

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121918\
 Data File : VF061077.D
 Acq On : 19 Dec 2018 11:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 20 02:20:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	241924	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	398718	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	375937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	168629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	146489	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	4.11	113	155661	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	7.54	98	451482	49.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.41	95	205784	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	230825	42.922	ug/l	99
3) Chloromethane	1.10	50	151064	49.039	ug/l	96
4) Vinyl Chloride	1.14	62	135504	47.418	ug/l	93
5) Bromomethane	1.34	94	92638	46.738	ug/l	100
6) Chloroethane	1.39	64	63177	47.980	ug/l #	86
7) Trichlorofluoromethane	1.49	101	251163	46.031	ug/l	96
8) Diethyl Ether	1.62	74	35851	47.982	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	124259	43.922	ug/l	94
10) Methyl Iodide	1.90	142	173330	38.868	ug/l	91
11) Tert butyl alcohol	2.57	59	28083	223.655	ug/l	98
12) 1,1-Dichloroethene	1.78	96	100121	46.949	ug/l	97
13) Acrolein	2.00	56	24443	269.398	ug/l	89
14) Allyl chloride	2.09	41	125960	56.757	ug/l	88
15) Acrylonitrile	2.94	53	71411	245.945	ug/l	98
16) Acetone	2.24	43	157407	253.052	ug/l	93
17) Carbon Disulfide	1.83	76	310997	48.257	ug/l	96
18) Methyl Acetate	2.34	43	58259	45.270	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	220438	46.569	ug/l	93
20) Methylene Chloride	2.25	84	63495	30.161	ug/l	90
21) trans-1,2-Dichloroethene	2.30	96	79203	34.725	ug/l	84
22) Diisopropyl ether	2.80	45	358561	48.504	ug/l	92
23) Vinyl Acetate	3.18	43	867968	254.514	ug/l	99
24) 1,1-Dichloroethane	2.87	63	203276	46.410	ug/l	99
25) 2-Butanone	4.33	43	241144	239.035	ug/l	98
26) 2,2-Dichloropropane	3.60	77	119224	47.432	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	164211	47.027	ug/l	93
28) Bromochloromethane	3.71	49	113154	50.915	ug/l	93
29) Tetrahydrofuran	4.07	42	95152	231.738	ug/l	99
30) Chloroform	3.85	83	294410	44.829	ug/l	100
31) Cyclohexane	3.69	56	129605	28.516	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	176204	44.763	ug/l	97
36) 1,1-Dichloropropene	4.27	75	233468	48.510	ug/l	99
37) Ethyl Acetate	4.11	43	88318	46.629	ug/l	94
38) Carbon Tetrachloride	3.98	117	173077	47.222	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	235746	54.600	ug/l	97
40) Benzene	4.62	78	496462	47.967	ug/l	97
41) Methacrylonitrile	4.74	41	47445	46.679	ug/l	97
42) 1,2-Dichloroethane	4.94	62	173996	44.254	ug/l	97
43) Isopropyl Acetate	6.95	43	111016	47.772	ug/l #	99
44) Trichloroethene	5.49	130	156191	47.866	ug/l	96
45) 1,2-Dichloropropane	6.23	63	130009	46.170	ug/l	93
46) Dibromomethane	6.07	93	83138	45.522	ug/l	94
47) Bromodichloromethane	6.38	83	220937	46.559	ug/l	97
48) Methyl methacrylate	6.71	41	76856	47.375	ug/l	95
49) 1,4-Dioxane	6.70	88	10984	933.109	ug/l #	83
51) 4-Methyl-2-Pentanone	8.25	43	377630	236.943	ug/l	96
52) Toluene	7.62	92	318414	46.476	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	184217	48.122	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	235187	48.951	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	96583	47.025	ug/l	95
56) Ethyl methacrylate	8.62	69	110407	49.678	ug/l	98
57) 1,3-Dichloropropane	8.84	76	180229	48.518	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	105778	247.819	ug/l	98
59) 2-Hexanone	9.49	43	290572	252.108	ug/l	97
60) Dibromochloromethane	8.71	129	138698	47.110	ug/l	95
61) 1,2-Dibromoethane	8.98	107	108244	49.347	ug/l	98
64) Tetrachloroethene	8.14	164	138939	48.044	ug/l	95
65) Chlorobenzene	9.79	112	361235	46.513	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	140439	44.250	ug/l	96
67) Ethyl Benzene	9.89	91	652978	46.151	ug/l	99
68) m/p-Xylenes	10.13	106	452016	90.779	ug/l	95
69) o-Xylene	10.71	106	259954	47.073	ug/l	88
70) Styrene	10.79	104	347730	51.855	ug/l	99
71) Bromoform	10.77	173	69324	47.212	ug/l #	95
73) Isopropylbenzene	11.12	105	719784	49.532	ug/l	100
74) N-amyl acetate	11.37	43	170782	52.935	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	120311	49.885	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	85509	47.642	ug/l	97
77) Bromobenzene	11.49	156	159835	51.095	ug/l	97
78) n-propylbenzene	11.59	91	848755	50.926	ug/l	99
79) 2-Chlorotoluene	11.71	91	484071	48.559	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	581693	48.613	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	57670	74.774	ug/l	90
82) 4-Chlorotoluene	11.89	91	495224	48.022	ug/l	99
83) tert-Butylbenzene	12.13	119	566595	46.016	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	572625	47.989	ug/l	99
85) sec-Butylbenzene	12.31	105	810953	50.468	ug/l	95
86) p-Isopropyltoluene	12.45	119	668288	50.105	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	287816	57.147	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	276458	48.129	ug/l	97
89) n-Butylbenzene	12.84	91	664850	49.152	ug/l	98
90) Hexachloroethane	12.92	117	165001	50.072	ug/l	76
91) 1,2-Dichlorobenzene	12.94	146	274780	49.135	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22360	50.523	ug/l	96

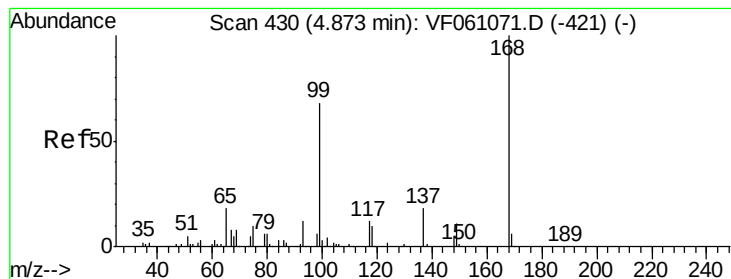
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	196581	49.566	ug/l	94
94) Hexachlorobutadiene	14.19	225	131044	51.878	ug/l	97
95) Naphthalene	14.46	128	383949	53.016	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	186215	50.789	ug/l	96

(#) = 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. -0.01 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

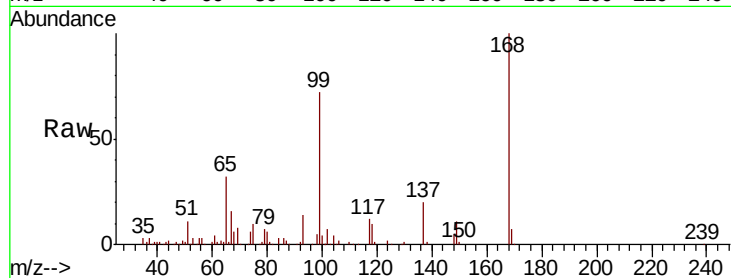
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 241924

Ion Ratio Lower Upper

168 100

99 72.1 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

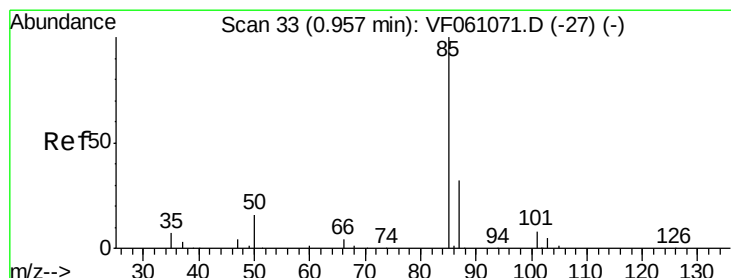
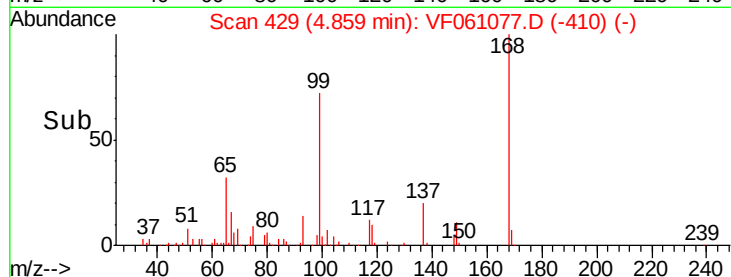
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 42.922 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061077.D

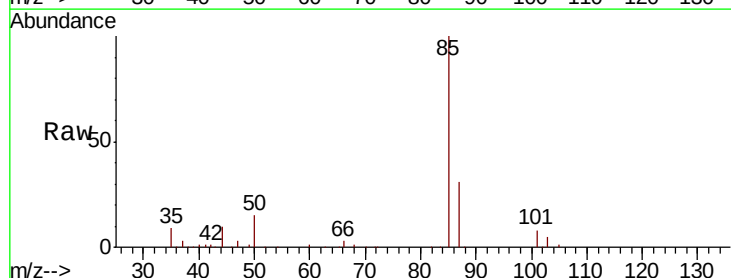
Acq: 19 Dec 2018 11:05

Tgt Ion: 85 Resp: 230825

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

60000

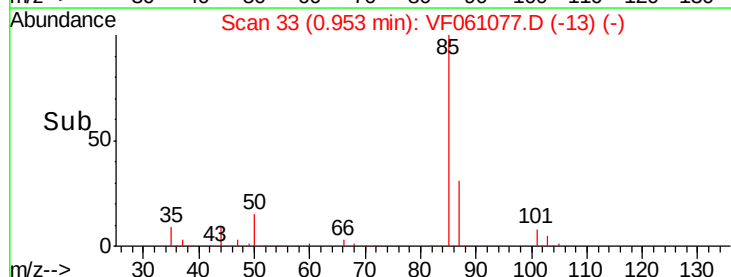
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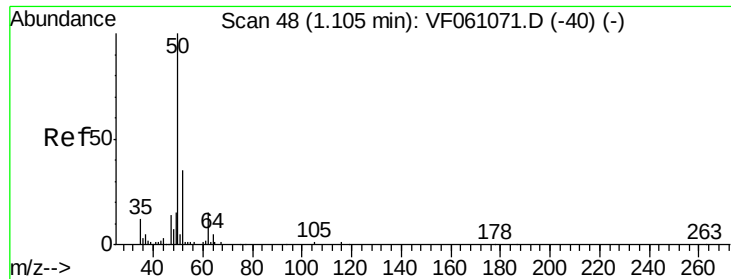
20000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 49.039 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

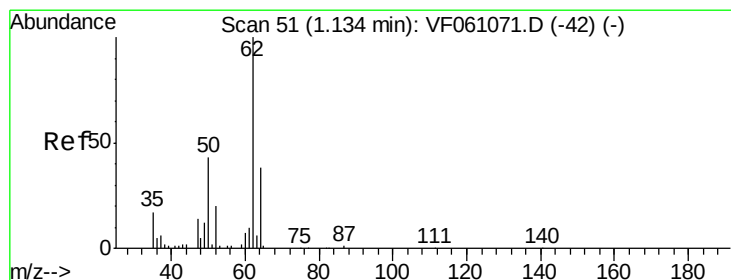
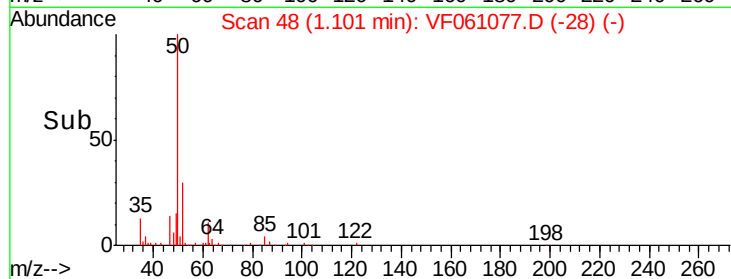
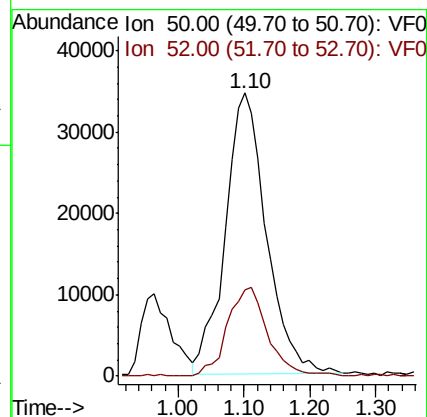
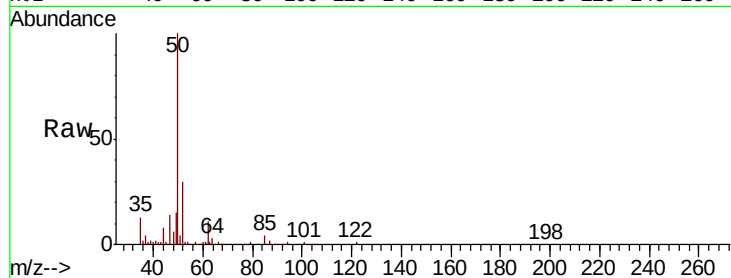
ClientSampleId :

Tot Ion: 50 Resp: 151064

Ion Ratio Lower Upper

50 100

52 30.4 26.3 39.5



#4

Vinyl Chloride

Concen: 47.418 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061077.D

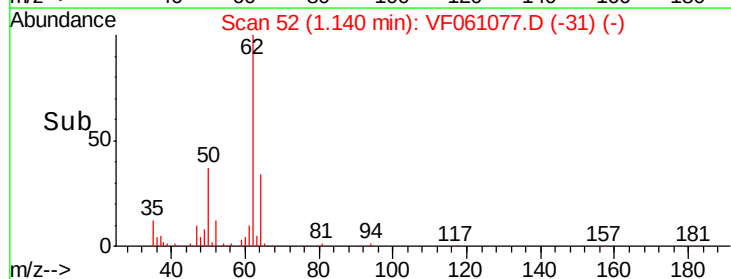
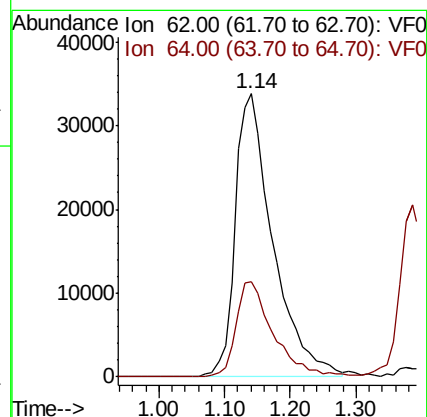
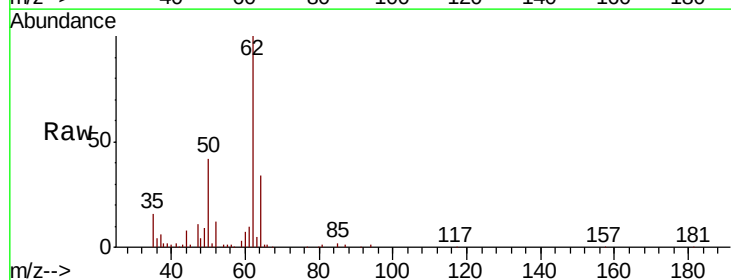
Acq: 19 Dec 2018 11:05

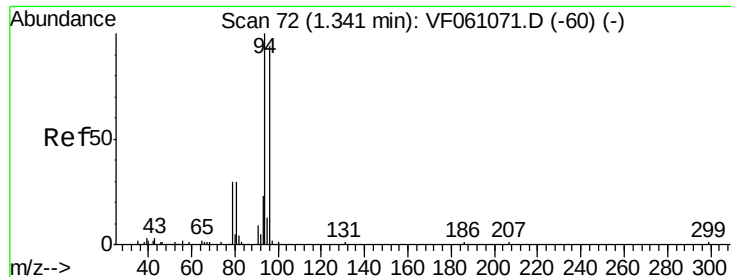
Tgt Ion: 62 Resp: 135504

Ion Ratio Lower Upper

62 100

64 33.6 30.4 45.6





#5

Bromomethane

Concen: 46.738 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

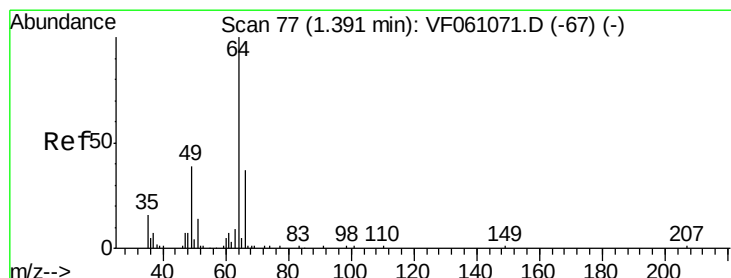
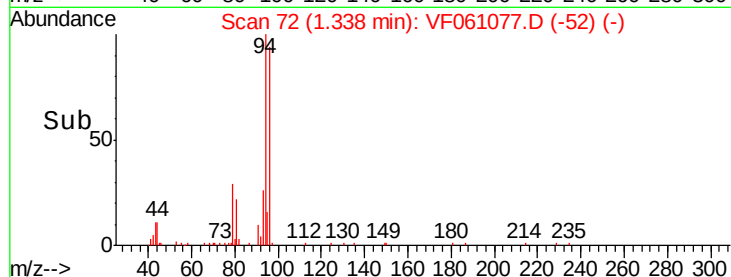
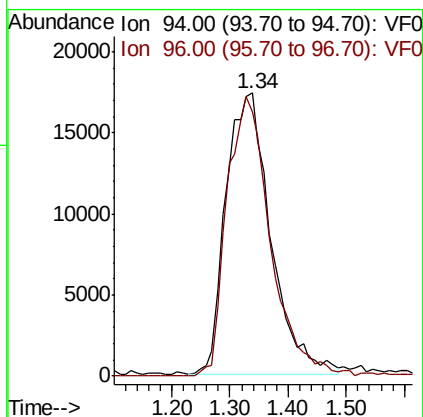
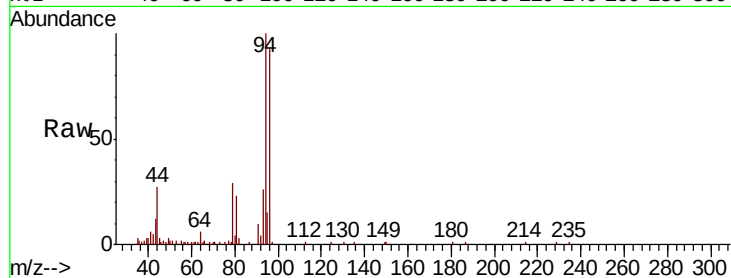
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 92638

Ion Ratio Lower Upper

94 100

96 93.4 74.4 111.6



#6

Chloroethane

Concen: 47.980 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061077.D

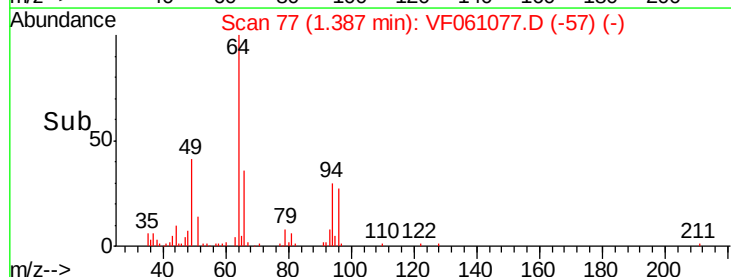
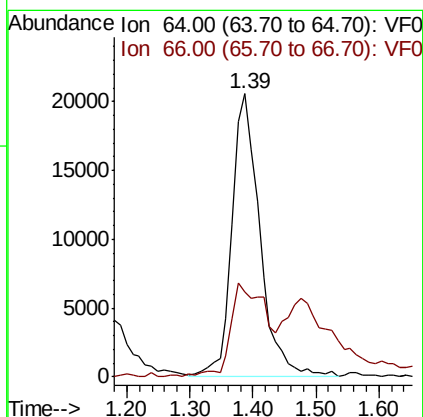
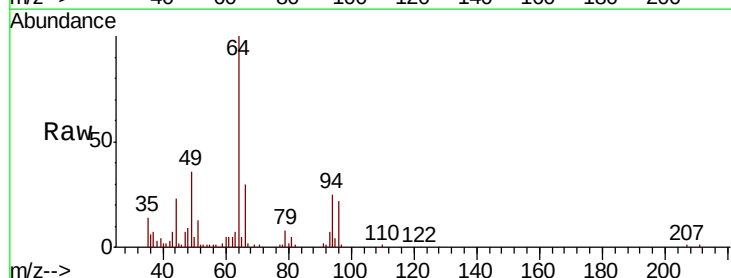
Acq: 19 Dec 2018 11:05

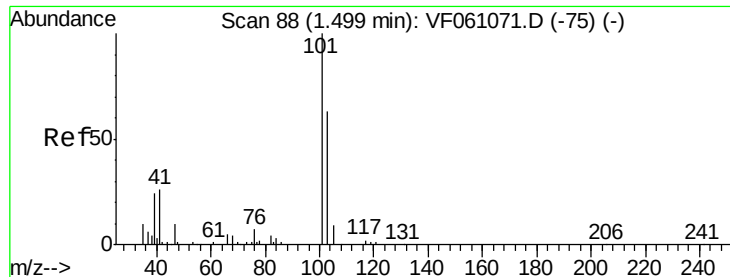
Tgt Ion: 64 Resp: 63177

Ion Ratio Lower Upper

64 100

66 29.9 30.9 46.3#



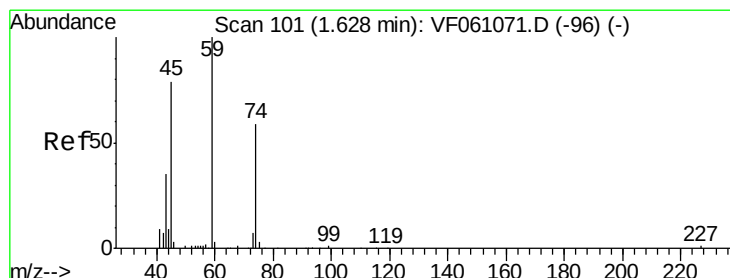
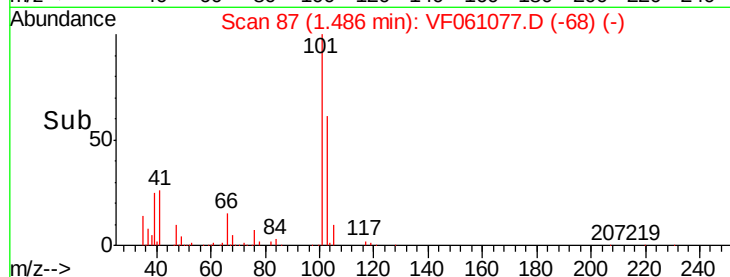
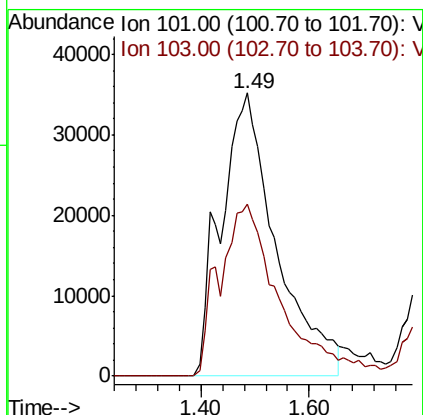
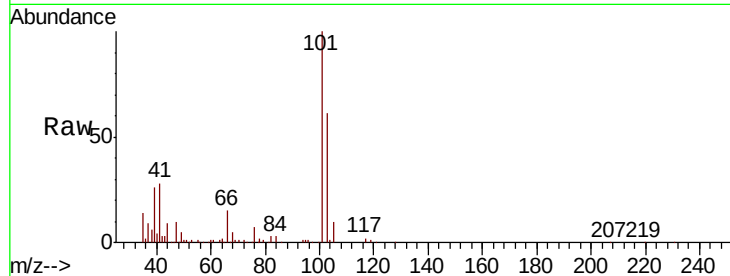


#7

Trichlorofluoromethane
Concen: 46.031 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

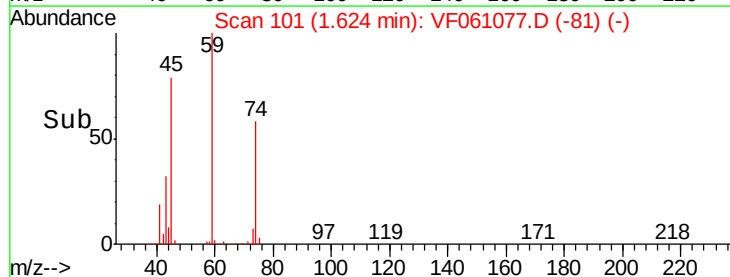
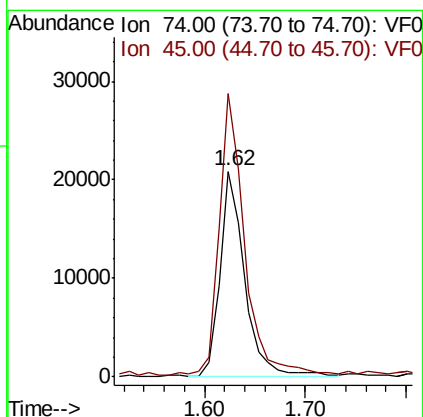
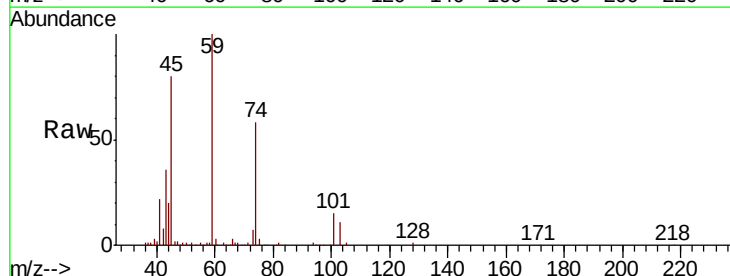
Tot Ion:101 Resp: 251163
Ion Ratio Lower Upper
101 100
103 60.6 50.7 76.1

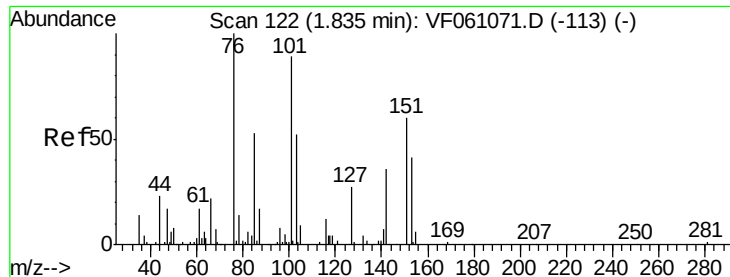


#8

Diethyl Ether
Concen: 47.982 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 74 Resp: 35851
Ion Ratio Lower Upper
74 100
45 137.5 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.922 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

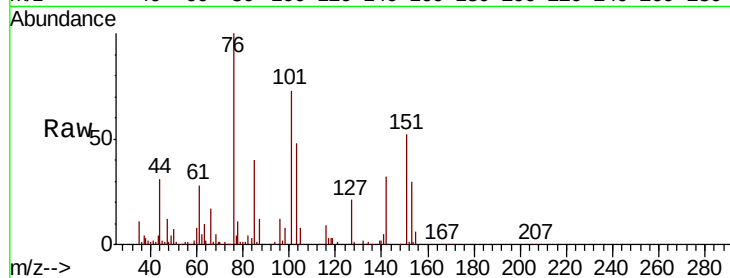
Tot Ion:101 Resp: 124259

Ion Ratio Lower Upper

101 100

85 55.4 44.5 66.7

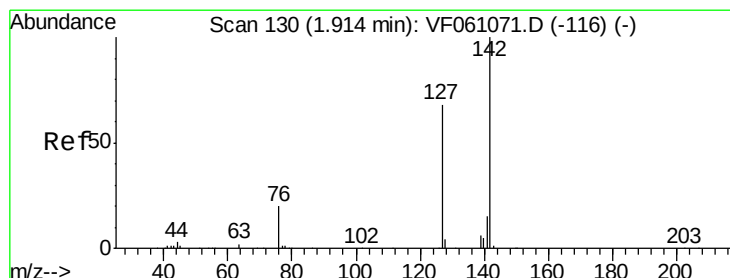
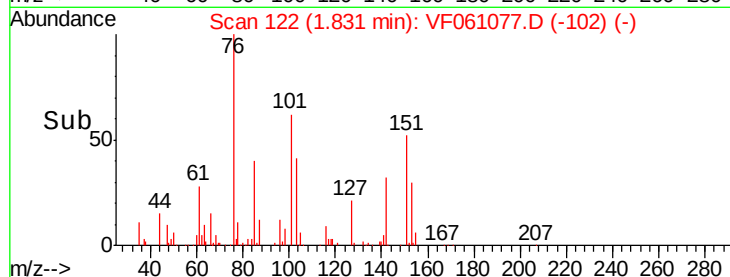
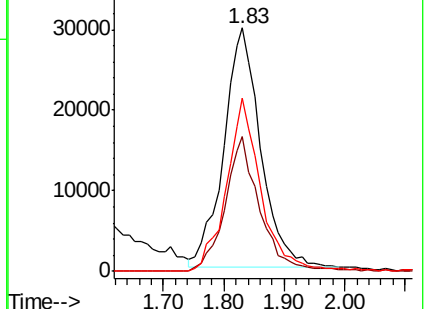
151 71.4 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 38.868 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

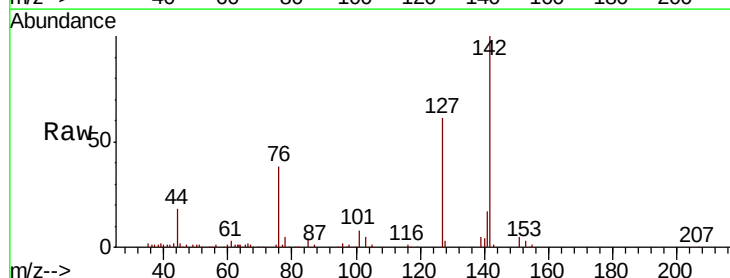
Tgt Ion:142 Resp: 173330

Ion Ratio Lower Upper

142 100

127 60.7 54.7 82.1

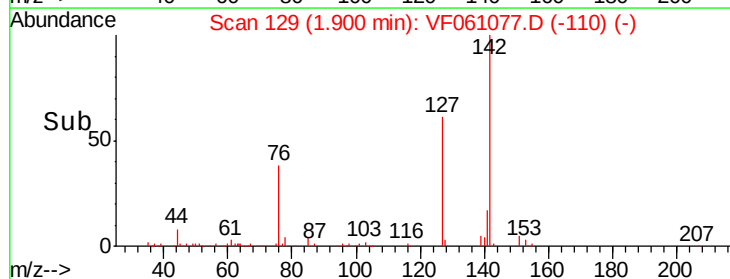
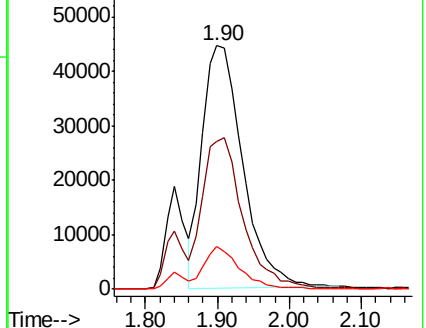
141 17.4 12.2 18.2

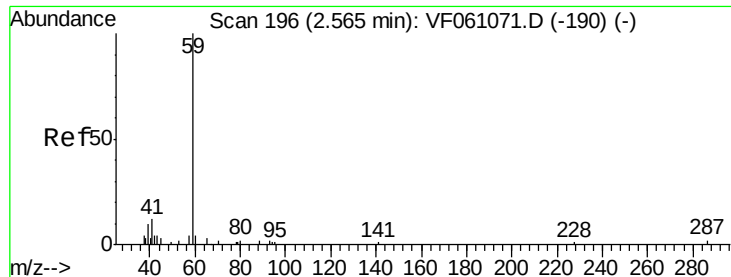


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

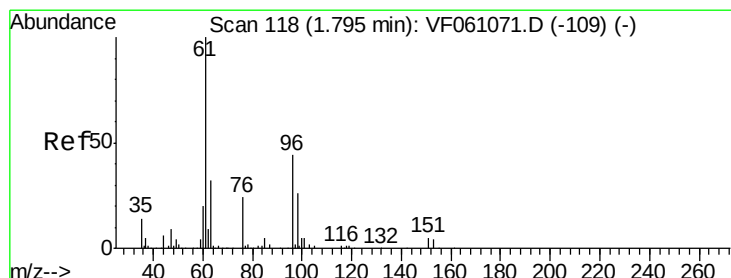
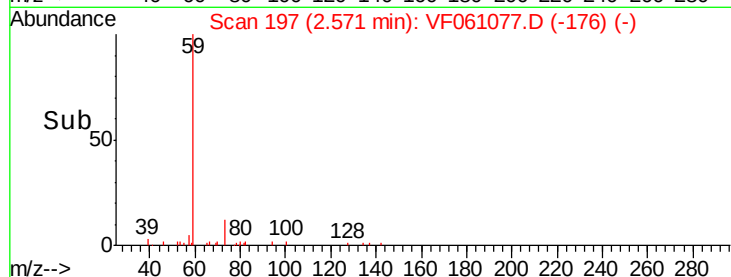
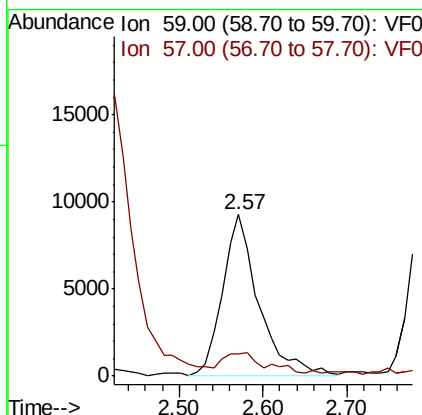
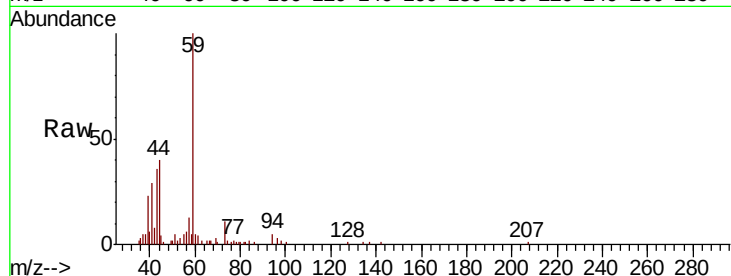




#11
Tert butyl alcohol
Concen: 223.655 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

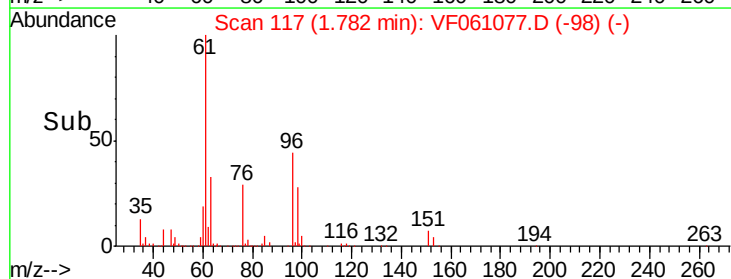
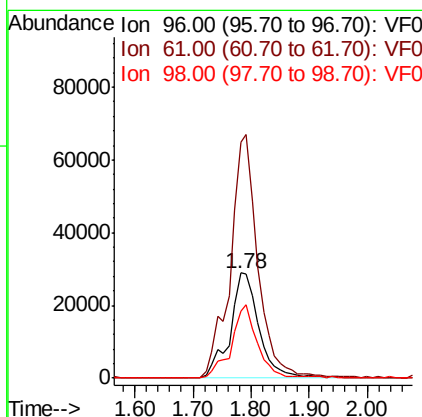
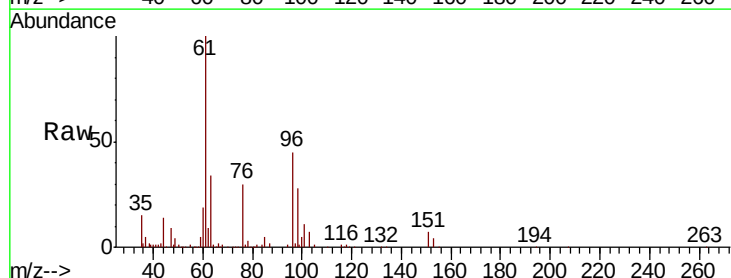
Instrument :
MSVOA_F
ClientSampleId :

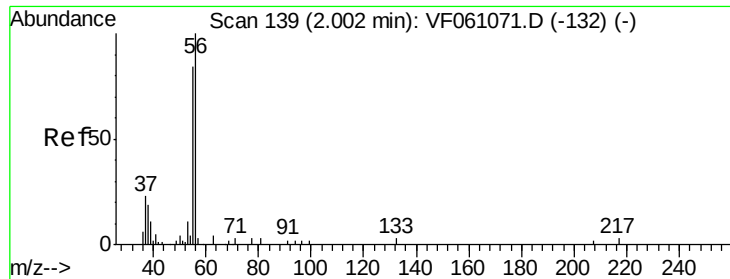
Tot Ion: 59 Resp: 28083
Ion Ratio Lower Upper
59 100
57 13.4 11.5 17.3



#12
1,1-Dichloroethene
Concen: 46.949 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 96 Resp: 100121
Ion Ratio Lower Upper
96 100
61 223.9 182.0 273.0
98 63.8 46.5 69.7





#13

Acrolein

Concen: 269.398 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

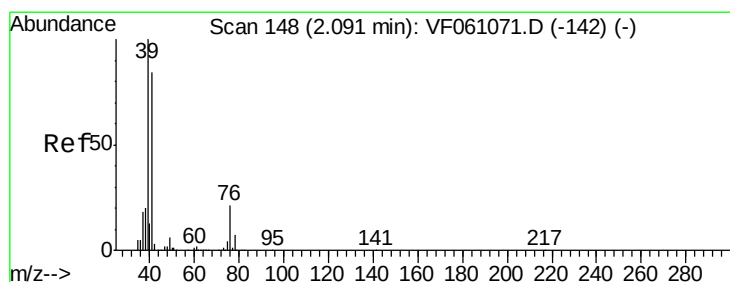
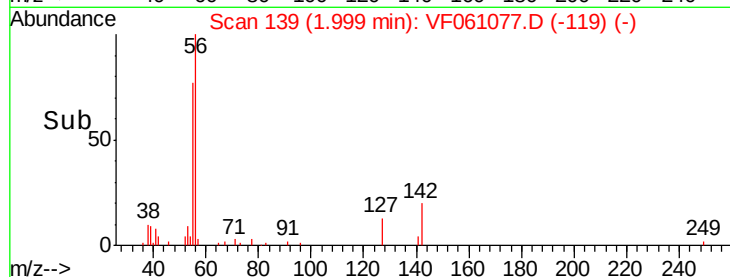
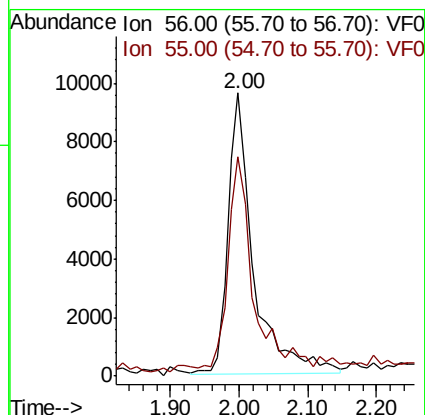
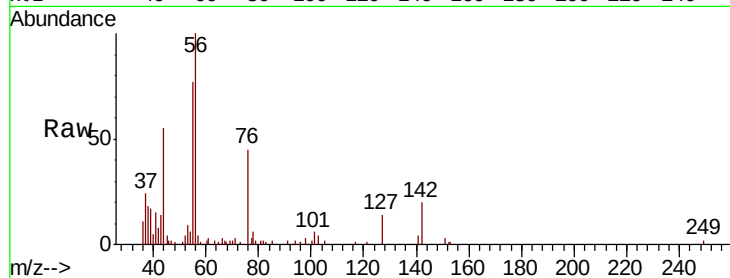
ClientSampled :

Tot Ion: 56 Resp: 24443

Ion Ratio Lower Upper

56 100

55 77.4 70.2 105.2



#14

Allyl chloride

Concen: 56.757 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

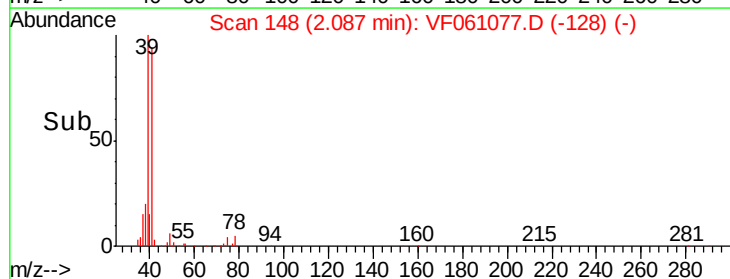
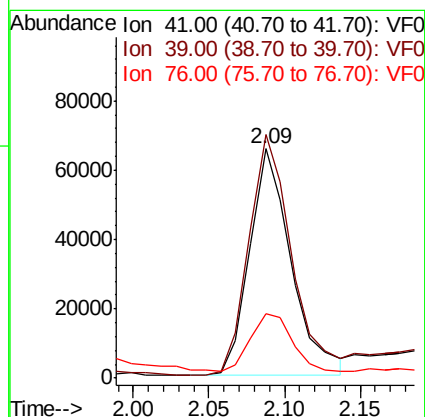
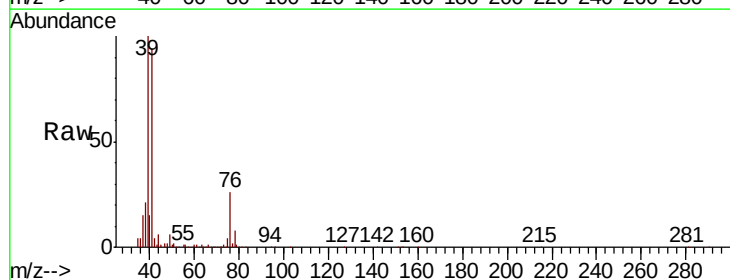
Tgt Ion: 41 Resp: 125960

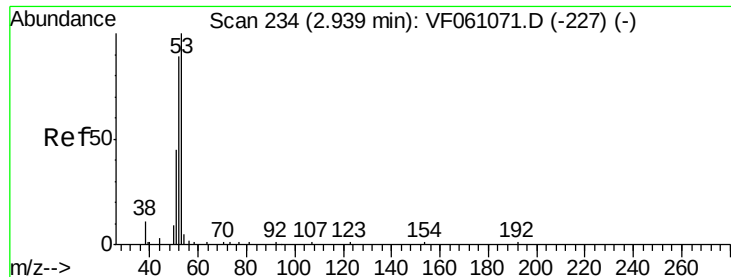
Ion Ratio Lower Upper

41 100

39 106.1 96.4 144.6

76 27.9 25.4 38.0





#15

Acrylonitrile

Concen: 245.945 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

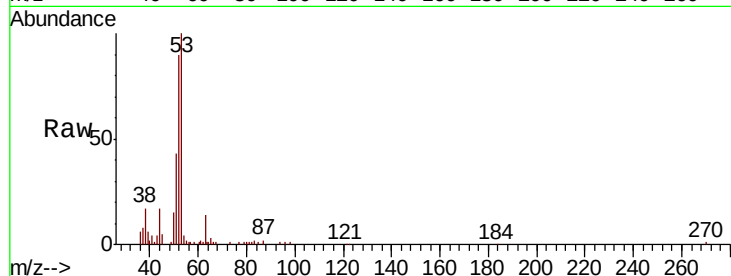
Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 71411

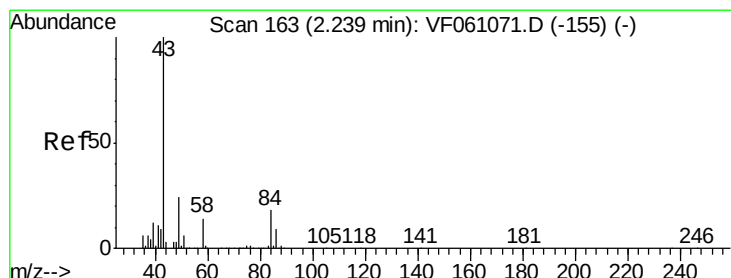
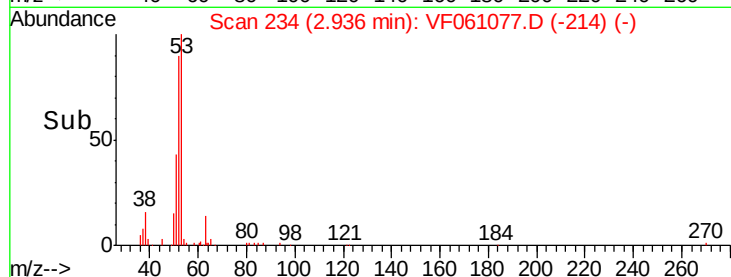
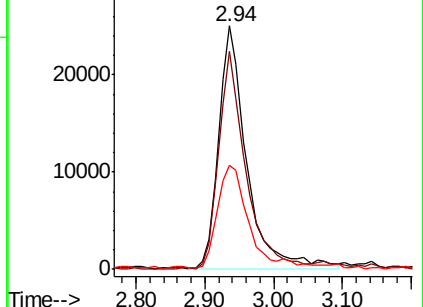
Ion	Ratio	Lower	Upper
53	100		
52	89.6	71.3	106.9
51	43.0	36.8	55.2



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: 253.052 ug/l

RT: 2.24 min Scan# 163

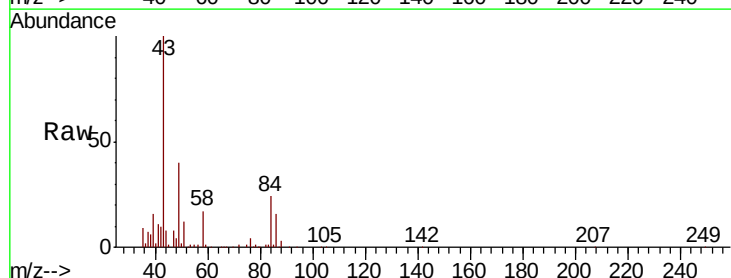
Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

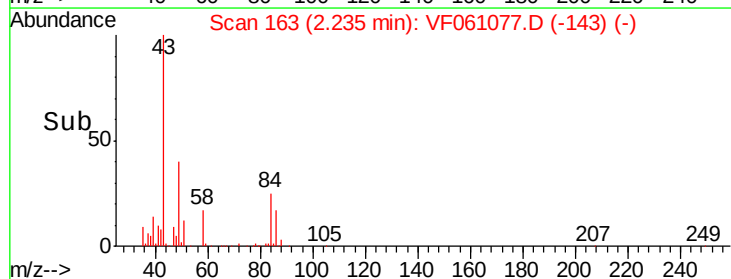
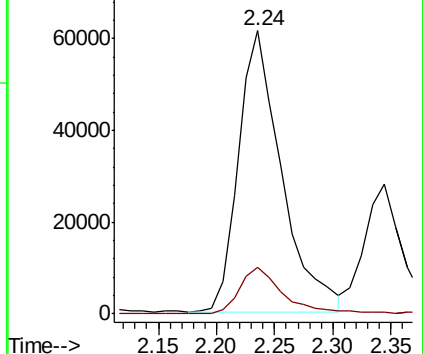
Tgt Ion: 43 Resp: 157407

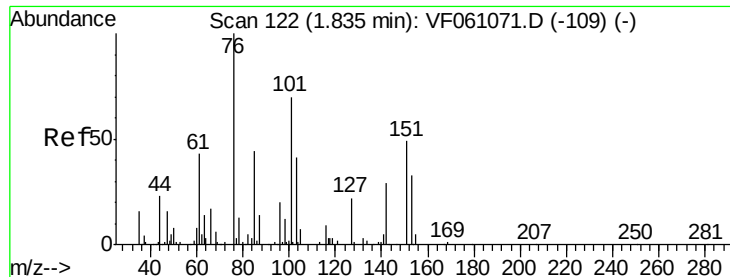
Ion	Ratio	Lower	Upper
43	100		
58	16.7	11.1	16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 48.257 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

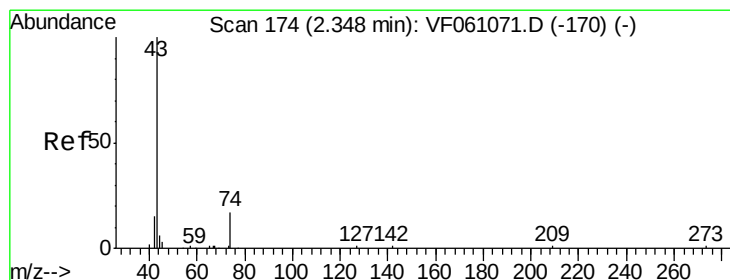
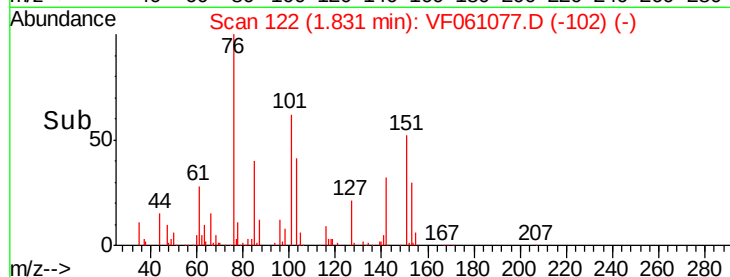
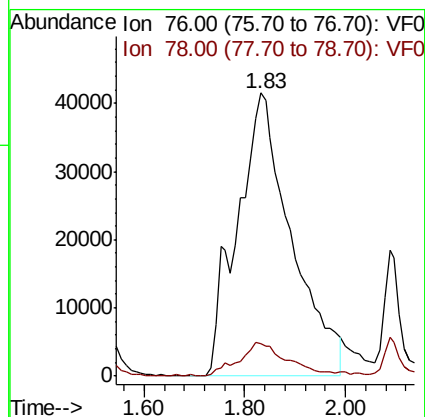
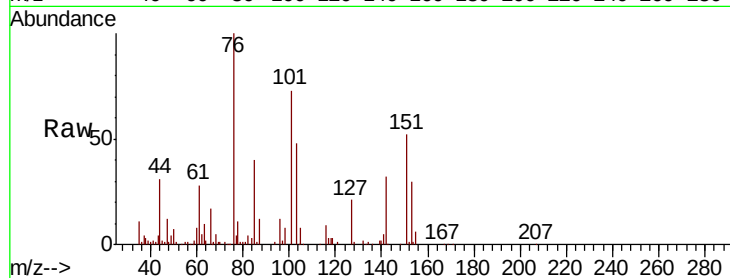
ClientSampleId :

Tot Ion: 76 Resp: 310997

Ion Ratio Lower Upper

76 100

78 11.4 10.2 15.4



#18

Methyl Acetate

Concen: 45.270 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF061077.D

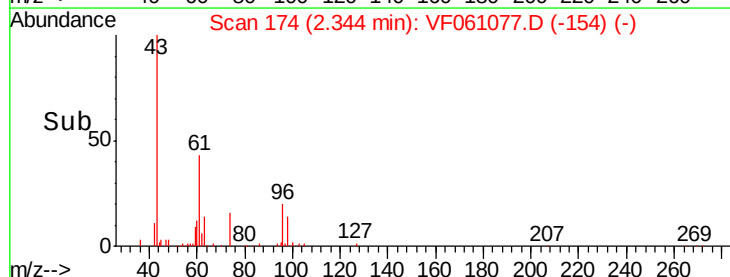
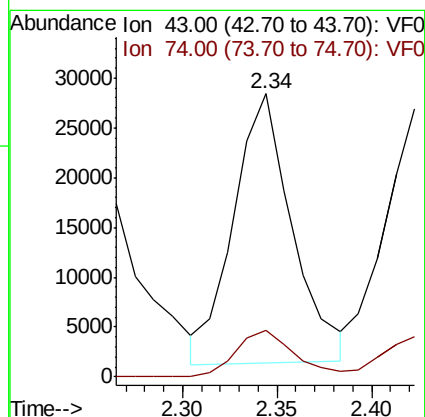
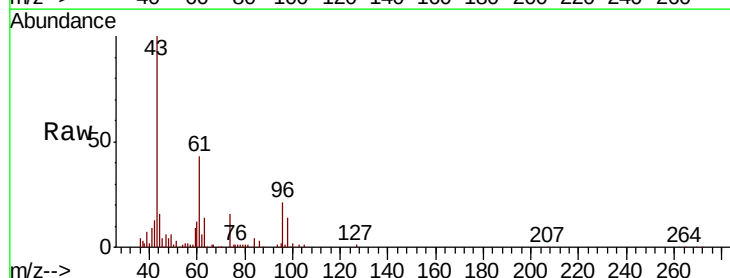
Acq: 19 Dec 2018 11:05

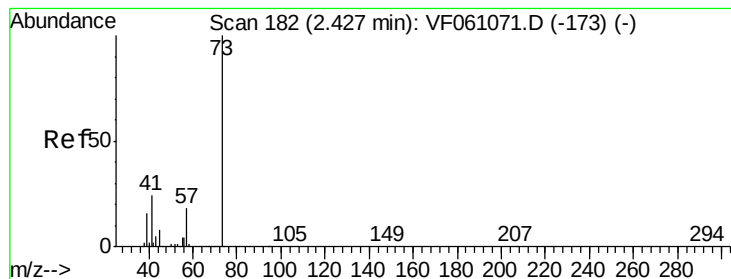
Tgt Ion: 43 Resp: 58259

Ion Ratio Lower Upper

43 100

74 16.4 11.0 16.6



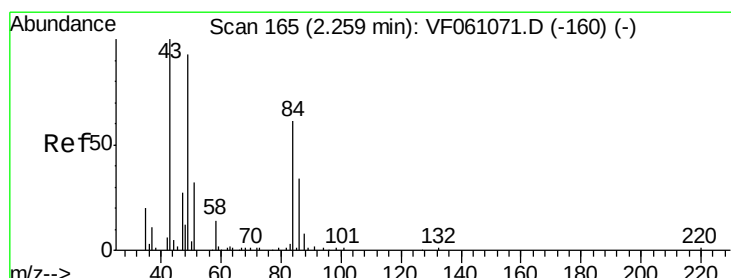
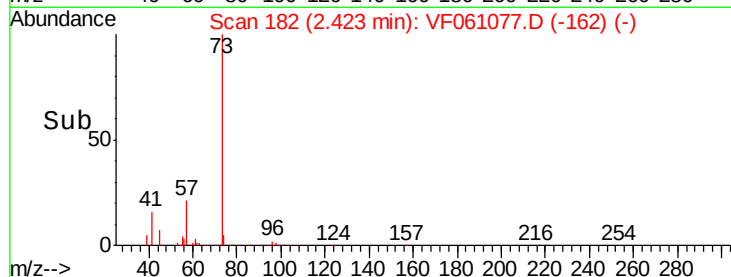
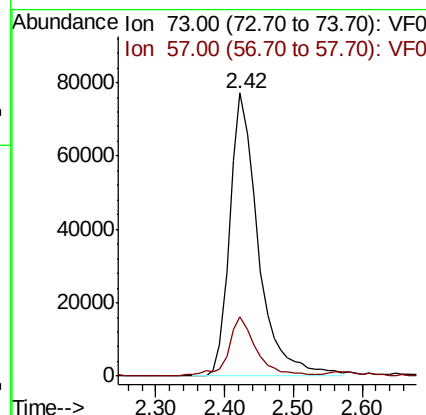
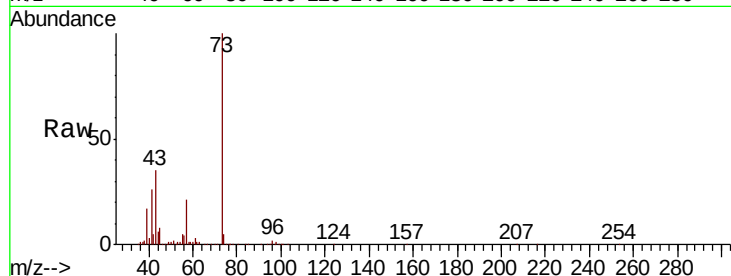


#19

Methyl tert-butyl Ether
 Concen: 46.569 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :

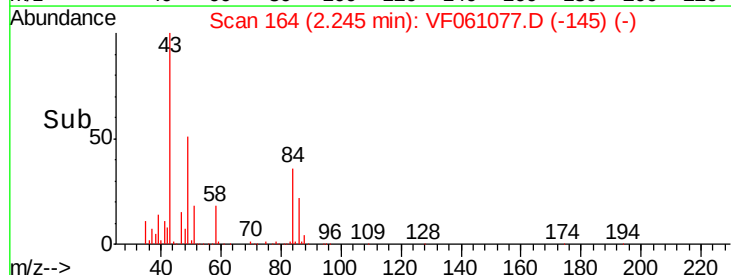
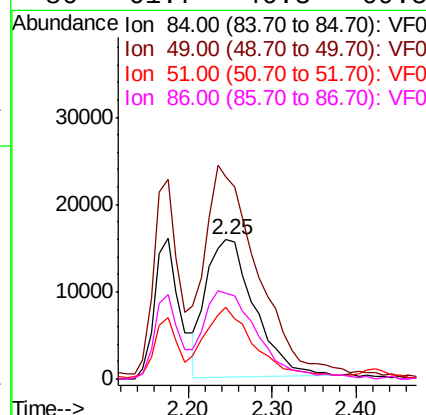
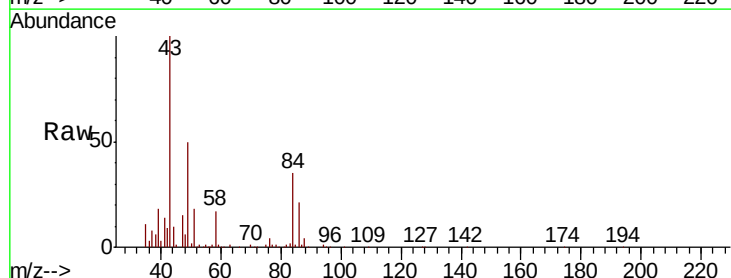
Tot Ion: 73 Resp: 220438
 Ion Ratio Lower Upper
 73 100
 57 21.1 14.5 21.7

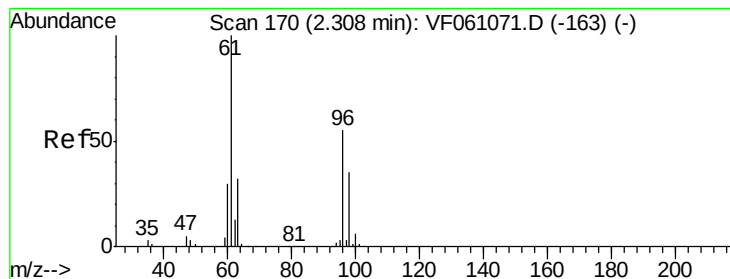


#20

Methylene Chloride
 Concen: 30.161 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Tgt Ion: 84 Resp: 63495
 Ion Ratio Lower Upper
 84 100
 49 144.9 129.4 194.2
 51 51.3 44.0 66.0
 86 61.7 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 34.725 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampled :

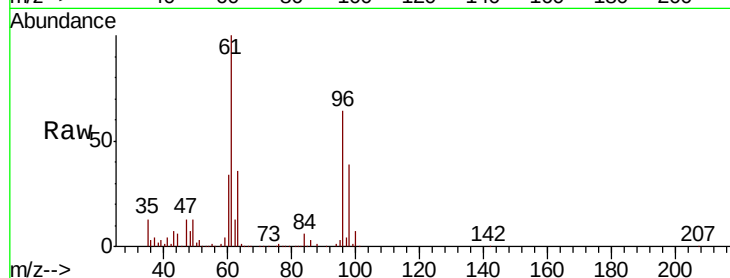
Tot Ion: 96 Resp: 79203

Ion Ratio Lower Upper

96 100

61 155.2 146.0 219.0

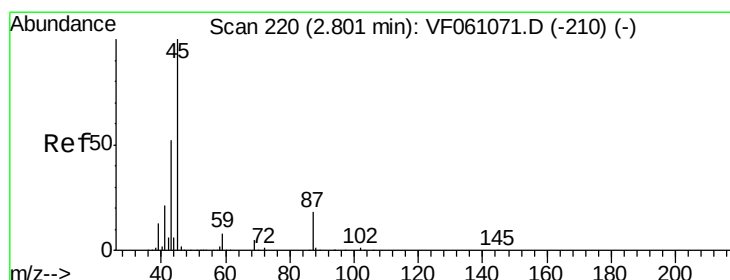
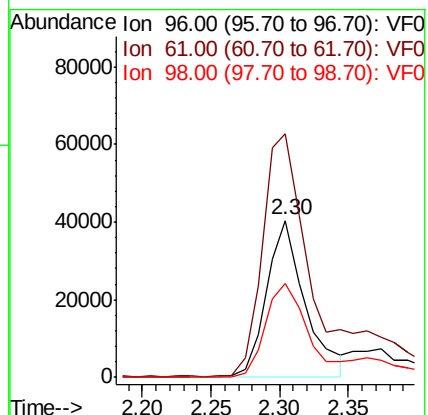
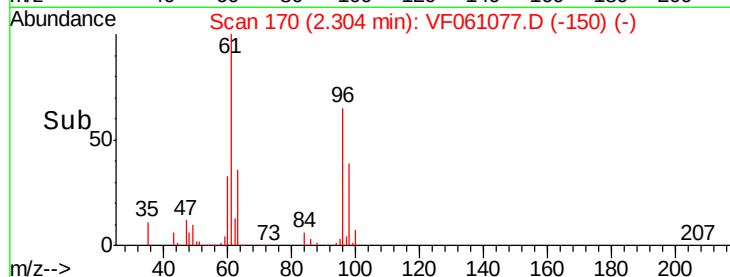
98 59.8 51.6 77.4



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: 48.504 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Tgt Ion: 45 Resp: 358561

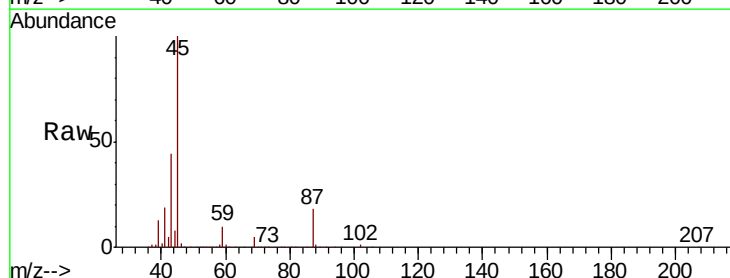
Ion Ratio Lower Upper

45 100

43 44.4 42.2 63.2

87 17.6 14.6 22.0

59 9.7 7.0 10.4

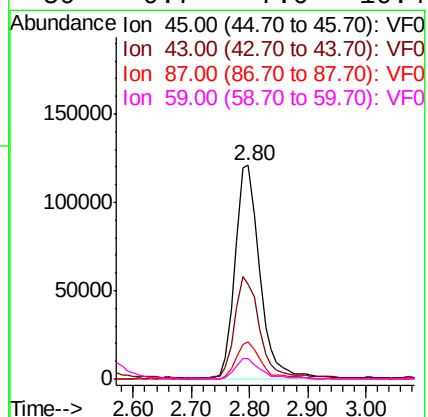
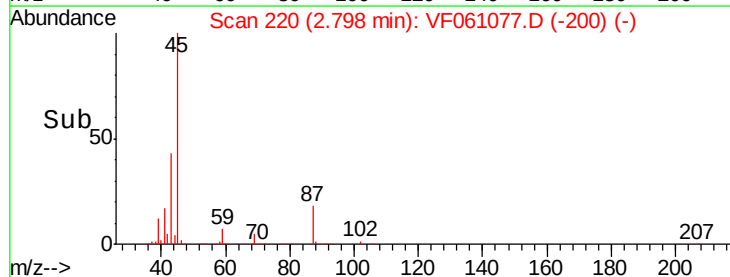


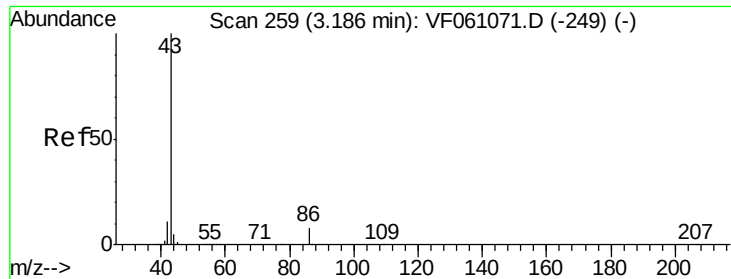
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 254.514 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

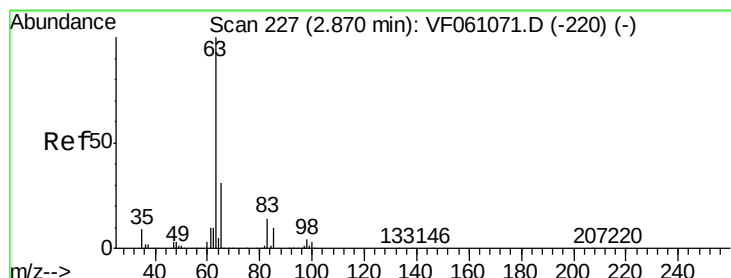
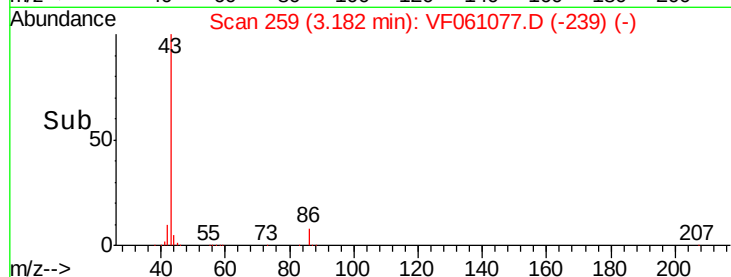
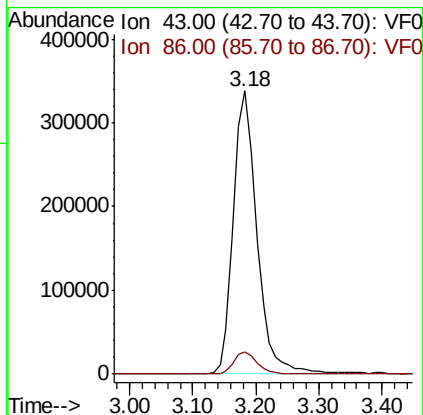
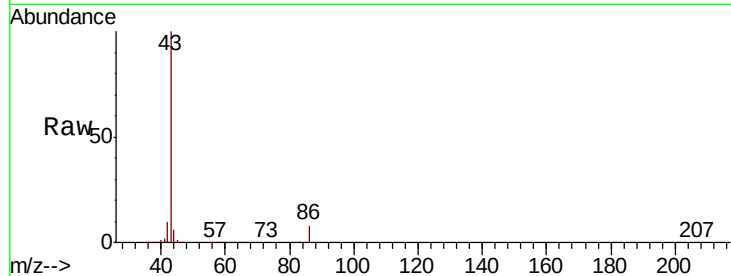
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 867968

Ion Ratio Lower Upper

43 100

86 8.1 6.3 9.5



#24

1,1-Dichloroethane

Concen: 46.410 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

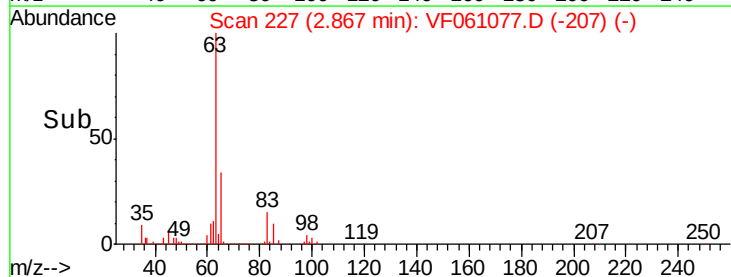
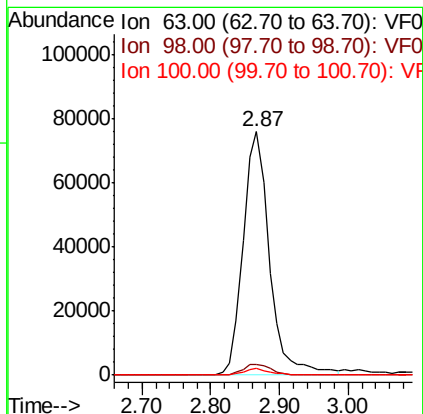
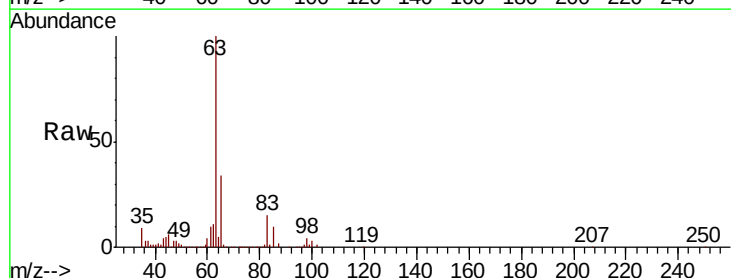
Tgt Ion: 63 Resp: 203276

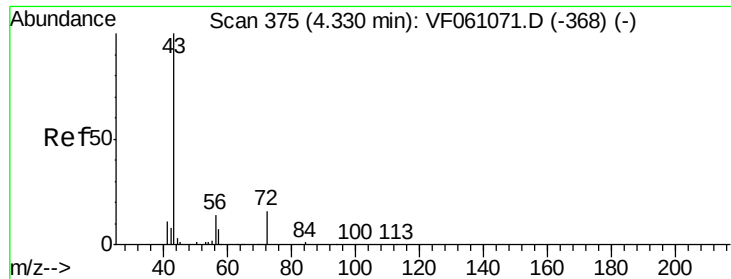
Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

100 2.9 1.7 5.1

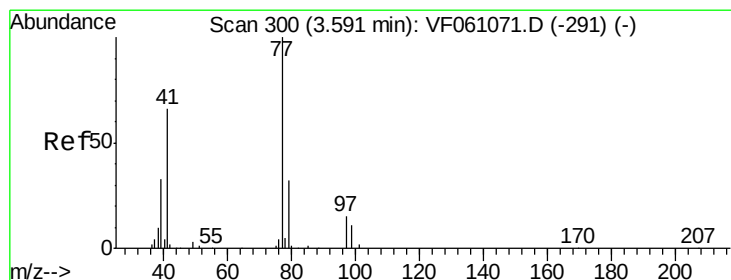
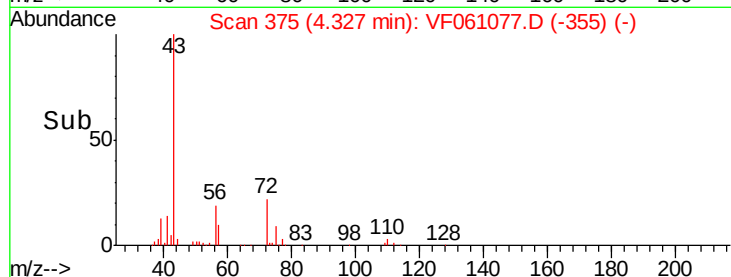
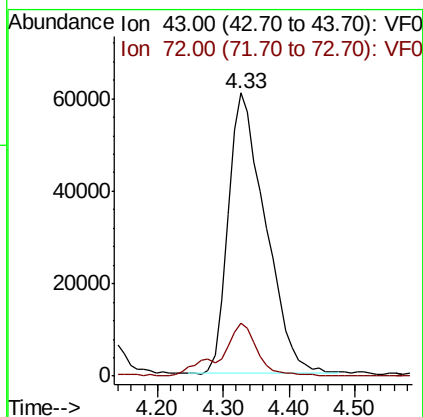
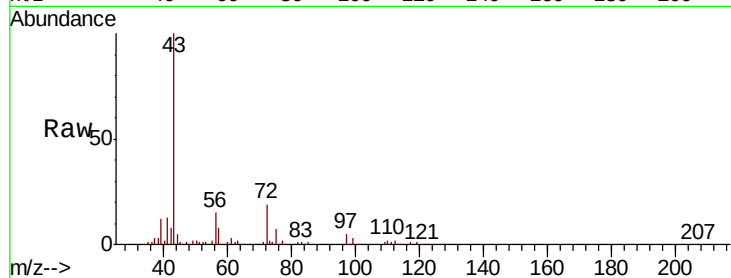




#25
2-Butanone
Concen: 239.035 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

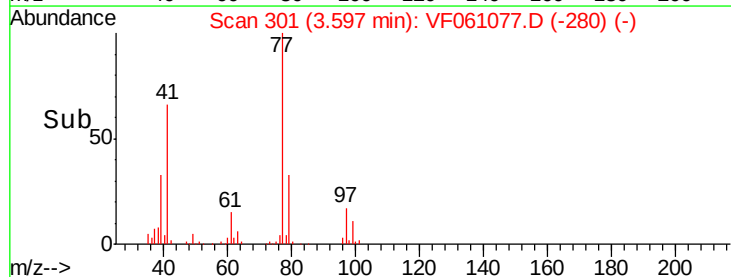
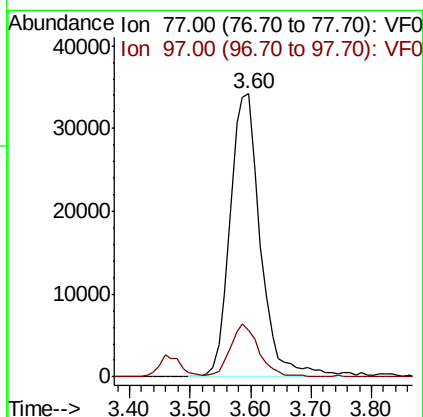
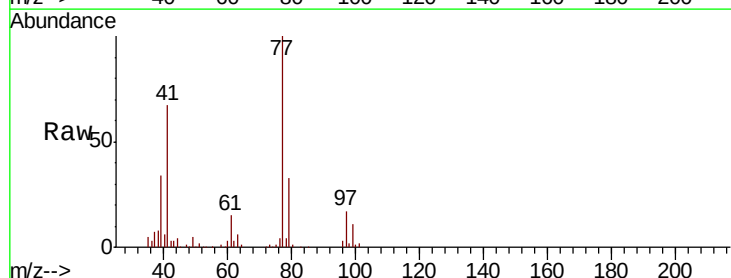
Instrument :
MSVOA_F
ClientSampleId :

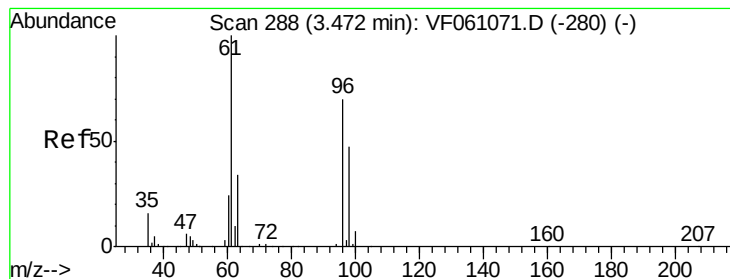
Tot Ion: 43 Resp: 241144
Ion Ratio Lower Upper
43 100
72 18.8 15.6 23.4



#26
2,2-Dichloropropane
Concen: 47.432 ug/l
RT: 3.60 min Scan# 301
Delta R.T. 0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 77 Resp: 119224
Ion Ratio Lower Upper
77 100
97 16.5 8.2 24.4



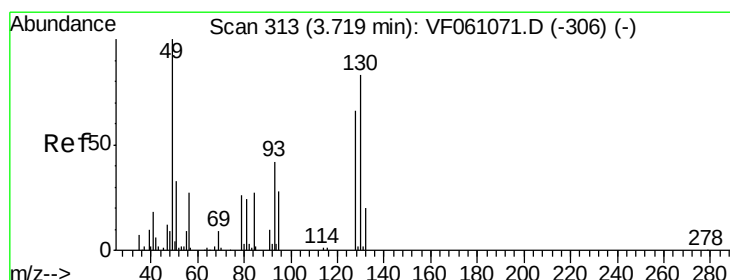
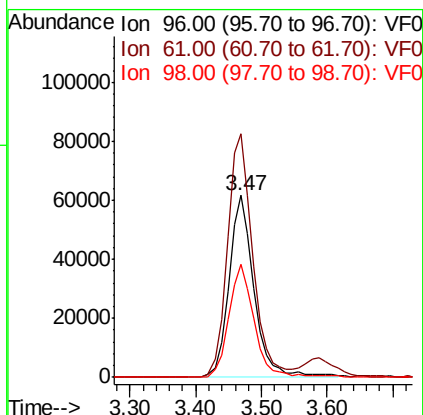
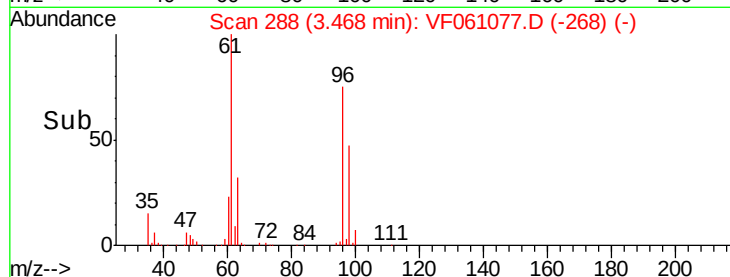
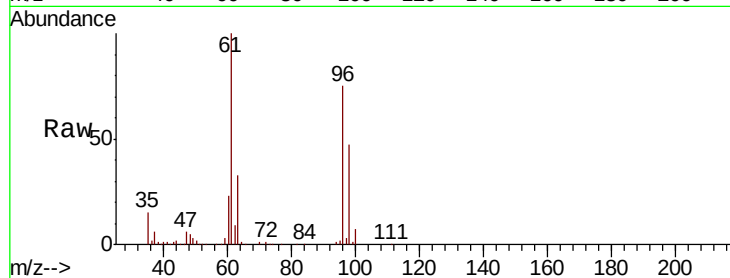


#27

cis-1,2-Dichloroethene
 Concen: 47.027 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :

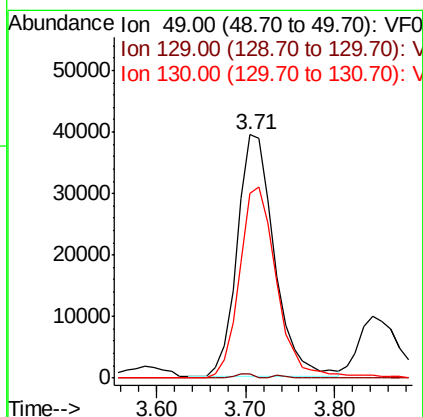
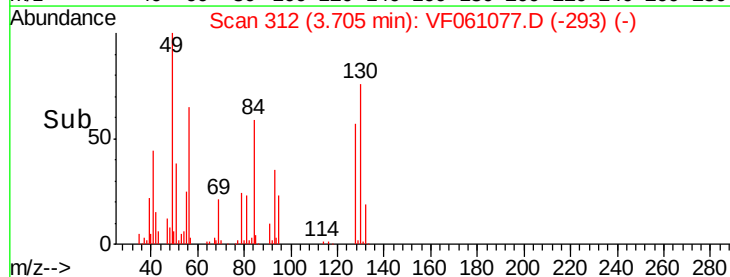
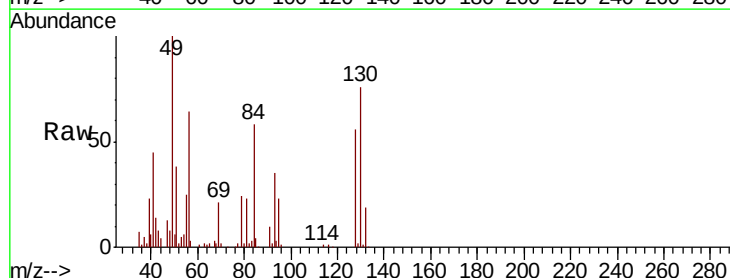
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	287.8
98	62.3	0.0	134.2

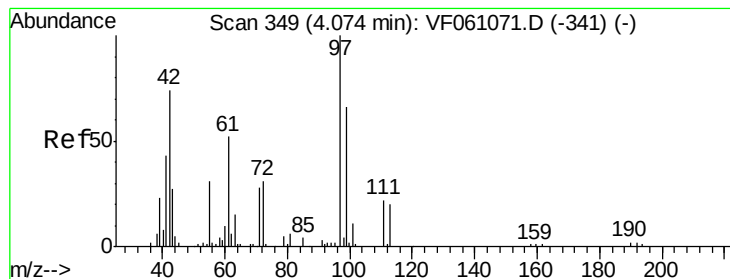


#28

Bromochloromethane
 Concen: 50.915 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	76.0	65.8	98.6





#29

Tetrahydrofuran

Concen: 231.738 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

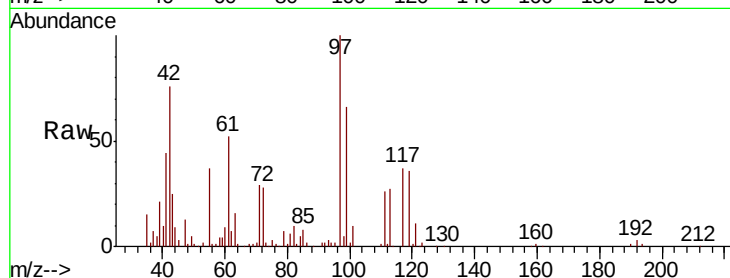
Tot Ion: 42 Resp: 95152

Ion Ratio Lower Upper

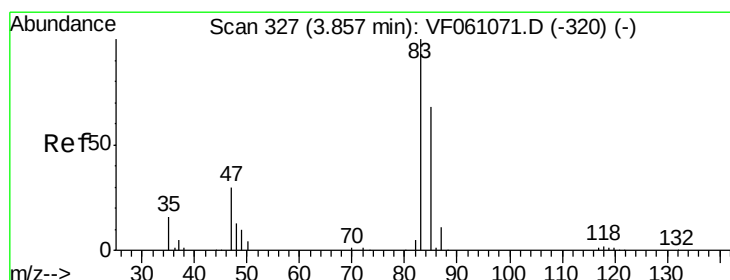
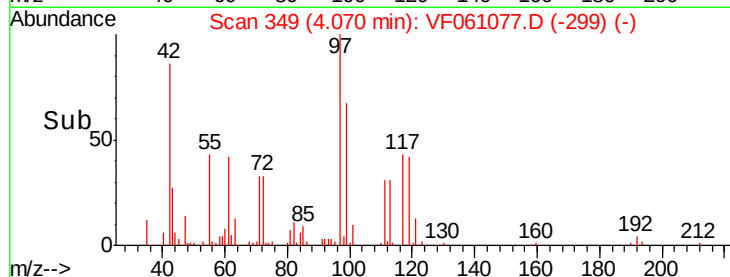
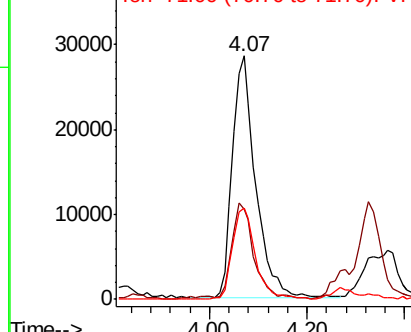
42 100

72 39.3 31.8 47.8

71 37.4 29.7 44.5



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



#30

Chloroform

Concen: 44.829 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF061077.D

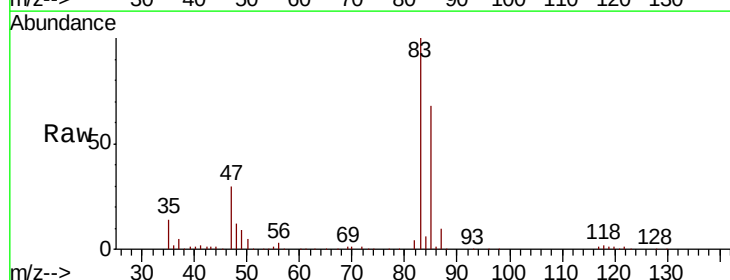
Acq: 19 Dec 2018 11:05

Tgt Ion: 83 Resp: 294410

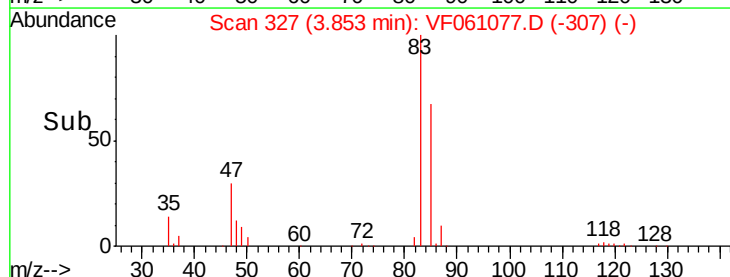
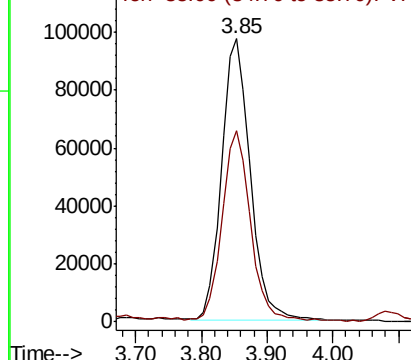
Ion Ratio Lower Upper

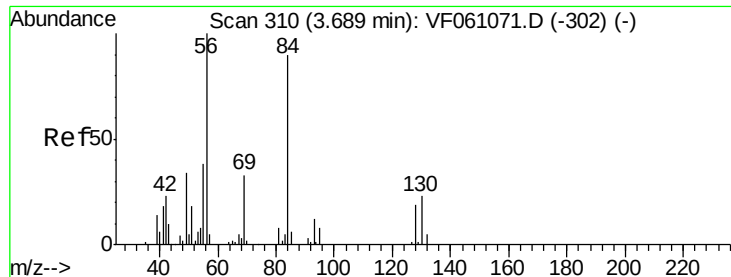
83 100

85 67.8 54.5 81.7



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

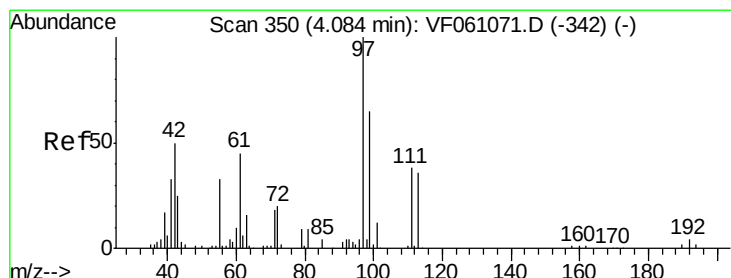
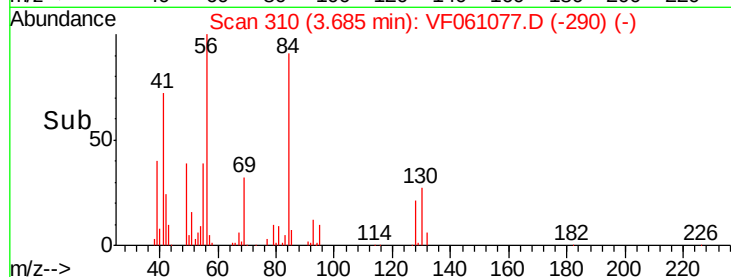
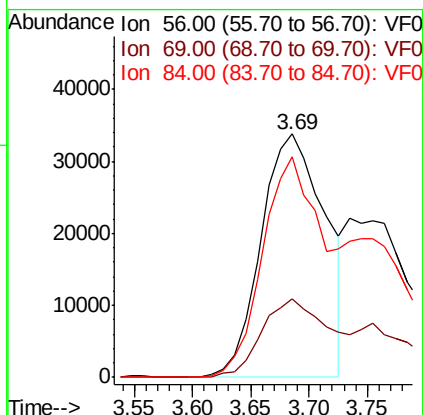
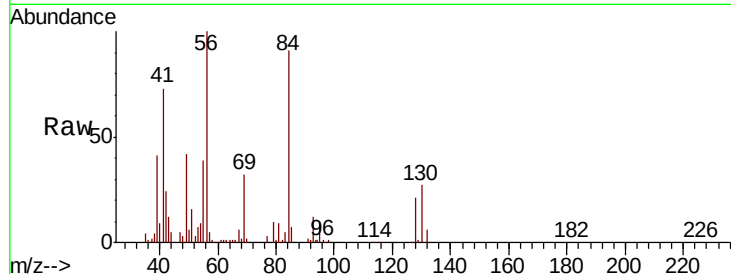




#31
Cyclohexane
Concen: 28.516 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

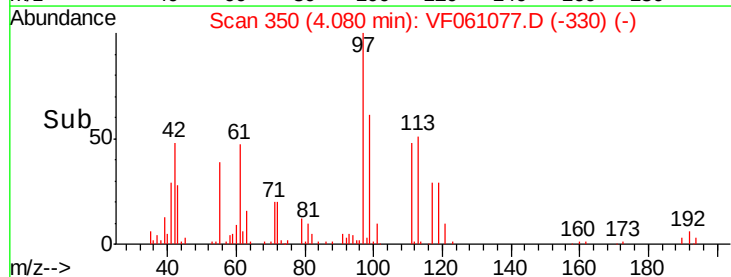
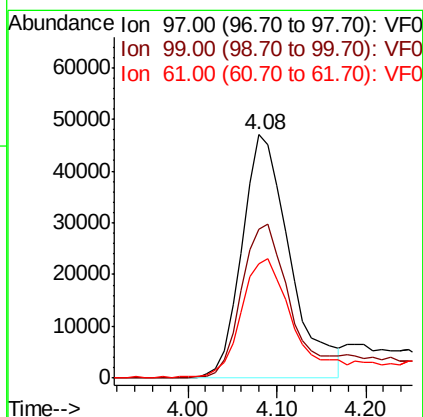
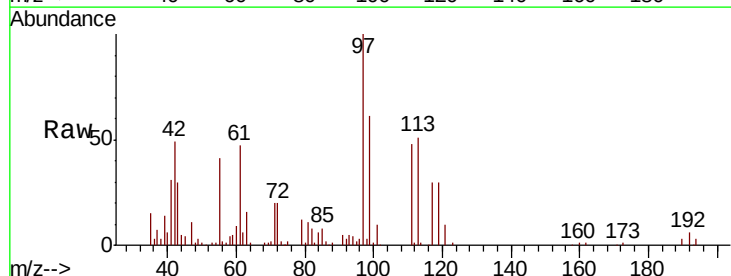
Instrument :
MSVOA_F
ClientSampleId :

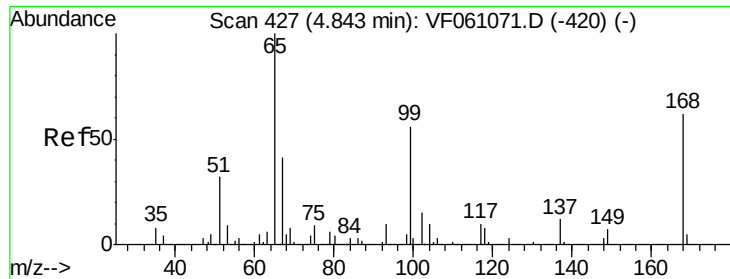
Tot Ion: 56 Resp: 129605
Ion Ratio Lower Upper
56 100
69 32.4 26.0 39.0
84 90.6 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 44.763 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 97 Resp: 176204
Ion Ratio Lower Upper
97 100
99 61.4 51.6 77.4
61 46.8 36.2 54.2

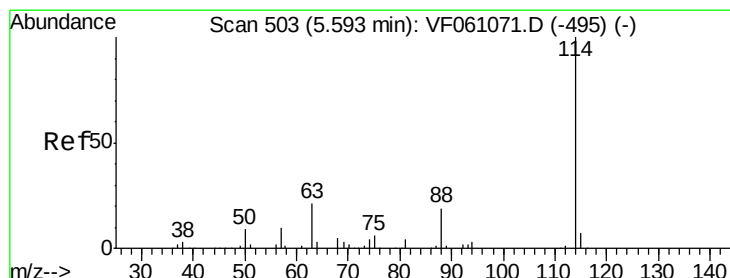
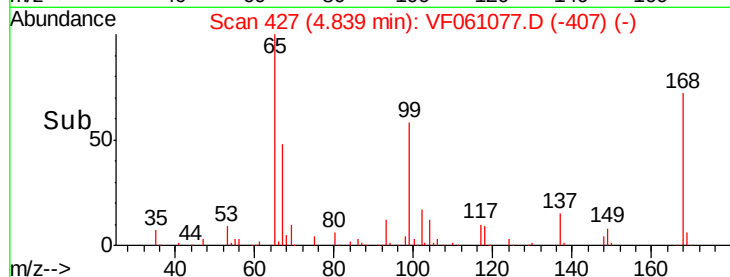
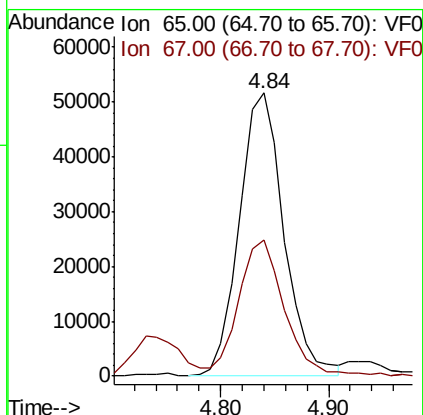
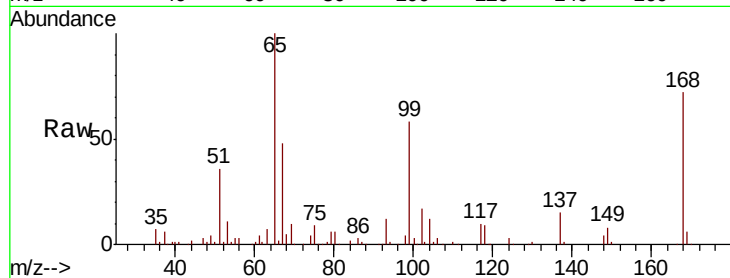




#33
 1,2-Dichloroethane-d4
 Concen: 47.079 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

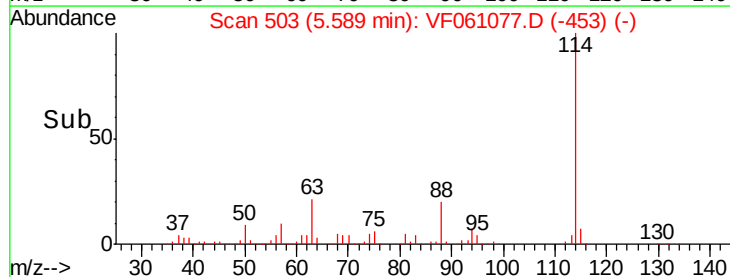
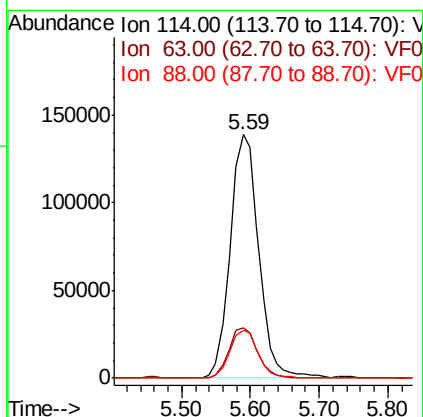
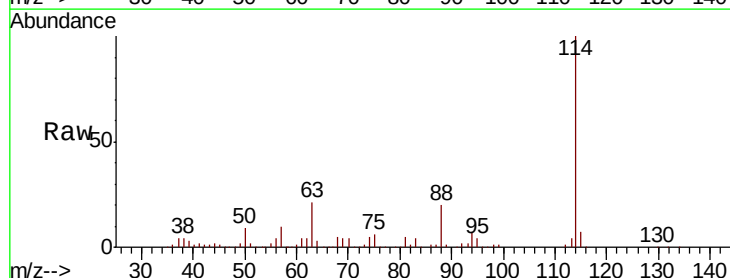
Instrument :
 MSVOA_F
 ClientSampled :

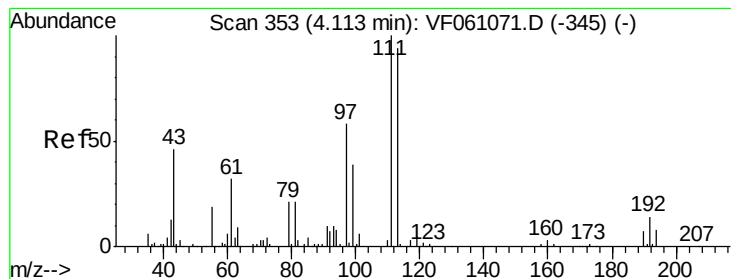
Tot Ion: 65 Resp: 146489
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Tgt Ion: 114 Resp: 398718
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.6
 88 19.8 0.0 38.0





#35

Dibromofluoromethane

Concen: 48.736 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

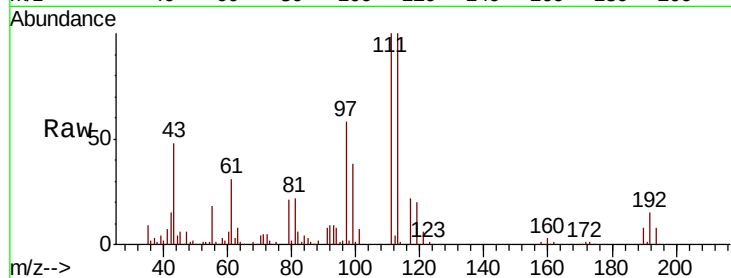
Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 155661

Ion	Ratio	Lower	Upper
113	100		
111	100.3	85.2	127.8
192	15.2	12.8	19.2

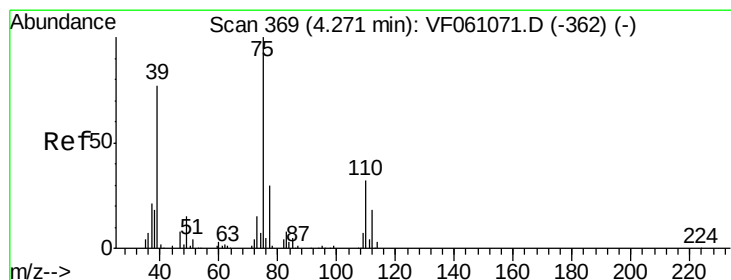
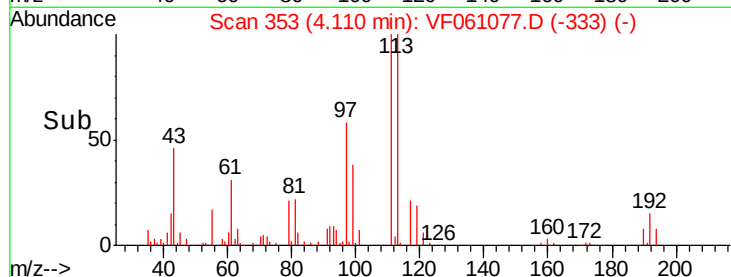
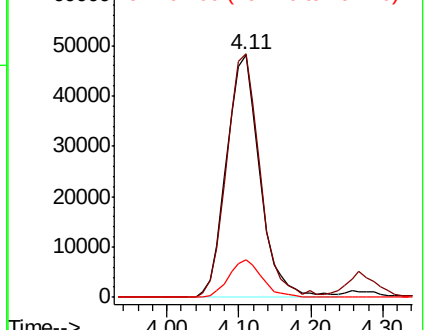


Abundance

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: 48.510 ug/l

RT: 4.27 min Scan# 369

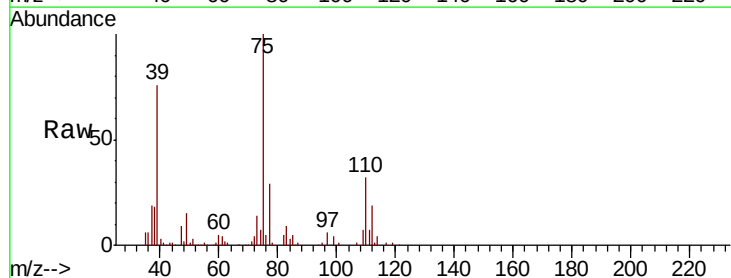
Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Tgt Ion: 75 Resp: 233468

Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.1	48.2
77	29.5	24.5	36.7

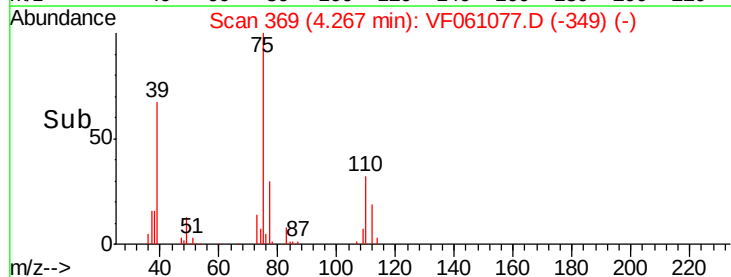
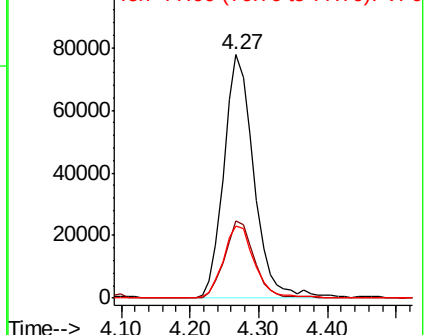


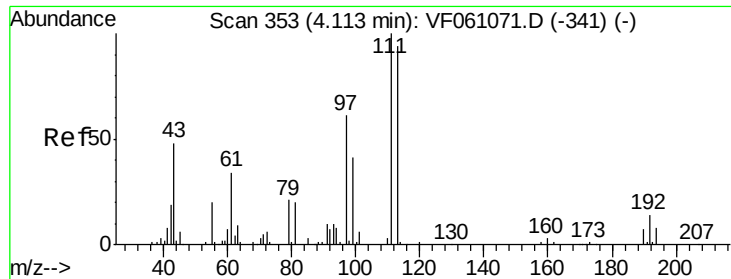
Abundance

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

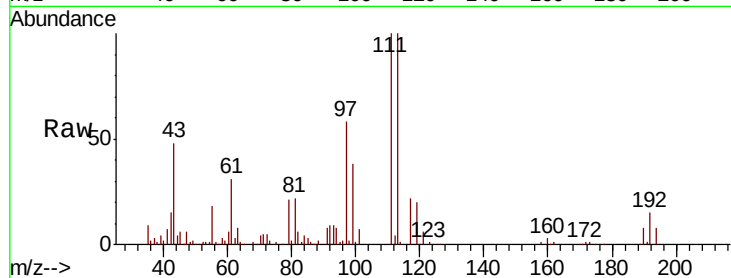




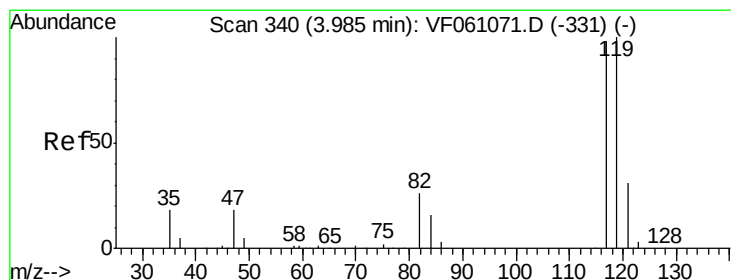
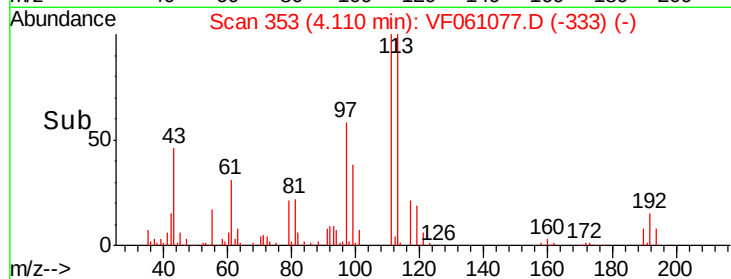
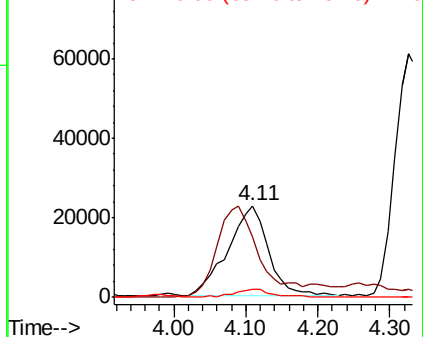
#37
Ethyl Acetate
Concen: 46.629 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 88318
Ion Ratio Lower Upper
43 100
61 65.6 56.6 84.8
70 9.0 6.3 9.5

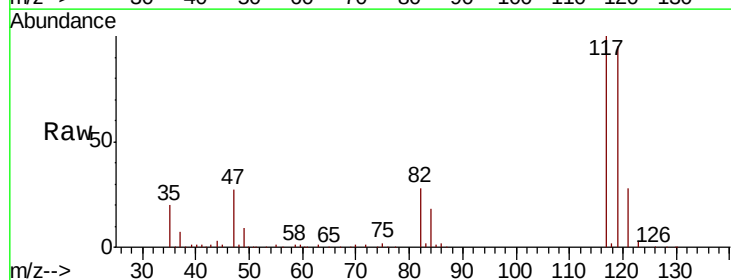


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

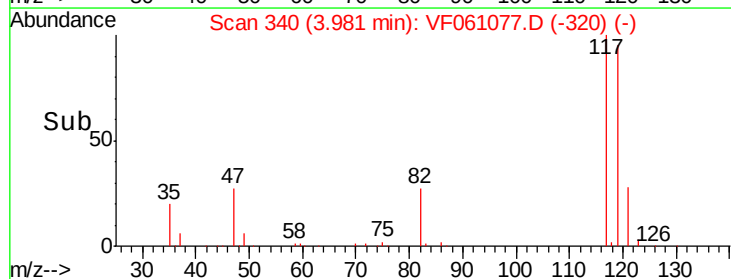
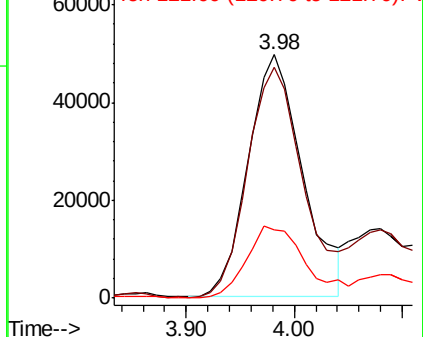


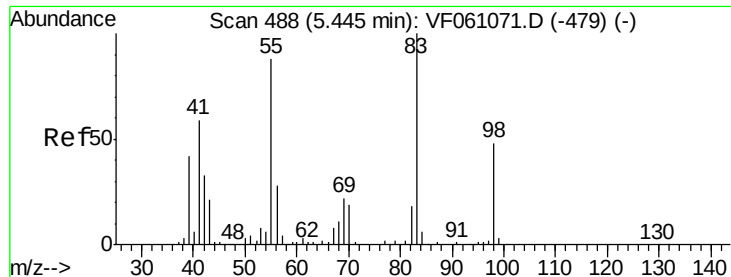
#38
Carbon Tetrachloride
Concen: 47.222 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 117 Resp: 173077
Ion Ratio Lower Upper
117 100
119 94.9 82.1 123.1
121 27.8 25.5 38.3



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

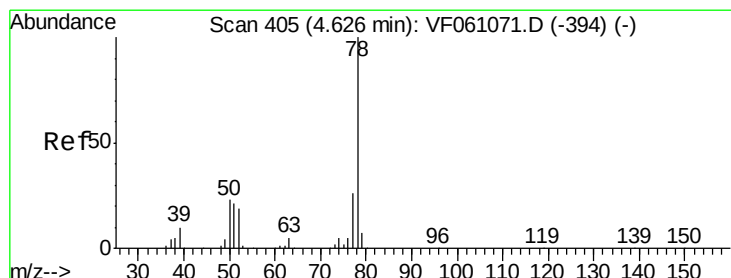
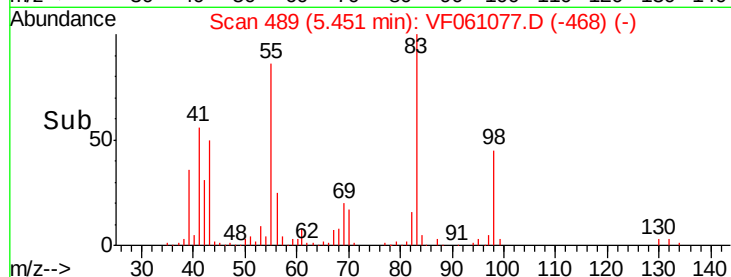
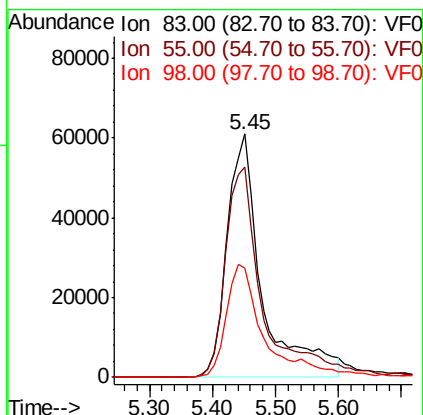
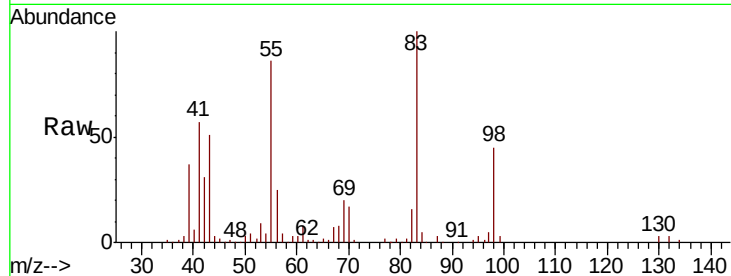




#39
Methvlcvclohexane
Concen: 54.600 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

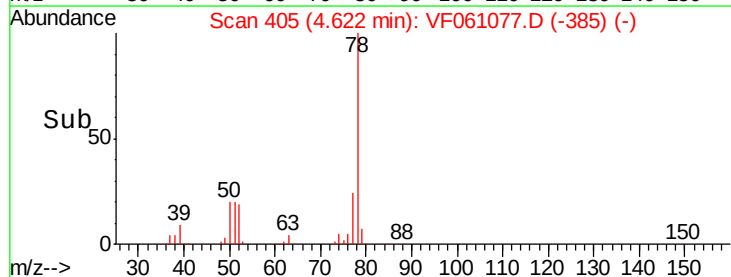
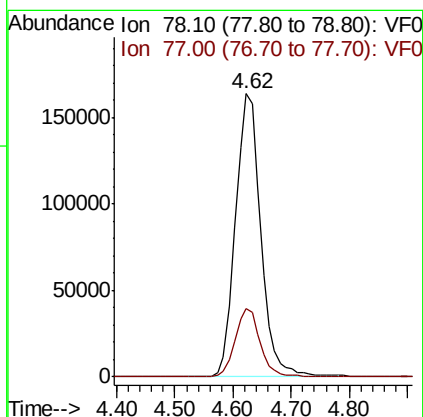
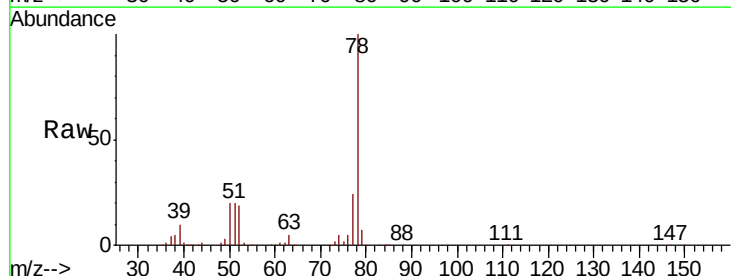
Instrument :
MSVOA_F
ClientSampleId :

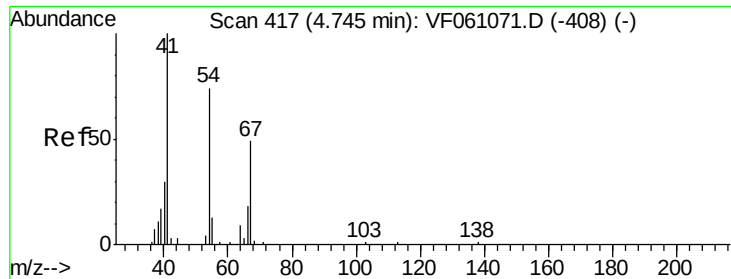
Tot Ion: 83 Resp: 235746
Ion Ratio Lower Upper
83 100
55 86.3 70.6 105.8
98 44.6 38.5 57.7



#40
Benzene
Concen: 47.967 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 78 Resp: 496462
Ion Ratio Lower Upper
78 100
77 24.2 20.7 31.1

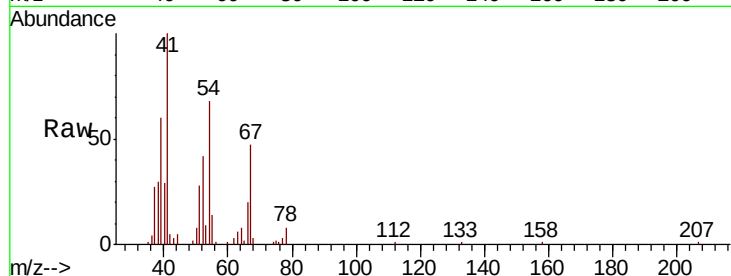




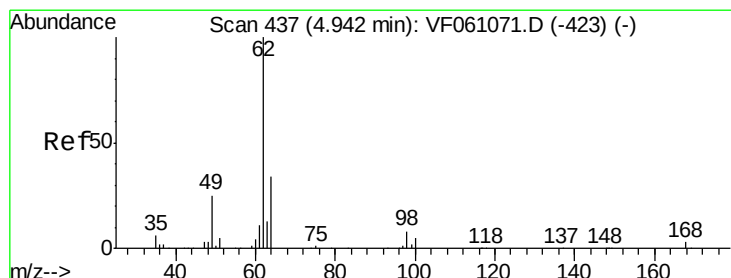
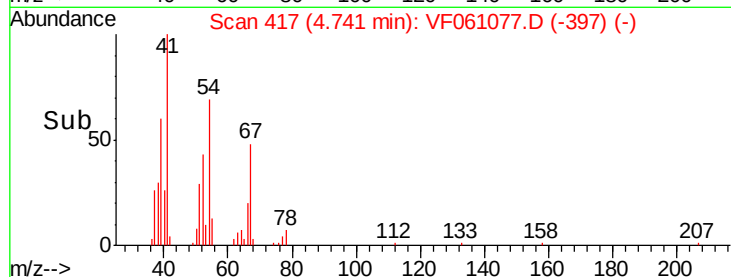
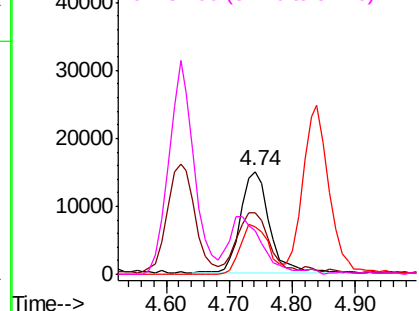
#41
Methacrylonitrile
Concen: 46.679 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 47445
Ion Ratio Lower Upper
41 100
39 60.4 45.7 68.5
67 46.7 38.9 58.3
52 42.3 35.2 52.8

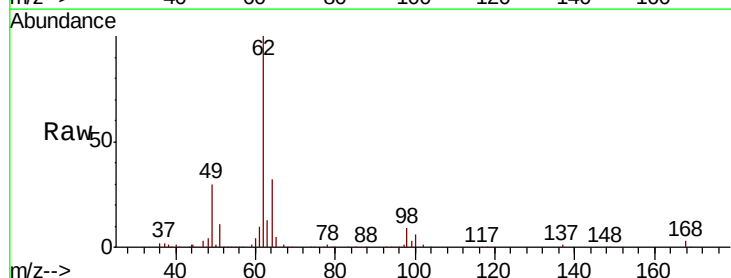


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

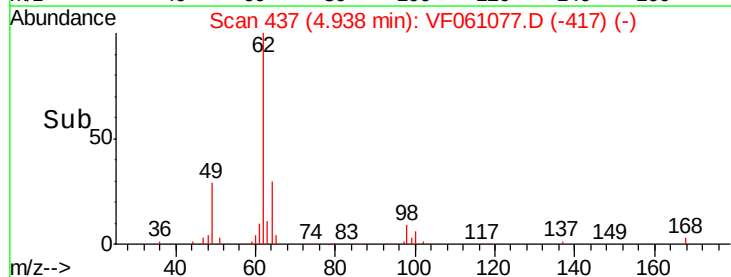
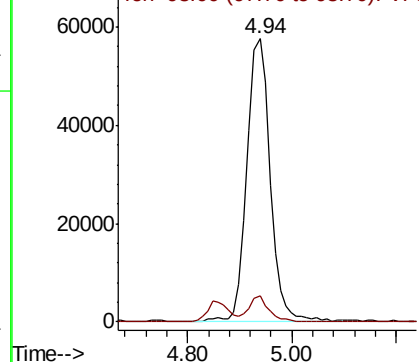


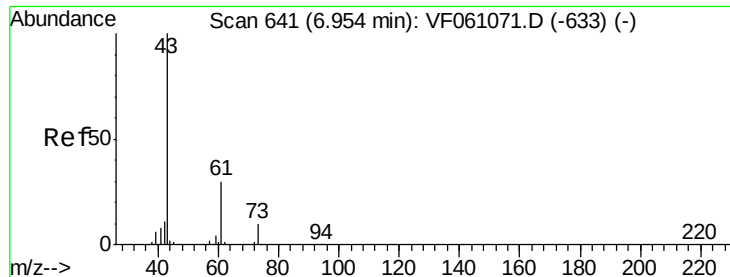
#42
1,2-Dichloroethane
Concen: 44.254 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 62 Resp: 173996
Ion Ratio Lower Upper
62 100
98 9.4 0.0 16.6



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





#43

Isopropyl Acetate

Concen: 47.772 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

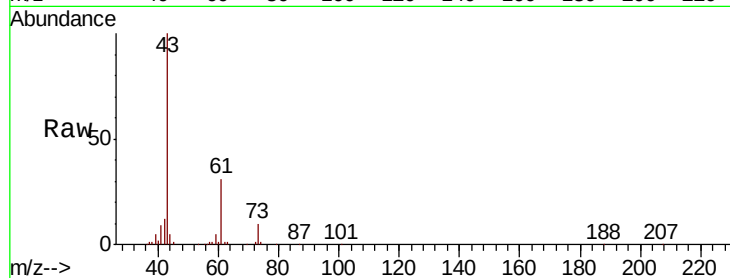
Tot Ion: 43 Resp: 111016

Ion Ratio Lower Upper

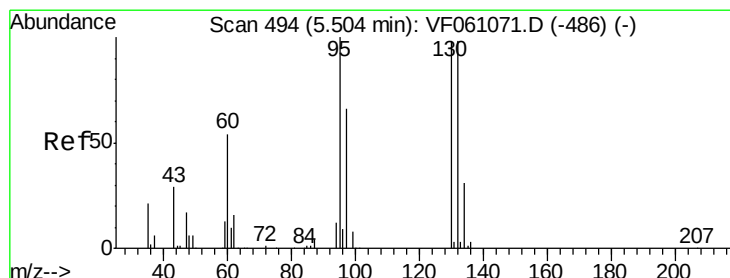
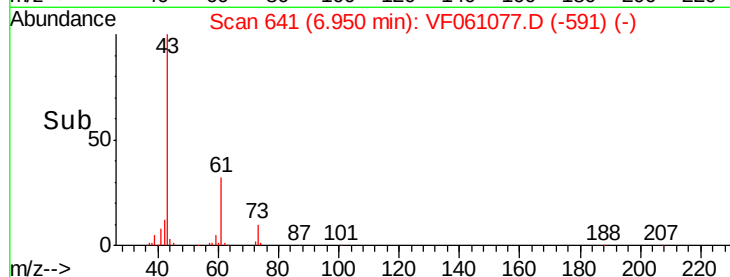
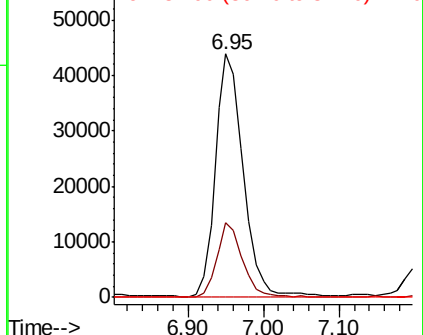
43 100

61 30.6 23.8 35.8

87 0.2 0.0 0.0#



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



#44

Trichloroethene

Concen: 47.866 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF061077.D

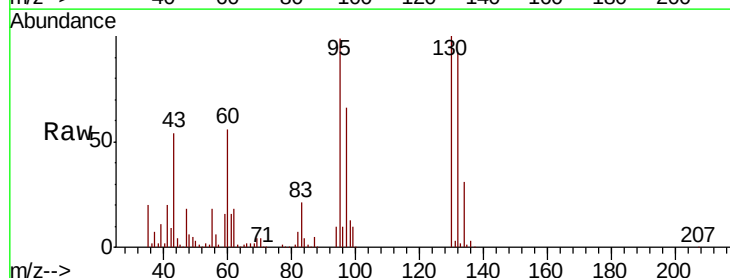
Acq: 19 Dec 2018 11:05

Tgt Ion:130 Resp: 156191

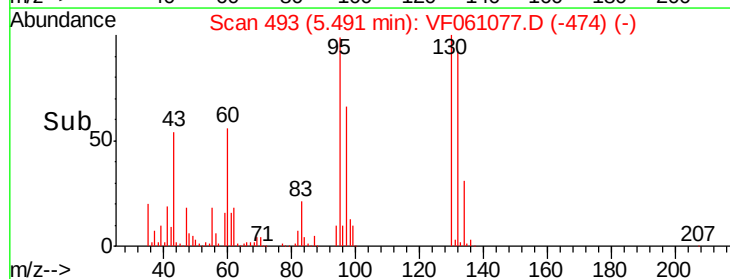
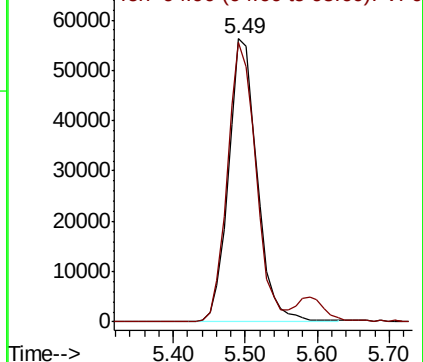
Ion Ratio Lower Upper

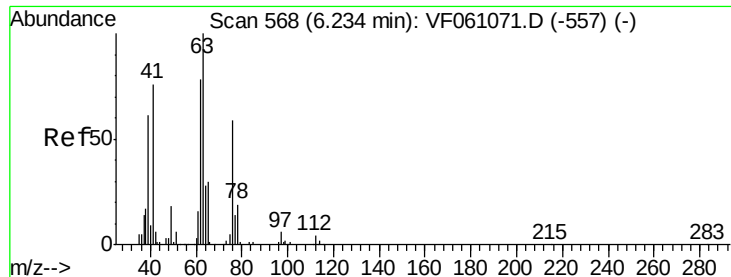
130 100

95 98.8 0.0 205.2



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





#45

1,2-Dichloropropane

Concen: 46.170 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

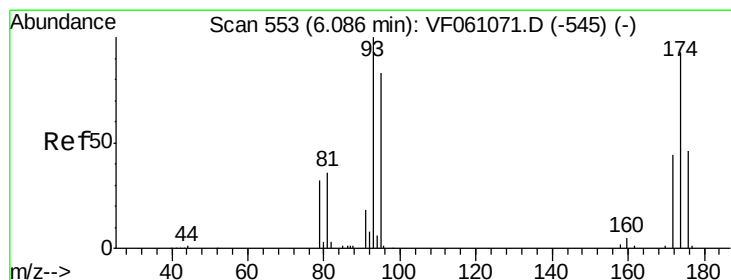
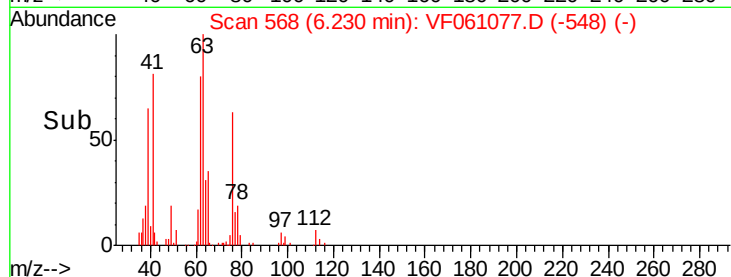
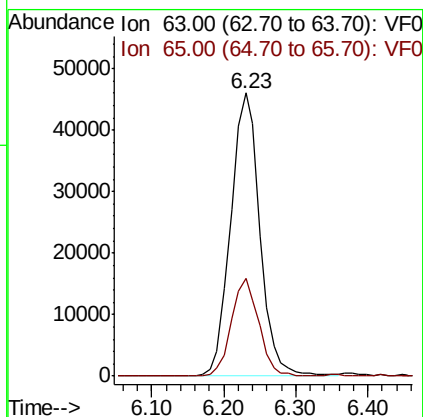
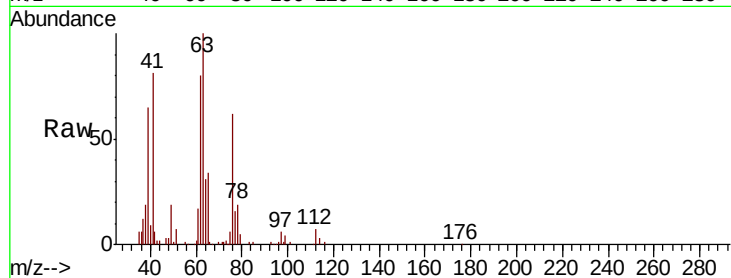
ClientSampleId :

Tot Ion: 63 Resp: 130009

Ion Ratio Lower Upper

63 100

65 34.5 24.4 36.6



#46

Dibromomethane

Concen: 45.522 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

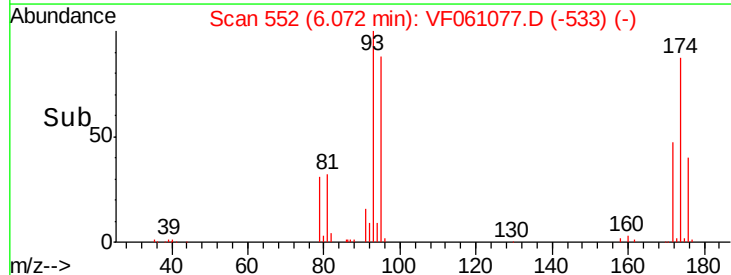
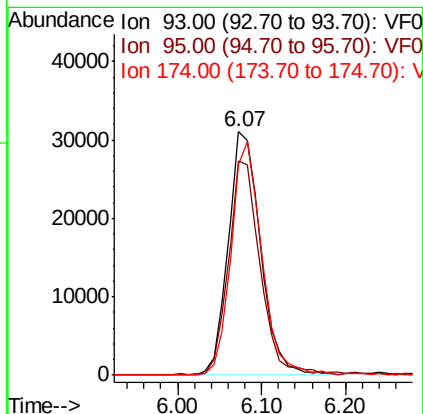
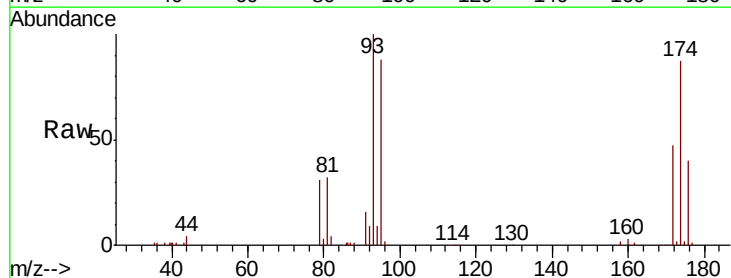
Tgt Ion: 93 Resp: 83138

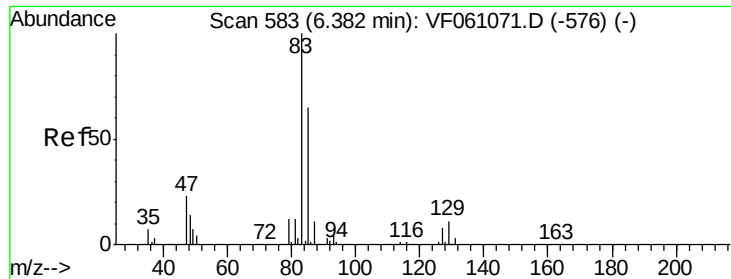
Ion Ratio Lower Upper

93 100

95 88.0 66.9 100.3

174 86.6 74.1 111.1





#47

Bromodichloromethane

Concen: 46.559 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

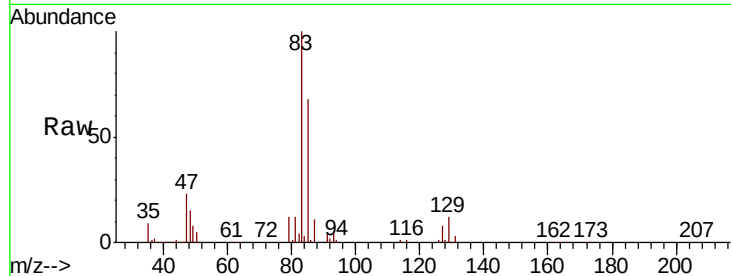
Tot Ion: 83 Resp: 220937

Ion Ratio Lower Upper

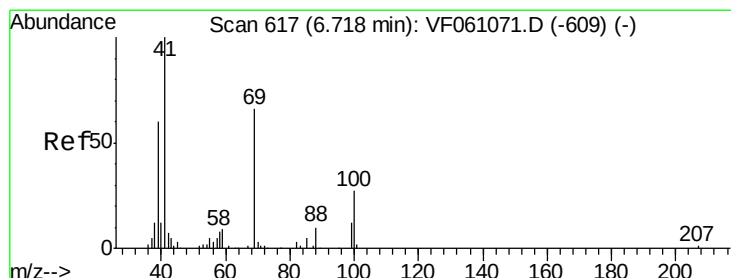
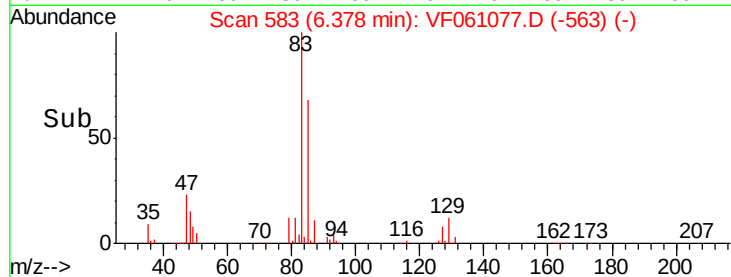
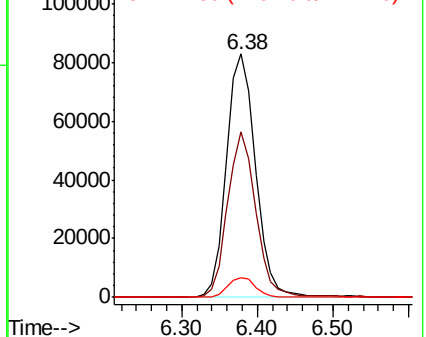
83 100

85 67.9 52.2 78.4

127 8.3 6.1 9.1



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: 47.375 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

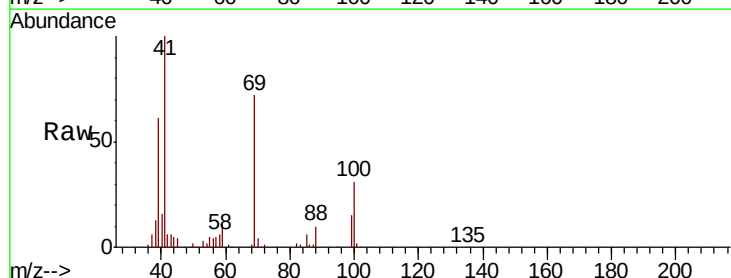
Tgt Ion: 41 Resp: 76856

Ion Ratio Lower Upper

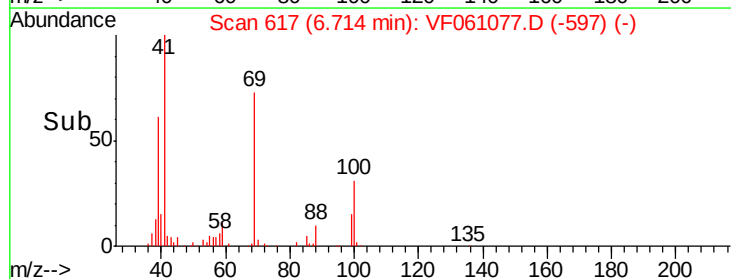
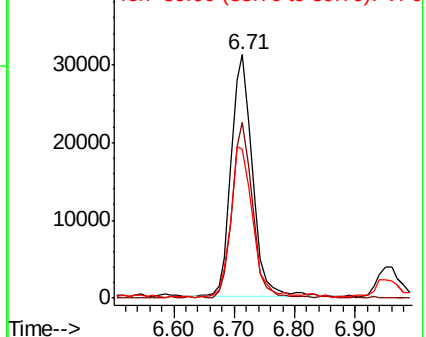
41 100

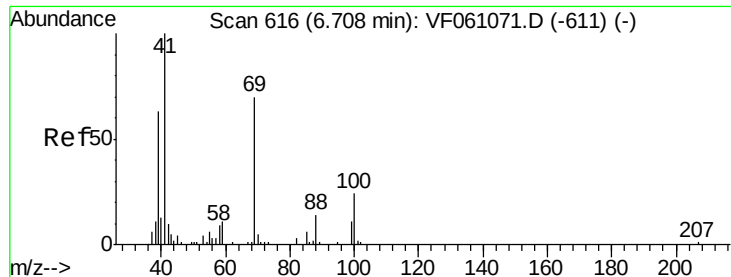
69 72.3 52.7 79.1

39 61.3 47.8 71.6



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: 933.109 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampled :

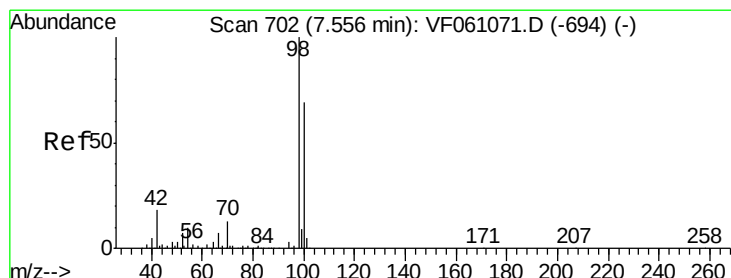
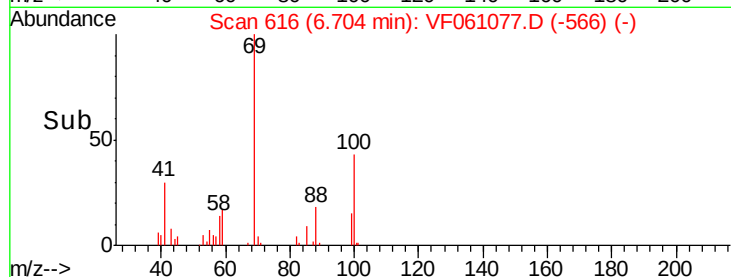
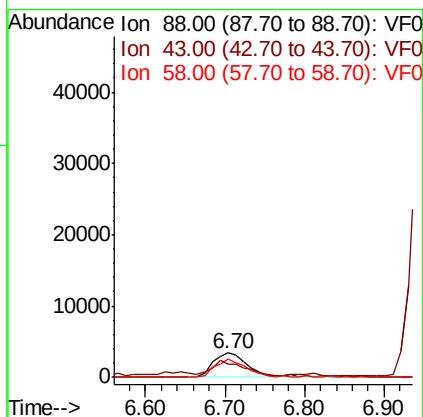
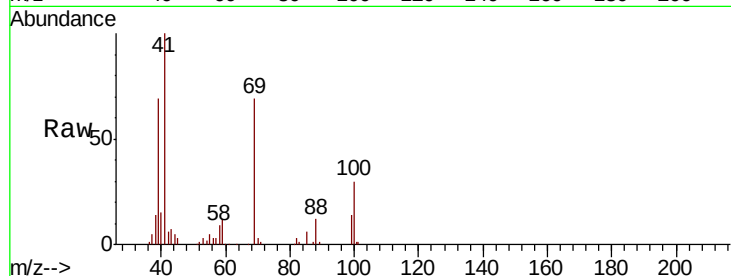
Tot Ion: 88 Resp: 10984

Ion Ratio Lower Upper

88 100

43 55.8 33.3 49.9#

58 76.9 53.2 79.8



#50

Toluene-d8

Concen: 49.880 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061077.D

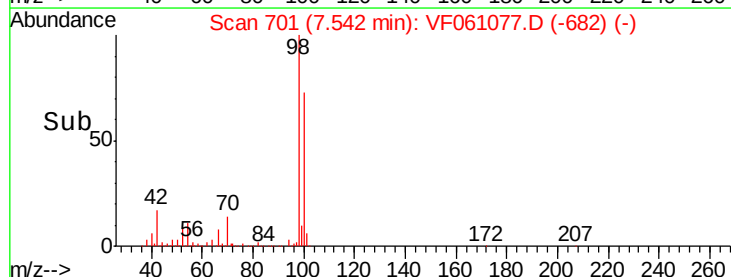
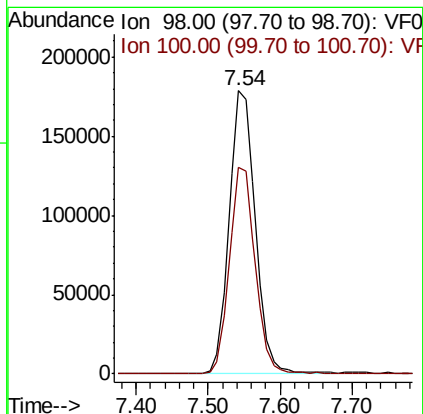
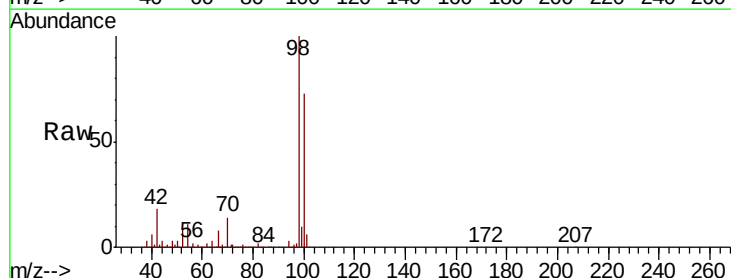
Acq: 19 Dec 2018 11:05

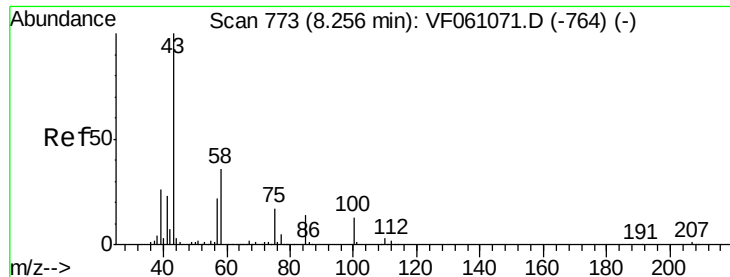
Tgt Ion: 98 Resp: 451482

Ion Ratio Lower Upper

98 100

100 73.2 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 236.943 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

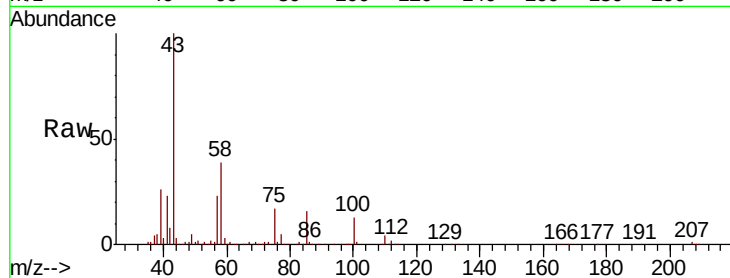
ClientSampleId :

Tot Ion: 43 Resp: 377630

Ion Ratio Lower Upper

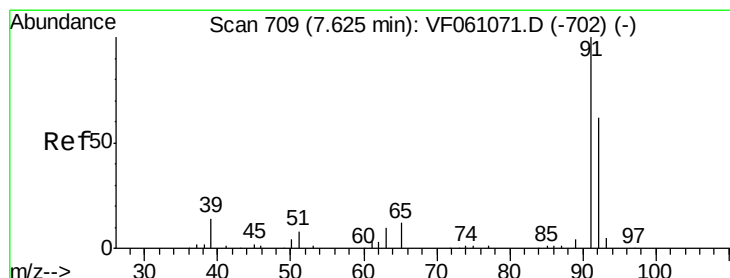
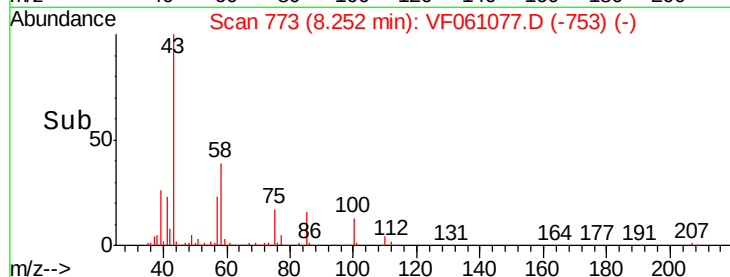
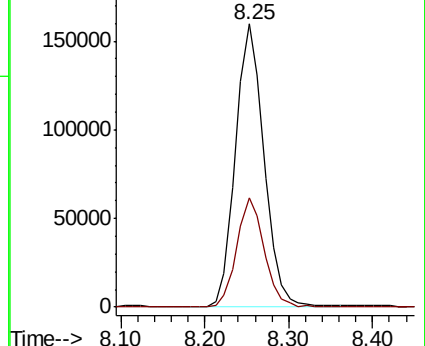
43 100

58 38.7 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.476 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061077.D

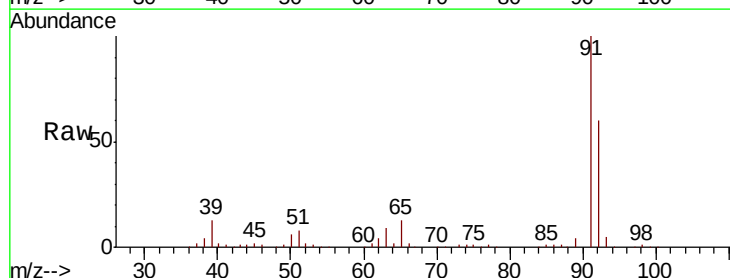
Acq: 19 Dec 2018 11:05

Tgt Ion: 92 Resp: 318414

Ion Ratio Lower Upper

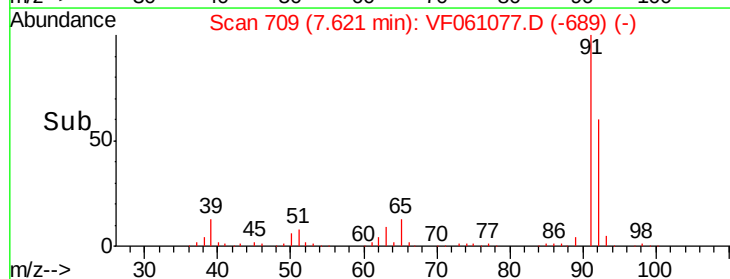
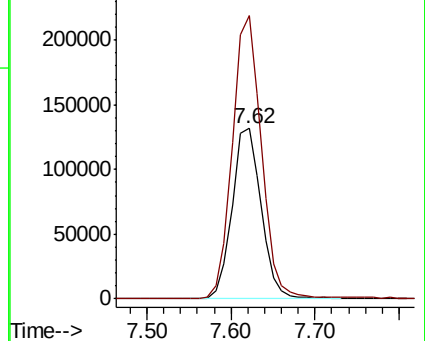
92 100

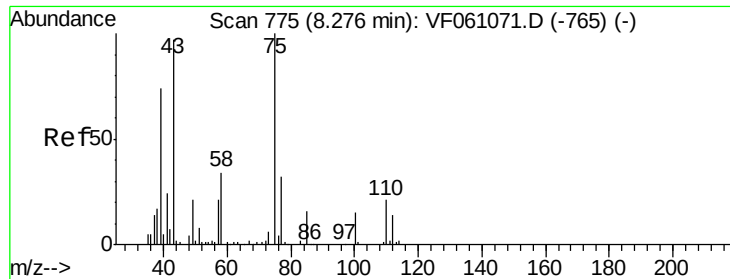
91 166.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 48.122 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

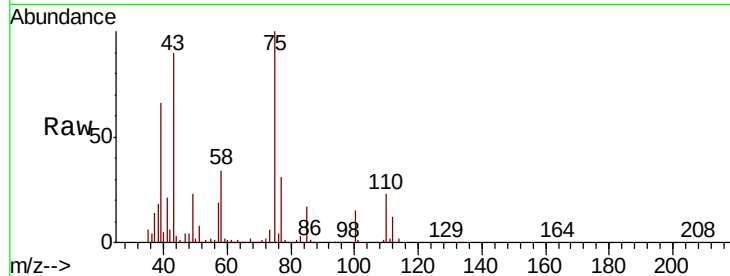
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 184217

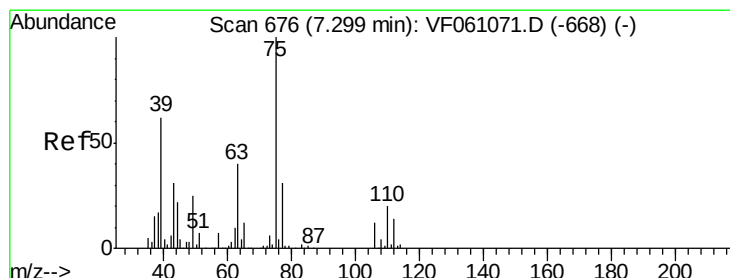
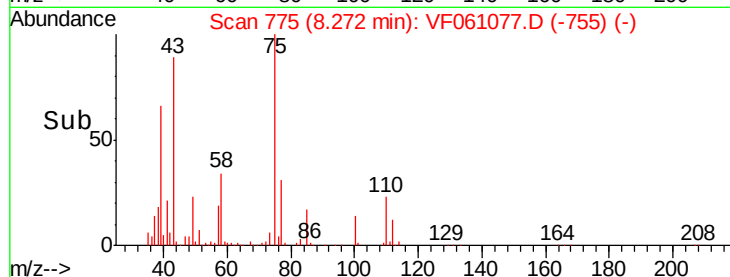
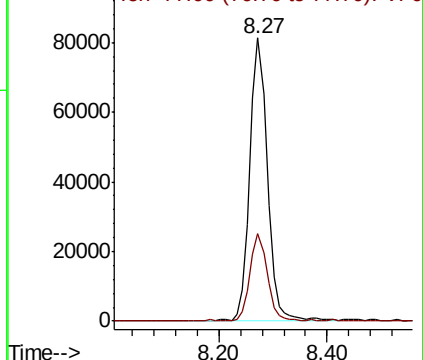
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 48.951 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

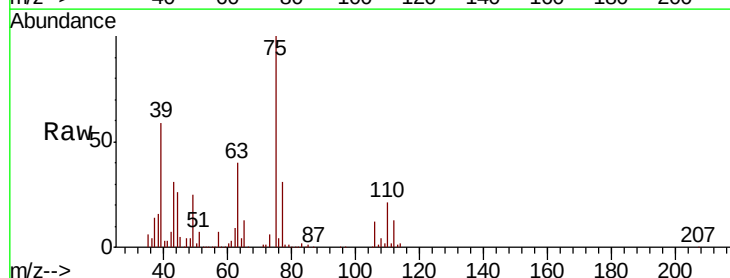
Tgt Ion: 75 Resp: 235187

Ion Ratio Lower Upper

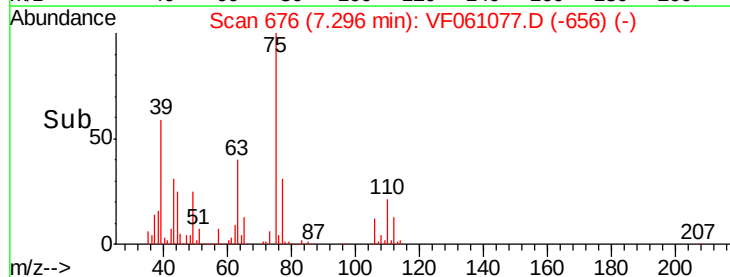
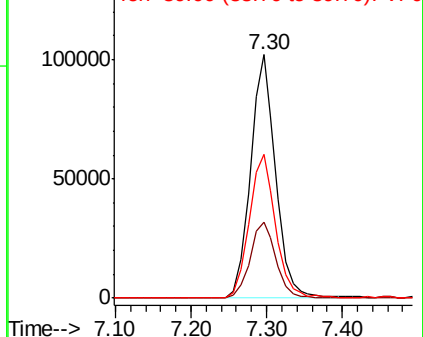
75 100

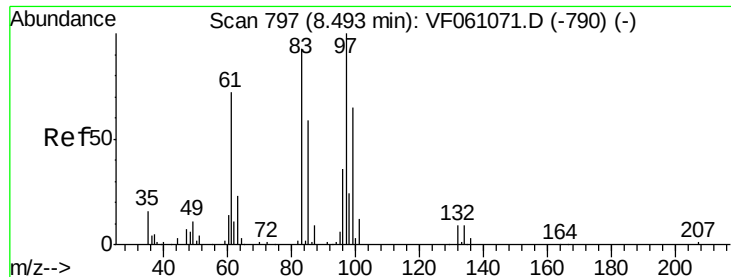
77 31.2 25.0 37.4

39 59.1 50.1 75.1



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 47.025 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 96583

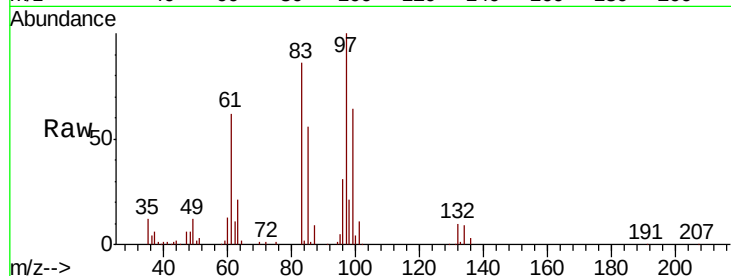
Ion Ratio Lower Upper

97 100

83 86.1 75.0 112.4

85 56.0 47.5 71.3

99 63.7 51.9 77.9

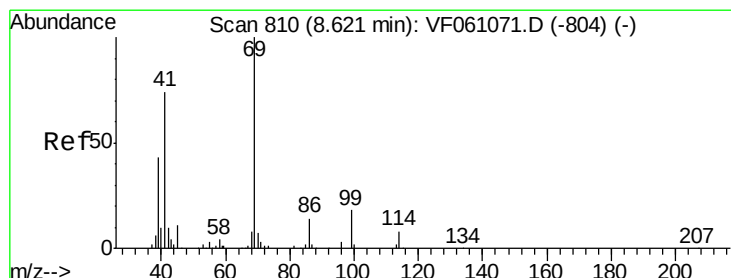
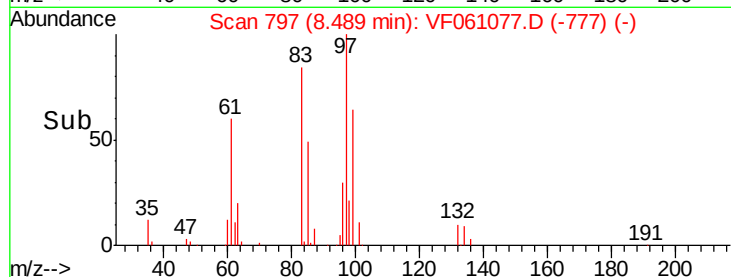
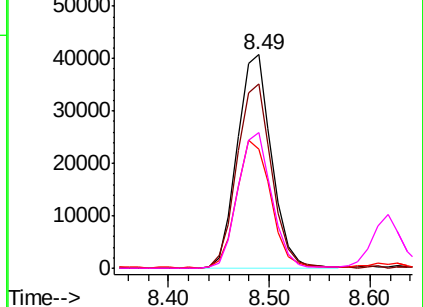


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.678 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

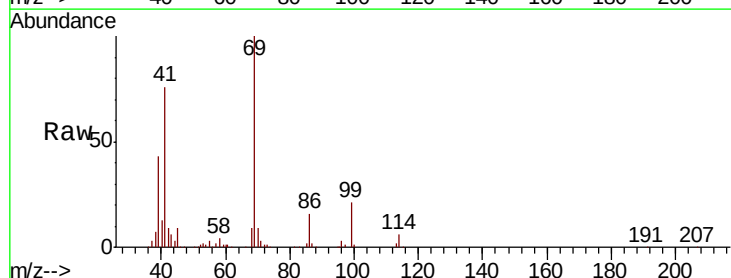
Tgt Ion: 69 Resp: 110407

Ion Ratio Lower Upper

69 100

41 75.8 59.7 89.5

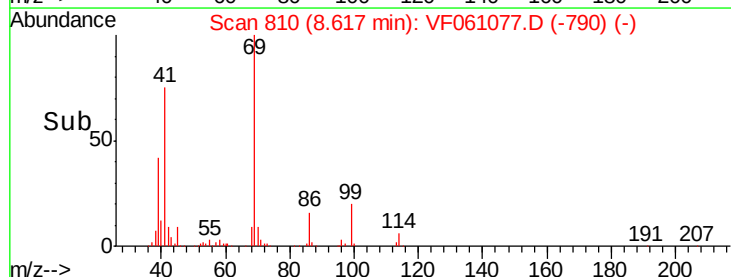
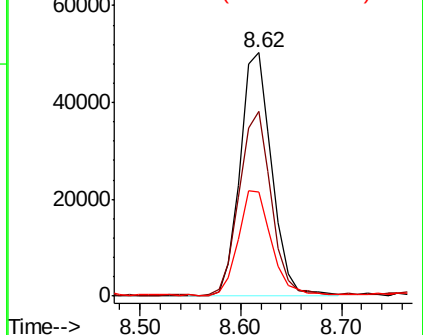
39 42.6 35.0 52.6

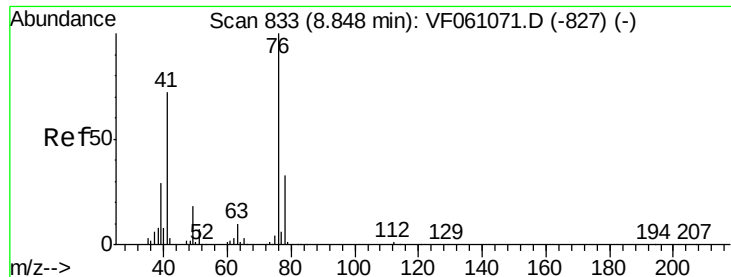


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.518 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

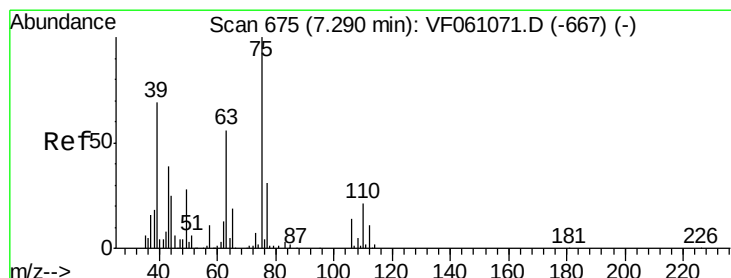
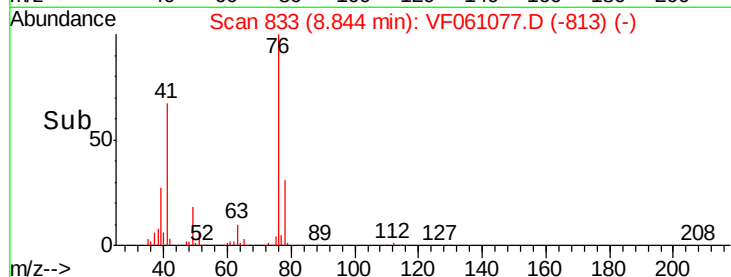
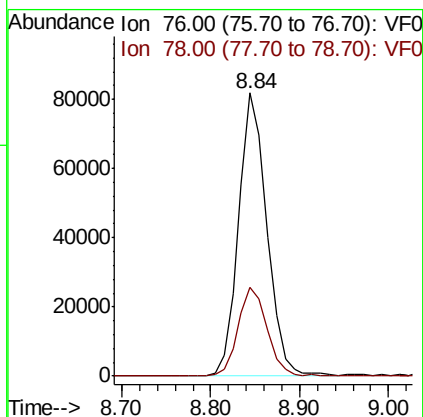
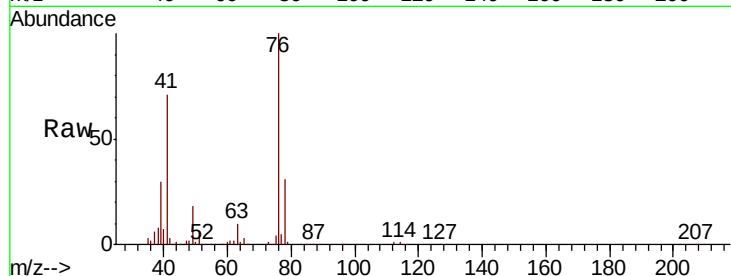
ClientSampleId :

Tot Ion: 76 Resp: 180229

Ion Ratio Lower Upper

76 100

78 31.4 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 247.819 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061077.D

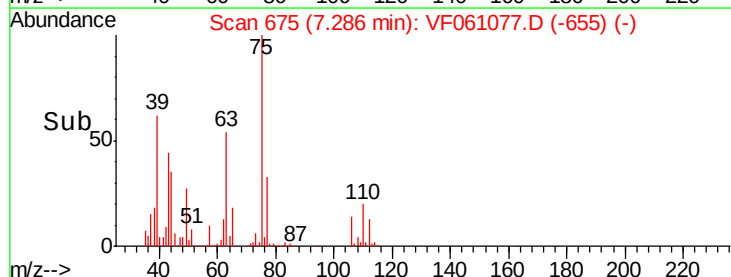
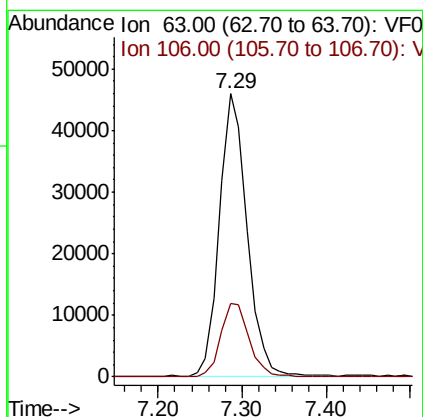
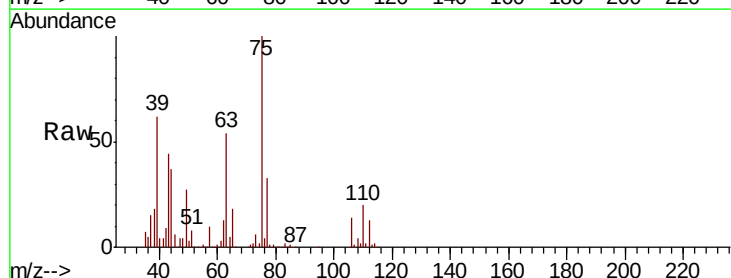
Acq: 19 Dec 2018 11:05

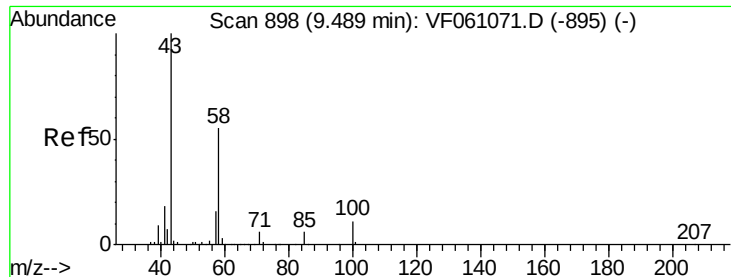
Tgt Ion: 63 Resp: 105778

Ion Ratio Lower Upper

63 100

106 26.0 19.8 29.8

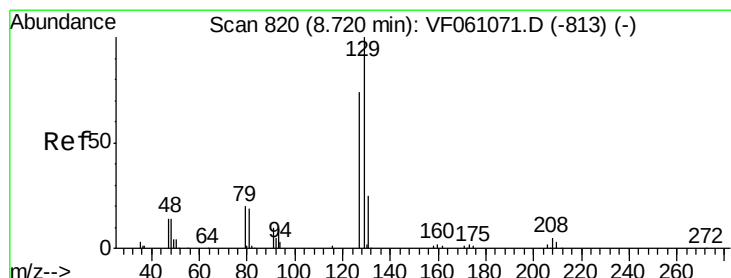
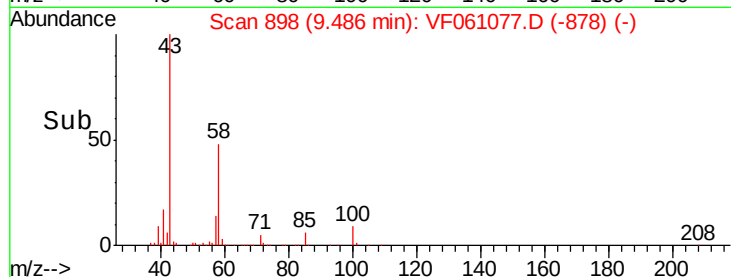
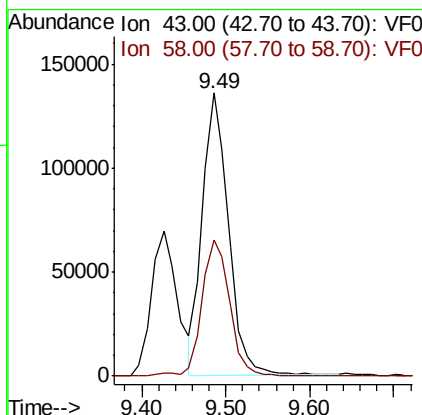
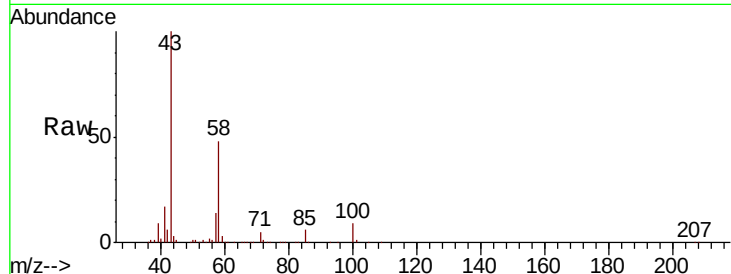




#59
2-Hexanone
Concen: 252.108 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

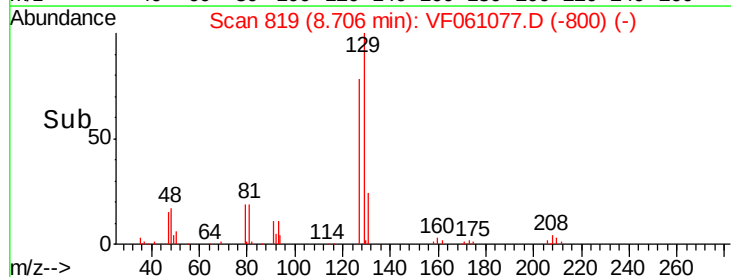
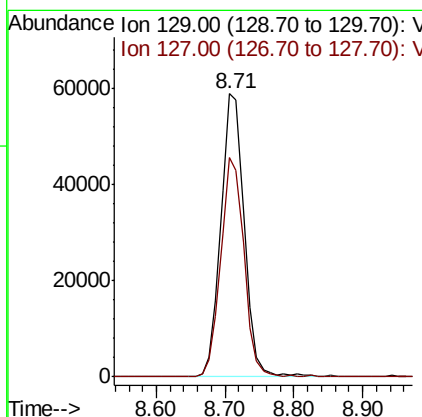
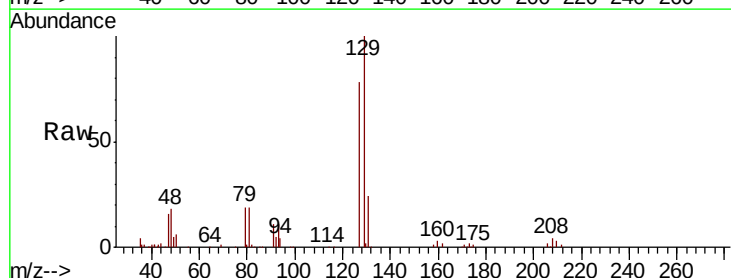
Instrument :
MSVOA_F
ClientSampleId :

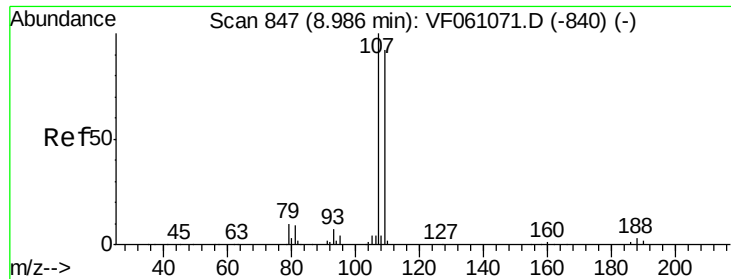
Tot Ion: 43 Resp: 290572
Ion Ratio Lower Upper
43 100
58 48.3 25.1 75.2



#60
Dibromochloromethane
Concen: 47.110 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion:129 Resp: 138698
Ion Ratio Lower Upper
129 100
127 77.5 36.8 110.3





#61

1,2-Dibromoethane

Concen: 49.347 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

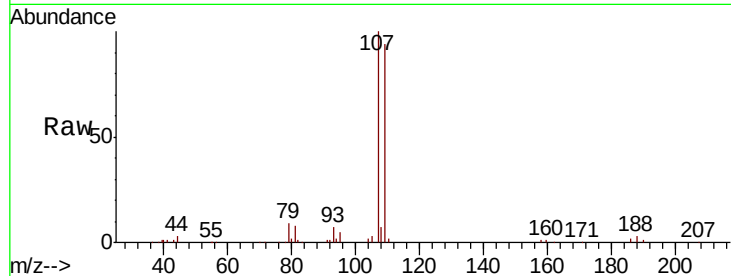
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 108244

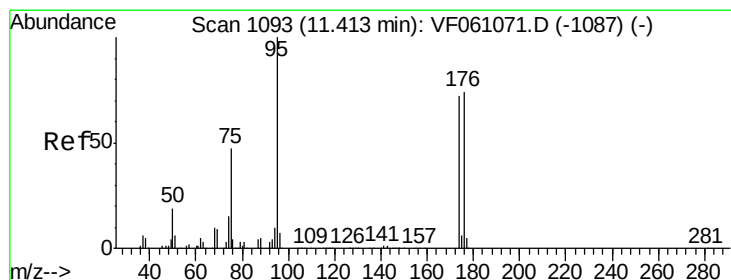
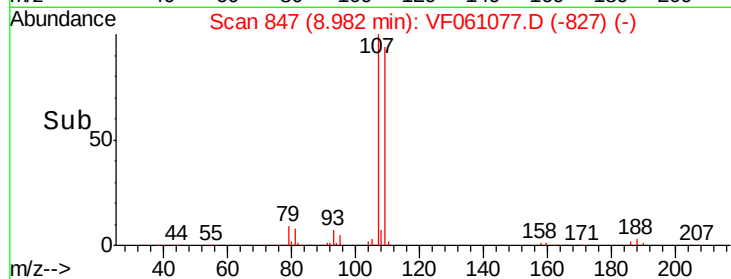
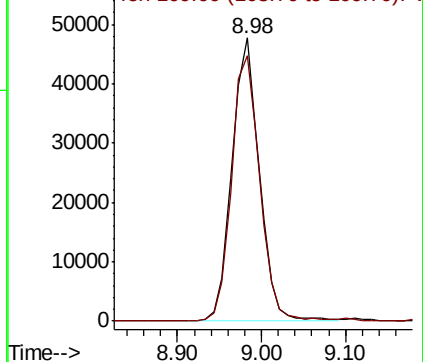
Ion Ratio Lower Upper

107 100

109 93.8 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.316 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

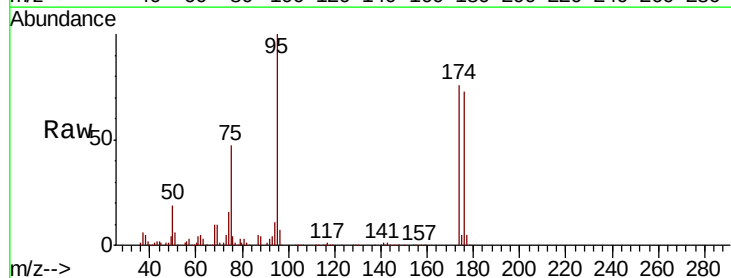
Tgt Ion: 95 Resp: 205784

Ion Ratio Lower Upper

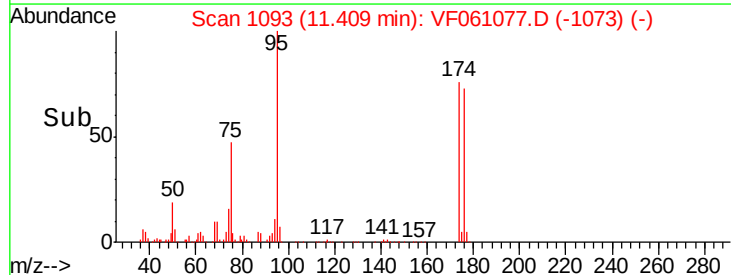
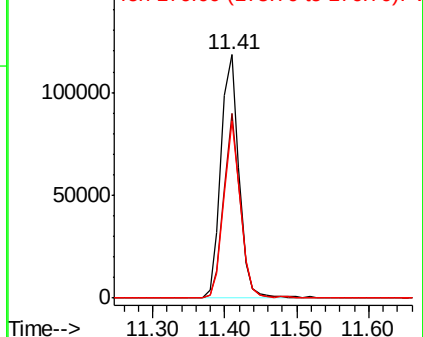
95 100

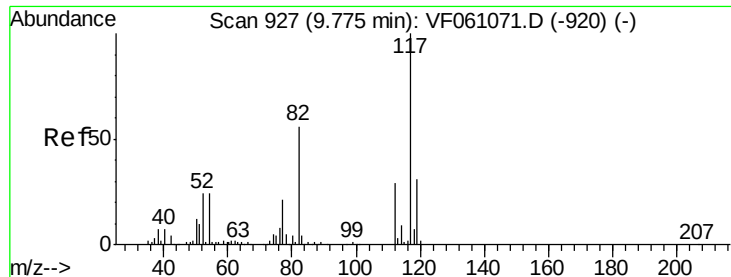
174 76.1 0.0 143.8

176 72.6 0.0 147.6



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

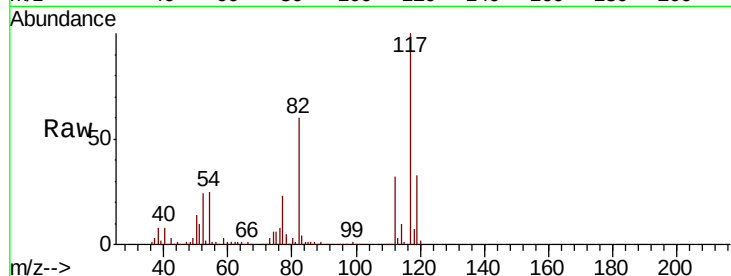




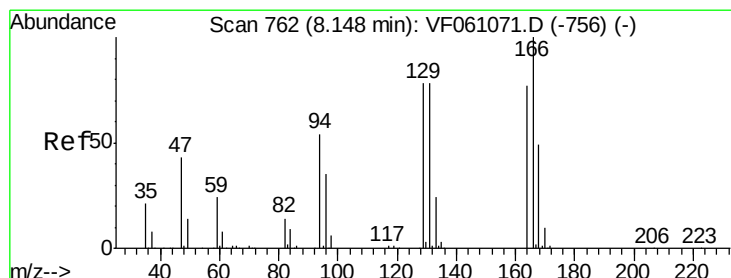
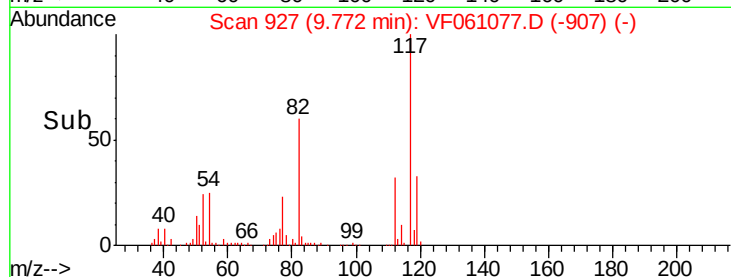
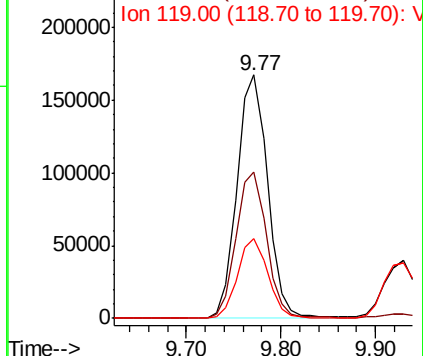
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 375937
Ion Ratio Lower Upper
117 100
82 60.3 45.0 67.4
119 32.8 24.8 37.2

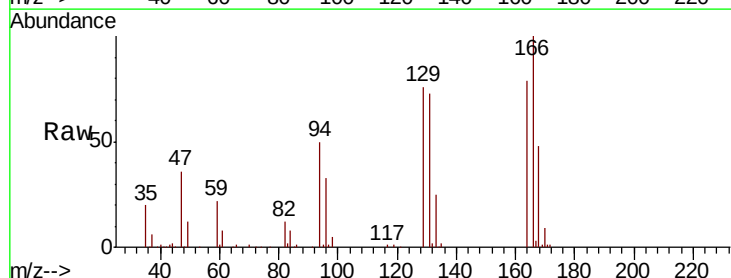


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

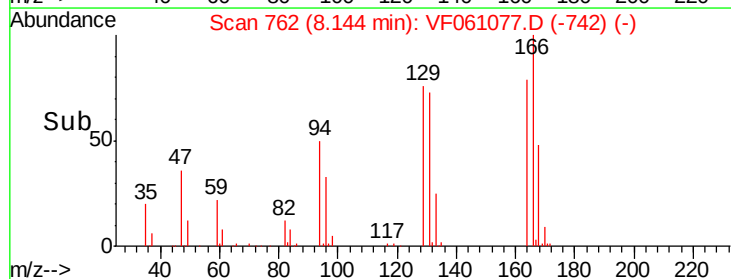
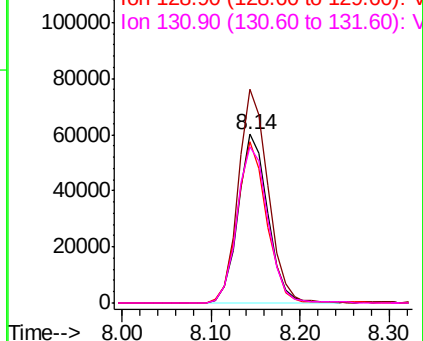


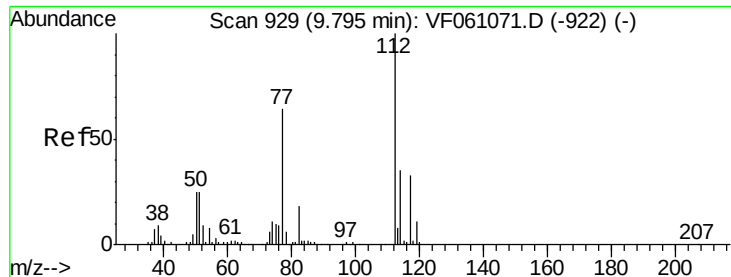
#64
Tetrachloroethene
Concen: 48.044 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion:164 Resp: 138939
Ion Ratio Lower Upper
164 100
166 126.8 104.0 156.0
129 96.1 81.1 121.7
131 92.6 81.2 121.8



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

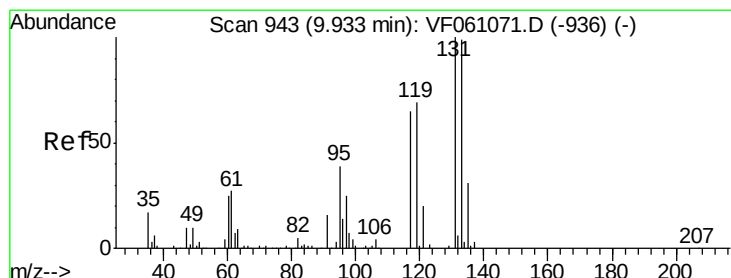
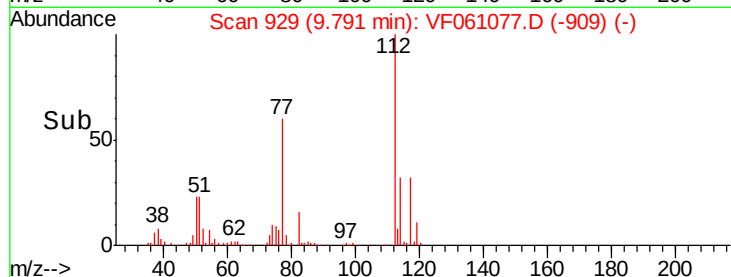
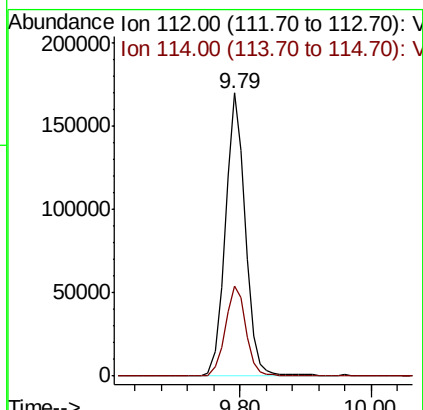
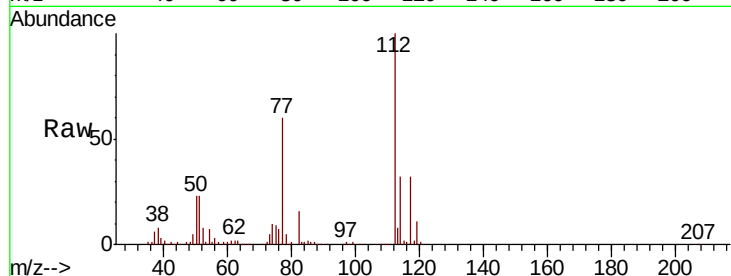




#65
Chlorobenzene
Concen: 46.513 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

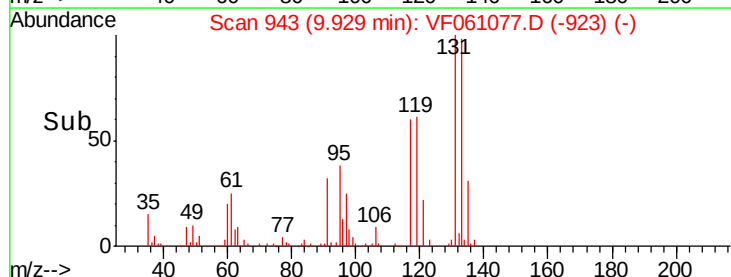
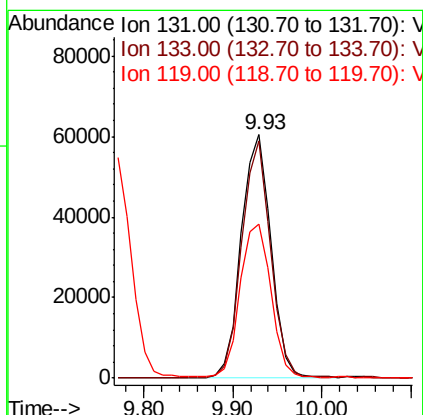
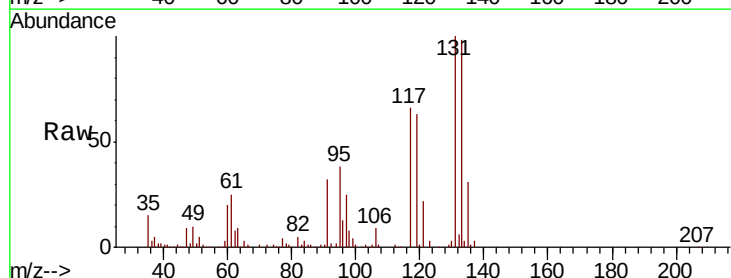
Instrument :
MSVOA_F
ClientSampleId :

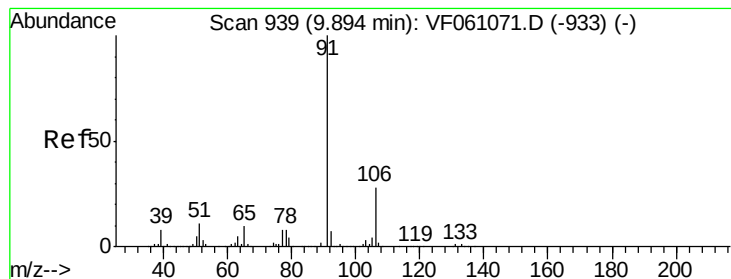
Tot Ion:112 Resp: 361235
Ion Ratio Lower Upper
112 100
114 31.9 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 44.250 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion:131 Resp: 140439
Ion Ratio Lower Upper
131 100
133 97.6 49.5 148.7
119 63.4 34.5 103.5





#67

Ethyl Benzene

Concen: 46.151 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

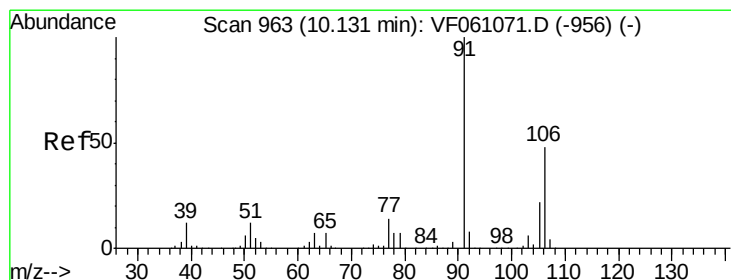
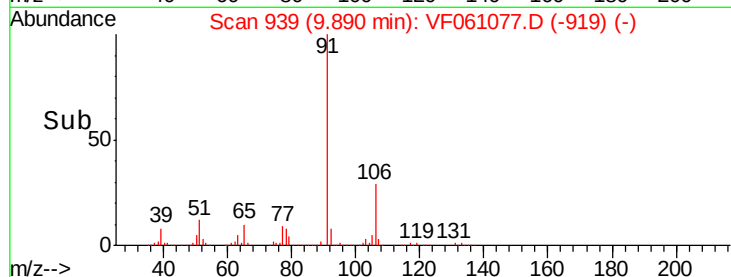
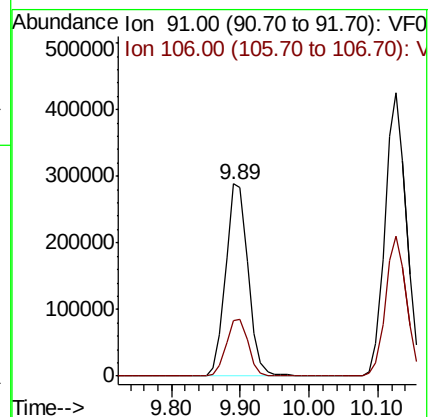
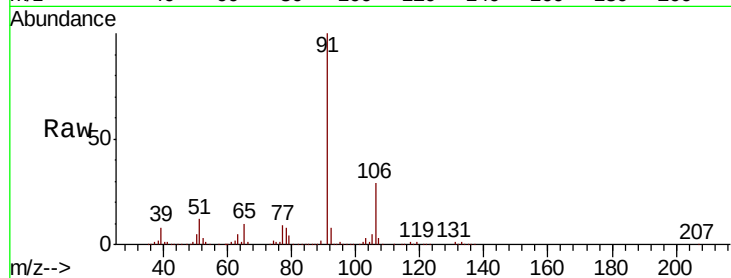
ClientSampleId :

Tot Ion: 91 Resp: 652978

Ion Ratio Lower Upper

91 100

106 28.8 22.5 33.7



#68

m/p-Xylenes

Concen: 90.779 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061077.D

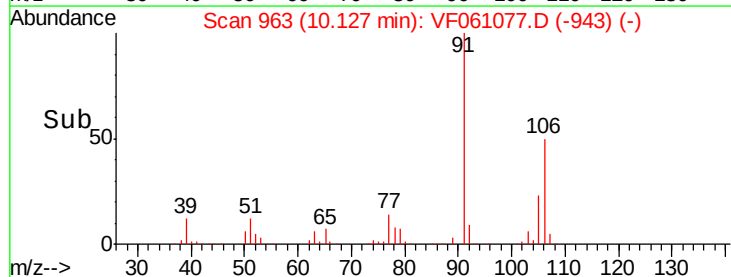
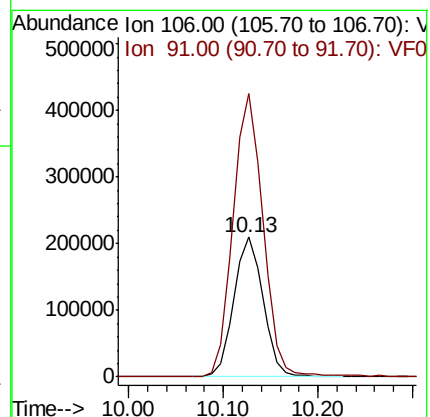
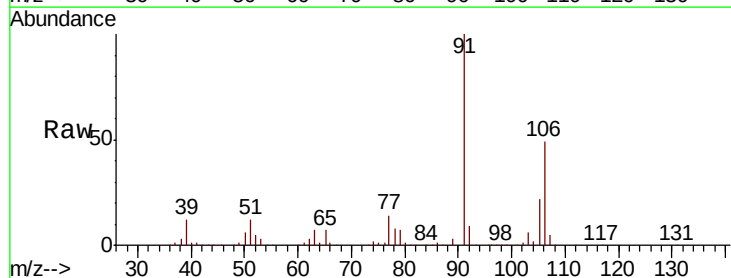
Acq: 19 Dec 2018 11:05

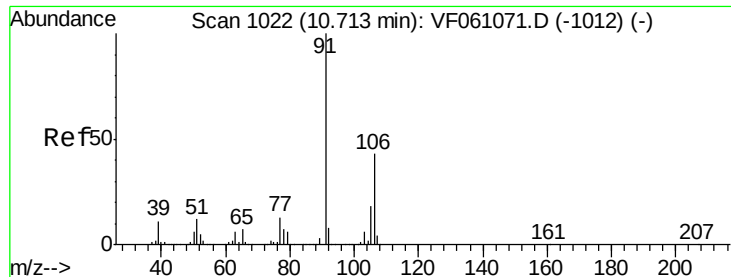
Tgt Ion: 106 Resp: 452016

Ion Ratio Lower Upper

106 100

91 203.0 168.2 252.2

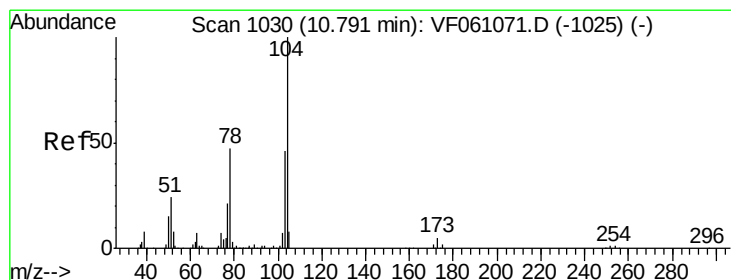
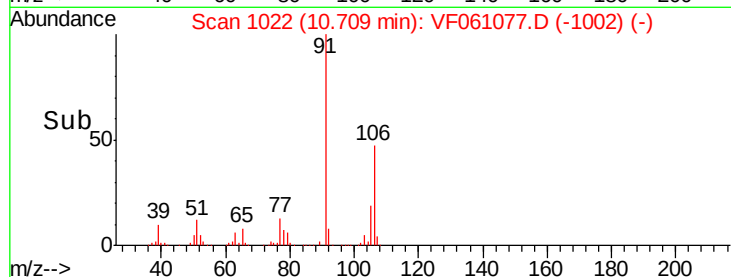
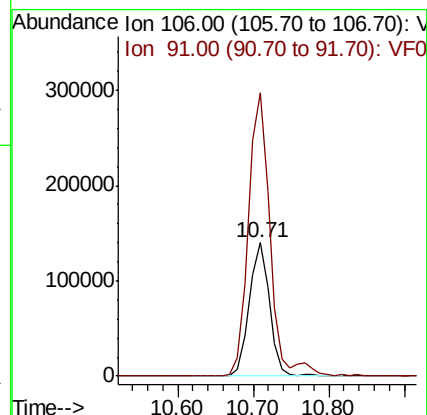
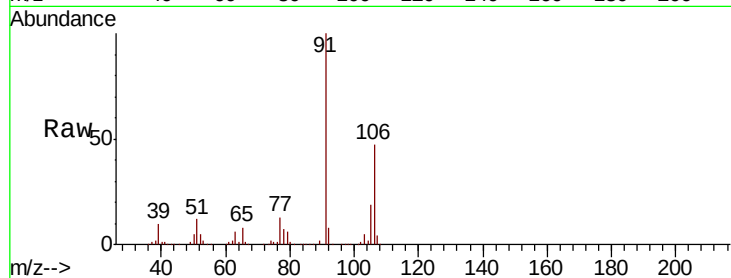




#69
o-Xylene
Concen: 47.073 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

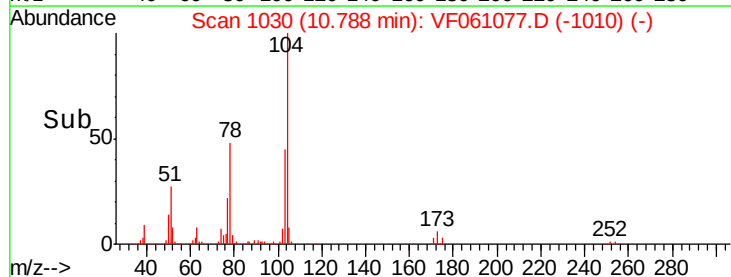
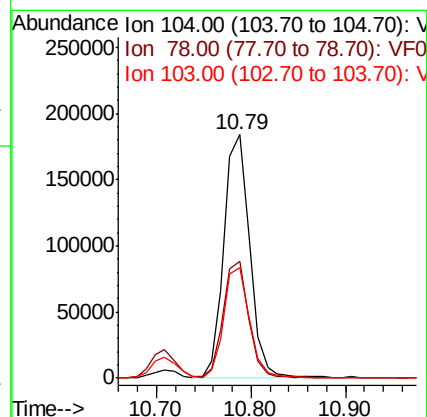
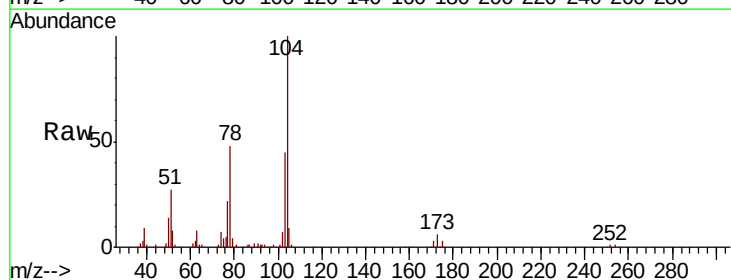
Instrument :
MSVOA_F
ClientSampleId :

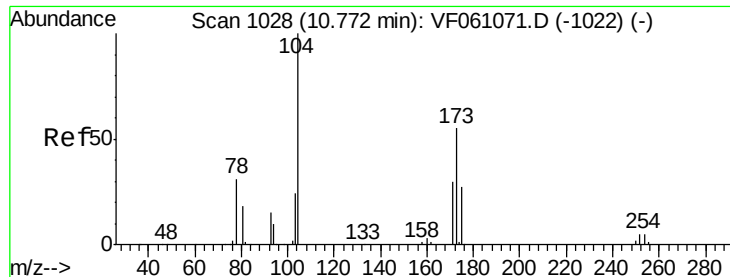
Tot Ion:106 Resp: 259954
Ion Ratio Lower Upper
106 100
91 212.6 115.9 347.7



#70
Styrene
Concen: 51.855 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion:104 Resp: 347730
Ion Ratio Lower Upper
104 100
78 47.9 38.4 57.6
103 45.4 37.0 55.6





#71

Bromoform

Concen: 47.212 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

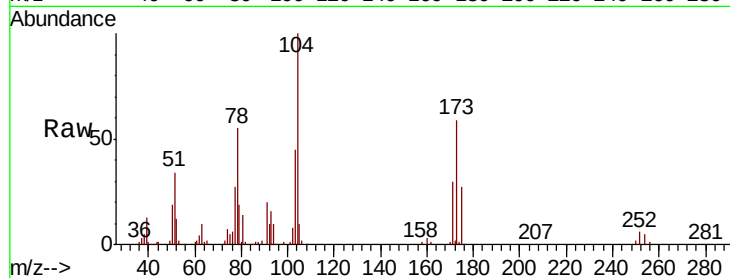
Tot Ion:173 Resp: 69324

Ion Ratio Lower Upper

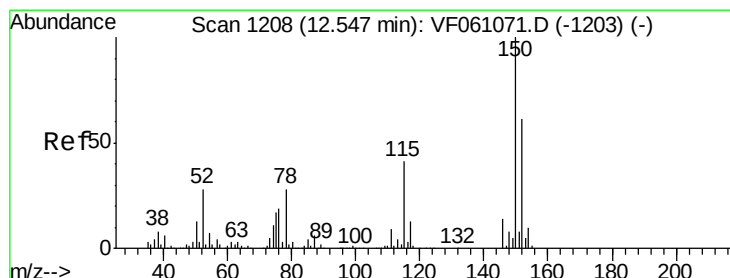
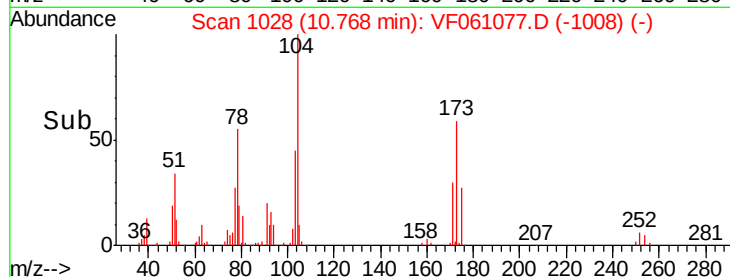
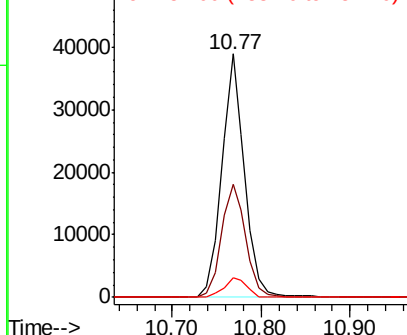
173 100

175 46.2 24.8 74.4

254 8.3 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

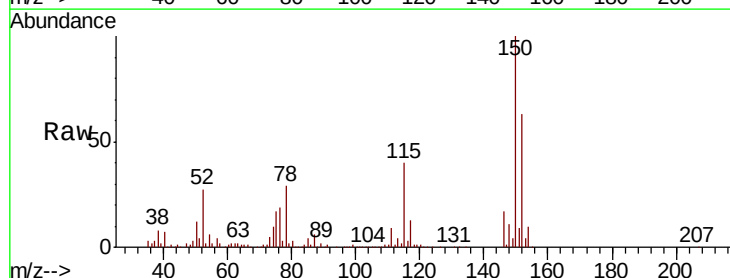
Tgt Ion:152 Resp: 168629

Ion Ratio Lower Upper

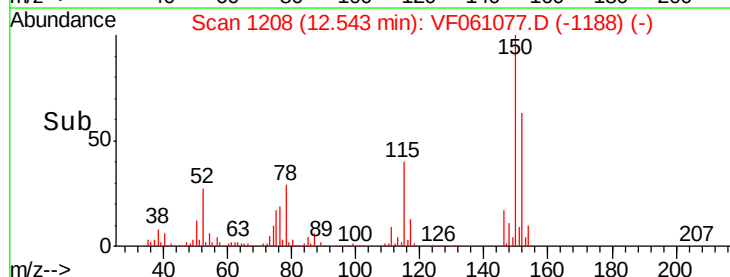
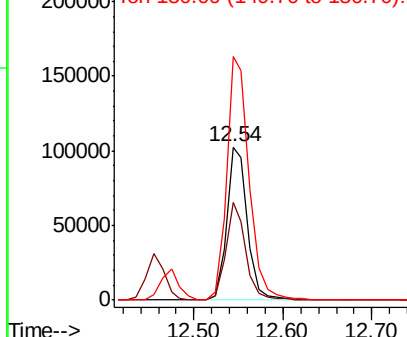
152 100

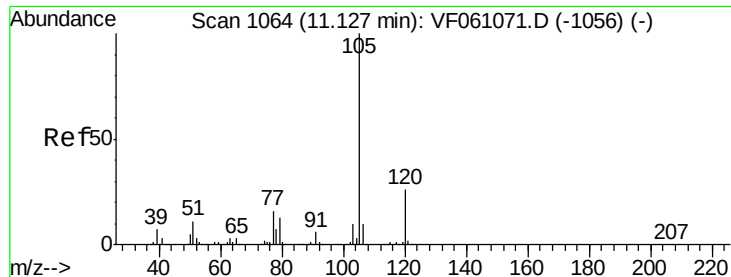
115 63.6 33.3 99.9

150 159.0 0.0 328.2



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





#73

Isopropylbenzene

Concen: 49.532 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

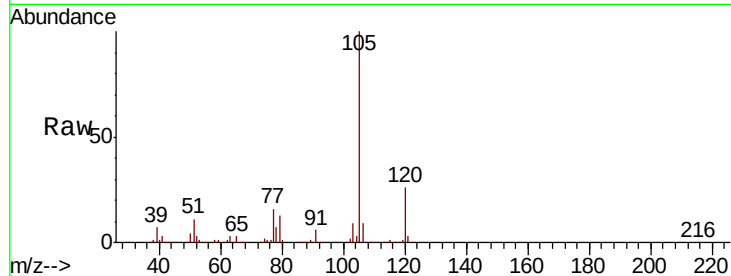
ClientSampleId :

Tot Ion:105 Resp: 719784

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

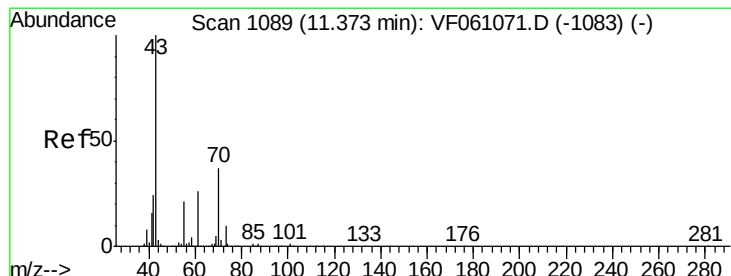
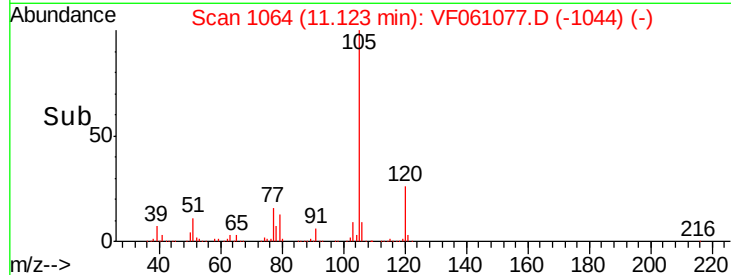
200000

100000

0

11.00 11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 52.935 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Tgt Ion: 43 Resp: 170782

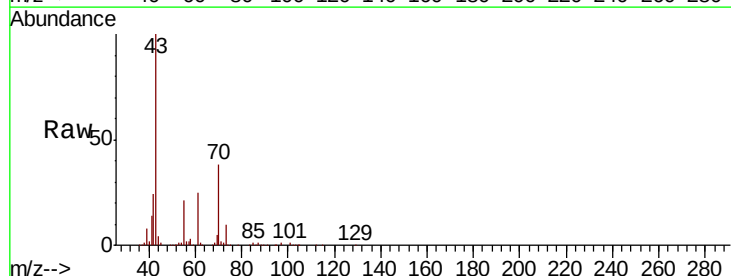
Ion Ratio Lower Upper

43 100

70 37.8 29.2 43.8

55 20.7 16.5 24.7

61 25.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

150000

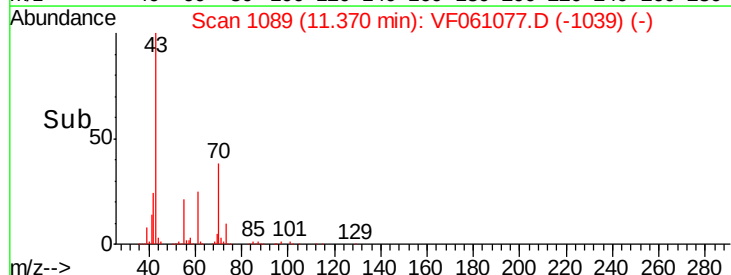
100000

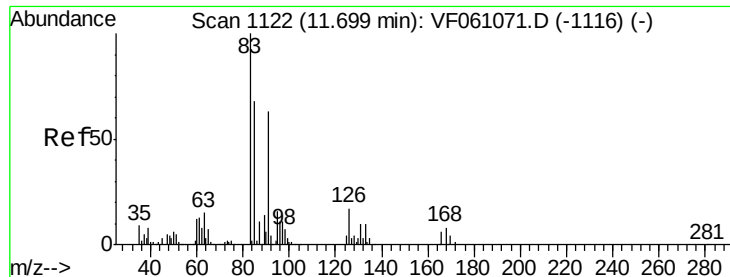
50000

0

11.20 11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.885 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

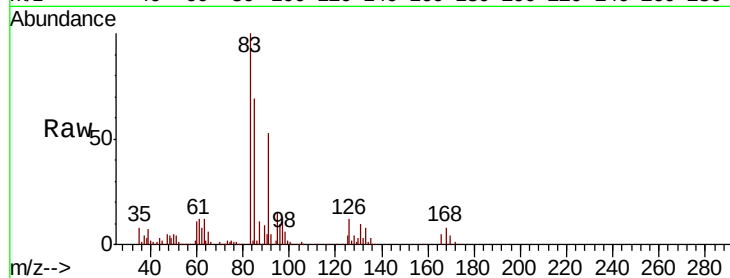
Tot Ion: 83 Resp: 120311

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

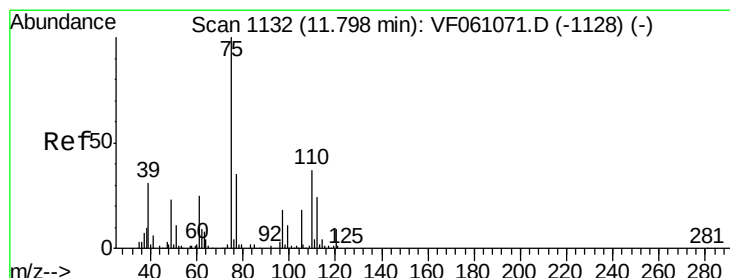
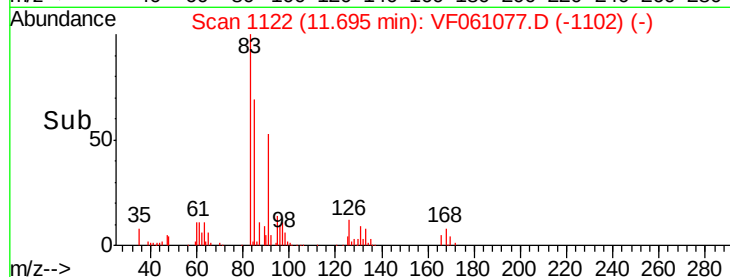
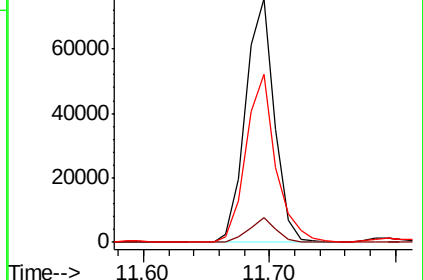
85 69.3 33.9 101.6



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: 47.642 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061077.D

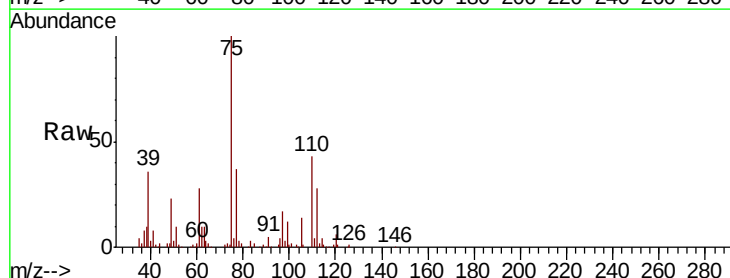
Acq: 19 Dec 2018 11:05

Tgt Ion: 75 Resp: 85509

Ion Ratio Lower Upper

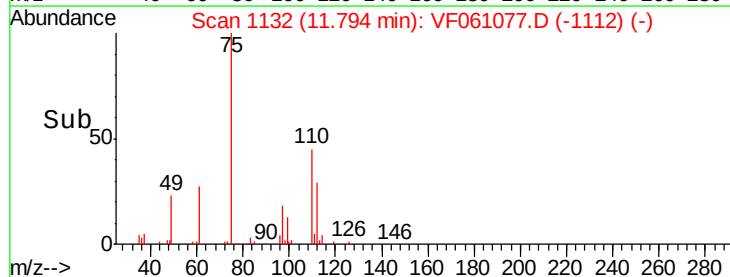
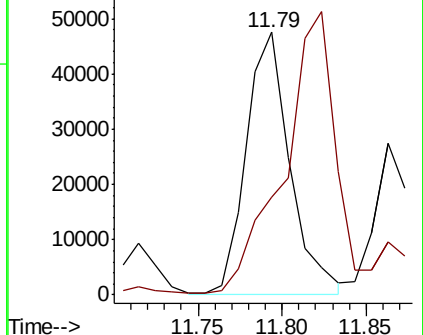
75 100

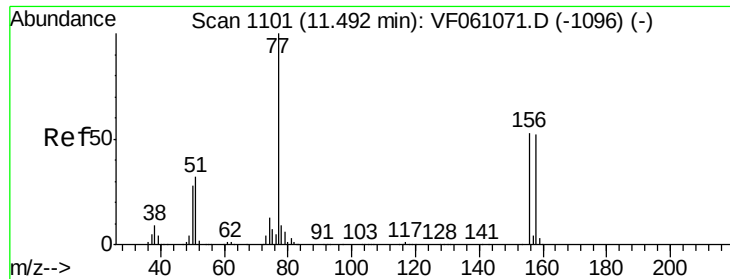
77 37.3 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.095 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

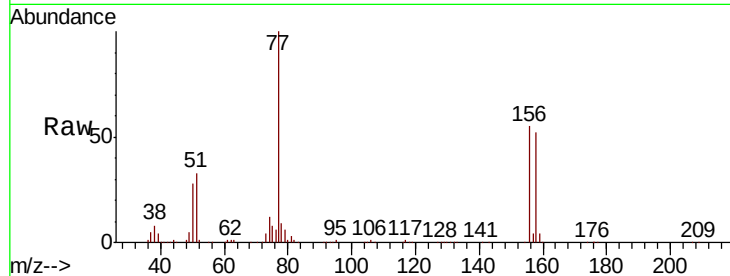
Tot Ion:156 Resp: 159835

Ion Ratio Lower Upper

156 100

77 182.0 93.8 281.4

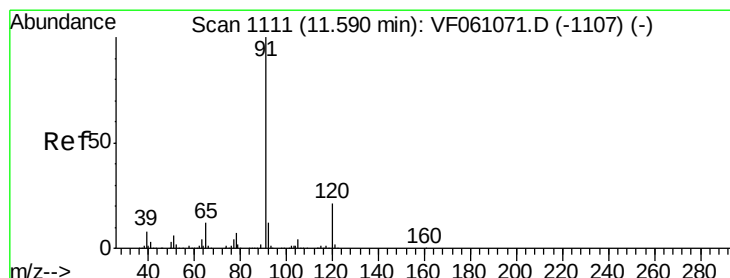
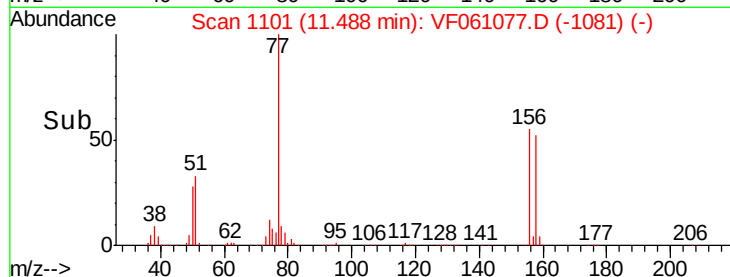
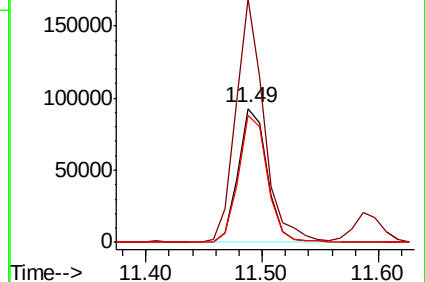
158 95.2 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.926 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061077.D

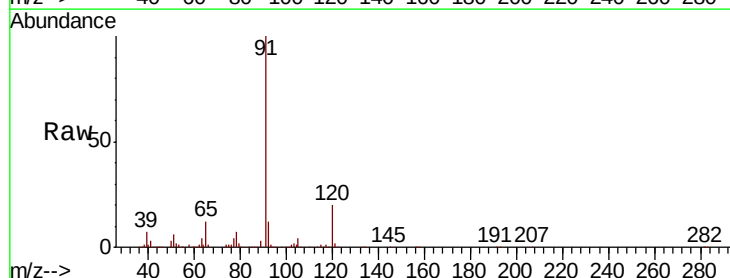
Acq: 19 Dec 2018 11:05

Tgt Ion: 91 Resp: 848755

Ion Ratio Lower Upper

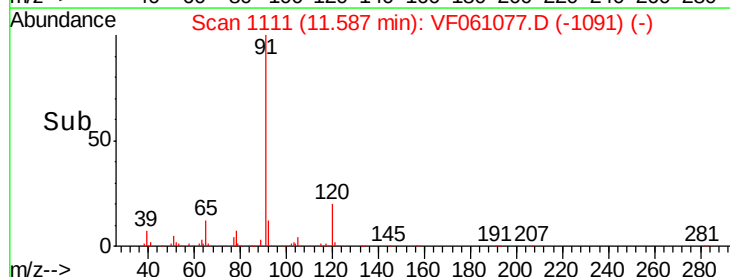
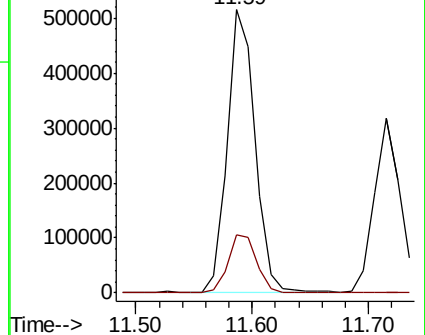
91 100

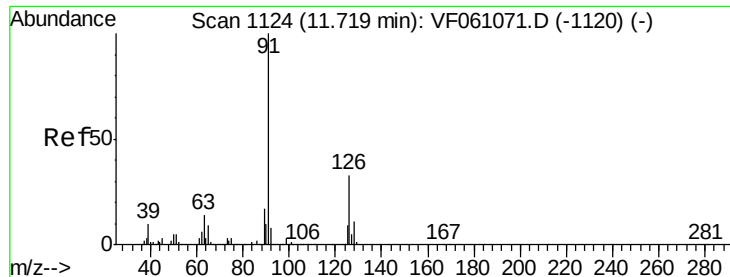
120 20.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.559 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

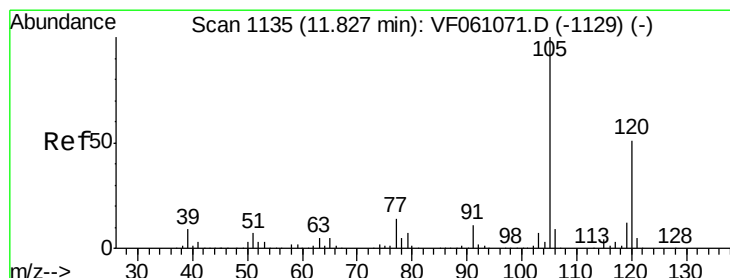
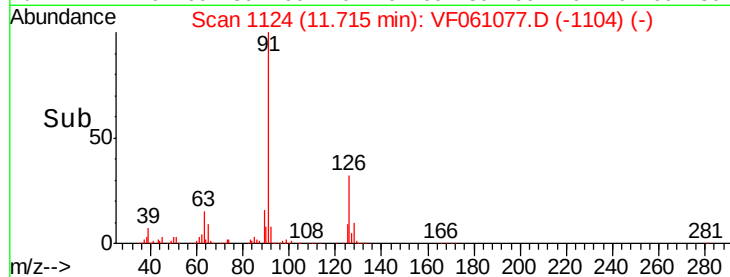
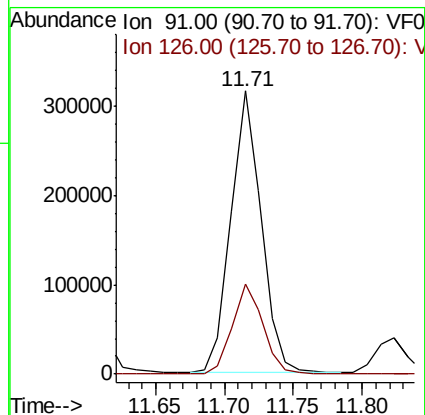
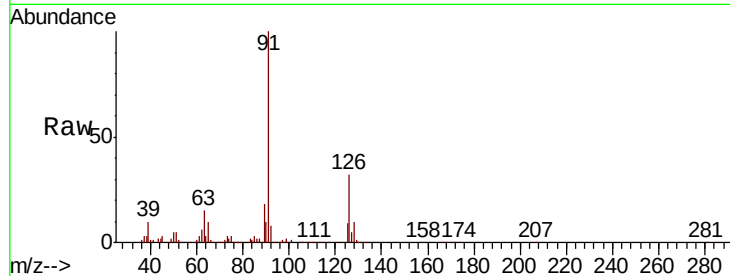
ClientSampleId :

Tot Ion: 91 Resp: 484071

Ion Ratio Lower Upper

91 100

126 31.8 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 48.613 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061077.D

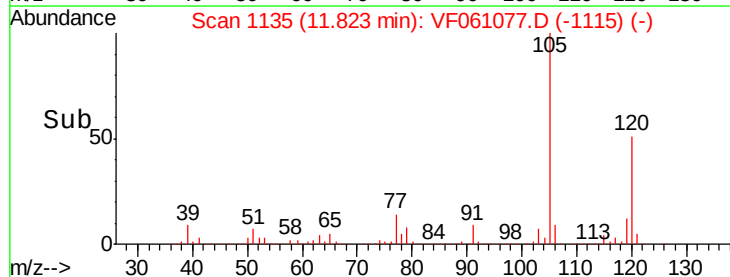
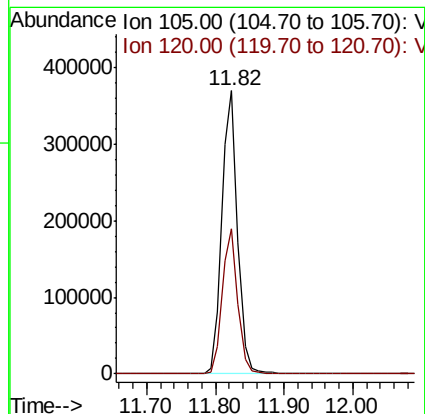
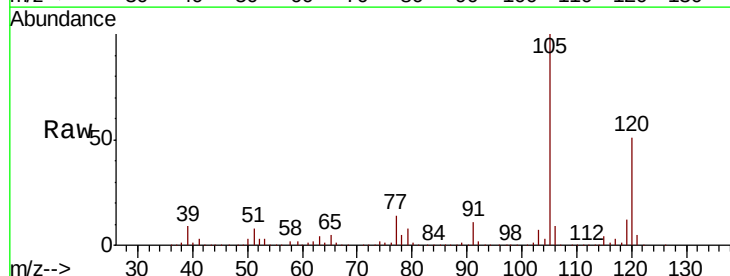
Acq: 19 Dec 2018 11:05

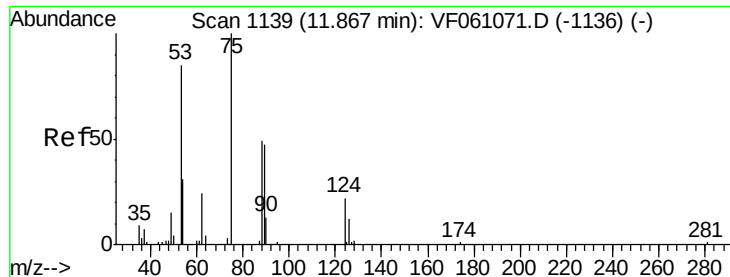
Tgt Ion:105 Resp: 581693

Ion Ratio Lower Upper

105 100

120 51.4 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 74.774 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

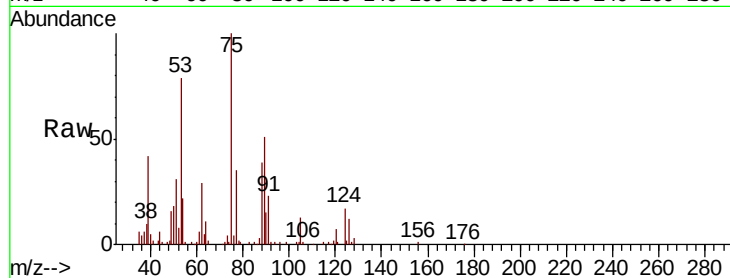
Tot Ion: 75 Resp: 57670

Ion Ratio Lower Upper

75 100

53 79.3 74.1 111.1

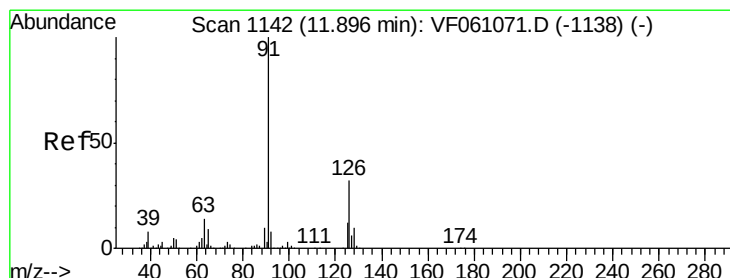
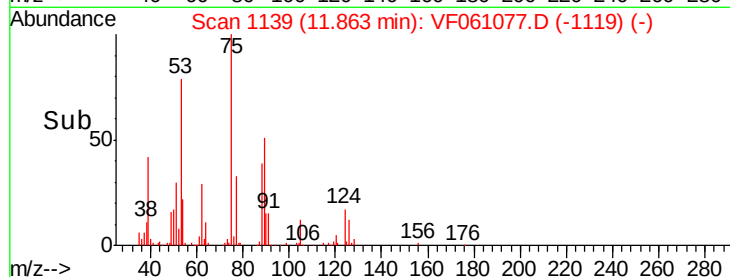
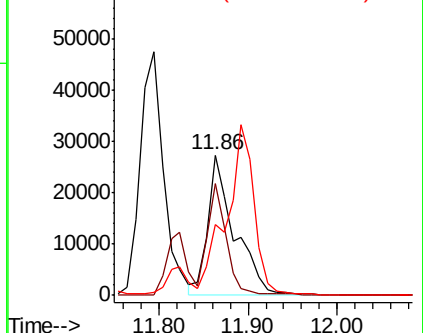
89 50.8 42.6 64.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 48.022 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061077.D

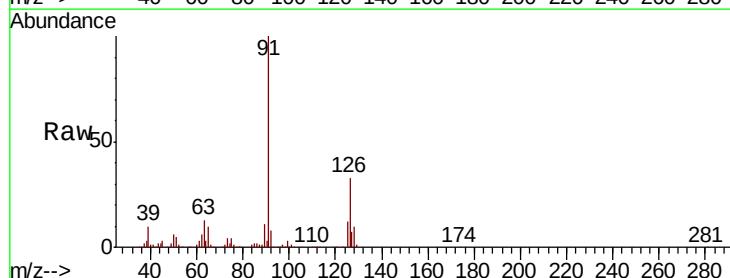
Acq: 19 Dec 2018 11:05

Tgt Ion: 91 Resp: 495224

Ion Ratio Lower Upper

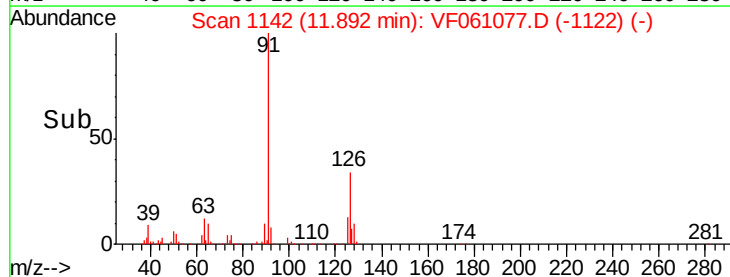
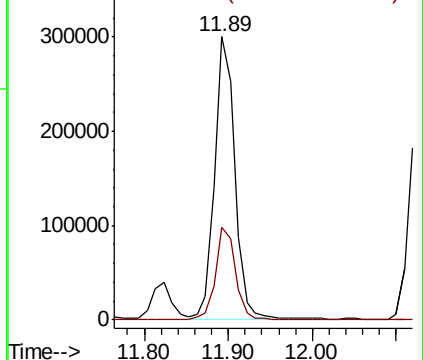
91 100

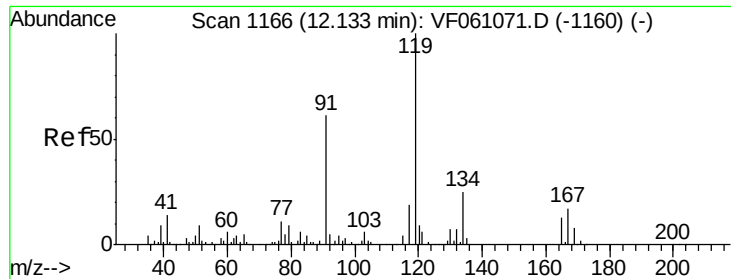
126 32.6 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

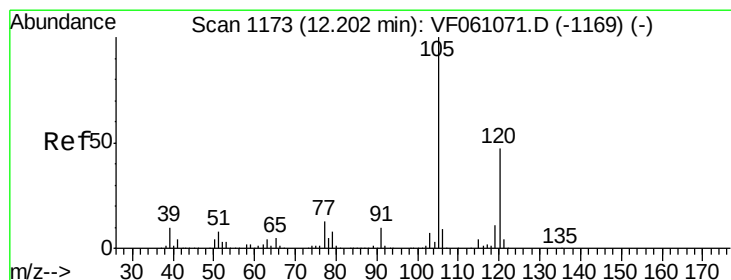
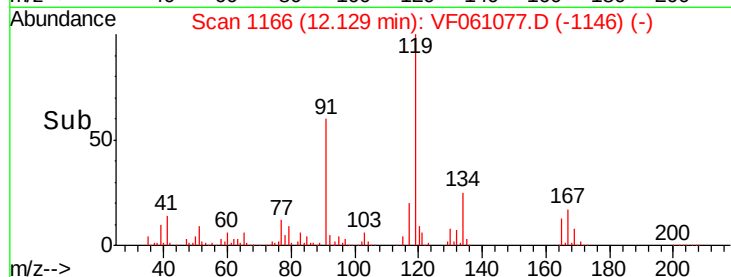
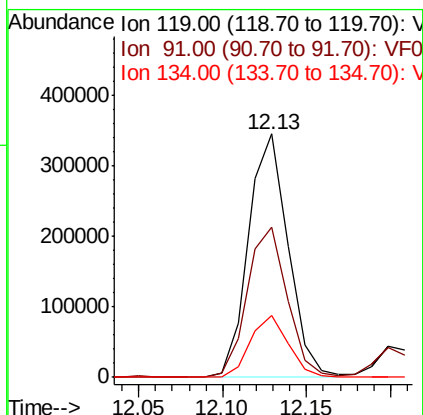
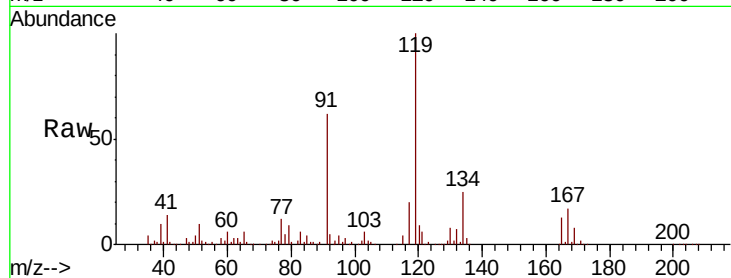




#83
 tert-Butylbenzene
 Concen: 46.016 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

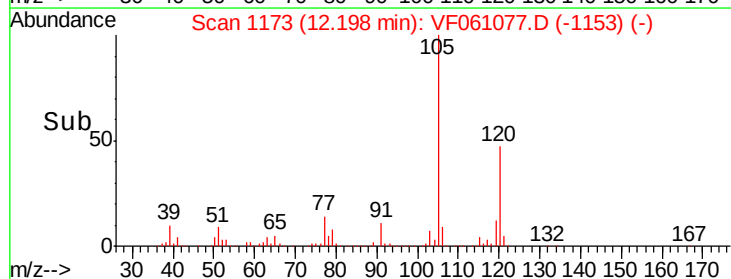
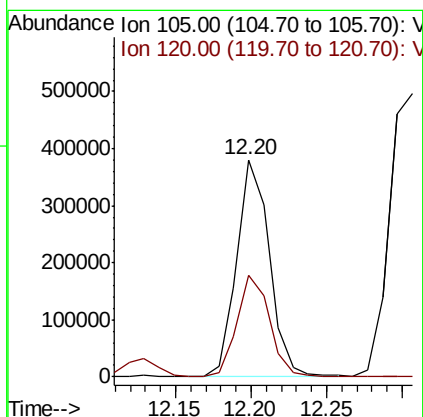
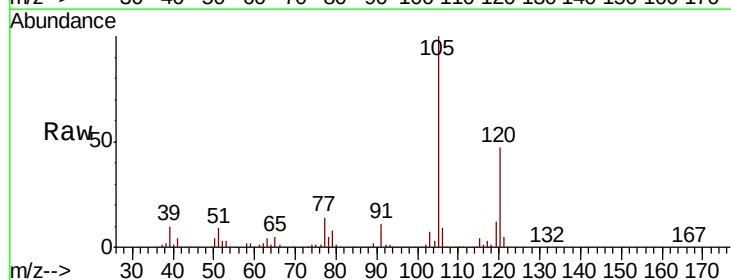
Instrument :
 MSVOA_F
 ClientSampleId :

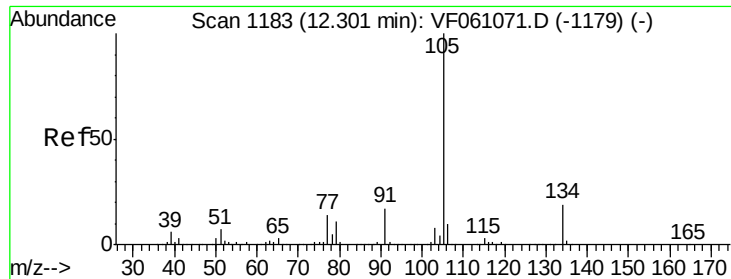
Tot Ion:119 Resp: 566595
 Ion Ratio Lower Upper
 119 100
 91 61.7 30.5 91.5
 134 25.5 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 47.989 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Tgt Ion:105 Resp: 572625
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.6 71.0





#85

sec-Butylbenzene

Concen: 50.468 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

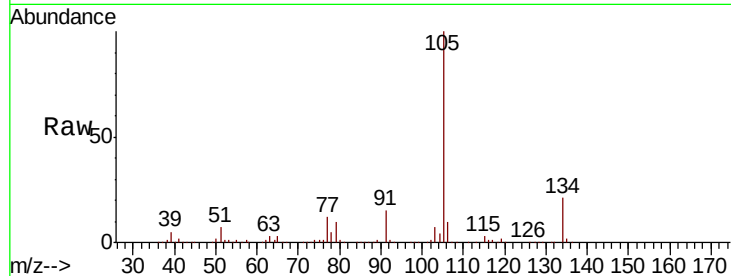
ClientSampleId :

Tot Ion:105 Resp: 810953

Ion Ratio Lower Upper

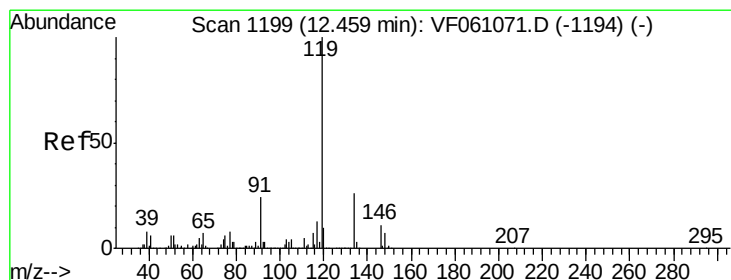
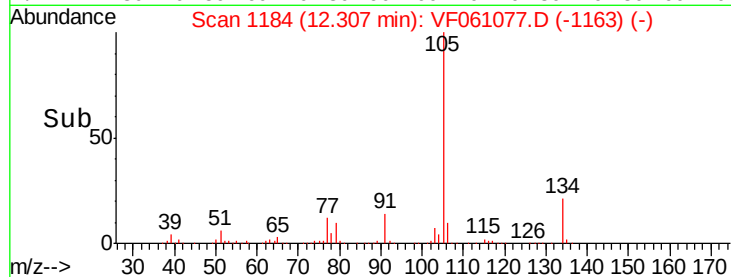
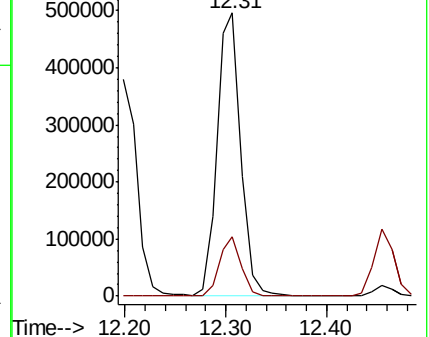
105 100

134 20.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.105 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

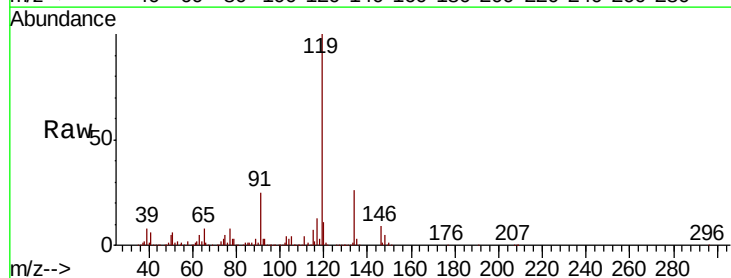
Tgt Ion:119 Resp: 668288

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

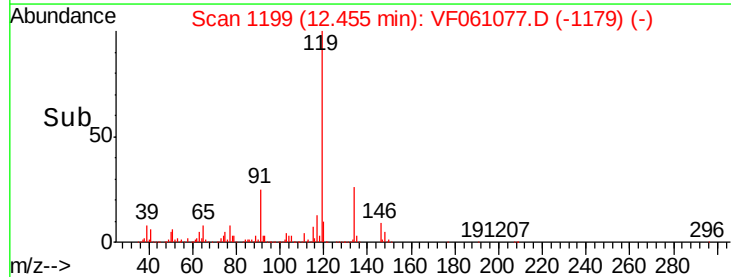
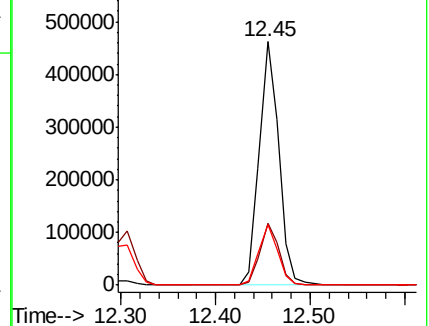
91 24.7 12.2 36.6

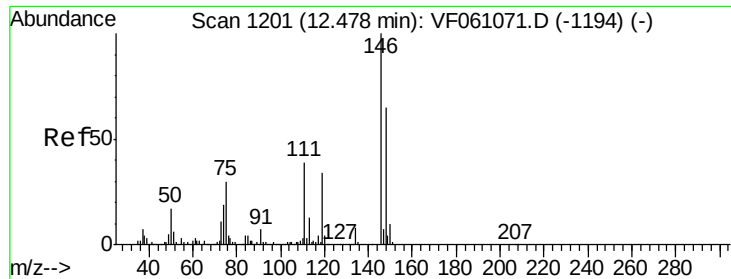


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

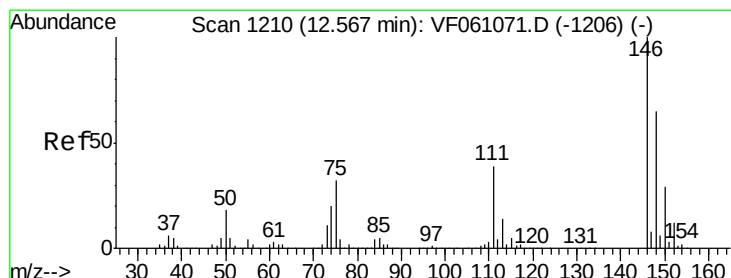
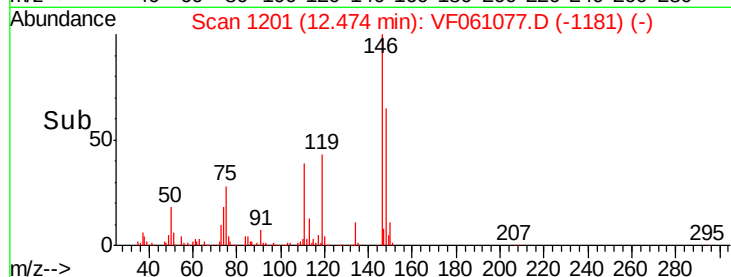
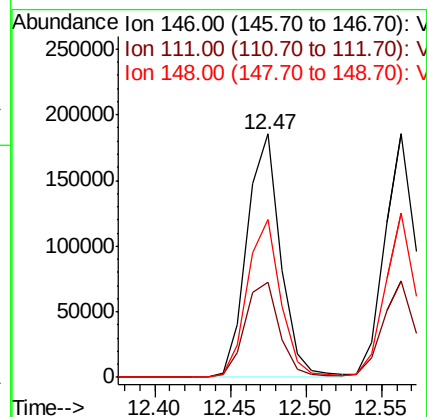
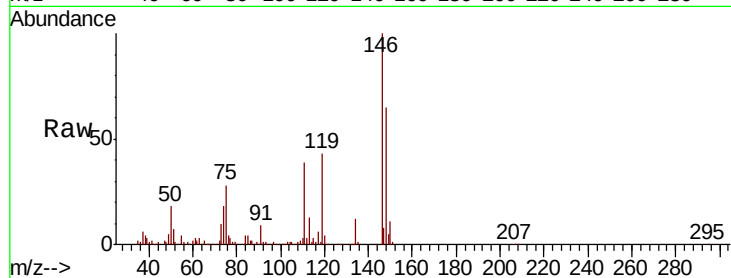




#87
 1,3-Dichlorobenzene
 Concen: 57.147 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

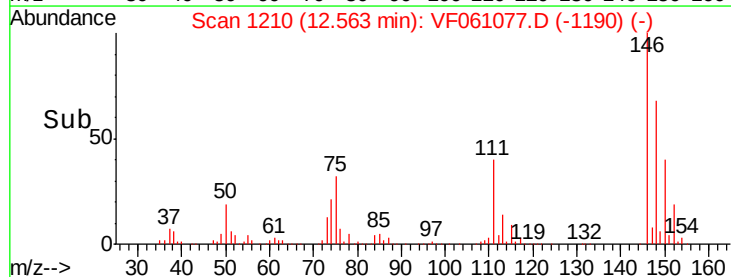
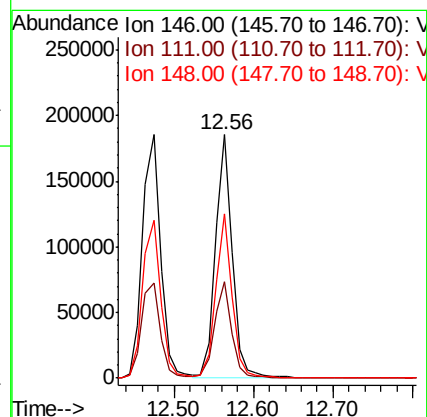
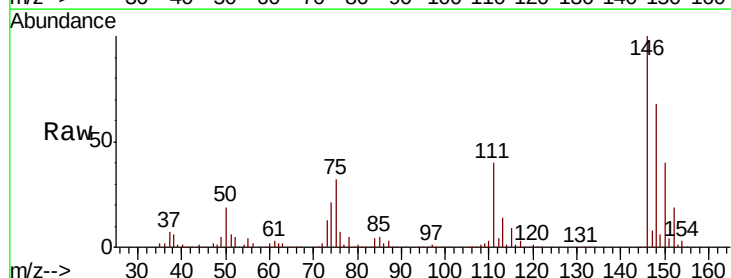
Instrument :
 MSVOA_F
 ClientSampled :

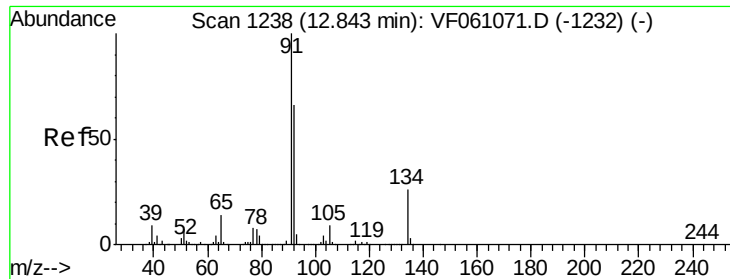
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	64.9	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 48.129 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.4
148	67.7	32.4	97.0

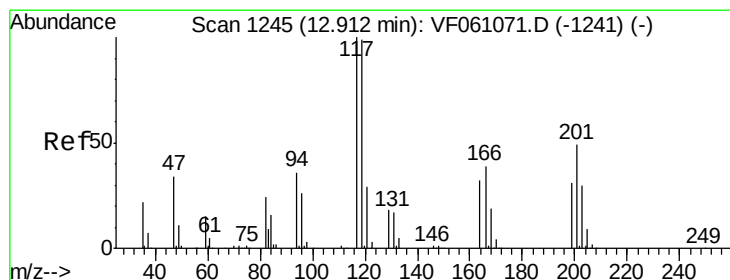
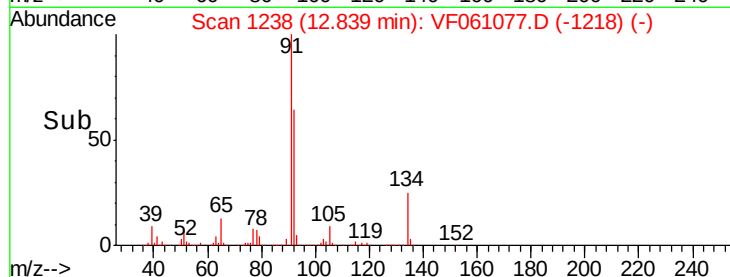
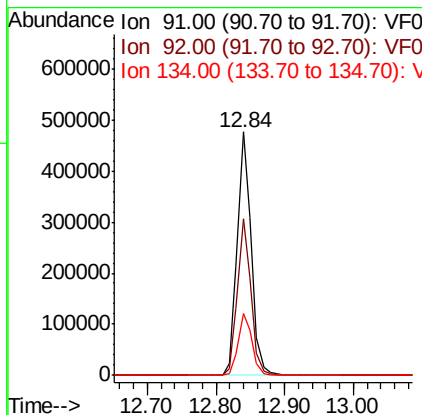
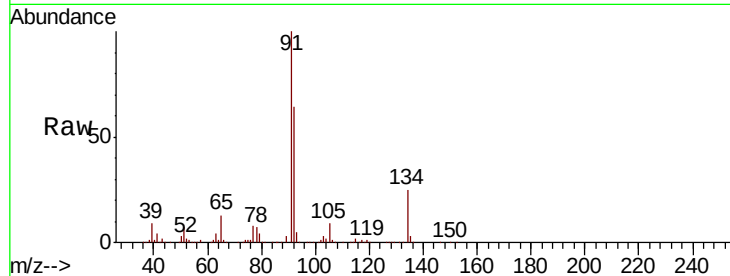




#89
n-Butylbenzene
Concen: 49.152 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

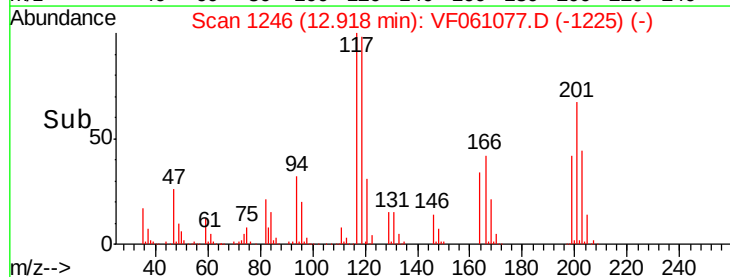
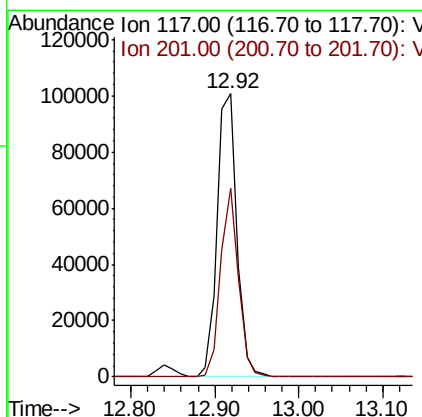
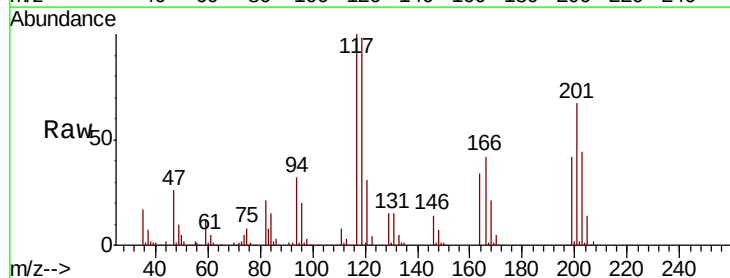
Instrument :
MSVOA_F
ClientSampled :

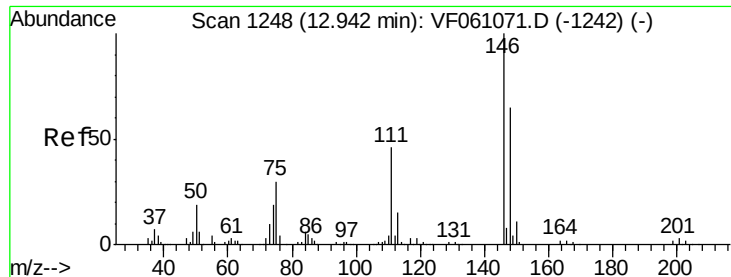
Tot Ion: 91 Resp: 664850
Ion Ratio Lower Upper
91 100
92 64.3 32.8 98.4
134 25.4 13.2 39.5



#90
Hexachloroethane
Concen: 50.072 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion: 117 Resp: 165001
Ion Ratio Lower Upper
117 100
201 66.6 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 49.135 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

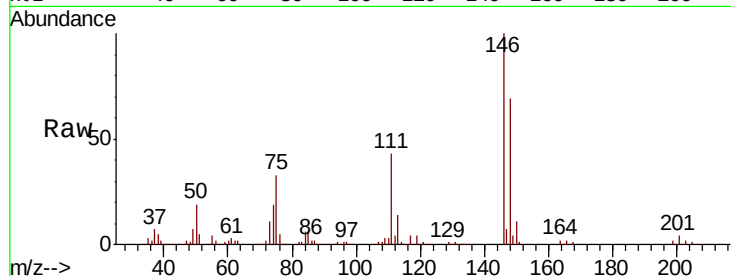
Tot Ion:146 Resp: 274780

Ion Ratio Lower Upper

146 100

111 42.6 23.2 69.5

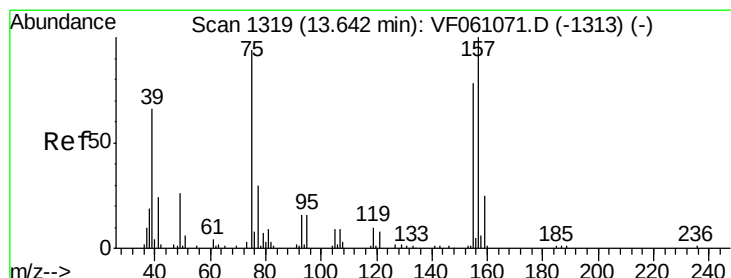
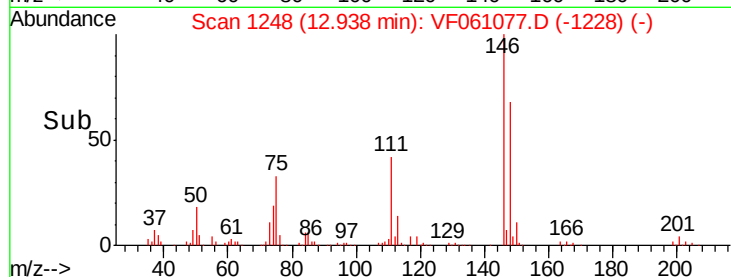
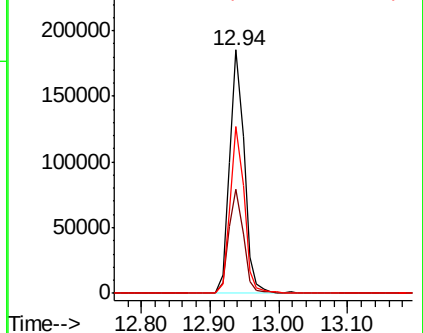
148 68.6 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.523 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061077.D

Acq: 19 Dec 2018 11:05

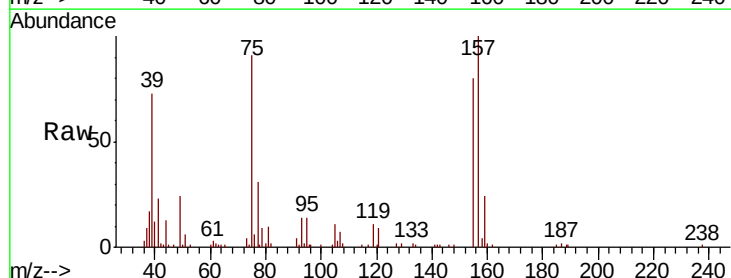
Tgt Ion: 75 Resp: 22360

Ion Ratio Lower Upper

75 100

155 87.5 41.5 124.5

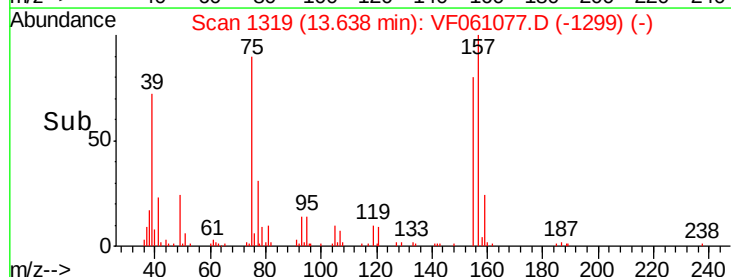
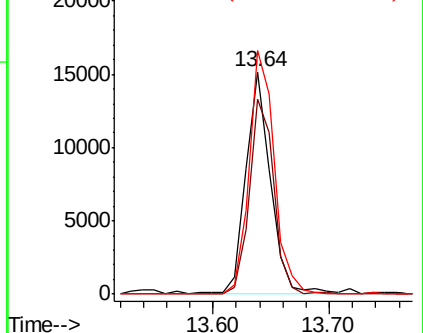
157 109.6 53.2 159.6

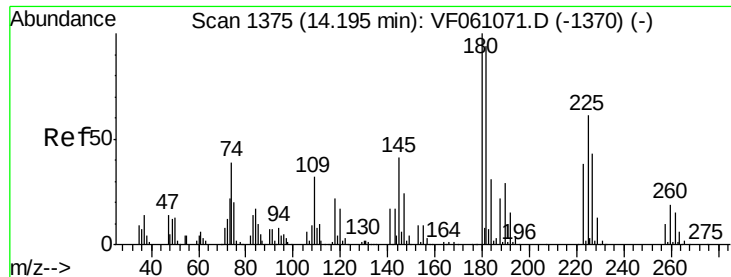


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

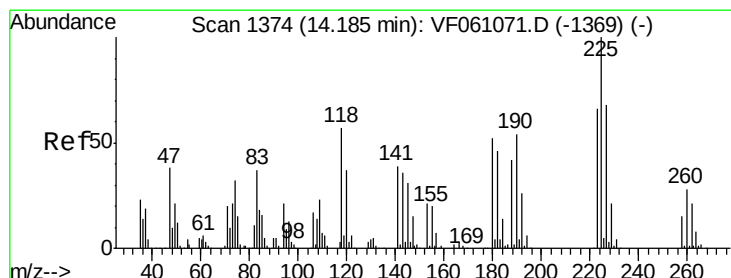
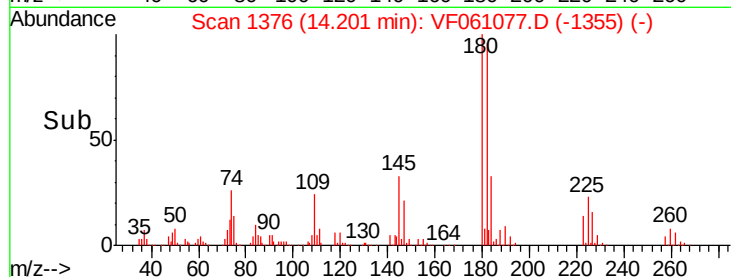
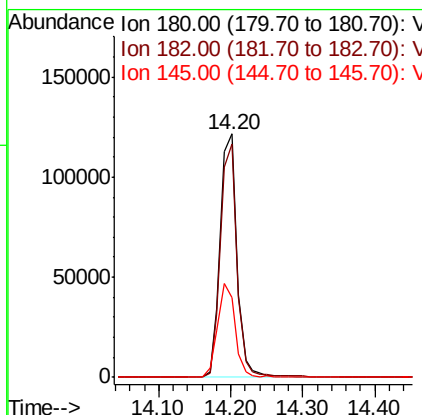
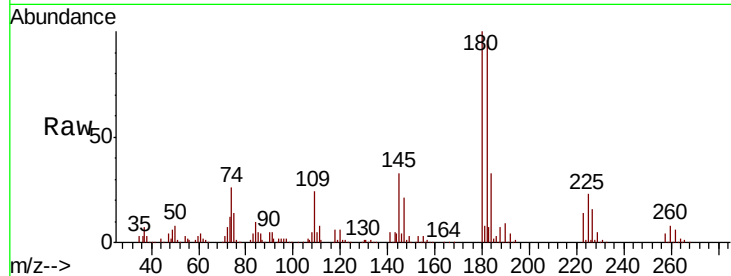




#93
 1,2,4-Trichlorobenzene
 Concen: 49.566 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

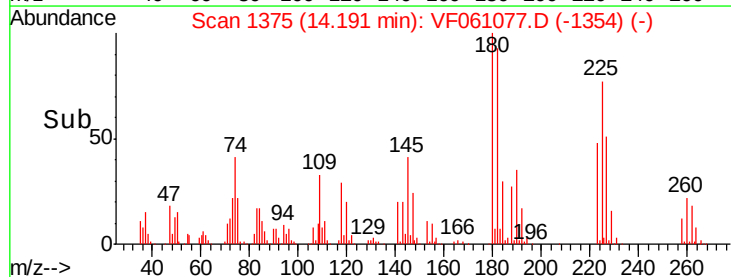
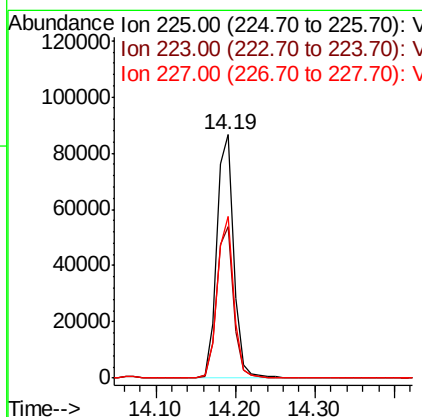
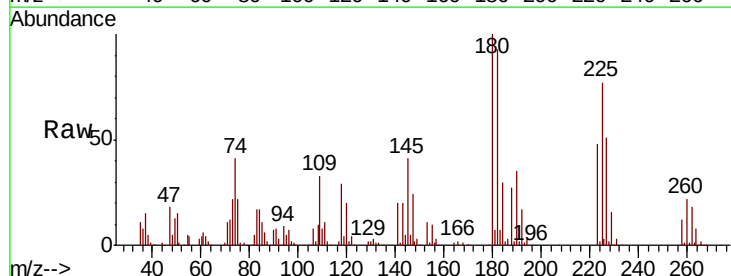
Instrument :
 MSVOA_F
 ClientSampleId :

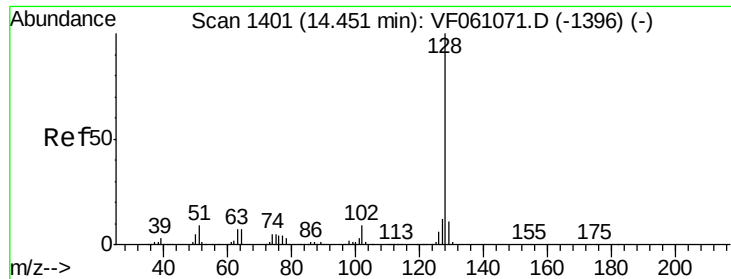
Tot Ion	180	Resp	196581
Ion Ratio	Lower	Upper	
180	100		
182	95.9	46.9	140.6
145	32.8	20.5	61.6



#94
 Hexachlorobutadiene
 Concen: 51.878 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061077.D
 Acq: 19 Dec 2018 11:05

Tgt Ion	225	Resp	131044
Ion Ratio	Lower	Upper	
225	100		
223	62.0	32.8	98.3
227	66.2	34.0	101.8

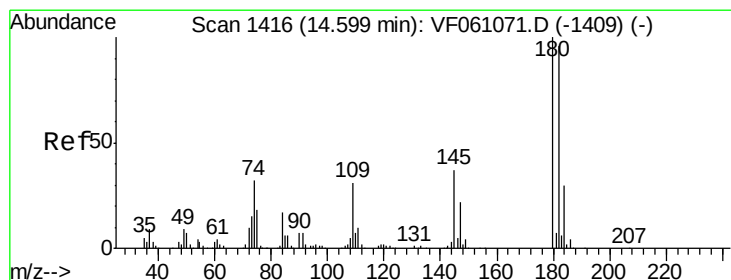
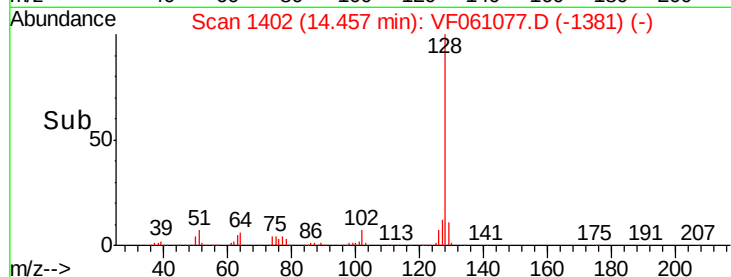
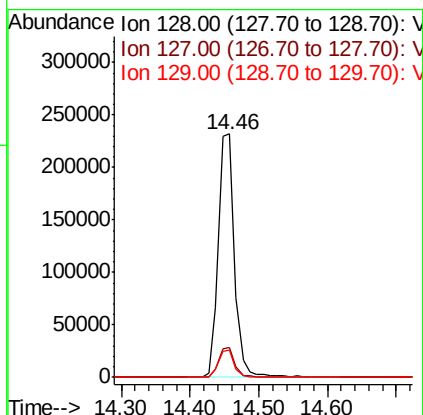
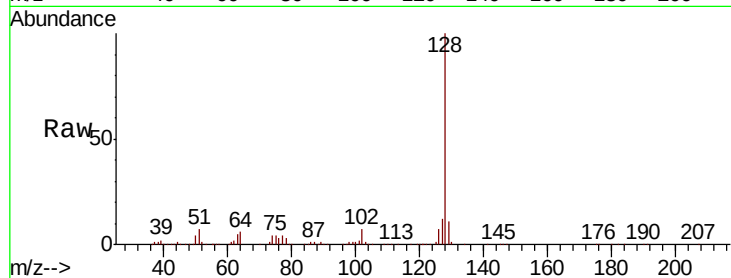




#95
Naphthalene
Concen: 53.016 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 383949
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.789 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061077.D
Acq: 19 Dec 2018 11:05

Tgt Ion:180 Resp: 186215
Ion Ratio Lower Upper
180 100
182 101.3 47.9 143.8
145 37.4 18.6 55.8

