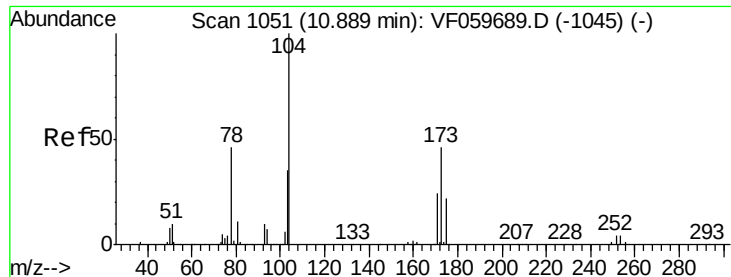
Tot Ion:106 Resp: 177768
Ion Ratio Lower Upper
106 100
91 242.0 124.6 373.7



#70
Styrene
Concen: 47.420 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion:104 Resp: 265680
Ion Ratio Lower Upper
104 100
78 55.2 45.3 67.9
103 46.6 36.6 54.8





#71

Bromoform

Concen: 47.009 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

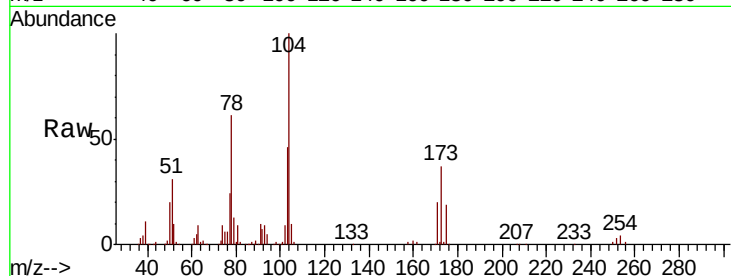
Tot Ion:173 Resp: 82961

Ion Ratio Lower Upper

173 100

175 48.8 23.4 70.0

254 0.0 0.0 0.0

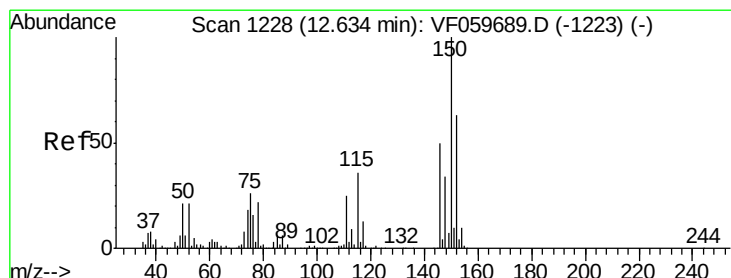
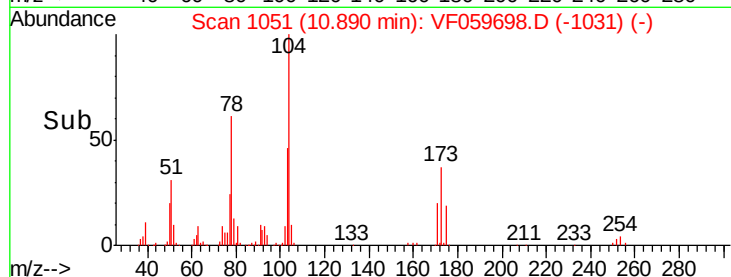
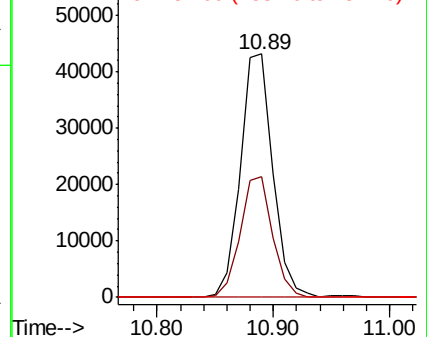


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

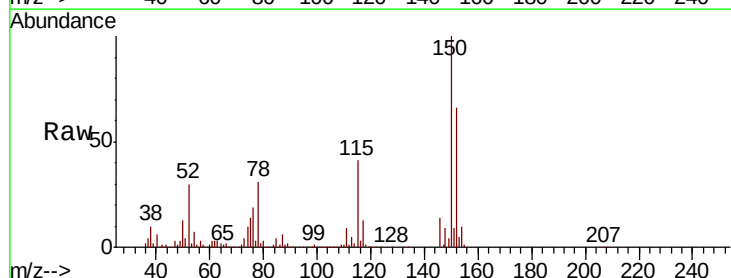
Tgt Ion:152 Resp: 185458

Ion Ratio Lower Upper

152 100

115 62.1 28.2 84.6

150 150.8 0.0 316.2

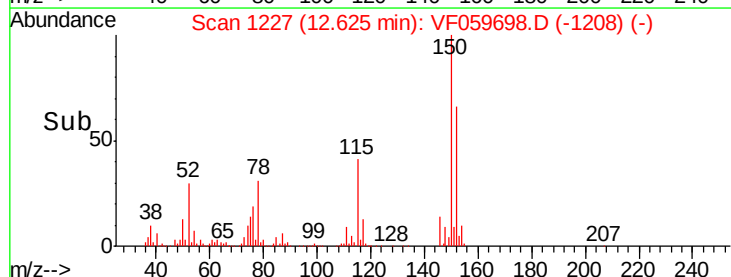
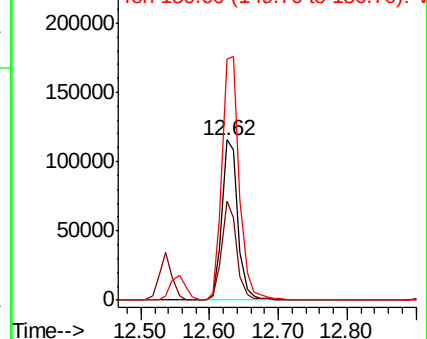


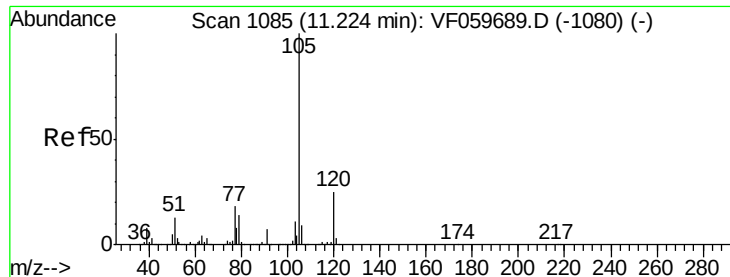
Abundance

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: 46.675 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

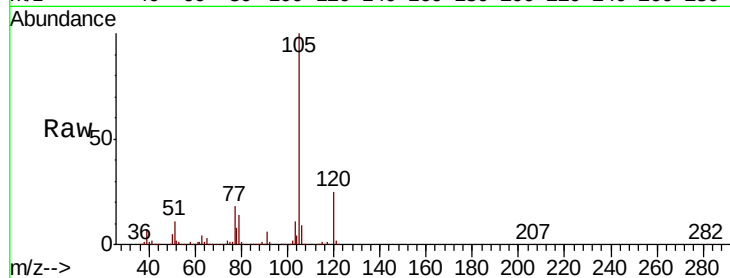
ClientSampleId :

Tot Ion:105 Resp: 567978

Ion Ratio Lower Upper

105 100

120 24.9 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

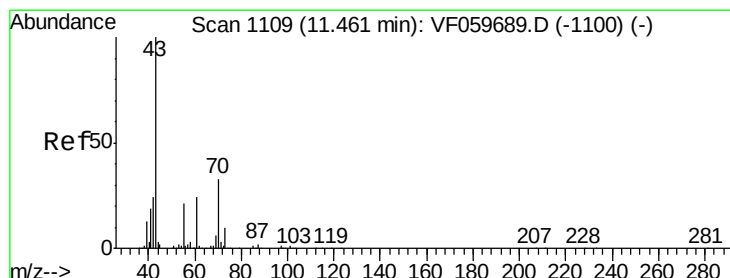
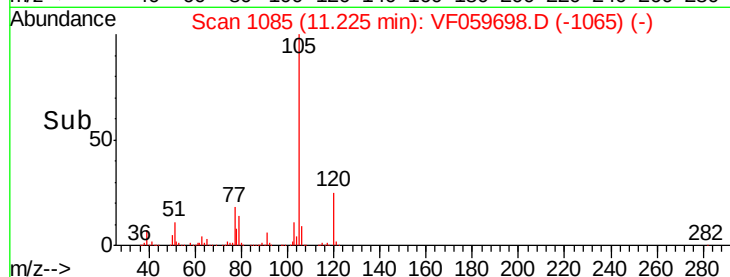
300000

200000

100000

0

Time--> 11.00 11.20 11.40



#74

N-ethyl acetate

Concen: 50.327 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion: 43 Resp: 154507

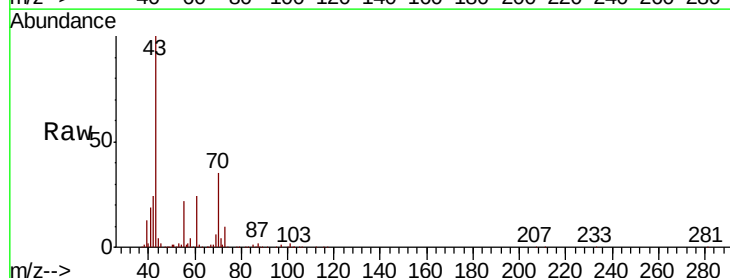
Ion Ratio Lower Upper

43 100

70 34.7 26.3 39.5

55 22.0 16.6 25.0

61 24.1 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

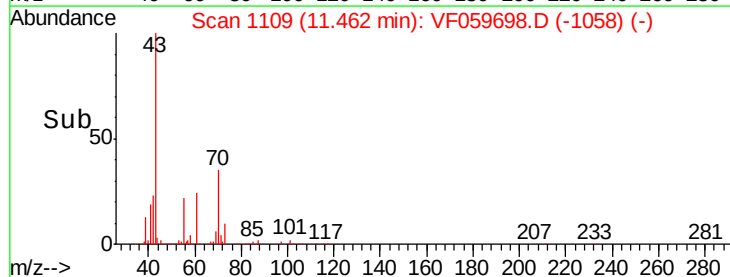
150000

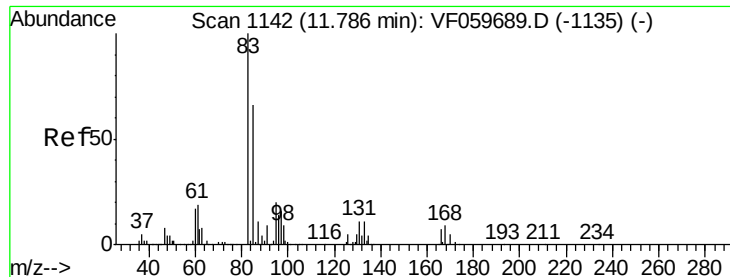
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 48.799 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

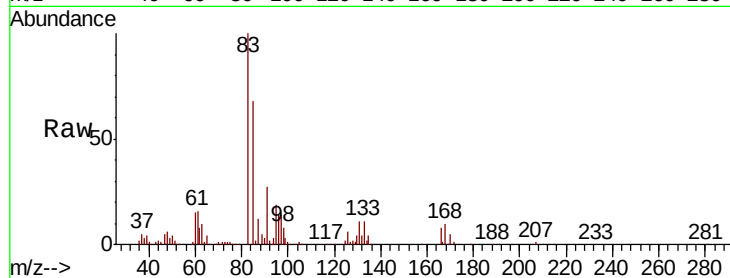
Tot Ion: 83 Resp: 111782

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.3

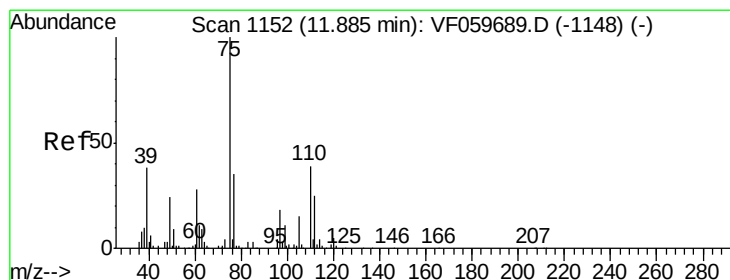
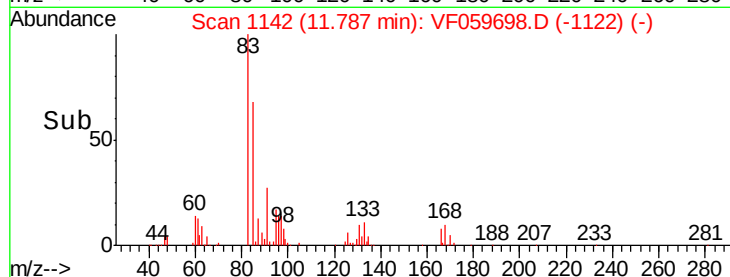
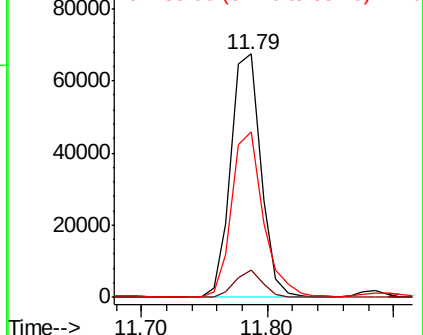
85 68.0 32.8 98.3



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: 45.904 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059698.D

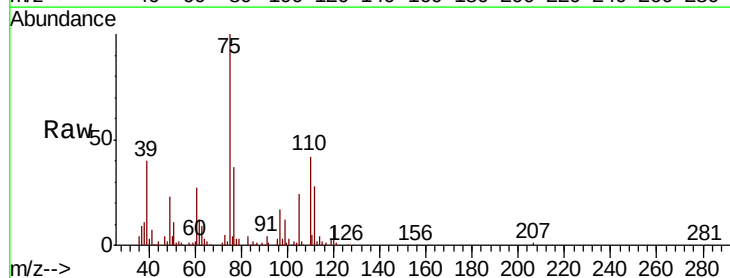
Acq: 30 Jul 2018 20:27

Tgt Ion: 75 Resp: 89413

Ion Ratio Lower Upper

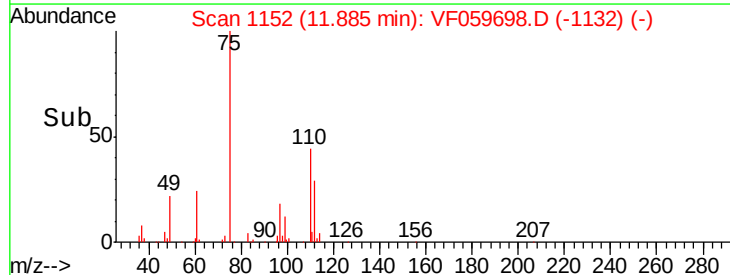
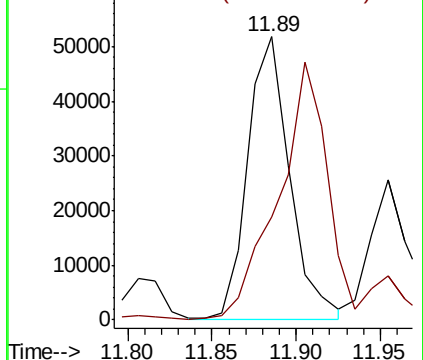
75 100

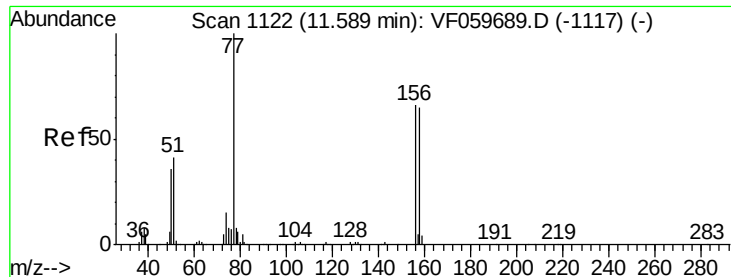
77 36.6 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 45.411 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

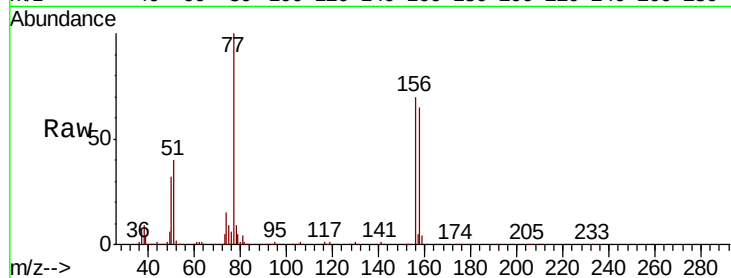
Tot Ion:156 Resp: 144299

Ion Ratio Lower Upper

156 100

77 143.8 75.2 225.6

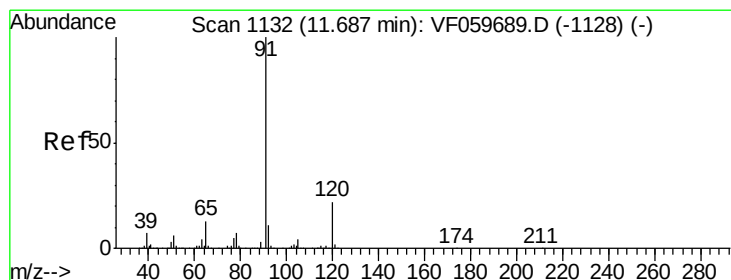
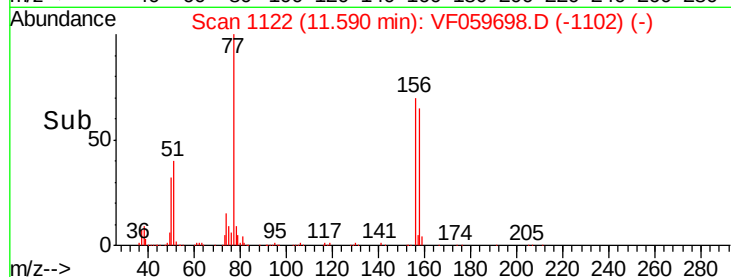
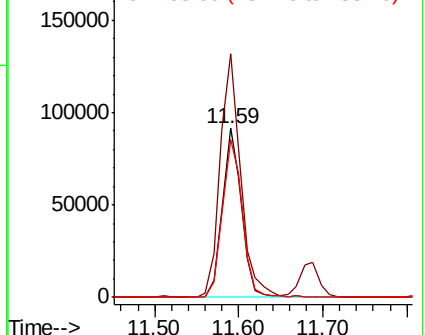
158 92.9 49.1 147.3



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: 50.266 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059698.D

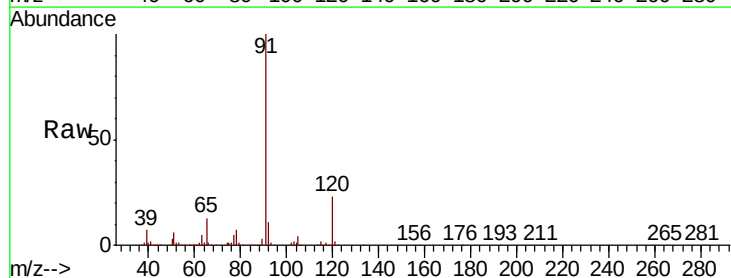
Acq: 30 Jul 2018 20:27

Tgt Ion: 91 Resp: 626645

Ion Ratio Lower Upper

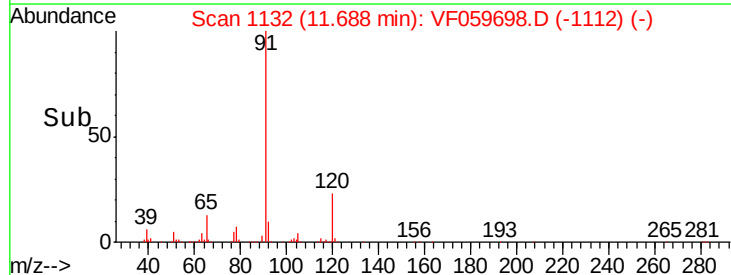
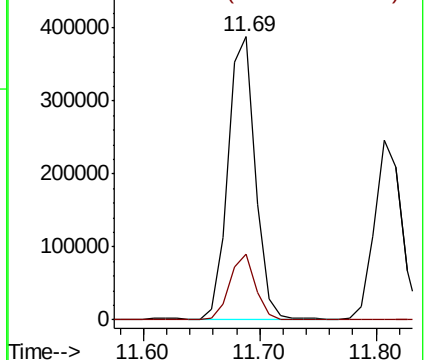
91 100

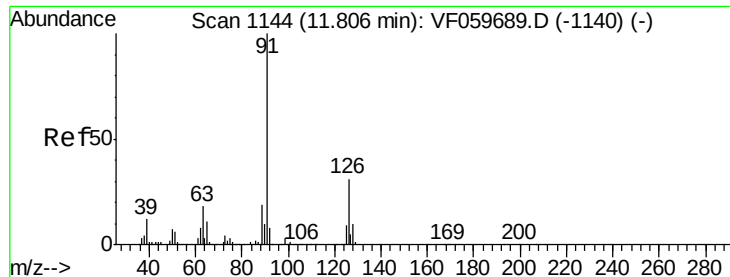
120 23.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

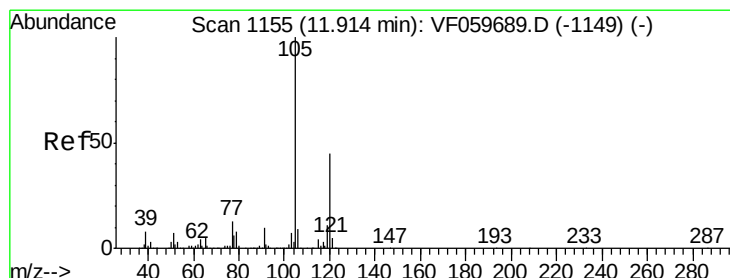
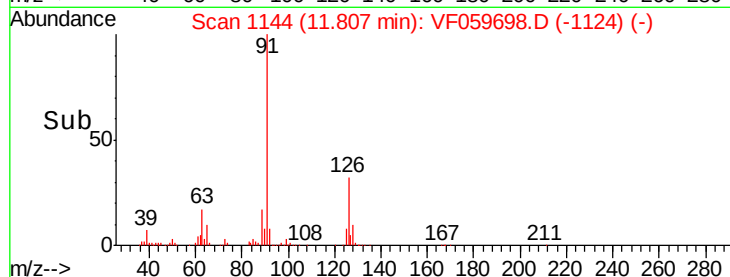
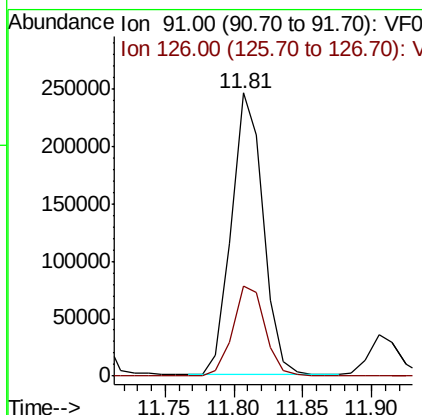
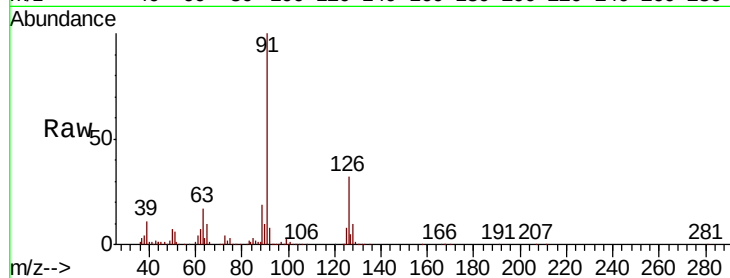




#79
 2-Chlorotoluene
 Concen: 50.321 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

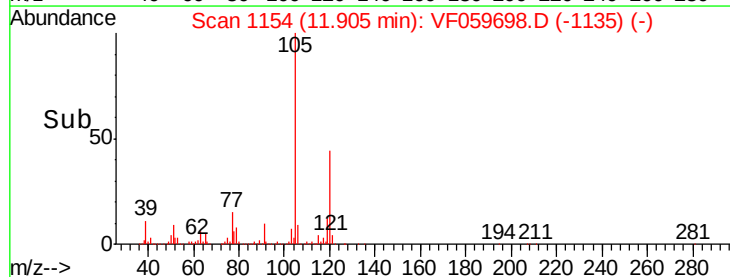
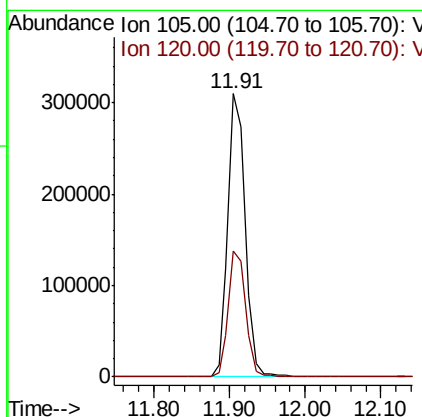
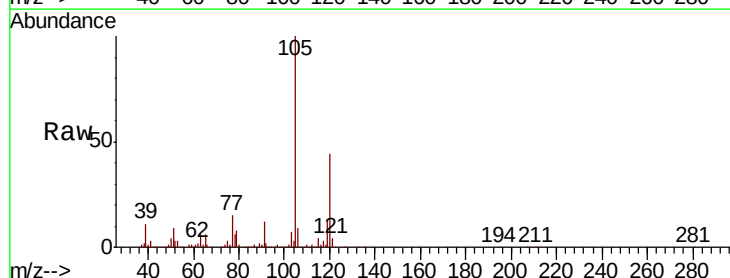
Instrument :
 MSVOA_F
 ClientSampled :

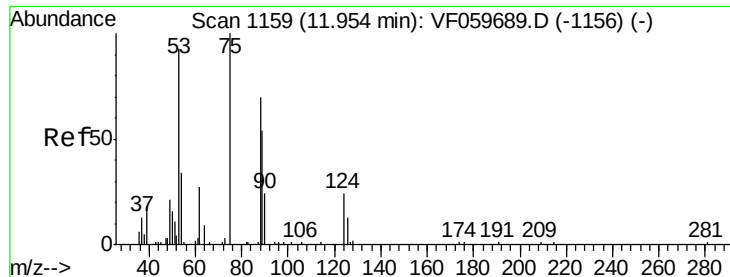
Tot Ion: 91 Resp: 394804
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.796 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion: 105 Resp: 490598
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.975 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

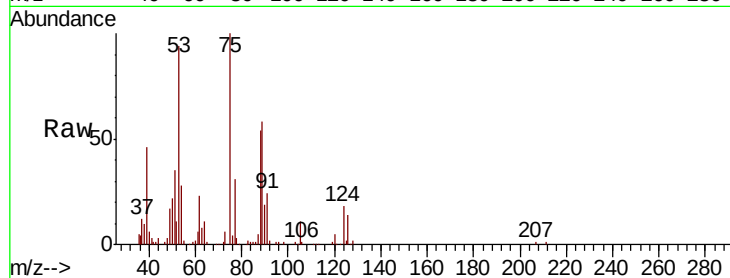
Tot Ion: 75 Resp: 52413

Ion Ratio Lower Upper

75 100

53 93.9 78.3 117.5

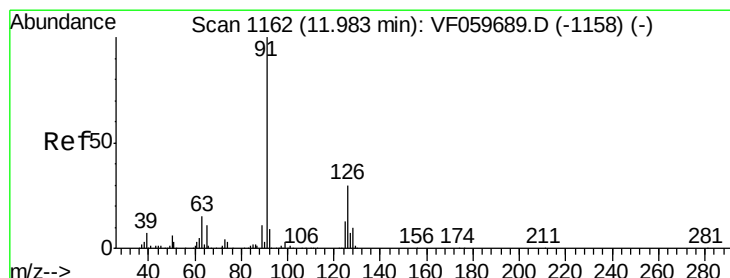
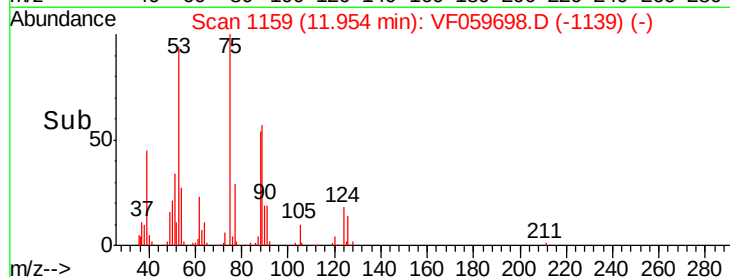
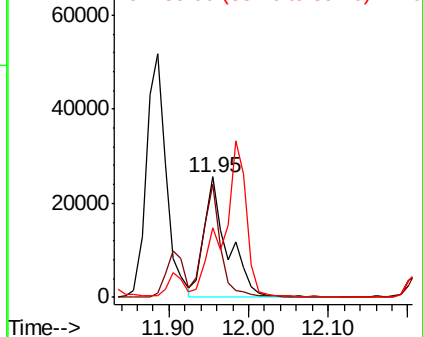
89 58.0 45.4 68.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 49.622 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059698.D

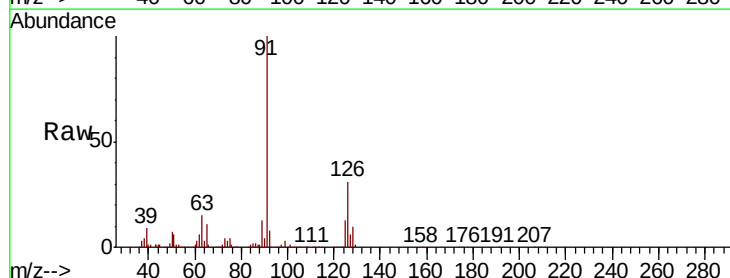
Acq: 30 Jul 2018 20:27

Tgt Ion: 91 Resp: 416362

Ion Ratio Lower Upper

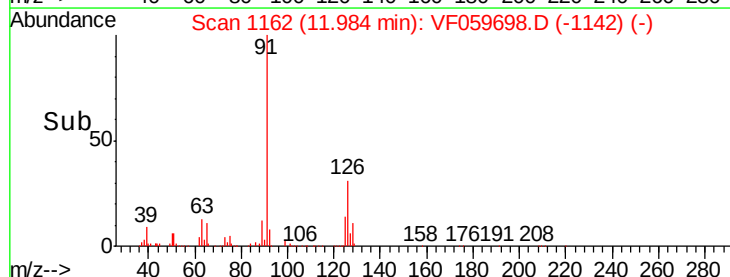
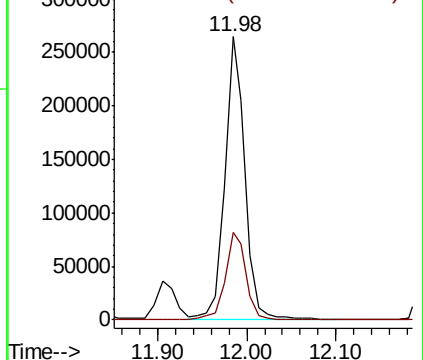
91 100

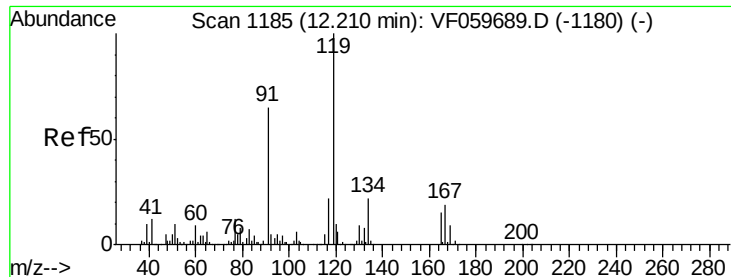
126 30.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 45.856 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

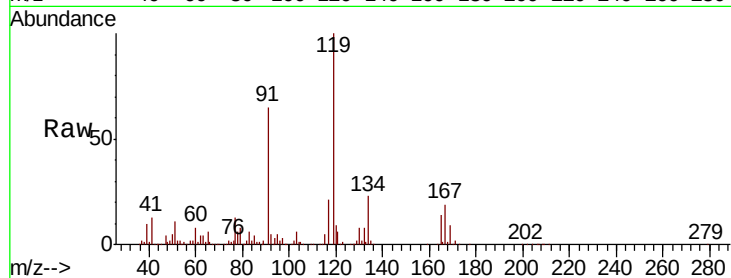
ClientSampleId :

Tot Ion:119 Resp: 500920

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.8	98.4
134	22.7	10.9	32.7

91 64.8 32.8 98.4

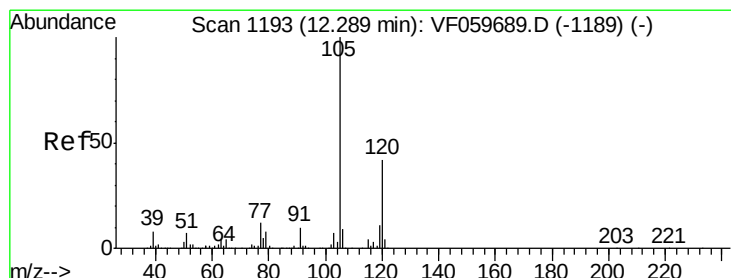
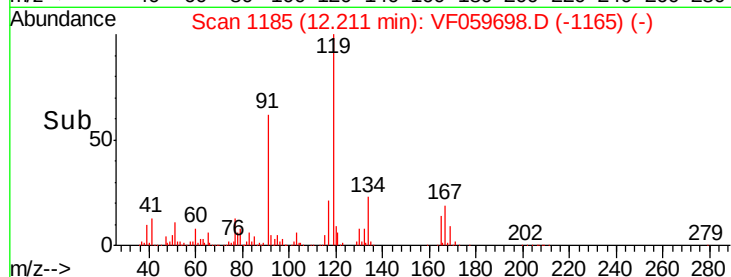
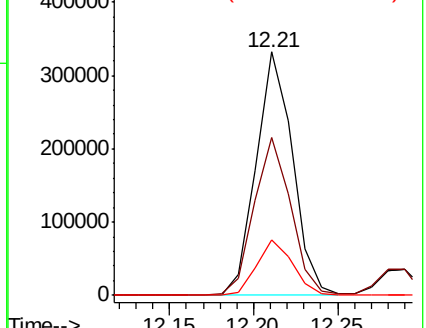
134 22.7 10.9 32.7



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: 50.287 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059698.D

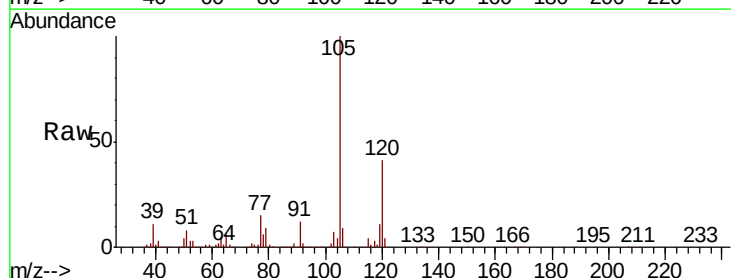
Acq: 30 Jul 2018 20:27

Tgt Ion:105 Resp: 492276

Ion	Ratio	Lower	Upper
105	100		
120	41.2	21.1	63.3

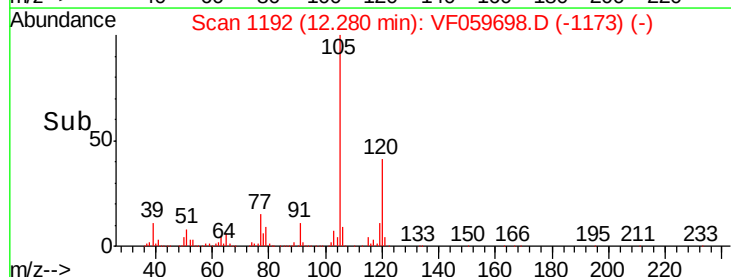
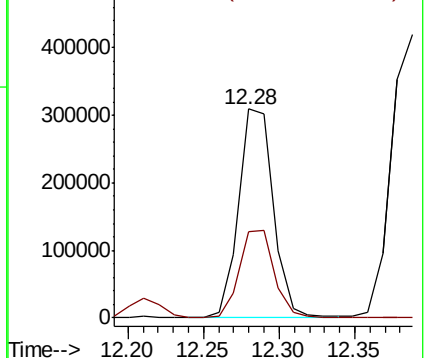
105 100

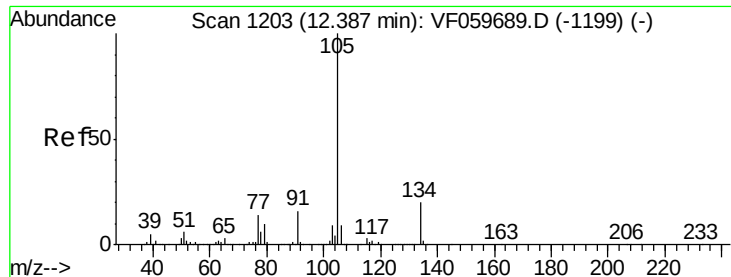
120 41.2 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.588 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

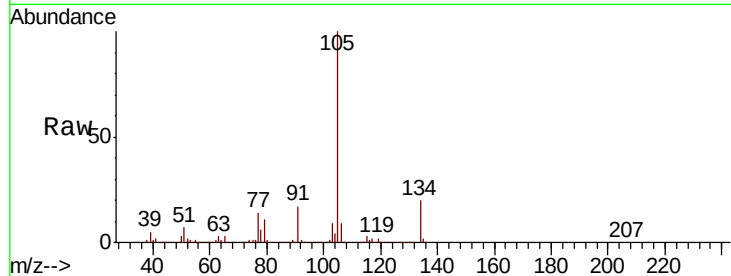
ClientSampleId :

Tot Ion:105 Resp: 639110

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

400000

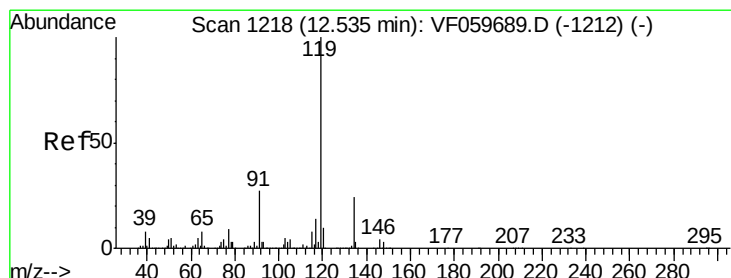
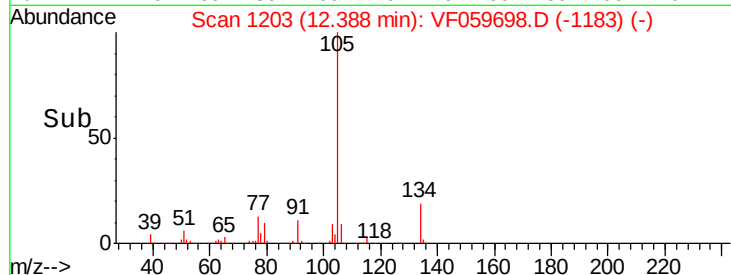
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 52.615 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

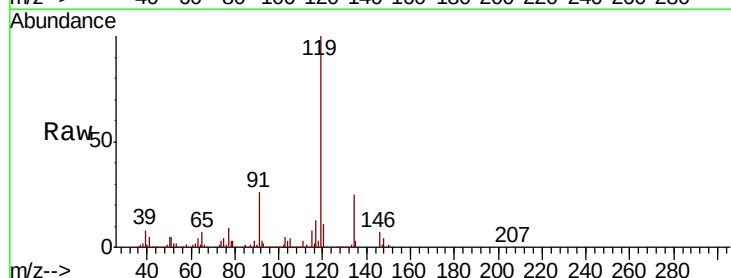
Tgt Ion:119 Resp: 566961

Ion Ratio Lower Upper

119 100

134 24.7 12.2 36.6

91 25.9 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.54

500000

400000

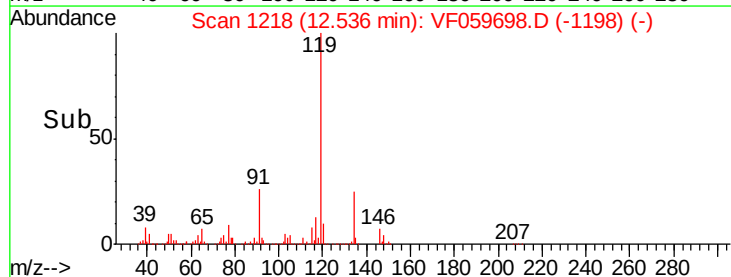
300000

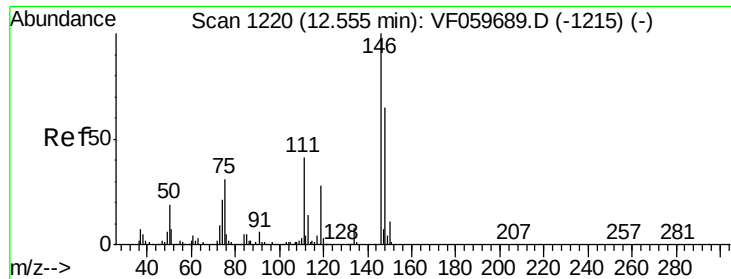
200000

100000

0

Time--> 12.50 12.60

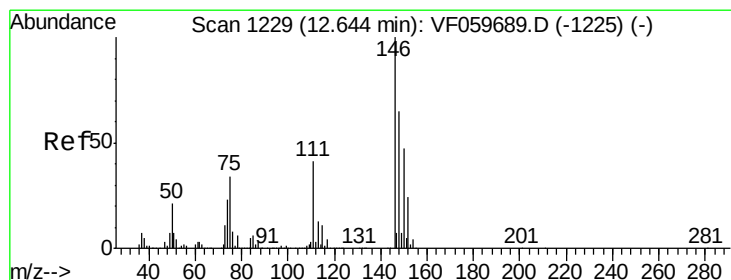
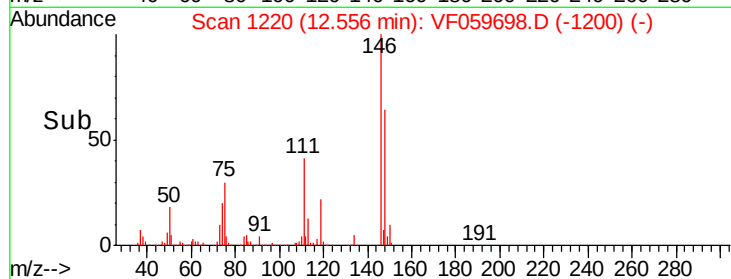
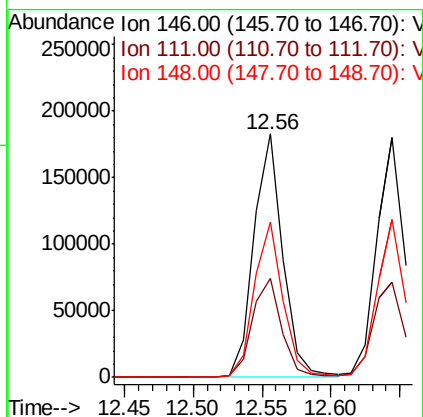
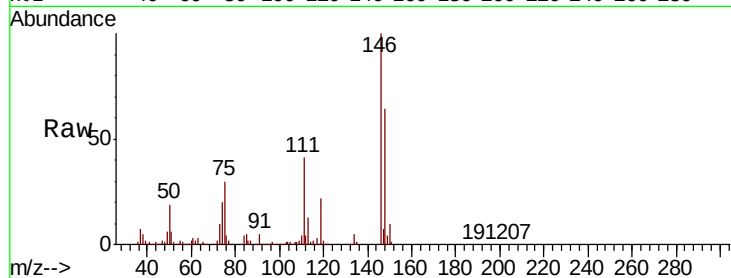




#87
 1,3-Dichlorobenzene
 Concen: 51.799 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

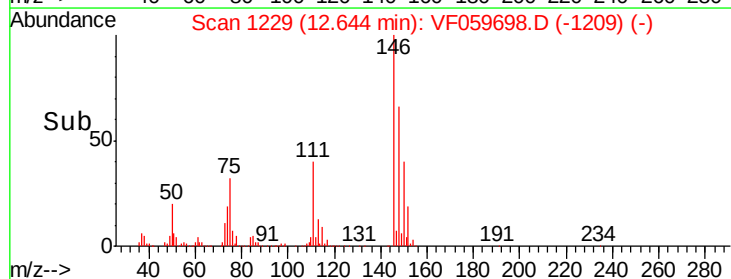
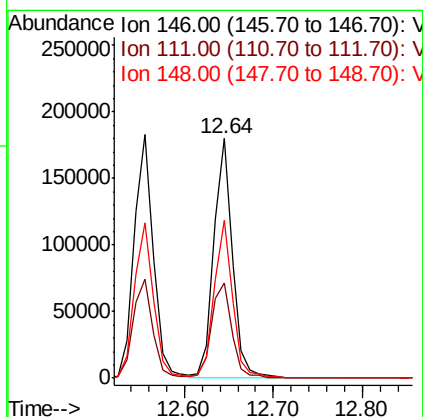
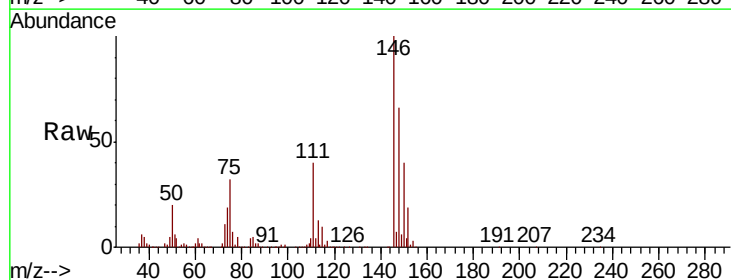
Instrument :
 MSVOA_F
 ClientSampleId :

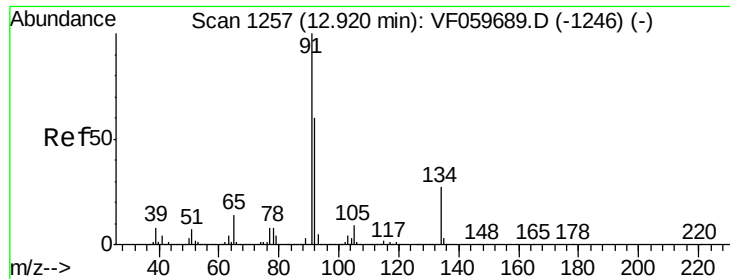
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.0	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 49.972 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	65.7	32.3	96.9





#89

n-Butylbenzene

Concen: 51.186 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

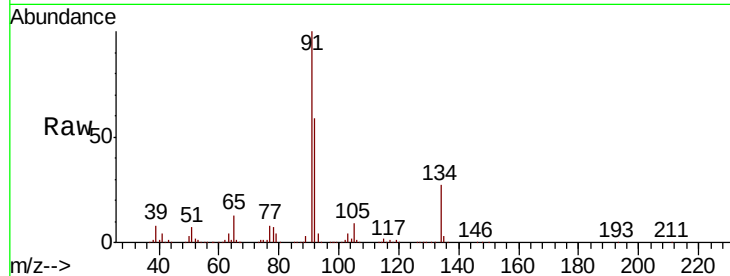
Tot Ion: 91 Resp: 525028

Ion Ratio Lower Upper

91 100

92 58.8 30.1 90.3

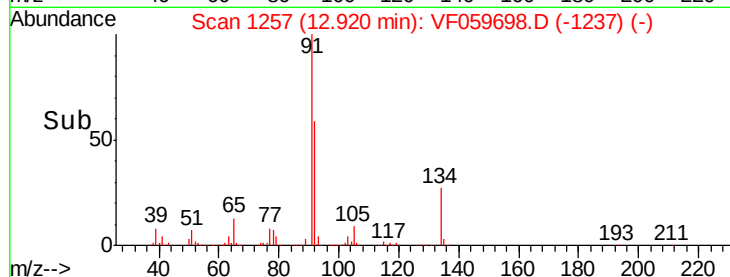
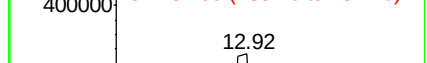
134 27.2 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

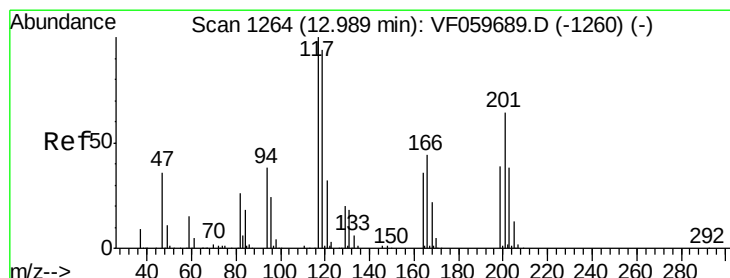
Ion 134.00 (133.70 to 134.70): V



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 46.775 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059698.D

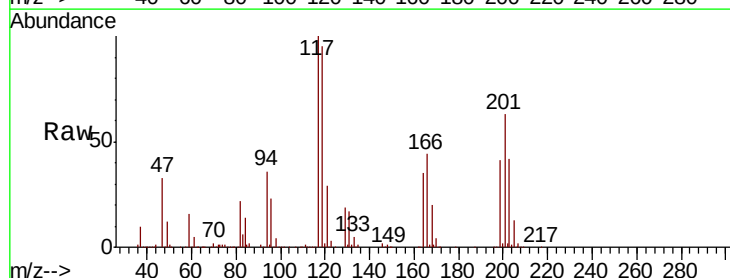
Acq: 30 Jul 2018 20:27

Tgt Ion: 117 Resp: 143566

Ion Ratio Lower Upper

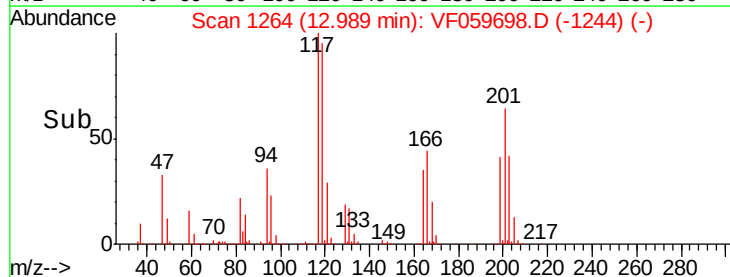
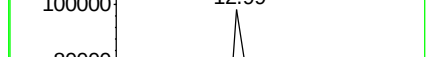
117 100

201 63.4 31.9 95.5



Abundance Ion 117.00 (116.70 to 117.70): V

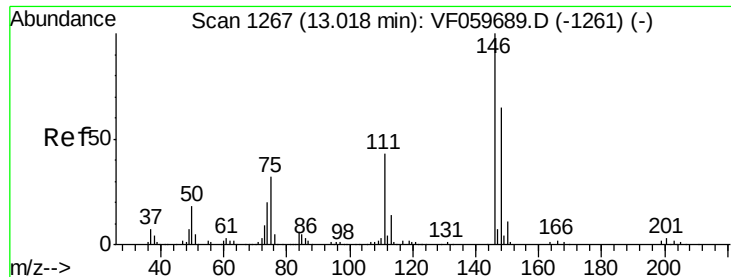
Ion 201.00 (200.70 to 201.70): V



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 53.042 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

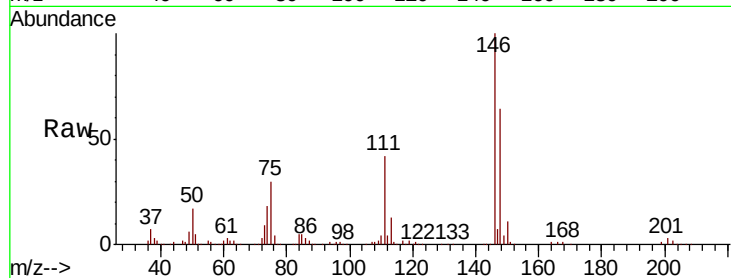
Tot Ion:146 Resp: 267914

Ion Ratio Lower Upper

146 100

111 42.3 21.6 65.0

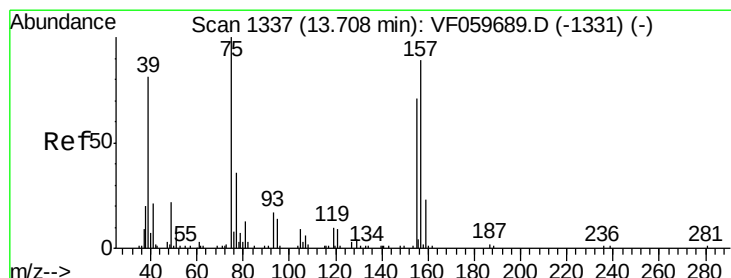
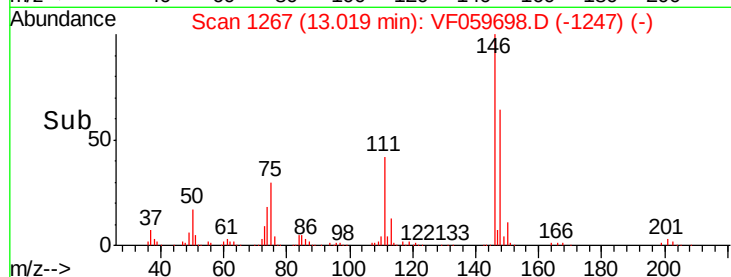
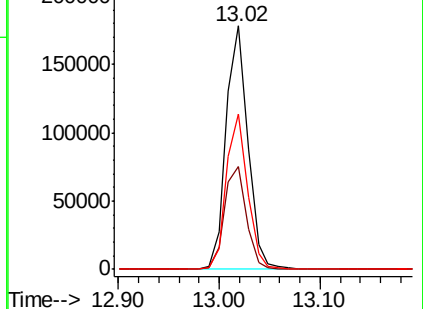
148 63.8 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.145 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

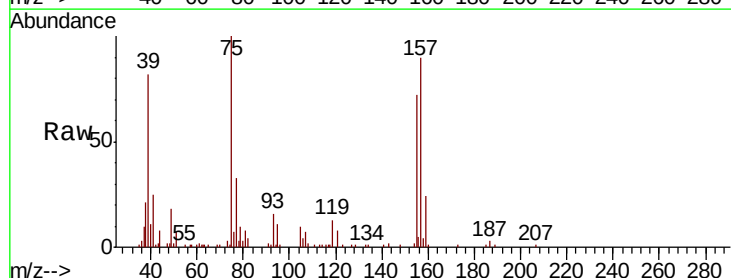
Tgt Ion: 75 Resp: 28080

Ion Ratio Lower Upper

75 100

155 72.5 35.4 106.2

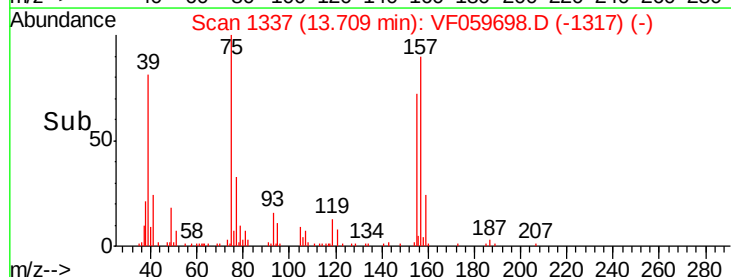
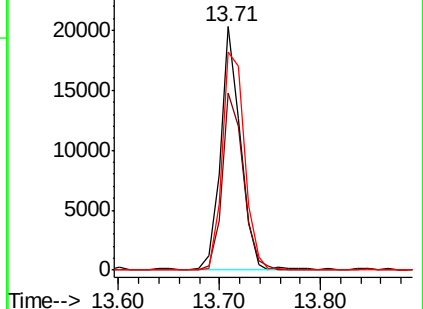
157 89.8 44.4 133.2

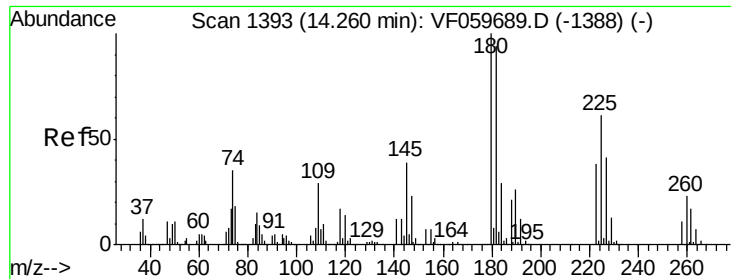


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

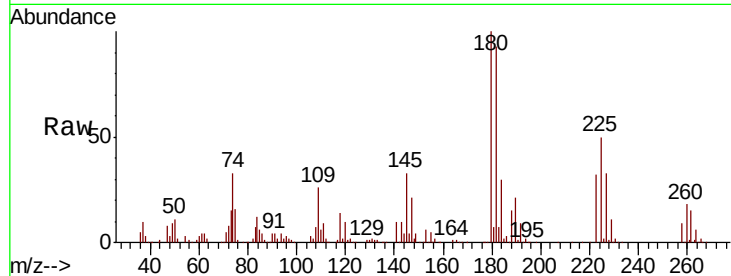




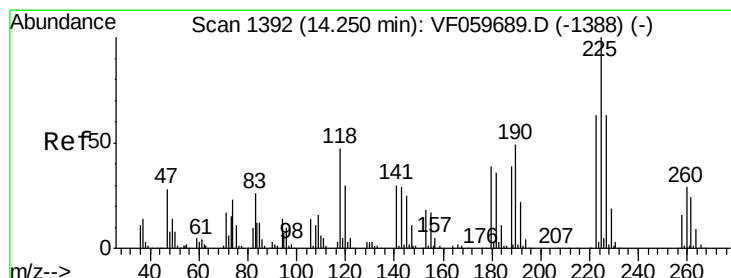
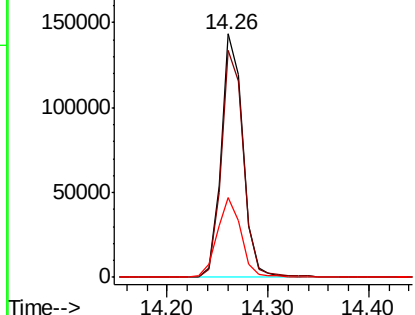
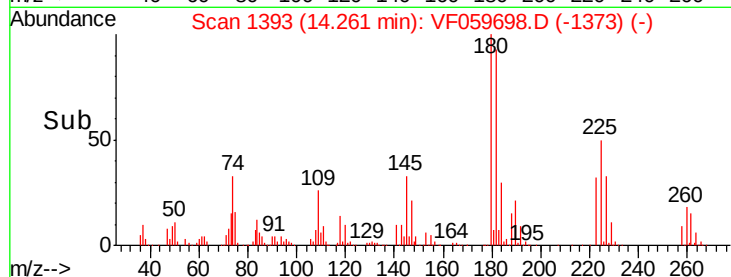
#93
 1,2,4-Trichlorobenzene
 Concen: 53.936 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 216358
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.2 141.6
 145 32.9 19.3 57.9

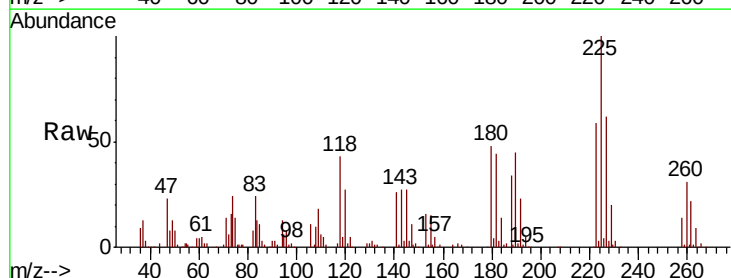


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

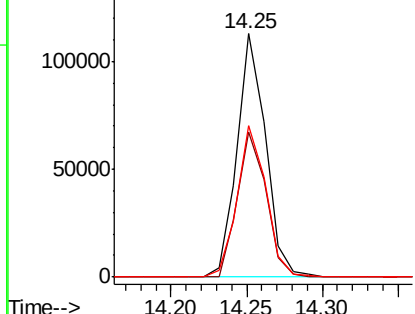
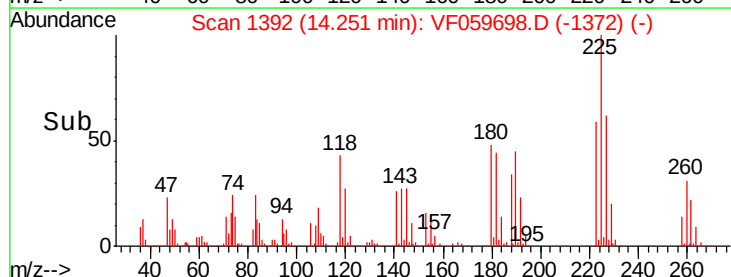


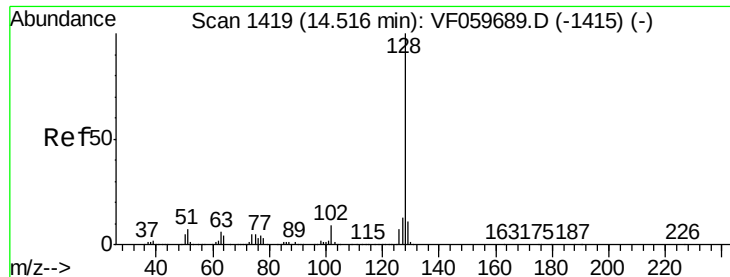
#94
 Hexachlorobutadiene
 Concen: 48.482 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion:225 Resp: 147478
 Ion Ratio Lower Upper
 225 100
 223 59.4 31.4 94.2
 227 62.2 31.5 94.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

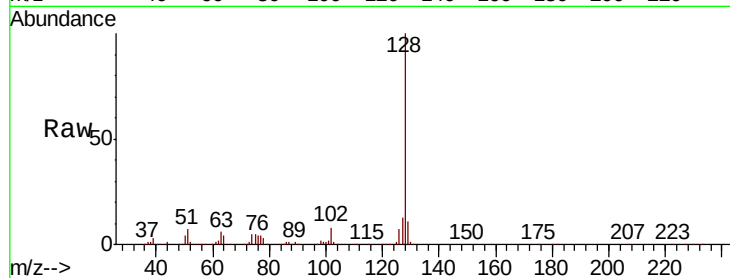




#95
Naphthalene
Concen: 50.814 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	11.1	8.6	13.0

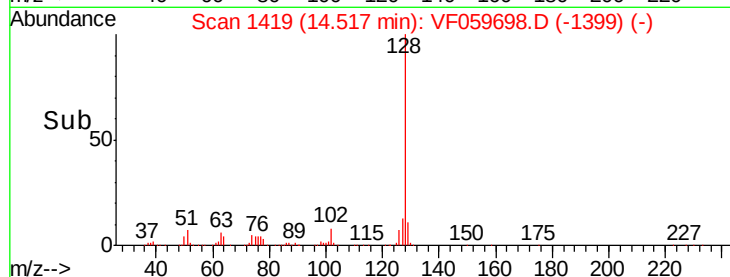
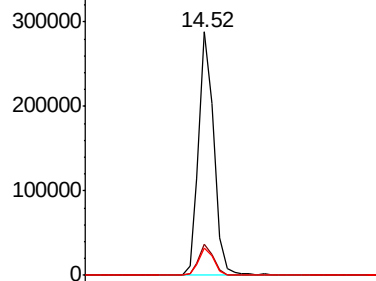


Abundance

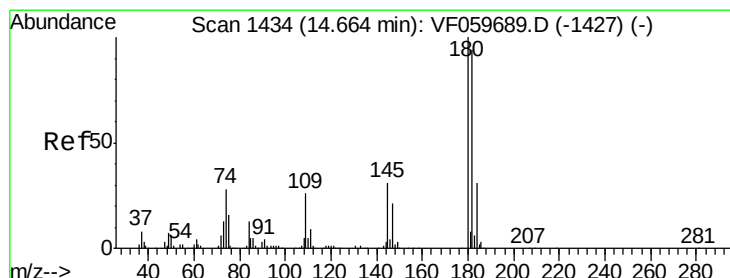
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

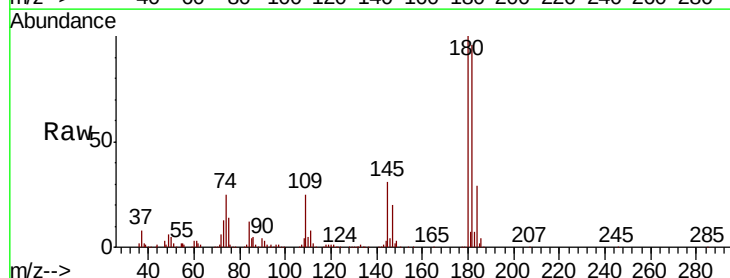


Time-->



#96
1,2,3-Trichlorobenzene
Concen: 47.293 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.2	141.6
145	31.3	15.6	46.7

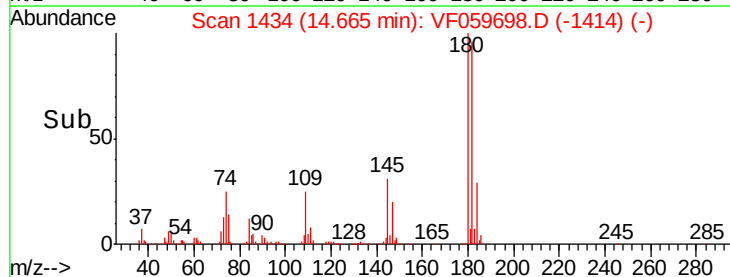
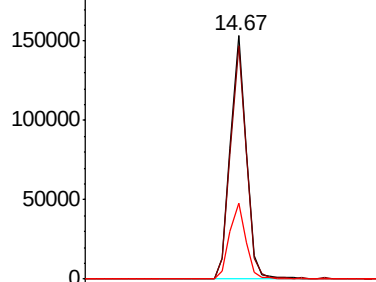


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->