

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059692.D
 Acq On : 30 Jul 2018 16:53
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:52:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	202176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	286228	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	265945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	338043	106.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.90%	
35) Dibromofluoromethane	4.28	113	281068	102.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.20%	
50) Toluene-d8	7.70	98	668448	100.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.84%	
62) 4-Bromofluorobenzene	11.51	95	357464	99.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	213120	102.083	ug/l	95
3) Chloromethane	1.09	50	113404	96.085	ug/l	96
4) Vinyl Chloride	1.16	62	124431	99.591	ug/l #	89
5) Bromomethane	1.33	94	106092	97.549	ug/l	98
6) Chloroethane	1.41	64	79838	102.422	ug/l #	83
7) Trichlorofluoromethane	1.53	101	217677	57.937	ug/l	99
8) Diethyl Ether	1.70	74	58266	109.471	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	184900	92.568	ug/l	96
10) Methyl Iodide	1.96	142	285302	97.589	ug/l	94
11) Tert butyl alcohol	2.68	59	69407	509.147	ug/l	98
12) 1,1-Dichloroethene	1.85	96	143908	97.379	ug/l	87
13) Acrolein	2.08	56	39565	655.762	ug/l	81
14) Allyl chloride	2.18	41	237356	98.190	ug/l	89
15) Acrylonitrile	3.07	53	113602	546.708	ug/l	89
16) Acetone	2.34	43	299917	518.356	ug/l	96
17) Carbon Disulfide	1.84	76	98708	27.478	ug/l	95
18) Methyl Acetate	2.45	43	97119	100.274	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	430816	104.319	ug/l	100
20) Methylene Chloride	2.27	84	66522	31.220	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	136483	90.045	ug/l	95
22) Diisopropyl ether	2.92	45	507239	104.976	ug/l	95
23) Vinyl Acetate	3.33	43	1324297	552.845	ug/l	100
24) 1,1-Dichloroethane	2.99	63	334986	97.438	ug/l	97
25) 2-Butanone	4.51	43	305447	479.137	ug/l #	78
26) 2,2-Dichloropropane	3.75	77	236734	84.651	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	171265	96.333	ug/l	94
28) Bromochloromethane	3.88	49	117328	92.637	ug/l	93
29) Tetrahydrofuran	4.25	42	120926	472.602	ug/l	94
30) Chloroform	4.04	83	458812	94.474	ug/l	97
31) Cyclohexane	3.86	56	168161	85.128	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	352286	88.431	ug/l	99
36) 1,1-Dichloropropene	4.45	75	276421	89.036	ug/l	97
37) Ethyl Acetate	4.28	43	133289	98.419	ug/l #	52
38) Carbon Tetrachloride	4.16	117	395386	86.802	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	209770	83.021	ug/l	91
40) Benzene	4.80	78	509472	92.393	ug/l	95
41) Methacrylonitrile	4.91	41	68146	102.184	ug/l #	94
42) 1,2-Dichloroethane	5.11	62	355305	99.023	ug/l	98
43) Isopropyl Acetate	7.11	43	159844	113.989	ug/l #	99
44) Trichloroethene	5.67	130	185244	86.738	ug/l	93
45) 1,2-Dichloropropane	6.39	63	140255	95.710	ug/l	95
46) Dibromomethane	6.25	93	131202	103.104	ug/l #	78
47) Bromodichloromethane	6.54	83	369626	99.139	ug/l	99
48) Methyl methacrylate	6.86	41	120924	109.875	ug/l	91
49) 1,4-Dioxane	6.86	88	19608	2232.563	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	588008	521.073	ug/l	98
52) Toluene	7.77	92	363161	88.665	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	302794	101.534	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	310215	100.252	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	144341	106.103	ug/l	94
56) Ethyl methacrylate	8.76	69	164197	113.853	ug/l	95
57) 1,3-Dichloropropane	8.99	76	242451	103.064	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	79743	457.953	ug/l	100
59) 2-Hexanone	9.62	43	465601	556.230	ug/l	94
60) Dibromochloromethane	8.86	129	258909	105.497	ug/l	98
61) 1,2-Dibromoethane	9.13	107	173449	105.435	ug/l	95
64) Tetrachloroethene	8.30	164	187242	88.360	ug/l	97
65) Chlorobenzene	9.94	112	481492	93.184	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	235285	98.935	ug/l	98
67) Ethyl Benzene	10.04	91	870790	92.934	ug/l	100
68) m/p-Xylenes	10.26	106	598357	184.526	ug/l	96
69) o-Xylene	10.83	106	341583	97.544	ug/l	93
70) Styrene	10.90	104	495086	97.214	ug/l	97
71) Bromoform	10.89	173	158757	108.258	ug/l #	96
73) Isopropylbenzene	11.22	105	1054391	87.669	ug/l	98
74) N-amyl acetate	11.46	43	283026	114.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	198302	100.407	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	160803	99.137	ug/l	92
77) Bromobenzene	11.60	156	265908	91.088	ug/l	89
78) n-propylbenzene	11.68	91	1177981	85.015	ug/l	98
79) 2-Chlorotoluene	11.81	91	747708	88.669	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	915642	86.737	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	96379	114.435	ug/l	98
82) 4-Chlorotoluene	11.99	91	799695	90.002	ug/l	94
83) tert-Butylbenzene	12.22	119	924586	86.667	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	944293	87.059	ug/l	97
85) sec-Butylbenzene	12.38	105	1201451	85.599	ug/l	99
86) p-Isopropyltoluene	12.53	119	1040383	86.199	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	488621	85.834	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	495647	91.392	ug/l	98
89) n-Butylbenzene	12.92	91	963210	82.523	ug/l	98
90) Hexachloroethane	13.00	117	259136	84.345	ug/l	79
91) 1,2-Dichlorobenzene	13.02	146	470841	88.964	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	55913	116.399	ug/l	85

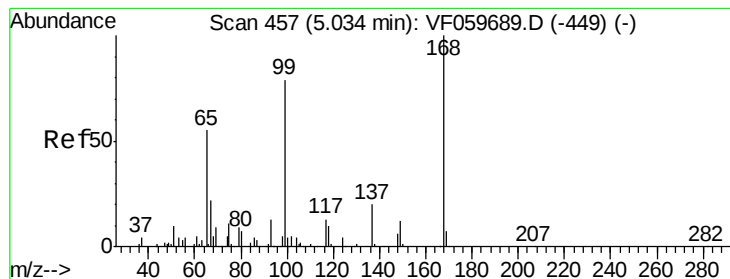
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	386567	91.140	ug/l	95
94) Hexachlorobutadiene	14.26	225	270429	86.664	ug/l	98
95) Naphthalene	14.52	128	740831	109.616	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	384350	99.689	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

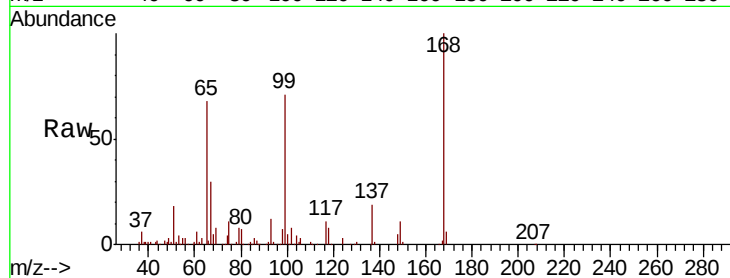
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 202176

Ion Ratio Lower Upper

168 100

99 71.3 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

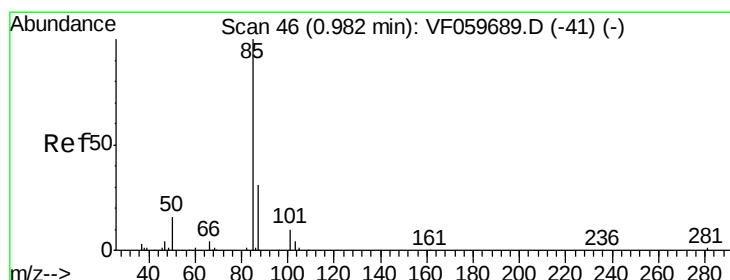
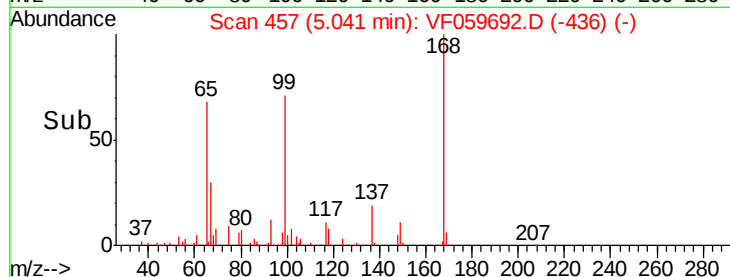
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 102.083 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059692.D

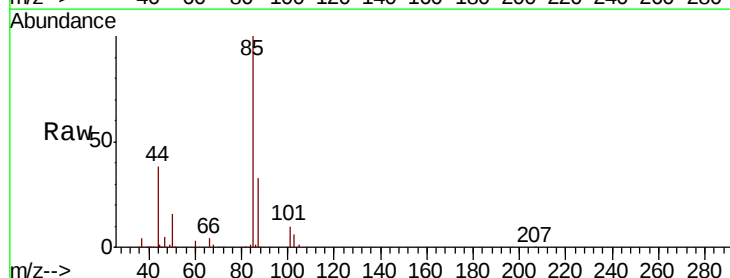
Acq: 30 Jul 2018 16:53

Tgt Ion: 85 Resp: 213120

Ion Ratio Lower Upper

85 100

87 33.0 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

60000

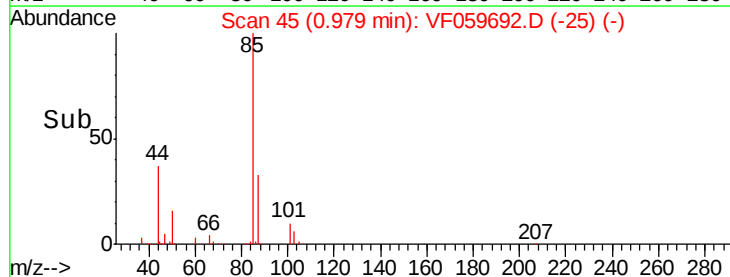
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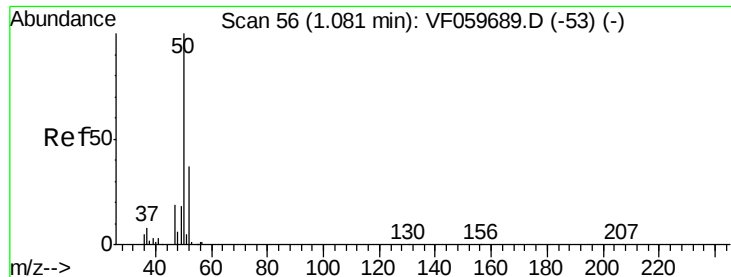
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 96.085 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

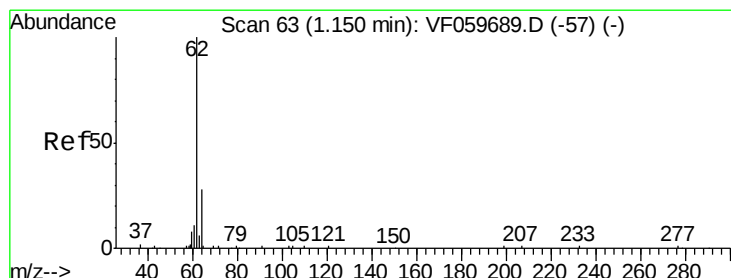
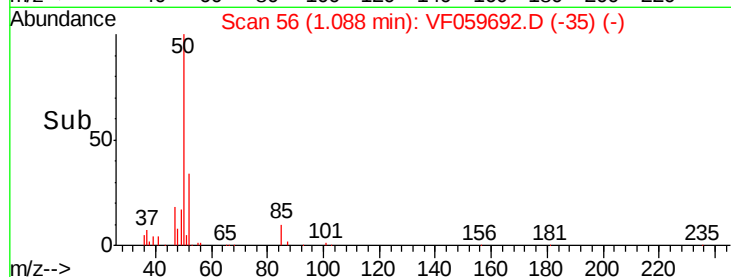
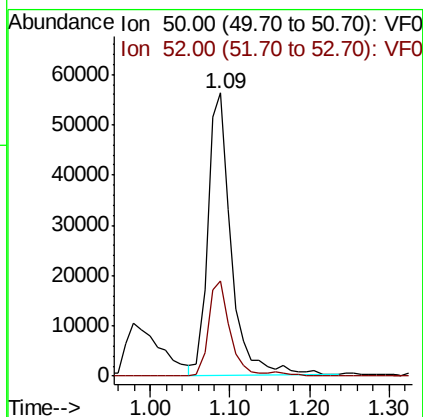
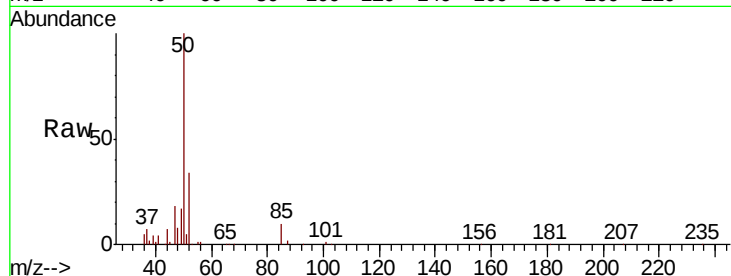
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 113404

Ion Ratio Lower Upper

50 100

52 33.9 29.1 43.7



#4

Vinyl Chloride

Concen: 99.591 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059692.D

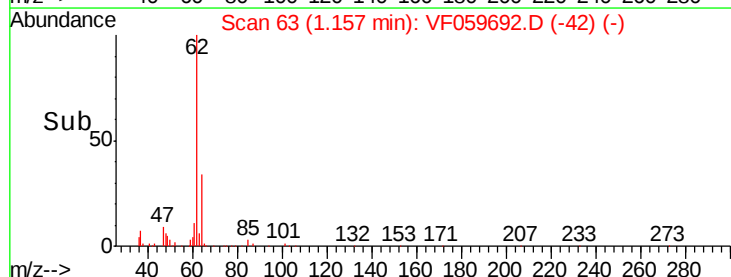
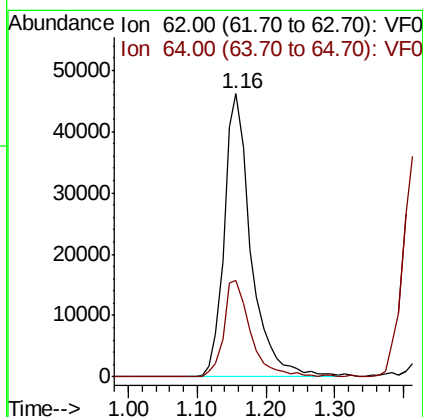
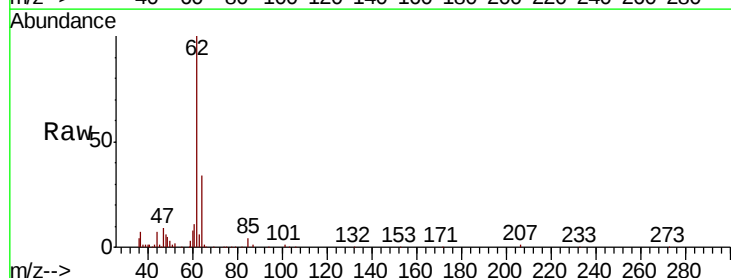
Acq: 30 Jul 2018 16:53

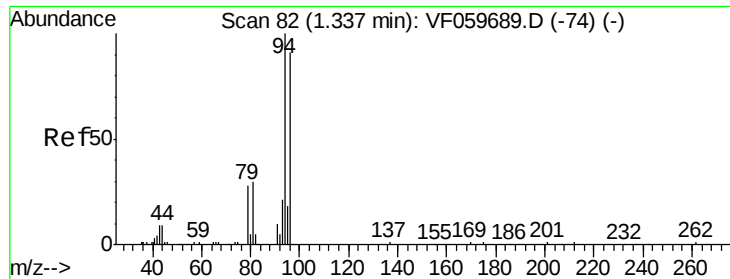
Tgt Ion: 62 Resp: 124431

Ion Ratio Lower Upper

62 100

64 34.0 22.6 33.8#





#5

Bromomethane

Concen: 97.549 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

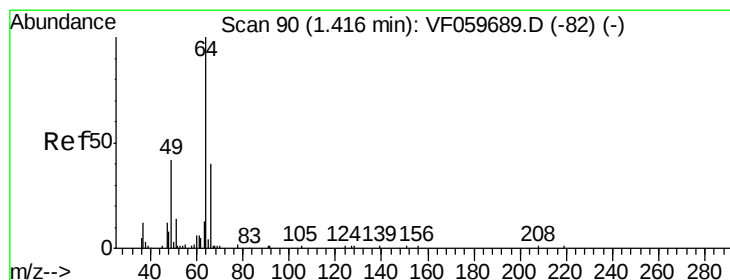
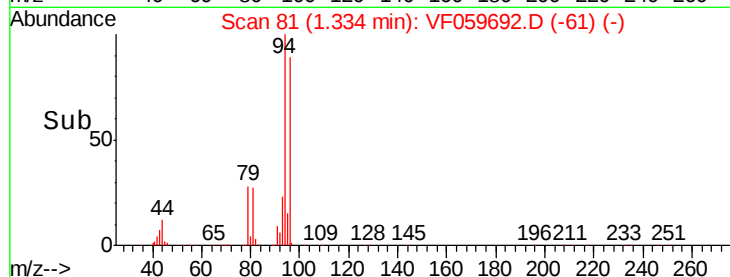
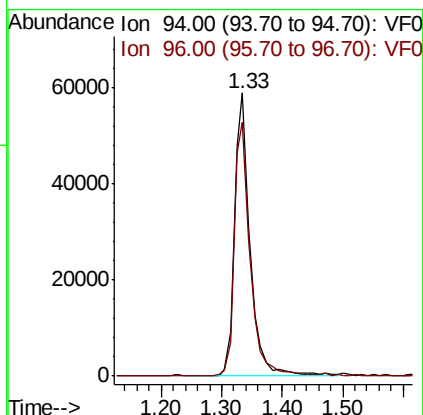
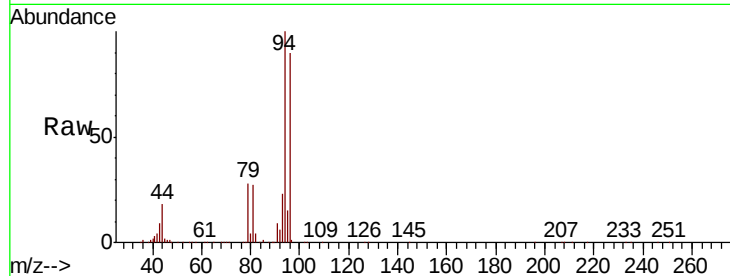
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 106092

Ion Ratio Lower Upper

94 100

96 90.5 73.6 110.4



#6

Chloroethane

Concen: 102.422 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059692.D

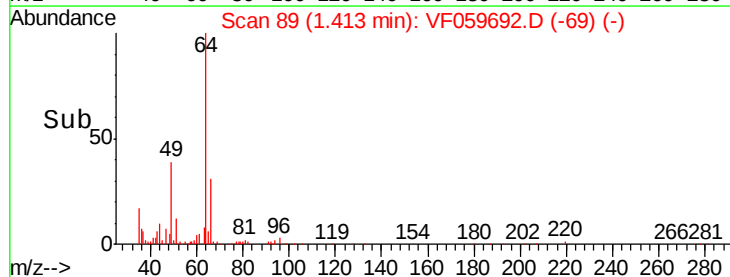
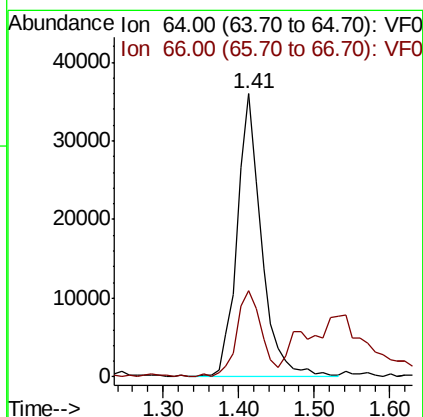
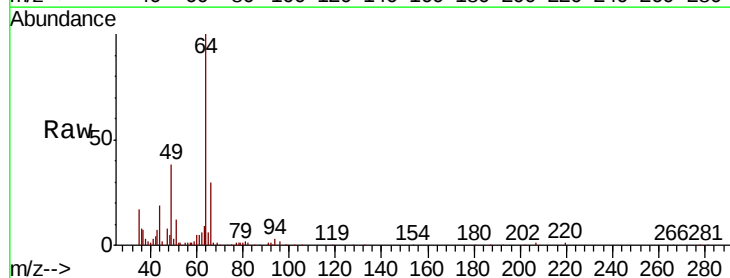
Acq: 30 Jul 2018 16:53

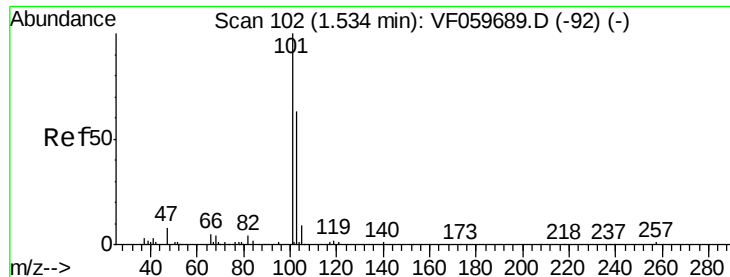
Tgt Ion: 64 Resp: 79838

Ion Ratio Lower Upper

64 100

66 30.4 32.6 49.0#



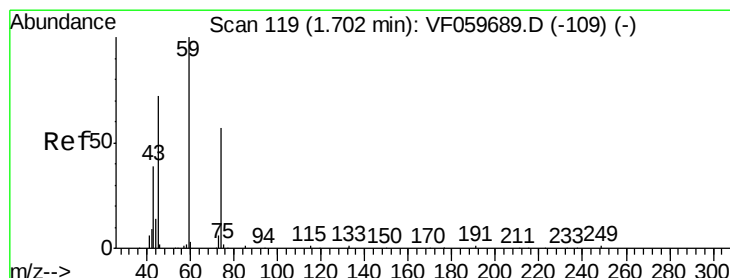
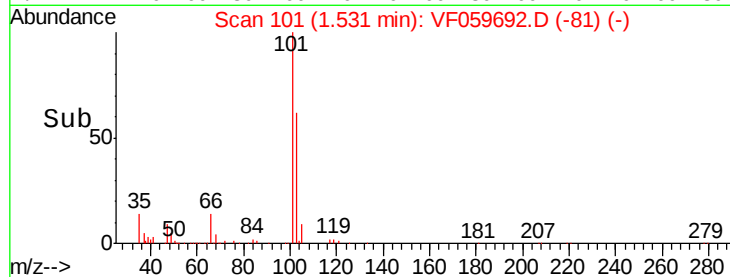
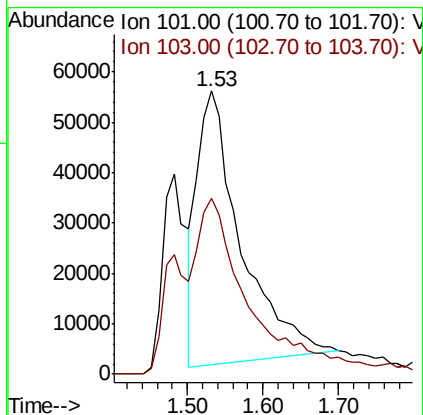
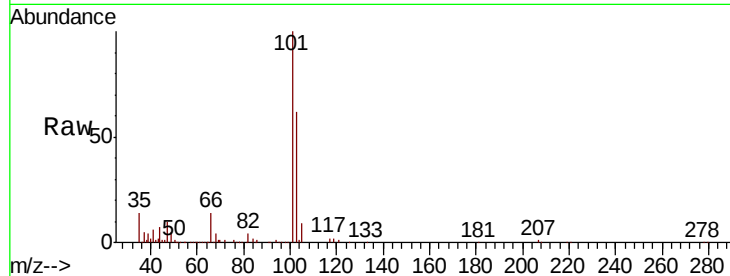


#7

Trichlorofluoromethane
Concen: 57.937 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :

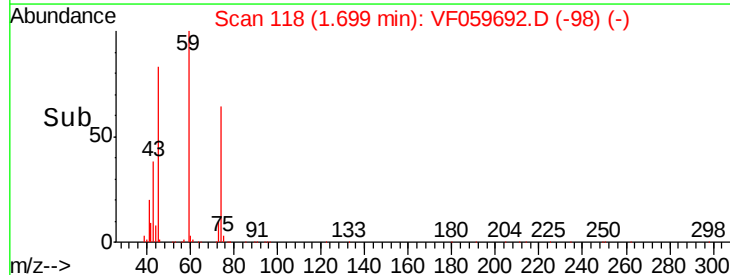
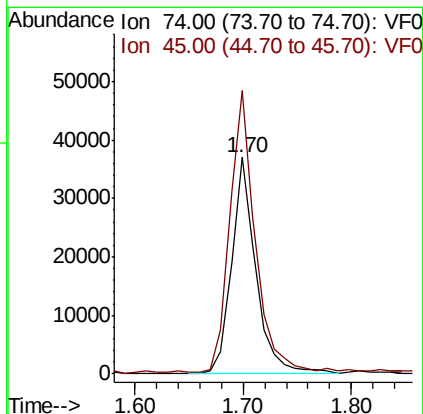
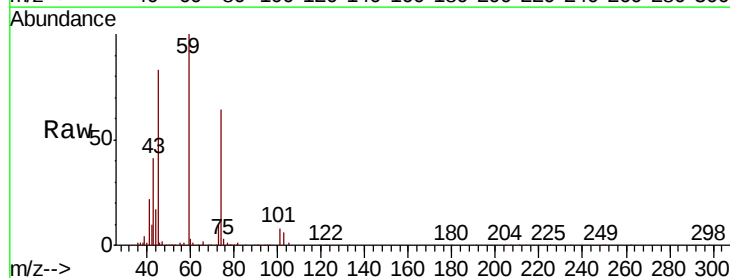
Tot Ion:101 Resp: 217677
Ion Ratio Lower Upper
101 100
103 62.3 50.8 76.2

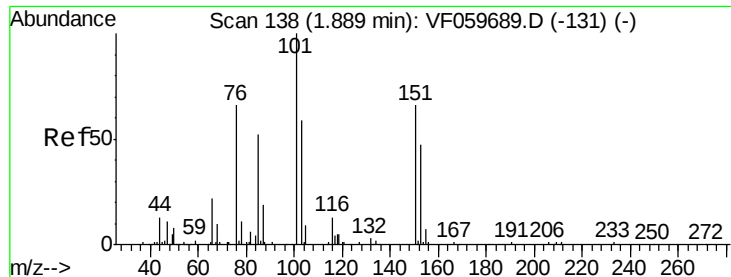


#8

Diethyl Ether
Concen: 109.471 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion: 74 Resp: 58266
Ion Ratio Lower Upper
74 100
45 130.6 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.568 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

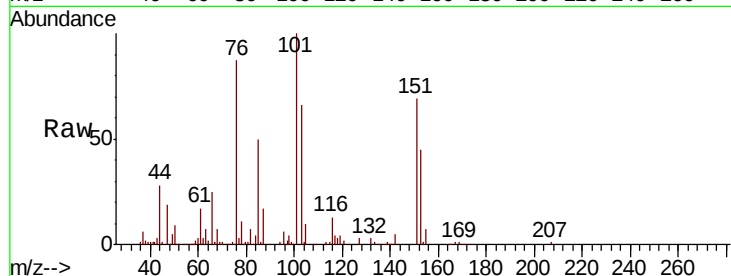
Tot Ion:101 Resp: 184900

Ion Ratio Lower Upper

101 100

85 49.6 40.7 61.1

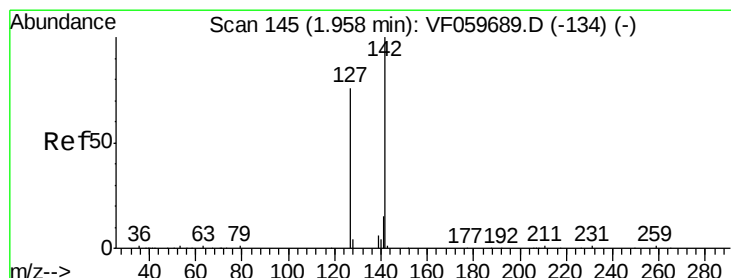
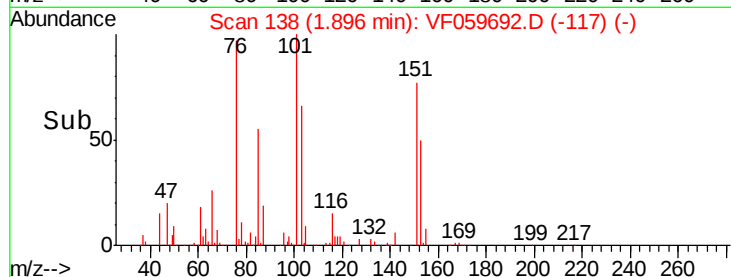
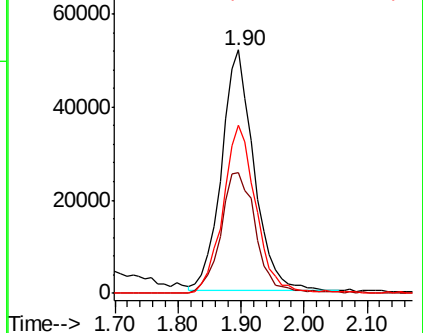
151 68.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 97.589 ug/l

RT: 1.96 min Scan# 144

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

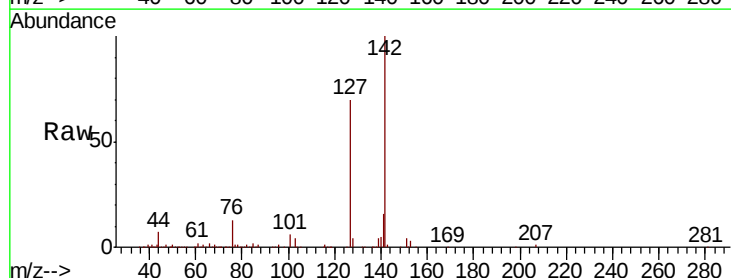
Tgt Ion:142 Resp: 285302

Ion Ratio Lower Upper

142 100

127 70.0 60.6 91.0

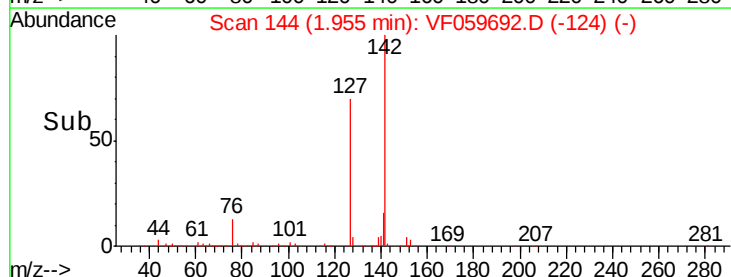
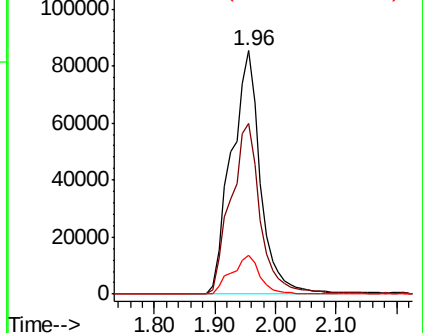
141 15.8 12.0 18.0

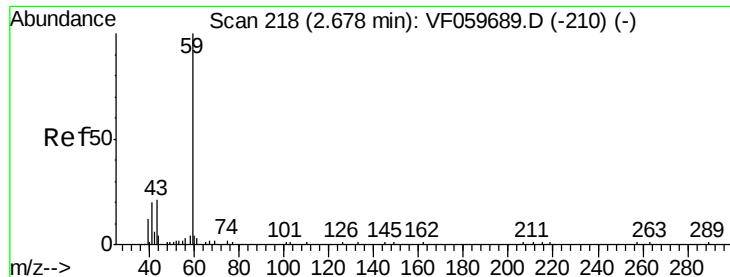


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



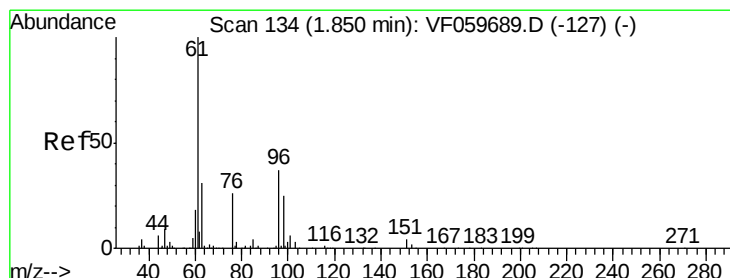
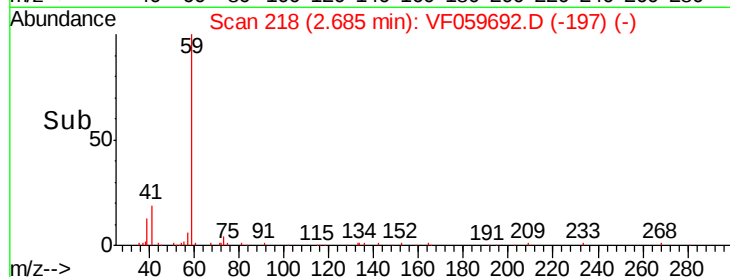
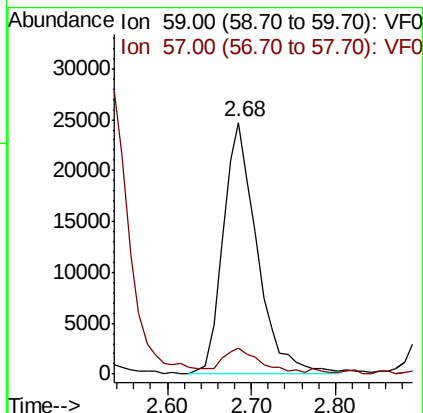
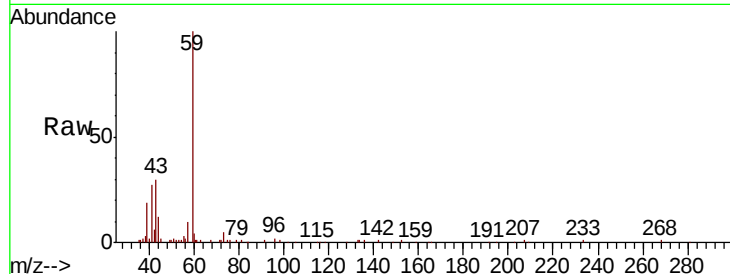


#11

Tert butyl alcohol
 Concen: 509.147 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Instrument :
 MSVOA_F
 ClientSampled :

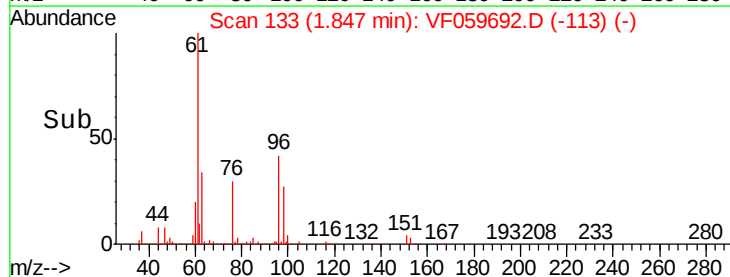
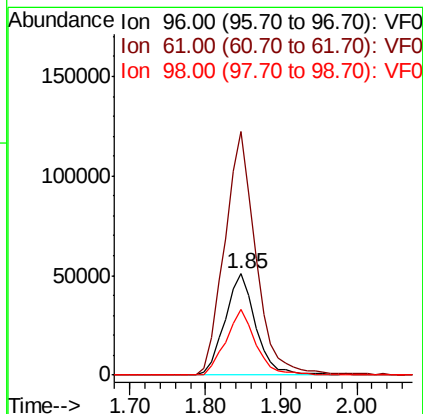
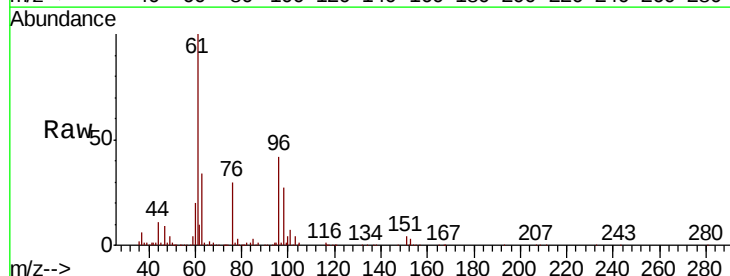
Tot Ion: 59 Resp: 69407
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.6 11.4

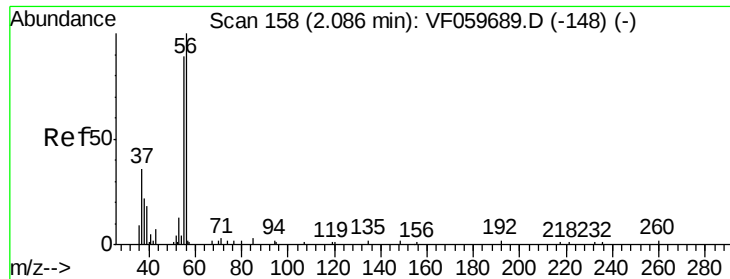


#12

1,1-Dichloroethene
 Concen: 97.379 ug/l
 RT: 1.85 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Tgt Ion: 96 Resp: 143908
 Ion Ratio Lower Upper
 96 100
 61 240.9 215.1 322.7
 98 64.5 54.3 81.5

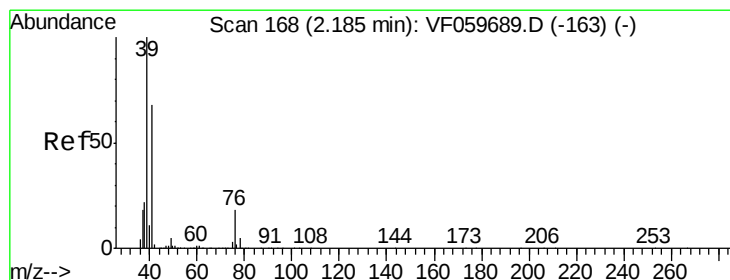
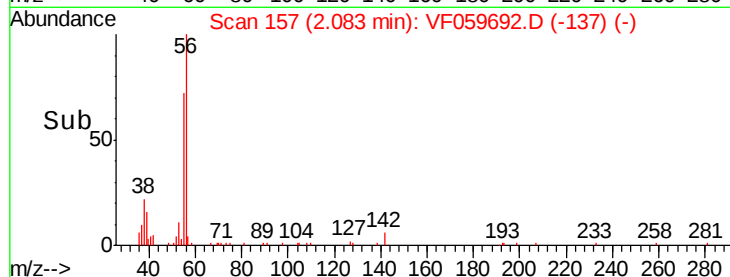
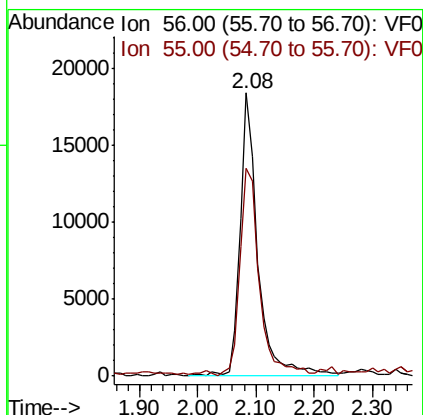
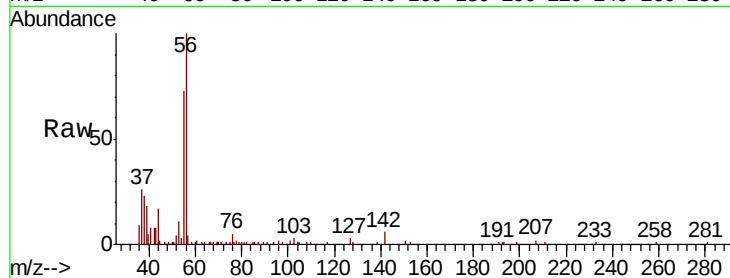




#13
Acrolein
Concen: 655.762 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

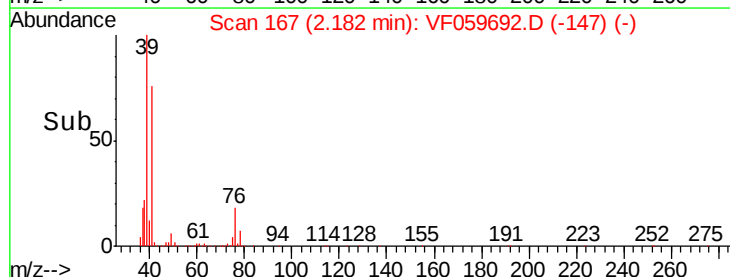
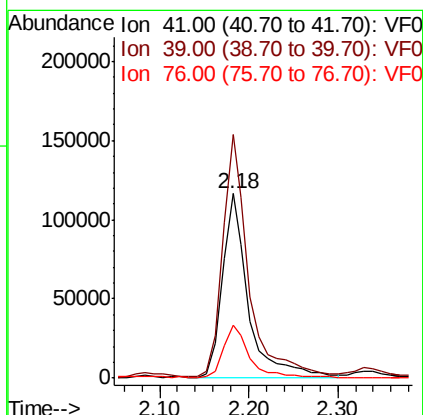
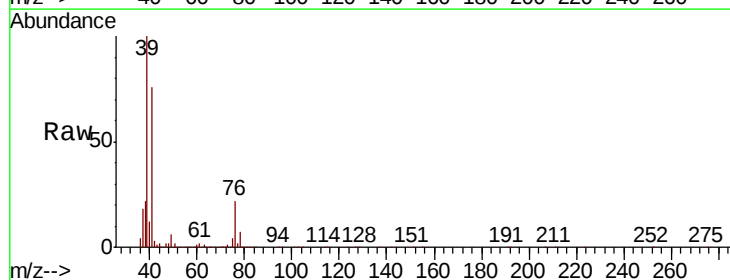
Instrument :
MSVOA_F
ClientSampleId :

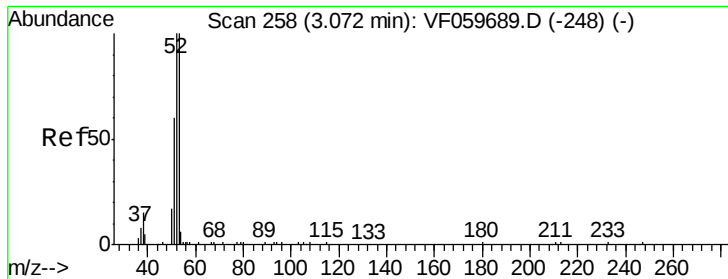
Tot Ion: 56 Resp: 39565
Ion Ratio Lower Upper
56 100
55 73.3 73.2 109.8



#14
Allyl chloride
Concen: 98.190 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion: 41 Resp: 237356
Ion Ratio Lower Upper
41 100
39 132.0 118.1 177.1
76 28.7 22.0 33.0





#15

Acrylonitrile

Concen: 546.708 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

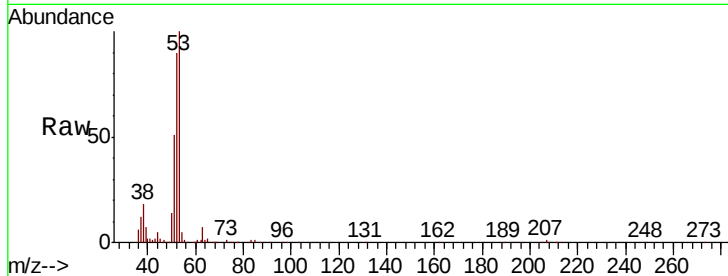
Tot Ion: 53 Resp: 113602

Ion Ratio Lower Upper

53 100

52 90.1 80.3 120.5

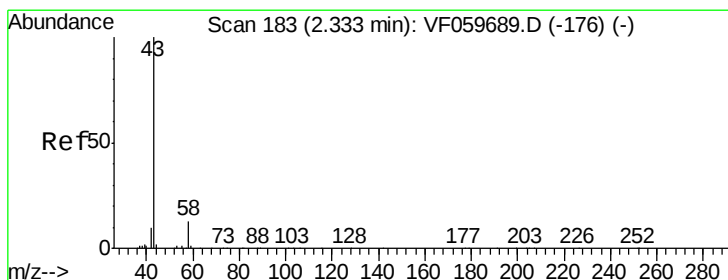
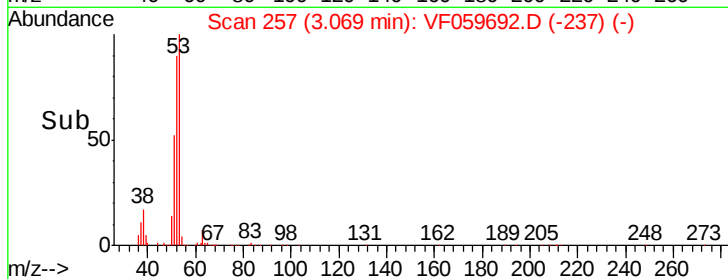
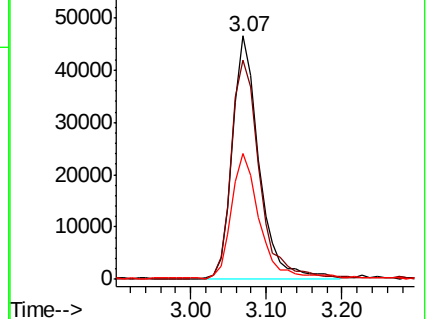
51 51.5 49.4 74.0



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 518.356 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059692.D

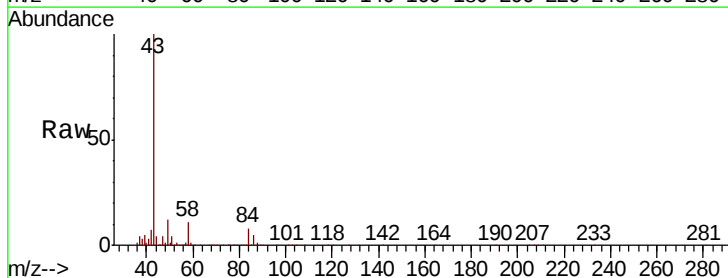
Acq: 30 Jul 2018 16:53

Tgt Ion: 43 Resp: 299917

Ion Ratio Lower Upper

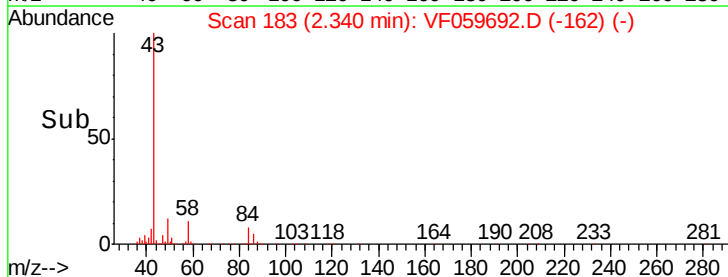
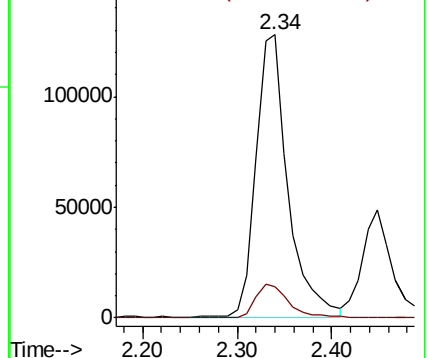
43 100

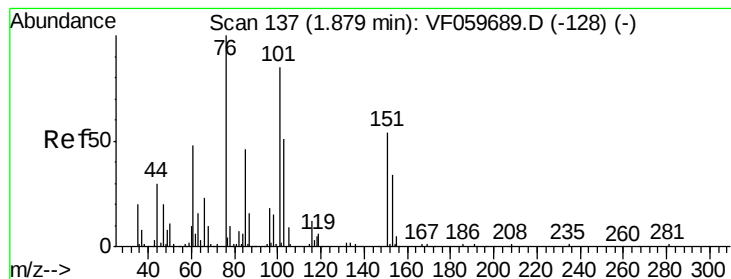
58 11.1 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 27.478 ug/l

RT: 1.84 min Scan# 132

Delta R.T. -0.04 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

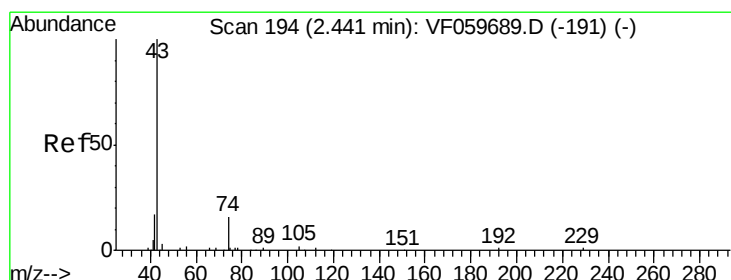
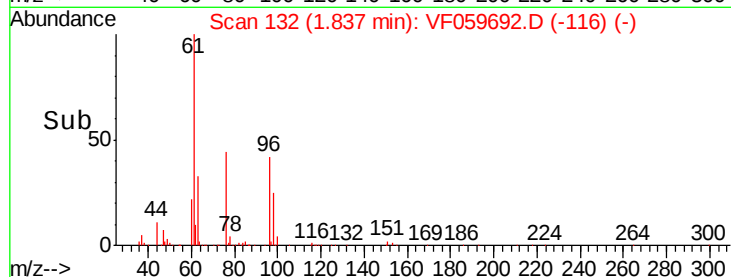
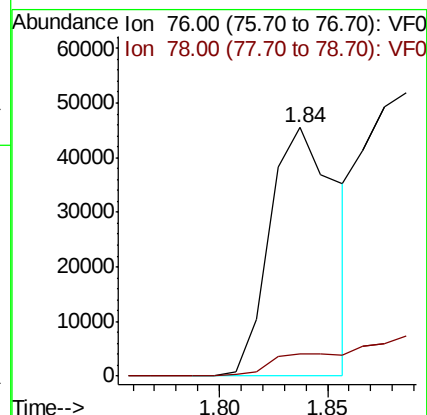
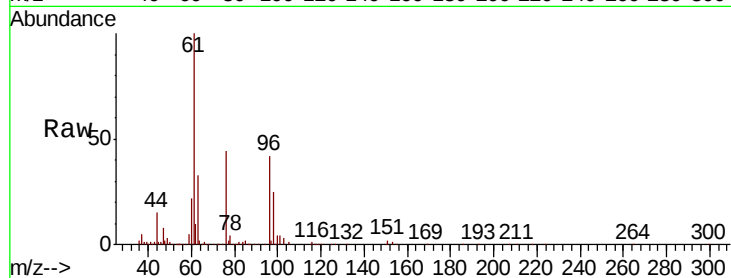
ClientSampleId :

Tot Ion: 76 Resp: 98708

Ion Ratio Lower Upper

76 100

78 9.1 8.9 13.3



#18

Methyl Acetate

Concen: 100.274 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF059692.D

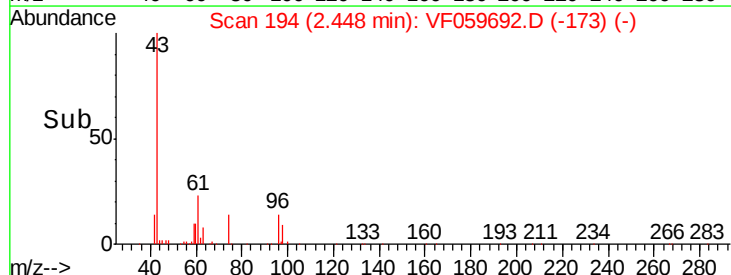
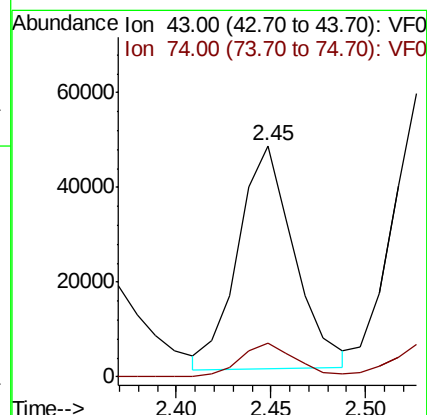
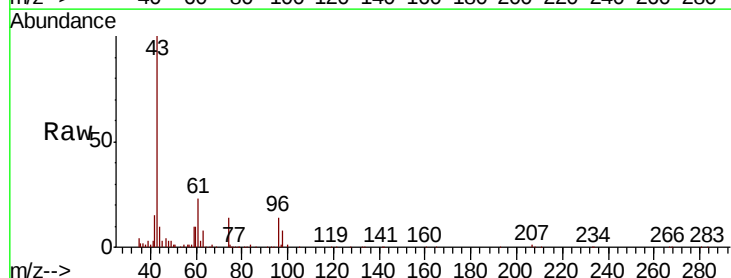
Acq: 30 Jul 2018 16:53

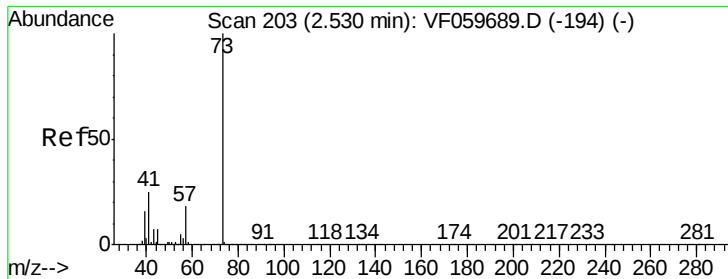
Tgt Ion: 43 Resp: 97119

Ion Ratio Lower Upper

43 100

74 14.4 11.8 17.6



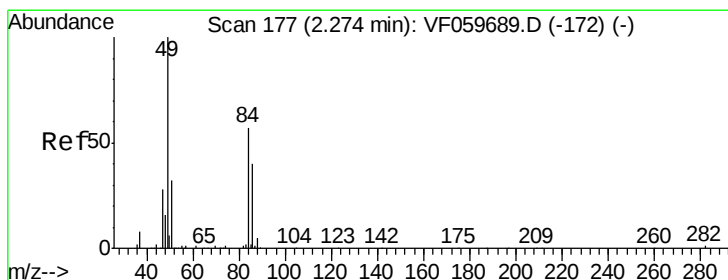
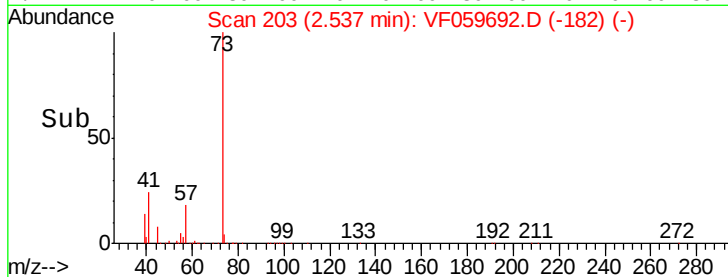
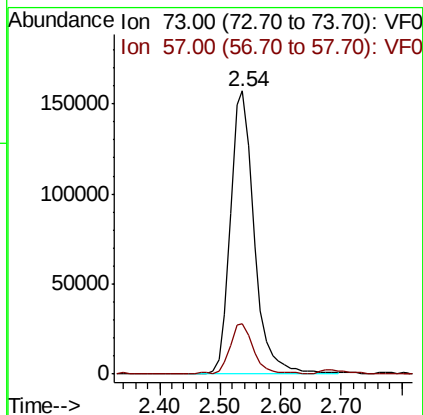
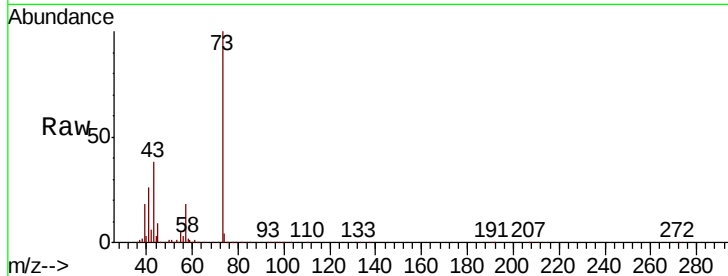


#19

Methyl tert-butyl Ether
 Concen: 104.319 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Instrument :
 MSVOA_F
 ClientSampleId :

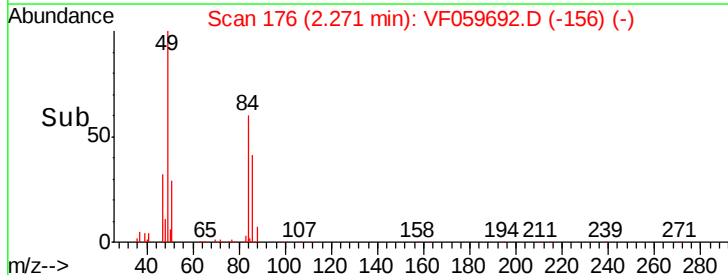
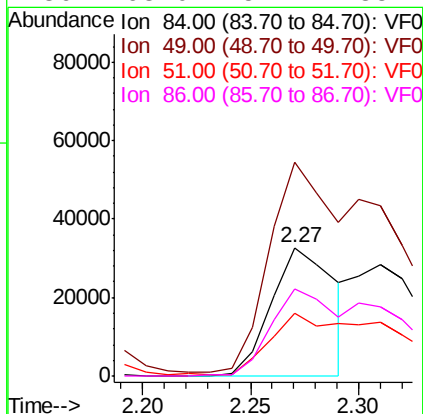
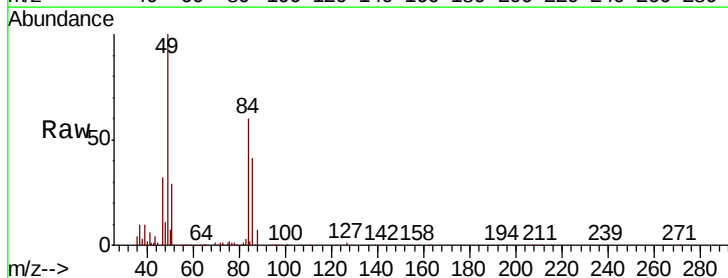
Tot Ion: 73 Resp: 430816
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.2 21.2

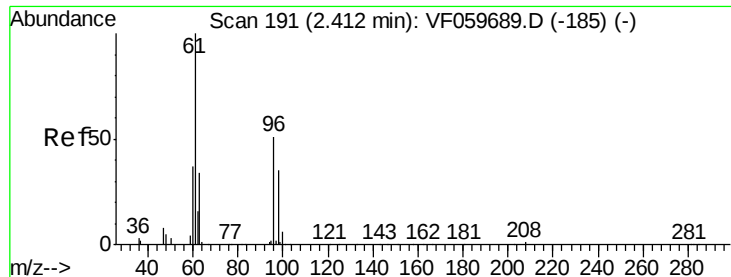


#20

Methylene Chloride
 Concen: 31.220 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Tgt Ion: 84 Resp: 66522
 Ion Ratio Lower Upper
 84 100
 49 166.6 142.2 213.4
 51 49.0 46.2 69.2
 86 68.0 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 90.045 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

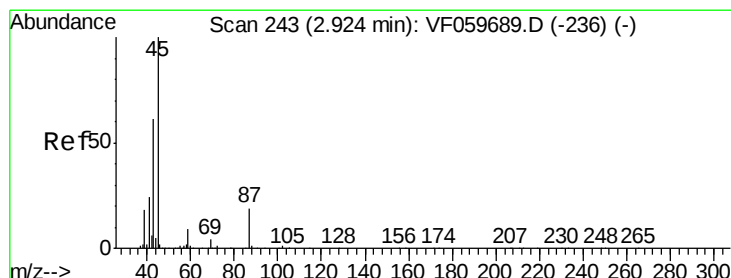
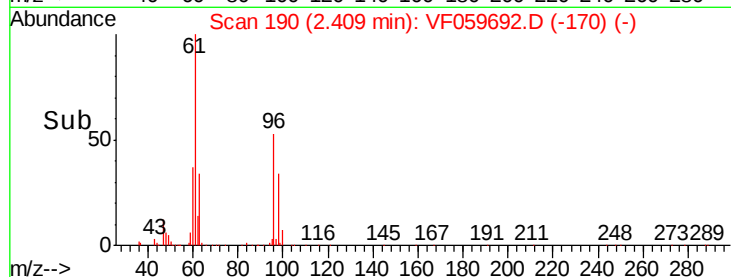
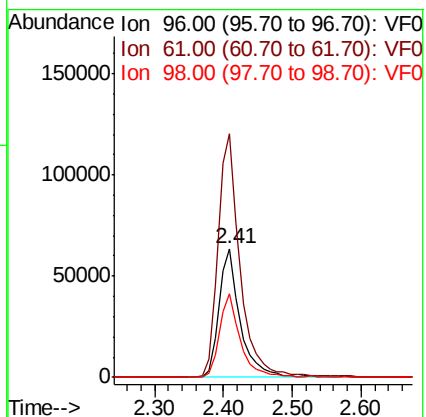
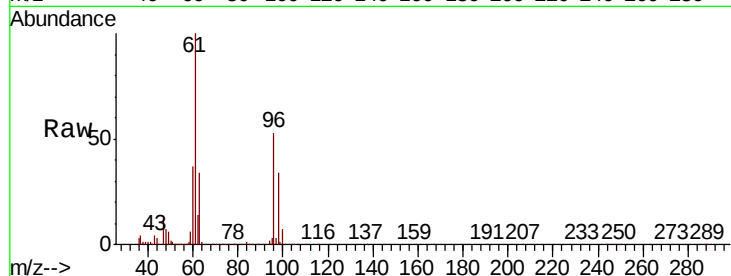
Tot Ion: 96 Resp: 136483

Ion Ratio Lower Upper

96 100

61 188.8 157.4 236.0

98 64.3 55.0 82.4



#22

Diisopropyl ether

Concen: 104.976 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Tgt Ion: 45 Resp: 507239

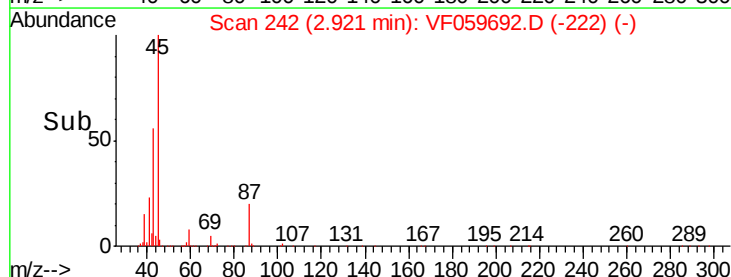
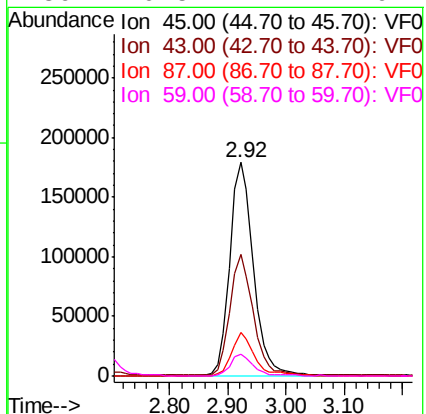
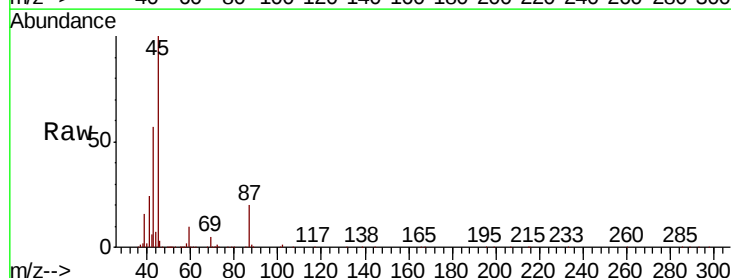
Ion Ratio Lower Upper

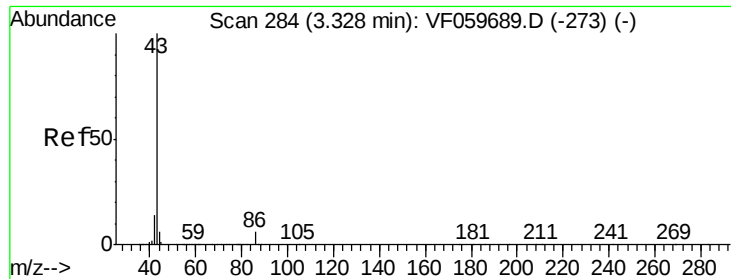
45 100

43 56.9 49.3 73.9

87 20.4 15.3 22.9

59 10.5 7.1 10.7





#23

Vinyl Acetate

Concen: 552.845 ug/l

RT: 3.33 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

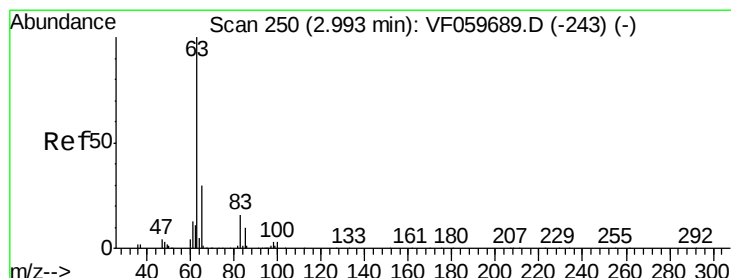
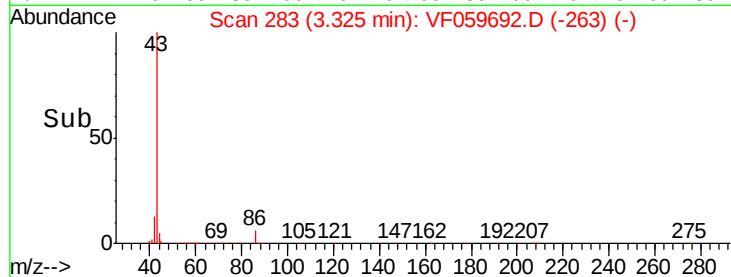
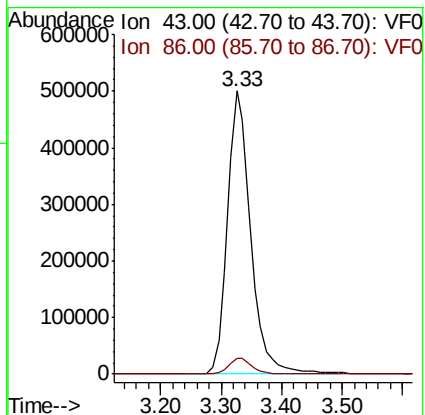
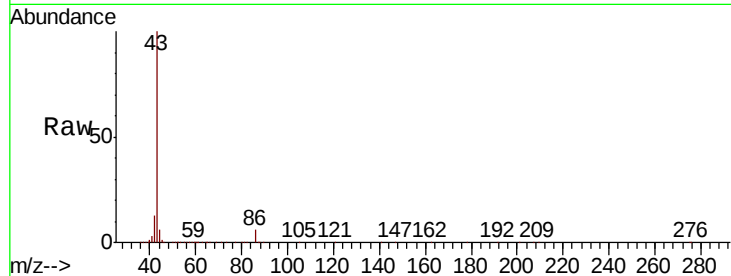
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1324297

Ion Ratio Lower Upper

43 100

86 5.6 4.6 6.8



#24

1,1-Dichloroethane

Concen: 97.438 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

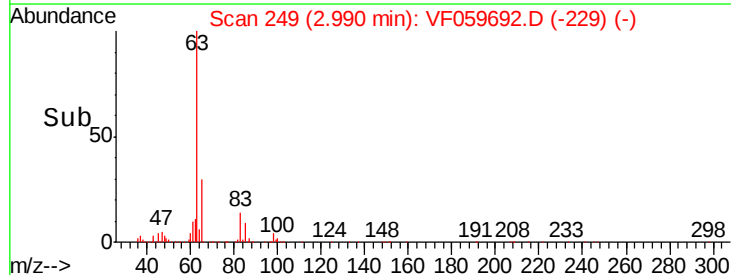
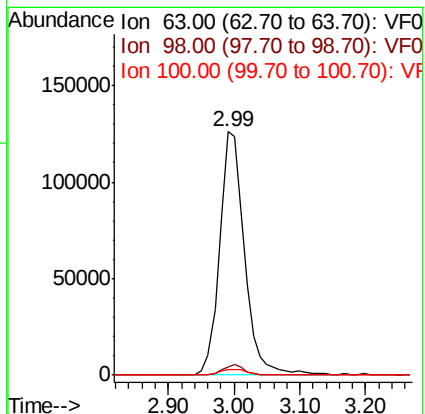
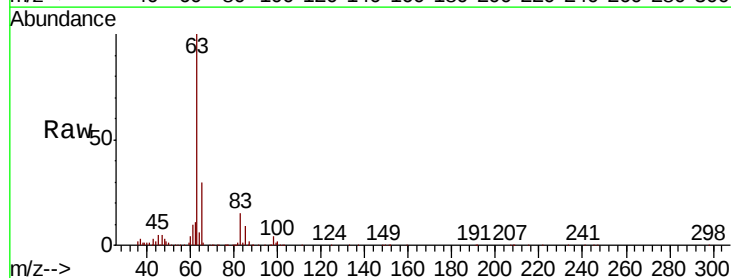
Tgt Ion: 63 Resp: 334986

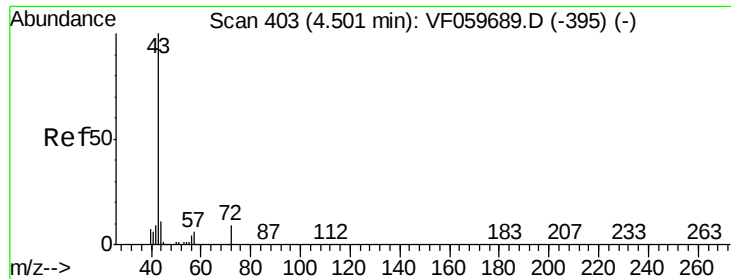
Ion Ratio Lower Upper

63 100

98 3.5 1.4 4.2

100 2.1 1.6 4.7





#25

2-Butanone

Concen: 479.137 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

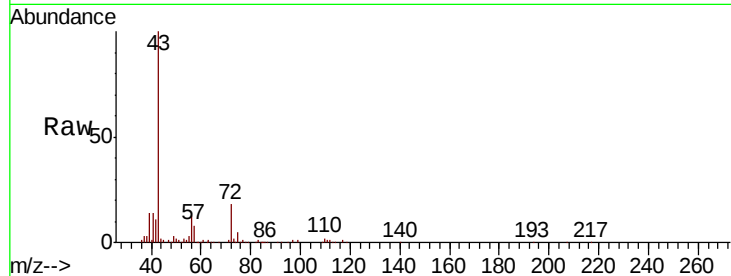
ClientSampleId :

Tot Ion: 43 Resp: 305447

Ion Ratio Lower Upper

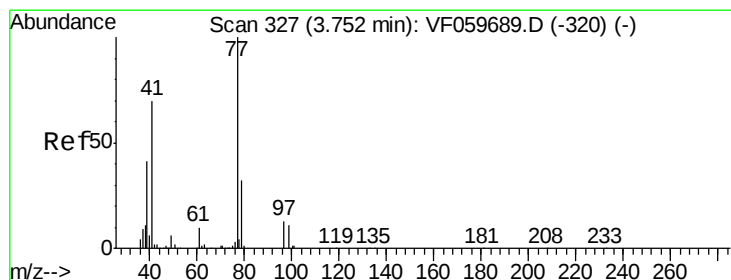
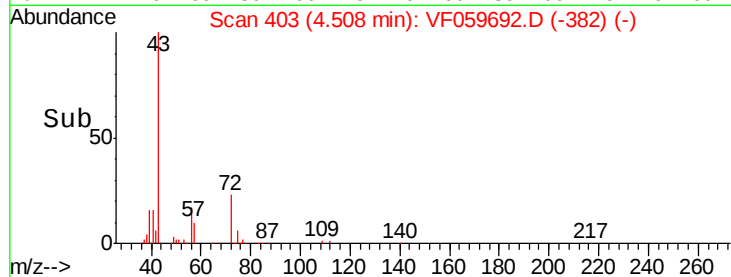
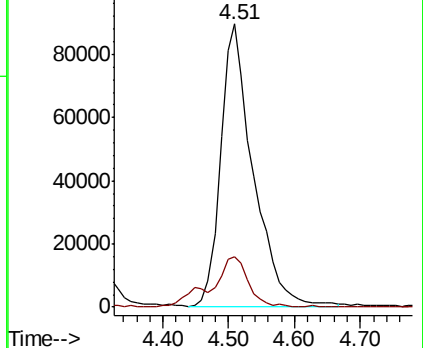
43 100

72 17.8 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 84.651 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059692.D

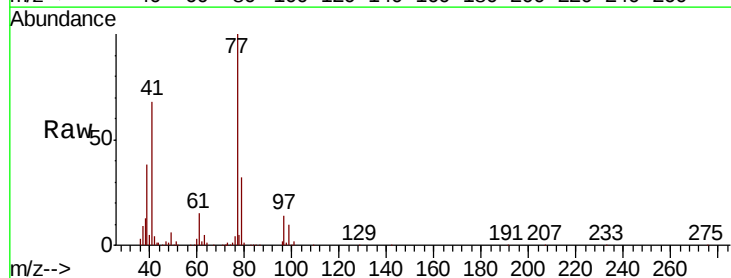
Acq: 30 Jul 2018 16:53

Tgt Ion: 77 Resp: 236734

Ion Ratio Lower Upper

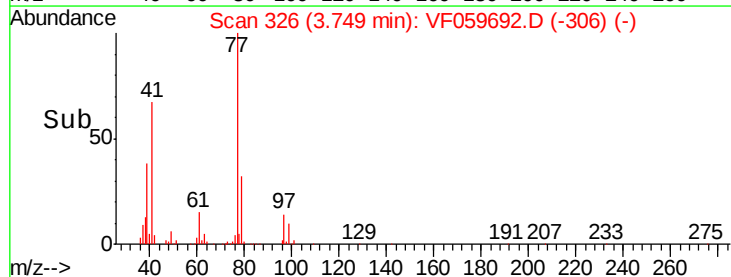
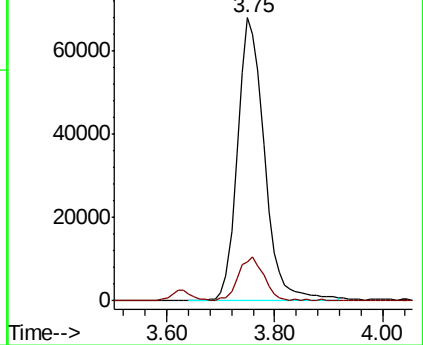
77 100

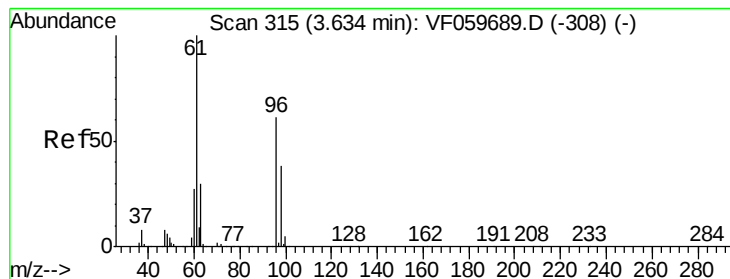
97 13.7 6.8 20.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



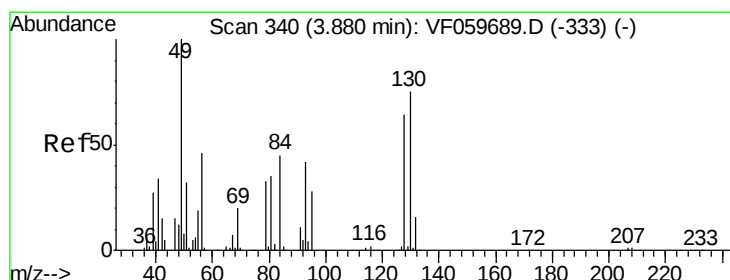
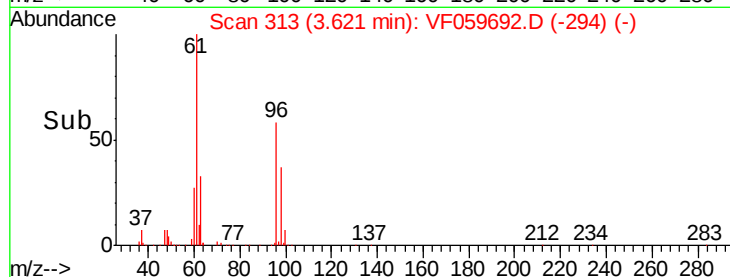
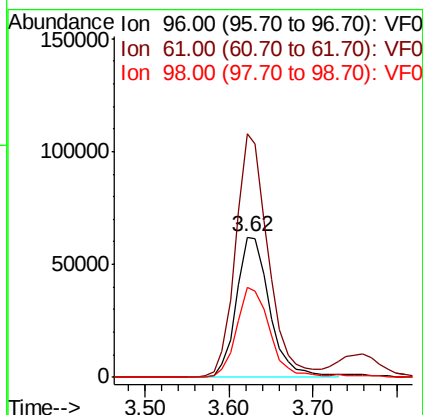
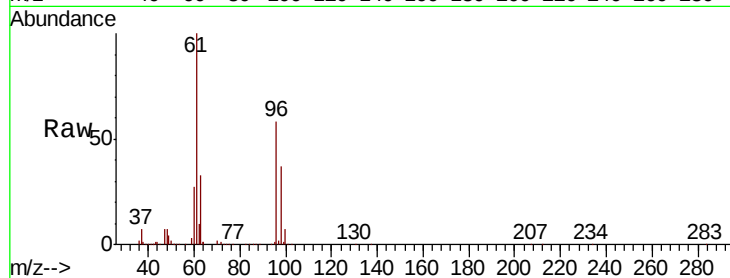


#27

cis-1,2-Dichloroethene
 Concen: 96.333 ug/l
 RT: 3.62 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Instrument :
 MSVOA_F
 ClientSampled :

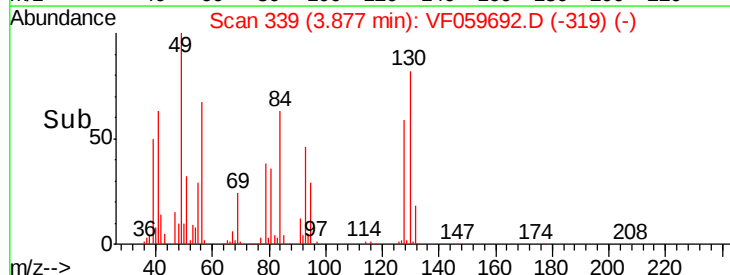
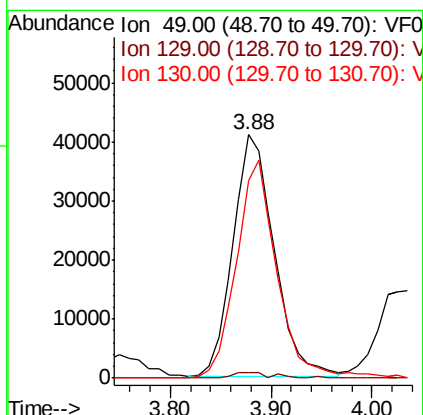
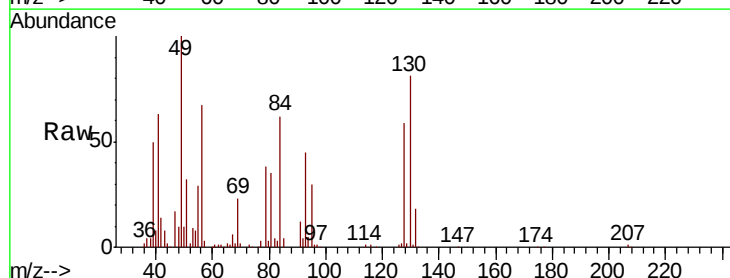
Tot Ion	96	Resp	171265
Ion Ratio	Lower	Upper	
96	100		
61	173.6	0.0	326.8
98	64.1	0.0	125.2

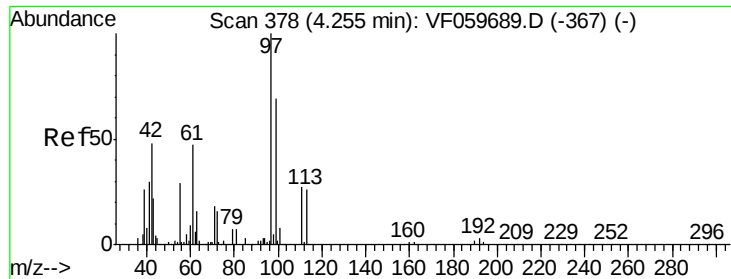


#28

Bromochloromethane
 Concen: 92.637 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Tgt Ion	49	Resp	117328
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.8
130	80.9	59.6	89.4

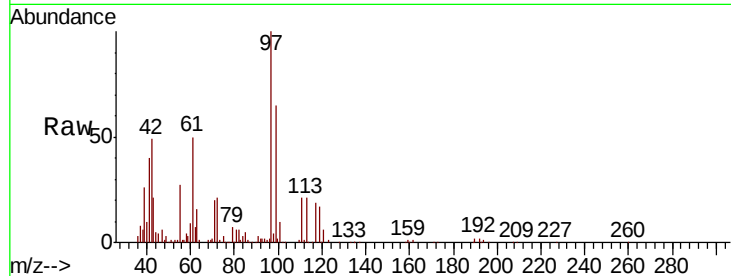




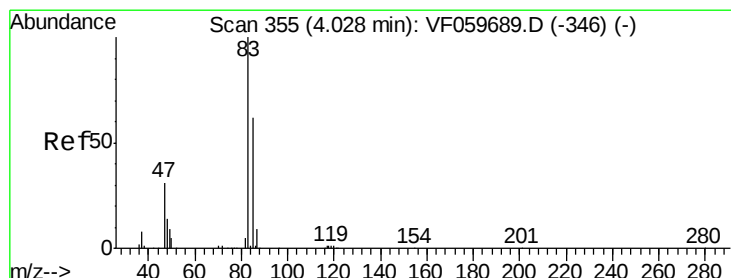
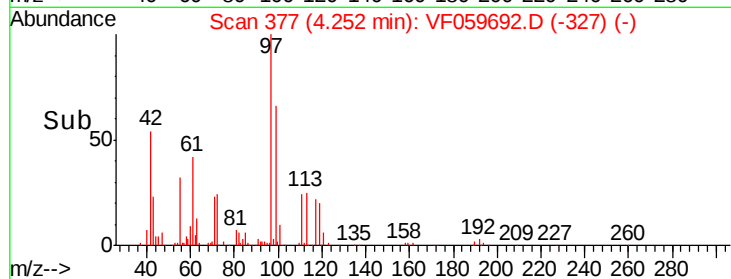
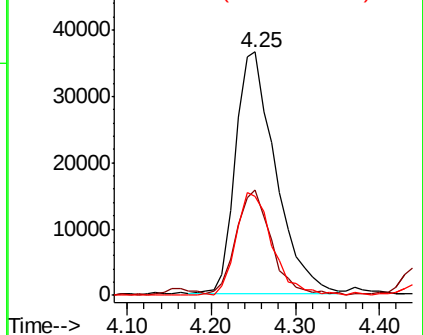
#29
Tetrahydrofuran
Concen: 472.602 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	27.0	40.6
71	38.9	29.7	44.5

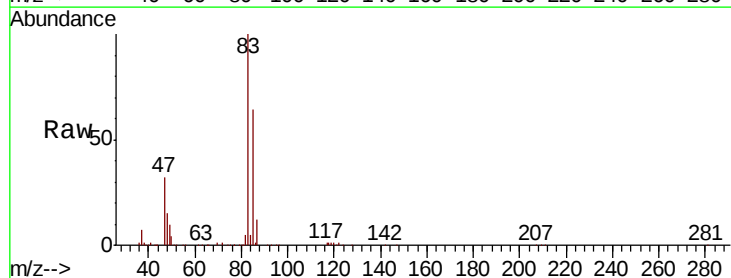


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

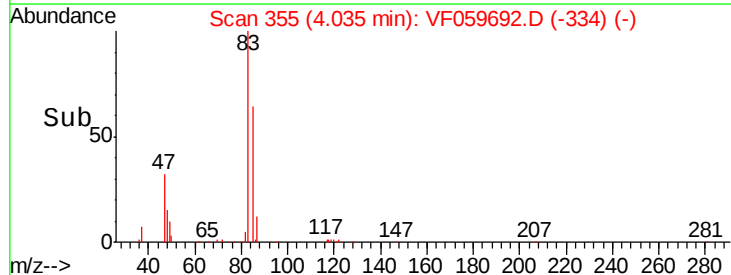
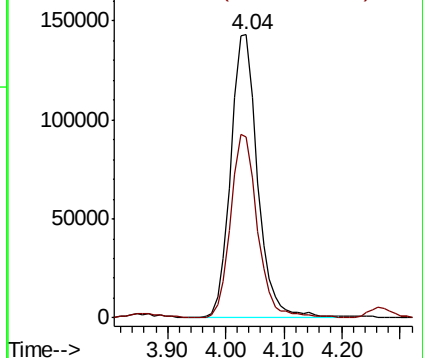


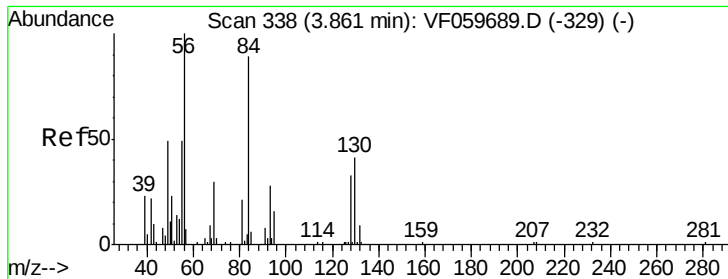
#30
Chloroform
Concen: 94.474 ug/l
RT: 4.04 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.4	74.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 85.128 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :

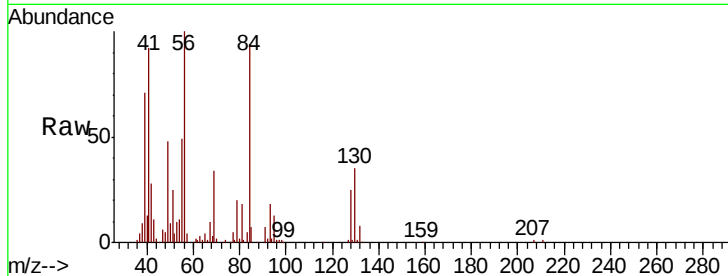
Tot Ion: 56 Resp: 168161

Ion Ratio Lower Upper

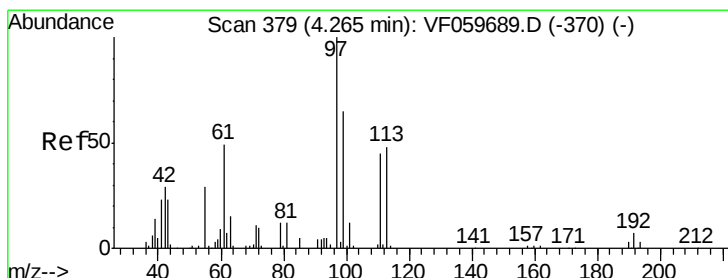
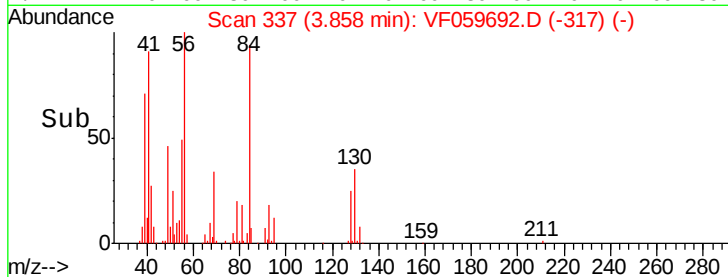
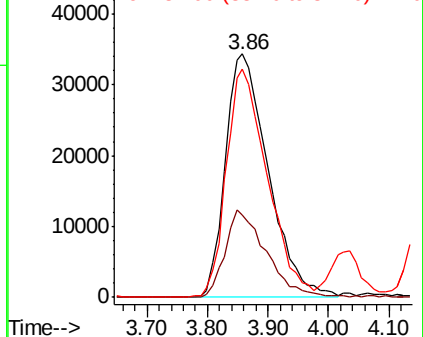
56 100

69 34.0 23.7 35.5

84 94.0 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: 88.431 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

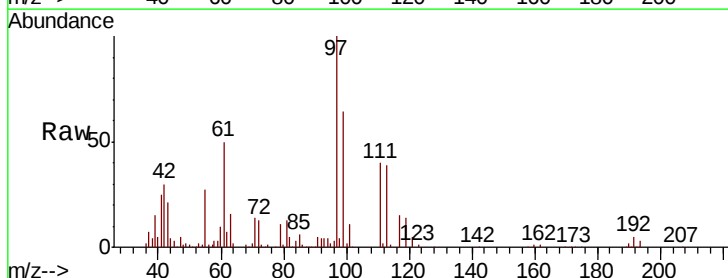
Tgt Ion: 97 Resp: 352286

Ion Ratio Lower Upper

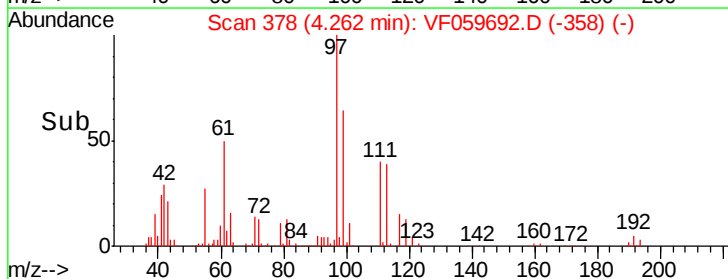
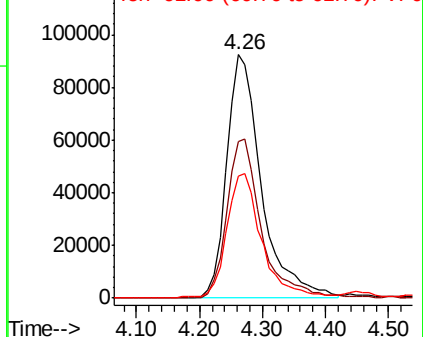
97 100

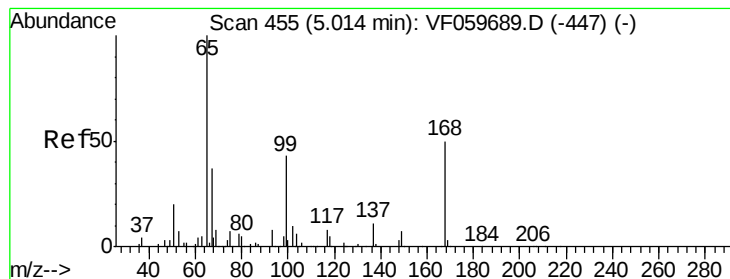
99 64.2 52.4 78.6

61 49.9 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: 106.452 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

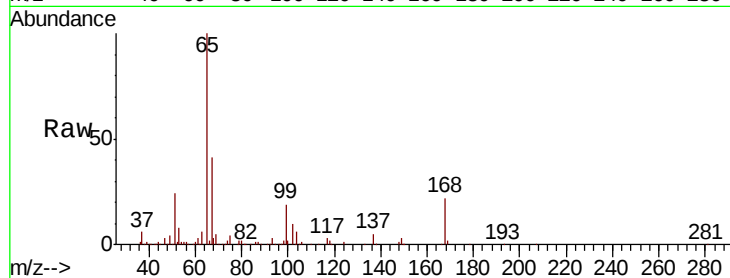
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 338043

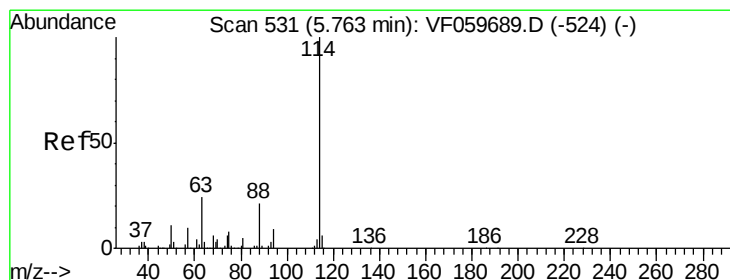
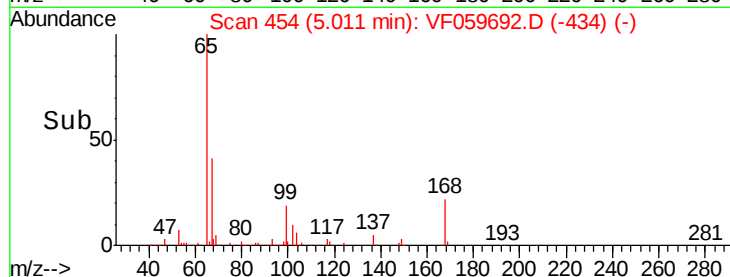
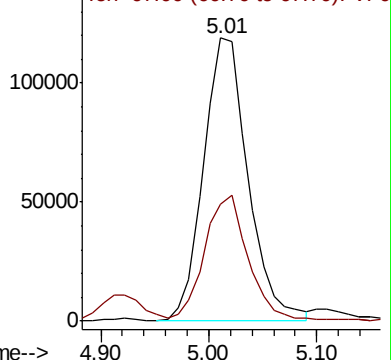
Ion Ratio Lower Upper

65 100

67 41.5 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# 530

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

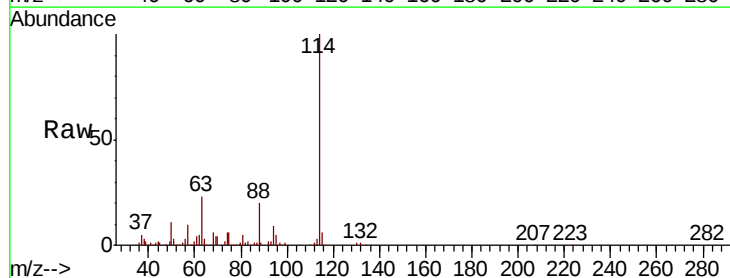
Tgt Ion: 114 Resp: 286228

Ion Ratio Lower Upper

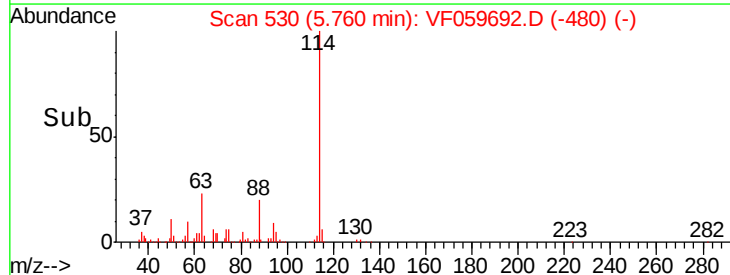
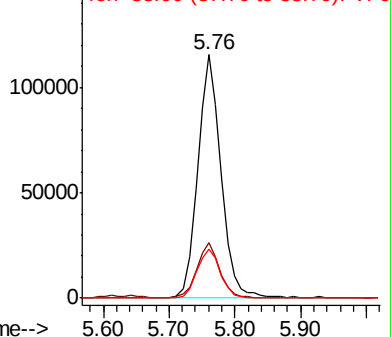
114 100

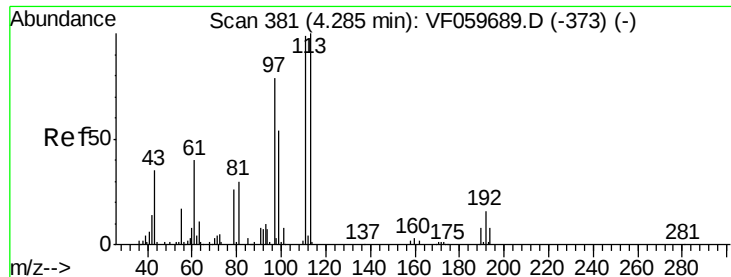
63 23.0 0.0 47.4

88 20.2 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

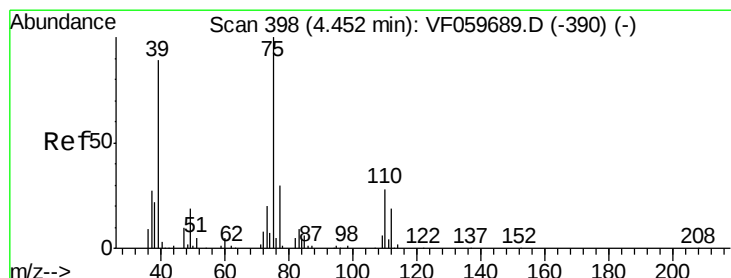
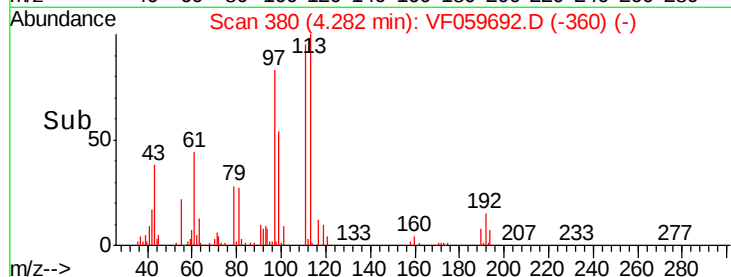
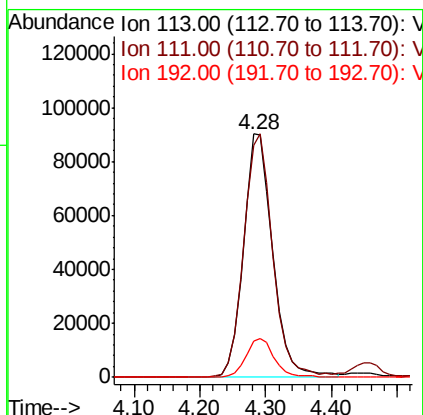
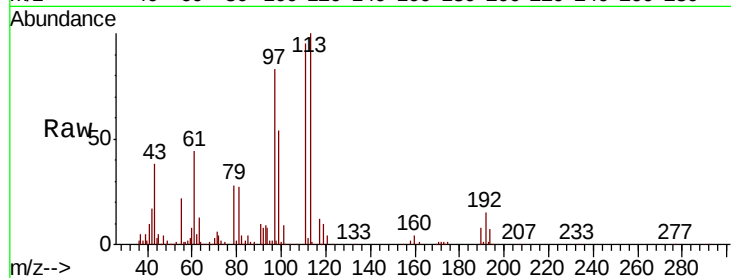




#35
 Dibromofluoromethane
 Concen: 102.604 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

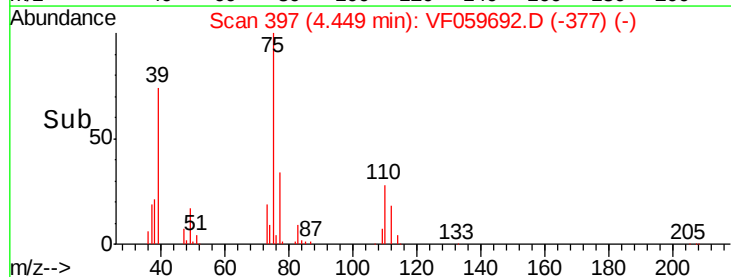
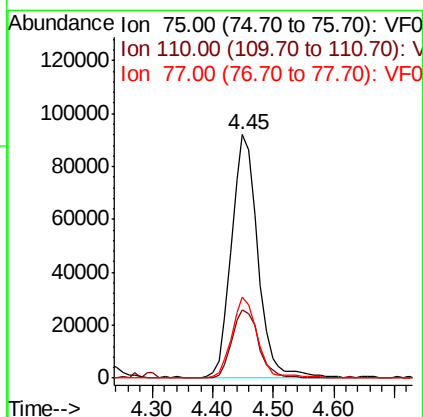
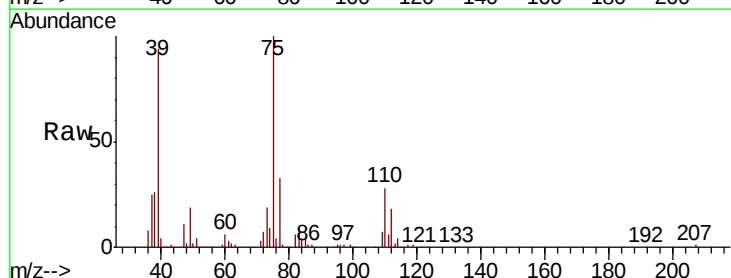
Instrument :
 MSVOA_F
 ClientSampleId :

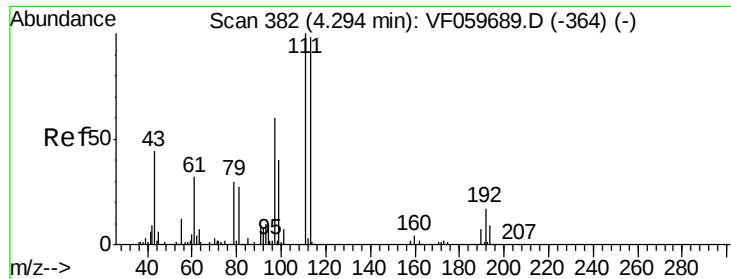
Tot Ion	Ratio	Lower	Upper
113	100		
111	95.1	79.0	118.4
192	14.9	13.2	19.8



#36
 1,1-Dichloropropene
 Concen: 89.036 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.1	14.0	41.9
77	33.1	24.2	36.2

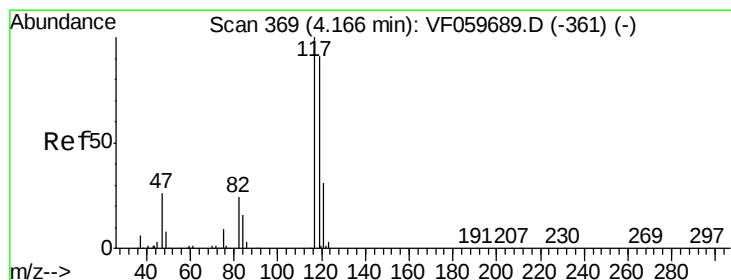
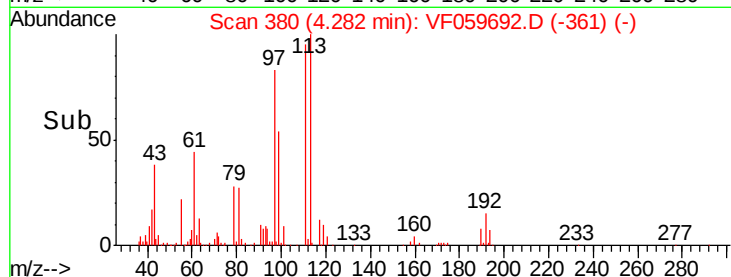
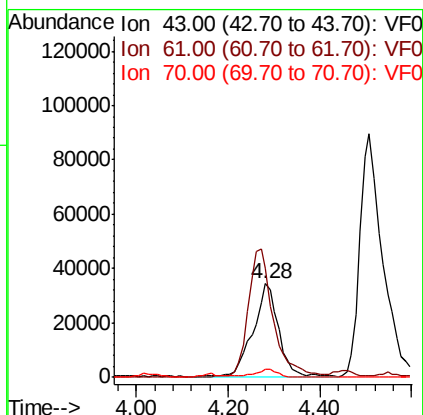
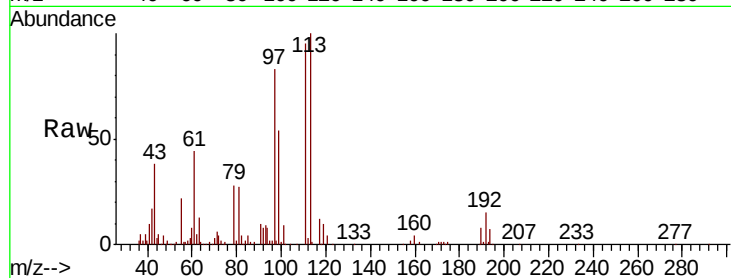




#37
Ethyl Acetate
Concen: 98.419 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

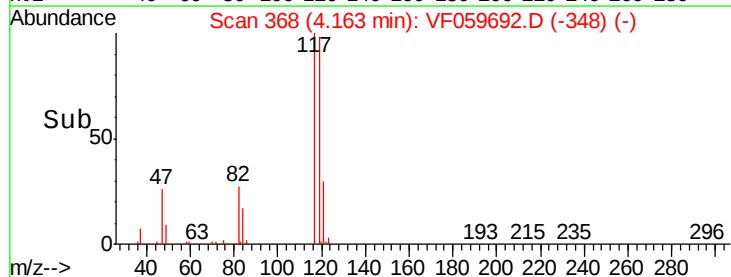
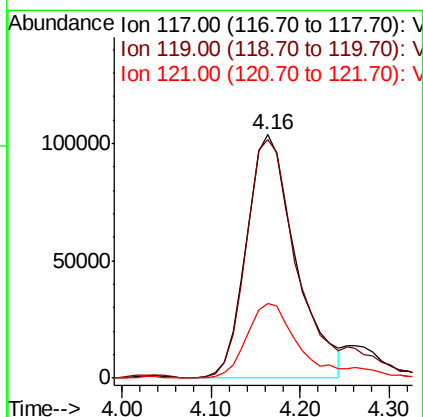
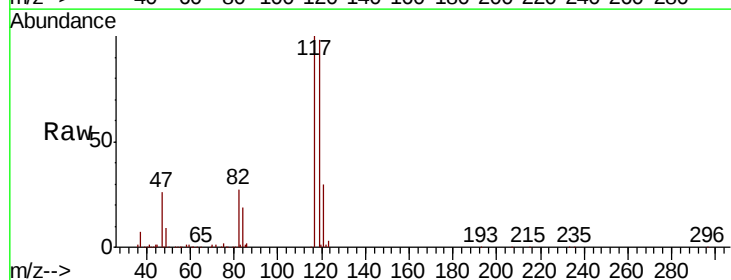
Instrument :
MSVOA_F
ClientSampled :

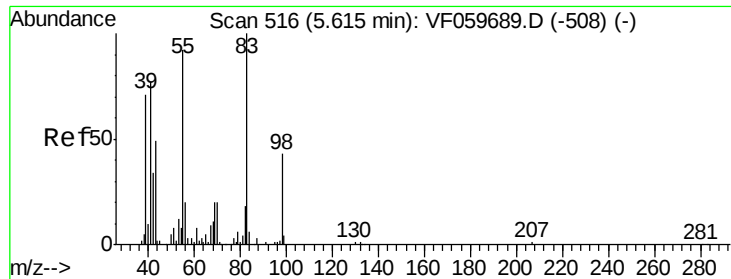
Tot Ion: 43 Resp: 133289
Ion Ratio Lower Upper
43 100
61 116.7 58.2 87.2#
70 9.1 6.0 9.0#



#38
Carbon Tetrachloride
Concen: 86.802 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion: 117 Resp: 395386
Ion Ratio Lower Upper
117 100
119 98.1 72.9 109.3
121 30.4 25.0 37.4

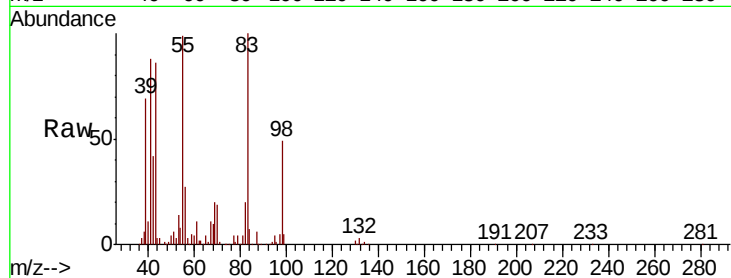




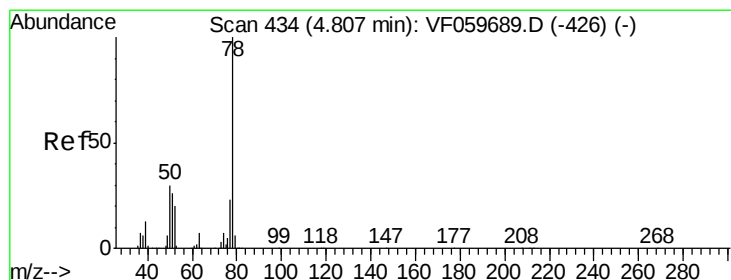
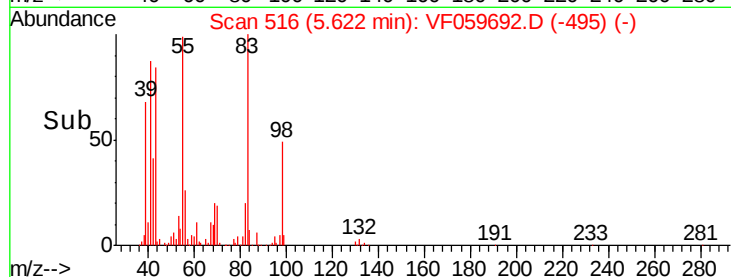
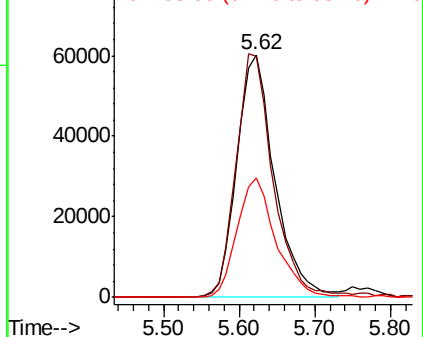
#39
Methvlcvclohexane
Concen: 83.021 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 209770
Ion Ratio Lower Upper
83 100
55 99.2 73.4 110.2
98 49.4 34.2 51.4

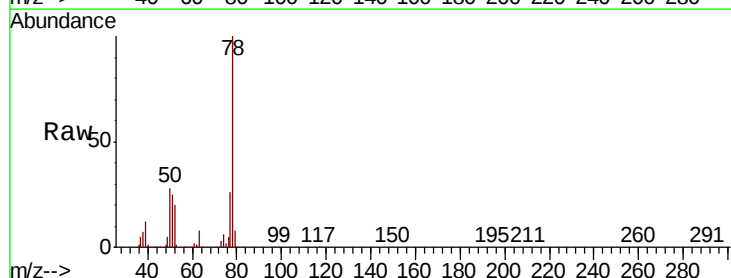


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

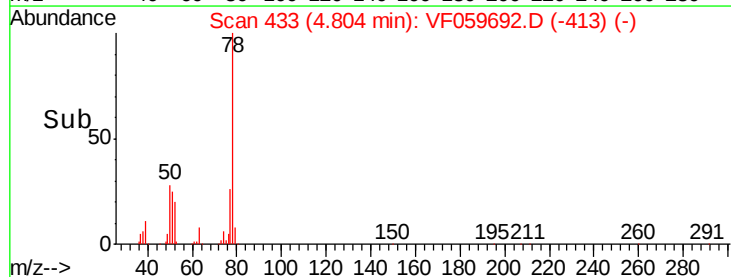
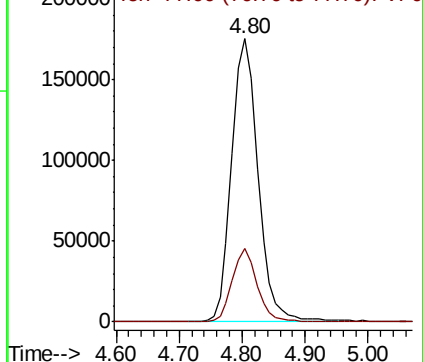


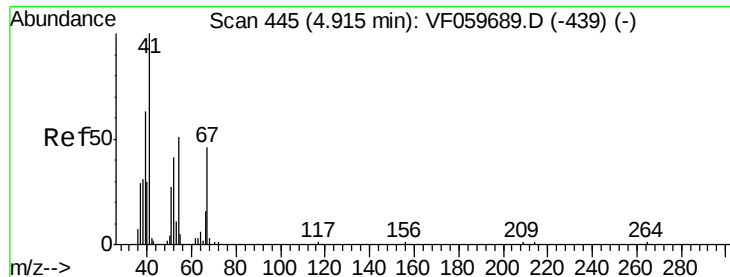
#40
Benzene
Concen: 92.393 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion: 78 Resp: 509472
Ion Ratio Lower Upper
78 100
77 26.1 18.9 28.3



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

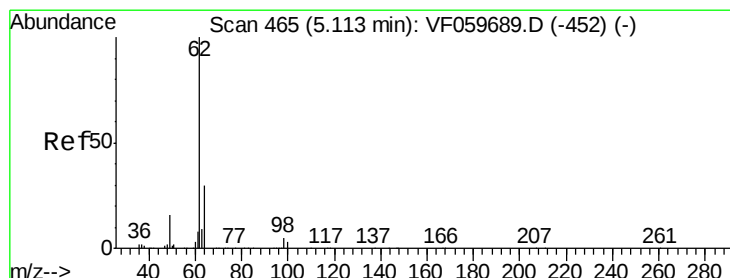
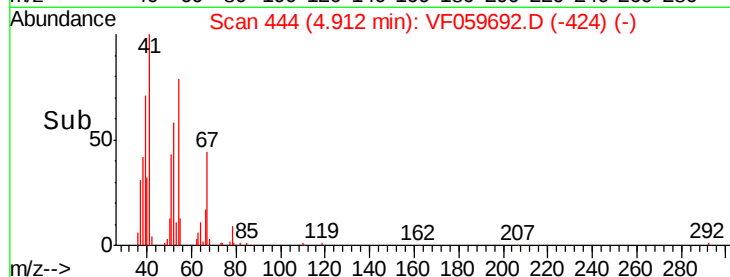
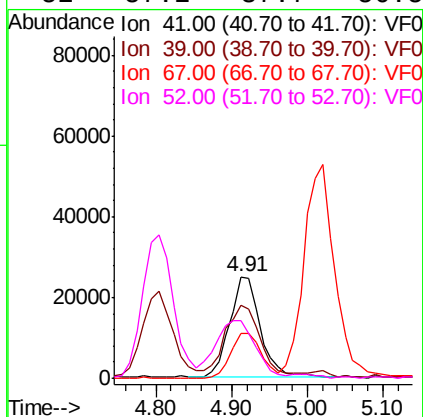
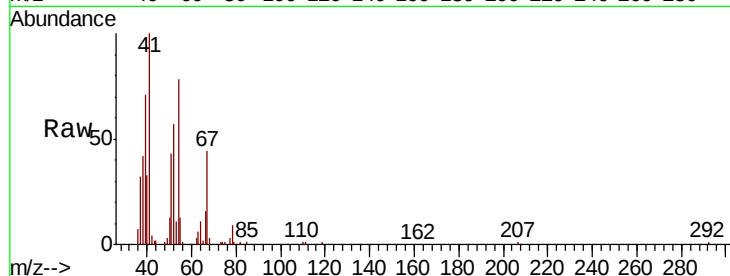




#41
Methacrylonitrile
Concen: 102.184 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

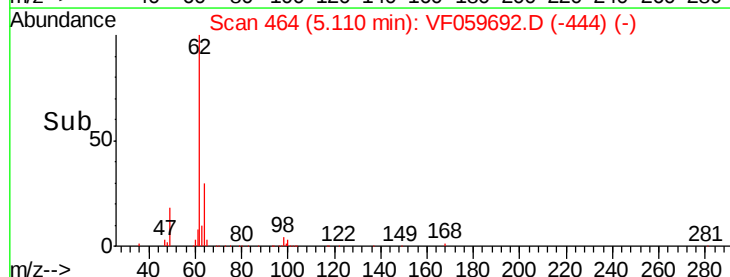
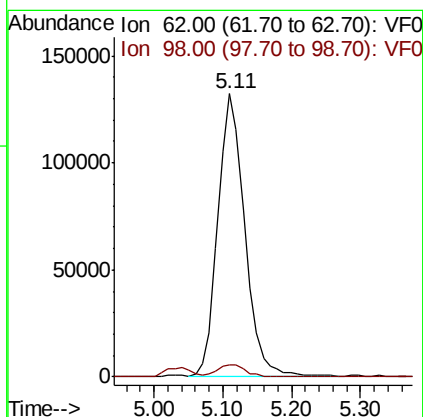
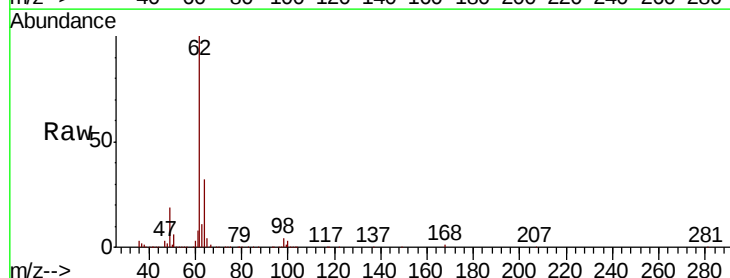
Instrument :
MSVOA_F
ClientSampleId :

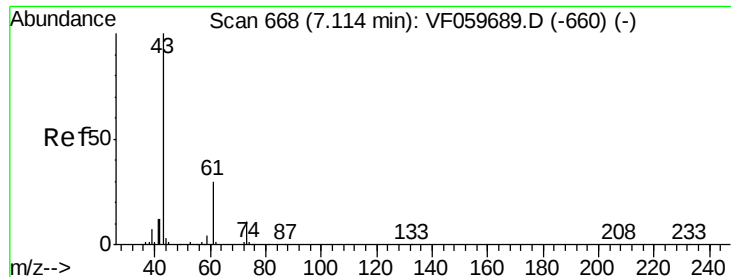
Tot Ion	Ratio	Lower	Upper
41	100		
39	71.4	55.2	82.8
67	43.8	36.2	54.2
52	57.2	37.7	56.5



#42
1,2-Dichloroethane
Concen: 99.023 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	9.6



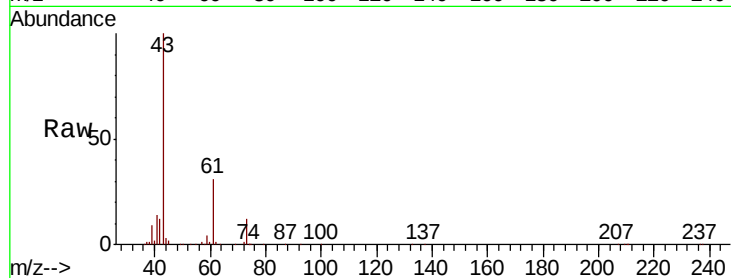


#43

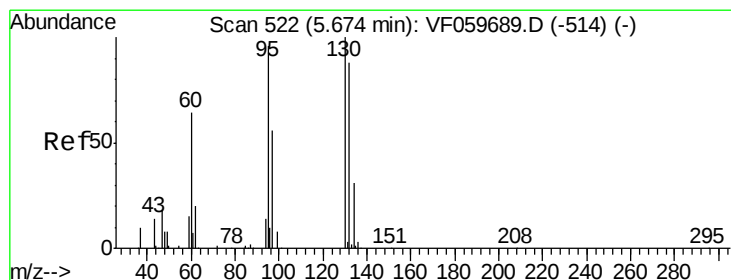
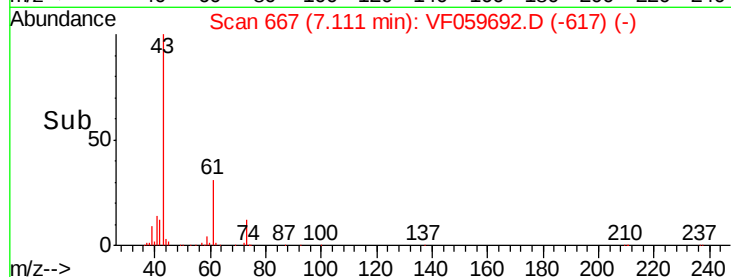
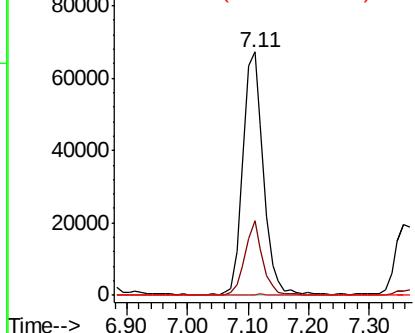
Isopropyl Acetate
 Concen: 113.989 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	43	Resp	159844
Ion Ratio	Lower	Upper	
43	100		
61	30.6	23.8	35.8
87	0.4	0.6	1.0#



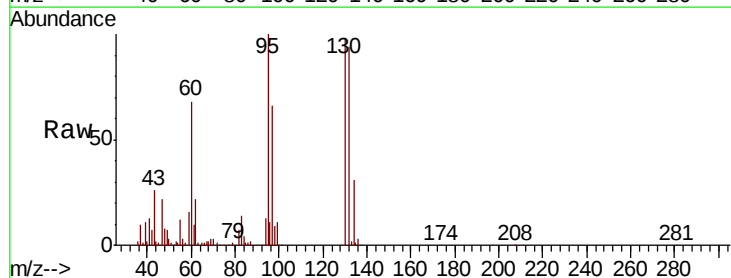
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



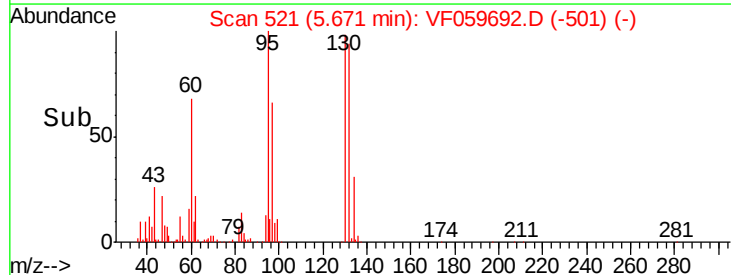
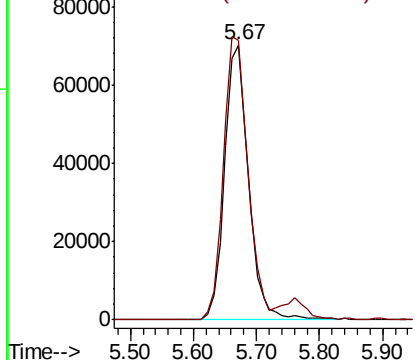
#44

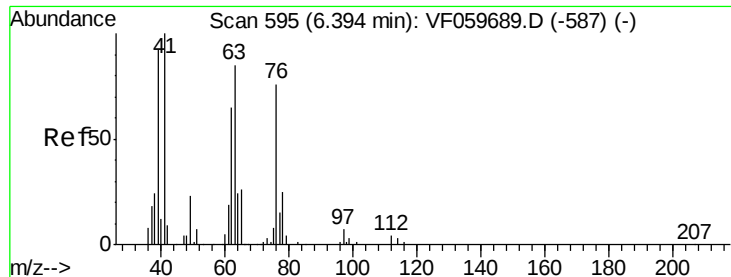
Trichloroethene
 Concen: 86.738 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Tgt Ion	130	Resp	185244
Ion Ratio	Lower	Upper	
130	100		
95	101.9	0.0	191.0



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





#45

1,2-Dichloropropane

Concen: 95.710 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

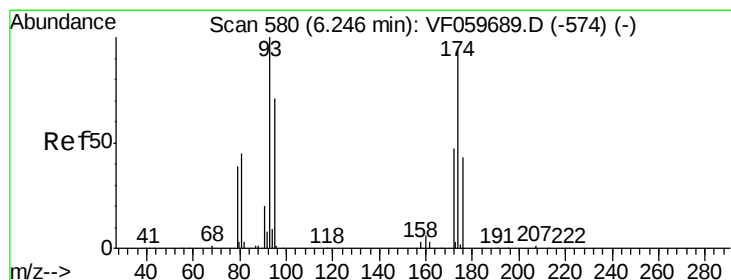
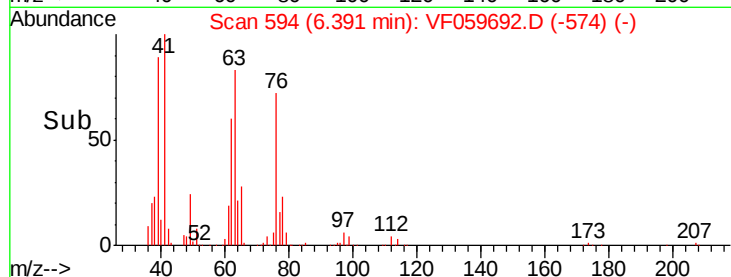
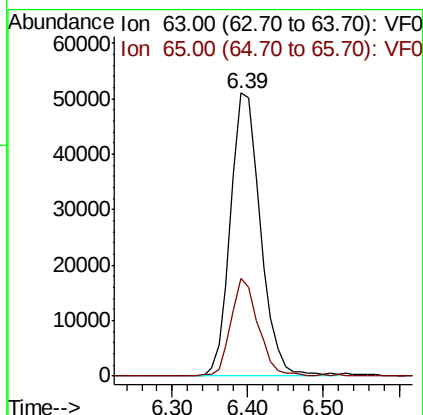
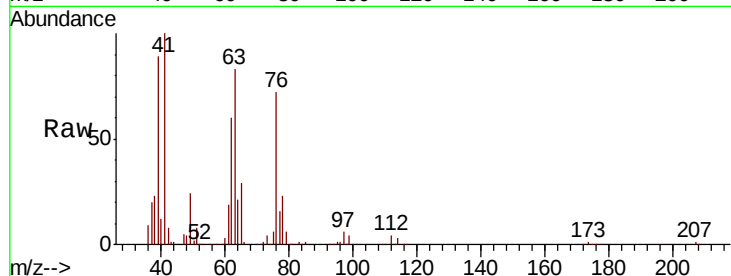
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 140255

Ion Ratio Lower Upper

63 100

65 34.5 25.2 37.8



#46

Dibromomethane

Concen: 103.104 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

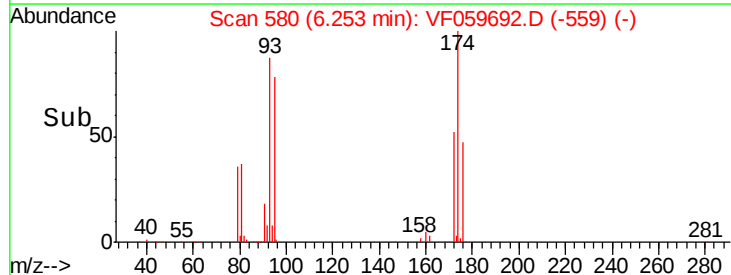
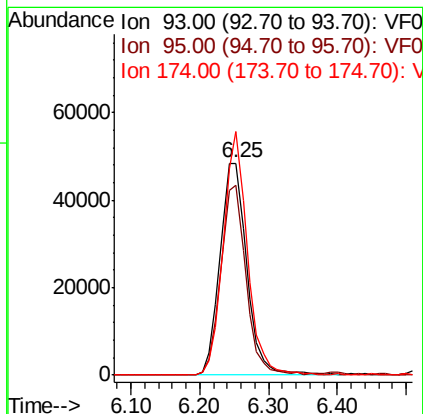
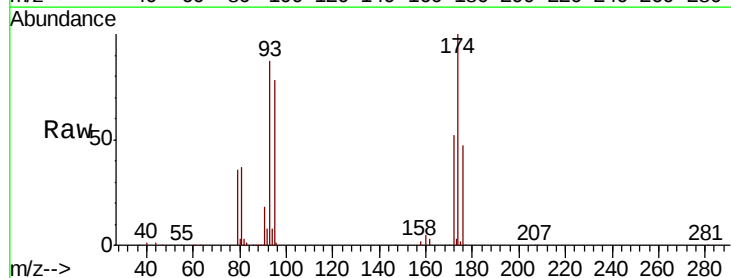
Tgt Ion: 93 Resp: 131202

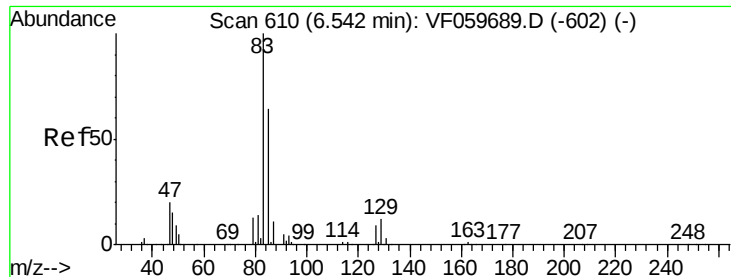
Ion Ratio Lower Upper

93 100

95 89.4 57.1 85.7#

174 114.8 74.8 112.2#





#47

Bromodichloromethane

Concen: 99.139 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

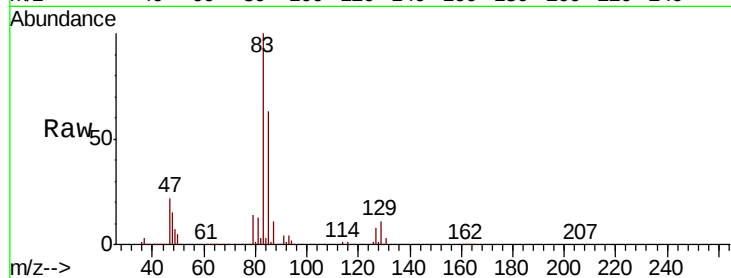
Tot Ion: 83 Resp: 369626

Ion Ratio Lower Upper

83 100

85 62.8 51.0 76.6

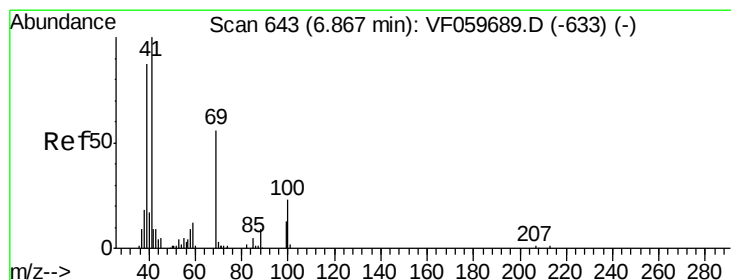
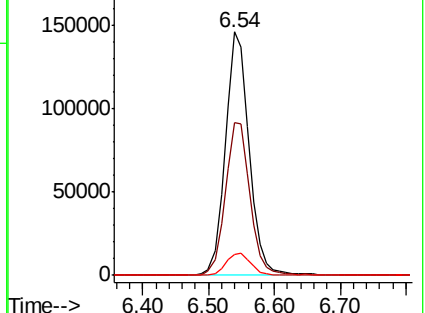
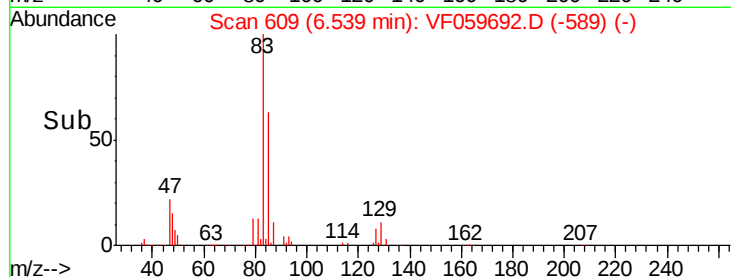
127 8.4 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 109.875 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

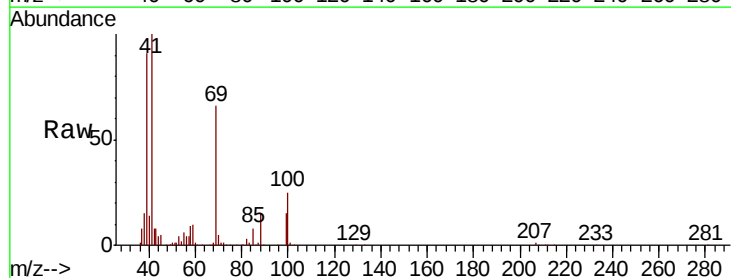
Tgt Ion: 41 Resp: 120924

Ion Ratio Lower Upper

41 100

69 66.4 44.4 66.6

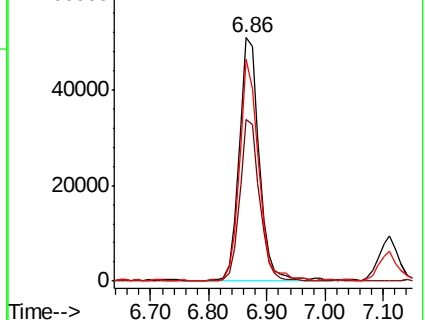
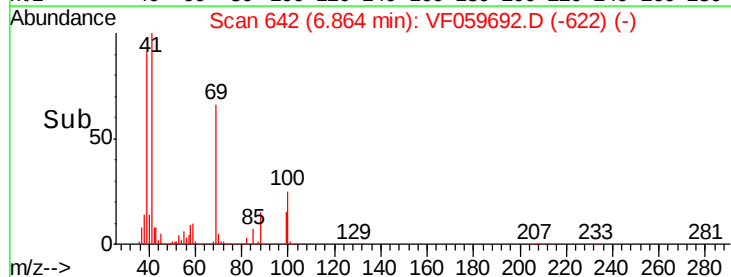
39 91.3 69.4 104.2

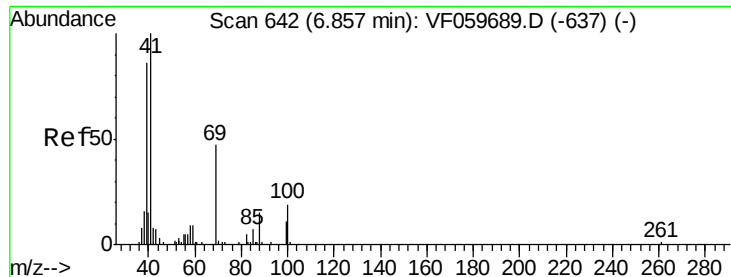


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

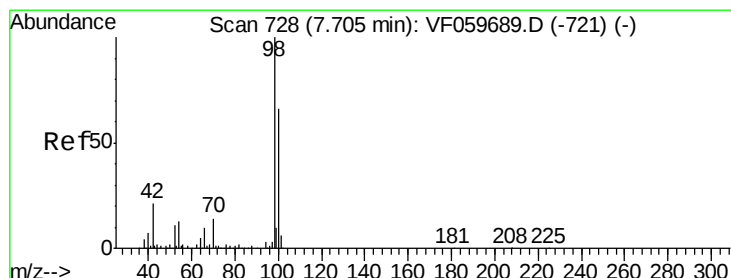
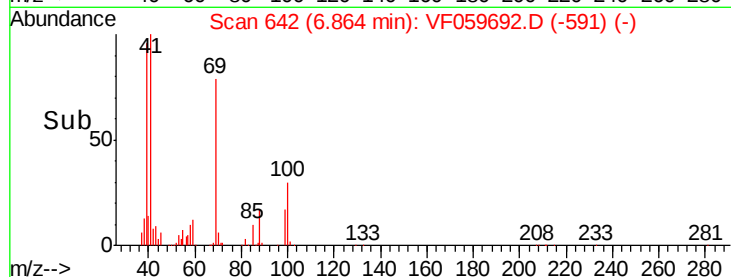
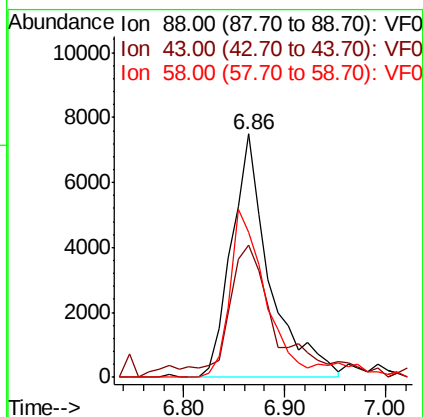
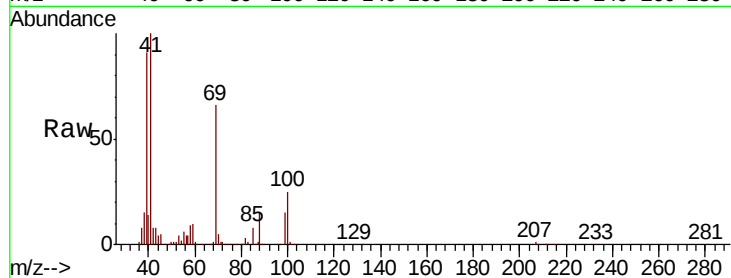




#49
1,4-Dioxane
Concen: 2232.563 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

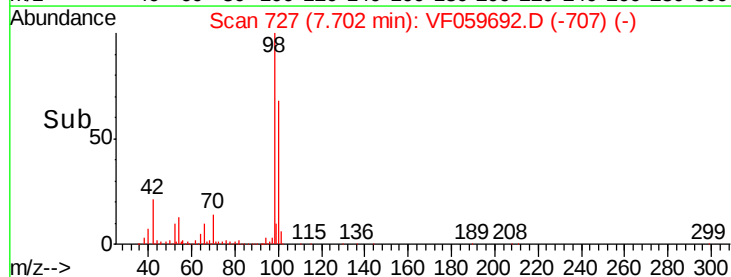
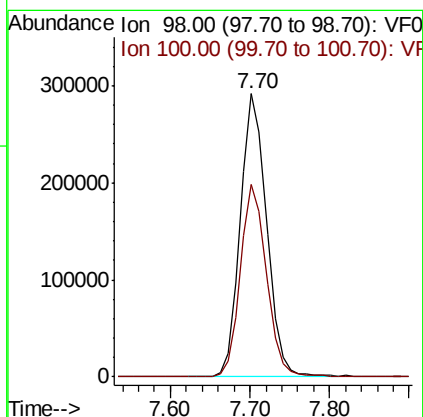
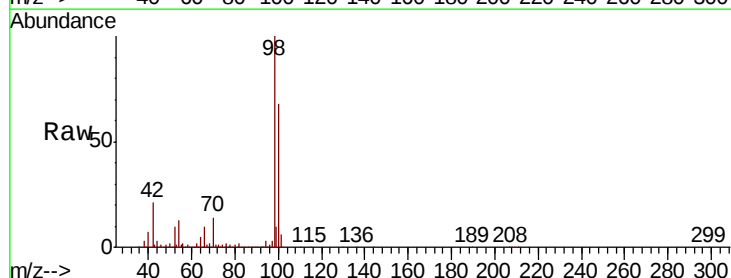
Instrument :
MSVOA_F
ClientSampleId :

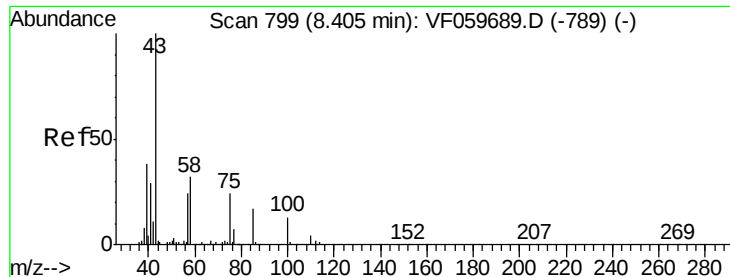
Tot Ion	88	Resp	19608
Ion Ratio	Lower	Upper	
88	100		
43	54.5	45.2	67.8
58	59.4	49.0	73.6



#50
Toluene-d8
Concen: 100.921 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion	98	Resp	668448
Ion Ratio	Lower	Upper	
98	100		
100	68.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 521.073 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

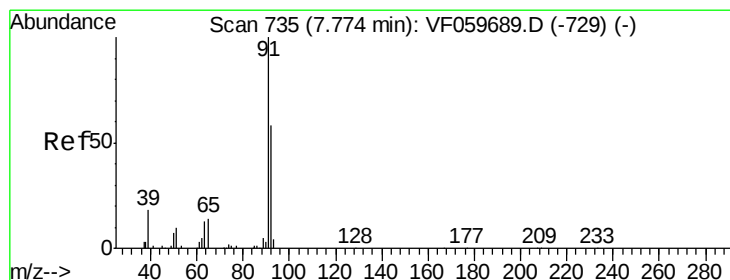
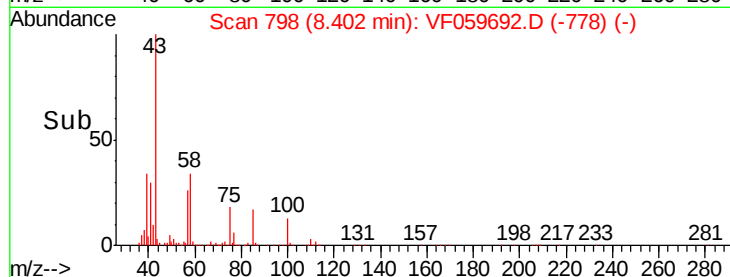
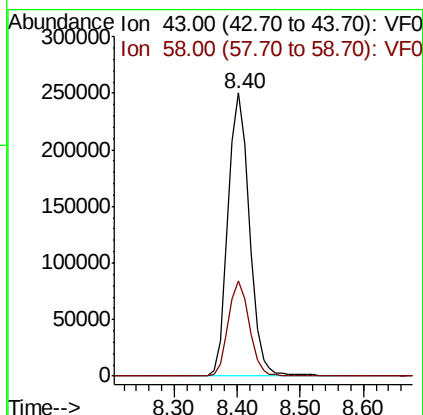
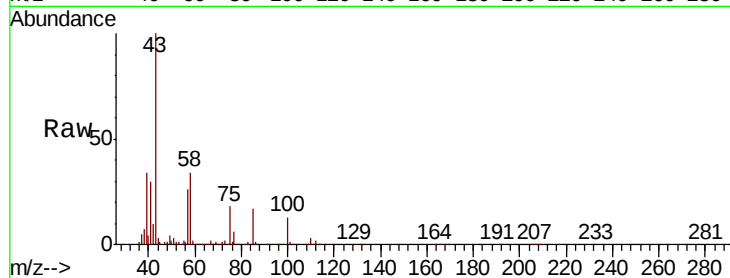
ClientSampled :

Tot Ion: 43 Resp: 588008

Ion Ratio Lower Upper

43 100

58 33.6 25.9 38.9



#52

Toluene

Concen: 88.665 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059692.D

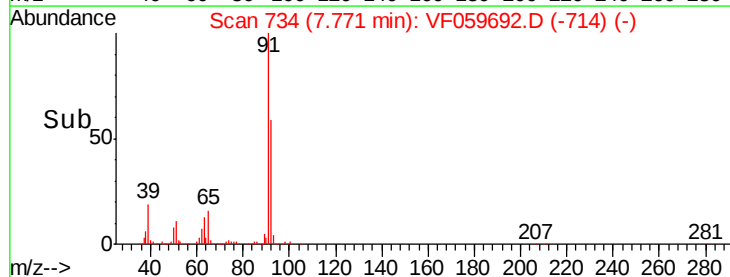
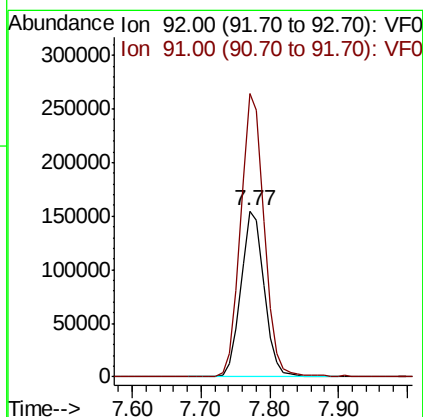
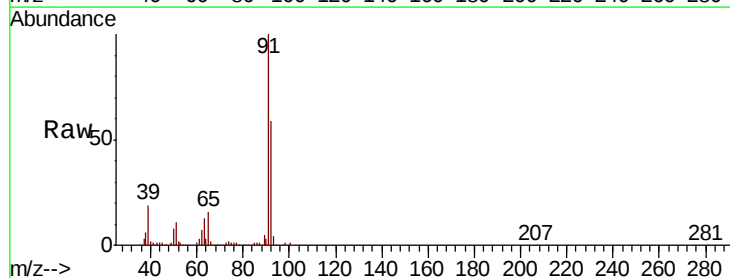
Acq: 30 Jul 2018 16:53

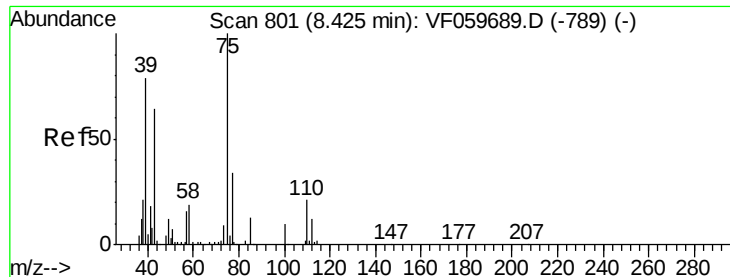
Tgt Ion: 92 Resp: 363161

Ion Ratio Lower Upper

92 100

91 170.3 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 101.534 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

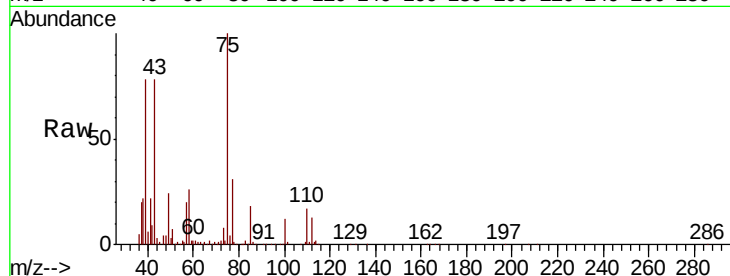
ClientSampled :

Tot Ion: 75 Resp: 302794

Ion Ratio Lower Upper

75 100

77 31.5 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

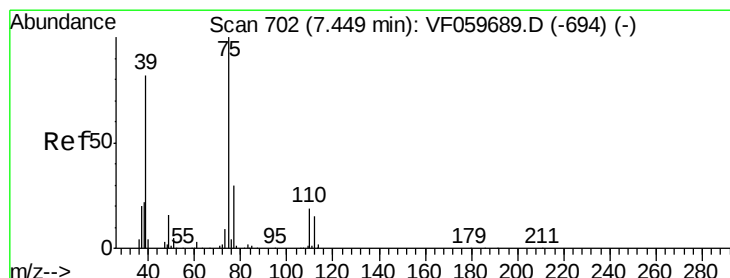
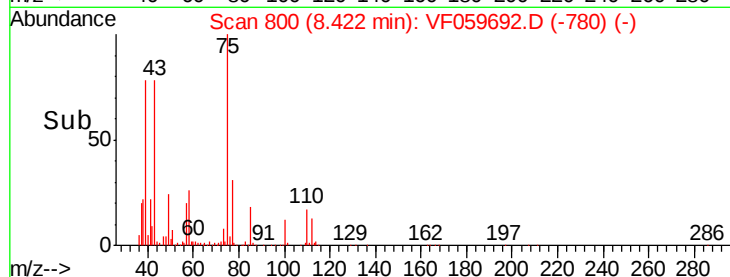
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 100.252 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

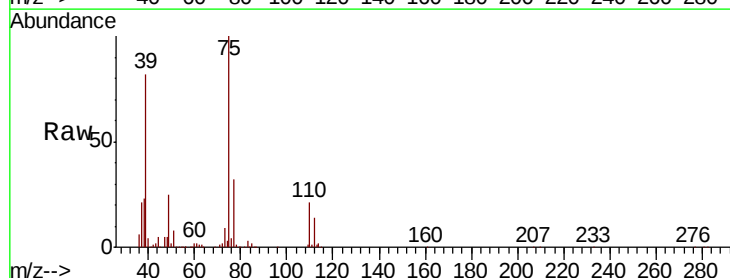
Tgt Ion: 75 Resp: 310215

Ion Ratio Lower Upper

75 100

77 31.6 24.0 36.0

39 82.1 65.4 98.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.46

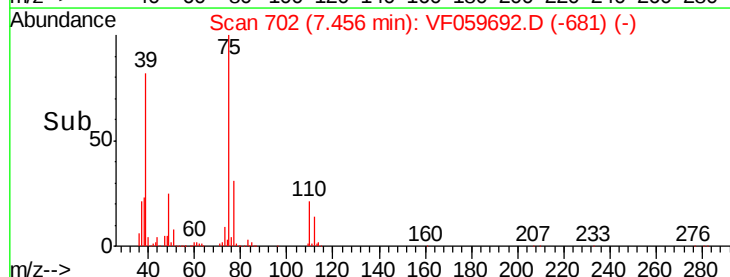
150000

100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 106.103 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 144341

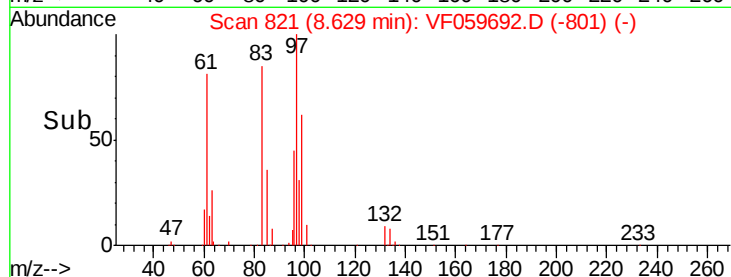
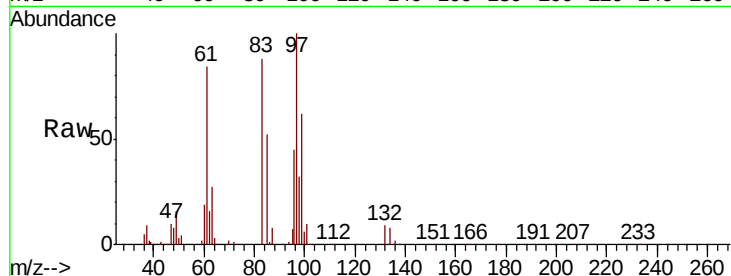
Ion Ratio Lower Upper

97 100

83 87.7 66.6 100.0

85 51.5 47.4 71.0

99 62.3 53.2 79.8

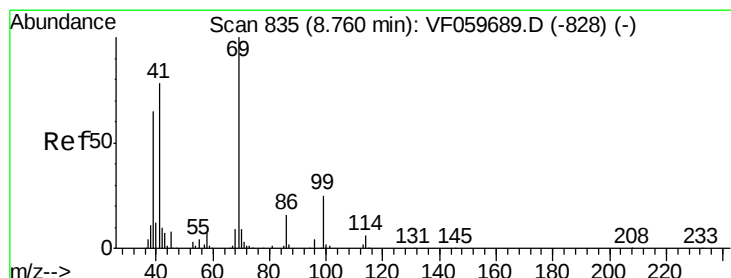
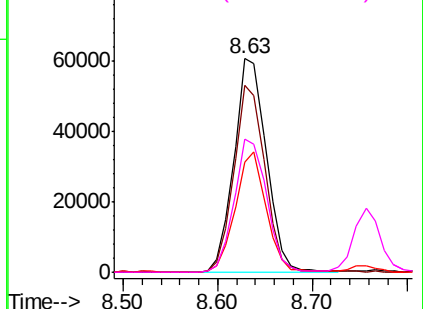


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 113.853 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

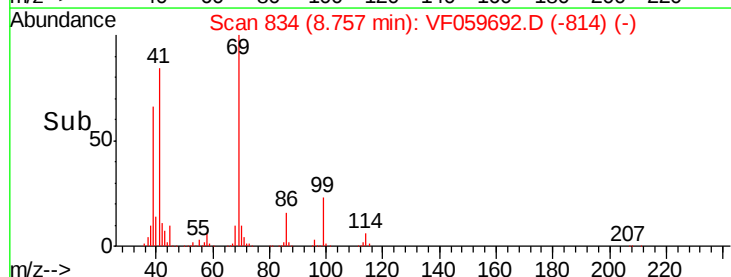
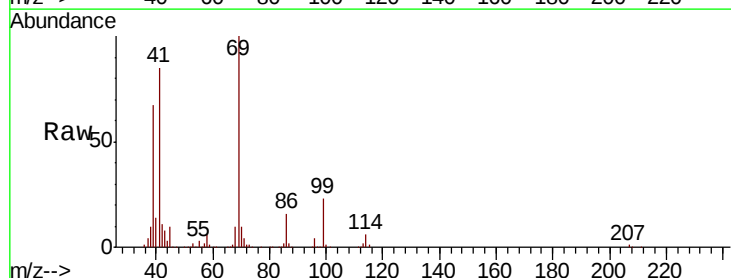
Tgt Ion: 69 Resp: 164197

Ion Ratio Lower Upper

69 100

41 84.9 62.3 93.5

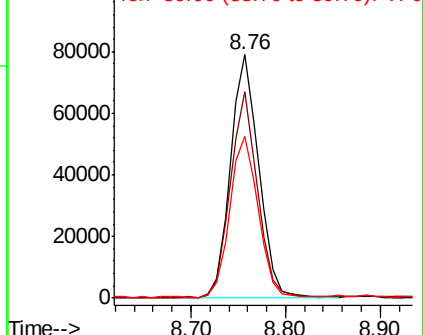
39 66.6 52.4 78.6

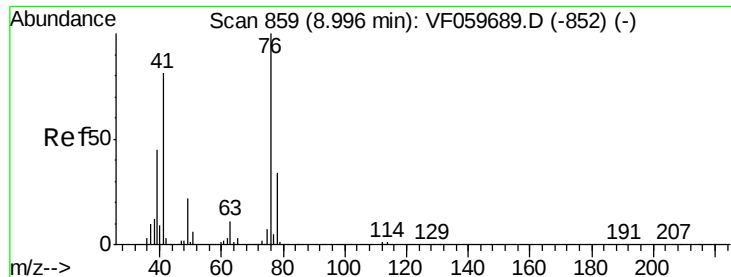


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 103.064 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

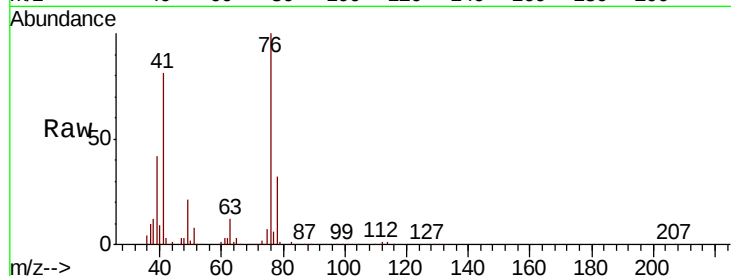
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 242451

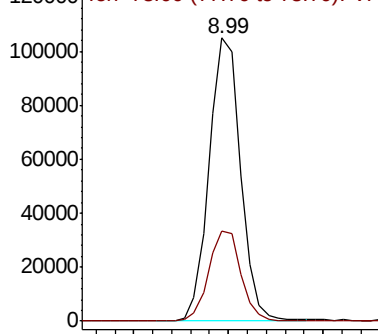
Ion Ratio Lower Upper

76 100

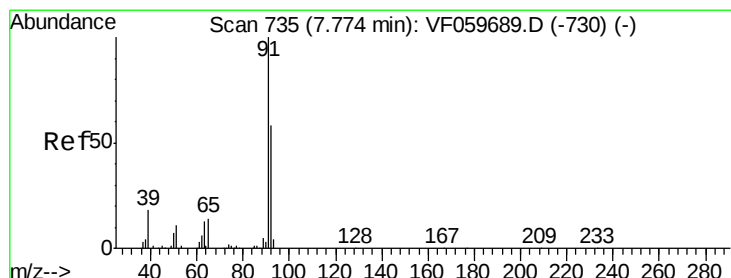
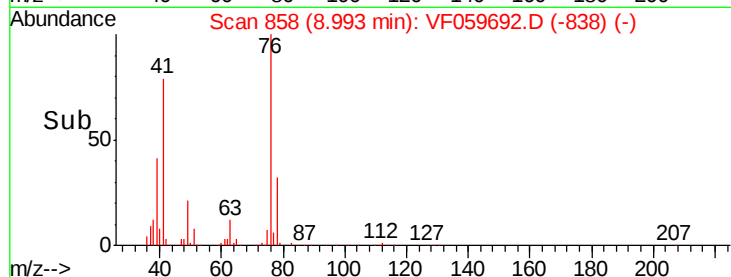
78 31.7 27.2 40.8



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



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 457.953 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059692.D

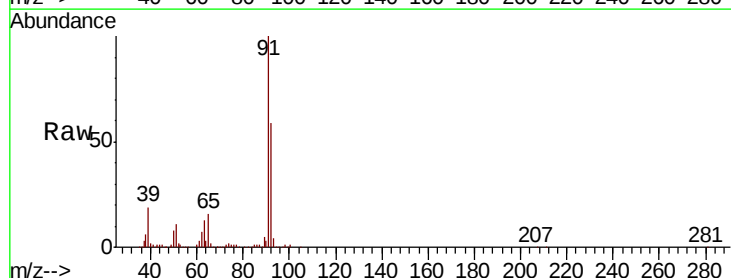
Acq: 30 Jul 2018 16:53

Tgt Ion: 63 Resp: 79743

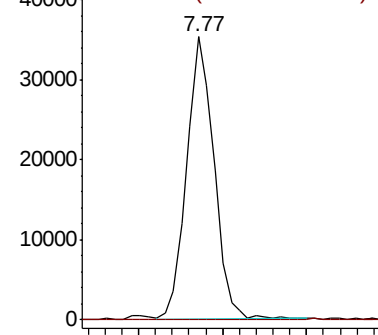
Ion Ratio Lower Upper

63 100

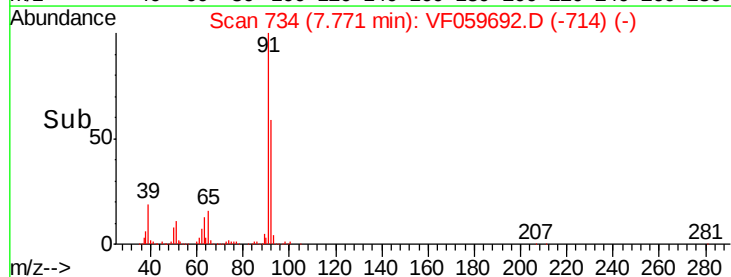
106 0.0 0.0 0.0

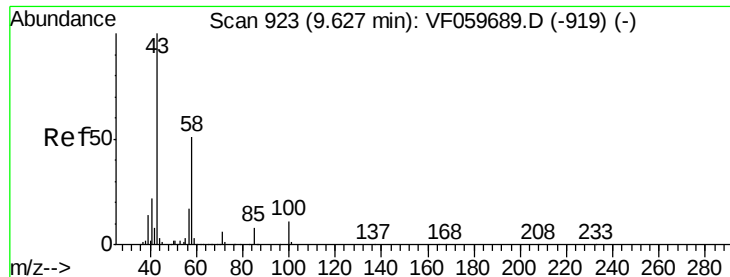


Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V



Time-->

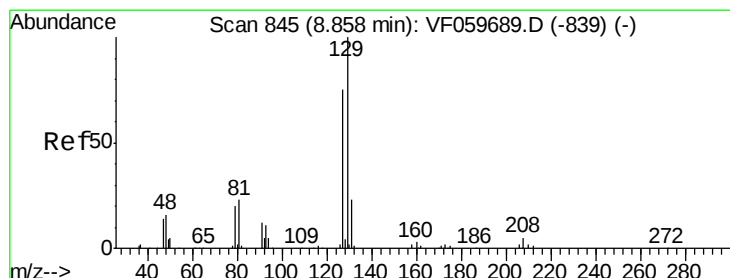
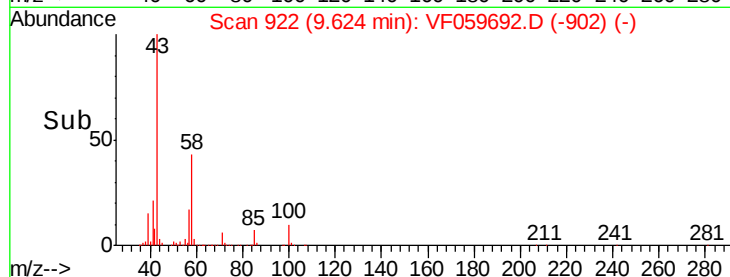
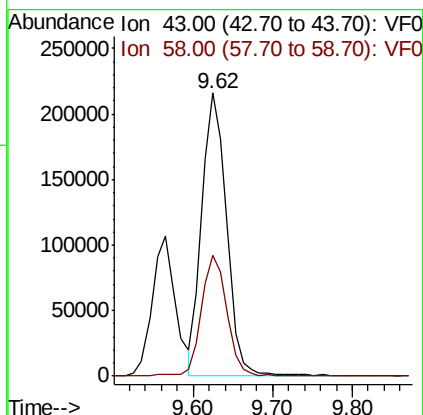
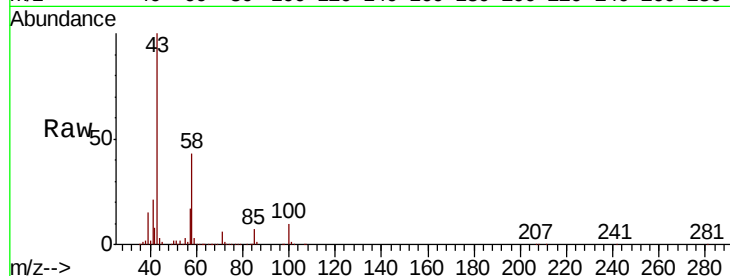




#59
2-Hexanone
Concen: 556.230 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

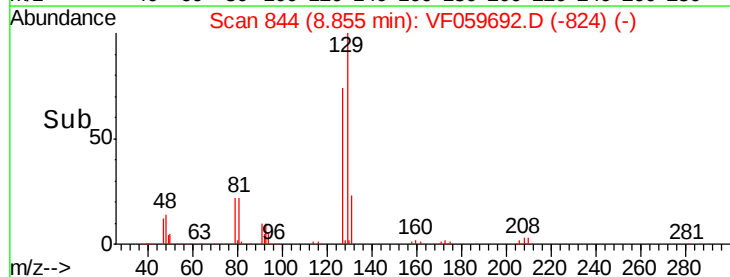
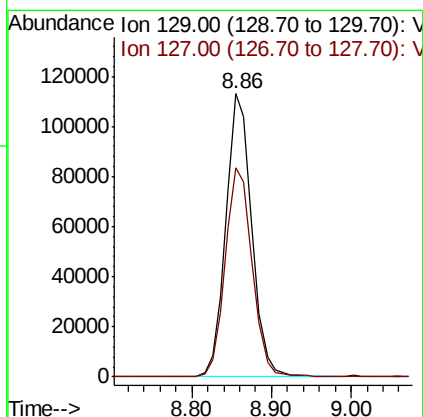
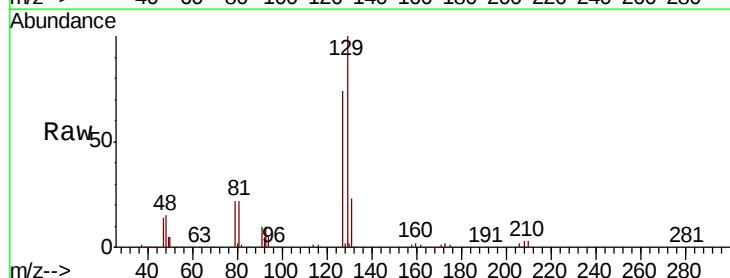
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 465601
Ion Ratio Lower Upper
43 100
58 42.7 23.3 69.8



#60
Dibromochloromethane
Concen: 105.497 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion: 129 Resp: 258909
Ion Ratio Lower Upper
129 100
127 73.9 37.7 113.1





#61

1,2-Dibromoethane

Concen: 105.435 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

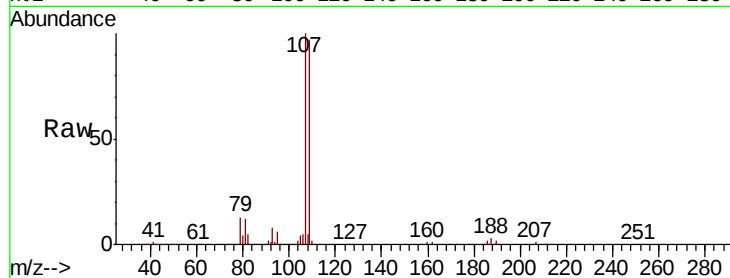
ClientSampleId :

Tot Ion:107 Resp: 173449

Ion Ratio Lower Upper

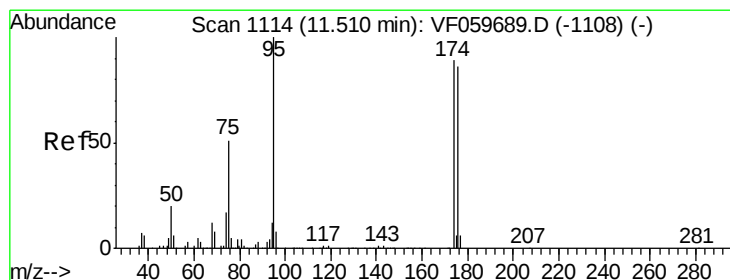
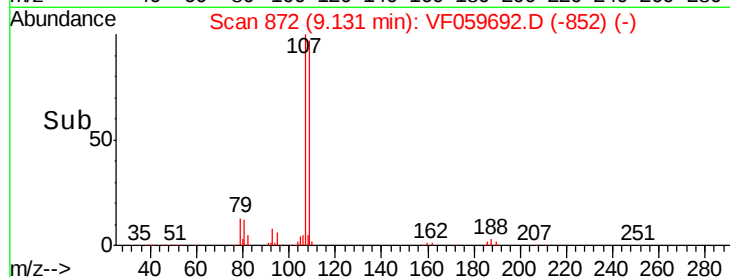
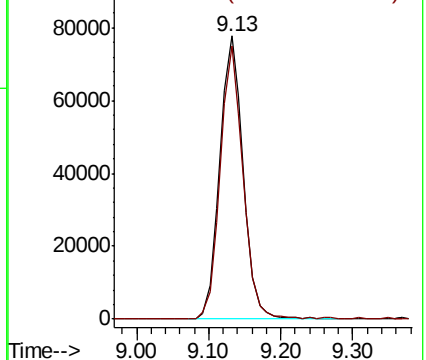
107 100

109 96.6 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 99.746 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

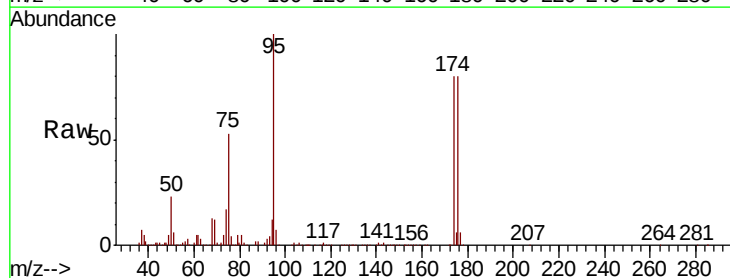
Tgt Ion: 95 Resp: 357464

Ion Ratio Lower Upper

95 100

174 79.5 0.0 178.4

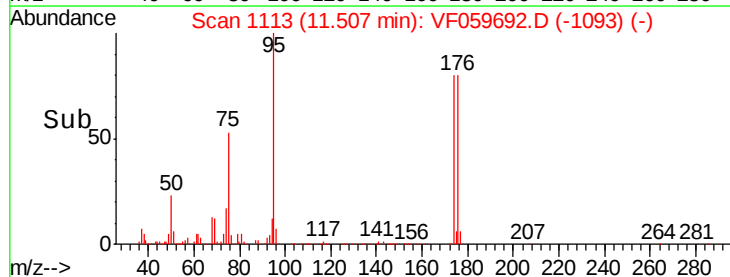
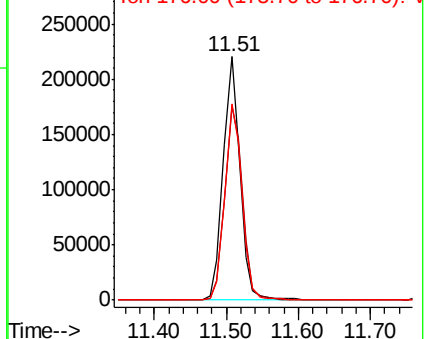
176 80.4 0.0 173.0

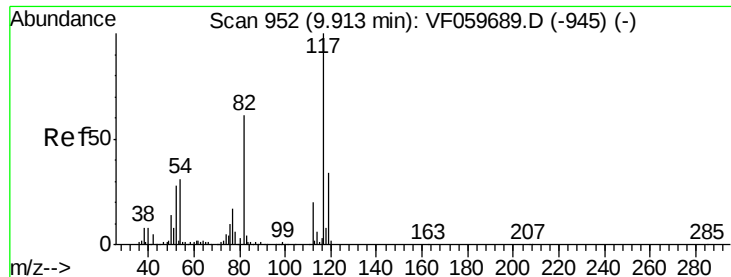


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

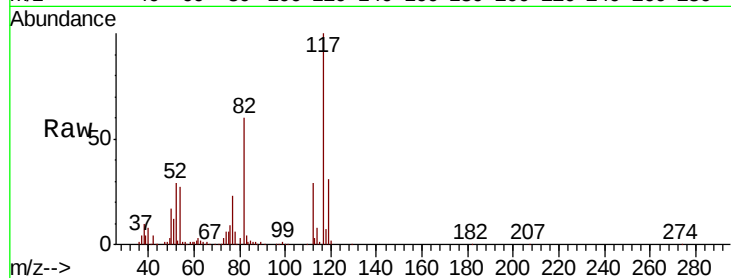




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	49.0	73.4
119	31.2	27.3	40.9

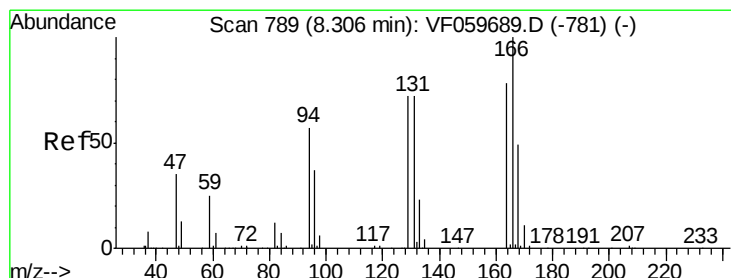
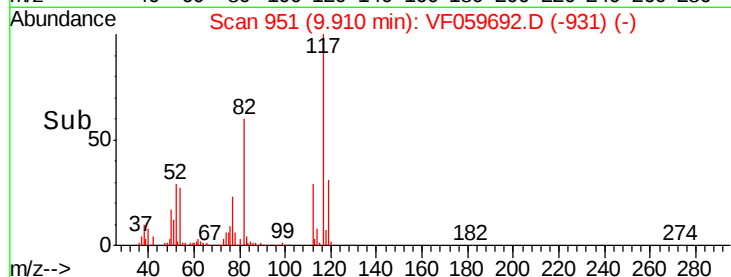
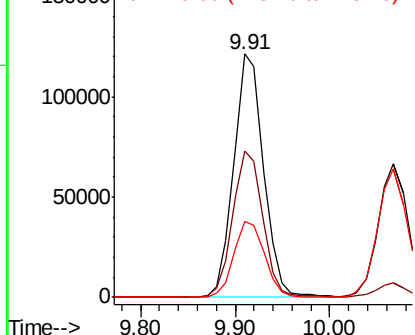


Abundance

Ion 117.00 (116.70 to 117.70): V

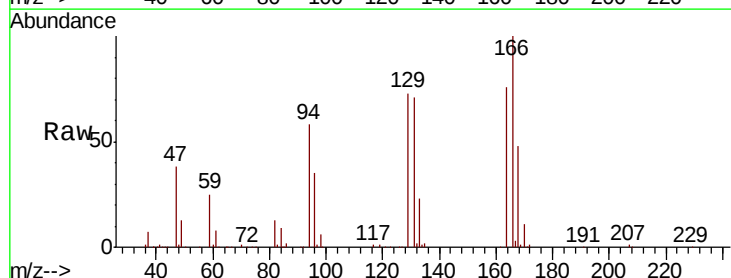
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 88.360 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.1	153.1
129	95.3	73.8	110.6
131	93.4	73.1	109.7



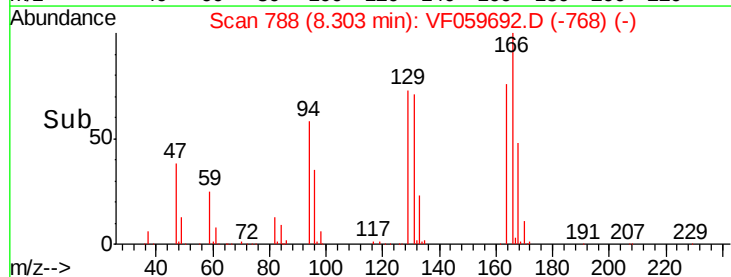
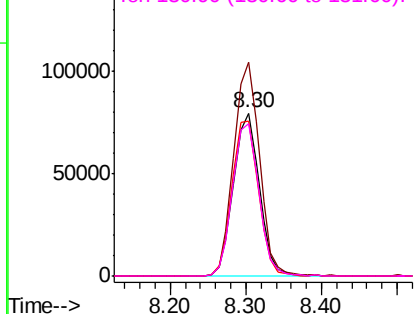
Abundance

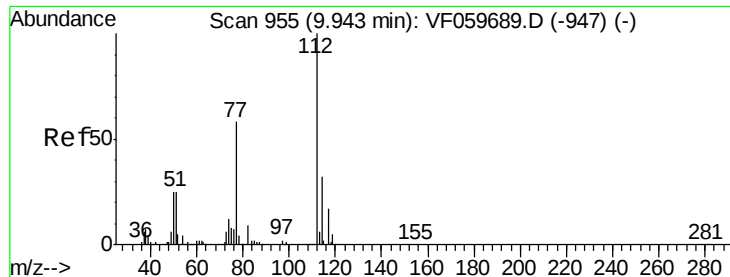
Ion 163.85 (163.55 to 164.55): V

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

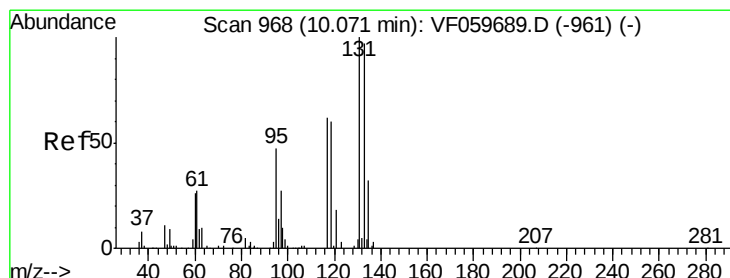
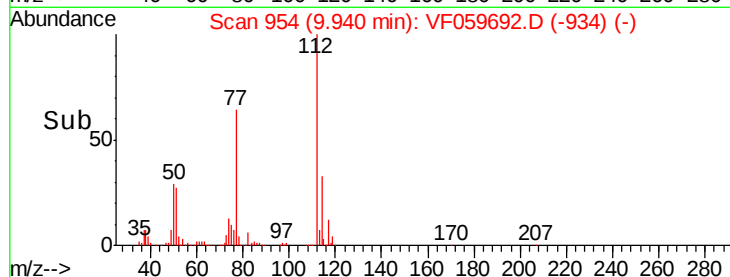
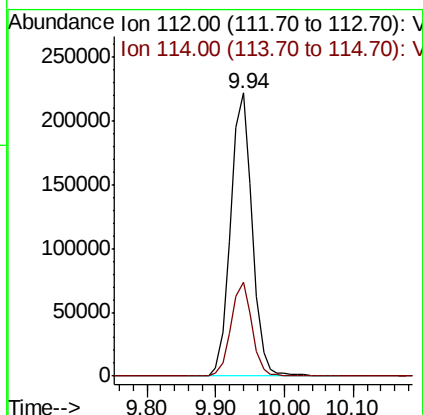
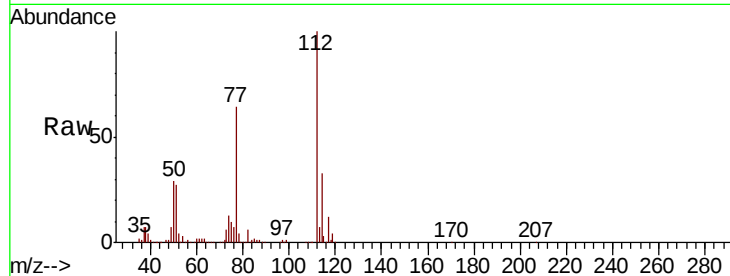




#65
Chlorobenzene
Concen: 93.184 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

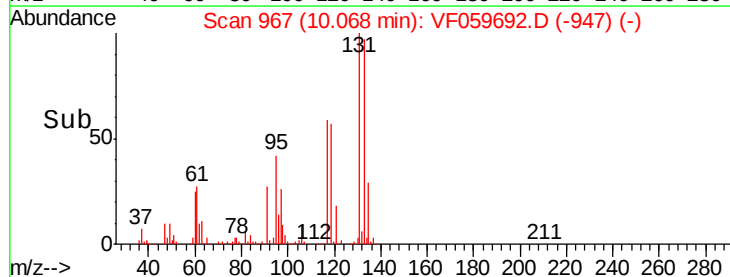
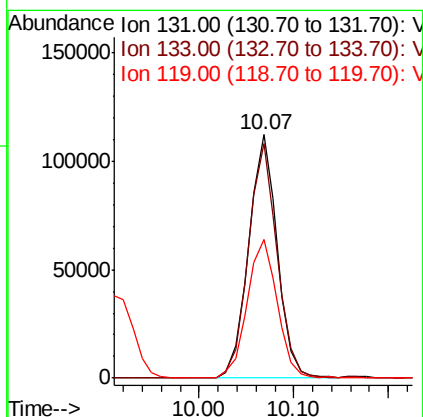
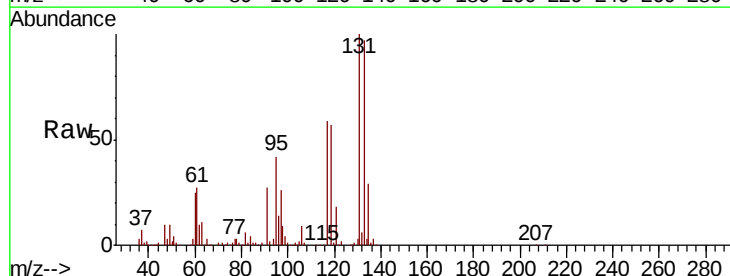
Instrument :
MSVOA_F
ClientSampled :

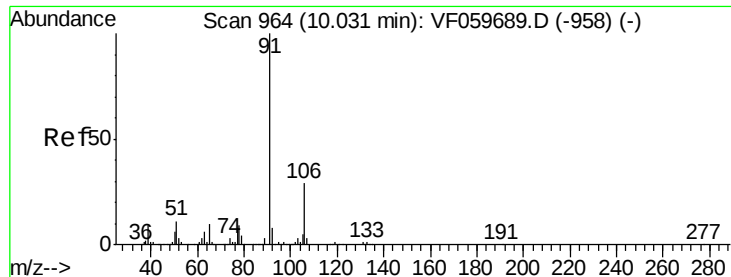
Tot Ion:112 Resp: 481492
Ion Ratio Lower Upper
112 100
114 33.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 98.935 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion:131 Resp: 235285
Ion Ratio Lower Upper
131 100
133 96.6 48.5 145.5
119 56.9 30.3 90.8





#67

Ethyl Benzene

Concen: 92.934 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

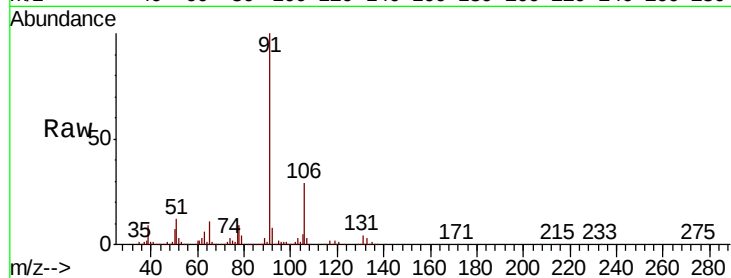
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 870790

Ion Ratio Lower Upper

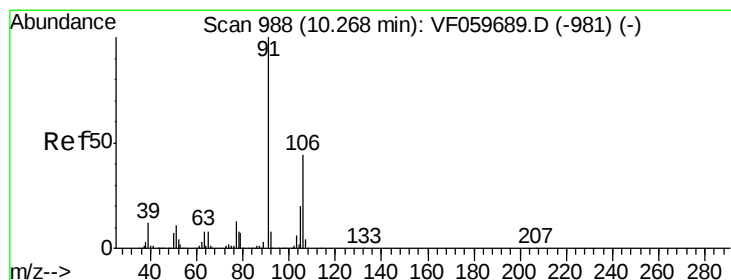
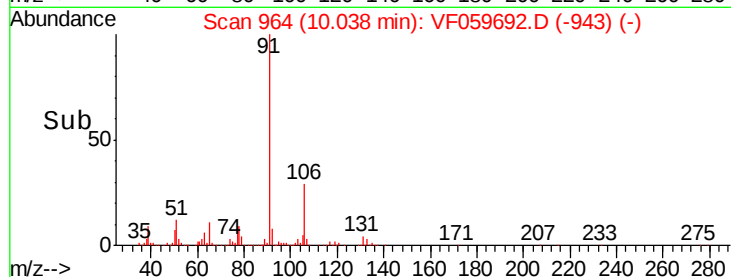
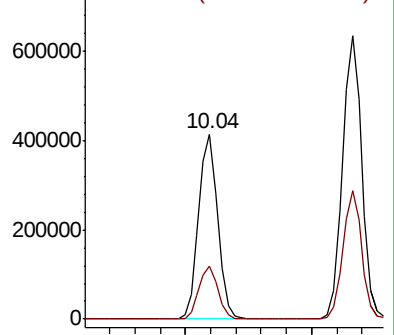
91 100

106 28.6 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 184.526 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059692.D

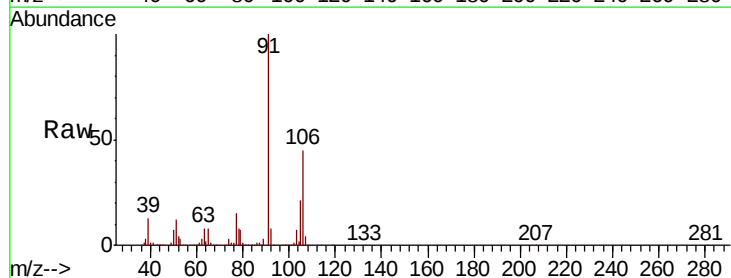
Acq: 30 Jul 2018 16:53

Tgt Ion: 106 Resp: 598357

Ion Ratio Lower Upper

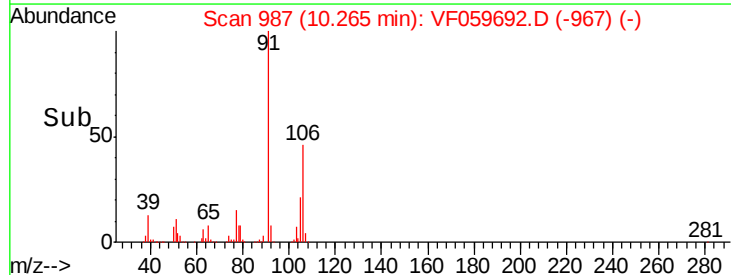
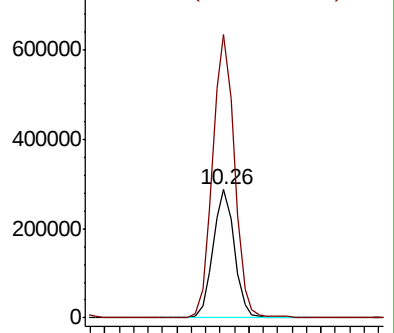
106 100

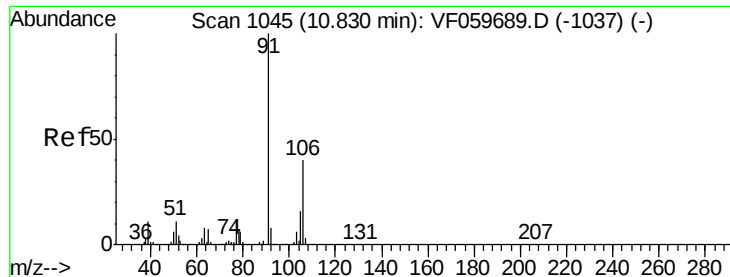
91 221.2 181.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

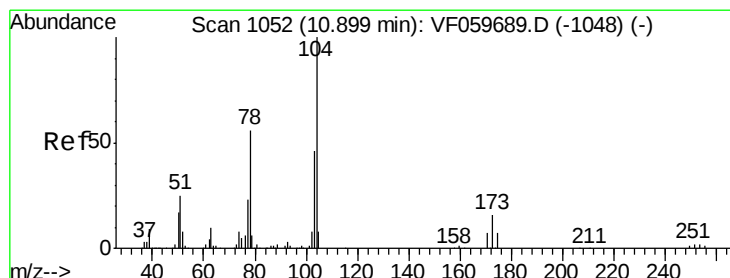
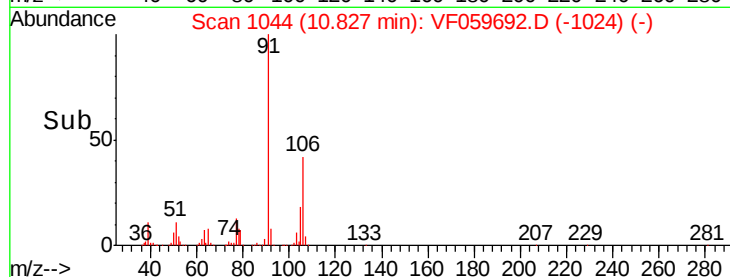
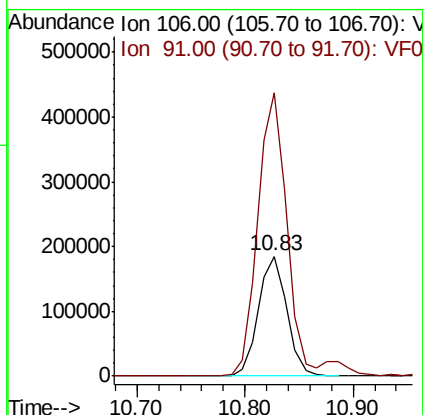
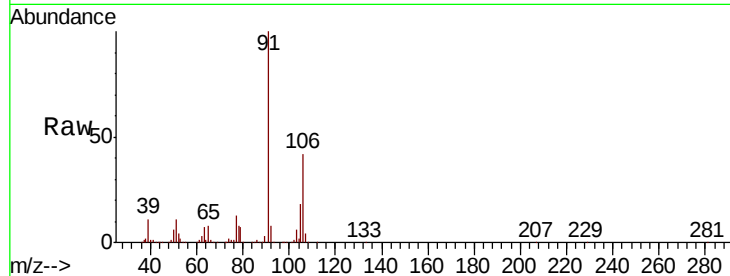




#69
o-Xylene
Concen: 97.544 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

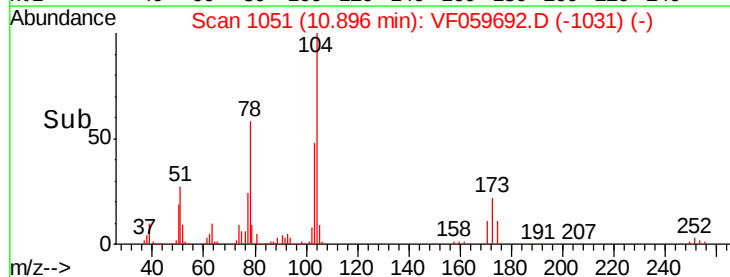
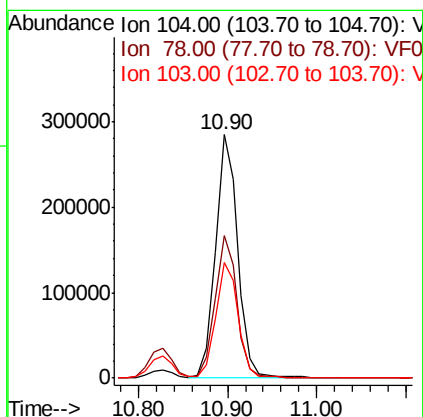
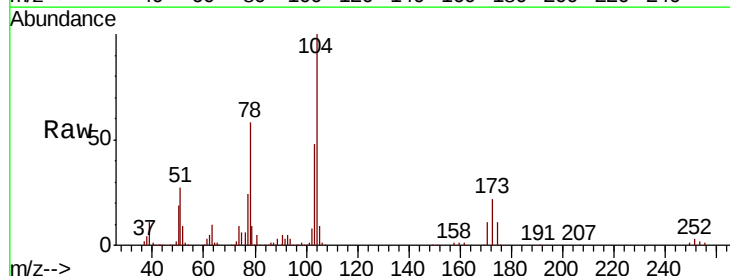
Instrument :
MSVOA_F
ClientSampled :

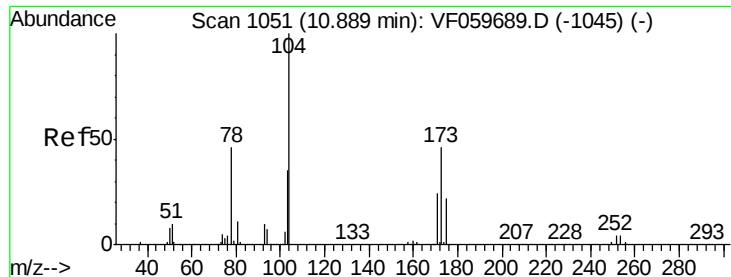
Tot Ion:106 Resp: 341583
Ion Ratio Lower Upper
106 100
91 236.3 124.6 373.7



#70
Styrene
Concen: 97.214 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion:104 Resp: 495086
Ion Ratio Lower Upper
104 100
78 58.3 45.3 67.9
103 47.6 36.6 54.8





#71

Bromoform

Concen: 108.258 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

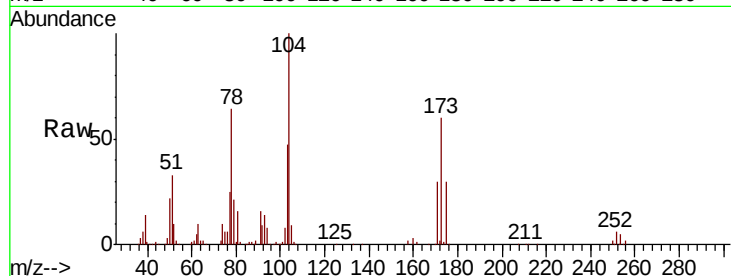
Tot Ion:173 Resp: 158757

Ion Ratio Lower Upper

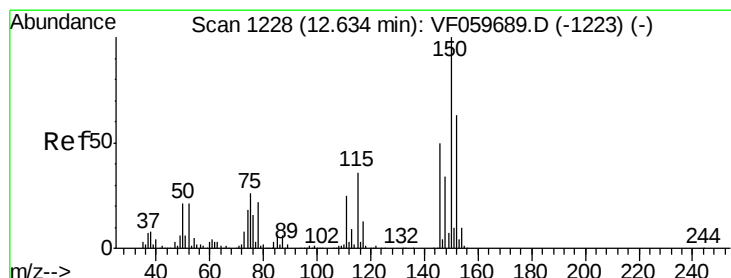
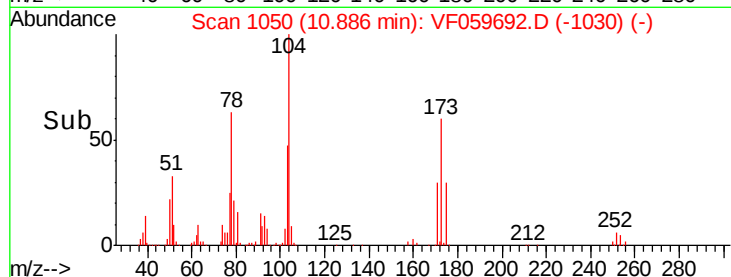
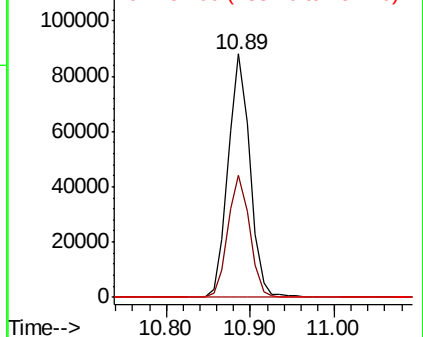
173 100

175 49.1 23.4 70.0

254 0.2 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

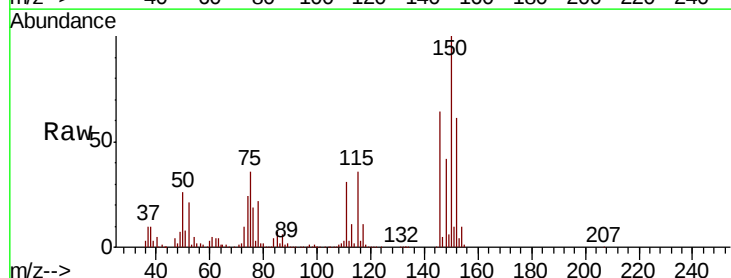
Tgt Ion:152 Resp: 176200

Ion Ratio Lower Upper

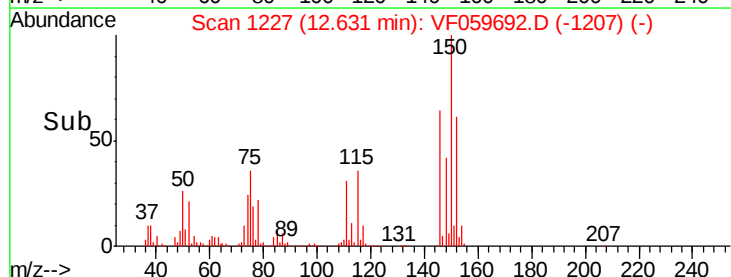
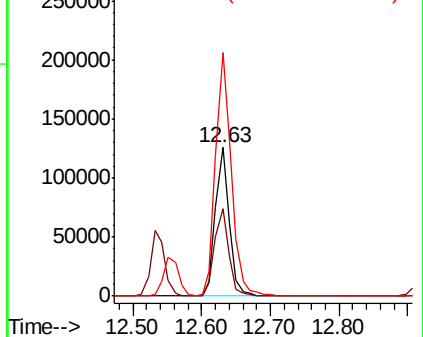
152 100

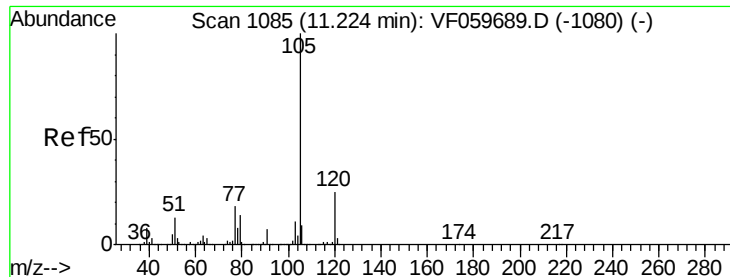
115 58.9 28.2 84.6

150 163.6 0.0 316.2



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





#73

Isopropylbenzene

Concen: 87.669 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

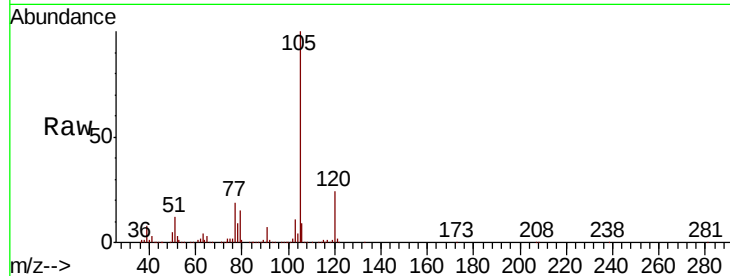
ClientSampleId :

Tot Ion:105 Resp: 1054391

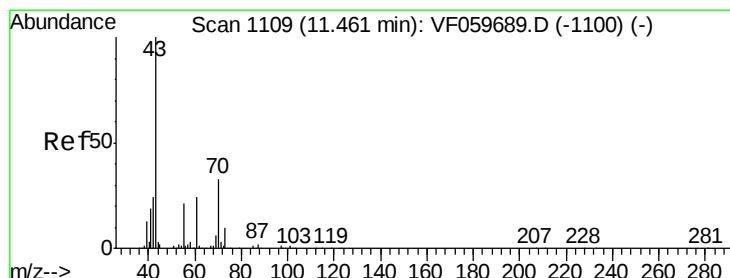
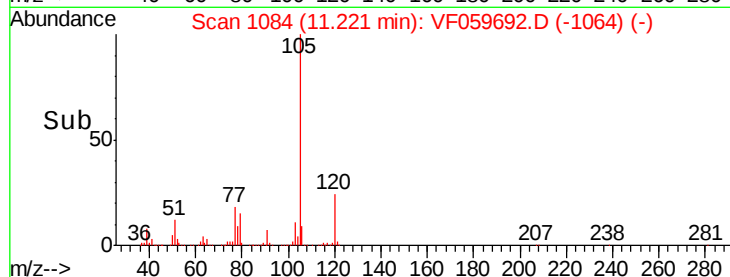
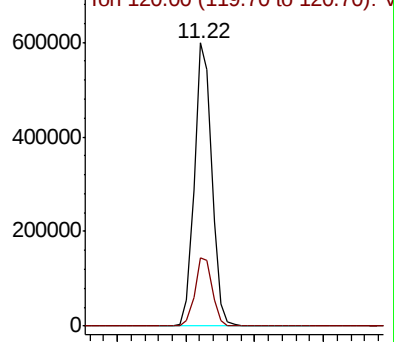
Ion Ratio Lower Upper

105 100

120 24.1 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 114.822 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Tgt Ion: 43 Resp: 283026

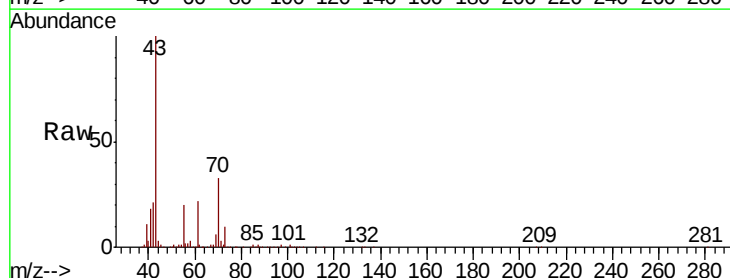
Ion Ratio Lower Upper

43 100

70 32.9 26.3 39.5

55 20.2 16.6 25.0

61 21.7 19.1 28.7

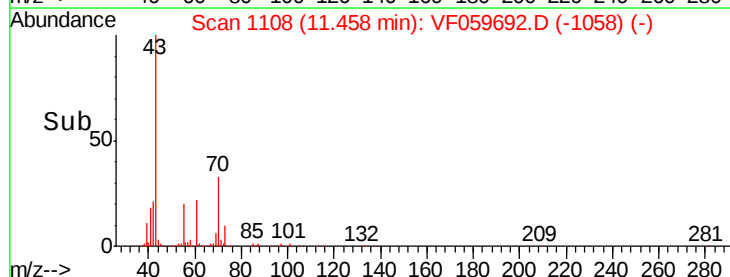
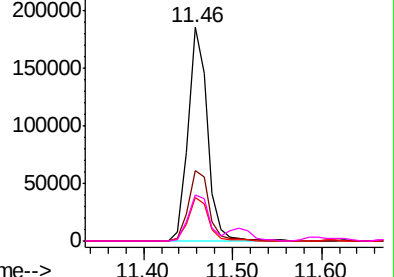


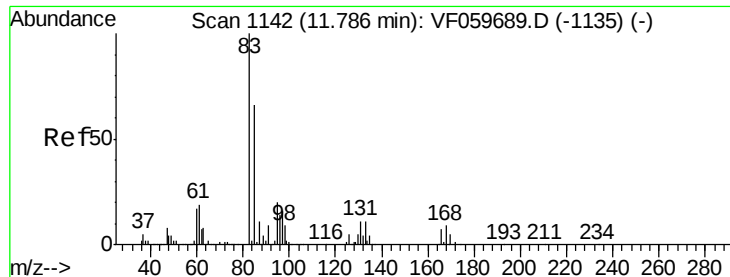
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 100.407 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

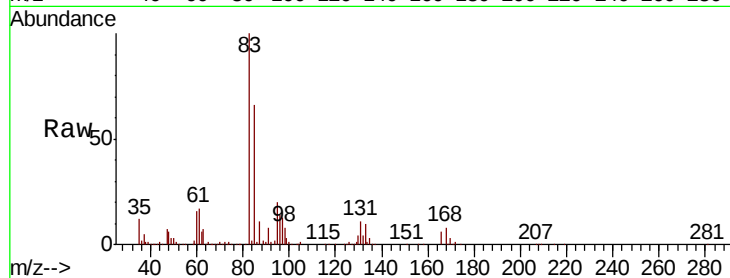
Tot Ion: 83 Resp: 198302

Ion Ratio Lower Upper

83 100

131 10.7 5.8 17.3

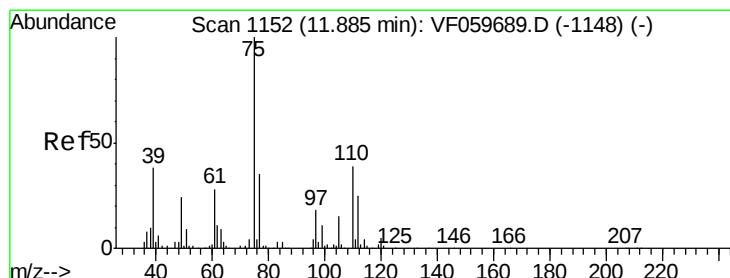
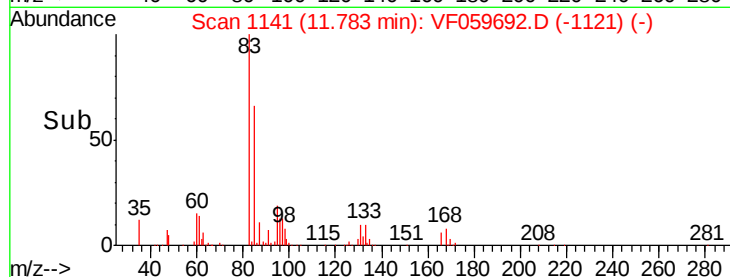
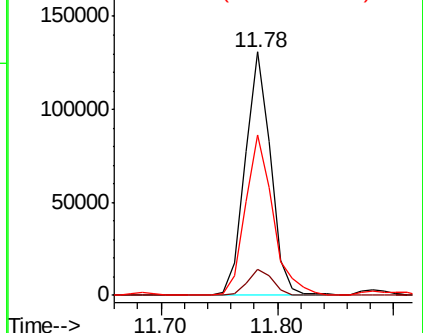
85 65.9 32.8 98.3



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: 99.137 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059692.D

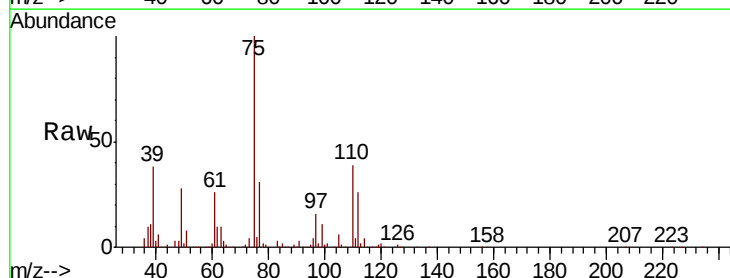
Acq: 30 Jul 2018 16:53

Tgt Ion: 75 Resp: 160803

Ion Ratio Lower Upper

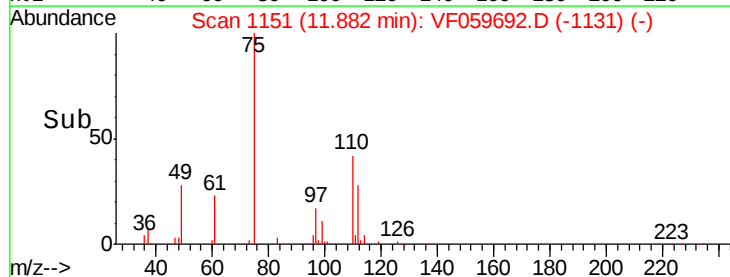
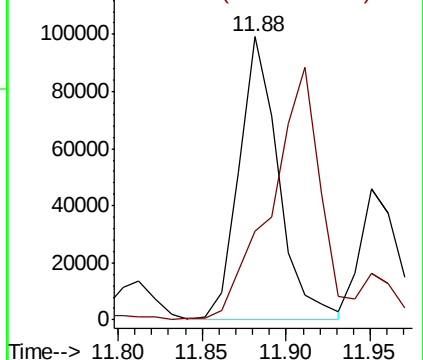
75 100

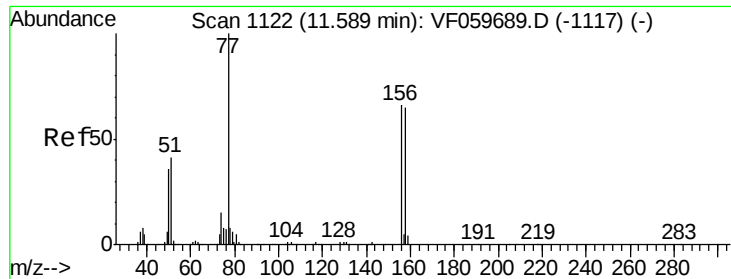
77 31.5 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 91.088 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampled :

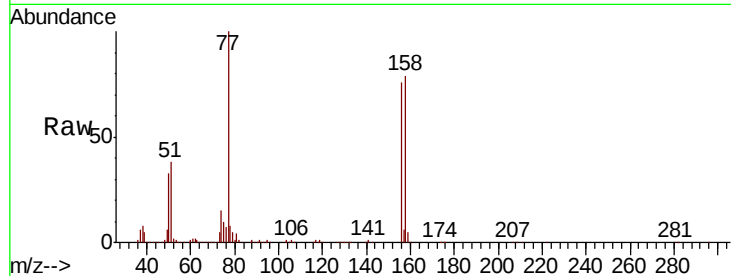
Tot Ion:156 Resp: 265908

Ion Ratio Lower Upper

156 100

77 131.3 75.2 225.6

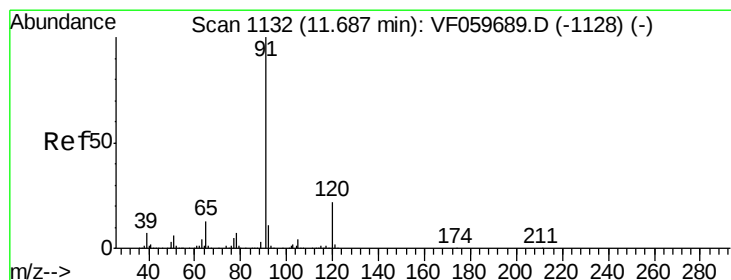
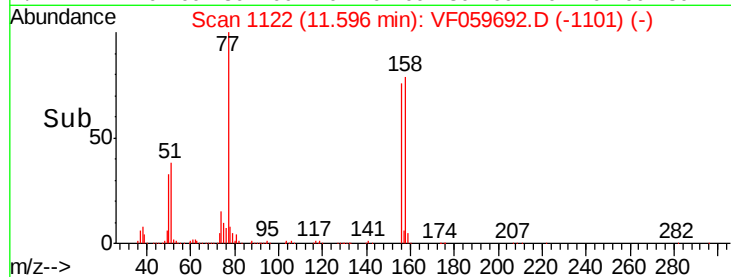
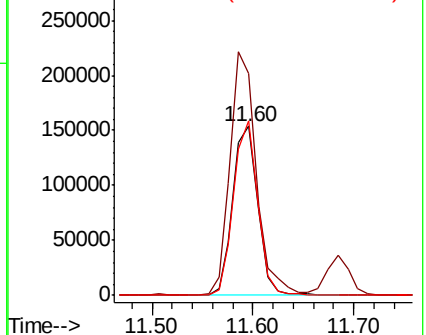
158 103.5 49.1 147.3



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: 85.015 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059692.D

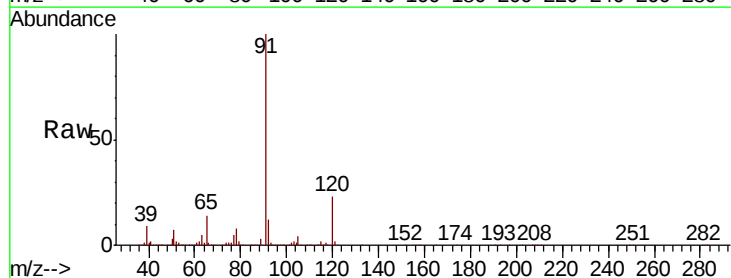
Acq: 30 Jul 2018 16:53

Tgt Ion: 91 Resp: 1177981

Ion Ratio Lower Upper

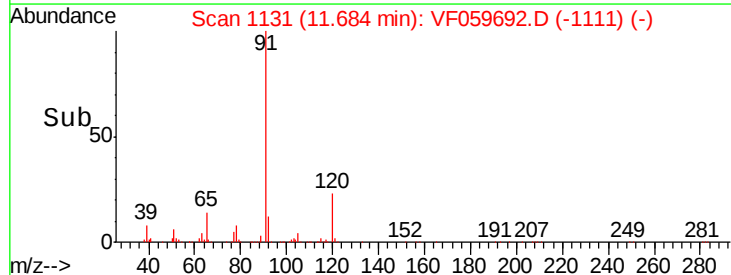
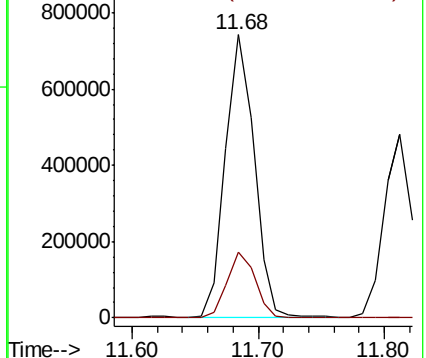
91 100

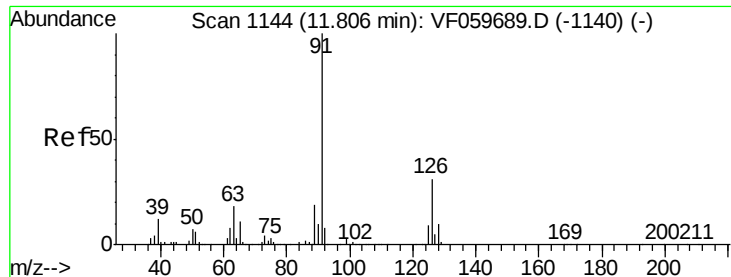
120 23.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 88.669 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

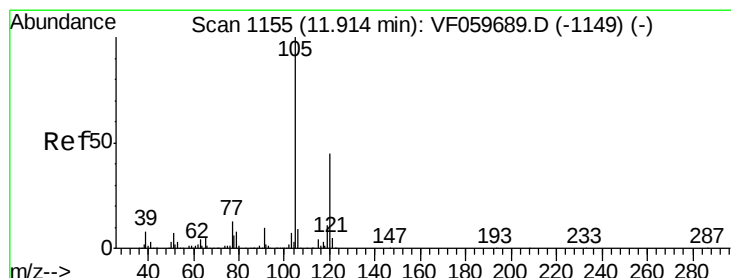
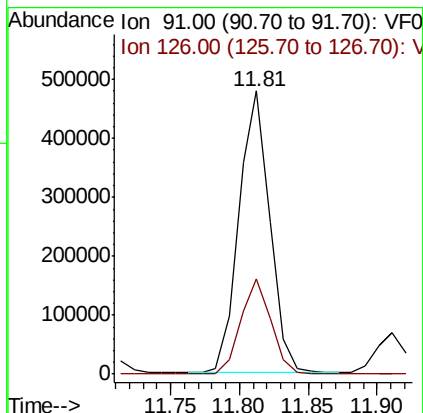
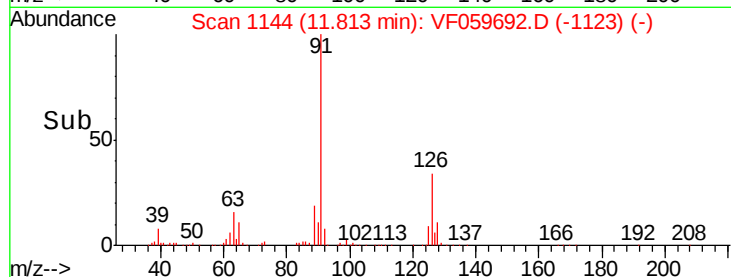
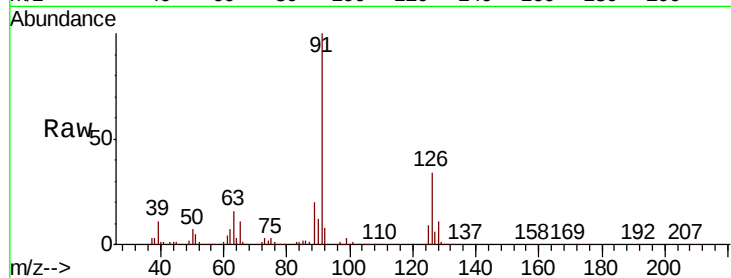
ClientSampleId :

Tot Ion: 91 Resp: 747708

Ion Ratio Lower Upper

91 100

126 33.5 15.4 46.2



#80

1,3,5-Trimethylbenzene

Concen: 86.737 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059692.D

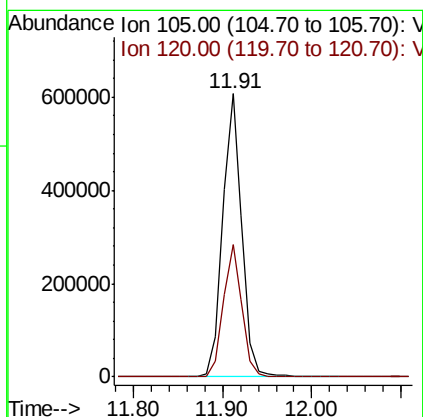
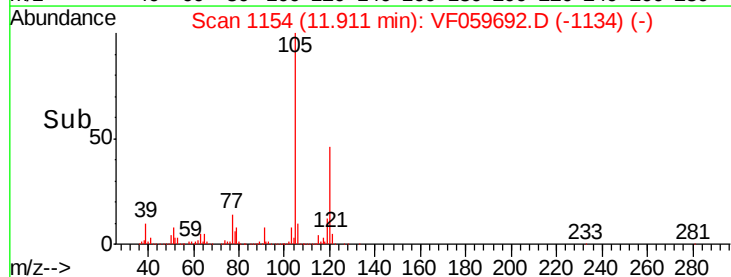
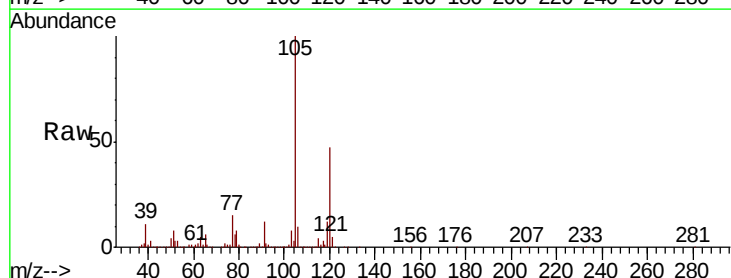
Acq: 30 Jul 2018 16:53

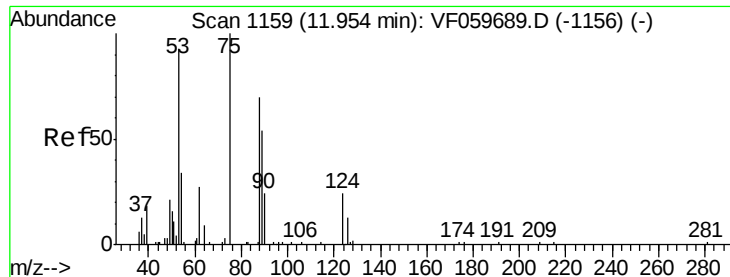
Tgt Ion:105 Resp: 915642

Ion Ratio Lower Upper

105 100

120 46.8 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 114.435 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

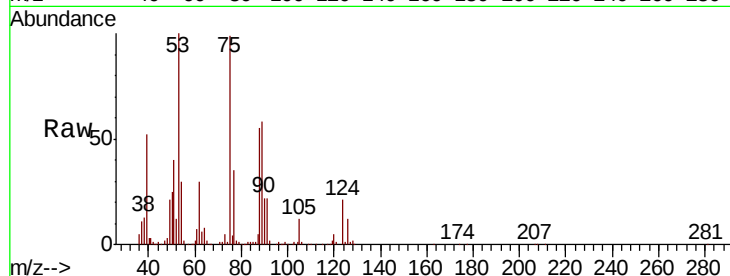
Tot Ion: 75 Resp: 96379

Ion Ratio Lower Upper

75 100

53 100.5 78.3 117.5

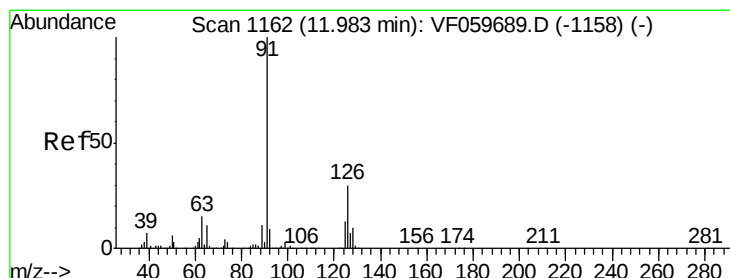
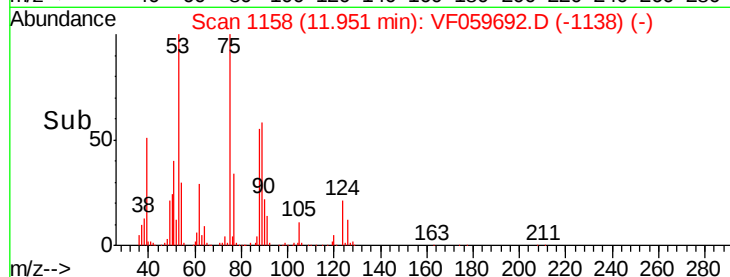
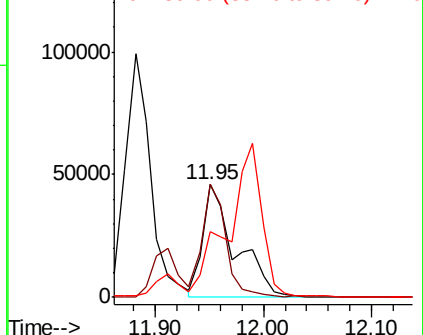
89 58.4 45.4 68.2



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: 90.002 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059692.D

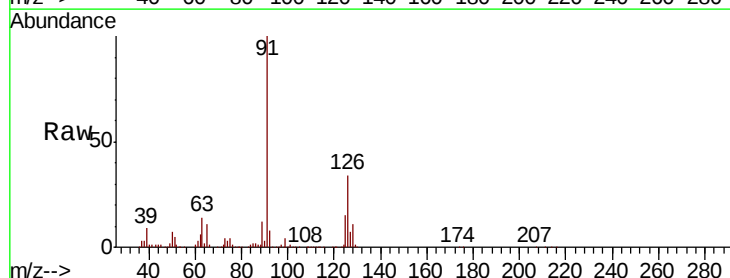
Acq: 30 Jul 2018 16:53

Tgt Ion: 91 Resp: 799695

Ion Ratio Lower Upper

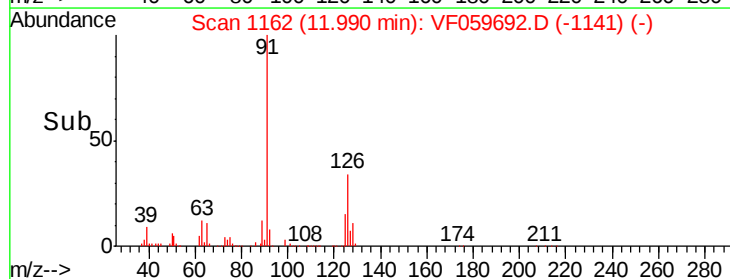
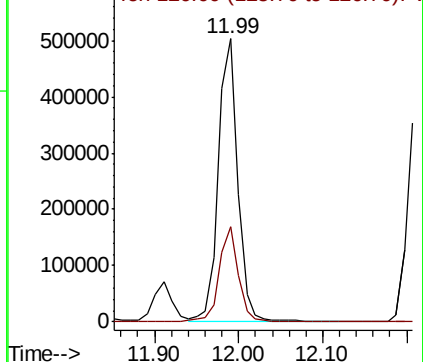
91 100

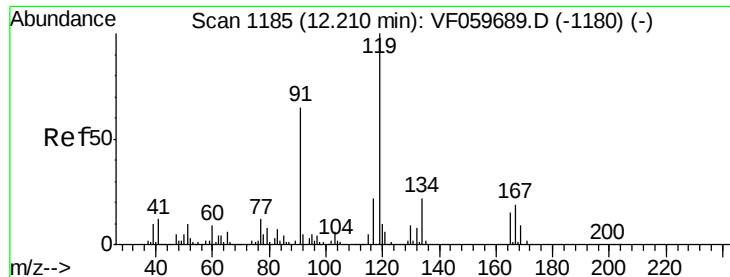
126 33.7 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 86.667 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

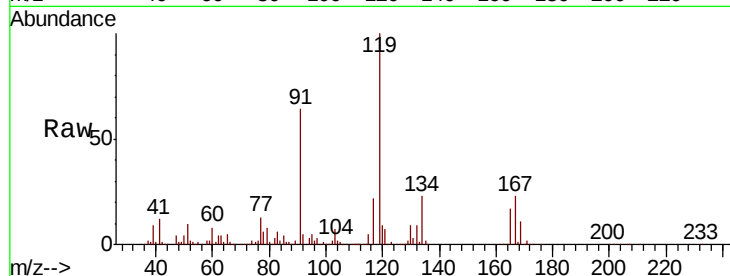
Tot Ion:119 Resp: 924586

Ion Ratio Lower Upper

119 100

91 64.0 32.8 98.4

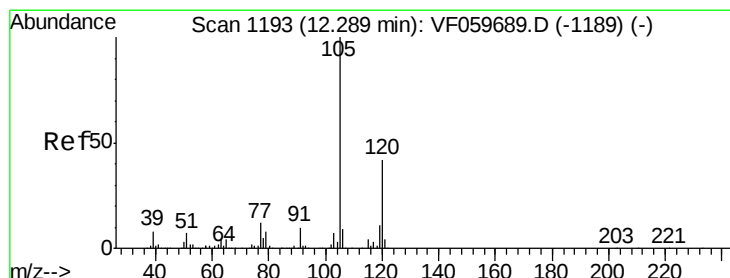
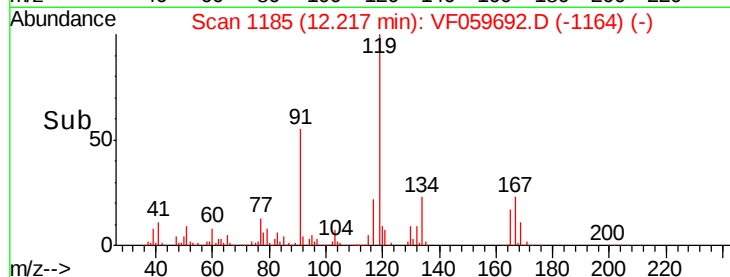
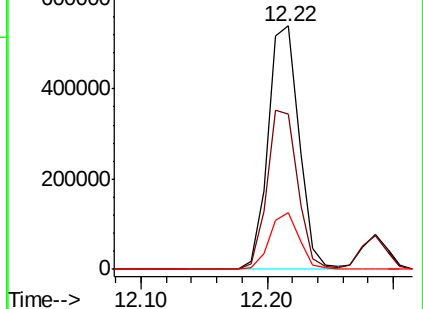
134 23.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 87.059 ug/l

RT: 12.29 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059692.D

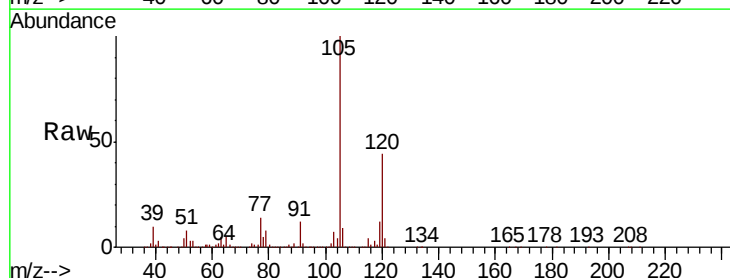
Acq: 30 Jul 2018 16:53

Tgt Ion:105 Resp: 944293

Ion Ratio Lower Upper

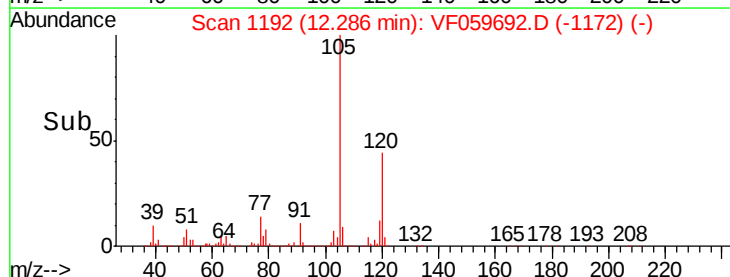
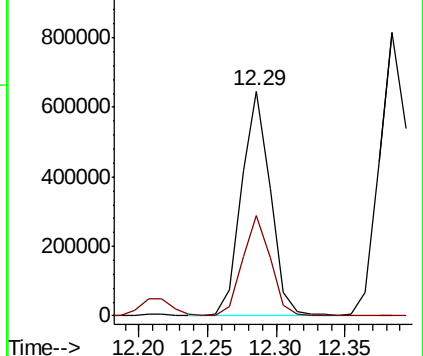
105 100

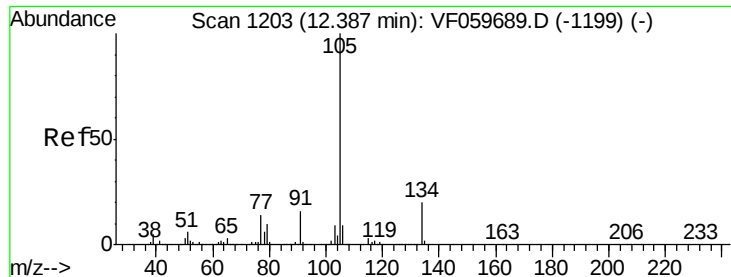
120 44.4 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 85.599 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

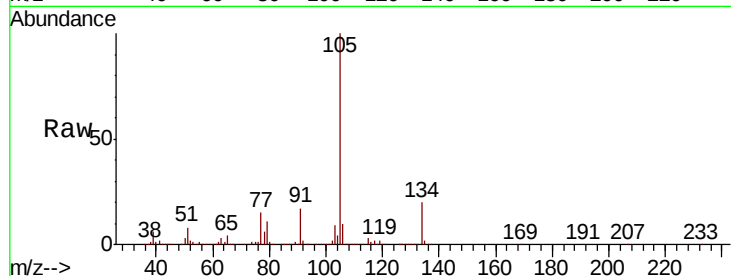
ClientSampled :

Tot Ion:105 Resp: 1201451

Ion Ratio Lower Upper

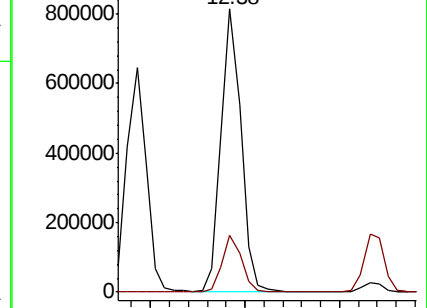
105 100

134 20.0 9.8 29.3

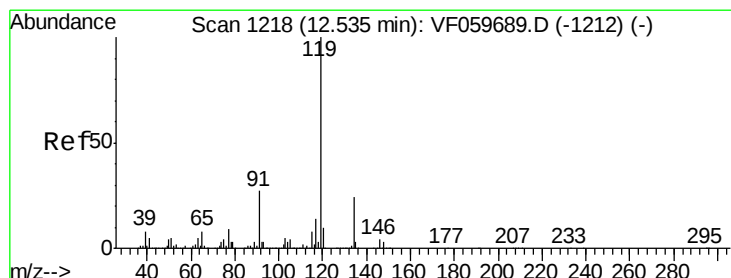
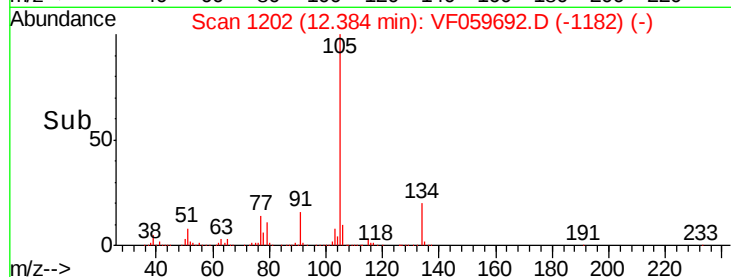


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 86.199 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

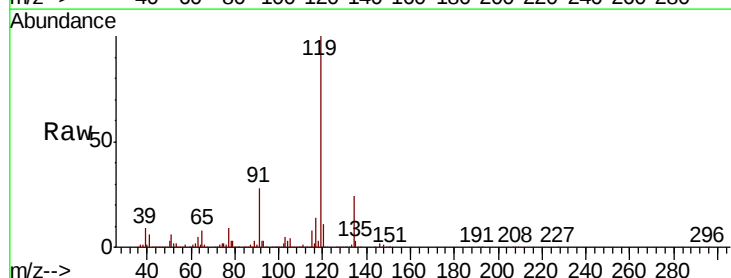
Tgt Ion:119 Resp: 1040383

Ion Ratio Lower Upper

119 100

134 24.1 12.2 36.6

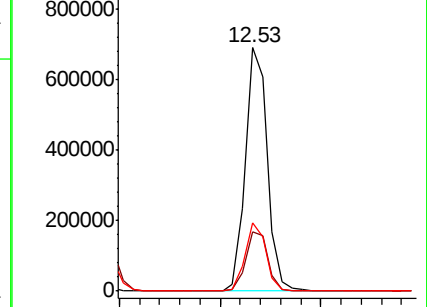
91 27.9 13.4 40.2



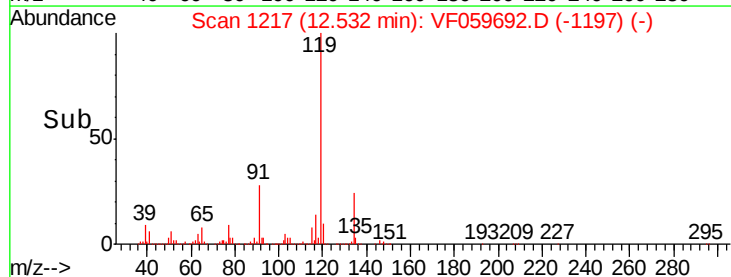
Abundance Ion 119.00 (118.70 to 119.70): V

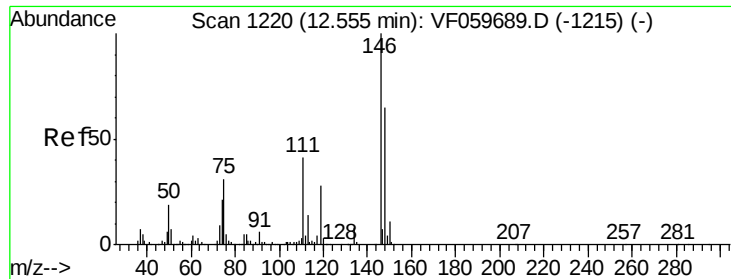
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->

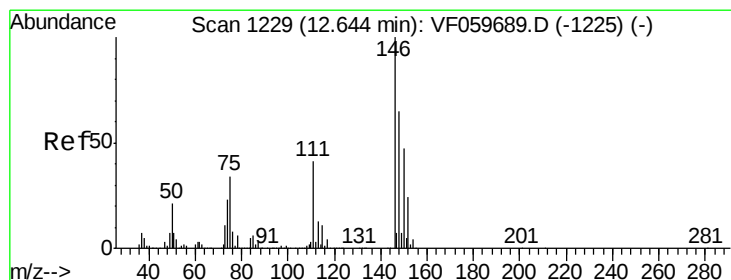
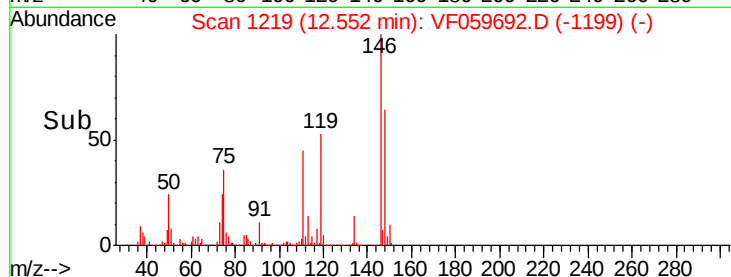
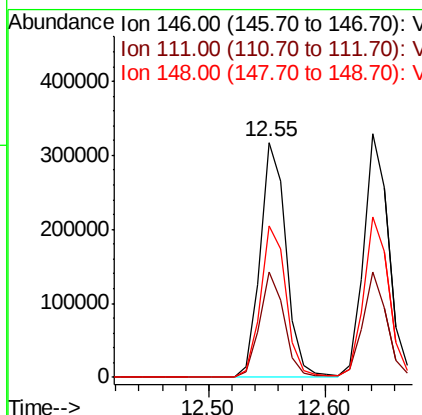
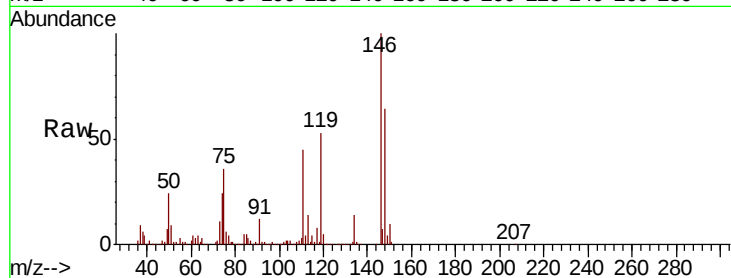




#87
 1,3-Dichlorobenzene
 Concen: 85.834 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

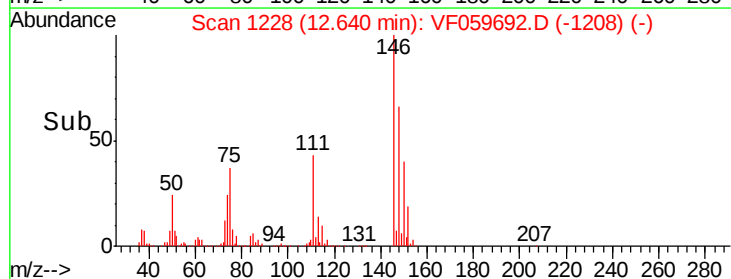
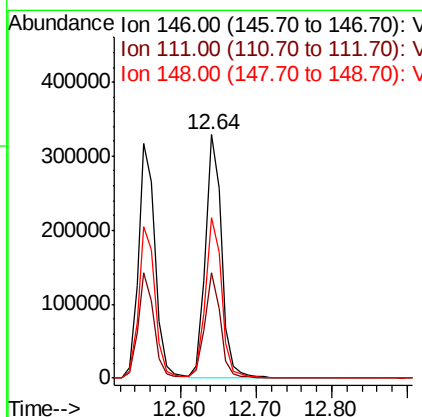
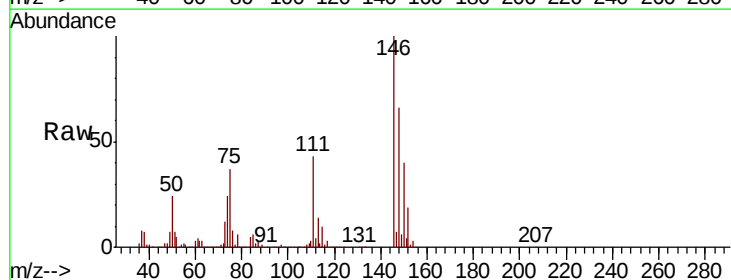
Instrument :
 MSVOA_F
 ClientSampleId :

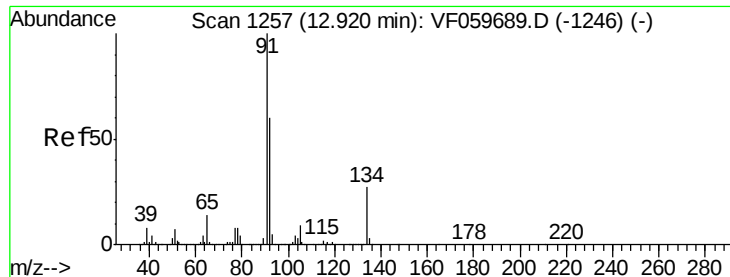
Tot Ion:146 Resp: 488621
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.7 62.1
 148 64.3 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 91.392 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Tgt Ion:146 Resp: 495647
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.8 62.2
 148 65.7 32.3 96.9

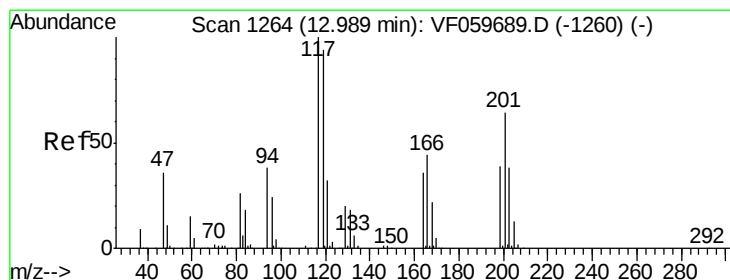
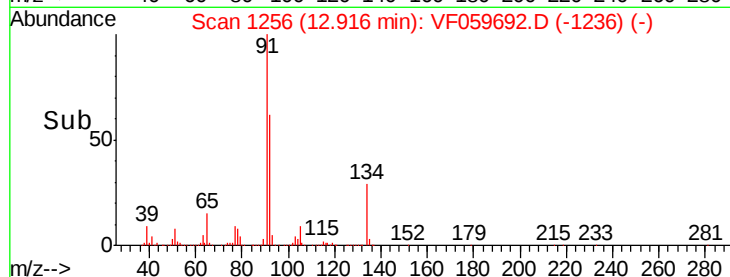
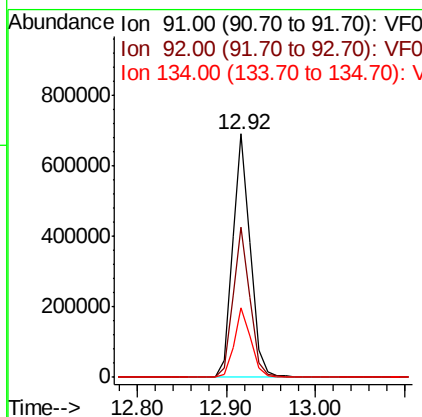
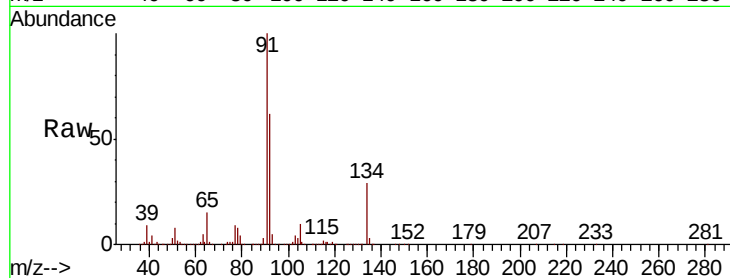




#89
n-Butylbenzene
Concen: 82.523 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

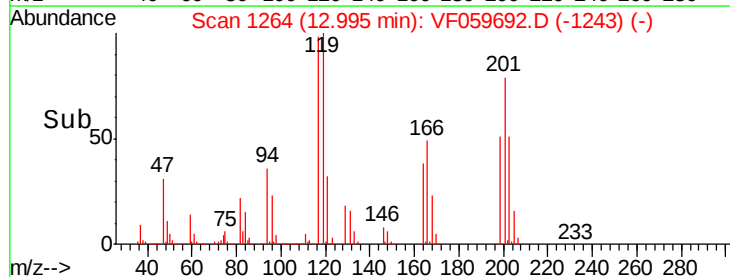
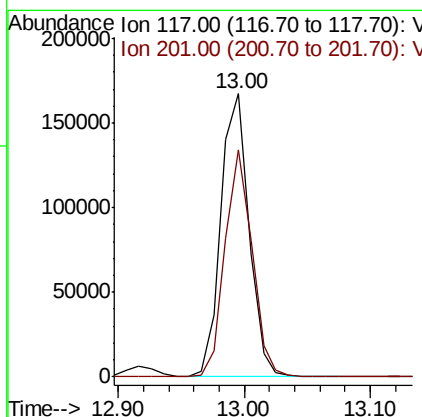
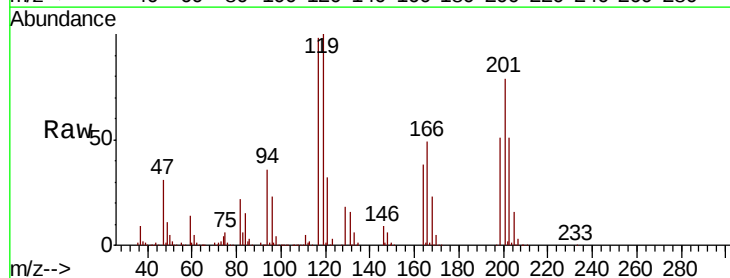
Instrument :
MSVOA_F
ClientSampleId :

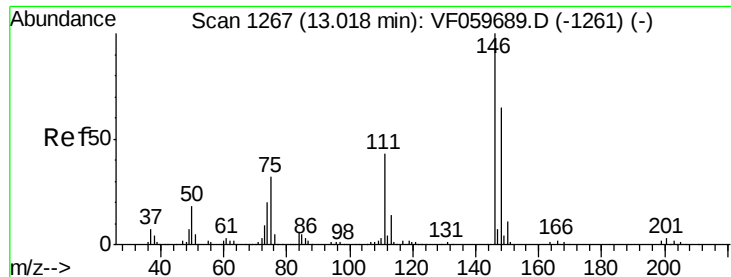
Tot Ion: 91 Resp: 963210
Ion Ratio Lower Upper
91 100
92 61.7 30.1 90.3
134 28.5 13.7 41.0



#90
Hexachloroethane
Concen: 84.345 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059692.D
Acq: 30 Jul 2018 16:53

Tgt Ion: 117 Resp: 259136
Ion Ratio Lower Upper
117 100
201 80.3 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 88.964 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

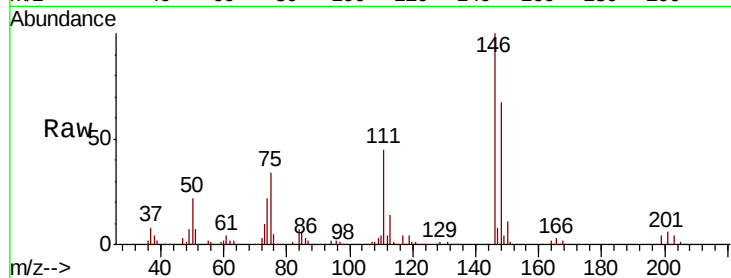
Tot Ion:146 Resp: 470841

Ion Ratio Lower Upper

146 100

111 45.0 21.6 65.0

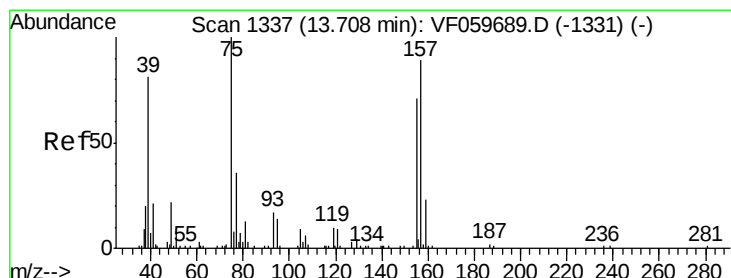
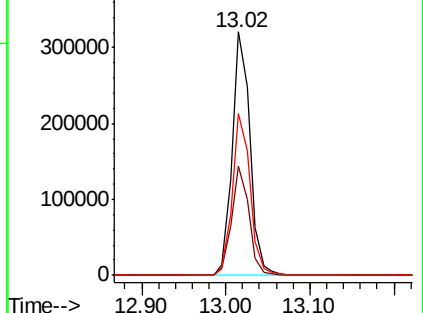
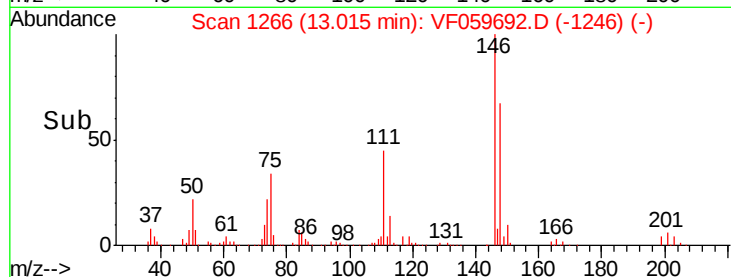
148 66.6 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 116.399 ug/l

RT: 13.71 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

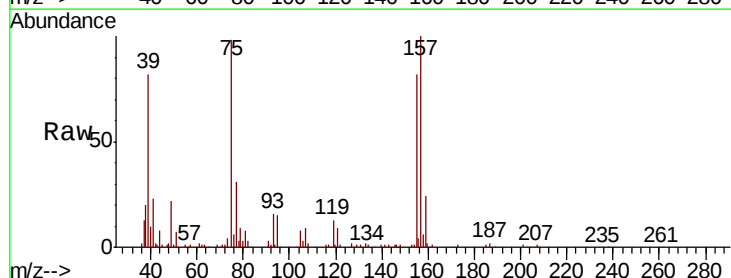
Tgt Ion: 75 Resp: 55913

Ion Ratio Lower Upper

75 100

155 84.1 35.4 106.2

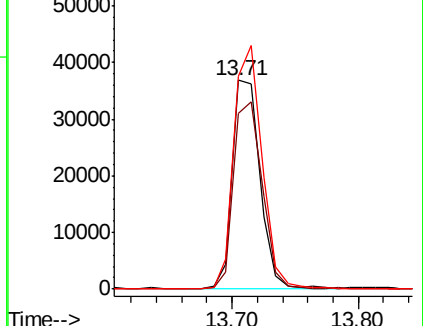
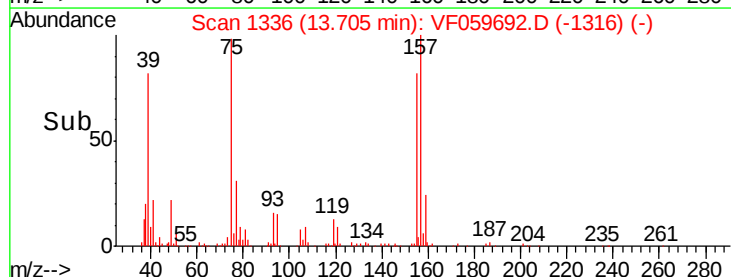
157 102.0 44.4 133.2

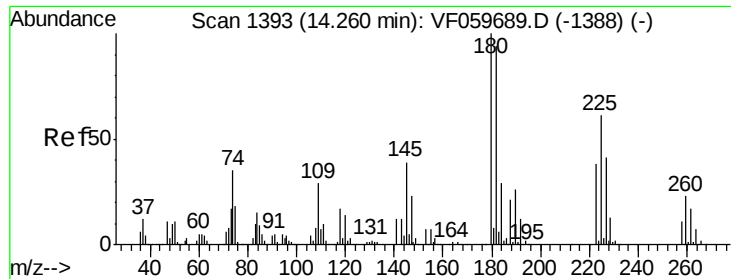


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

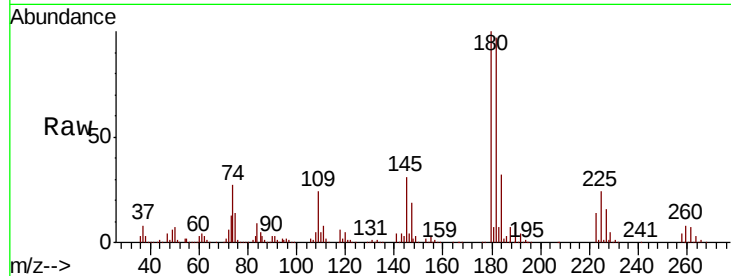




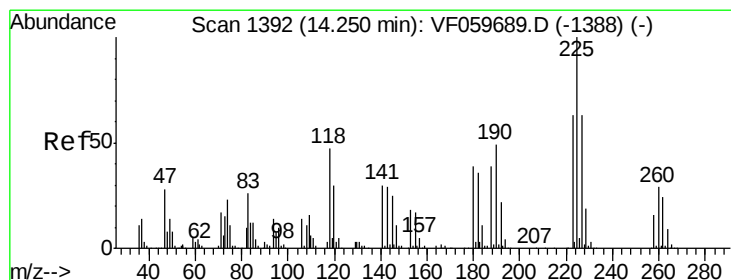
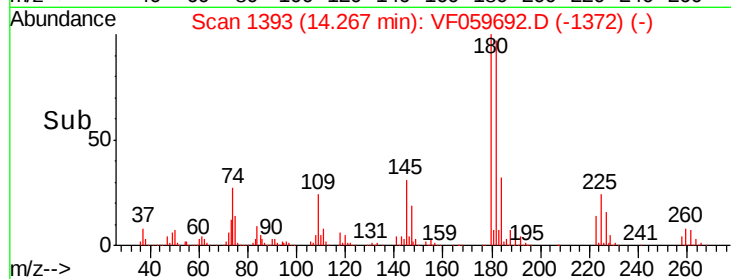
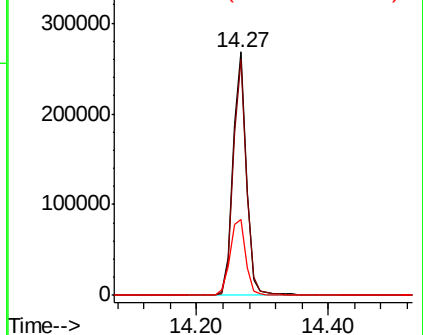
#93
 1,2,4-Trichlorobenzene
 Concen: 91.140 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 386567
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.2 141.6
 145 31.0 19.3 57.9

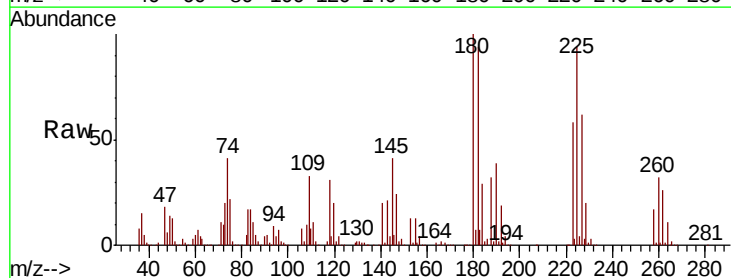


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

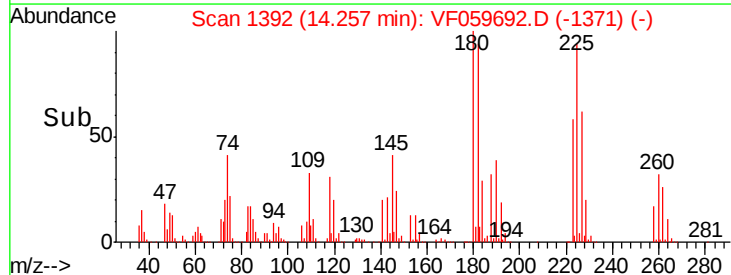
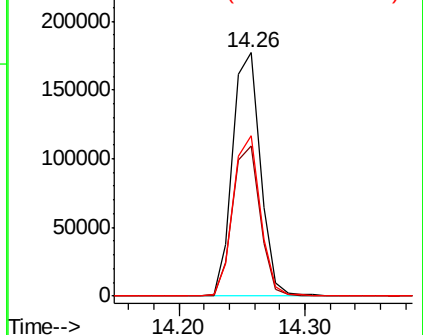


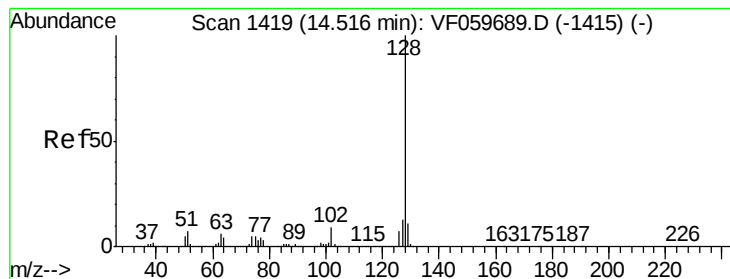
#94
 Hexachlorobutadiene
 Concen: 86.664 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059692.D
 Acq: 30 Jul 2018 16:53

Tgt Ion:225 Resp: 270429
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.4 94.2
 227 65.6 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: 109.616 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

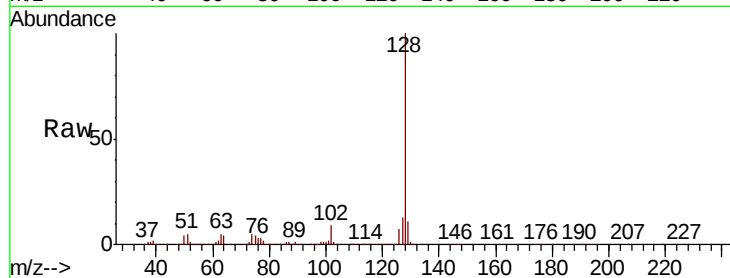
Tot Ion:128 Resp: 740831

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

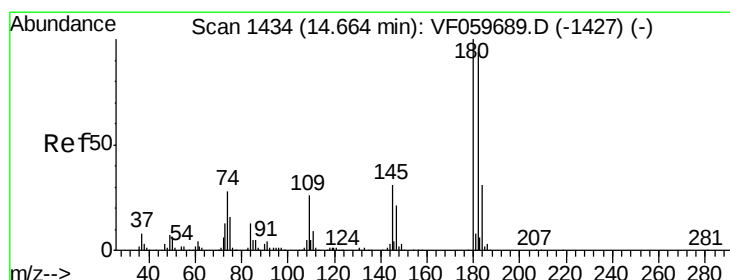
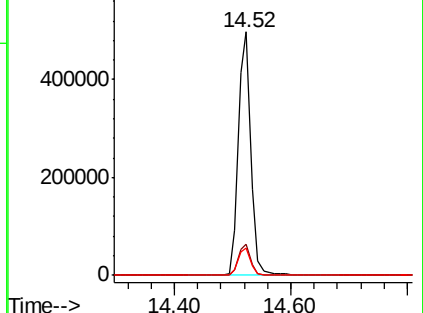
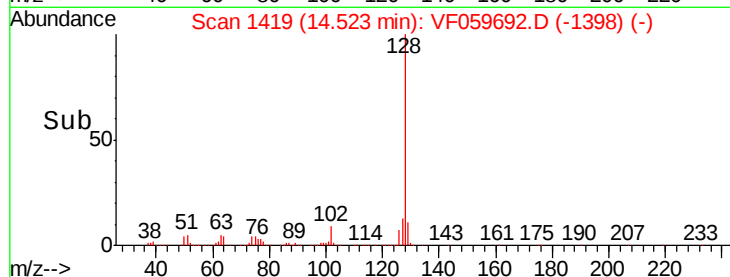
129 11.1 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 99.689 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059692.D

Acq: 30 Jul 2018 16:53

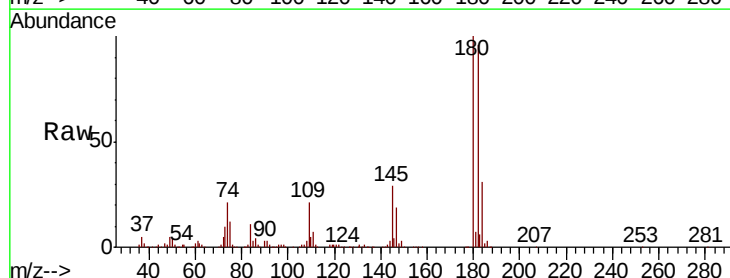
Tgt Ion:180 Resp: 384350

Ion Ratio Lower Upper

180 100

182 96.5 47.2 141.6

145 28.9 15.6 46.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

