

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121018\
 Data File : VF060953.D
 Acq On : 10 Dec 2018 14:59
 Operator : VA/AP
 Sample : VF1210SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 11 04:56:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	193076	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	323773	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.78	117	288082	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	154123	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	125520	55.19	ug/l	-0.05
Spiked Amount			Recovery	=	110.38%	
35) Dibromofluoromethane	4.10	113	129451	50.40	ug/l	-0.05
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	7.56	98	351669	46.48	ug/l	-0.04
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.41	95	160871	46.78	ug/l	-0.03
Spiked Amount			Recovery	=	93.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	62757	21.739	ug/l	100
3) Chloromethane	1.09	50	43322	23.061	ug/l	90
4) Vinyl Chloride	1.14	62	40137	22.906	ug/l	91
5) Bromomethane	1.32	94	28060	22.710	ug/l	97
6) Chloroethane	1.40	64	18617	24.579	ug/l #	79
7) Trichlorofluoromethane	1.48	101	61308	16.307	ug/l	92
8) Diethyl Ether	1.62	74	11836	21.893	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43697	22.990	ug/l	91
10) Methyl Iodide	1.91	142	55583	19.239	ug/l	93
11) Tert butyl alcohol	2.56	59	11166	119.759	ug/l	97
12) 1,1-Dichloroethene	1.80	96	33086	21.642	ug/l	92
13) Acrolein	1.99	56	8706	98.552	ug/l	100
14) Allyl chloride	2.08	41	40365	21.184	ug/l	99
15) Acrylonitrile	2.94	53	27321	130.703	ug/l	94
16) Acetone	2.24	43	52777	125.830	ug/l	97
17) Carbon Disulfide	1.81	76	70636	17.232	ug/l	96
18) Methyl Acetate	2.34	43	21333	29.645	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	79699	23.146	ug/l	100
20) Methylene Chloride	2.27	84	26828	17.435	ug/l	91
21) trans-1,2-Dichloroethene	2.30	96	25226	17.115	ug/l	89
22) Diisopropyl ether	2.79	45	119194	22.981	ug/l	97
23) Vinyl Acetate	3.18	43	305774	128.969	ug/l	100
24) 1,1-Dichloroethane	2.86	63	74337	24.089	ug/l	99
25) 2-Butanone	4.33	43	94793	130.665	ug/l	97
26) 2,2-Dichloropropane	3.59	77	43471	21.729	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	51646	21.524	ug/l	97
28) Bromochloromethane	3.71	49	33902	22.891	ug/l	97
29) Tetrahydrofuran	4.07	42	36324	118.121	ug/l	96
30) Chloroform	3.85	83	107359	22.605	ug/l	96
31) Cyclohexane	3.68	56	41159	12.852	ug/l	98
32) 1,1,1-Trichloroethane	4.08	97	62145	18.867	ug/l	99
36) 1,1-Dichloropropene	4.27	75	82127	22.869	ug/l	99
37) Ethyl Acetate	4.10	43	36232	24.827	ug/l	90
38) Carbon Tetrachloride	3.99	117	65481	20.644	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	75747	20.127	ug/l	94
40) Benzene	4.63	78	171082	21.564	ug/l	96
41) Methacrylonitrile	4.73	41	21253	26.288	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	65059	22.462	ug/l	97
43) Isopropyl Acetate	6.95	43	41721	21.628	ug/l #	98
44) Trichloroethene	5.49	130	57762	22.267	ug/l	98
45) 1,2-Dichloropropane	6.23	63	45860	22.257	ug/l	99
46) Dibromomethane	6.09	93	31694	22.675	ug/l	92
47) Bromodichloromethane	6.38	83	82436	22.205	ug/l	94
48) Methyl methacrylate	6.71	41	27845	21.079	ug/l	96
49) 1,4-Dioxane	6.71	88	4343	449.222	ug/l #	72
51) 4-Methyl-2-Pentanone	8.26	43	156238	116.096	ug/l	96
52) Toluene	7.62	92	111185	19.952	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	64692	21.423	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	83910	22.446	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	35240	21.702	ug/l	98
56) Ethyl methacrylate	8.62	69	36561	20.268	ug/l	94
57) 1,3-Dichloropropane	8.85	76	63566	22.375	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.29	63	27904	151.234	ug/l	94
59) 2-Hexanone	9.49	43	110783	117.338	ug/l	96
60) Dibromochloromethane	8.71	129	50683	20.948	ug/l	100
61) 1,2-Dibromoethane	8.99	107	36102	20.580	ug/l	86
64) Tetrachloroethene	8.15	164	47001	21.360	ug/l	97
65) Chlorobenzene	9.80	112	128240	22.882	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	54091	22.451	ug/l	95
67) Ethyl Benzene	9.89	91	232901	22.322	ug/l	99
68) m/p-Xylenes	10.13	106	172761	46.039	ug/l	97
69) o-Xylene	10.71	106	92299	22.306	ug/l	89
70) Styrene	10.79	104	121208	21.131	ug/l	97
71) Bromoform	10.77	173	25378	21.807	ug/l #	93
73) Isopropylbenzene	11.13	105	286609	23.532	ug/l	99
74) N-amyl acetate	11.37	43	67574	24.027	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	48929	24.410	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	36757	25.228	ug/l	99
77) Bromobenzene	11.49	156	60635	22.708	ug/l	87
78) n-propylbenzene	11.59	91	319939	22.431	ug/l	98
79) 2-Chlorotoluene	11.72	91	195994	23.965	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	237089	23.978	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	22236	31.148	ug/l	99
82) 4-Chlorotoluene	11.90	91	192599	22.378	ug/l	97
83) tert-Butylbenzene	12.13	119	244031	24.229	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	227310	23.035	ug/l	96
85) sec-Butylbenzene	12.30	105	325255	23.590	ug/l	97
86) p-Isopropyltoluene	12.46	119	273554	23.665	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	115748	22.789	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	112489	22.726	ug/l	99
89) n-Butylbenzene	12.84	91	270667	23.157	ug/l	97
90) Hexachloroethane	12.91	117	65296	23.458	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	109267	22.717	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8844	22.820	ug/l	92

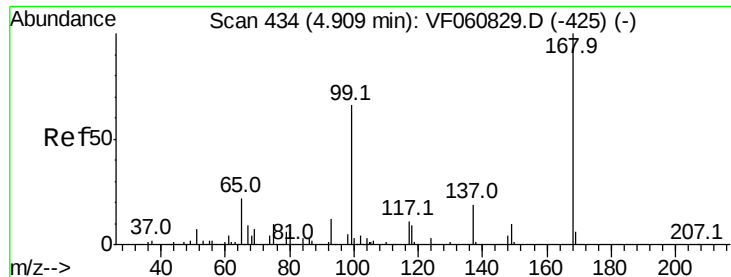
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	79631	23.694	ug/l	99
94) Hexachlorobutadiene	14.18	225	50985	22.757	ug/l	99
95) Naphthalene	14.45	128	140463	19.391	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	74442	23.855	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

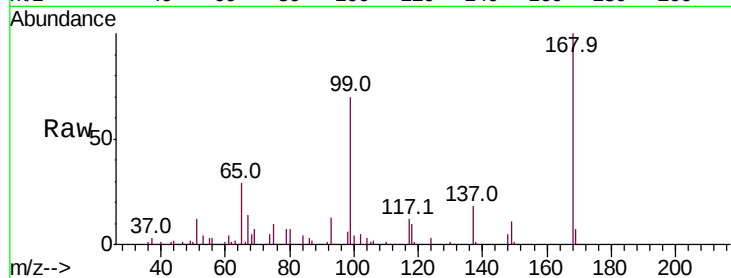
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 193076

Ion Ratio Lower Upper

168 100

99 70.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

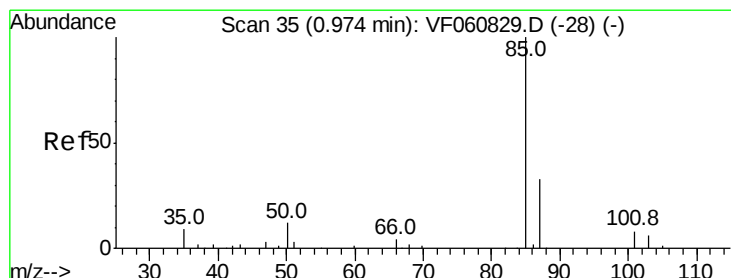
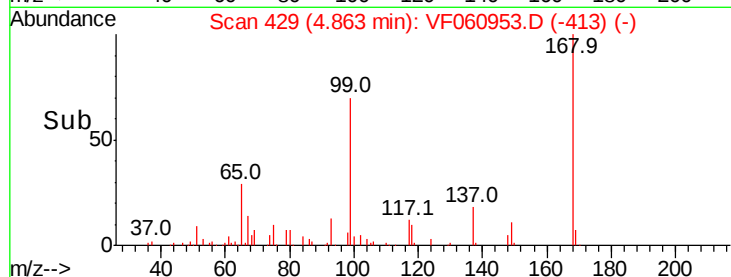
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 21.739 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060953.D

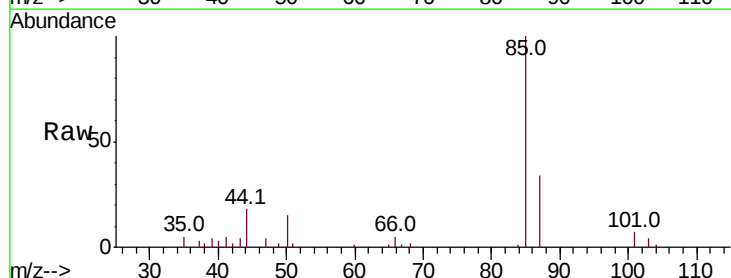
Acq: 10 Dec 2018 14:59

Tgt Ion: 85 Resp: 62757

Ion Ratio Lower Upper

85 100

87 33.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

15000

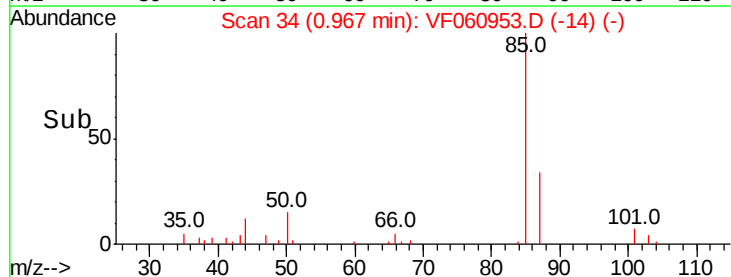
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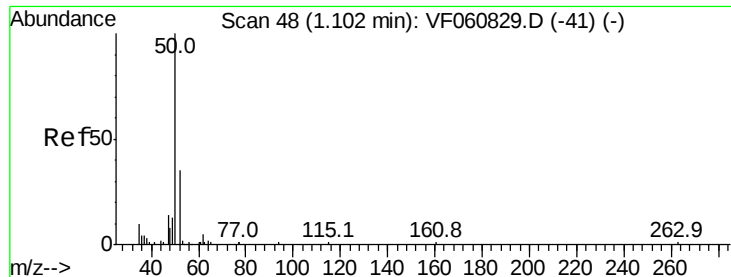
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 23.061 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

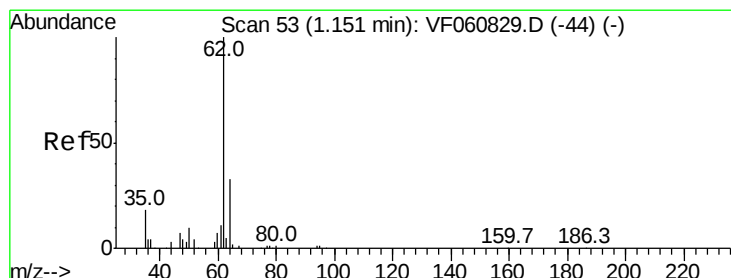
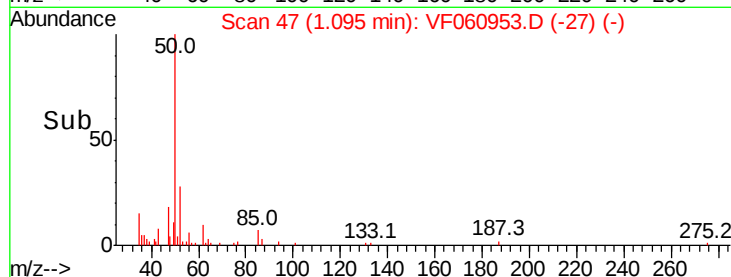
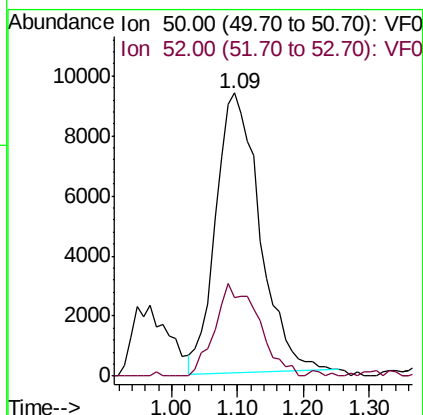
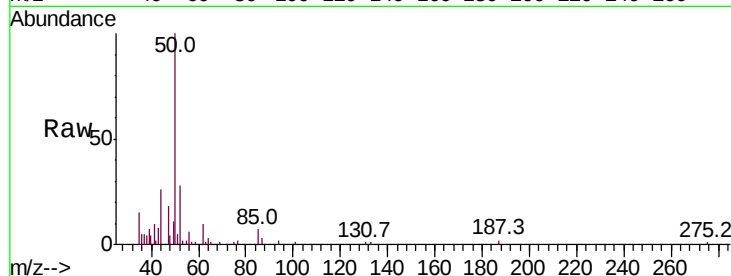
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 43322

Ion Ratio Lower Upper

50 100

52 27.9 27.0 40.4



#4

Vinyl Chloride

Concen: 22.906 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060953.D

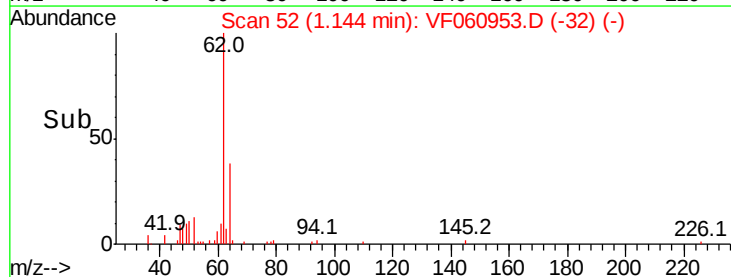
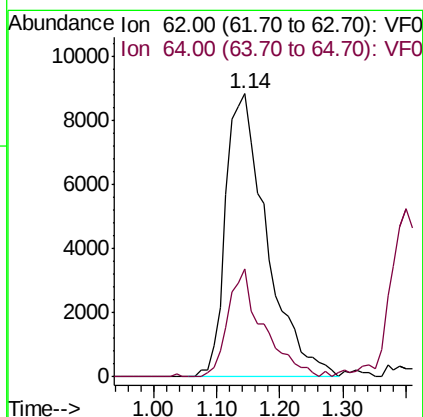
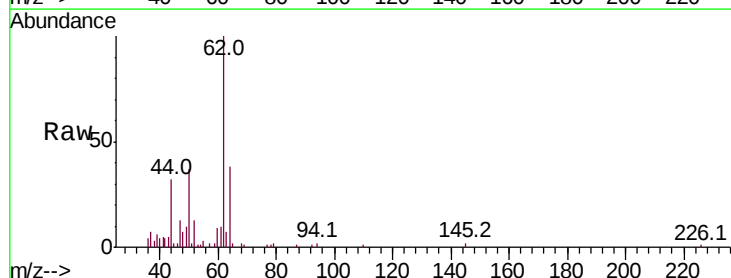
Acq: 10 Dec 2018 14:59

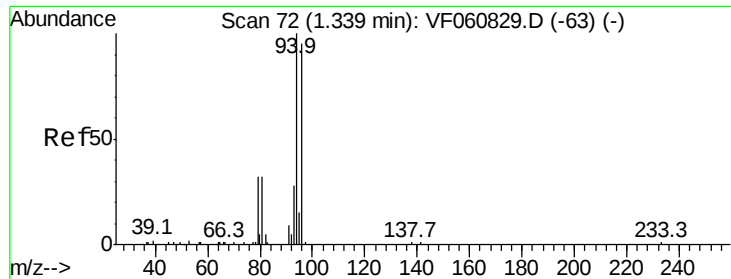
Tgt Ion: 62 Resp: 40137

Ion Ratio Lower Upper

62 100

64 38.0 26.4 39.6





#5

Bromomethane

Concen: 22.710 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

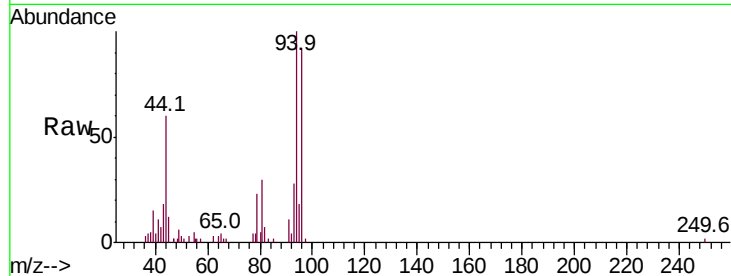
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 28060

Ion Ratio Lower Upper

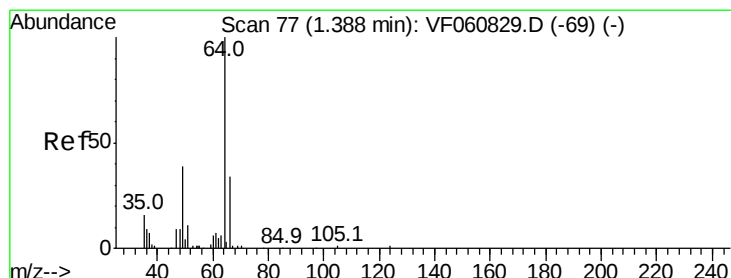
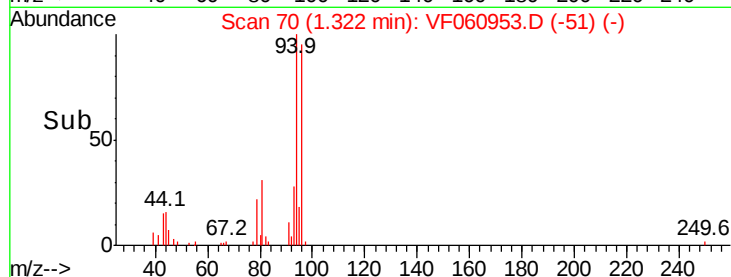
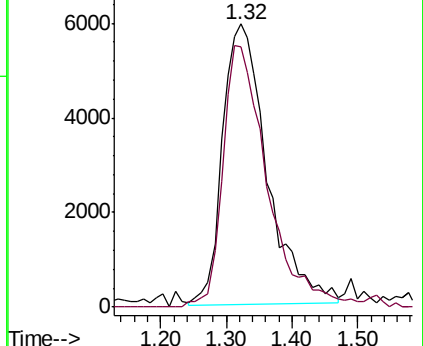
94 100

96 92.1 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 24.579 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060953.D

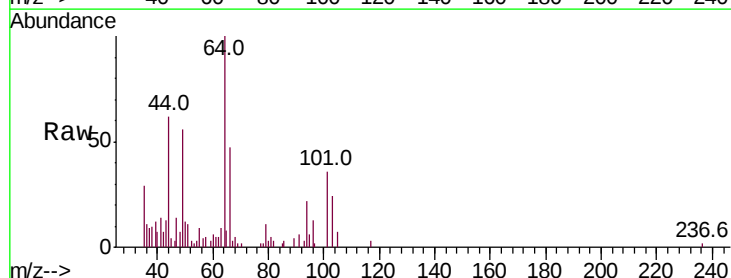
Acq: 10 Dec 2018 14:59

Tgt Ion: 64 Resp: 18617

Ion Ratio Lower Upper

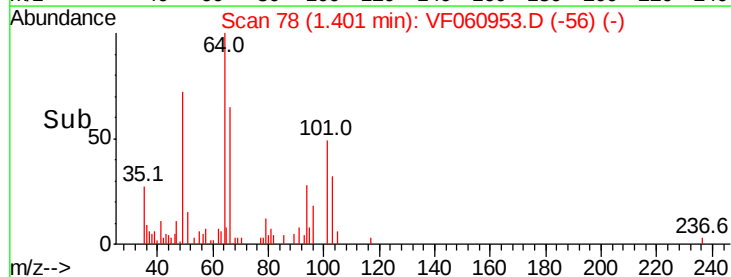
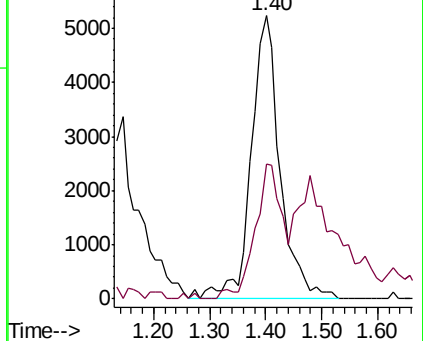
64 100

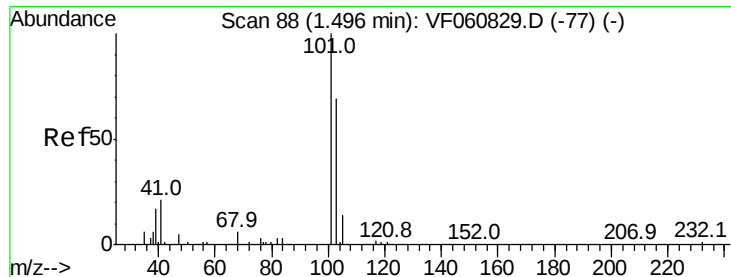
66 47.5 28.1 42.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 16.307 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

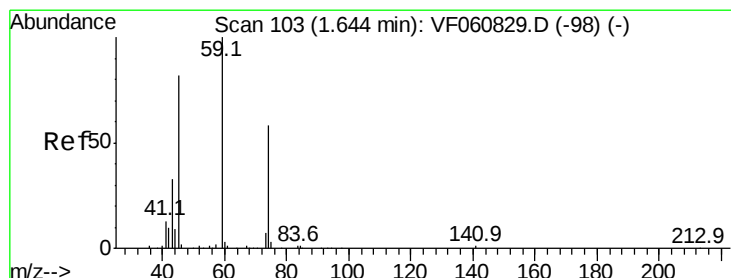
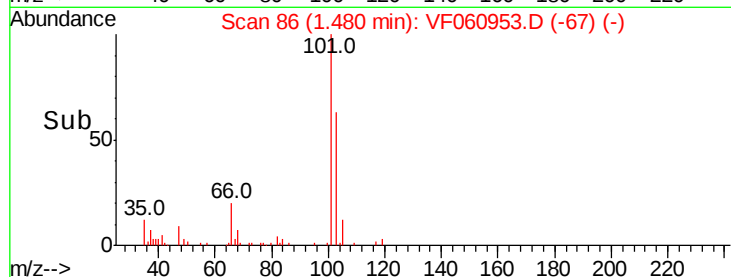
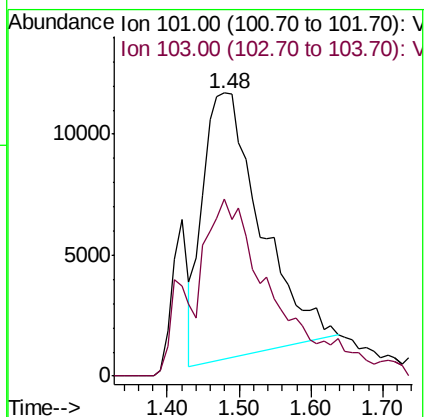
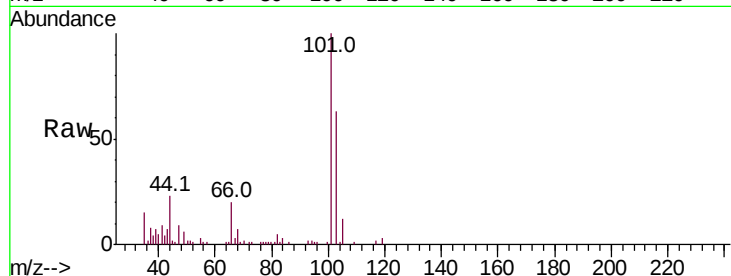
ClientSampleId :

Tot Ion:101 Resp: 61308

Ion Ratio Lower Upper

101 100

103 62.6 55.4 83.0



#8

Diethyl Ether

Concen: 21.893 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.03 min

Lab File: VF060953.D

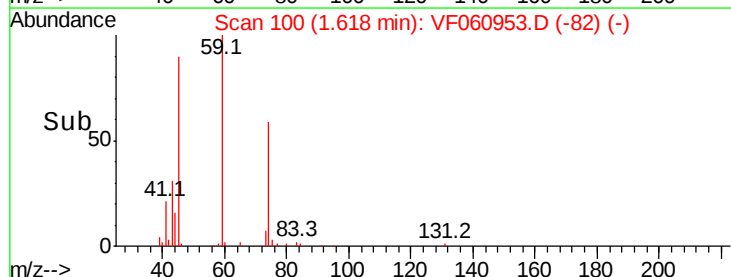
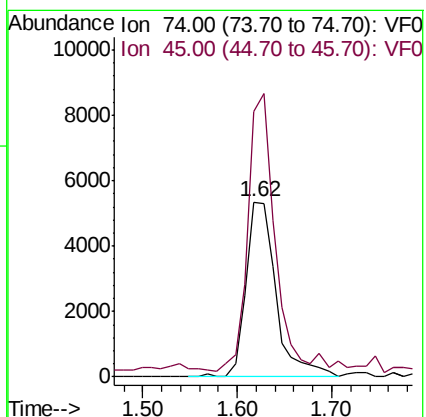
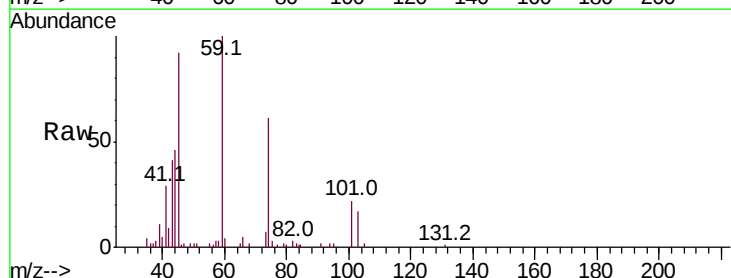
Acq: 10 Dec 2018 14:59

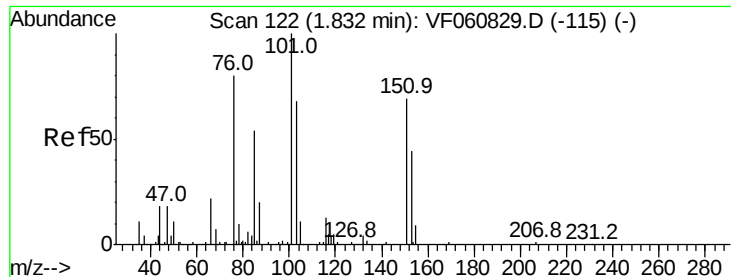
Tgt Ion: 74 Resp: 11836

Ion Ratio Lower Upper

74 100

45 151.9 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.990 ug/l

RT: 1.83 min Scan# 122

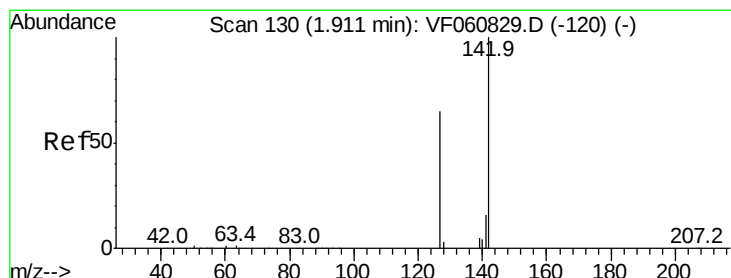
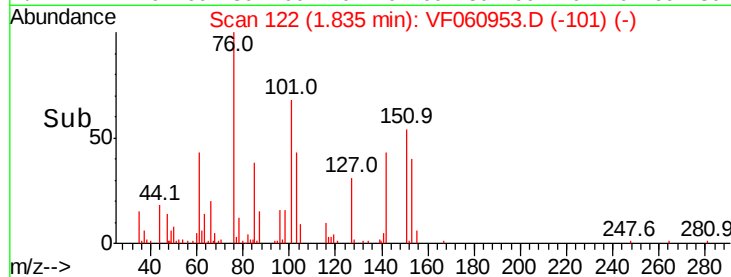
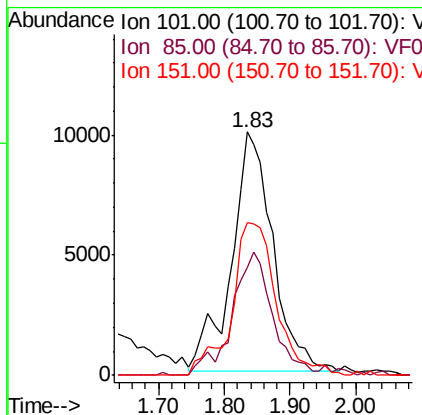
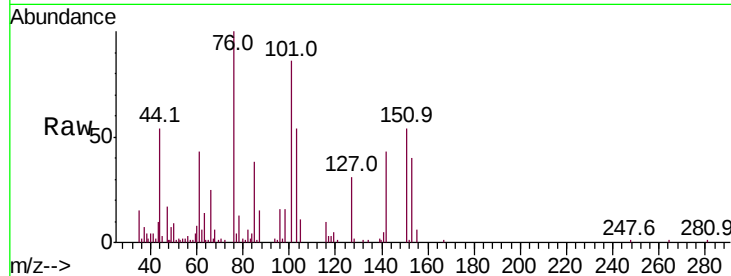
Delta R.T. 0.00 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	101	Resp:	43697
Ion	Ratio	Lower	Upper
101	100		
85	44.3	42.8	64.2
151	62.6	54.4	81.6



#10

Methyl Iodide

Concen: 19.239 ug/l

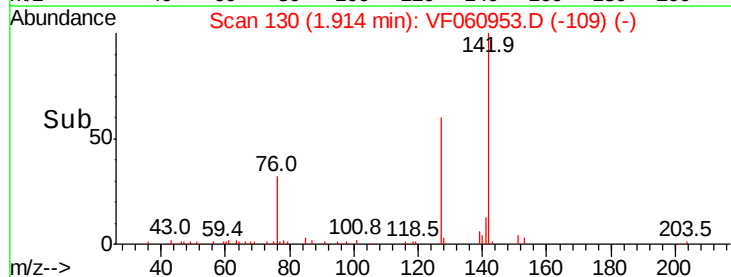
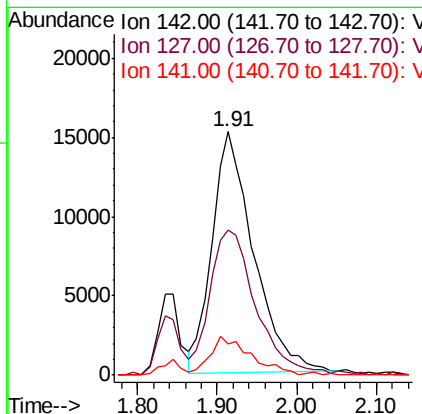
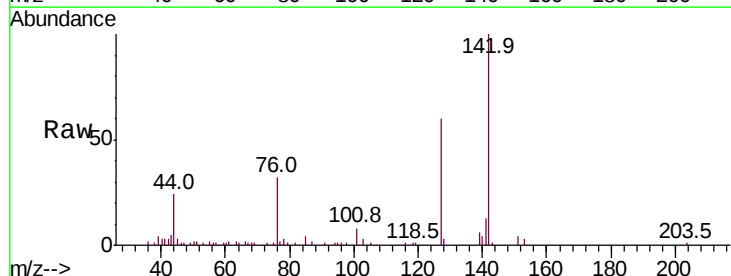
RT: 1.91 min Scan# 130

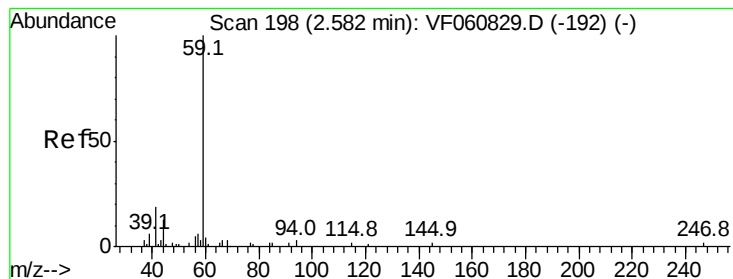
Delta R.T. 0.00 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion:	142	Resp:	55583
Ion	Ratio	Lower	Upper
142	100		
127	59.8	51.9	77.9
141	12.8	12.7	19.1



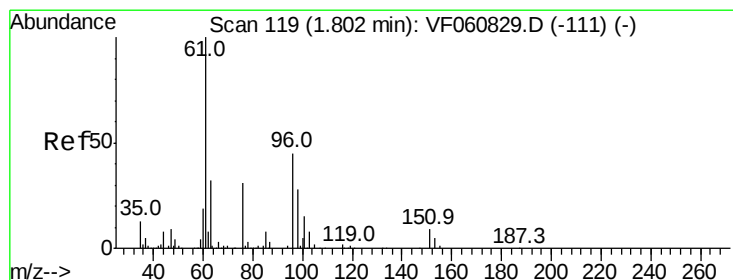
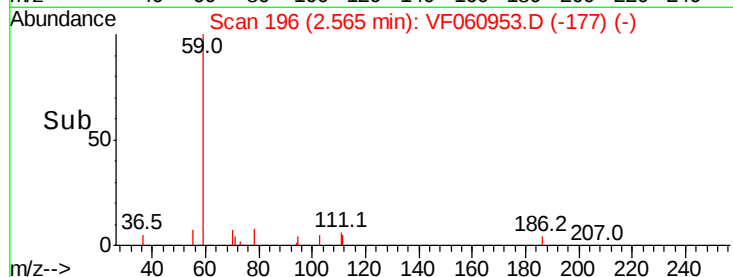
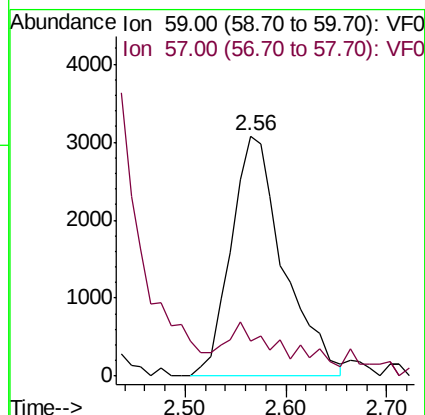
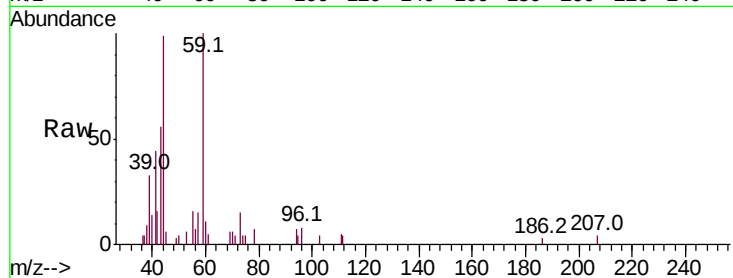


#11

Tert butyl alcohol
Concen: 119.759 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

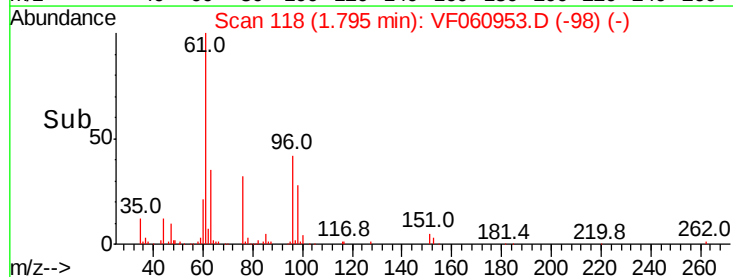
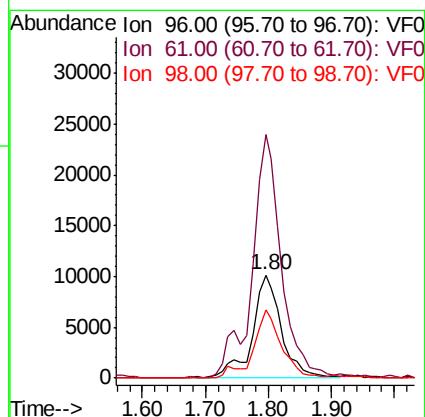
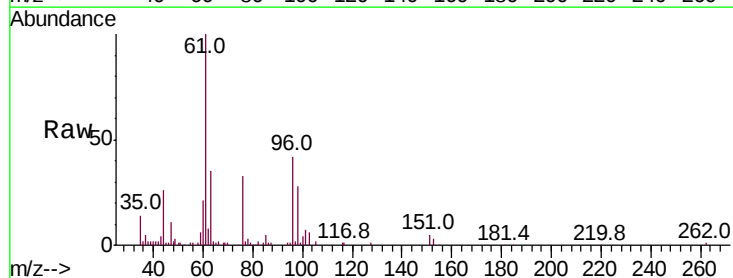
Tot Ion: 59 Resp: 11166
Ion Ratio Lower Upper
59 100
57 14.6 12.7 19.1

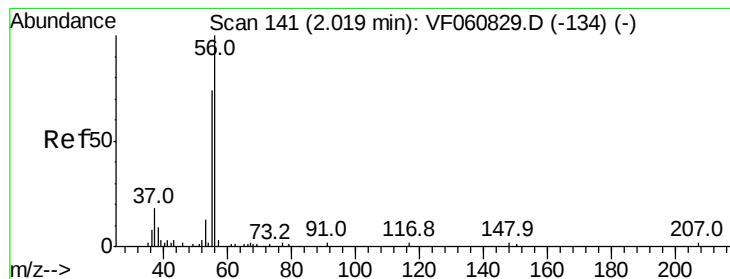


#12

1,1-Dichloroethene
Concen: 21.642 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion: 96 Resp: 33086
Ion Ratio Lower Upper
96 100
61 236.4 177.3 265.9
98 66.0 49.6 74.4





#13

Acrolein

Concen: 98.552 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

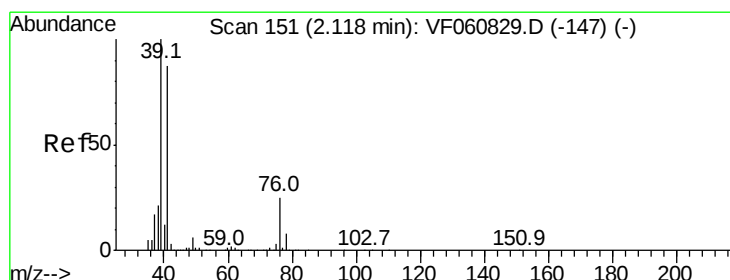
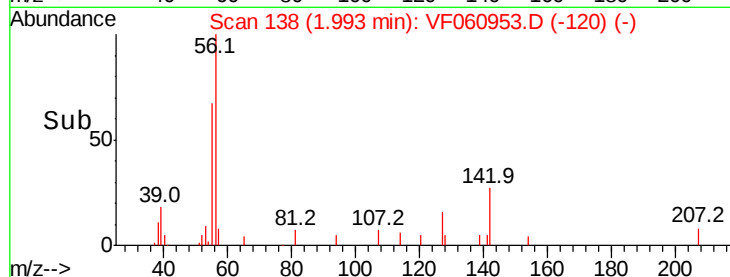
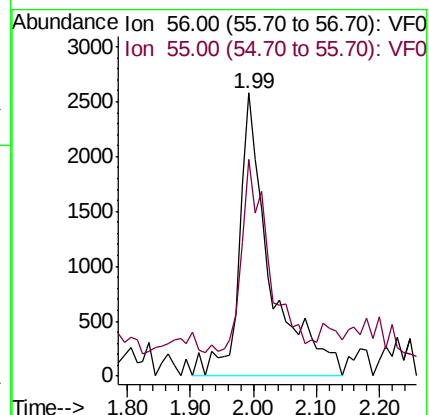
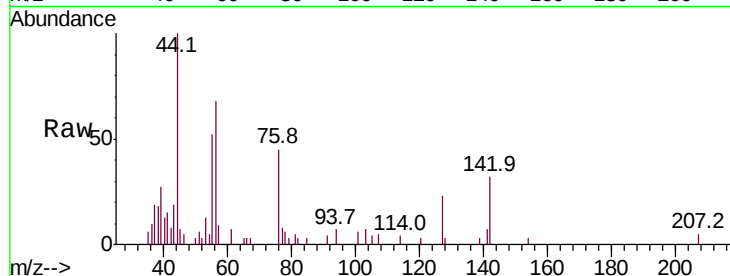
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 8706

Ion Ratio Lower Upper

56 100

55 76.8 61.2 91.8



#14

Allyl chloride

Concen: 21.184 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

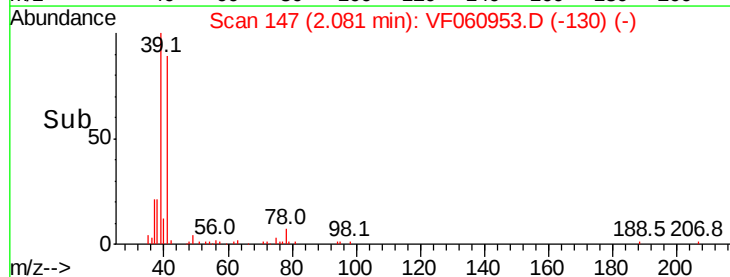
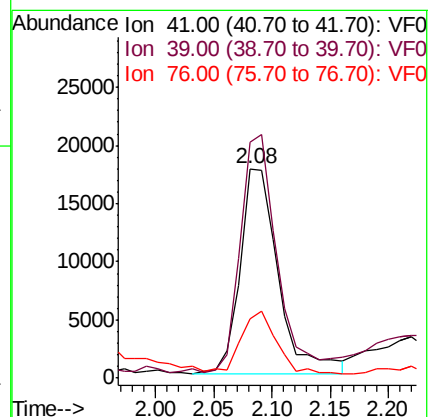
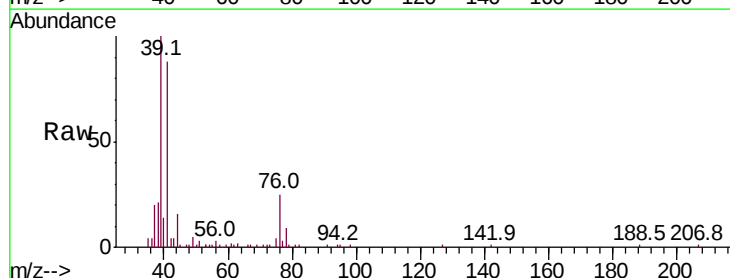
Tgt Ion: 41 Resp: 40365

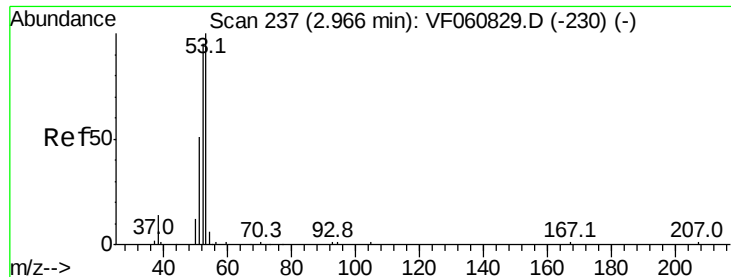
Ion Ratio Lower Upper

41 100

39 113.1 91.7 137.5

76 28.6 23.5 35.3





#15

Acrylonitrile

Concen: 130.703 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

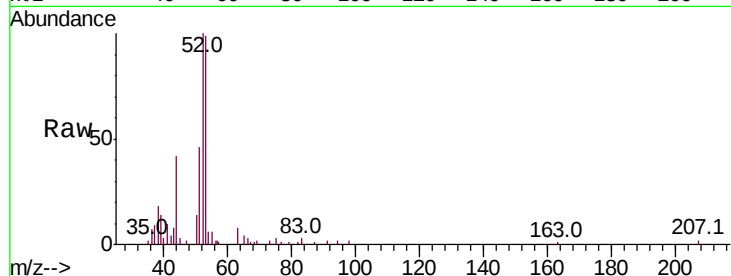
Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 27321

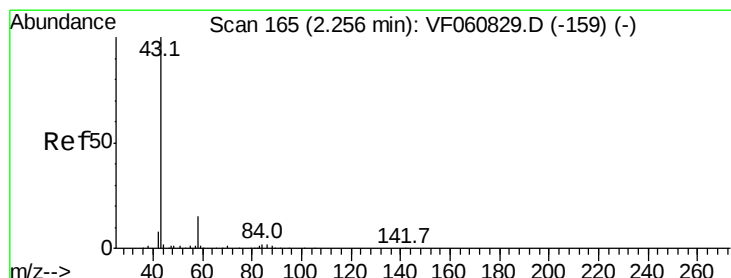
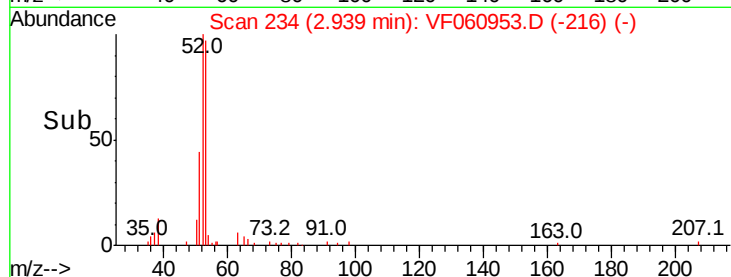
Ion	Ratio	Lower	Upper
53	100		
52	101.1	76.5	114.7
51	46.6	40.7	61.1



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: 125.830 ug/l

RT: 2.24 min Scan# 163

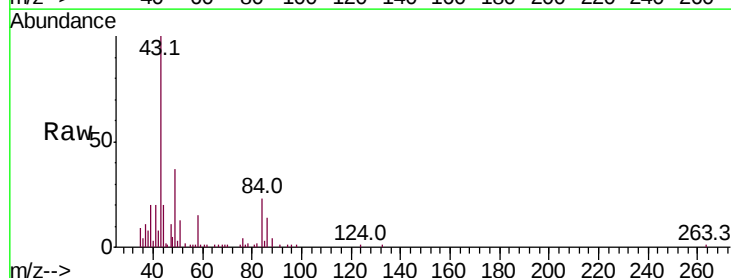
Delta R.T. -0.02 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

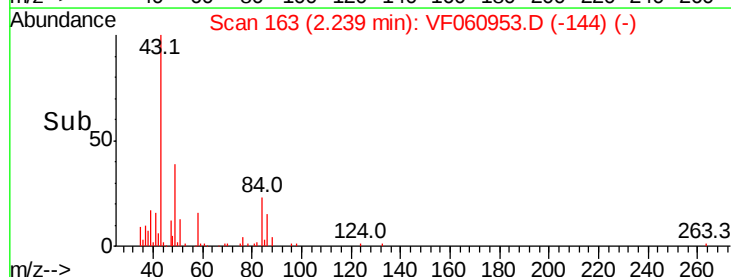
Tgt Ion: 43 Resp: 52777

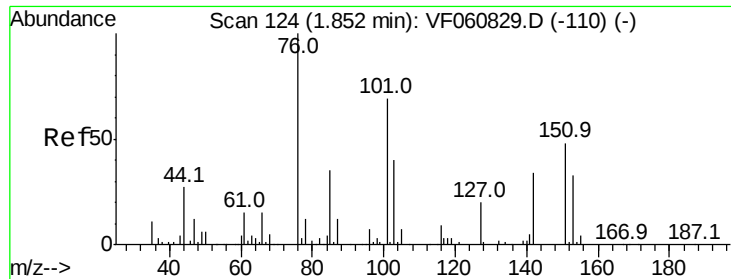
Ion	Ratio	Lower	Upper
43	100		
58	15.3	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

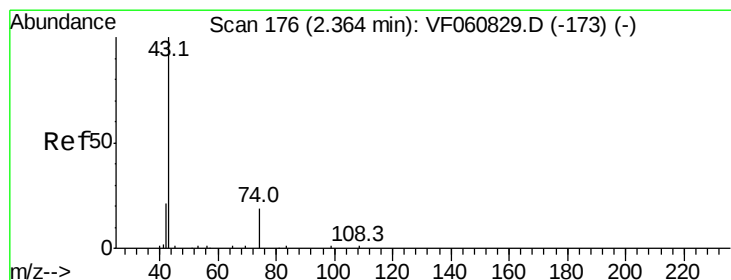
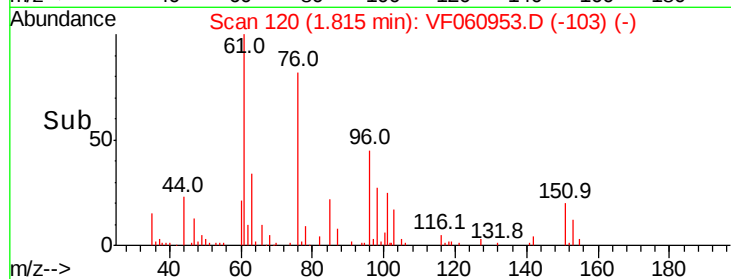
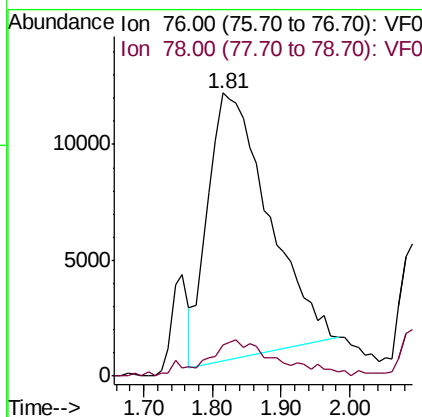
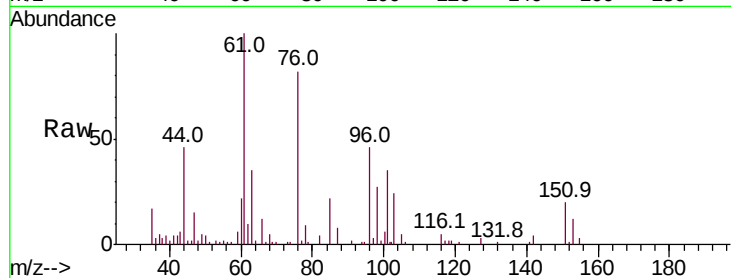




#17
Carbon Disulfide
Concen: 17.232 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

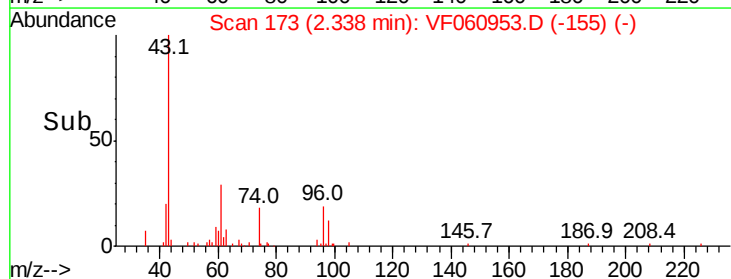
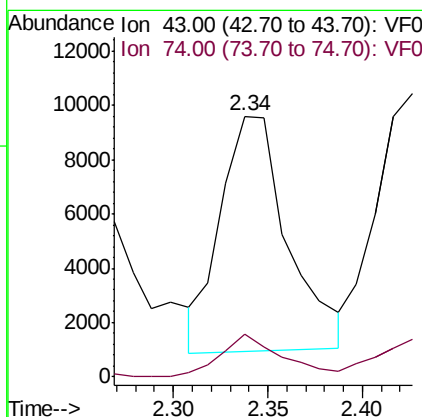
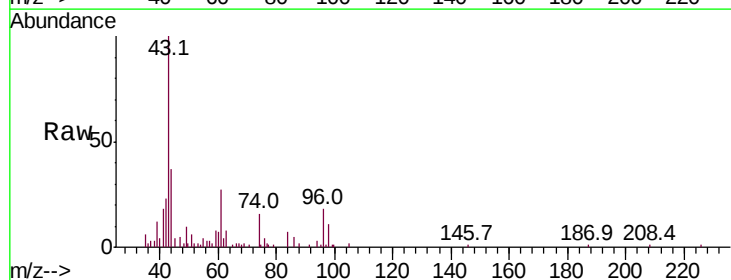
Instrument :
MSVOA_F
ClientSampled :

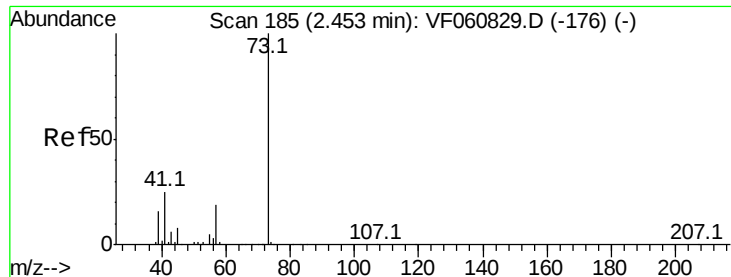
Tot Ion: 76 Resp: 70636
Ion Ratio Lower Upper
76 100
78 11.0 10.2 15.2



#18
Methyl Acetate
Concen: 29.645 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion: 43 Resp: 21333
Ion Ratio Lower Upper
43 100
74 16.5 13.3 19.9

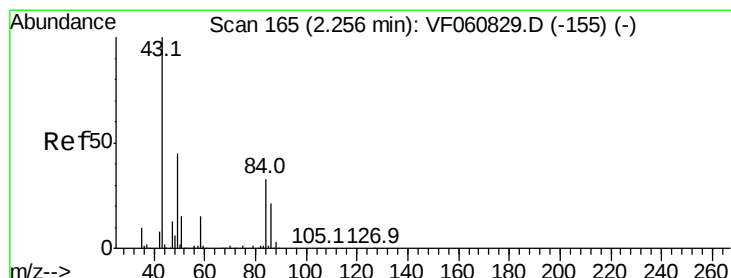
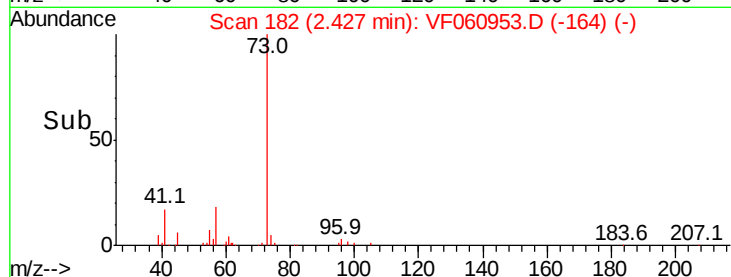
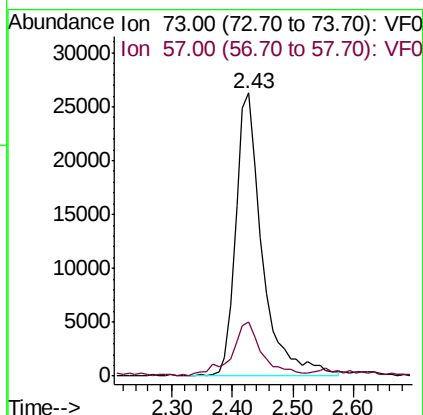
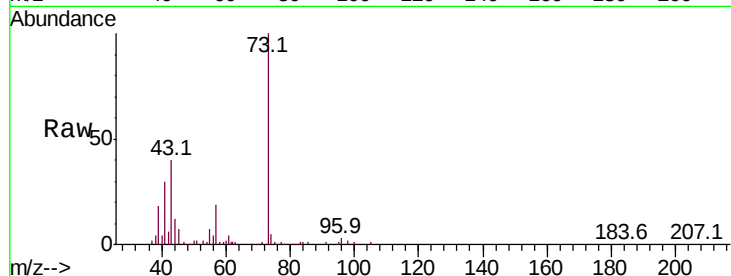




#19
Methvl tert-butvl Ether
Concen: 23.146 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

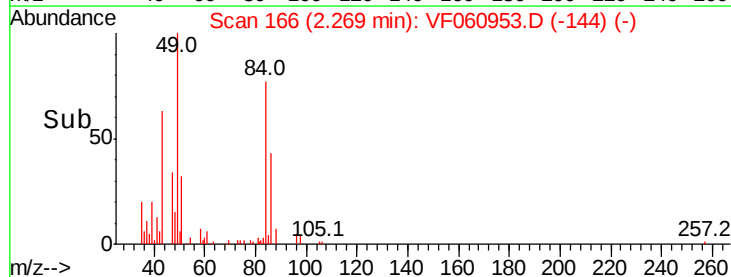
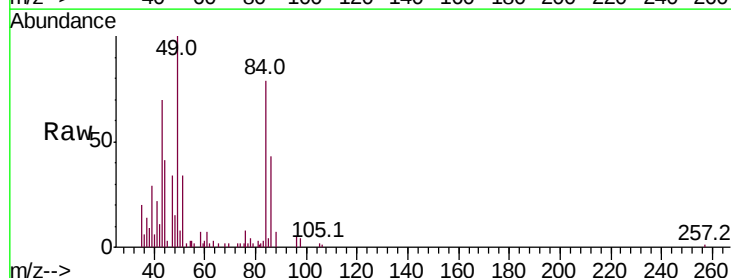
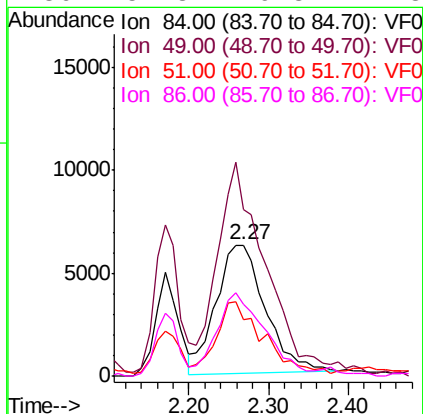
Instrument :
MSVOA_F
ClientSampleId :

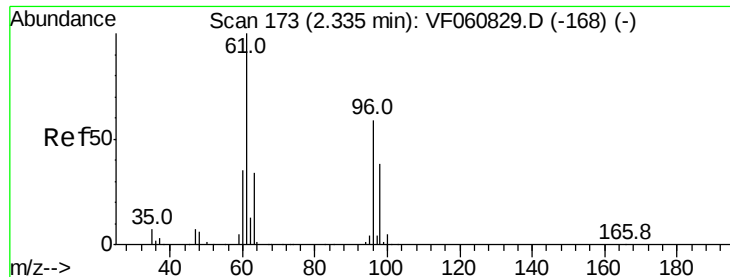
Tot Ion: 73 Resp: 79699
Ion Ratio Lower Upper
73 100
57 19.0 15.3 22.9



#20
Methylene Chloride
Concen: 17.435 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion: 84 Resp: 26828
Ion Ratio Lower Upper
84 100
49 127.2 111.3 166.9
51 42.7 38.0 57.0
86 54.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.115 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampled :

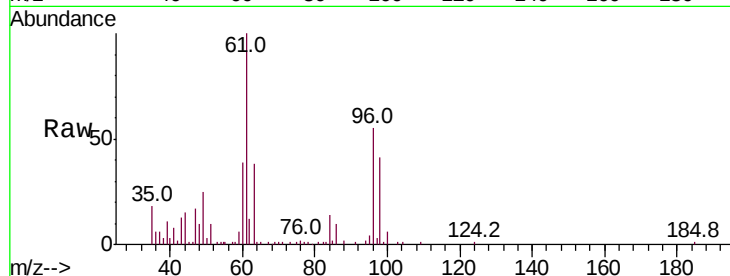
Tot Ion: 96 Resp: 25226

Ion Ratio Lower Upper

96 100

61 181.8 134.5 201.7

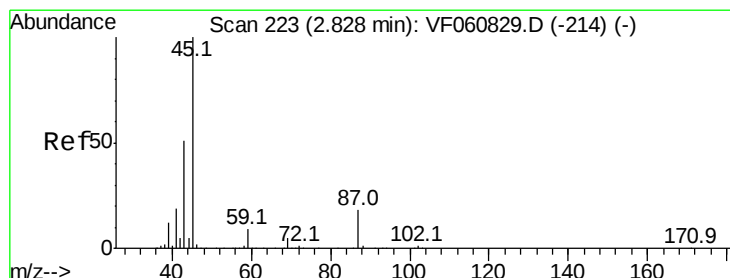
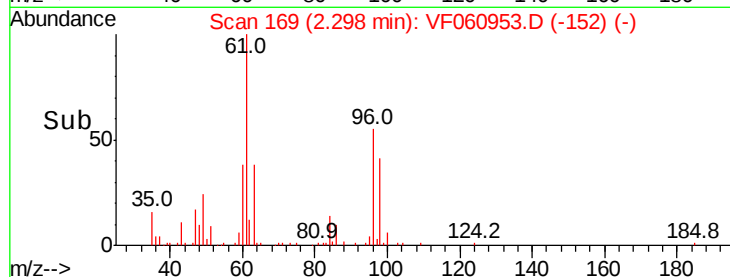
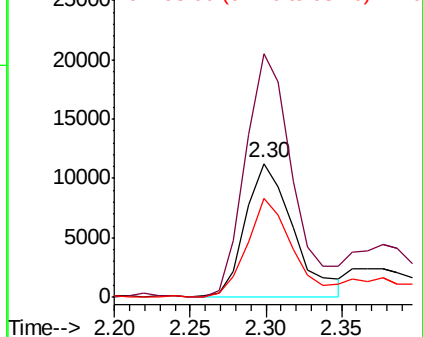
98 73.7 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.981 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion: 45 Resp: 119194

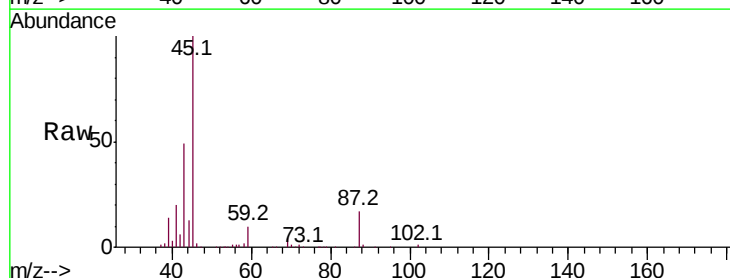
Ion Ratio Lower Upper

45 100

43 49.3 41.0 61.6

87 16.6 14.6 22.0

59 9.7 7.5 11.3

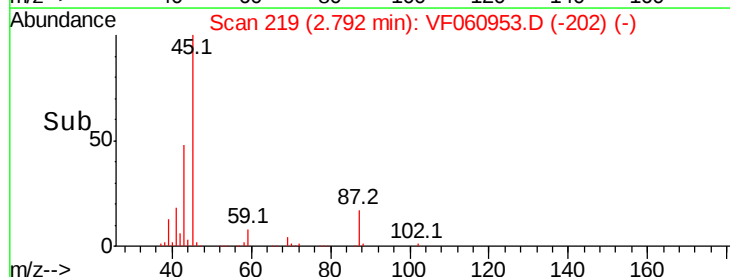
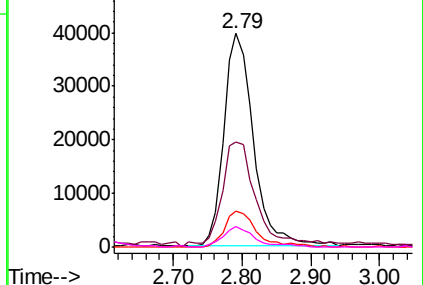


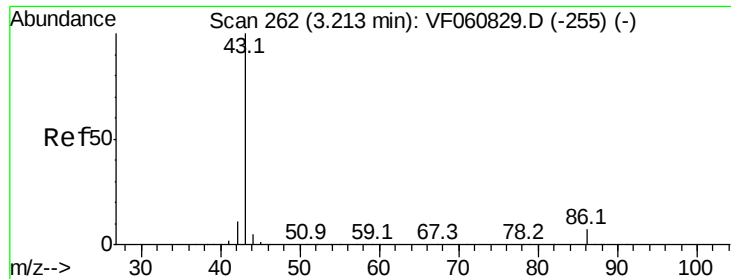
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 128.969 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.04 min

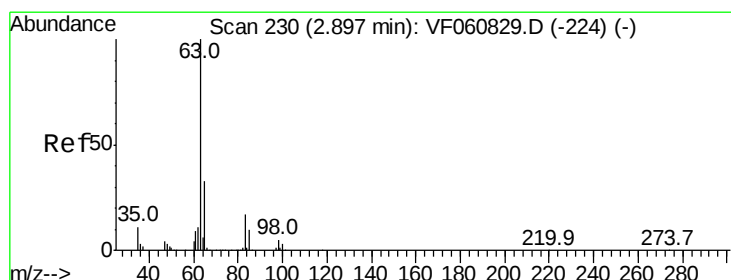
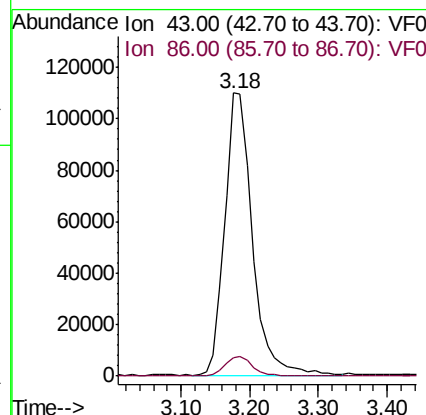
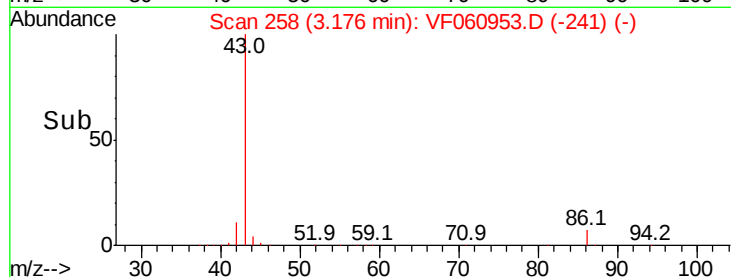
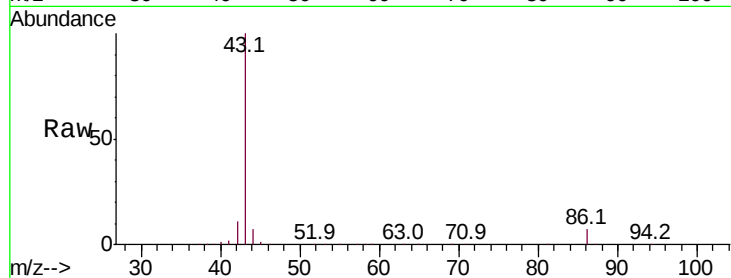
Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 305774

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.4	8.0



#24

1,1-Dichloroethane

Concen: 24.089 ug/l

RT: 2.86 min Scan# 226

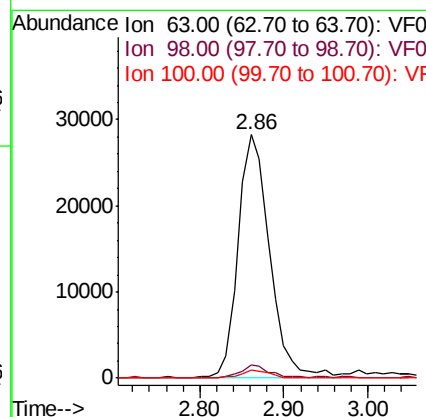
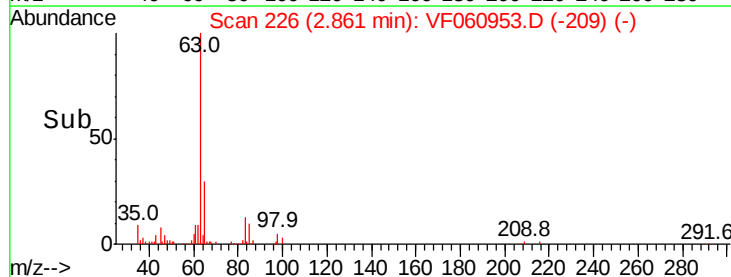
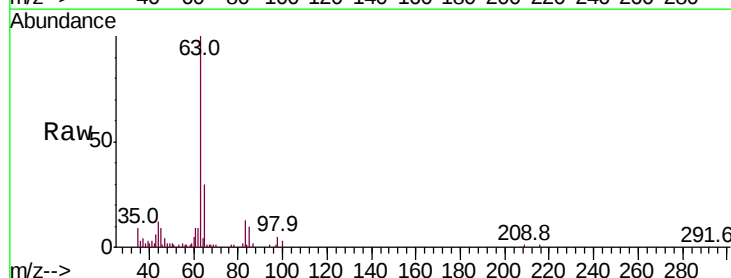
Delta R.T. -0.04 min

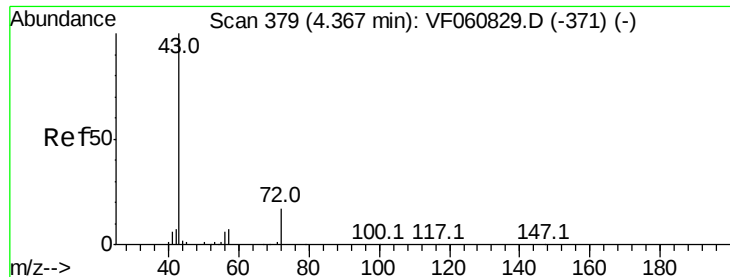
Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion: 63 Resp: 74337

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.7	8.1
100	3.3	1.5	4.5





#25

2-Butanone

Concen: 130.665 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

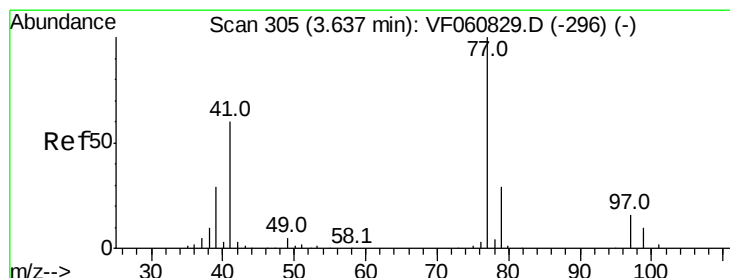
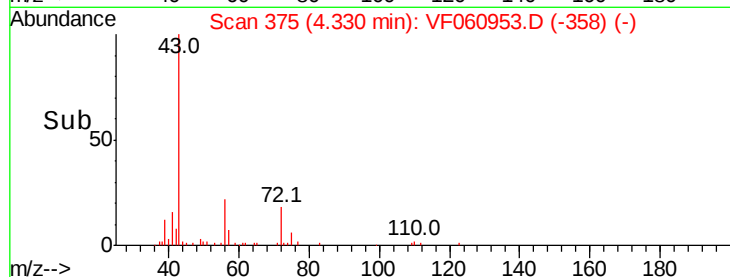
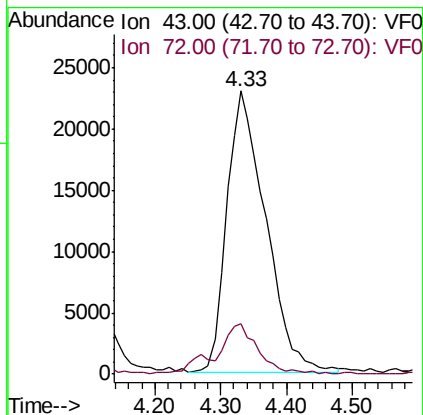
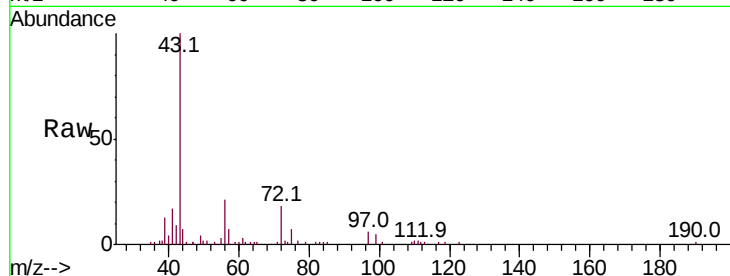
ClientSampled :

Tot Ion: 43 Resp: 94793

Ion Ratio Lower Upper

43 100

72 17.8 15.4 23.2



#26

2,2-Dichloropropane

Concen: 21.729 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF060953.D

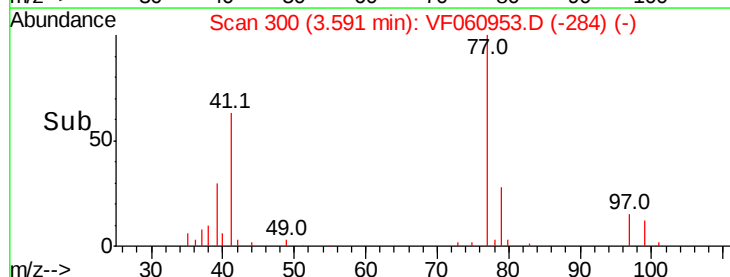
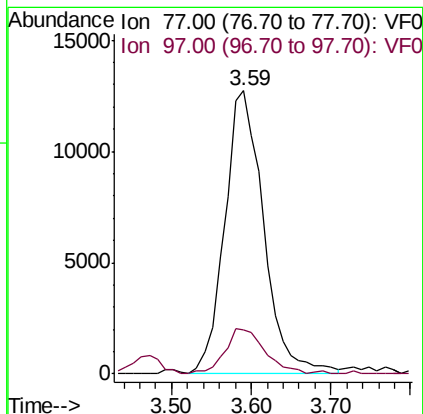
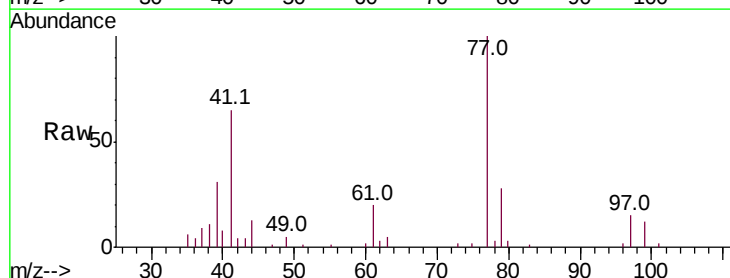
Acq: 10 Dec 2018 14:59

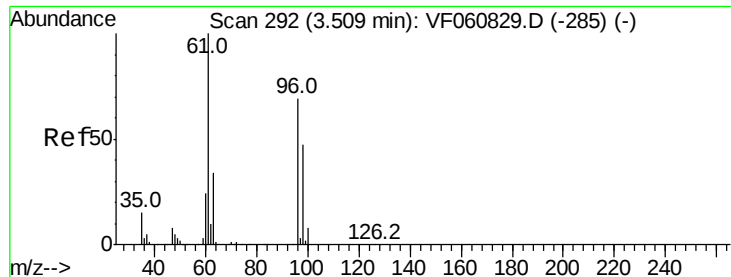
Tgt Ion: 77 Resp: 43471

Ion Ratio Lower Upper

77 100

97 15.4 8.6 25.8



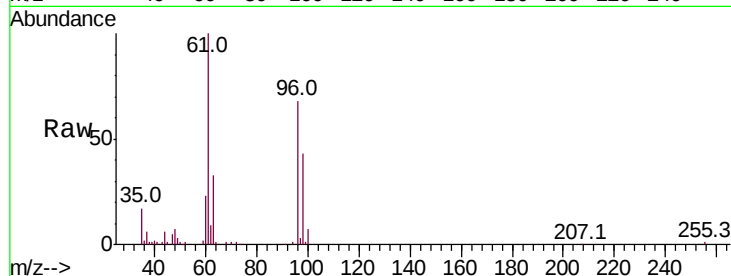


#27

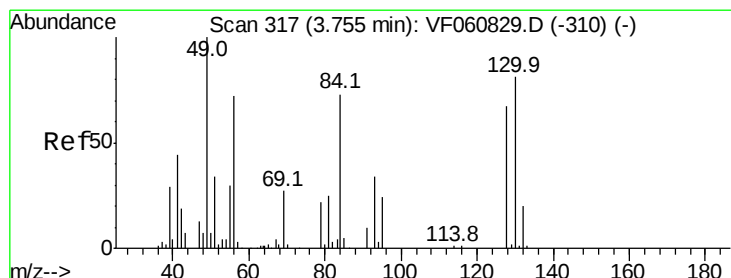
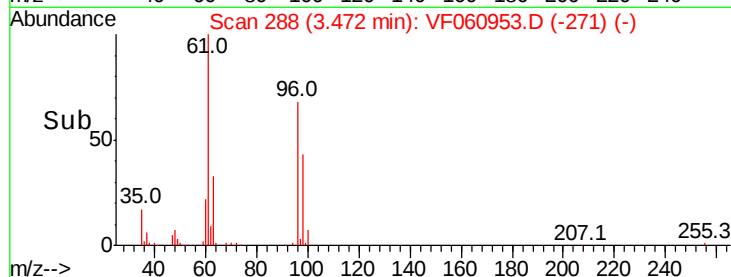
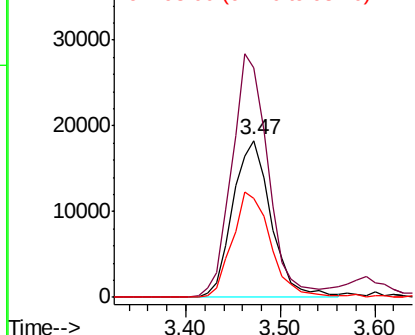
cis-1,2-Dichloroethene
Concen: 21.524 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.04 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 51646
Ion Ratio Lower Upper
96 100
61 146.9 0.0 290.6
98 62.9 0.0 137.8



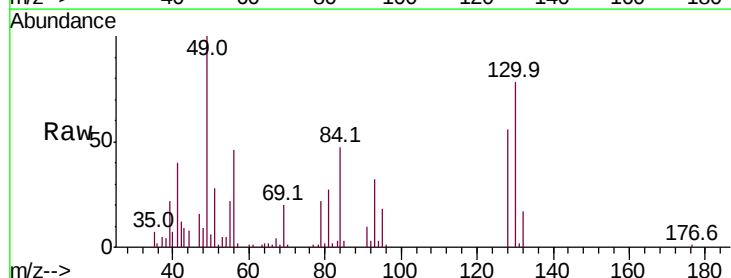
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



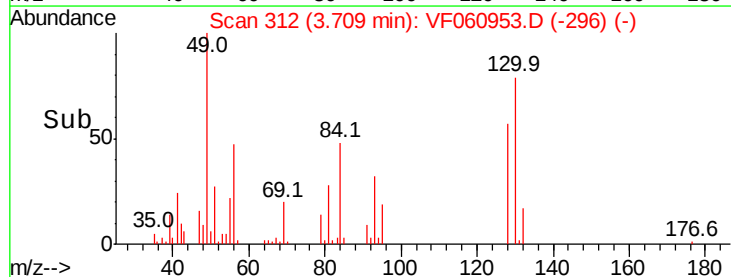
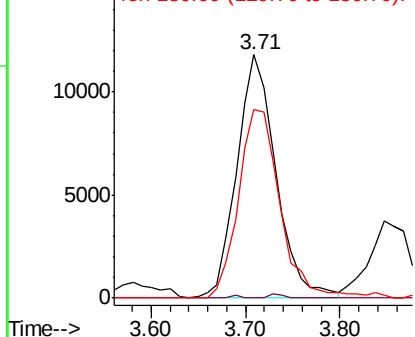
#28

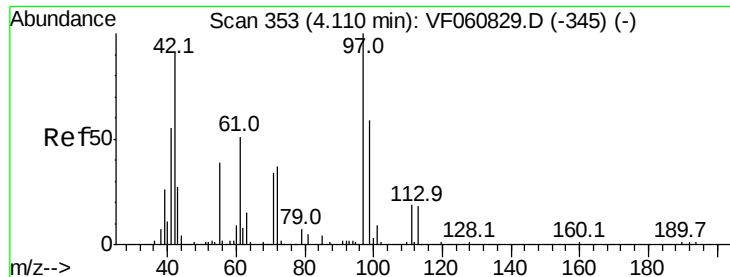
Bromochloromethane
Concen: 22.891 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.05 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion: 49 Resp: 33902
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 77.7 64.2 96.4



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





#29

Tetrahydrofuran

Concen: 118.121 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampleId :

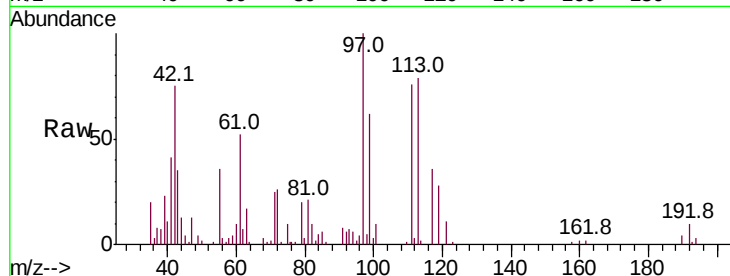
Tot Ion: 42 Resp: 36324

Ion Ratio Lower Upper

42 100

72 37.1 31.9 47.9

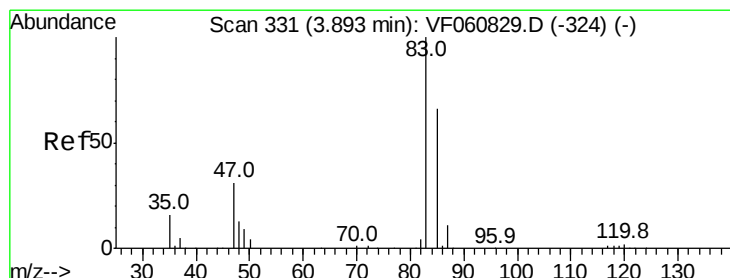
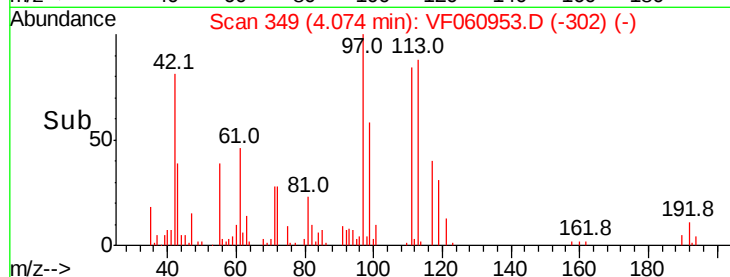
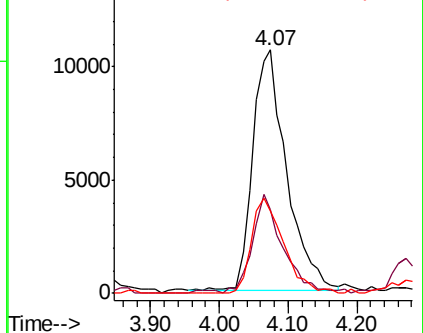
71 37.5 28.7 43.1



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: 22.605 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.05 min

Lab File: VF060953.D

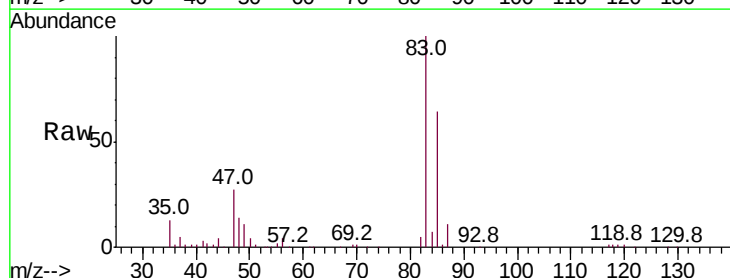
Acq: 10 Dec 2018 14:59

Tgt Ion: 83 Resp: 107359

Ion Ratio Lower Upper

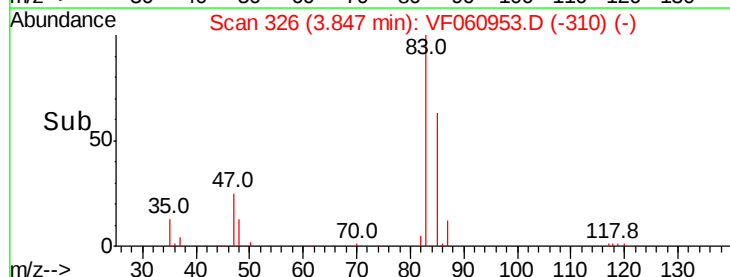
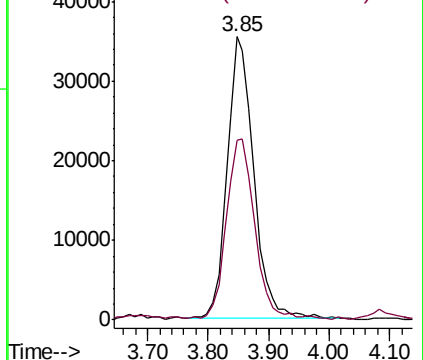
83 100

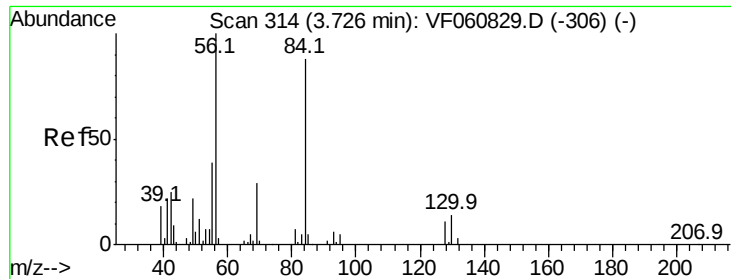
85 63.6 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

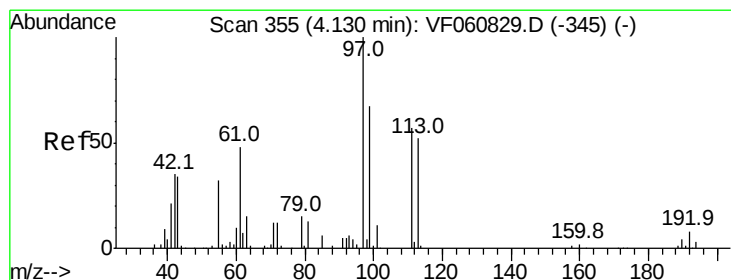
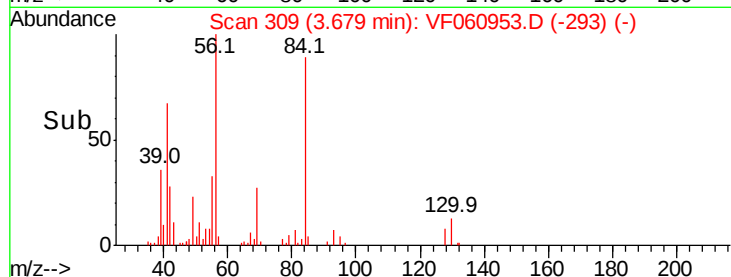
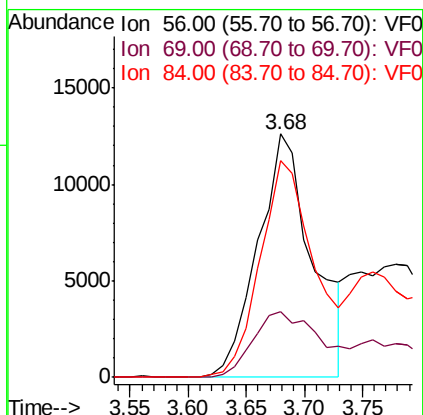
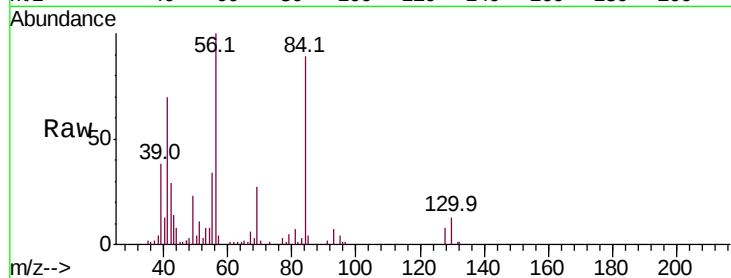




#31
Cyclohexane
Concen: 12.852 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.05 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

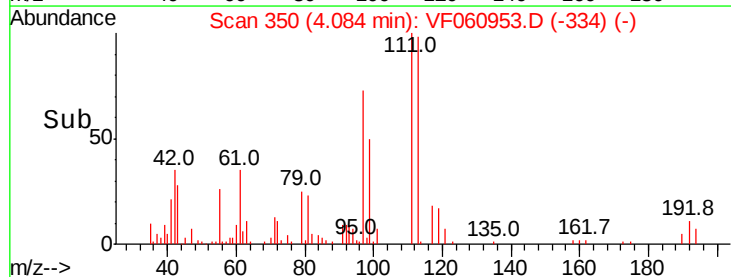
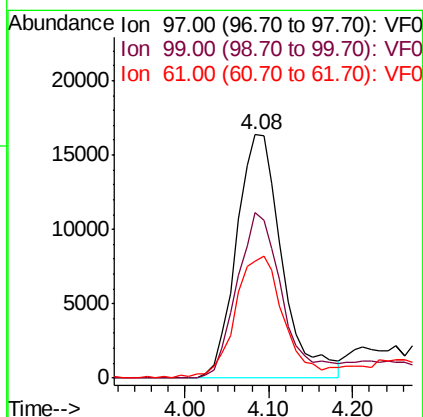
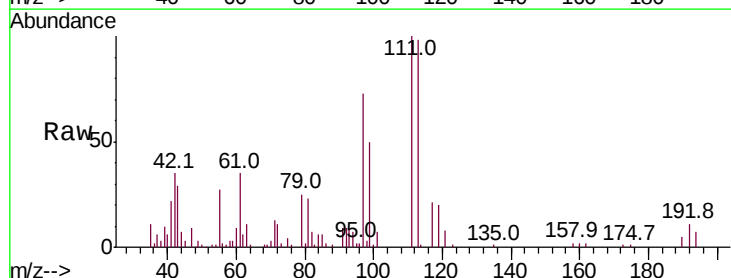
Instrument :
MSVOA_F
ClientSampleId :

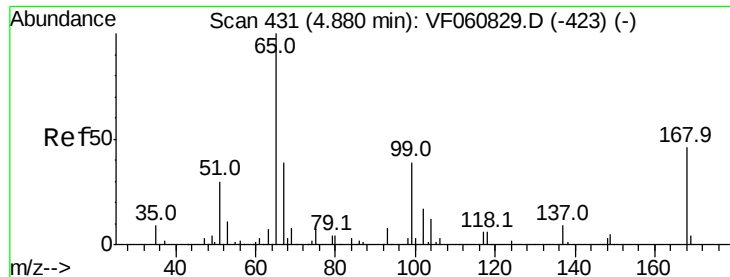
Tot Ion: 56 Resp: 41159
Ion Ratio Lower Upper
56 100
69 26.9 23.0 34.4
84 88.9 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 18.867 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.05 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion: 97 Resp: 62145
Ion Ratio Lower Upper
97 100
99 67.9 53.5 80.3
61 48.2 38.6 58.0

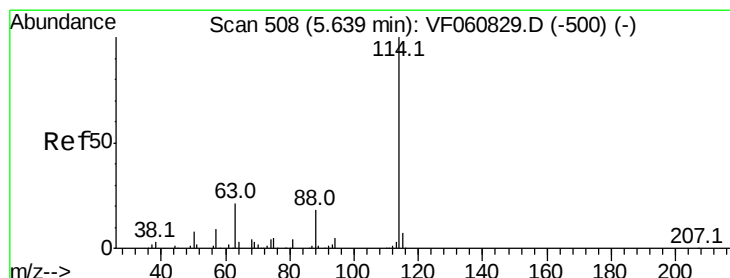
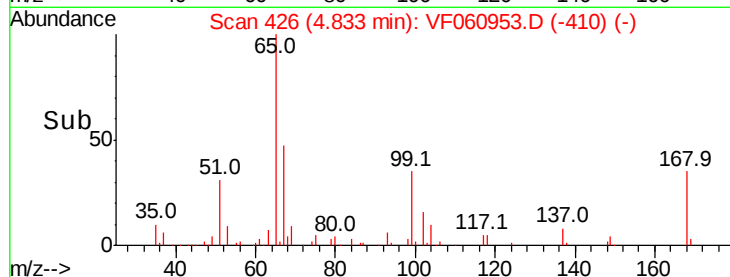
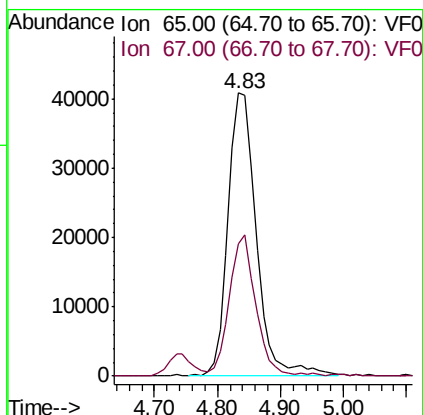
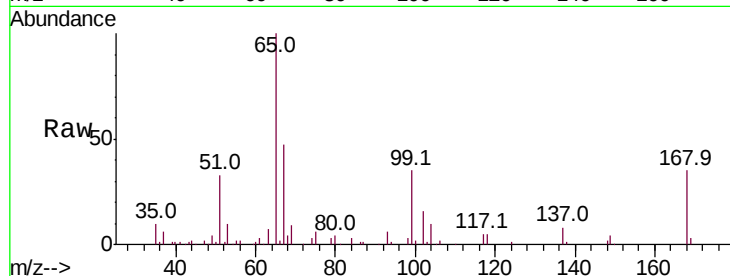




#33
 1,2-Dichloroethane-d4
 Concen: 55.186 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

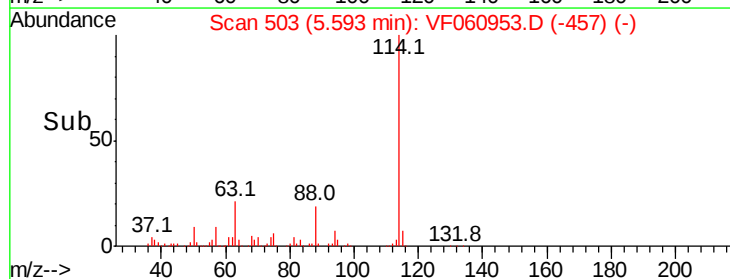
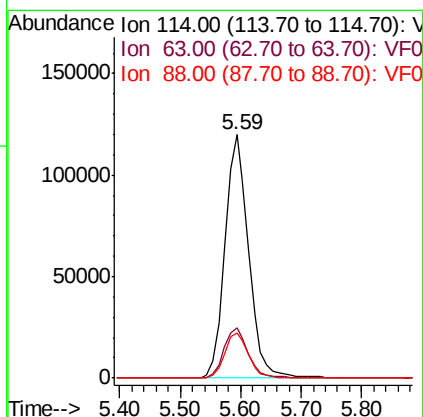
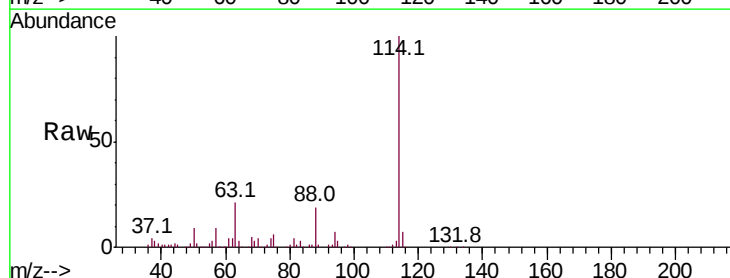
Instrument :
 MSVOA_F
 ClientSampled :

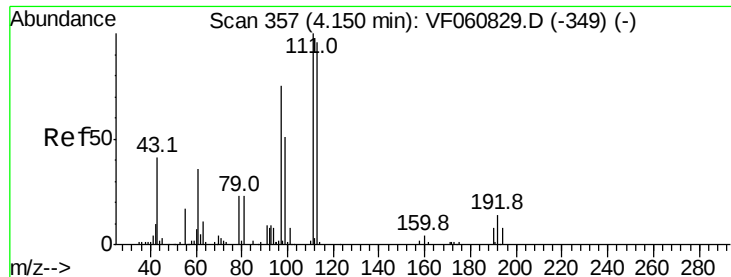
Tot Ion: 65 Resp: 125520
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

Tgt Ion: 114 Resp: 323773
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.6
 88 18.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.398 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampled :

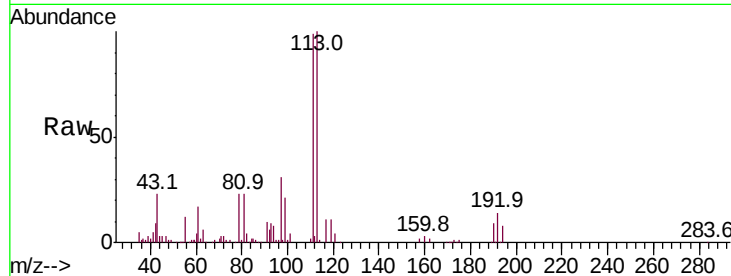
Tot Ion:113 Resp: 129451

Ion Ratio Lower Upper

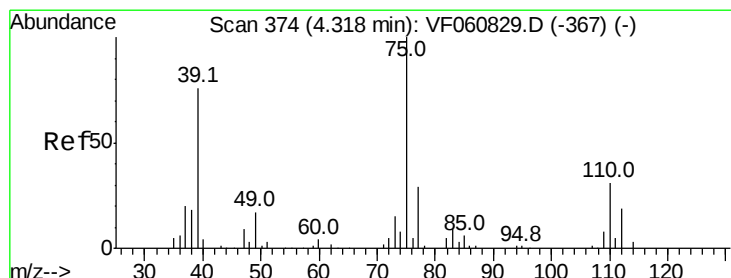
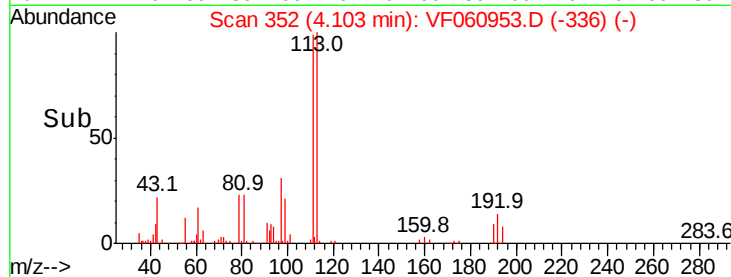
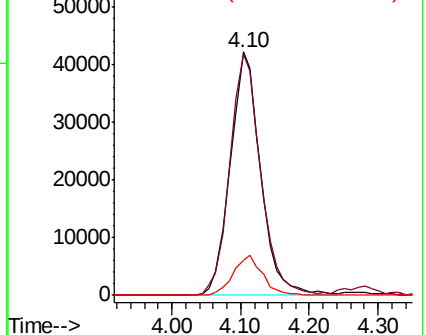
113 100

111 99.3 83.0 124.6

192 14.3 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.869 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

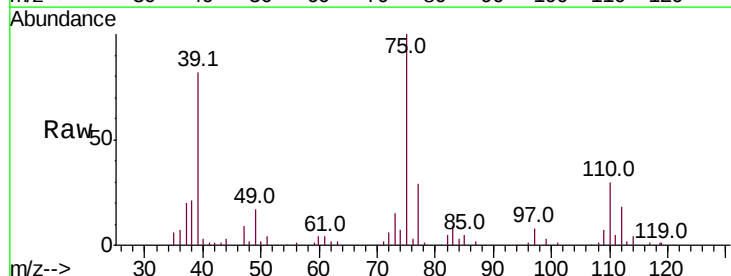
Tgt Ion: 75 Resp: 82127

Ion Ratio Lower Upper

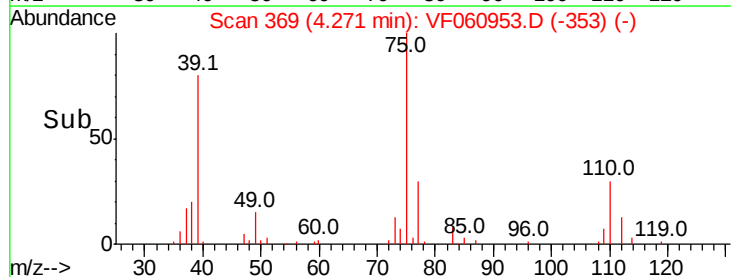
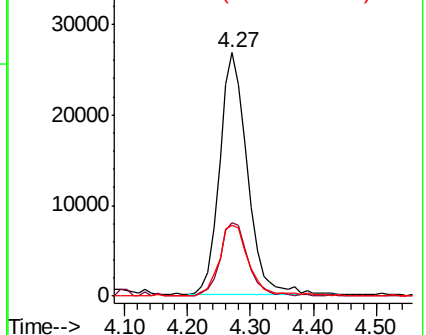
75 100

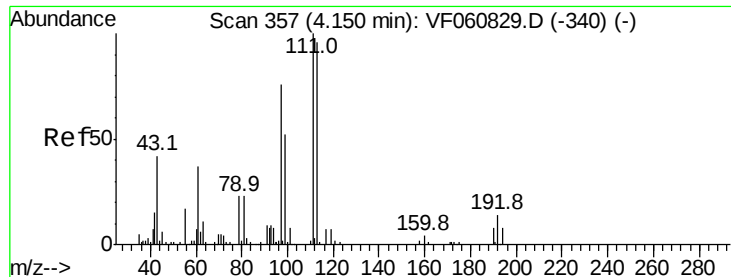
110 29.9 15.6 46.8

77 29.0 23.4 35.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 24.827 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampled :

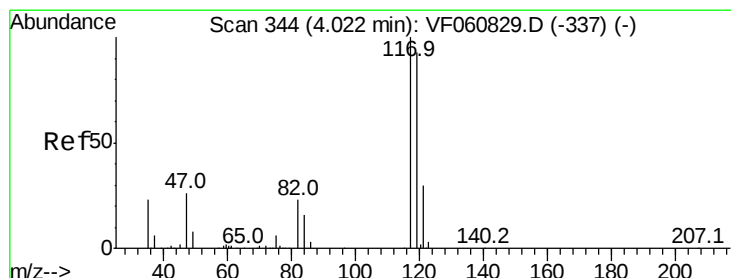
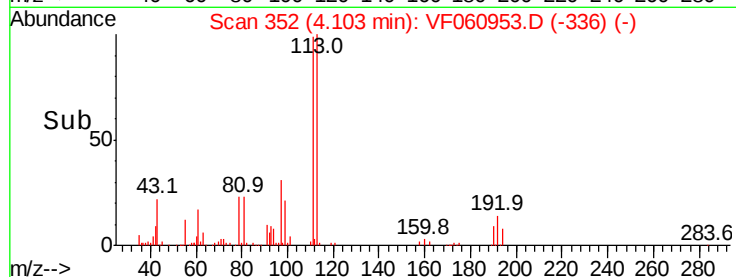
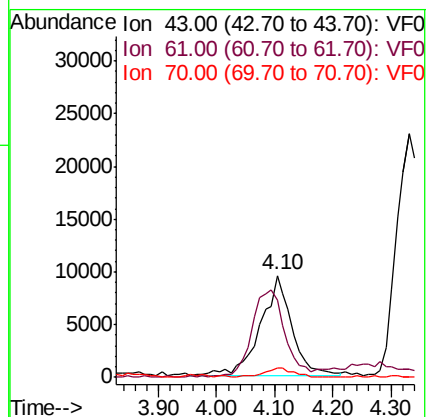
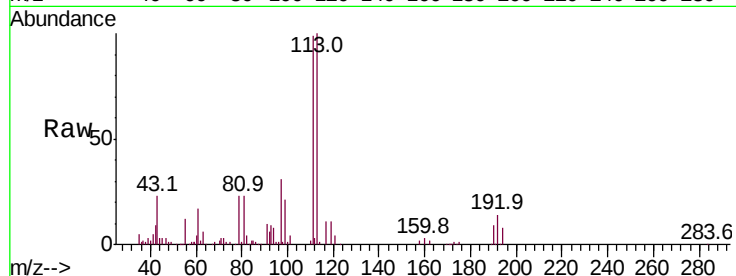
Tot Ion: 43 Resp: 36232

Ion Ratio Lower Upper

43 100

61 75.6 68.6 103.0

70 9.6 9.0 13.4



#38

Carbon Tetrachloride

Concen: 20.644 ug/l

RT: 3.99 min Scan# 340

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

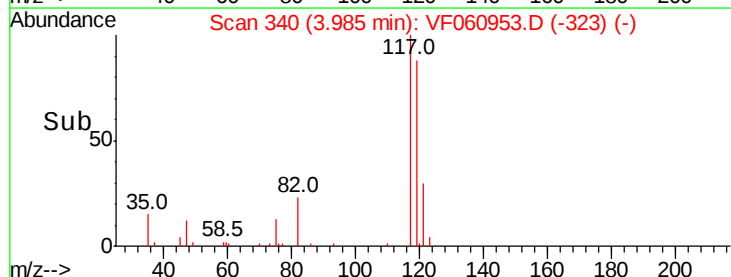
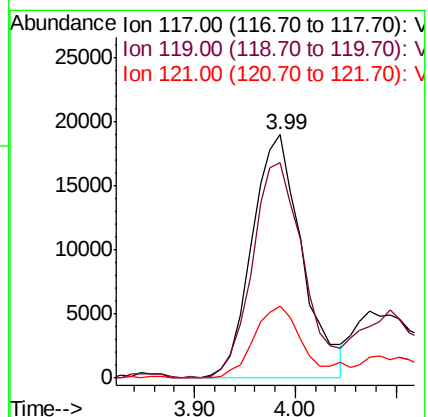
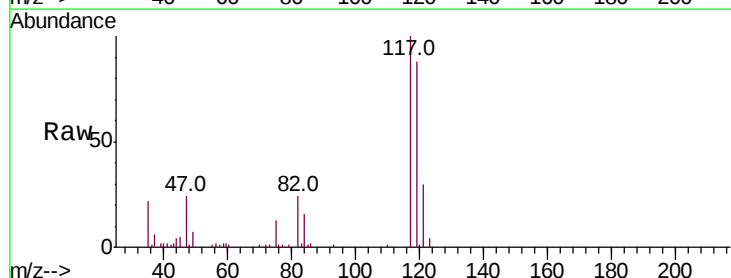
Tgt Ion:117 Resp: 65481

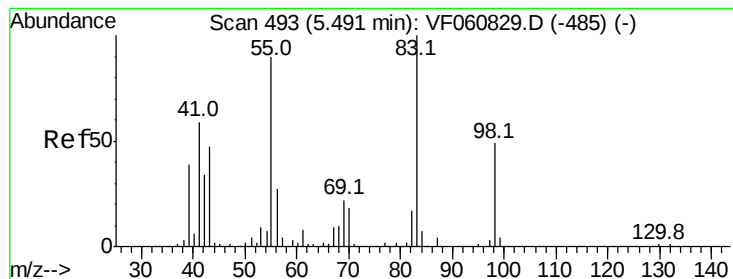
Ion Ratio Lower Upper

117 100

119 88.4 74.4 111.6

121 29.7 23.5 35.3





#39

Methvlcvclohexane

Concen: 20.127 ug/l

RT: 5.45 min Scan# 488

Delta R.T. -0.05 min

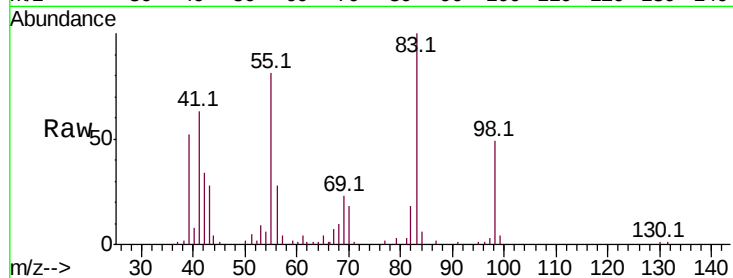
Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 75747

Ion	Ratio	Lower	Upper
83	100		
55	80.9	72.1	108.1
98	48.8	39.1	58.7

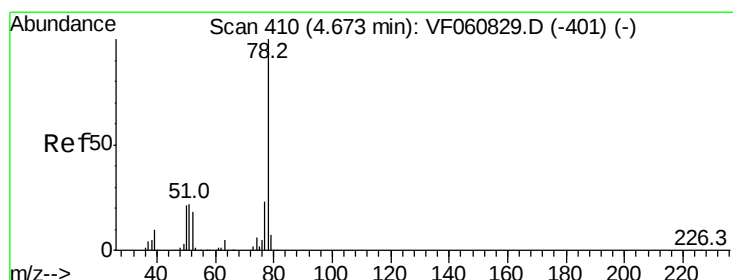
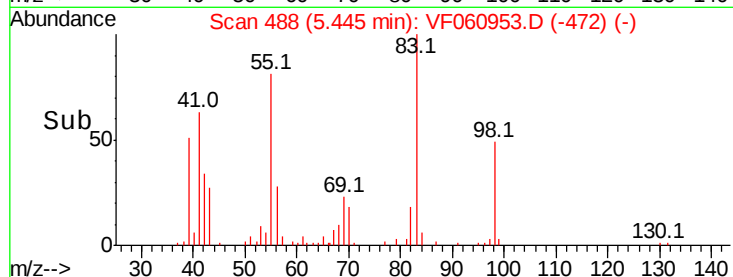
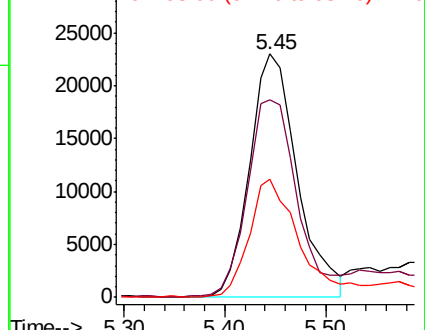


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 21.564 ug/l

RT: 4.63 min Scan# 405

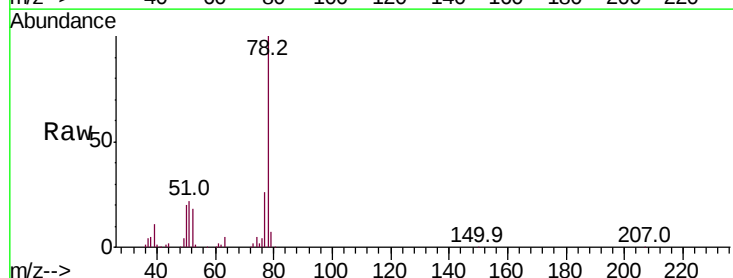
Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion: 78 Resp: 171082

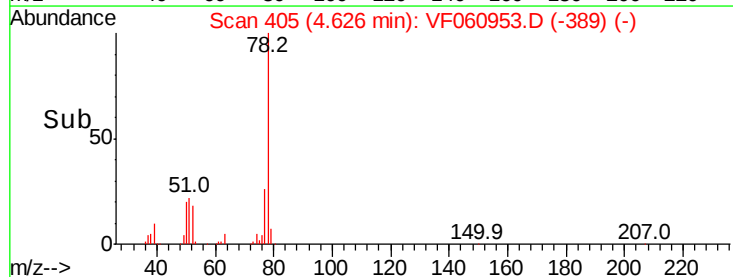
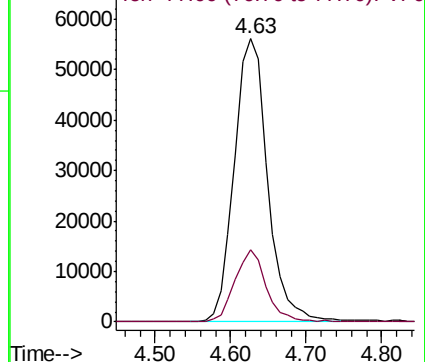
Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.7	28.1

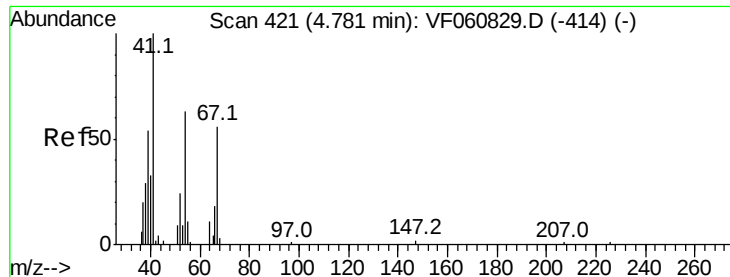


Abundance

Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 26.288 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.05 min

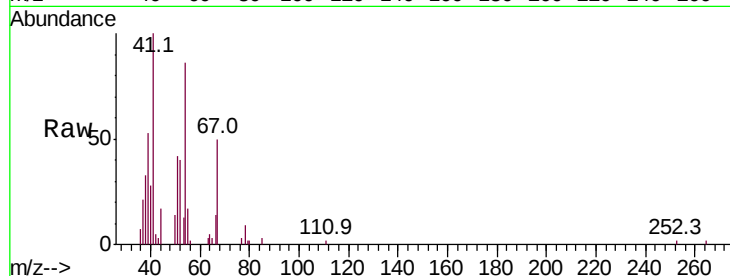
Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 21253

Ion	Ratio	Lower	Upper
41	100		
39	52.7	53.0	79.6#
67	49.6	43.8	65.6
52	39.8	37.8	56.8



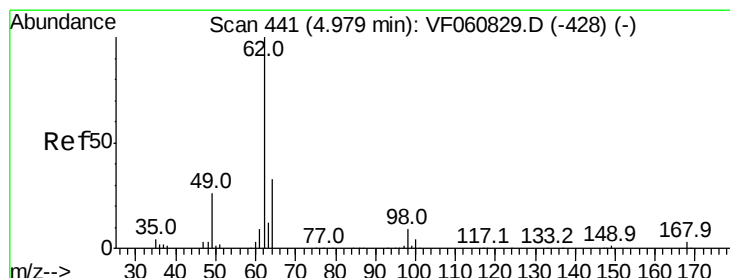
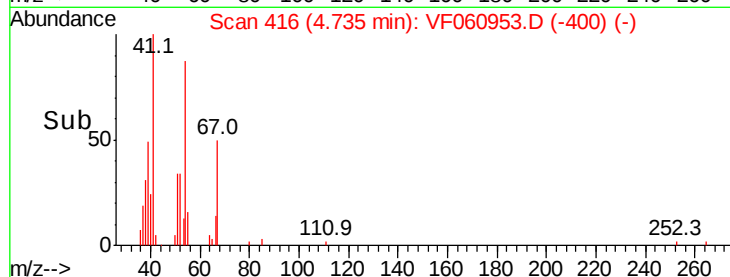
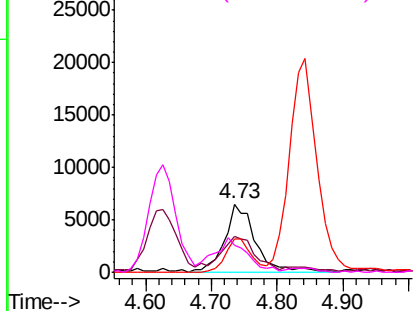
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 22.462 ug/l

RT: 4.93 min Scan# 436

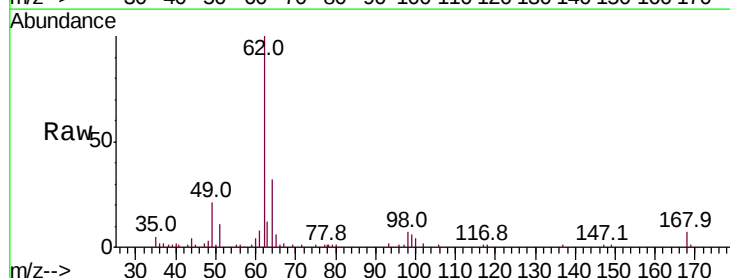
Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion: 62 Resp: 65059

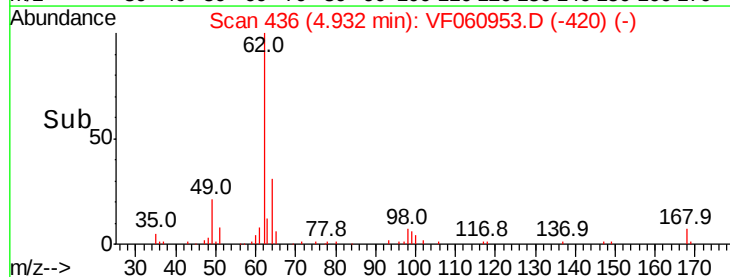
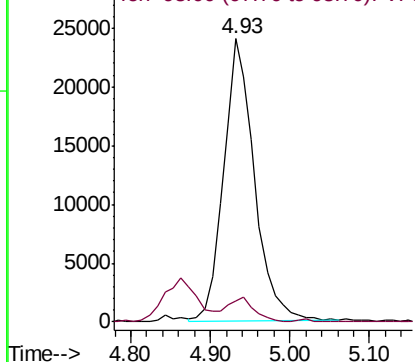
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.2

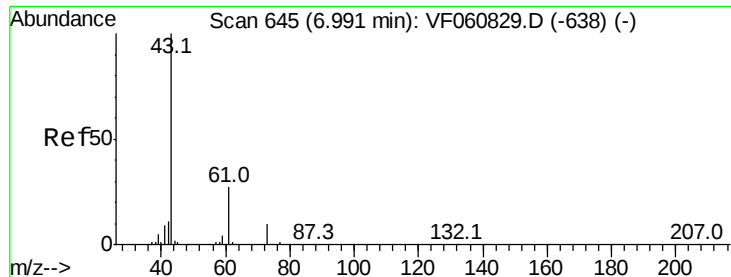


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



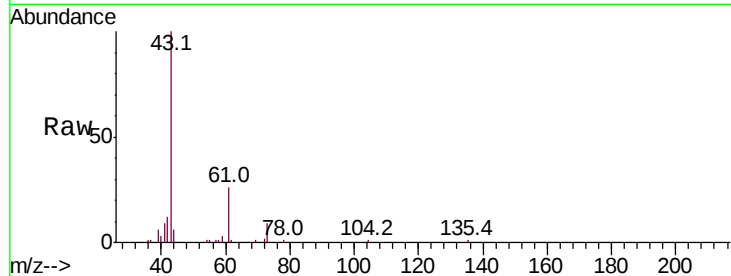


#43

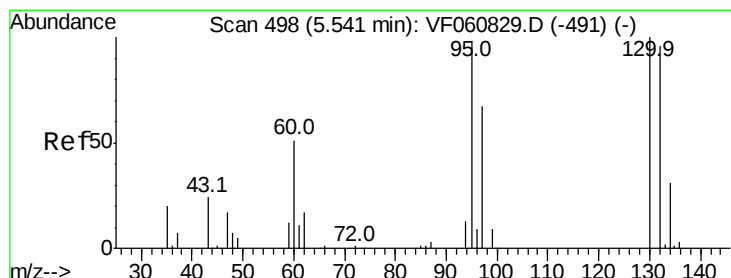
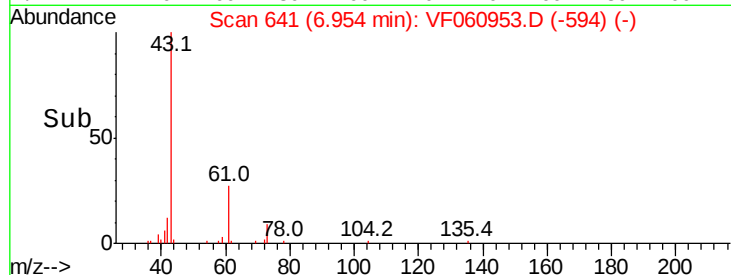
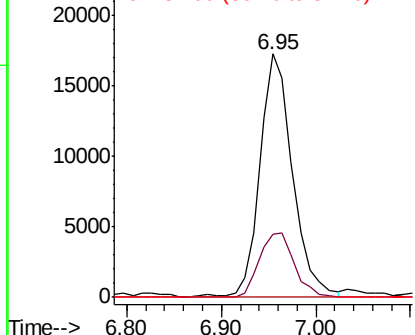
Isopropyl Acetate
 Concen: 21.628 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 41721
 Ion Ratio Lower Upper
 43 100
 61 25.8 21.4 32.0
 87 0.0 0.2 0.4#



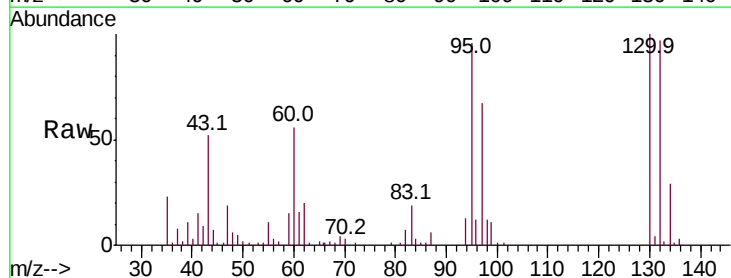
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



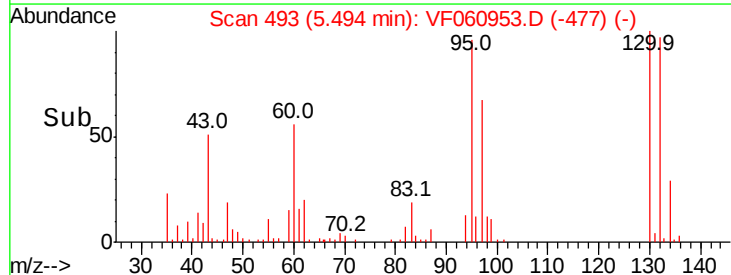
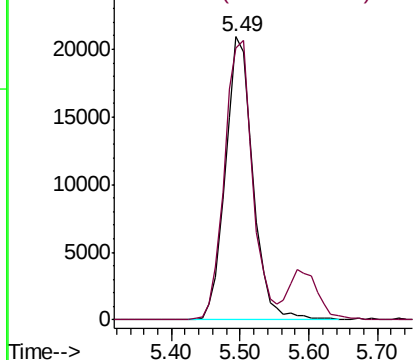
#44

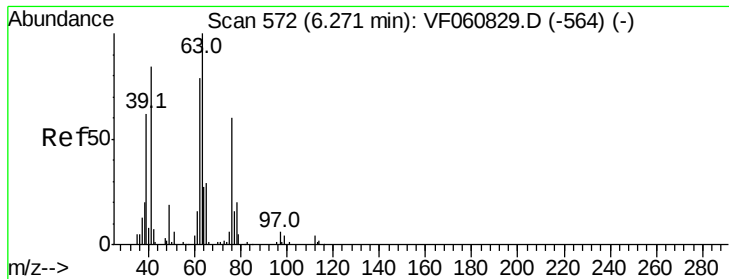
Trichloroethene
 Concen: 22.267 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.05 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

Tgt Ion:130 Resp: 57762
 Ion Ratio Lower Upper
 130 100
 95 96.2 0.0 195.6



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





#45

1,2-Dichloropropane

Concen: 22.257 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

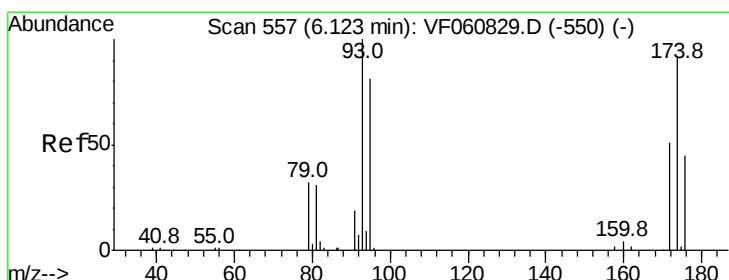
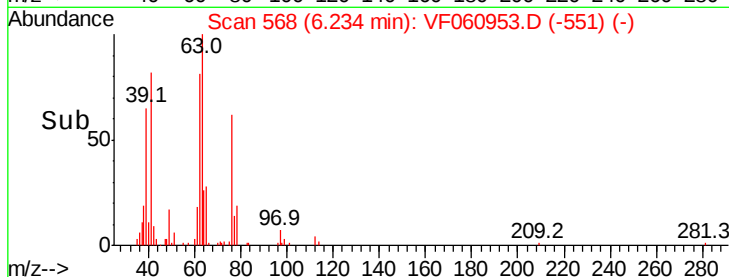
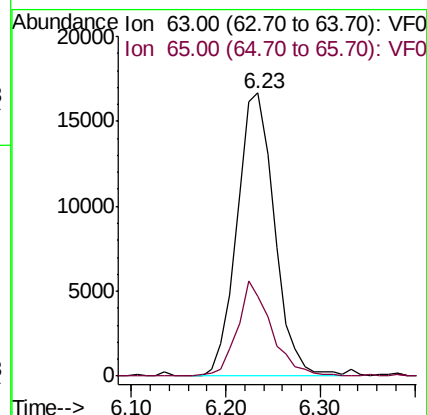
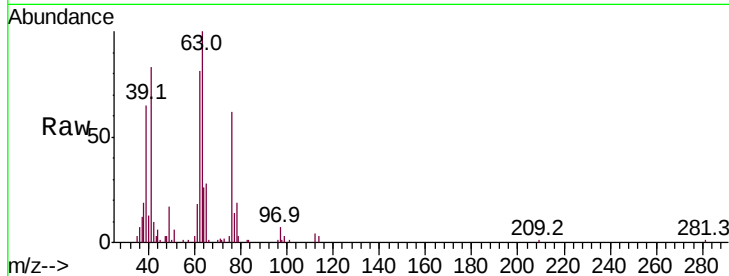
ClientSampleId :

Tot Ion: 63 Resp: 45860

Ion Ratio Lower Upper

63 100

65 28.2 23.2 34.8



#46

Dibromomethane

Concen: 22.675 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

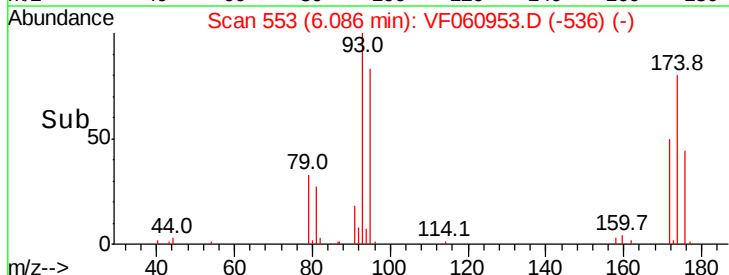
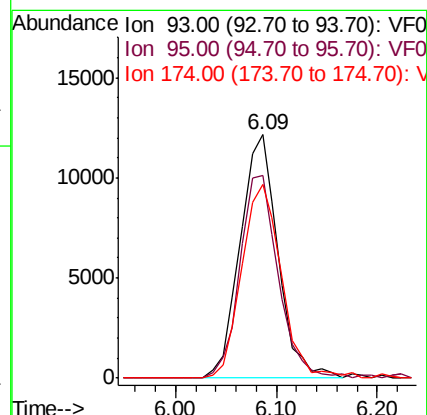
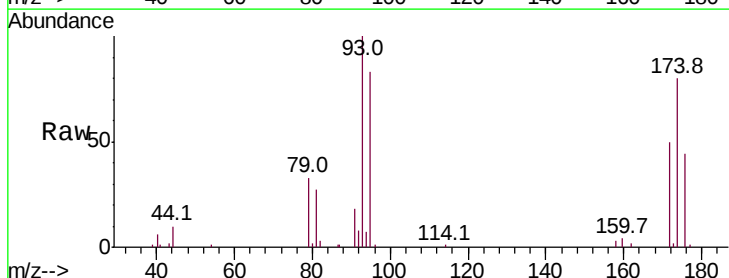
Tgt Ion: 93 Resp: 31694

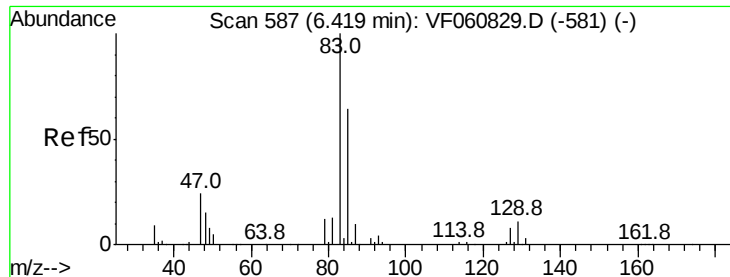
Ion Ratio Lower Upper

93 100

95 83.1 64.7 97.1

174 79.7 73.0 109.6





#47

Bromodichloromethane

Concen: 22.205 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampleId :

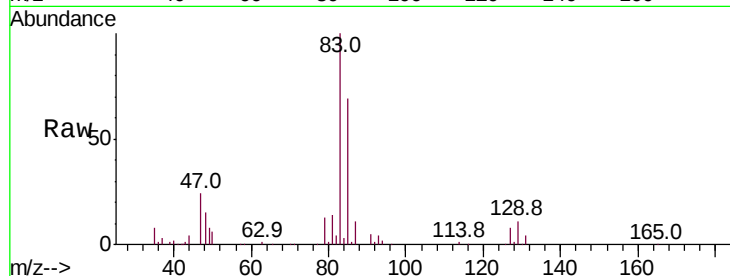
Tot Ion: 83 Resp: 82436

Ion Ratio Lower Upper

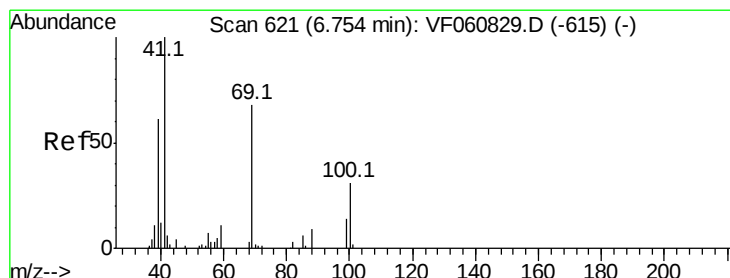
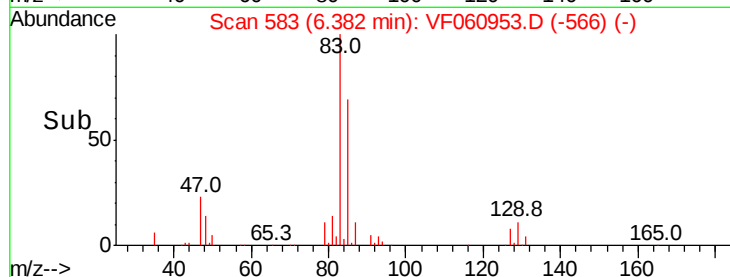
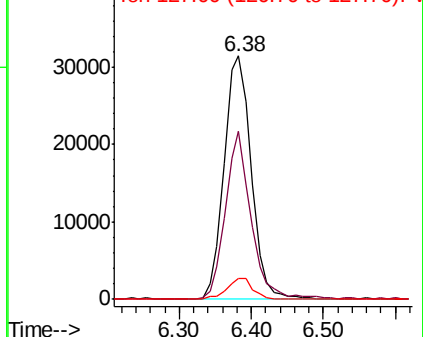
83 100

85 69.1 51.1 76.7

127 8.5 6.8 10.2



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: 21.079 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

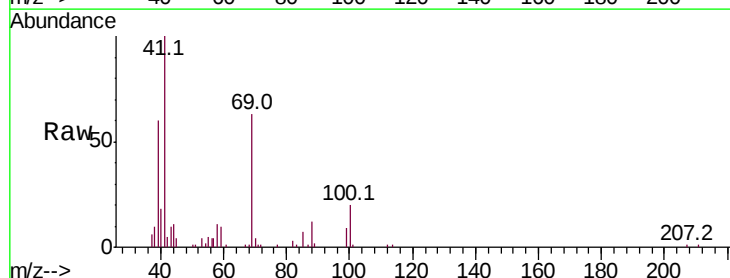
Tgt Ion: 41 Resp: 27845

Ion Ratio Lower Upper

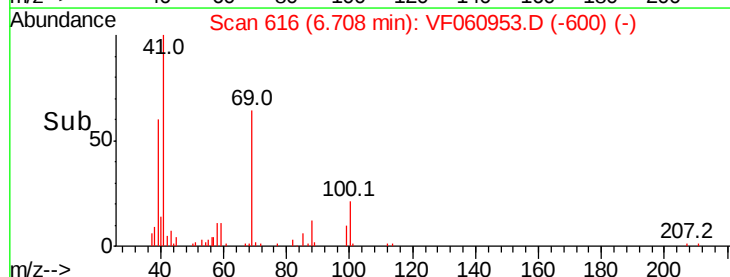
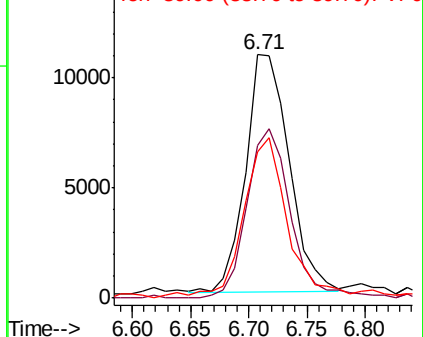
41 100

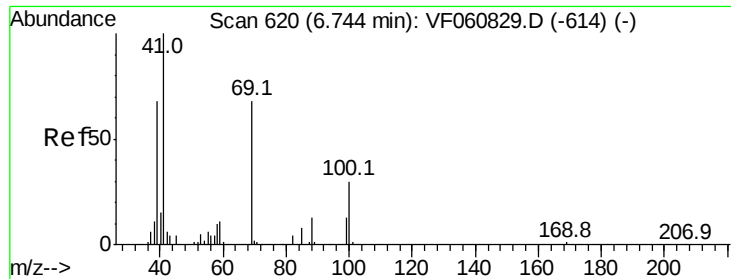
69 62.5 53.9 80.9

39 60.3 49.0 73.6



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: 449.222 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.04 min

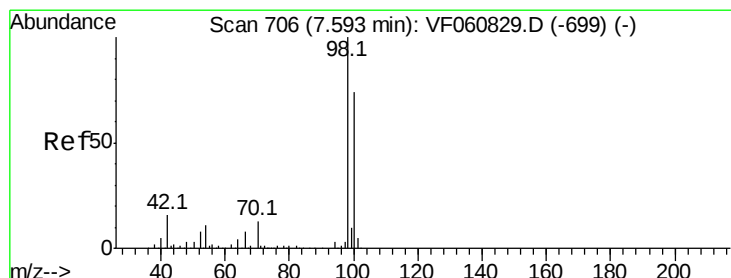
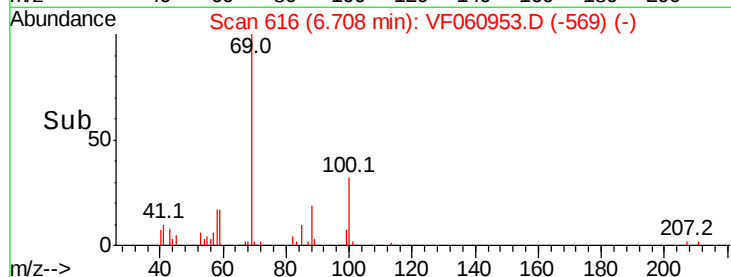
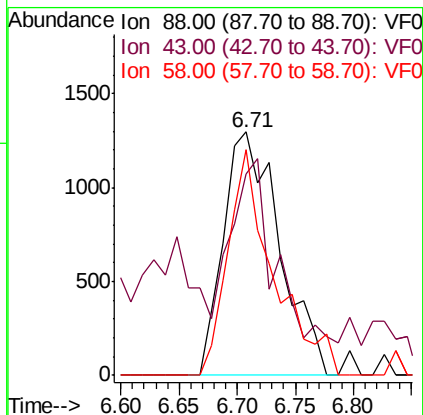
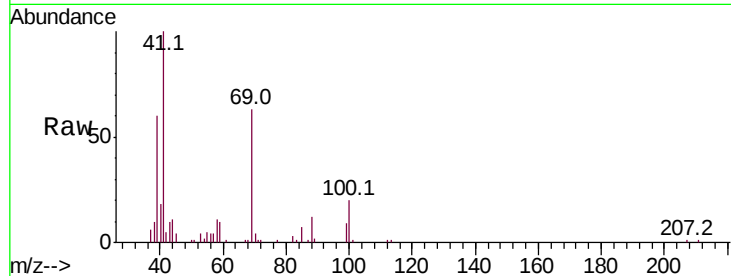
Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 4343

Ion	Ratio	Lower	Upper
88	100		
43	82.9	42.0	63.0#
58	92.6	61.8	92.8



#50

Toluene-d8

Concen: 46.479 ug/l

RT: 7.56 min Scan# 702

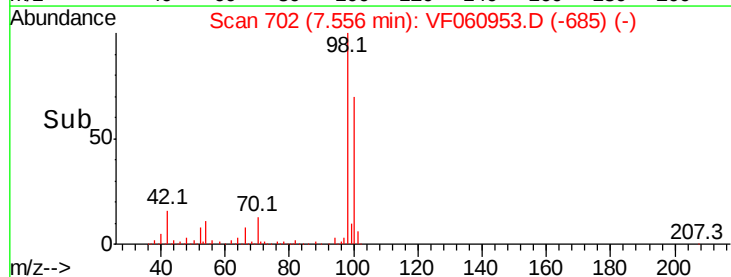
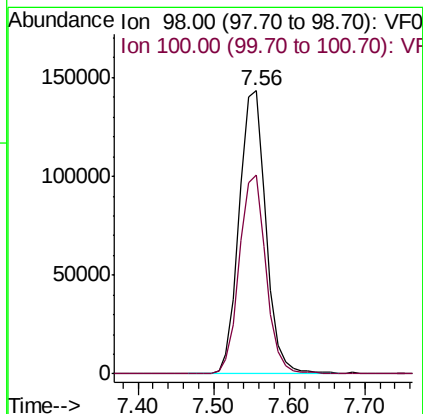
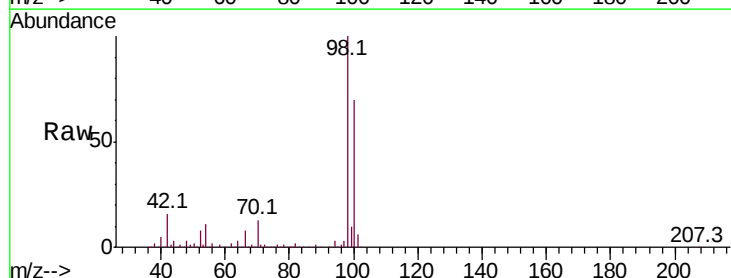
Delta R.T. -0.04 min

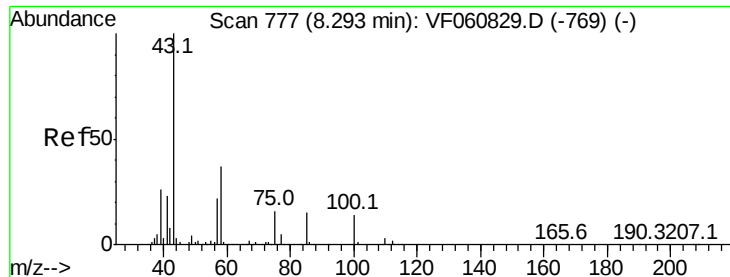
Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion: 98 Resp: 351669

Ion	Ratio	Lower	Upper
98	100		
100	70.4	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 116.096 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

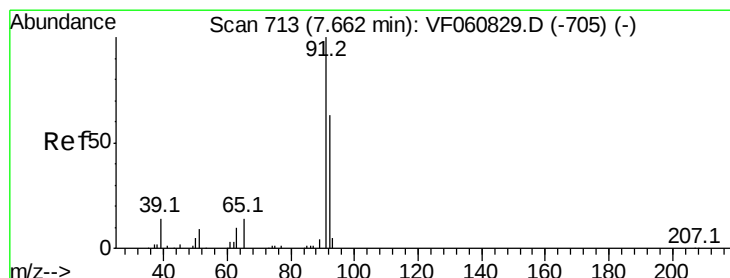
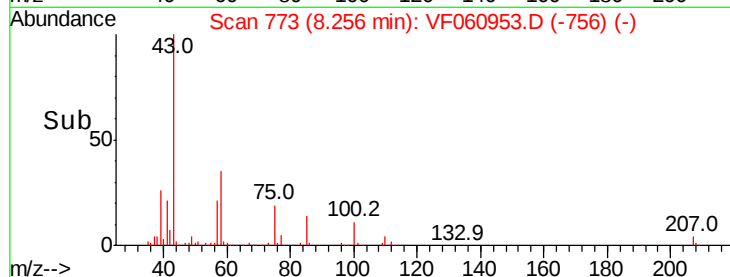
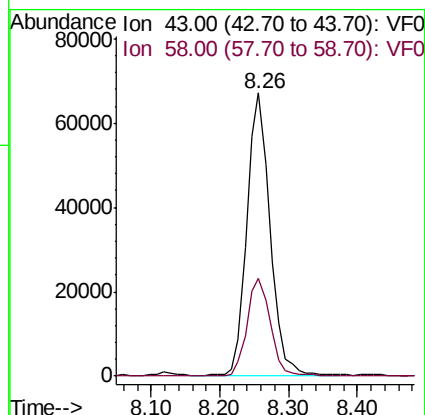
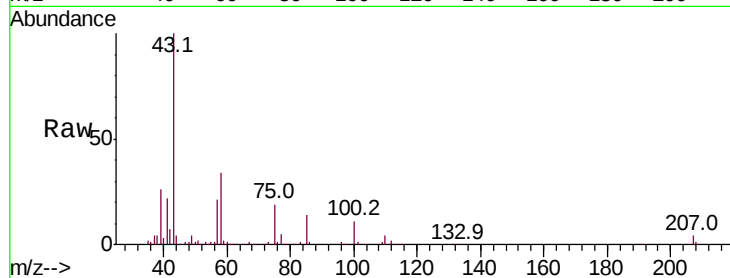
ClientSampleId :

Tot Ion: 43 Resp: 156238

Ion Ratio Lower Upper

43 100

58 34.5 29.7 44.5



#52

Toluene

Concen: 19.952 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF060953.D

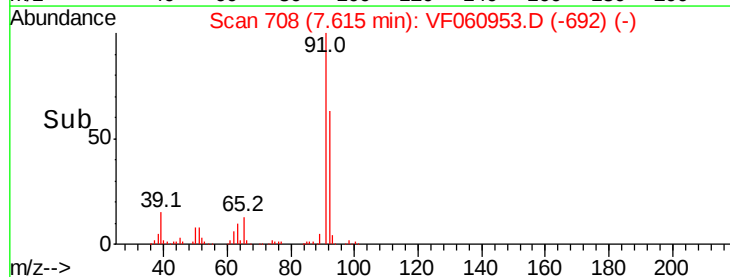
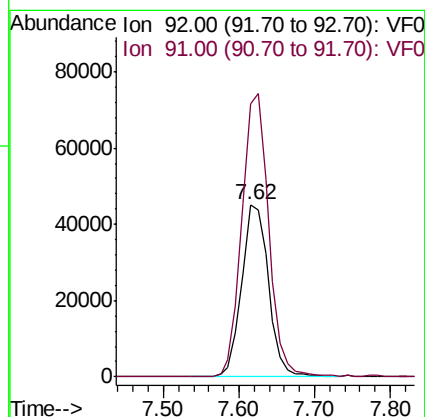
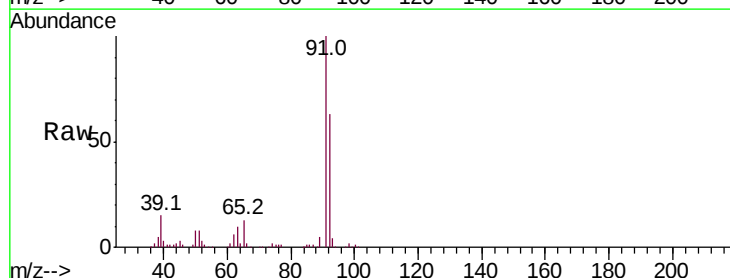
Acq: 10 Dec 2018 14:59

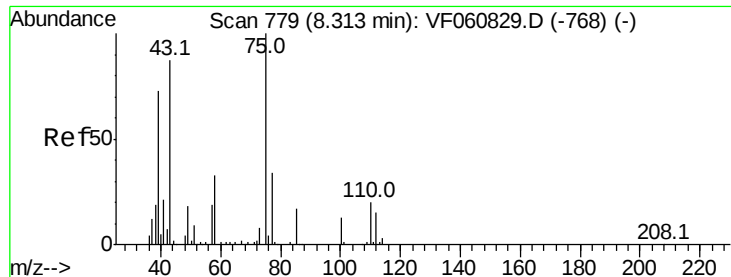
Tgt Ion: 92 Resp: 111185

Ion Ratio Lower Upper

92 100

91 158.6 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 21.423 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

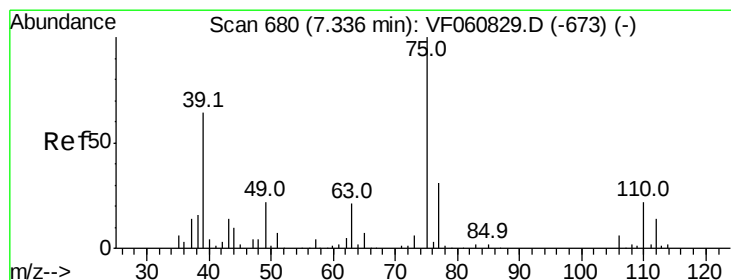
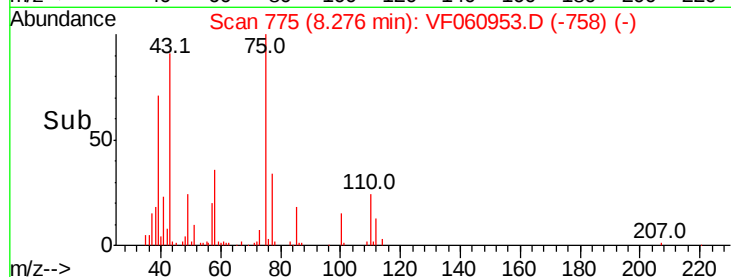
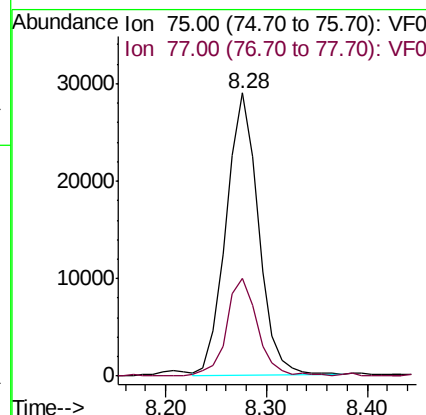
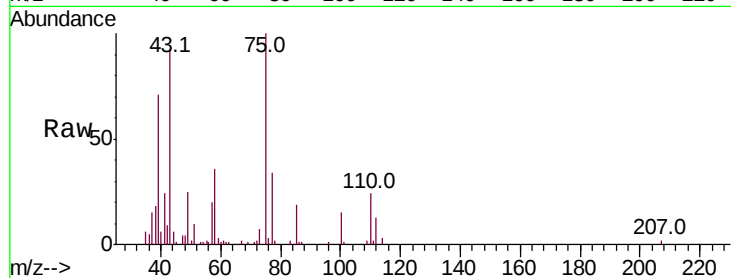
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 64692

Ion Ratio Lower Upper

75 100

77 34.5 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 22.446 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

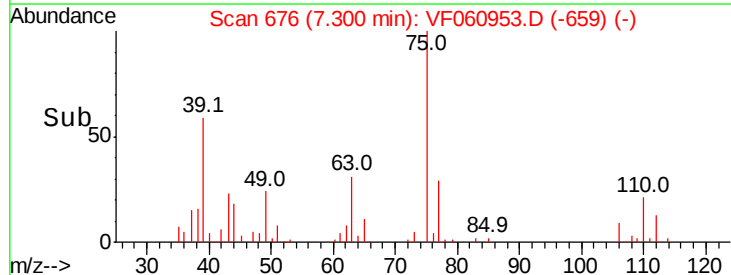
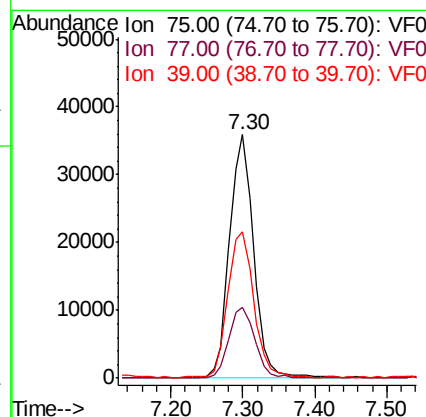
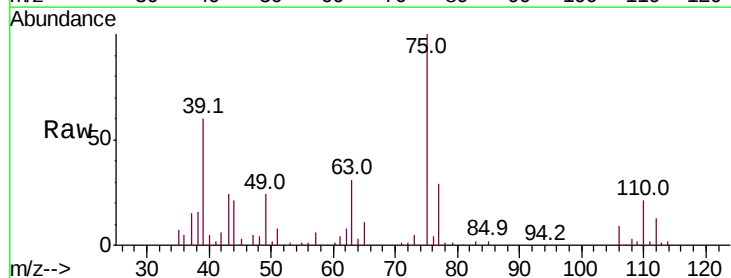
Tgt Ion: 75 Resp: 83910

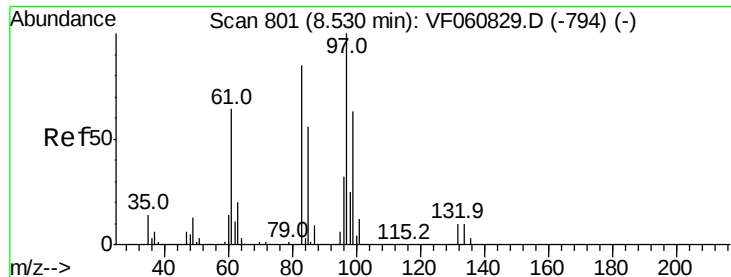
Ion Ratio Lower Upper

75 100

77 29.2 25.0 37.6

39 60.0 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 21.702 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 35240

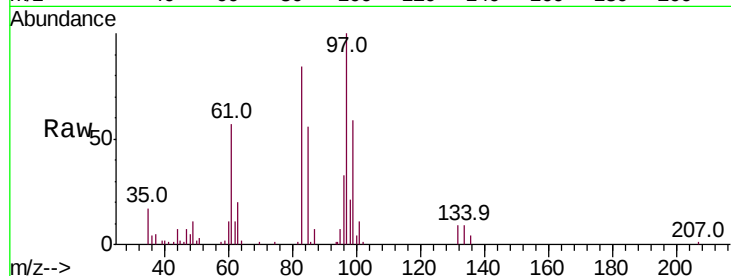
Ion Ratio Lower Upper

97 100

83 83.5 67.8 101.6

85 56.1 45.0 67.6

99 58.8 50.5 75.7

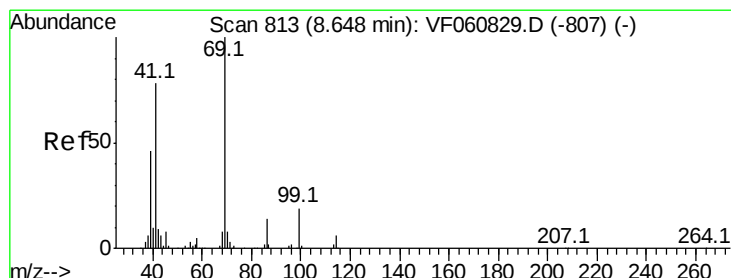
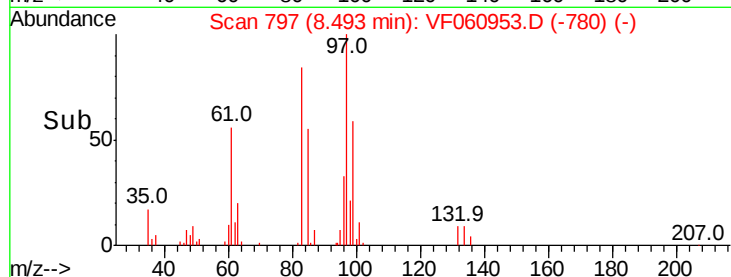
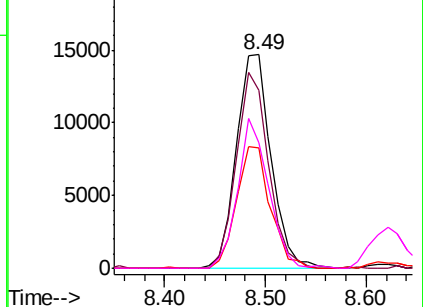


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.268 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

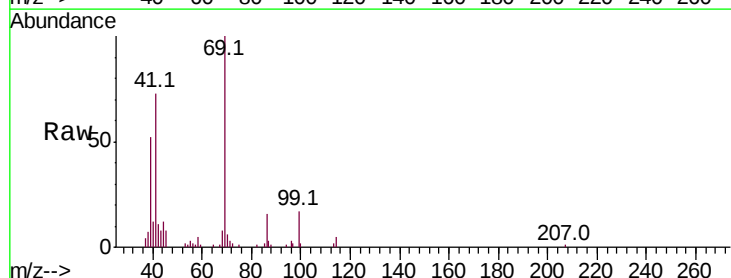
Tgt Ion: 69 Resp: 36561

Ion Ratio Lower Upper

69 100

41 73.4 62.6 94.0

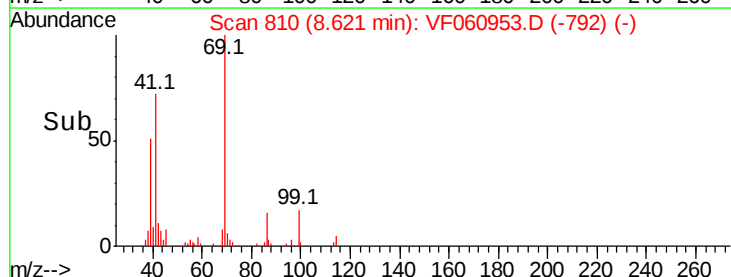
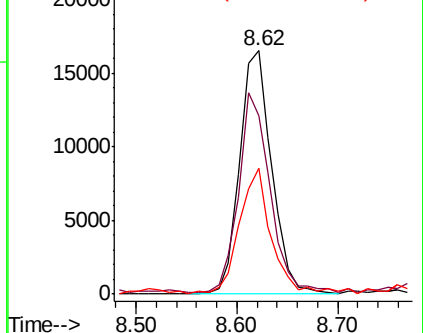
39 51.7 37.8 56.6

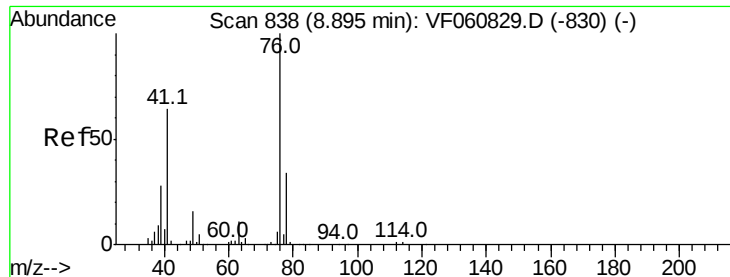


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.375 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.05 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

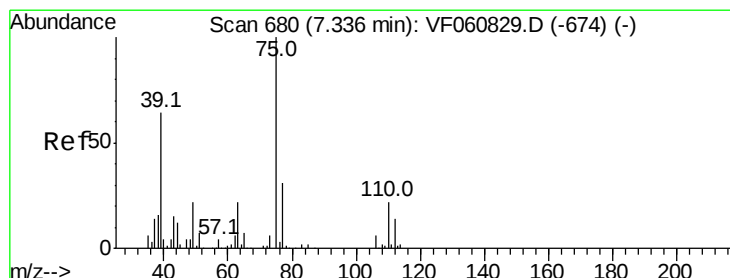
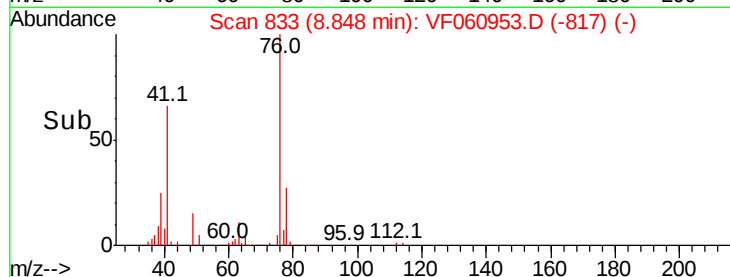
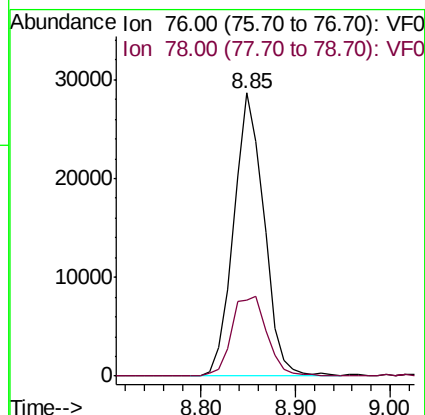
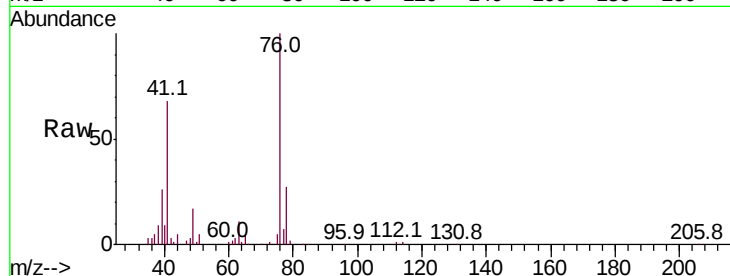
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 63566

Ion Ratio Lower Upper

76 100

78 27.0 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 151.234 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060953.D

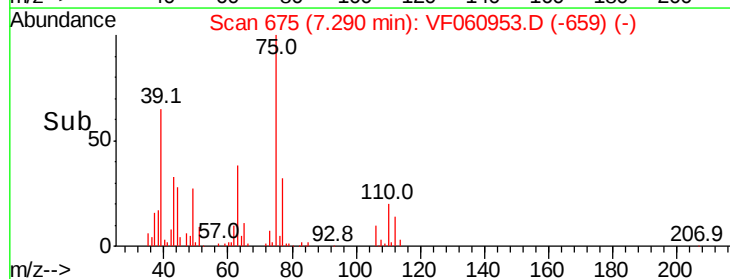
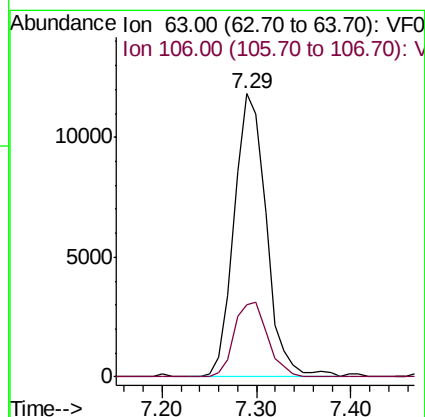
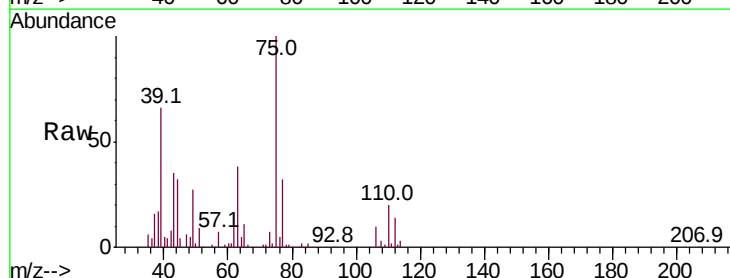
Acq: 10 Dec 2018 14:59

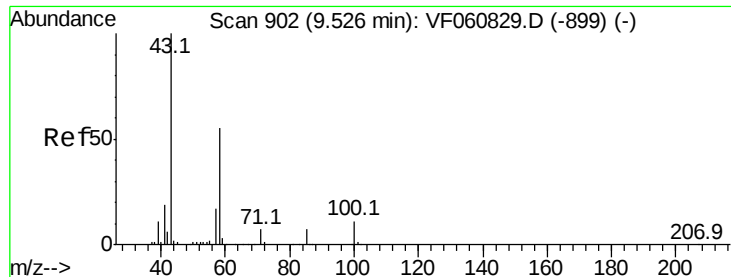
Tgt Ion: 63 Resp: 27904

Ion Ratio Lower Upper

63 100

106 25.4 23.0 34.6

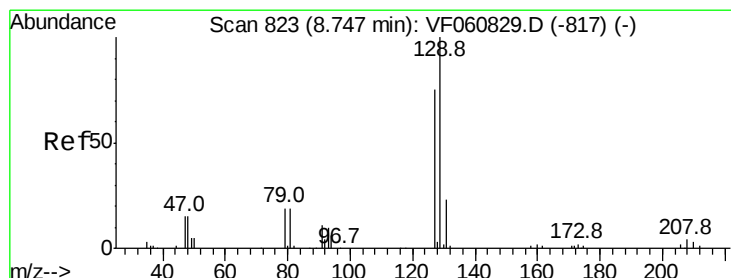
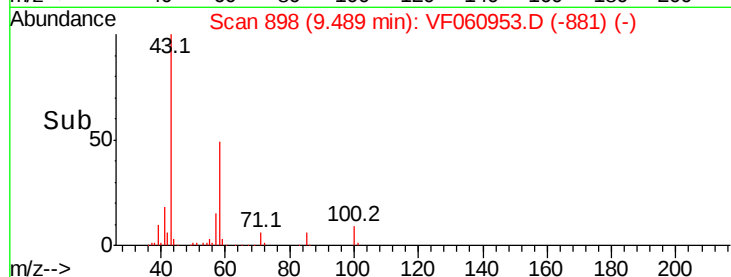
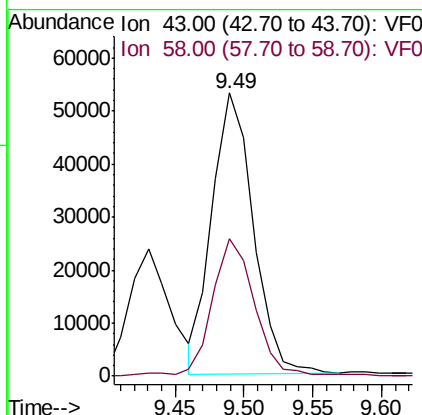
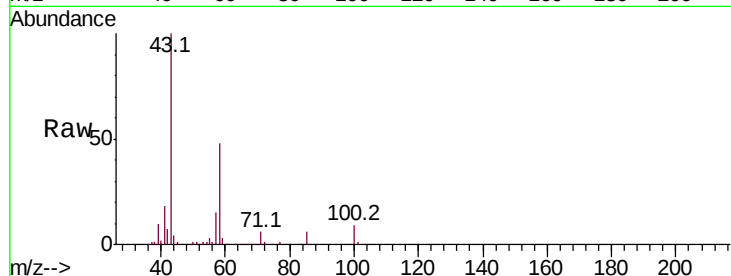




#59
2-Hexanone
Concen: 117.338 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

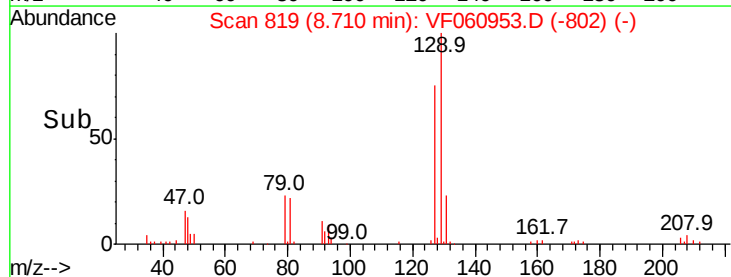
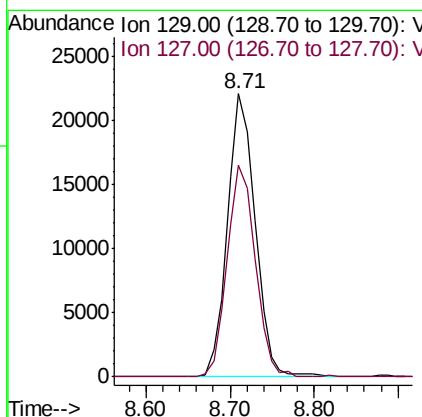
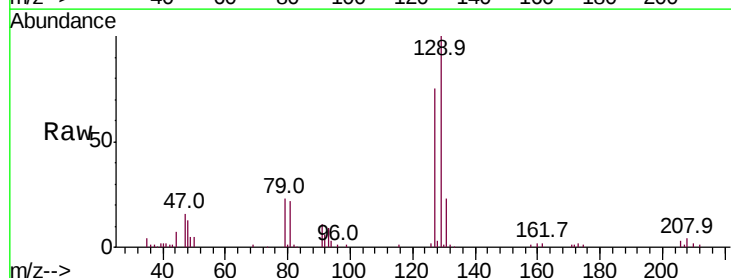
Instrument :
MSVOA_F
ClientSampleId :

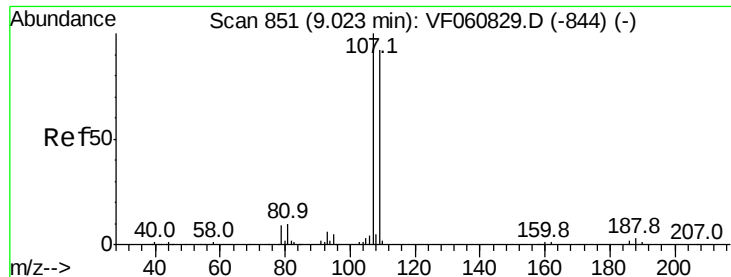
Tot Ion: 43 Resp: 110783
Ion Ratio Lower Upper
43 100
58 48.4 25.6 76.6



#60
Dibromochloromethane
Concen: 20.948 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion:129 Resp: 50683
Ion Ratio Lower Upper
129 100
127 74.7 37.3 111.9





#61

1,2-Dibromoethane

Concen: 20.580 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

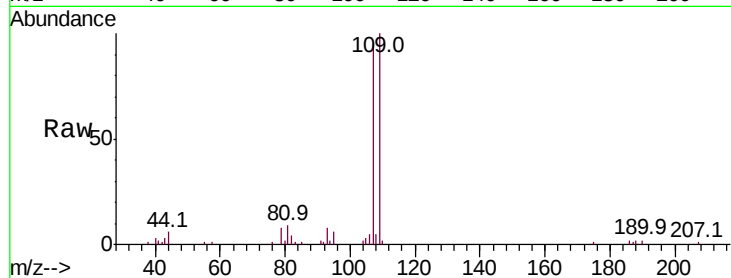
ClientSampleId :

Tot Ion:107 Resp: 36102

Ion Ratio Lower Upper

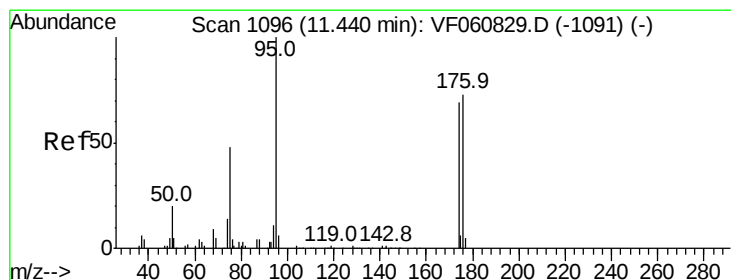
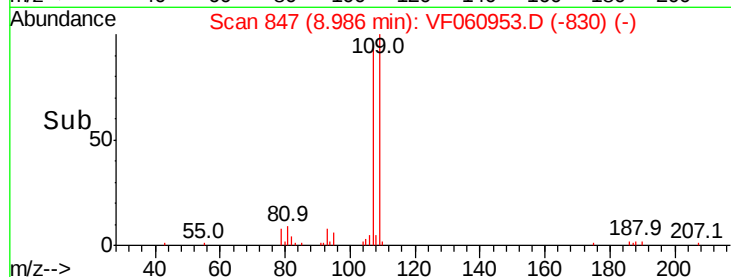
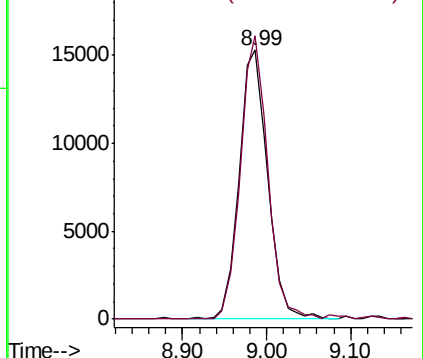
107 100

109 105.2 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: 46.782 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

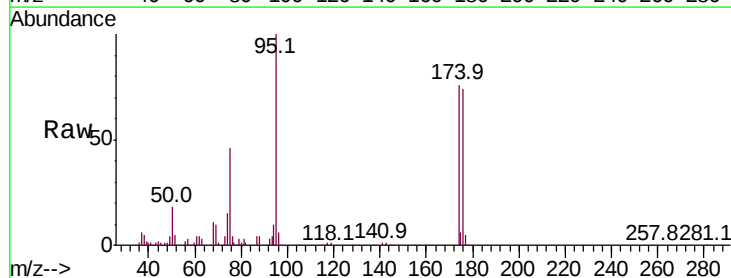
Tgt Ion: 95 Resp: 160871

Ion Ratio Lower Upper

95 100

174 76.3 0.0 138.2

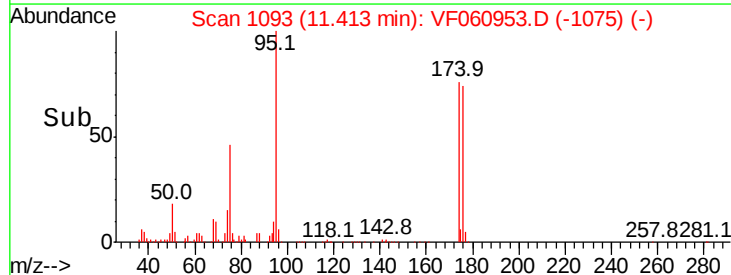
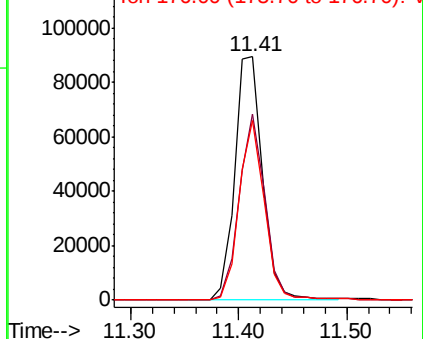
176 74.0 0.0 146.2

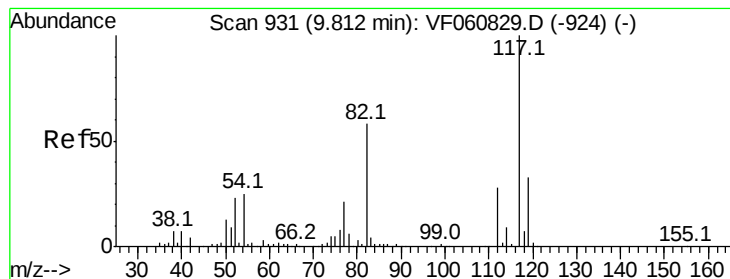


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.78 min Scan# 927

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampled :

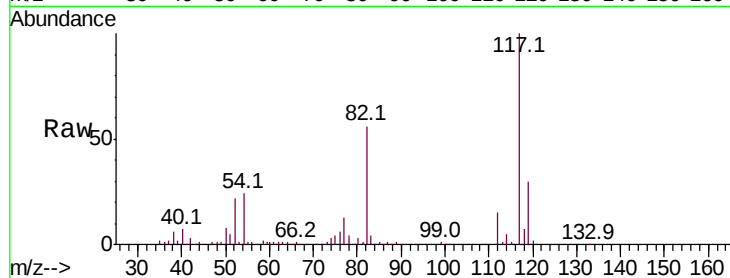
Tot Ion:117 Resp: 288082

Ion Ratio Lower Upper

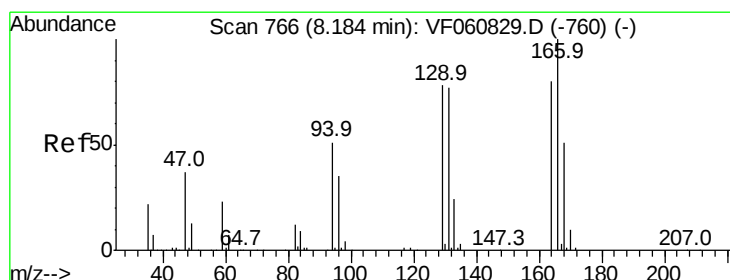
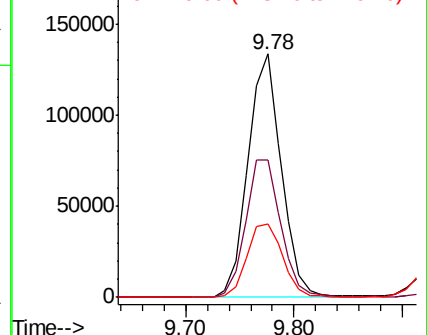
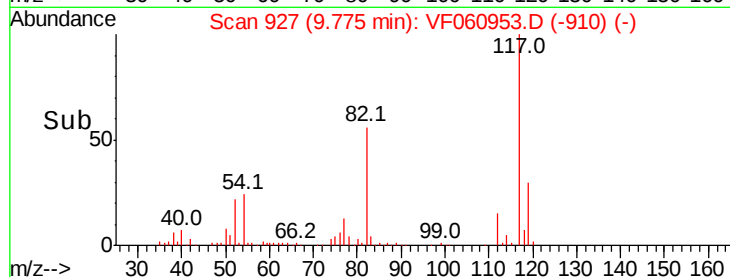
117 100

82 56.4 46.6 69.8

119 30.2 26.4 39.6



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: 21.360 ug/l

RT: 8.15 min Scan# 762

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion:164 Resp: 47001

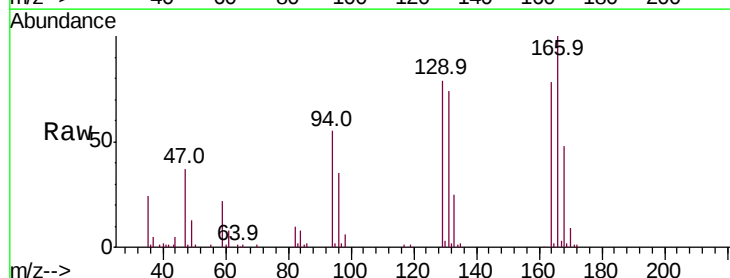
Ion Ratio Lower Upper

164 100

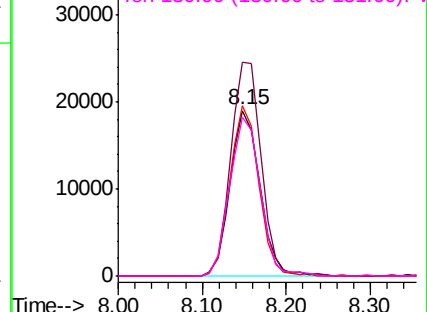
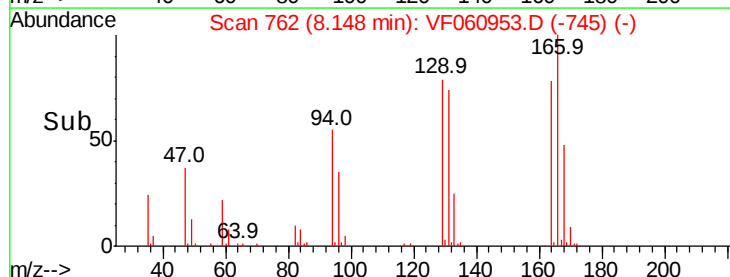
166 129.0 100.3 150.5

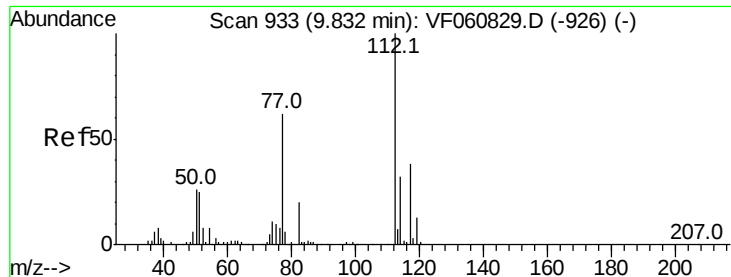
129 102.5 77.9 116.9

131 95.8 77.5 116.3



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

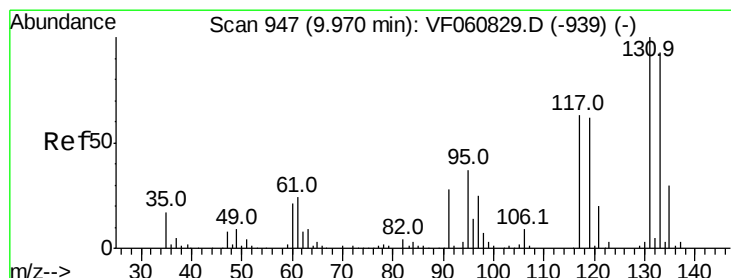
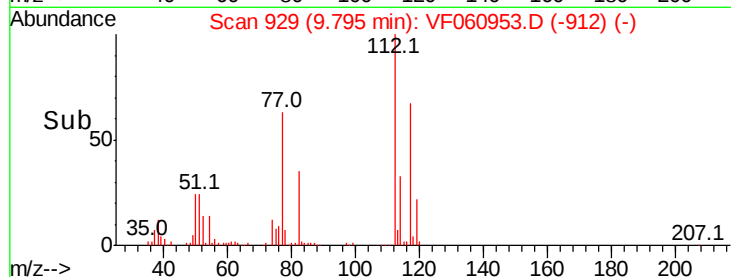
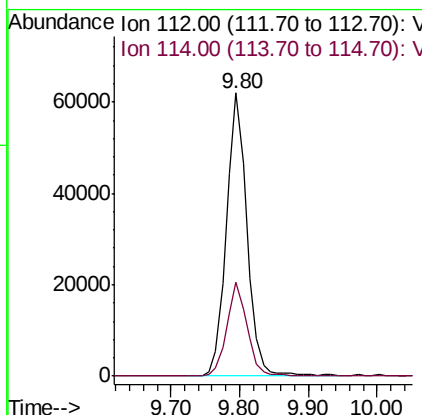
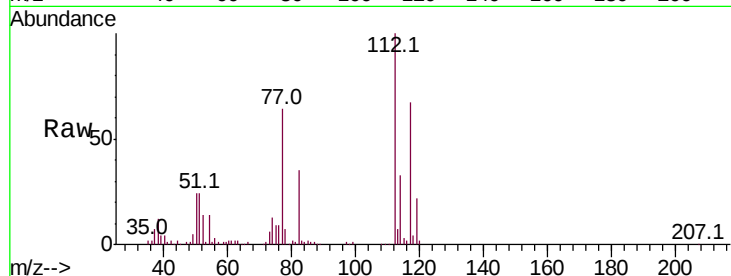




#65
Chlorobenzene
Concen: 22.882 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

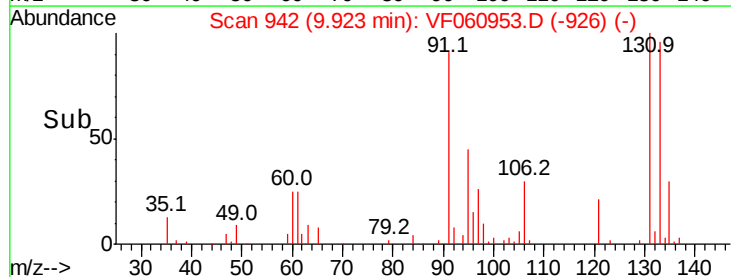
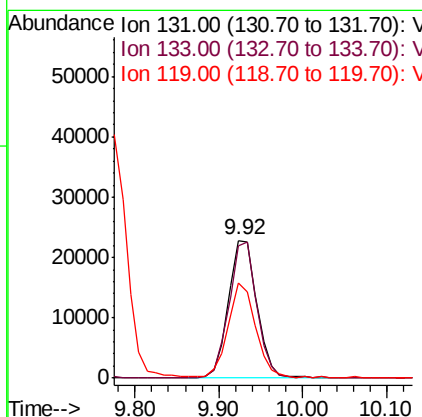
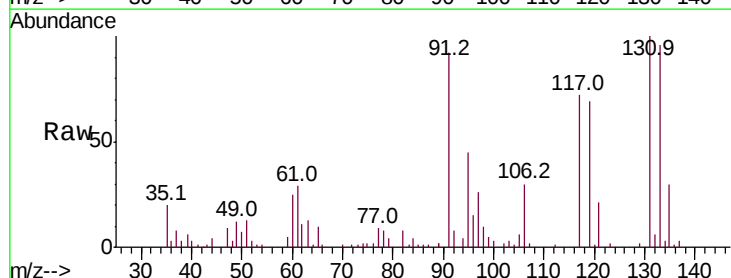
Instrument :
MSVOA_F
ClientSampleId :

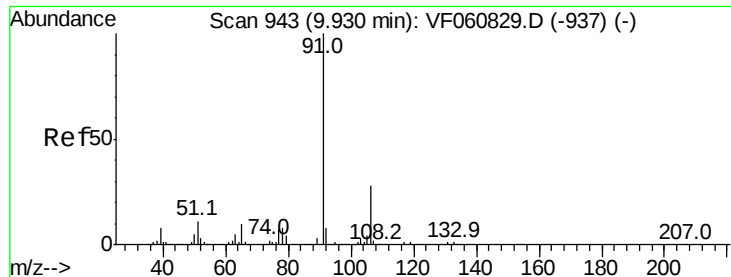
Tot Ion:112 Resp: 128240
Ion Ratio Lower Upper
112 100
114 33.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.451 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion:131 Resp: 54091
Ion Ratio Lower Upper
131 100
133 95.6 46.5 139.3
119 68.8 31.1 93.3





#67

Ethyl Benzene

Concen: 22.322 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

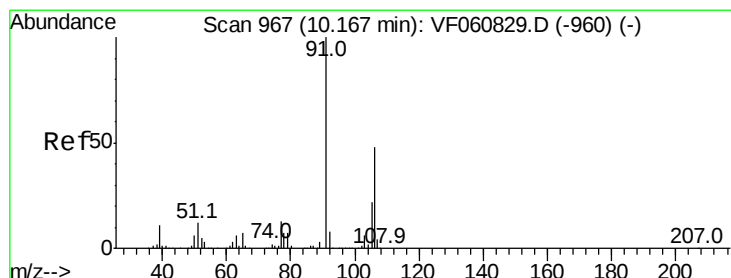
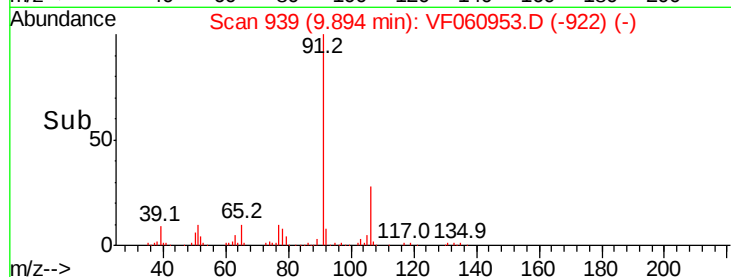
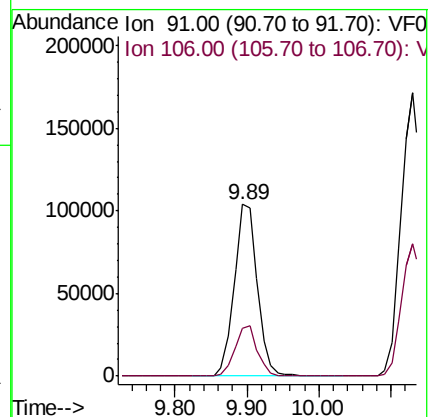
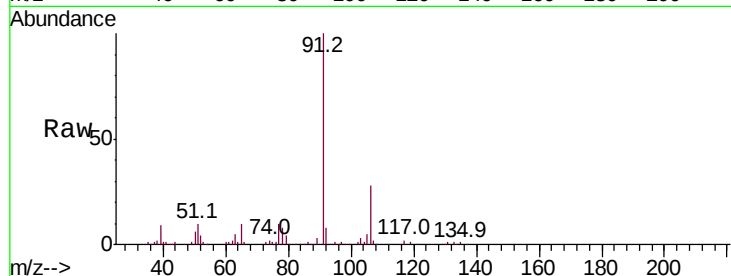
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 232901

Ion Ratio Lower Upper

91 100

106 28.1 22.2 33.2



#68

m/p-Xylenes

Concen: 46.039 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060953.D

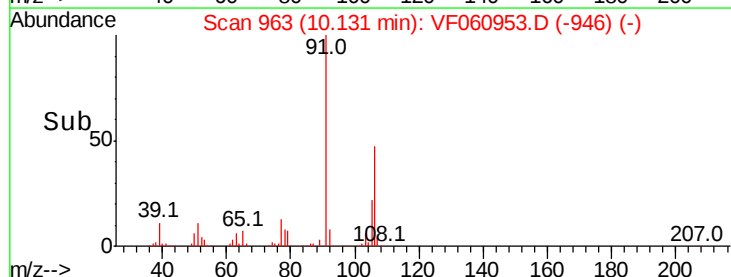
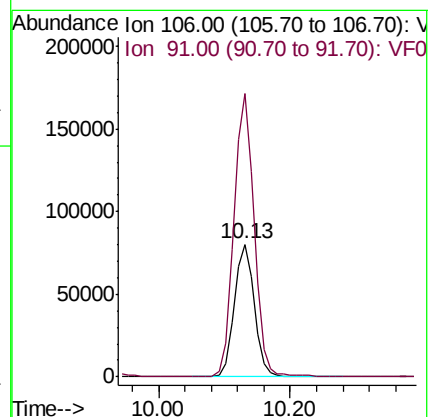
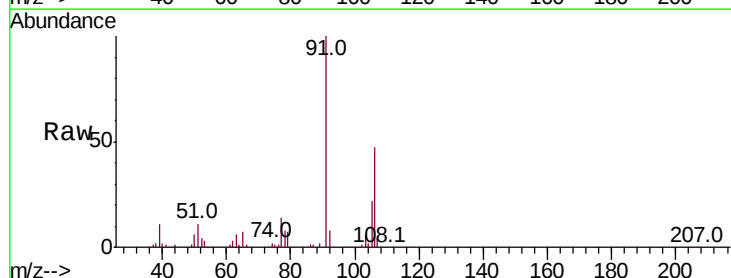
Acq: 10 Dec 2018 14:59

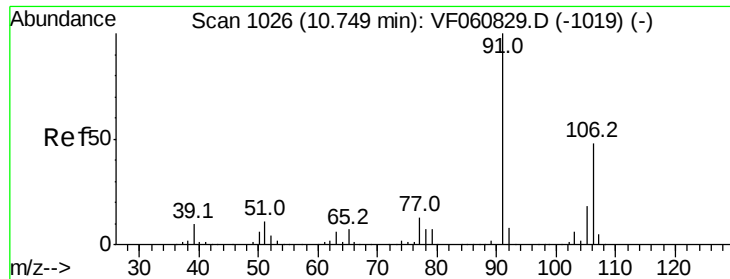
Tgt Ion: 106 Resp: 172761

Ion Ratio Lower Upper

106 100

91 213.4 166.7 250.1

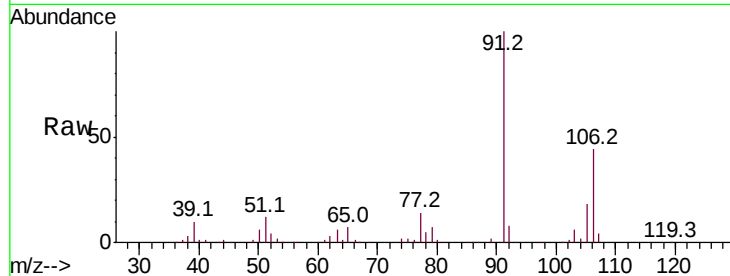




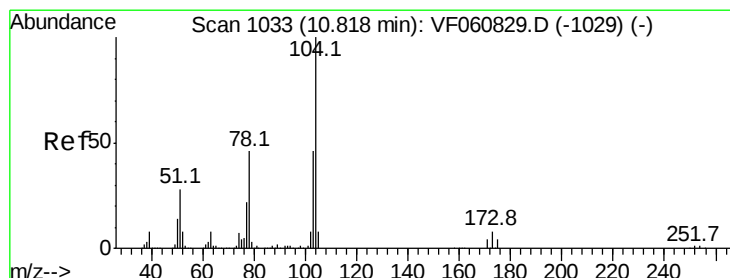
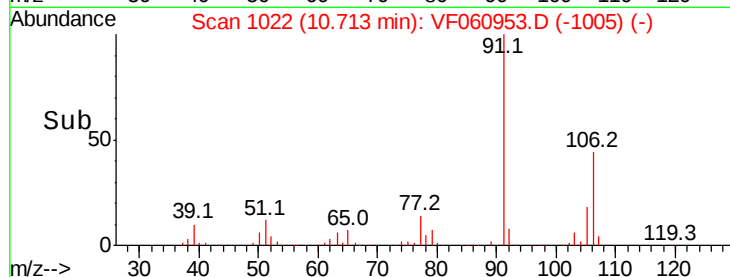
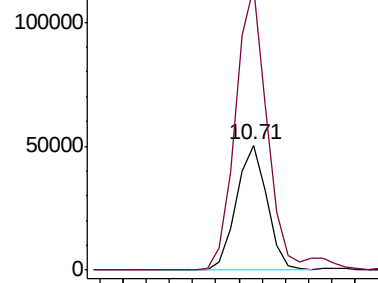
#69
o-Xylene
Concen: 22.306 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 92299
Ion Ratio Lower Upper
106 100
91 226.8 104.8 314.6

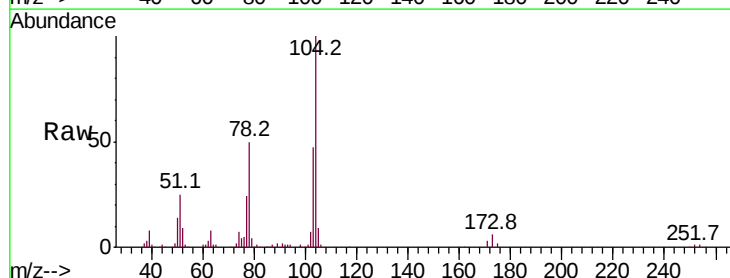


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

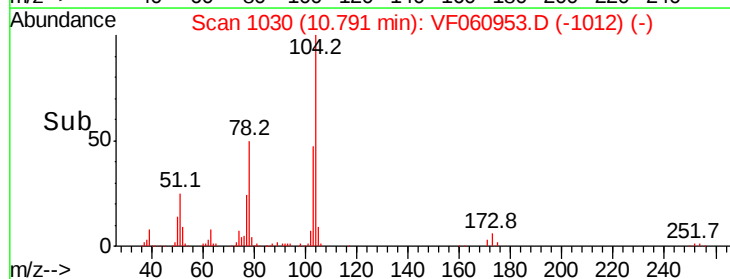
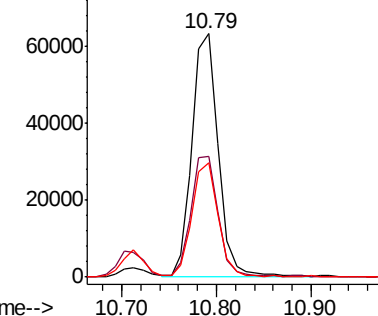


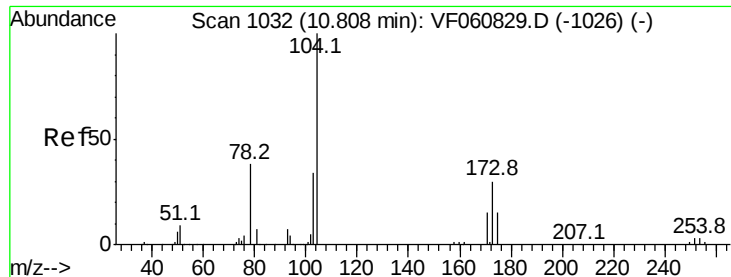
#70
Styrene
Concen: 21.131 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion:104 Resp: 121208
Ion Ratio Lower Upper
104 100
78 49.6 37.3 55.9
103 47.1 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V

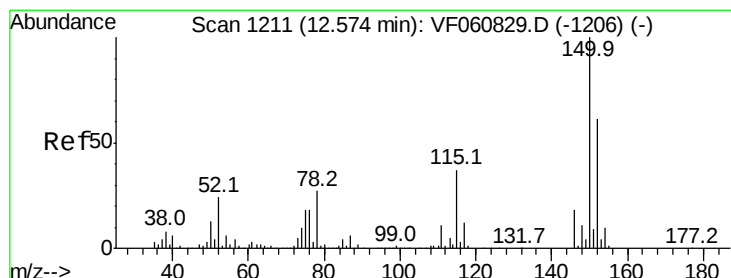
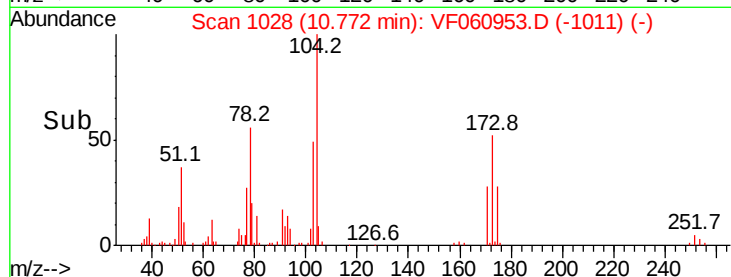
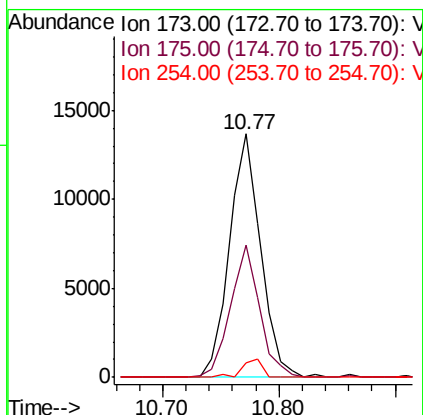
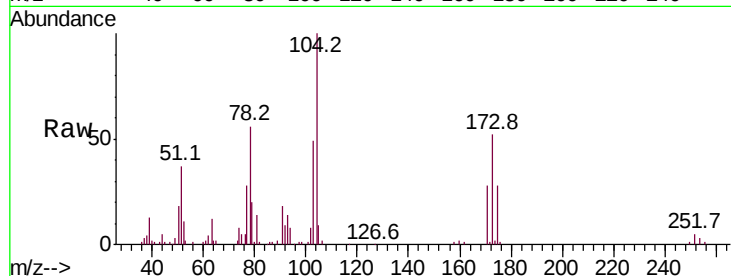




#71
Bromoform
Concen: 21.807 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.04 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

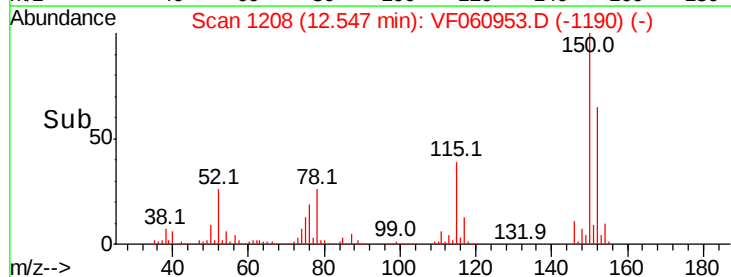
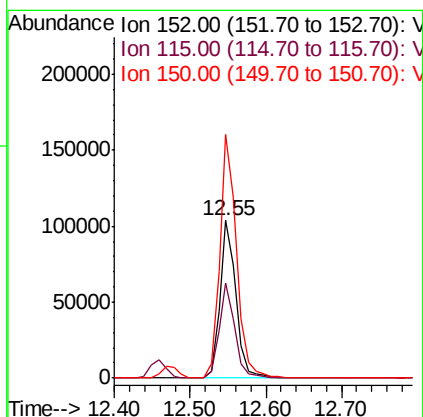
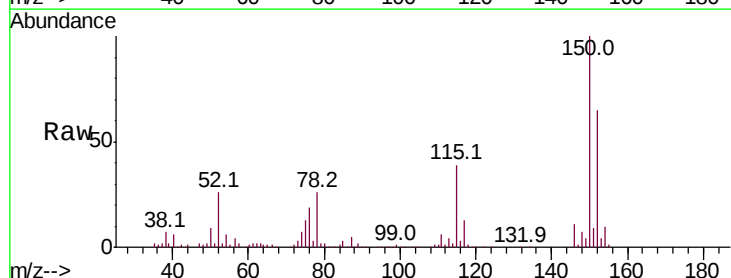
Instrument :
MSVOA_F
ClientSampleId :

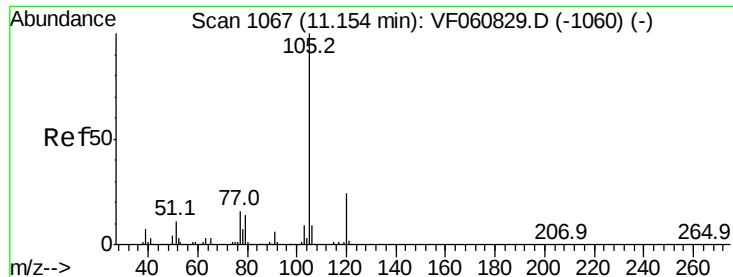
Tot Ion:173 Resp: 25378
Ion Ratio Lower Upper
173 100
175 55.4 25.5 76.5
254 6.2 7.5 11.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion:152 Resp: 154123
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.5
150 154.6 0.0 327.6





#73

Isopropylbenzene

Concen: 23.532 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

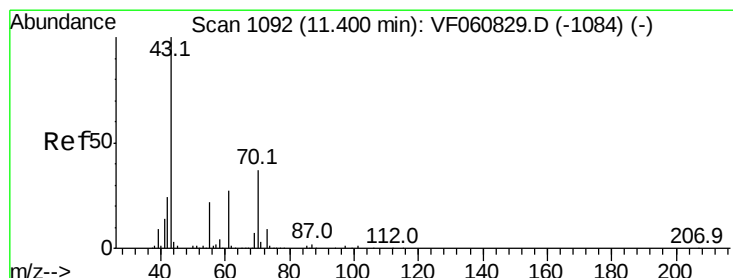
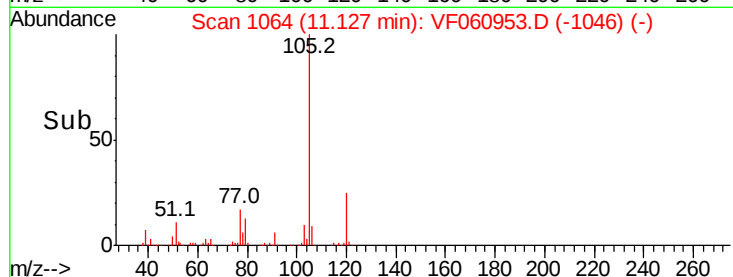
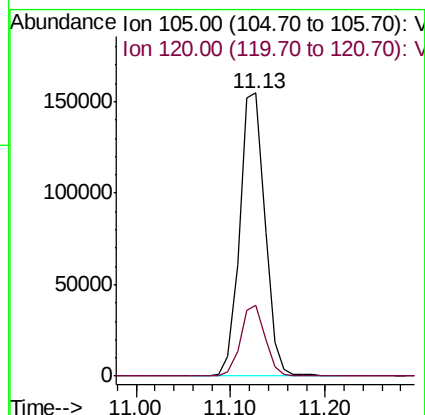
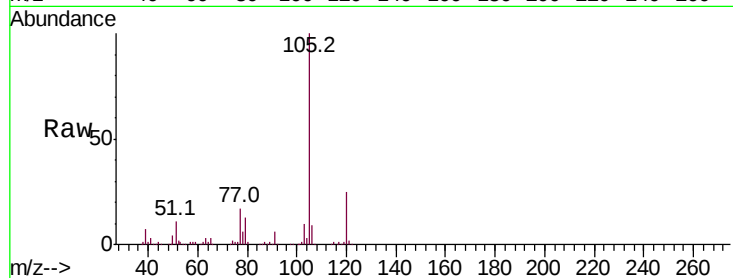
ClientSampleId :

Tot Ion:105 Resp: 286609

Ion Ratio Lower Upper

105 100

120 25.0 12.2 36.4



#74

N-ethyl acetate

Concen: 24.027 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Tgt Ion: 43 Resp: 67574

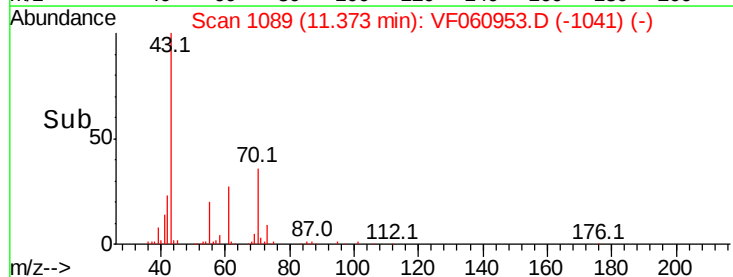
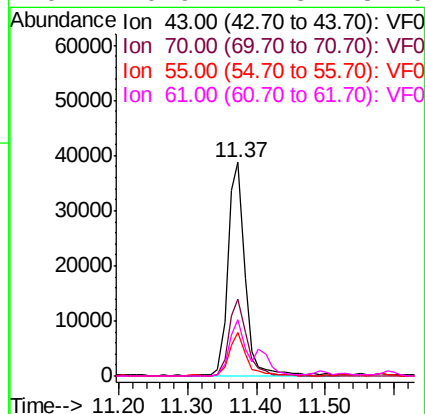
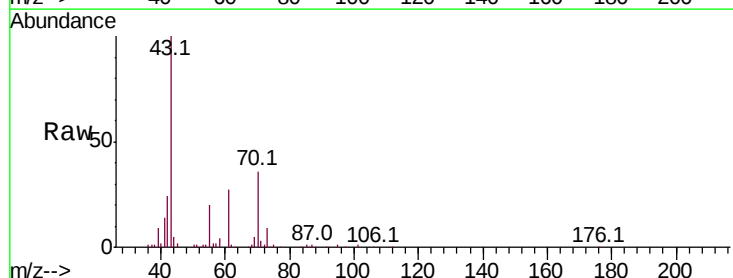
Ion Ratio Lower Upper

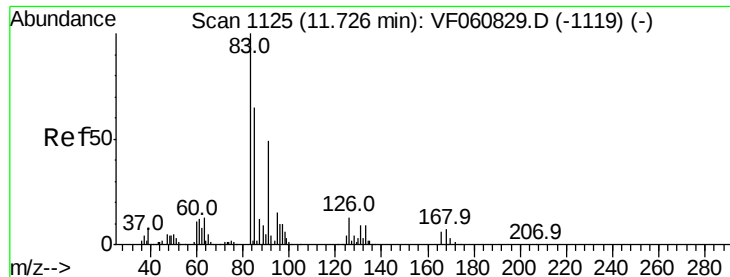
43 100

70 35.8 29.6 44.4

55 20.2 17.2 25.8

61 26.6 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.410 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampleId :

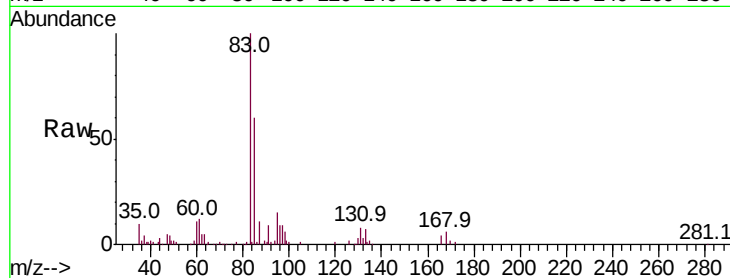
Tot Ion: 83 Resp: 48929

Ion Ratio Lower Upper

83 100

131 8.0 4.7 14.1

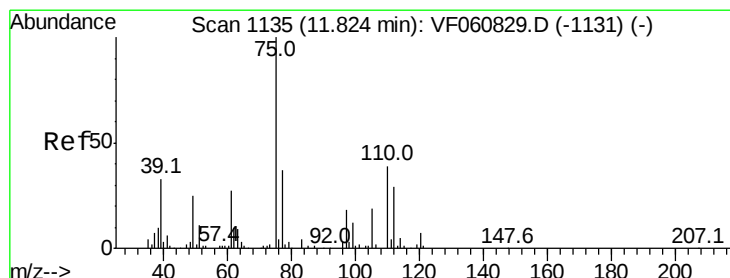
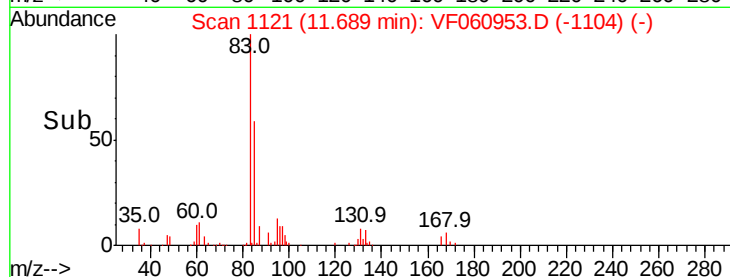
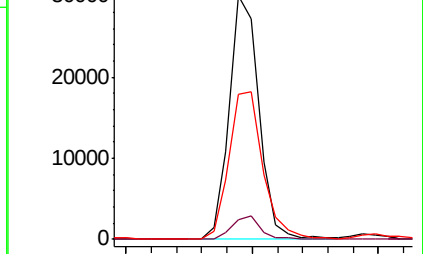
85 59.8 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 25.228 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.04 min

Lab File: VF060953.D

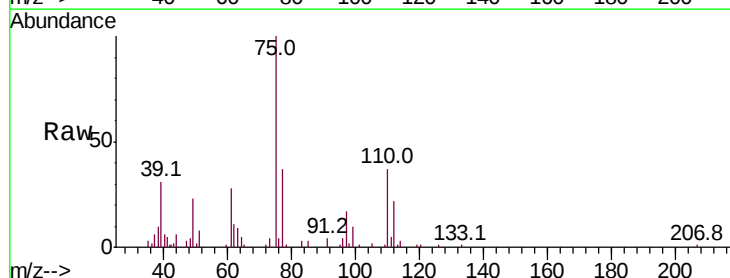
Acq: 10 Dec 2018 14:59

Tgt Ion: 75 Resp: 36757

Ion Ratio Lower Upper

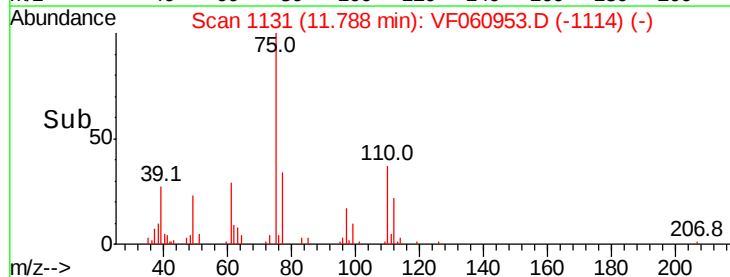
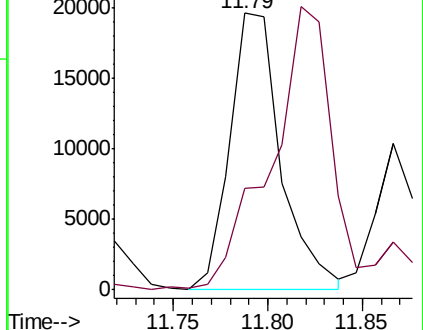
75 100

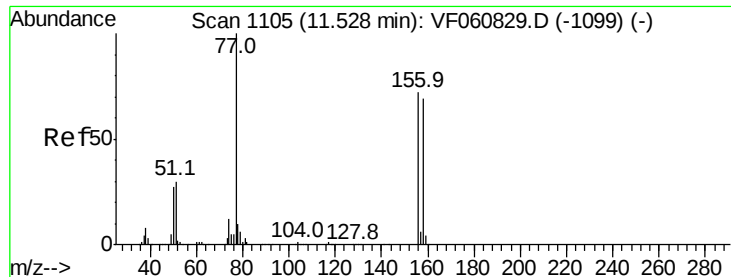
77 36.6 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.708 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampleId :

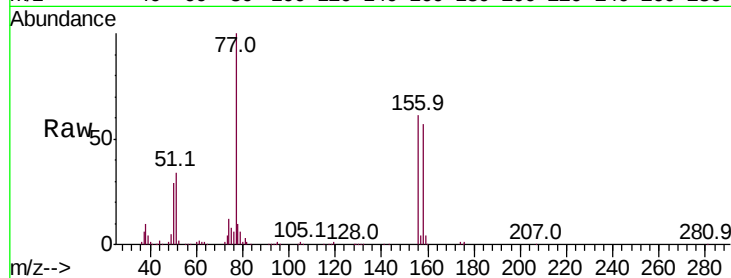
Tot Ion:156 Resp: 60635

Ion Ratio Lower Upper

156 100

77 165.3 69.7 209.0

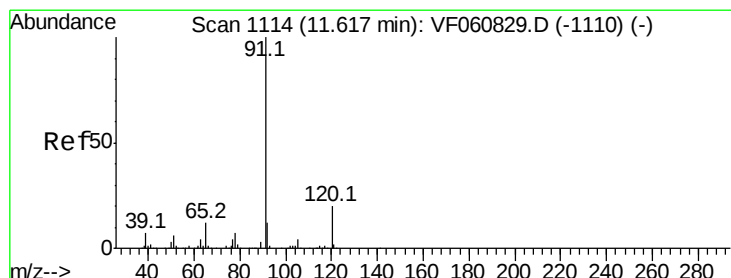
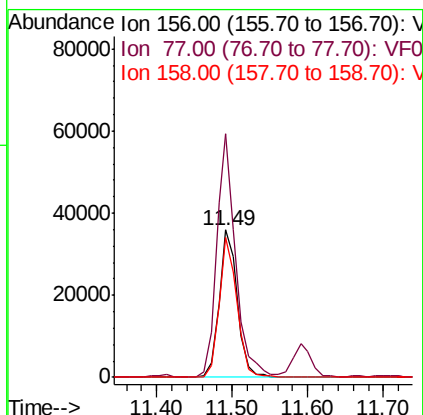
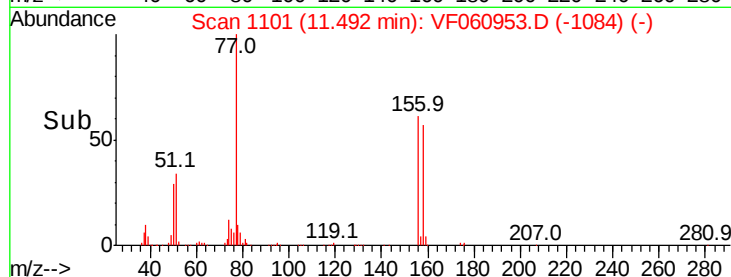
158 94.8 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.431 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF060953.D

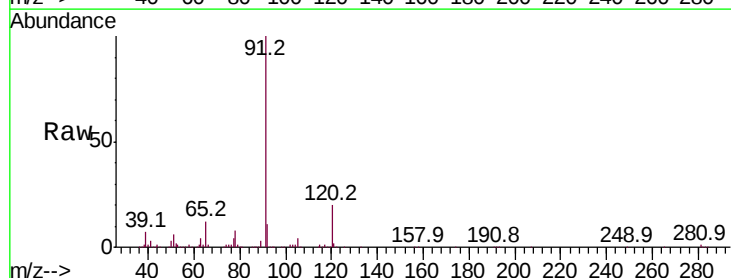
Acq: 10 Dec 2018 14:59

Tgt Ion: 91 Resp: 319939

Ion Ratio Lower Upper

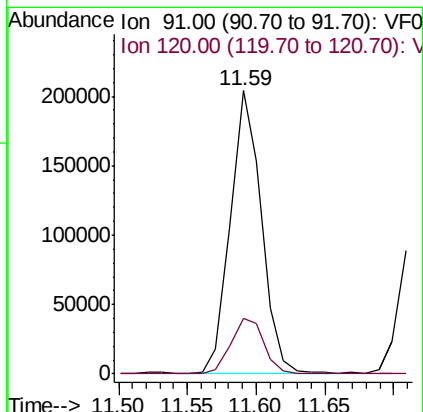
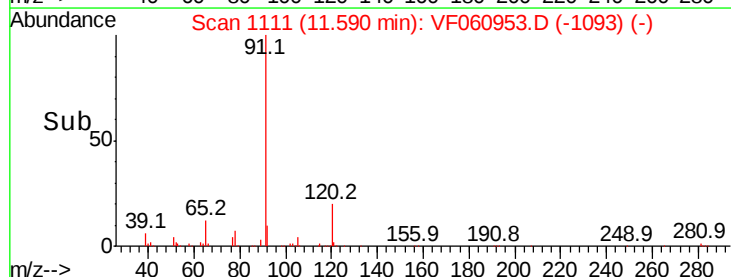
91 100

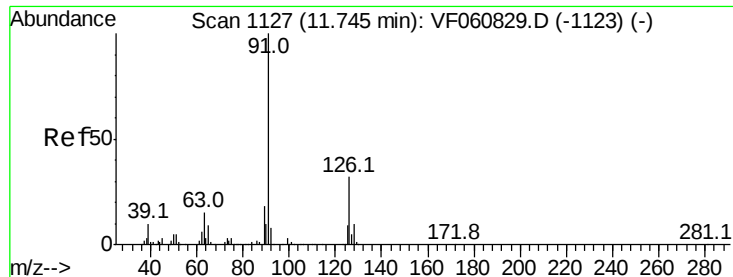
120 19.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.965 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

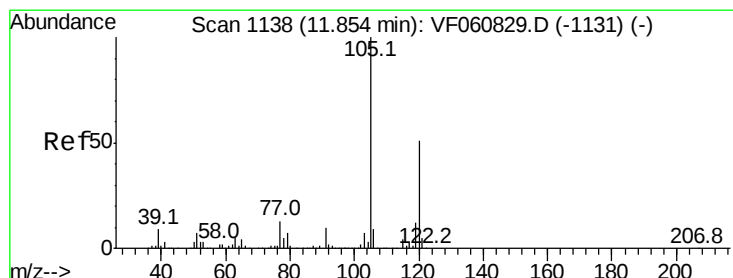
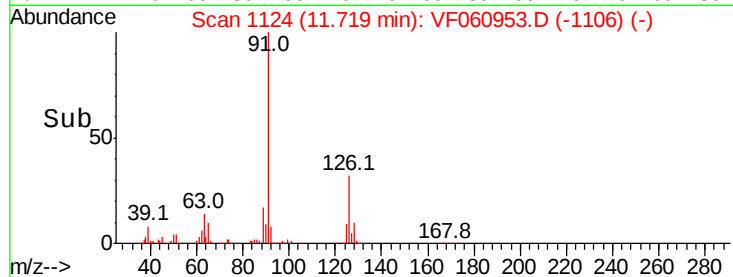
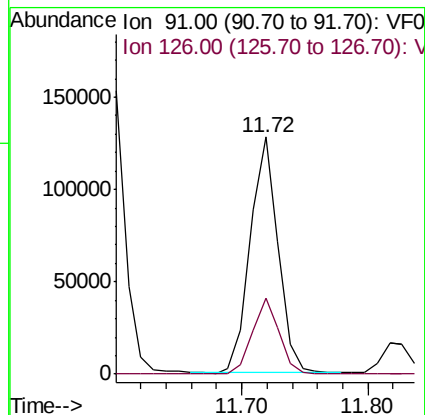
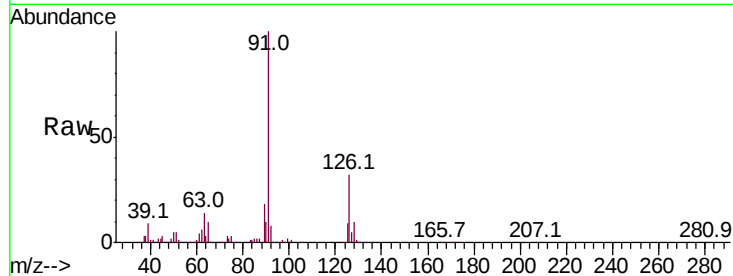
ClientSampleId :

Tot Ion: 91 Resp: 195994

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 23.978 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060953.D

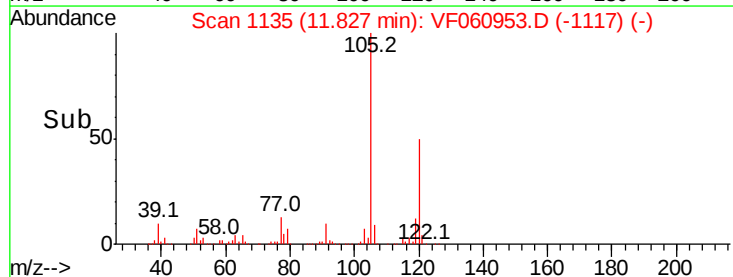
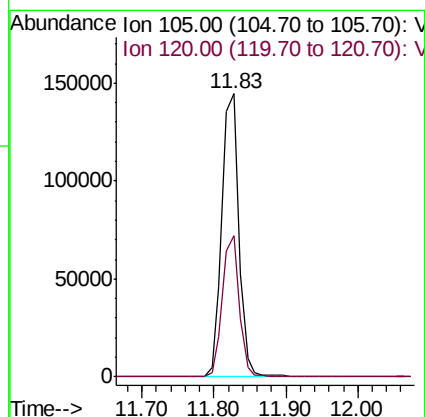
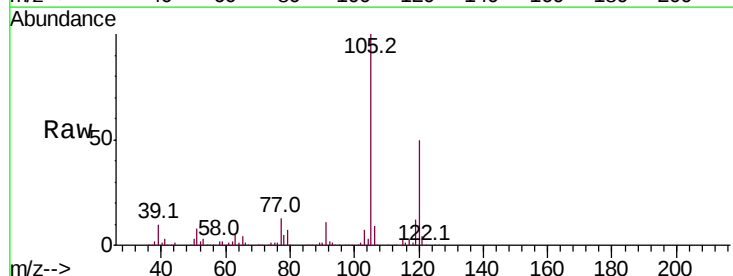
Acq: 10 Dec 2018 14:59

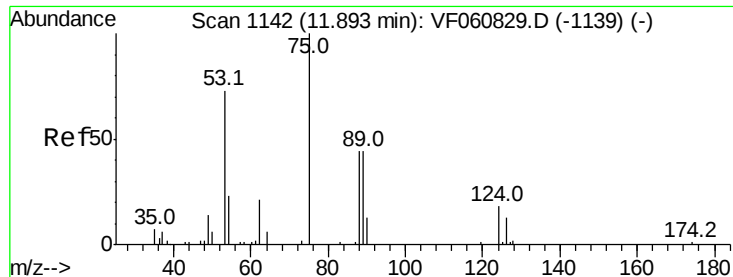
Tgt Ion:105 Resp: 237089

Ion Ratio Lower Upper

105 100

120 49.8 25.8 77.3

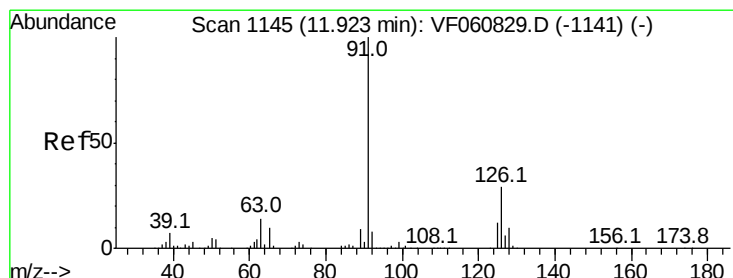
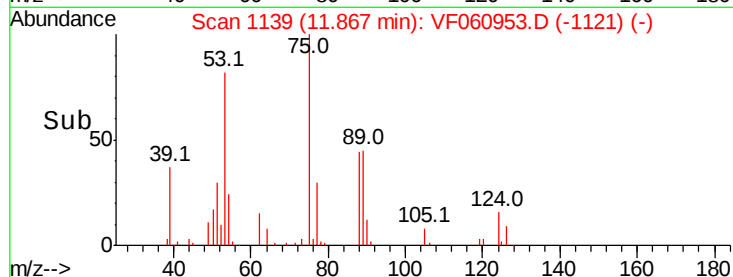
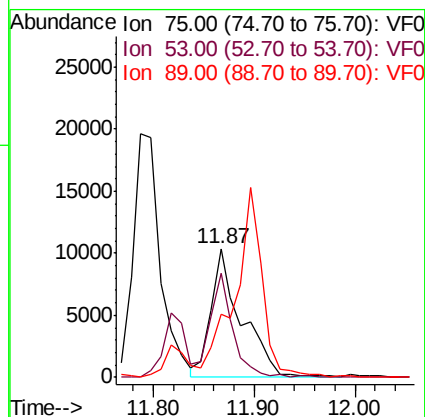
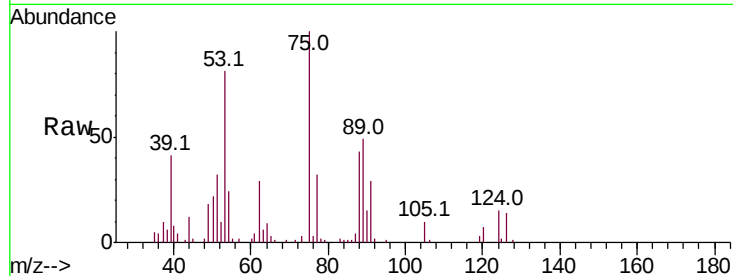




#81
trans-1,4-Dichloro-2-butene
Concen: 31.148 ug/l
RT: 11.87 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

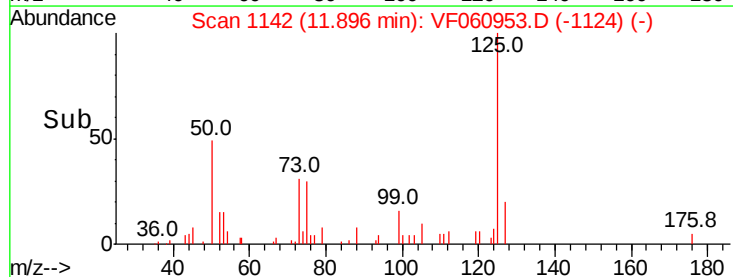
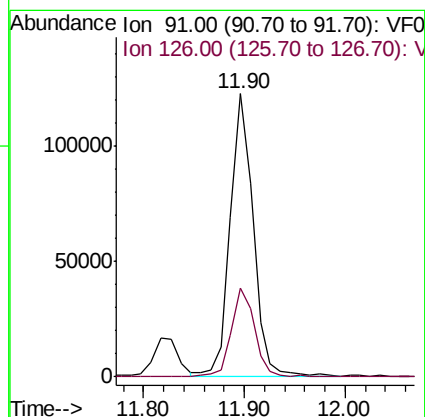
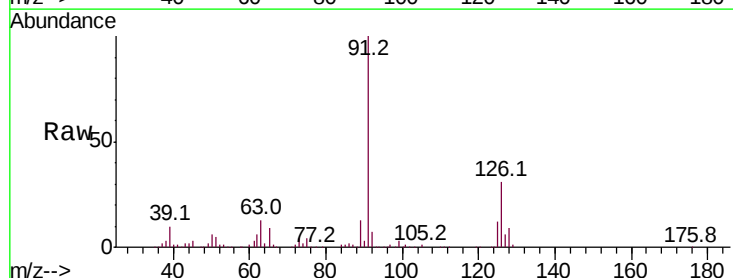
Instrument :
MSVOA_F
ClientSampled :

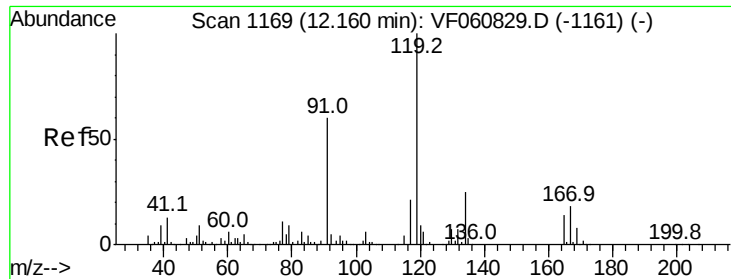
Tot Ion: 75 Resp: 22236
Ion Ratio Lower Upper
75 100
53 81.1 65.9 98.9
89 49.3 38.8 58.2



#82
4-Chlorotoluene
Concen: 22.378 ug/l
RT: 11.90 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion: 91 Resp: 192599
Ion Ratio Lower Upper
91 100
126 31.4 14.8 44.4

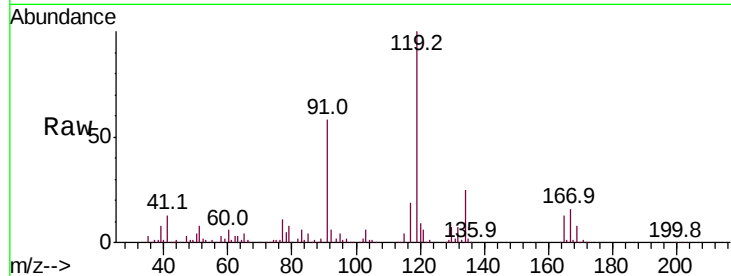




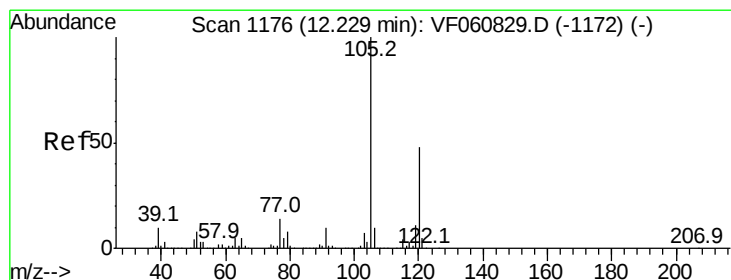
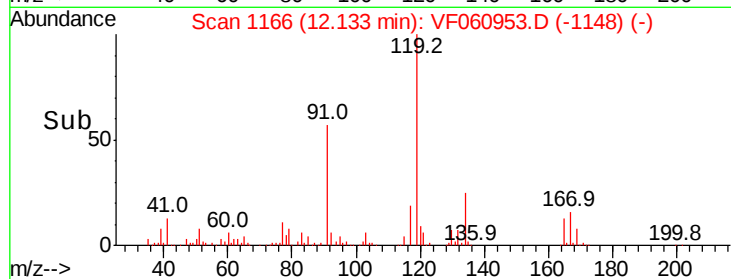
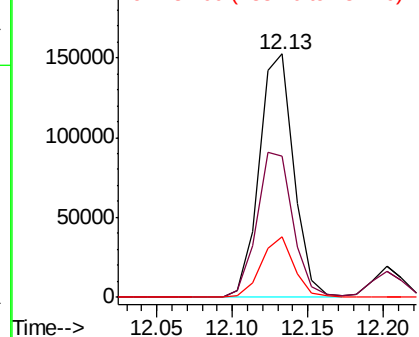
#83
tert-Butylbenzene
Concen: 24.229 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:119 Resp: 244031
Ion Ratio Lower Upper
119 100
91 58.1 30.1 90.3
134 24.7 12.6 37.8

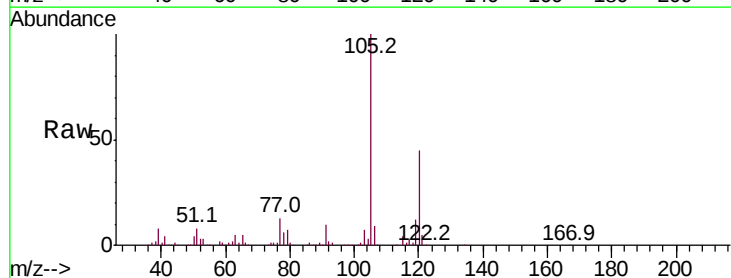


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

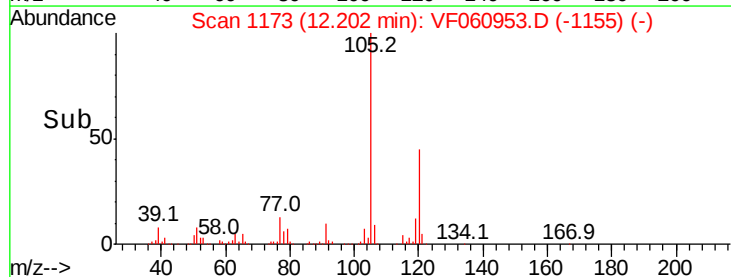
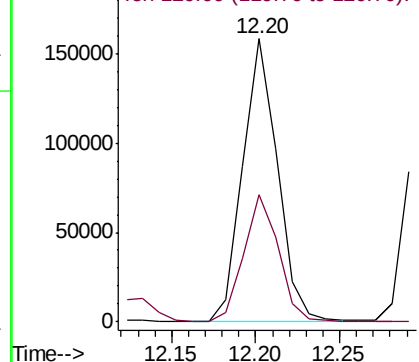


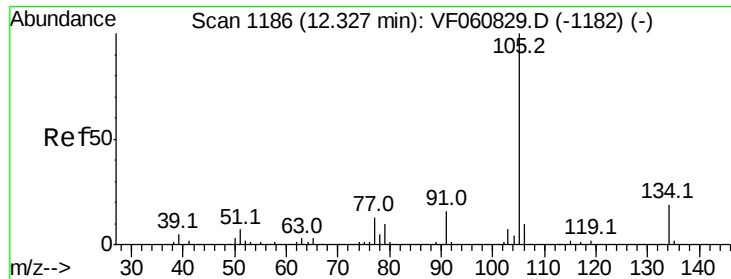
#84
1,2,4-Trimethylbenzene
Concen: 23.035 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion:105 Resp: 227310
Ion Ratio Lower Upper
105 100
120 44.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

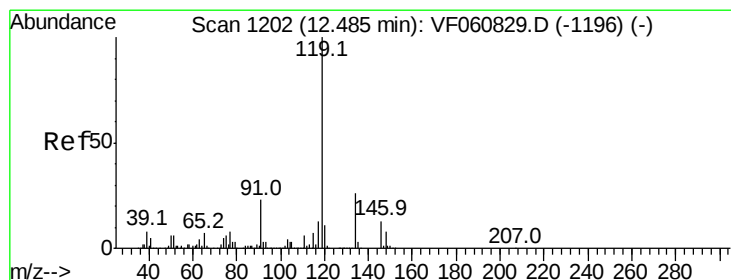
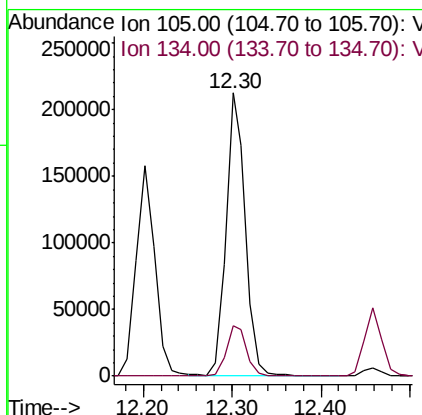
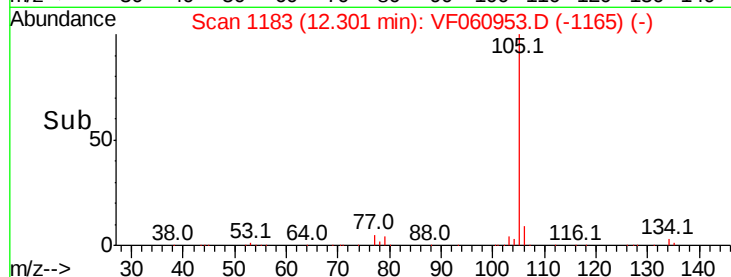
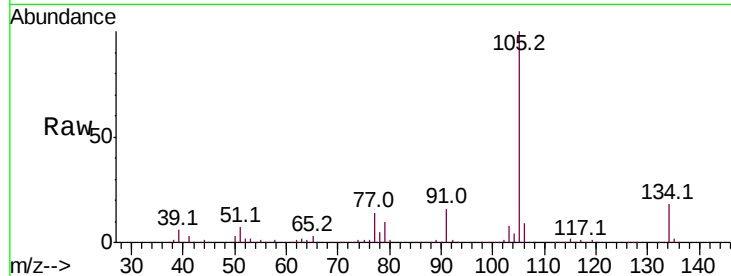




#85
 sec-Butylbenzene
 Concen: 23.590 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

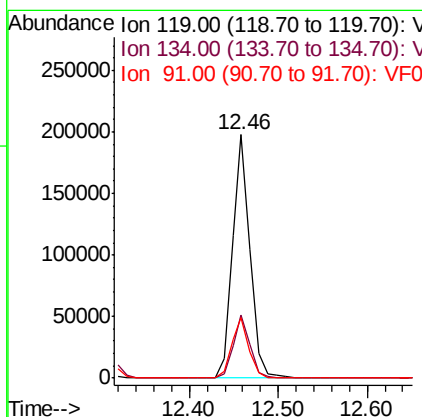
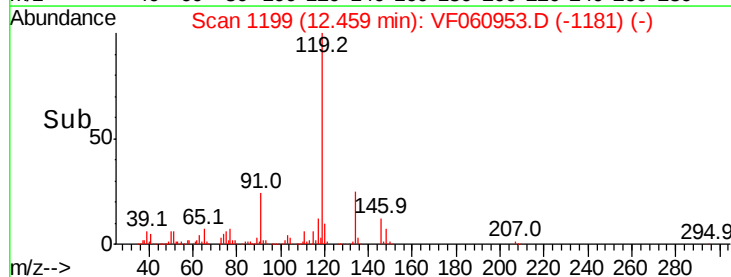
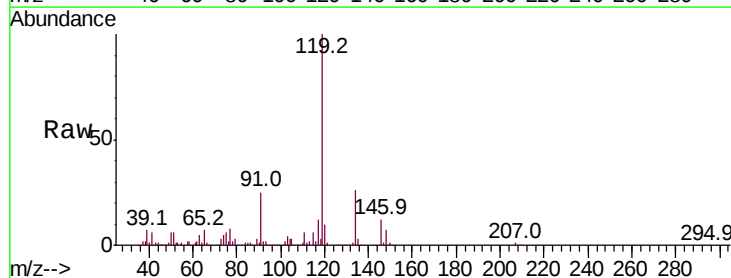
Instrument :
 MSVOA_F
 ClientSampled :

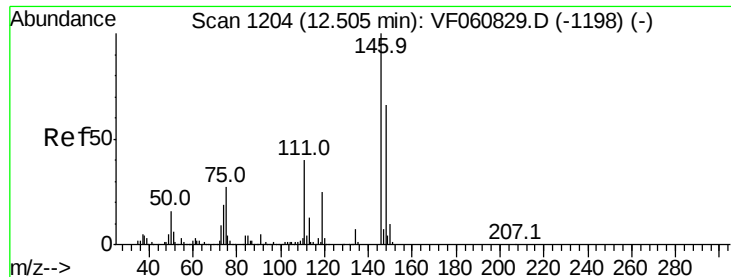
Tot Ion:105 Resp: 325255
 Ion Ratio Lower Upper
 105 100
 134 17.6 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 23.665 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

Tgt Ion:119 Resp: 273554
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 24.9 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 22.789 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.04 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampled :

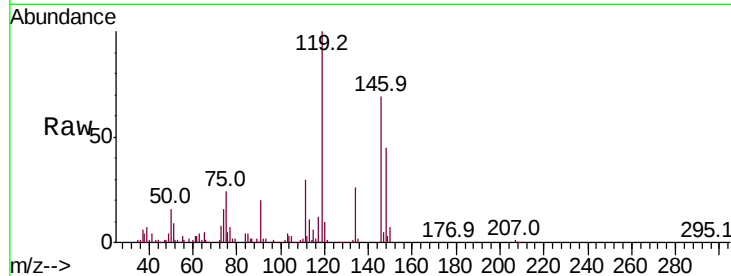
Tot Ion:146 Resp: 115748

Ion Ratio Lower Upper

146 100

111 43.9 20.0 59.9

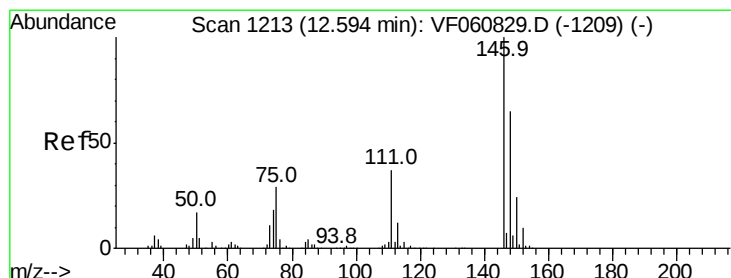
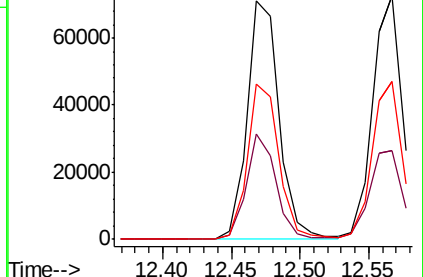
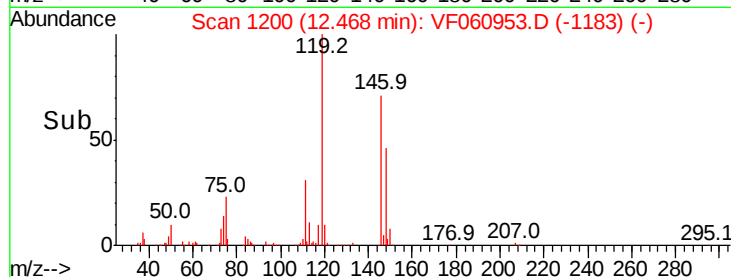
148 65.0 32.9 98.6



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



#88

1,4-Dichlorobenzene

Concen: 22.726 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

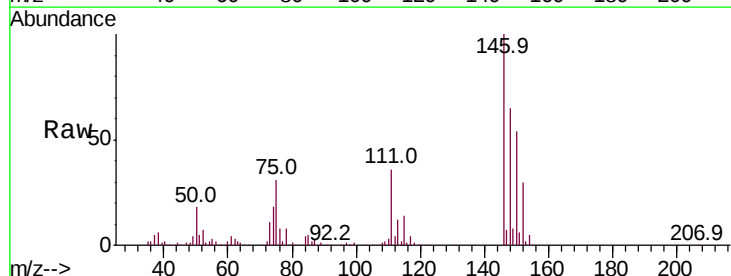
Tgt Ion:146 Resp: 112489

Ion Ratio Lower Upper

146 100

111 36.3 18.9 56.7

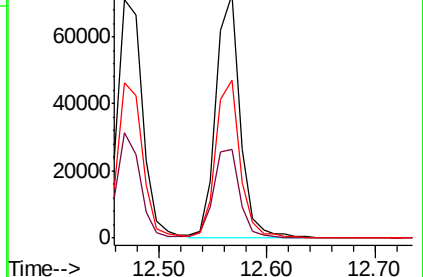
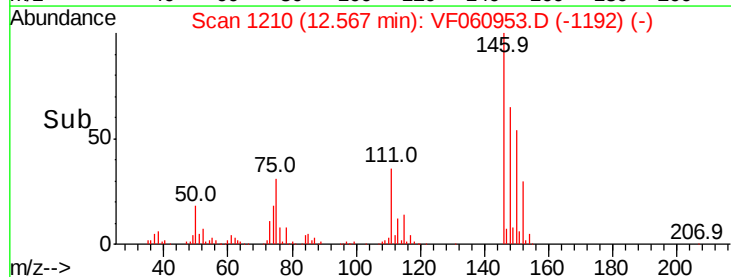
148 64.7 32.3 96.9

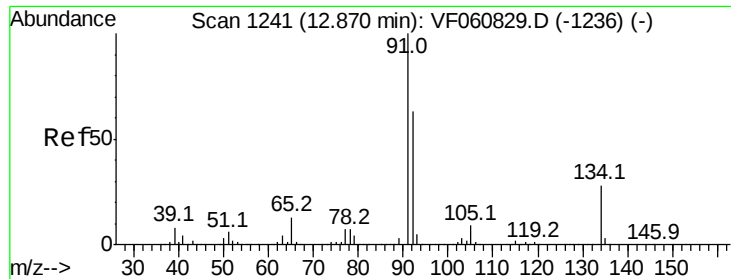


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

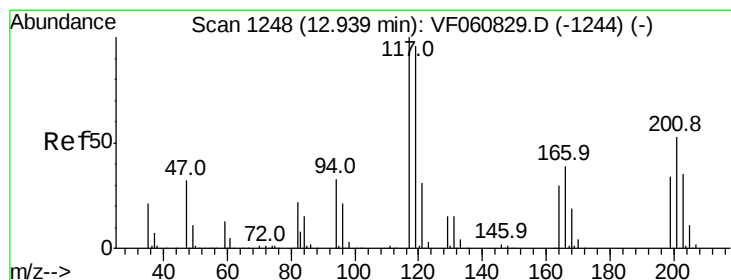
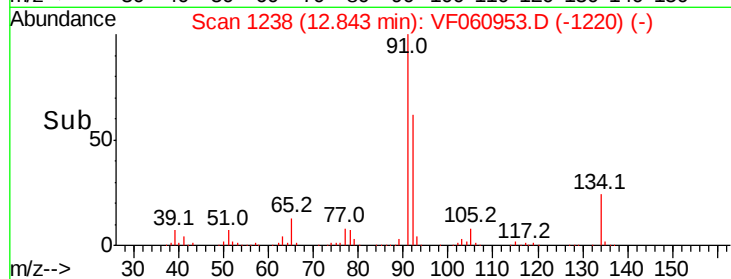
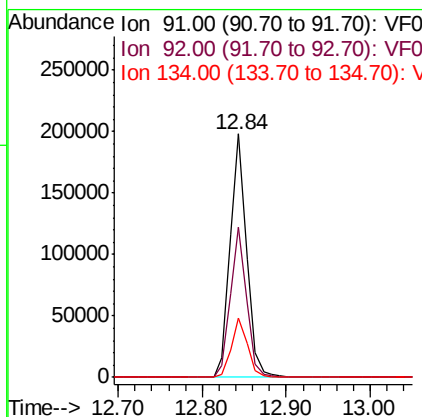
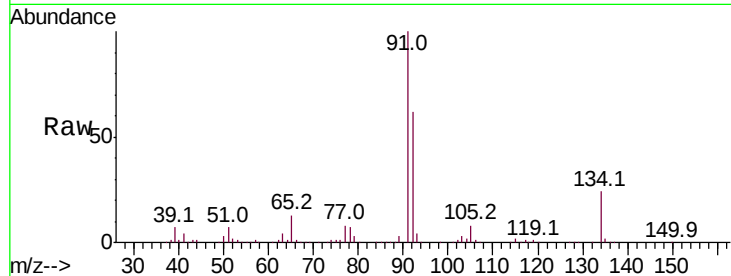




#89
n-Butylbenzene
Concen: 23.157 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

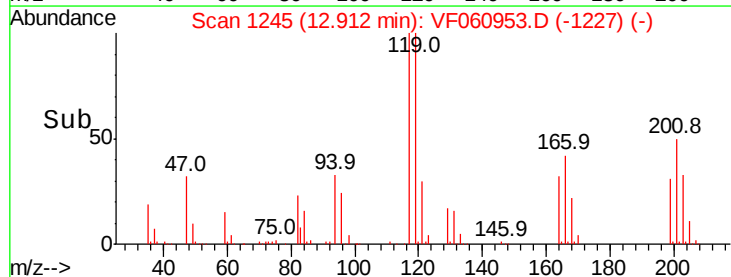
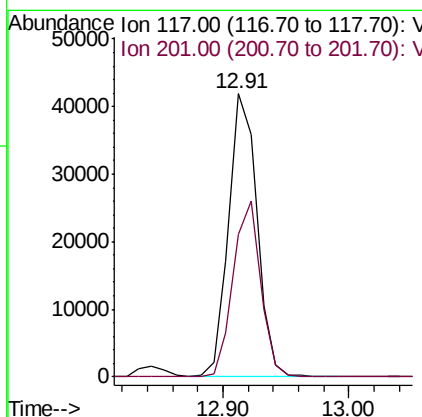
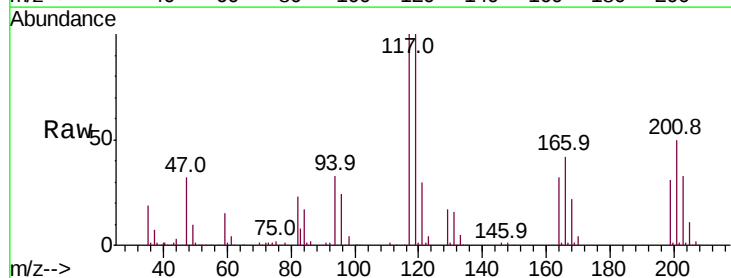
Instrument :
MSVOA_F
ClientSampleId :

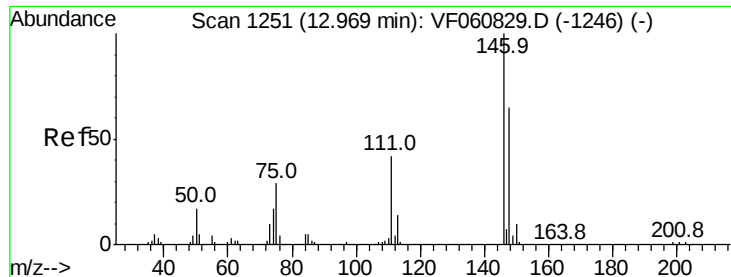
Tot Ion: 91 Resp: 270667
Ion Ratio Lower Upper
91 100
92 61.7 31.6 94.7
134 24.2 13.8 41.4



#90
Hexachloroethane
Concen: 23.458 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion: 117 Resp: 65296
Ion Ratio Lower Upper
117 100
201 50.4 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 22.717 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

Instrument :

MSVOA_F

ClientSampleId :

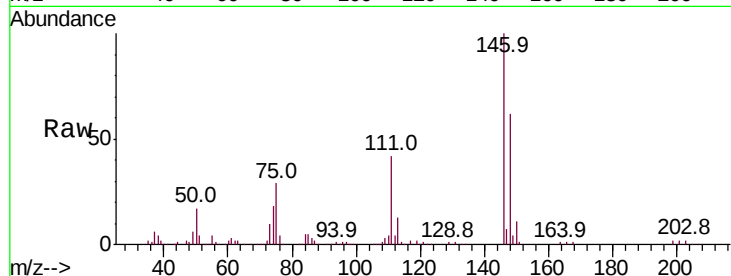
Tot Ion:146 Resp: 109267

Ion Ratio Lower Upper

146 100

111 41.8 21.2 63.6

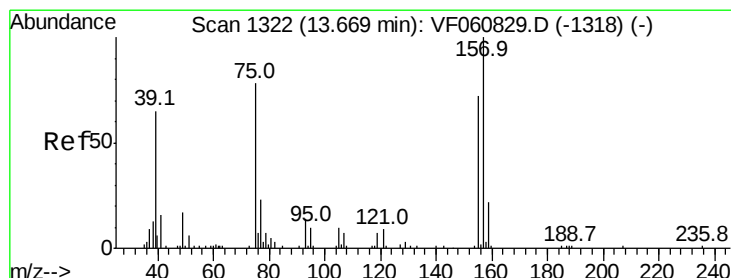
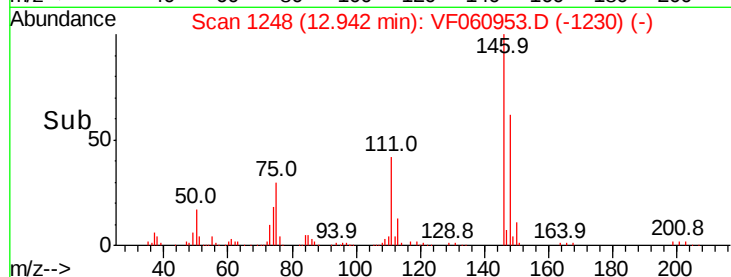
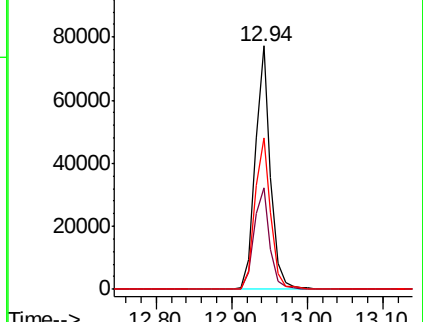
148 62.1 32.5 97.5



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: 22.820 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VF060953.D

Acq: 10 Dec 2018 14:59

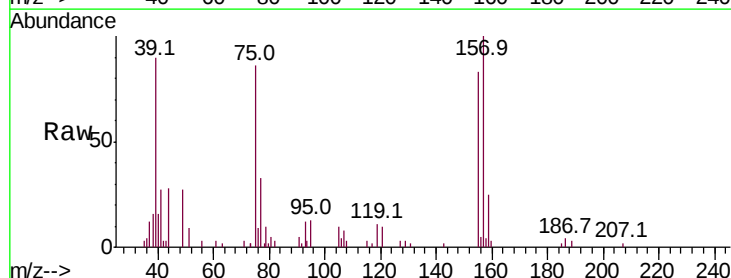
Tgt Ion: 75 Resp: 8844

Ion Ratio Lower Upper

75 100

155 97.5 45.6 136.9

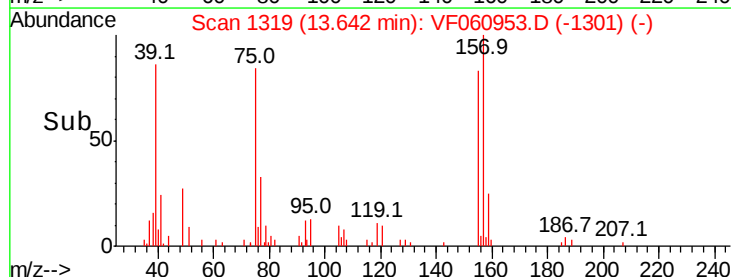
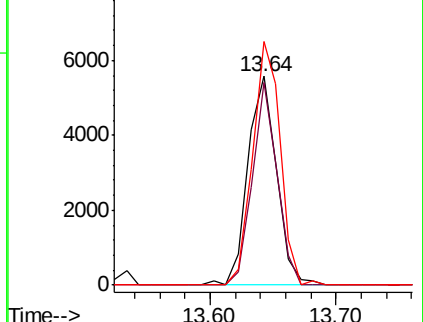
157 116.7 63.8 191.5

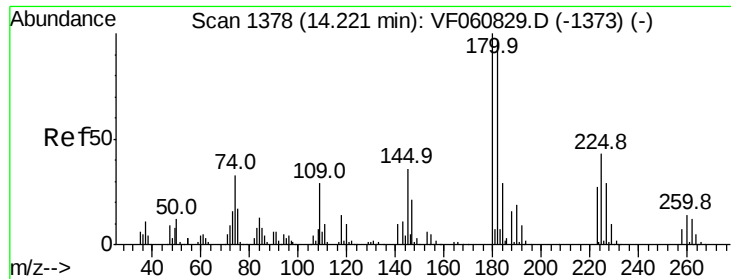


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

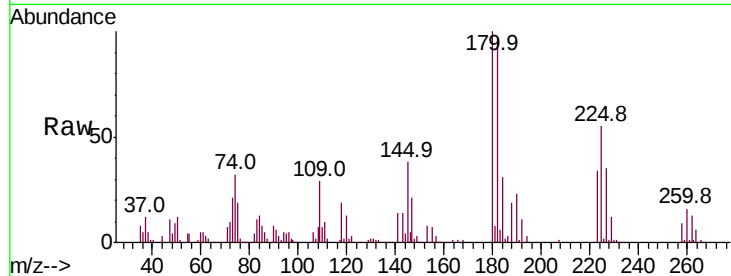




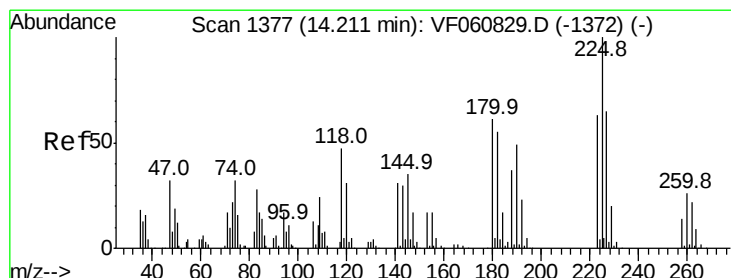
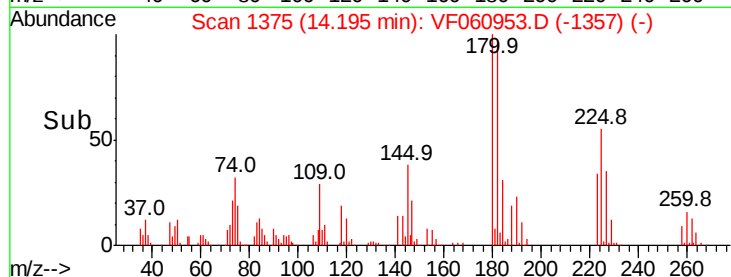
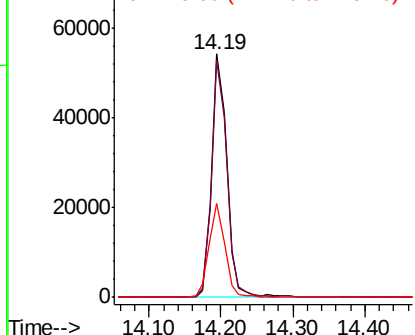
#93
 1,2,4-Trichlorobenzene
 Concen: 23.694 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 79631
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.5 145.5
 145 38.4 18.1 54.3

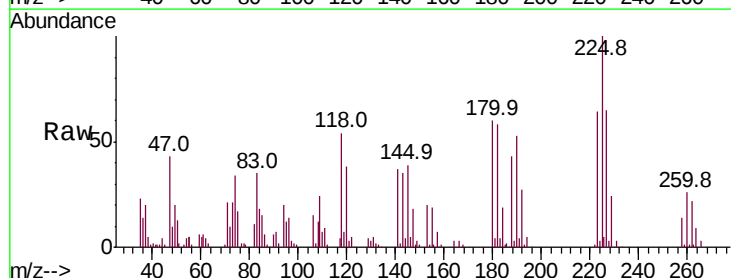


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

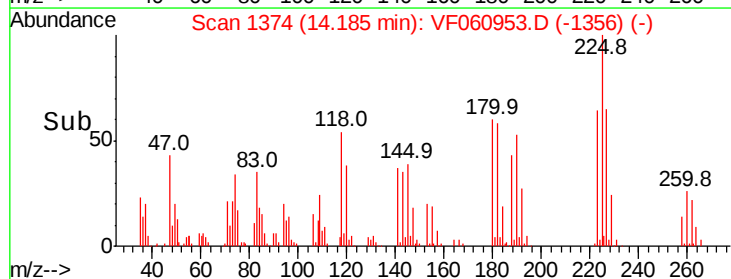
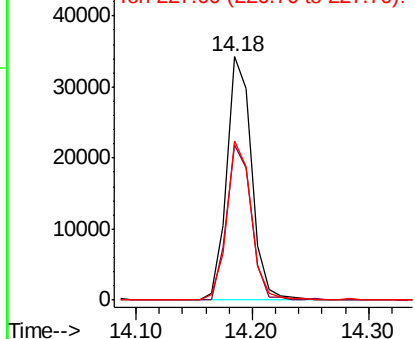


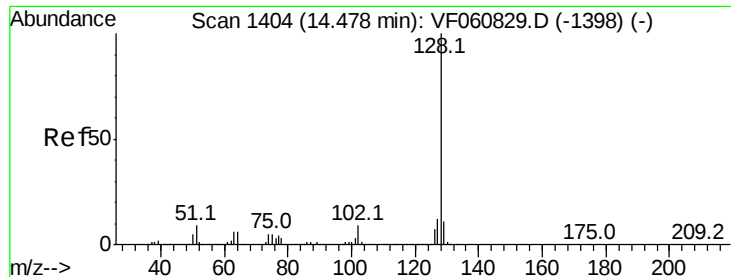
#94
 Hexachlorobutadiene
 Concen: 22.757 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060953.D
 Acq: 10 Dec 2018 14:59

Tgt Ion:225 Resp: 50985
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.4 94.3
 227 65.3 32.5 97.5



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

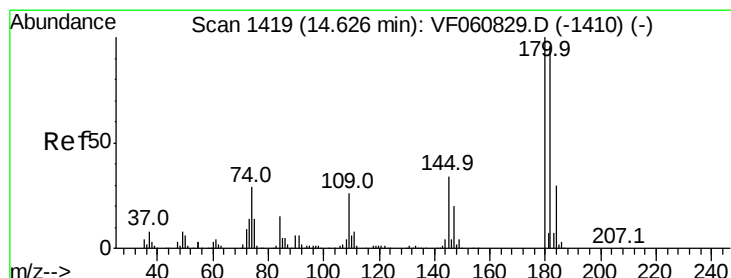
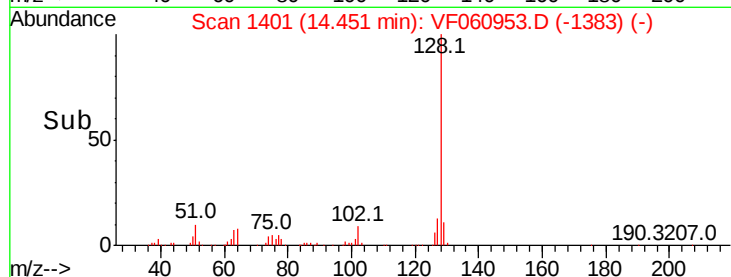
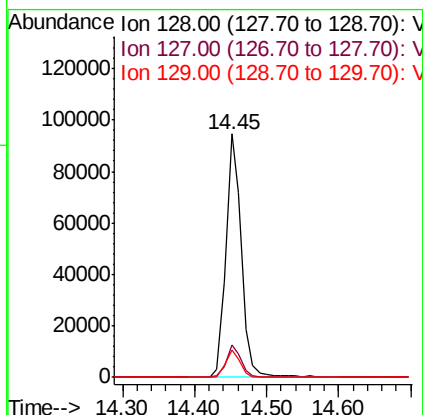
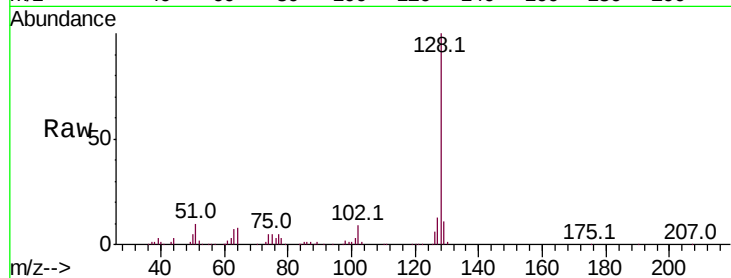




#95
Naphthalene
Concen: 19.391 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 140463
Ion Ratio Lower Upper
128 100
127 13.2 9.9 14.9
129 11.3 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 23.855 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF060953.D
Acq: 10 Dec 2018 14:59

Tgt Ion:180 Resp: 74442
Ion Ratio Lower Upper
180 100
182 94.9 47.9 143.8
145 34.1 17.2 51.5

