

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061157.D
 Acq On : 24 Dec 2018 11:06
 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 24 23:46:24 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	210755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	349838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	334719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	154207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	115623	42.65	ug/l	0.00
Spiked Amount			Recovery	=	85.30%	
35) Dibromofluoromethane	4.10	113	135676	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	7.55	98	408854	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.41	95	164334	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	204436	43.637	ug/l	95
3) Chloromethane	1.11	50	141650	52.783	ug/l	98
4) Vinyl Chloride	1.14	62	124369	49.958	ug/l	95
5) Bromomethane	1.33	94	93348	54.061	ug/l	97
6) Chloroethane	1.38	64	61445	53.566	ug/l	92
7) Trichlorofluoromethane	1.48	101	225104	47.357	ug/l	100
8) Diethyl Ether	1.63	74	31925	49.046	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	120497	48.892	ug/l	94
10) Methyl Iodide	1.89	142	161882	41.669	ug/l	88
11) Tert butyl alcohol	2.58	59	27894	255.004	ug/l	99
12) 1,1-Dichloroethene	1.79	96	98896	53.233	ug/l	91
13) Acrolein	2.00	56	21679	274.271	ug/l #	78
14) Allyl chloride	2.09	41	121070	62.622	ug/l	87
15) Acrylonitrile	2.94	53	72954	288.419	ug/l	97
16) Acetone	2.24	43	138216	255.061	ug/l #	91
17) Carbon Disulfide	1.84	76	282587	50.333	ug/l #	93
18) Methyl Acetate	2.34	43	54598	48.699	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	198685	48.182	ug/l	96
20) Methylene Chloride	2.17	84	34428	16.909	ug/l	98
21) trans-1,2-Dichloroethene	2.31	96	82901	41.721	ug/l	88
22) Diisopropyl ether	2.80	45	351919	54.646	ug/l	94
23) Vinyl Acetate	3.19	43	790707	266.148	ug/l	99
24) 1,1-Dichloroethane	2.87	63	205758	53.924	ug/l	98
25) 2-Butanone	4.33	43	232082	264.076	ug/l	100
26) 2,2-Dichloropropane	3.59	77	110221	50.335	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	162692	53.482	ug/l	97
28) Bromochloromethane	3.71	49	95302	49.224	ug/l	93
29) Tetrahydrofuran	4.06	42	91573	256.005	ug/l	98
30) Chloroform	3.86	83	278882	48.744	ug/l	94
31) Cyclohexane	3.69	56	205147	51.813	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	182545	53.232	ug/l	98
36) 1,1-Dichloropropene	4.27	75	211524	50.091	ug/l	97
37) Ethyl Acetate	4.10	43	84747	51.960	ug/l #	74
38) Carbon Tetrachloride	3.99	117	171470	53.321	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	229475	60.573	ug/l	99
40) Benzene	4.63	78	491293	54.100	ug/l	95
41) Methacrylonitrile	4.75	41	46960	52.657	ug/l	93
42) 1,2-Dichloroethane	4.94	62	164339	47.638	ug/l	97
43) Isopropyl Acetate	6.96	43	114137	55.978	ug/l #	99
44) Trichloroethene	5.51	130	142222	49.675	ug/l	96
45) 1,2-Dichloropropane	6.24	63	129527	52.426	ug/l	100
46) Dibromomethane	6.09	93	80794	50.419	ug/l	97
47) Bromodichloromethane	6.38	83	213286	51.227	ug/l	99
48) Methyl methacrylate	6.72	41	73417	51.578	ug/l	89
49) 1,4-Dioxane	6.71	88	9983	966.567	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	367798	263.019	ug/l	98
52) Toluene	7.63	92	321829	53.538	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	167274	49.802	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	223030	52.907	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	90500	50.220	ug/l	94
56) Ethyl methacrylate	8.61	69	105452	54.078	ug/l	97
57) 1,3-Dichloropropane	8.85	76	171708	52.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	92414	246.760	ug/l	97
59) 2-Hexanone	9.49	43	279688	276.571	ug/l	98
60) Dibromochloromethane	8.71	129	131676	50.974	ug/l	94
61) 1,2-Dibromoethane	8.99	107	100162	52.043	ug/l	98
64) Tetrachloroethene	8.15	164	129230	50.189	ug/l	97
65) Chlorobenzene	9.80	112	363664	52.592	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	133390	47.204	ug/l	97
67) Ethyl Benzene	9.90	91	634910	50.400	ug/l	96
68) m/p-Xylenes	10.13	106	470124	106.042	ug/l	93
69) o-Xylene	10.71	106	249748	50.794	ug/l	90
70) Styrene	10.79	104	345024	58.407	ug/l	99
71) Bromoform	10.77	173	65279	49.932	ug/l #	100
73) Isopropylbenzene	11.13	105	736230	55.402	ug/l	99
74) N-amyl acetate	11.37	43	163526	55.426	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	114148	51.756	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	81997	49.958	ug/l	99
77) Bromobenzene	11.49	156	147565	51.585	ug/l	95
78) n-propylbenzene	11.59	91	830875	55.598	ug/l	99
79) 2-Chlorotoluene	11.72	91	466720	51.197	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	546115	49.908	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	52548	74.505	ug/l #	85
82) 4-Chlorotoluene	11.90	91	468783	49.710	ug/l	100
83) tert-Butylbenzene	12.13	119	577244	51.265	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	548319	50.250	ug/l	98
85) sec-Butylbenzene	12.30	105	774727	52.723	ug/l	97
86) p-Isopropyltoluene	12.46	119	648609	53.178	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	279842	61.142	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	273618	52.090	ug/l	98
89) n-Butylbenzene	12.84	91	646541	53.312	ug/l	99
90) Hexachloroethane	12.91	117	157832	52.376	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	258604	50.567	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21532	53.202	ug/l	94

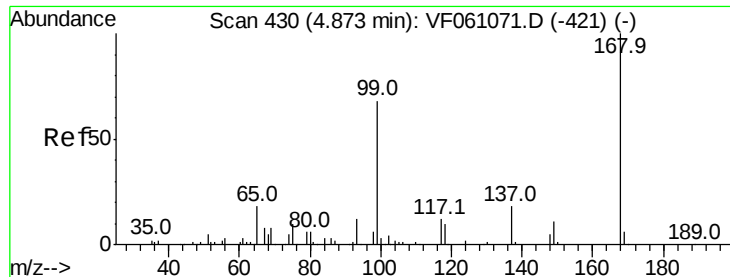
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	183042	50.468	ug/l	98
94) Hexachlorobutadiene	14.19	225	122233	52.915	ug/l	95
95) Naphthalene	14.45	128	335529	50.663	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	172348	51.403	ug/l	98

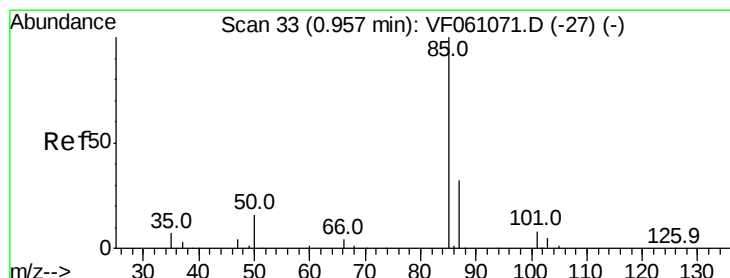
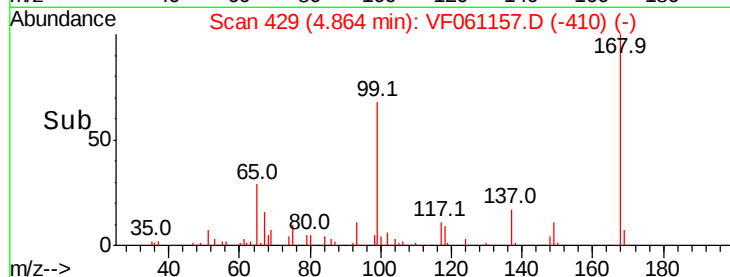
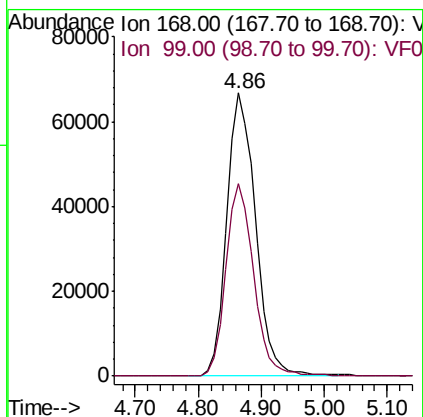
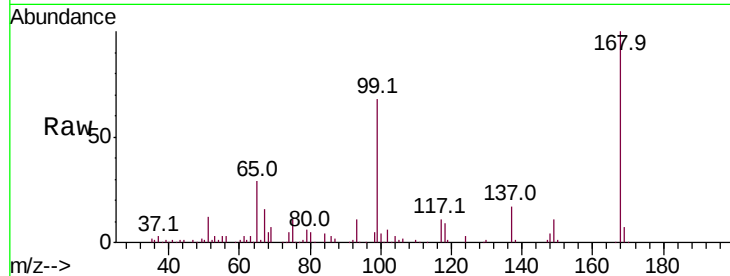
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

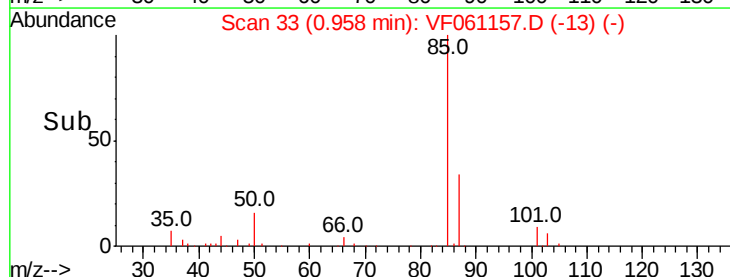
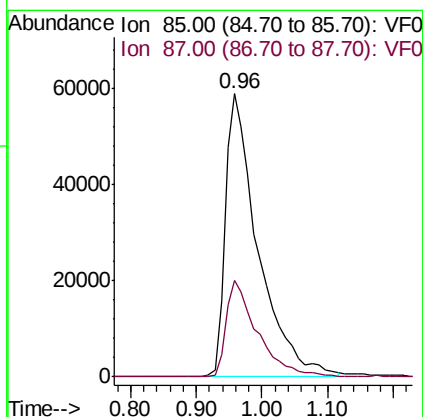
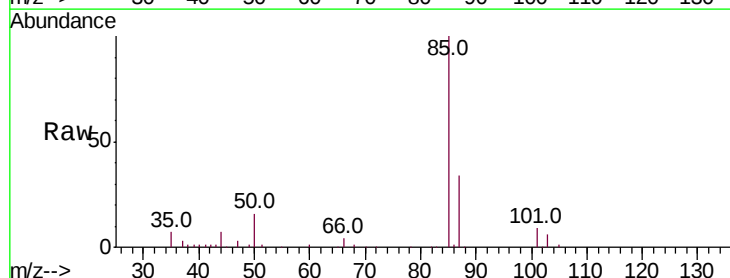
Instrument :
MSVOA_F
ClientSampleId :

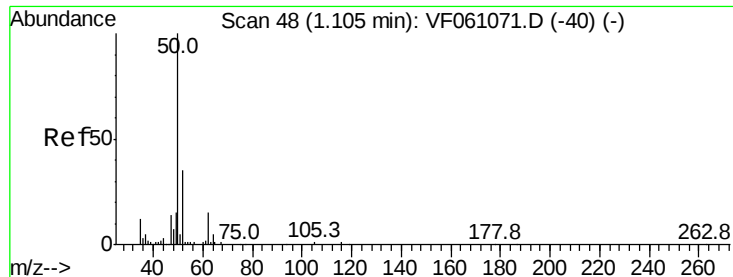
Tot Ion:168 Resp: 210755
Ion Ratio Lower Upper
168 100
99 67.8 54.4 81.6



#2
Dichlorodifluoromethane
Concen: 43.637 ug/l
RT: 0.96 min Scan# 33
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 85 Resp: 204436
Ion Ratio Lower Upper
85 100
87 34.2 15.9 47.6





#3

Chloromethane

Concen: 52.783 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

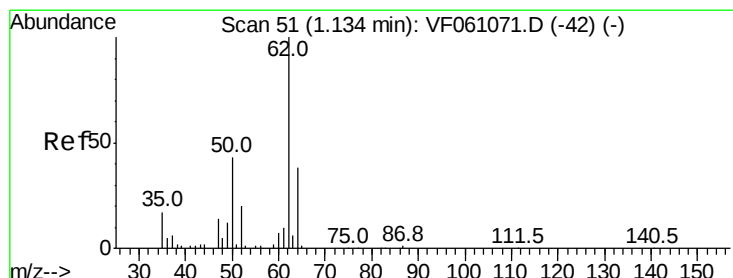
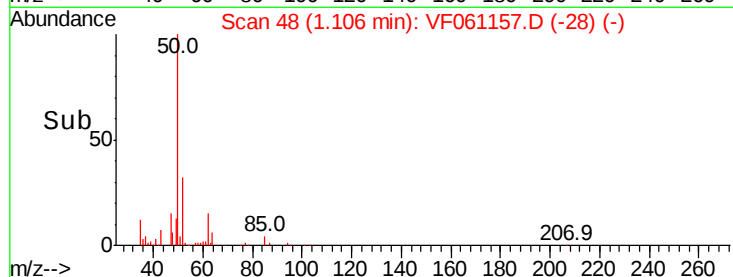
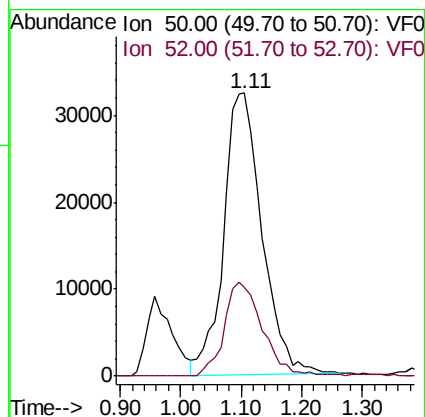
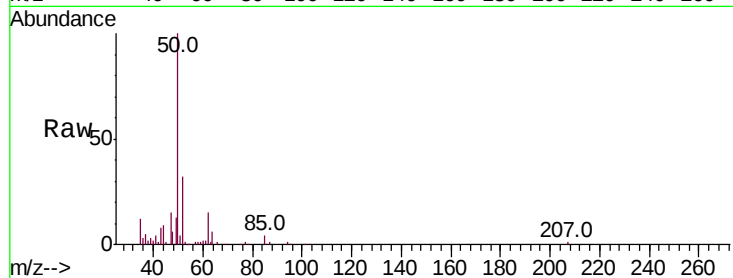
ClientSampleId :

Tot Ion: 50 Resp: 141650

Ion Ratio Lower Upper

50 100

52 31.5 26.3 39.5



#4

Vinyl Chloride

Concen: 49.958 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061157.D

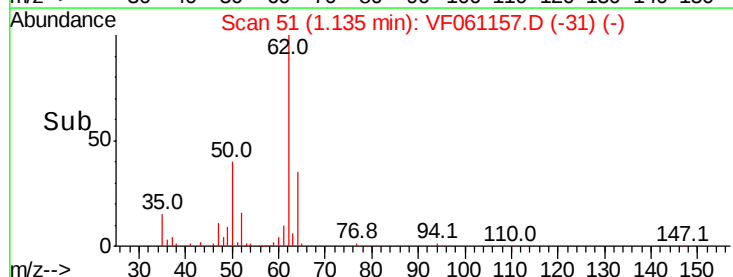
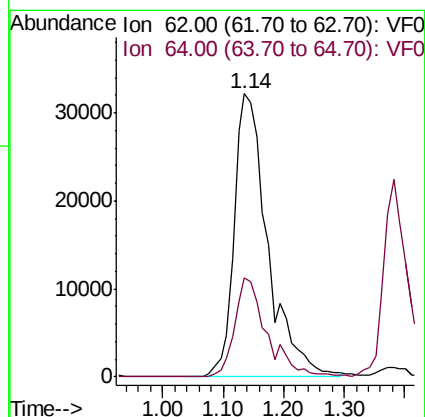
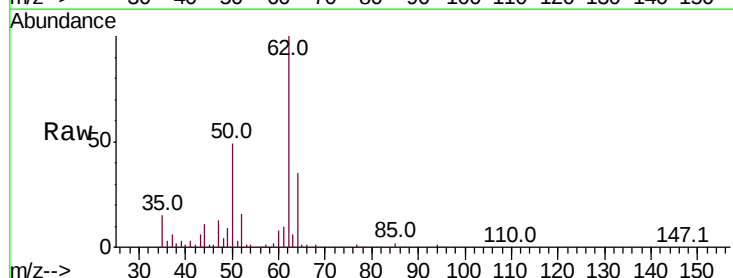
Acq: 24 Dec 2018 11:06

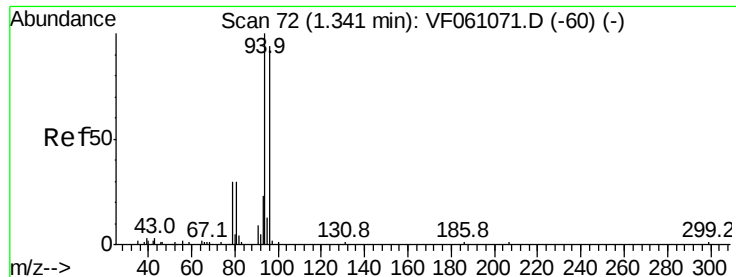
Tgt Ion: 62 Resp: 124369

Ion Ratio Lower Upper

62 100

64 35.1 30.4 45.6





#5

Bromomethane

Concen: 54.061 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

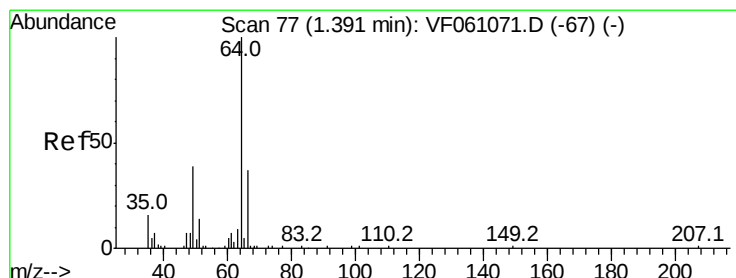
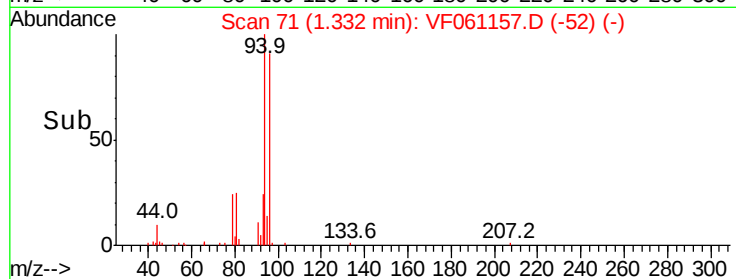
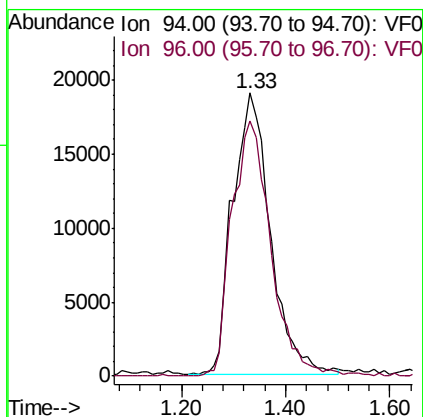
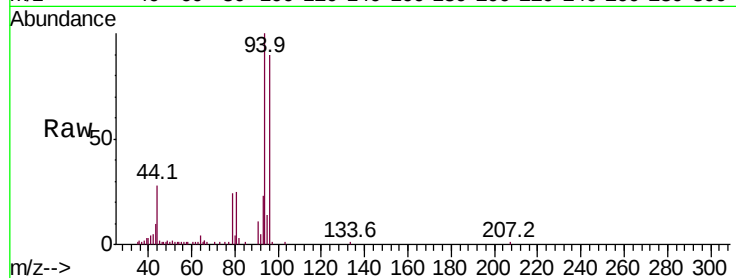
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 93348

Ion Ratio Lower Upper

94 100

96 90.3 74.4 111.6



#6

Chloroethane

Concen: 53.566 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061157.D

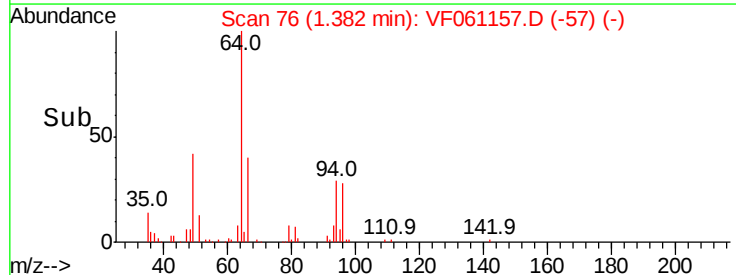
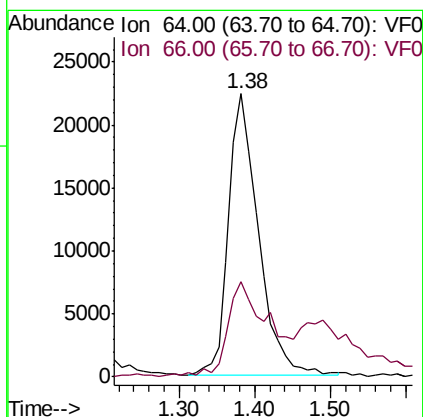
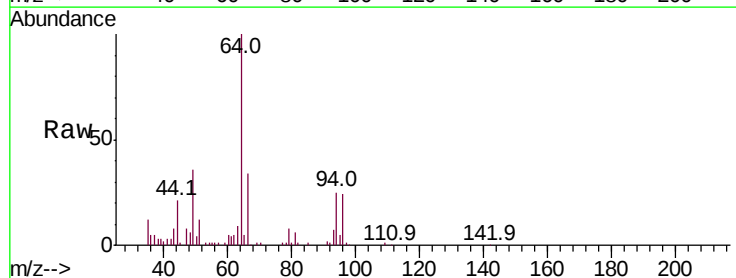
Acq: 24 Dec 2018 11:06

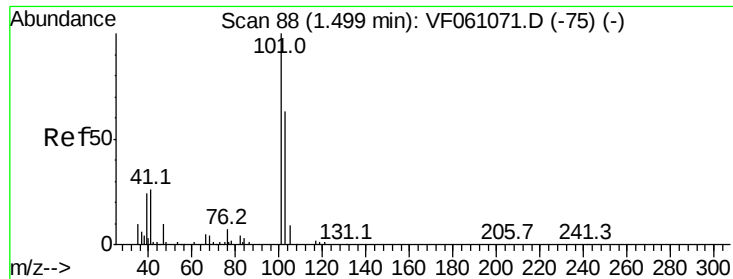
Tgt Ion: 64 Resp: 61445

Ion Ratio Lower Upper

64 100

66 33.8 30.9 46.3



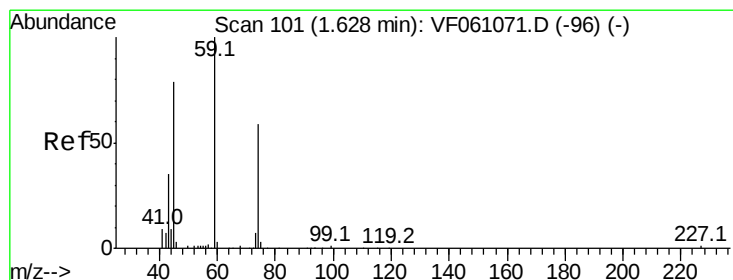
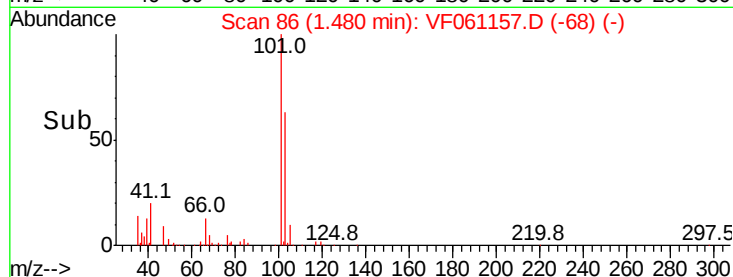
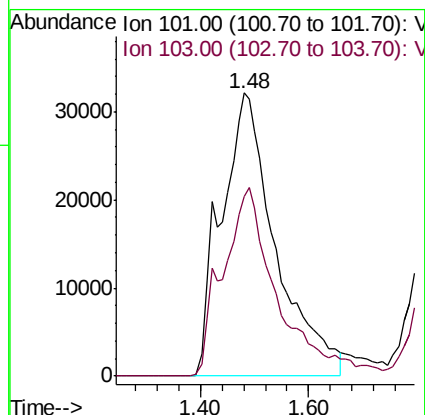
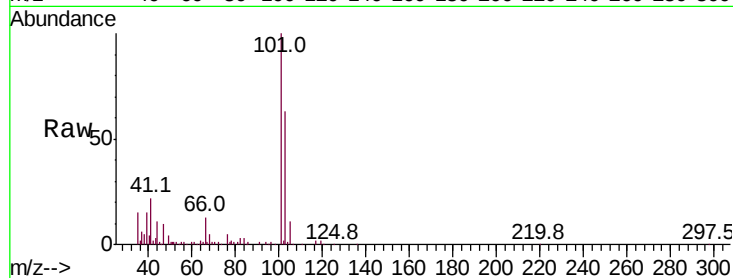


#7

Trichlorofluoromethane
 Concen: 47.357 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :

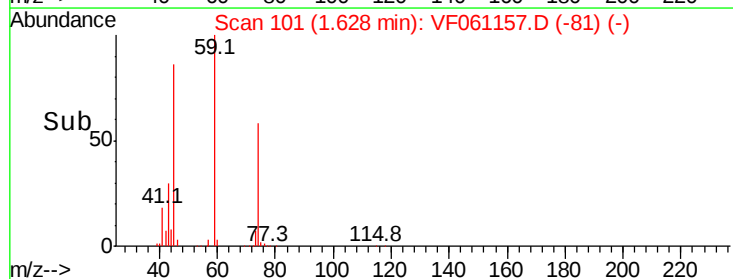
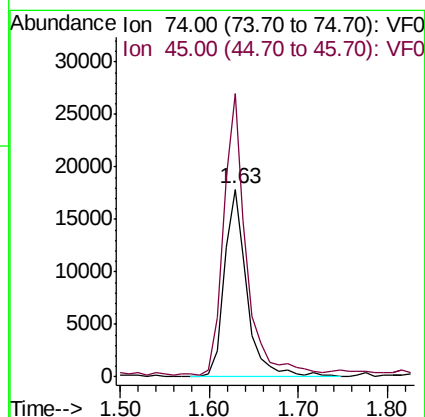
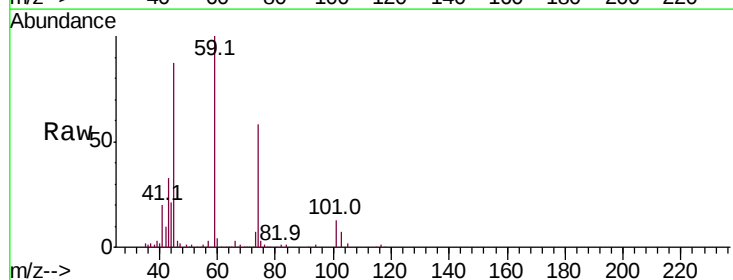
Tot Ion:101 Resp: 225104
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.7 76.1

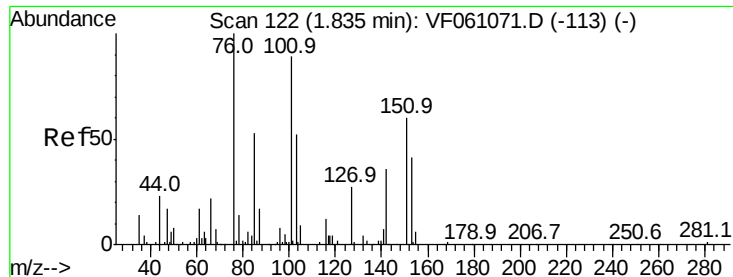


#8

Diethyl Ether
 Concen: 49.046 ug/l
 RT: 1.63 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion: 74 Resp: 31925
 Ion Ratio Lower Upper
 74 100
 45 151.0 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.892 ug/l

RT: 1.83 min Scan# 121

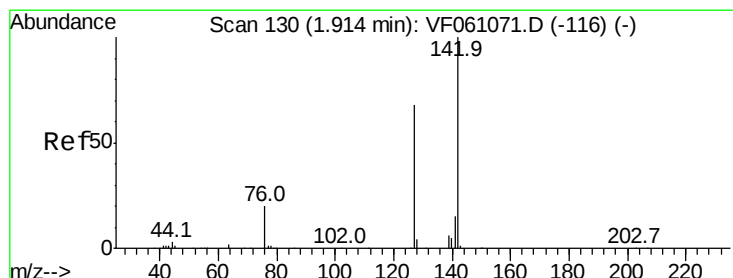
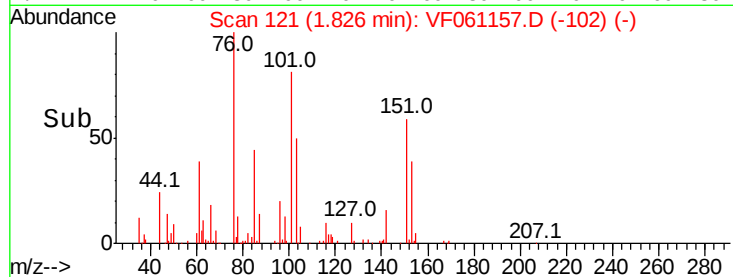
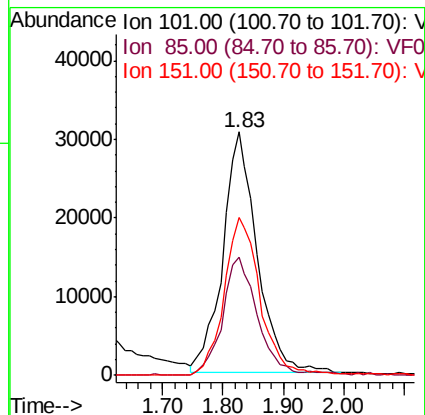
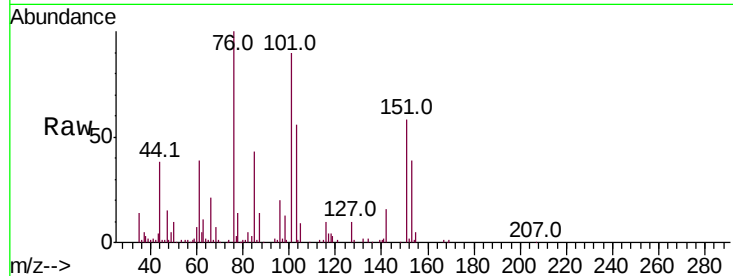
Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	101	Resp:	120497
Ion	Ratio	Lower	Upper
101	100		
85	48.5	44.5	66.7
151	65.0	49.9	74.9



#10

Methyl Iodide

Concen: 41.669 ug/l

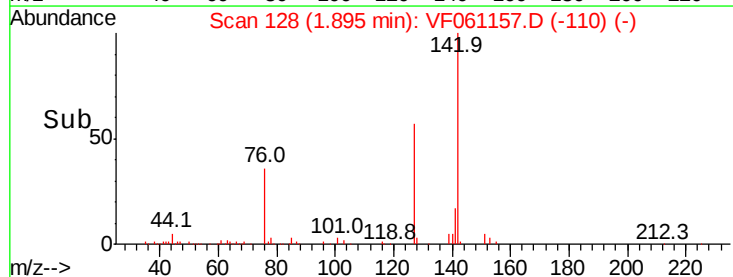
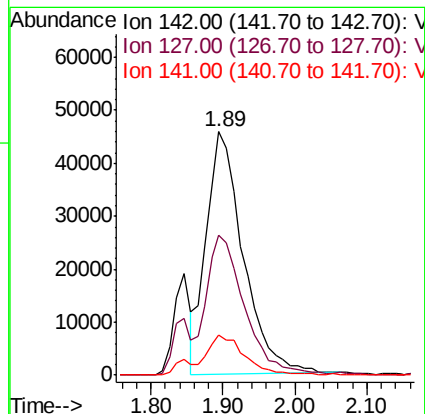
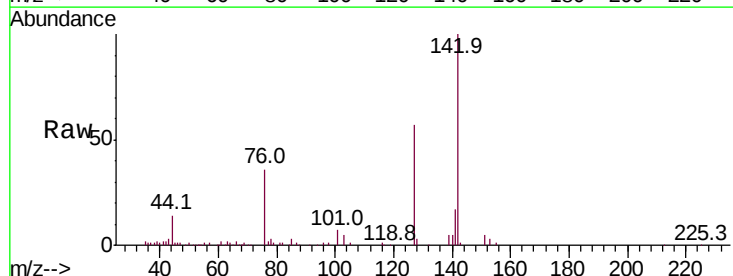
RT: 1.89 min Scan# 128

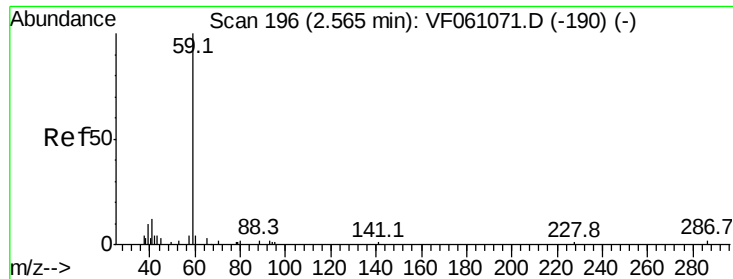
Delta R.T. -0.02 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	142	Resp:	161882
Ion	Ratio	Lower	Upper
142	100		
127	57.5	54.7	82.1
141	16.6	12.2	18.2



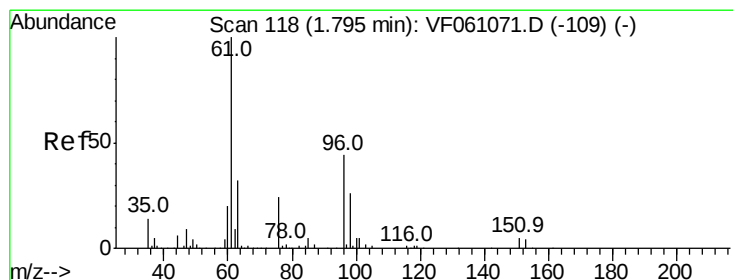
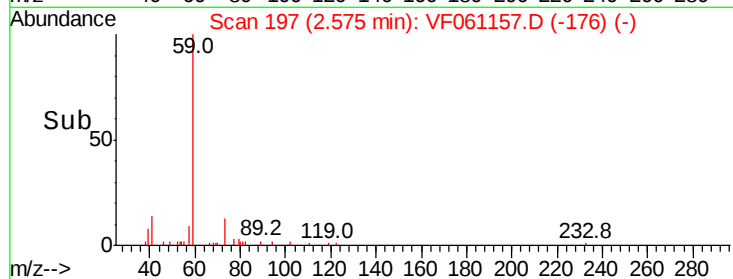
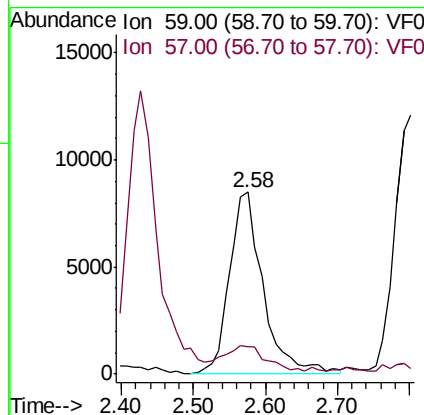
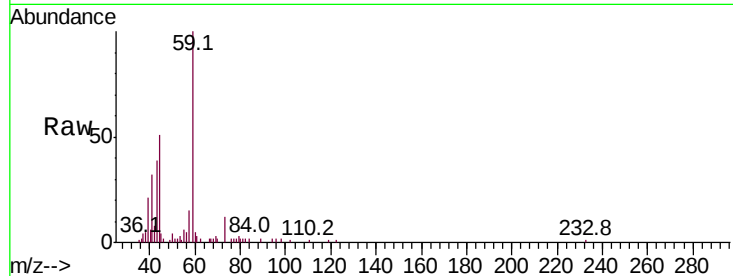


#11

Tert butyl alcohol
 Concen: 255.004 ug/l
 RT: 2.58 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampled :

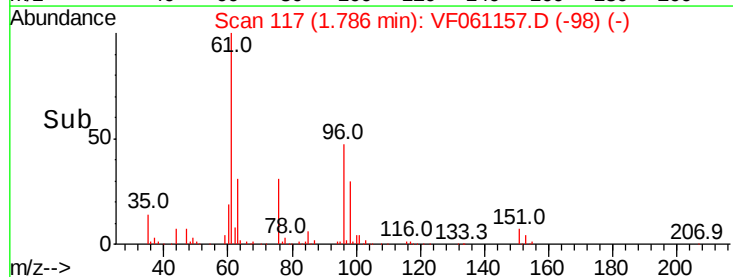
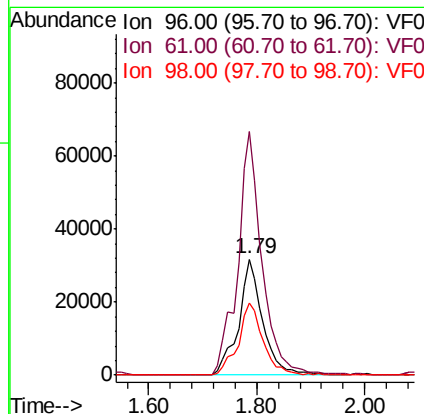
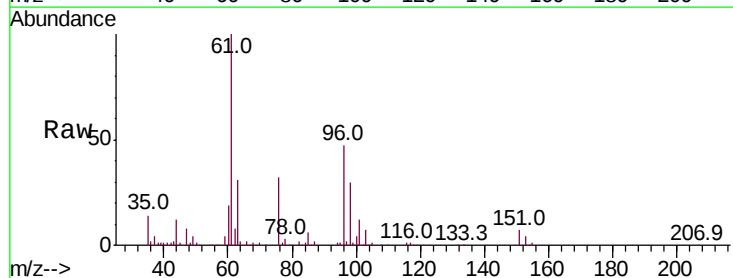
Tot Ion: 59 Resp: 27894
 Ion Ratio Lower Upper
 59 100
 57 14.9 11.5 17.3

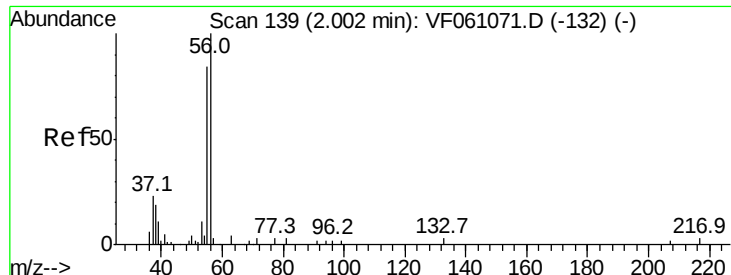


#12

1,1-Dichloroethene
 Concen: 53.233 ug/l
 RT: 1.79 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion: 96 Resp: 98896
 Ion Ratio Lower Upper
 96 100
 61 210.6 182.0 273.0
 98 62.6 46.5 69.7

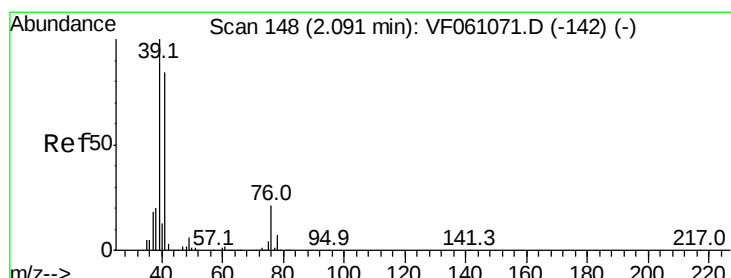
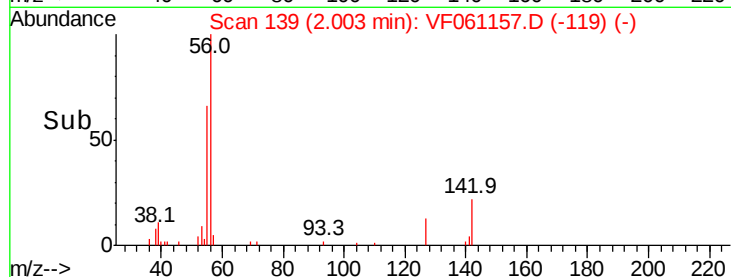
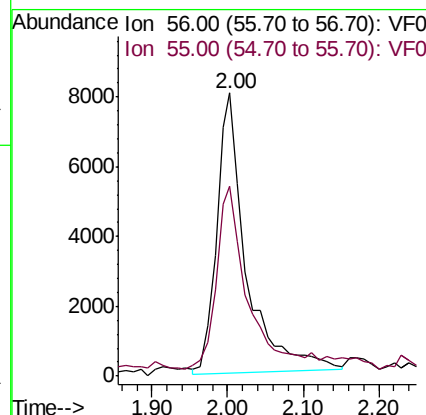
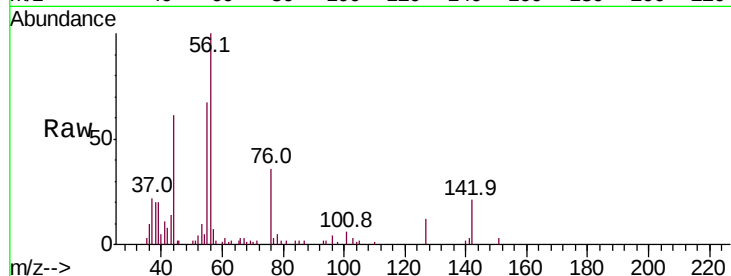




#13
Acrolein
Concen: 274.271 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

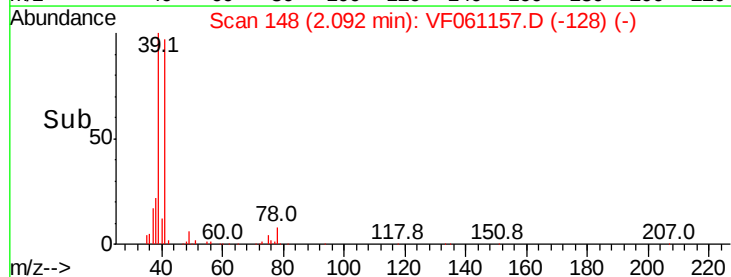
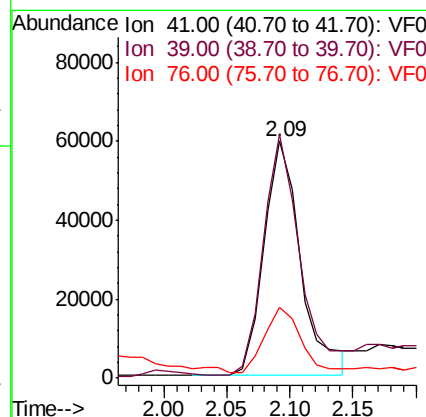
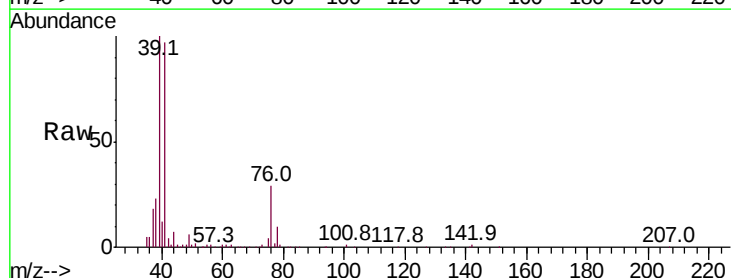
Instrument :
MSVOA_F
ClientSampleId :

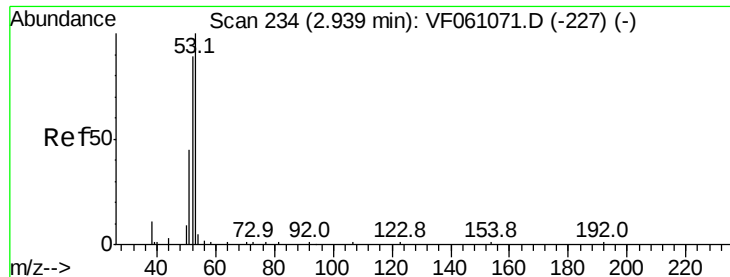
Tot Ion: 56 Resp: 21679
Ion Ratio Lower Upper
56 100
55 67.2 70.2 105.2#



#14
Allyl chloride
Concen: 62.622 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 41 Resp: 121070
Ion Ratio Lower Upper
41 100
39 102.8 96.4 144.6
76 30.1 25.4 38.0





#15

Acrylonitrile

Concen: 288.419 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

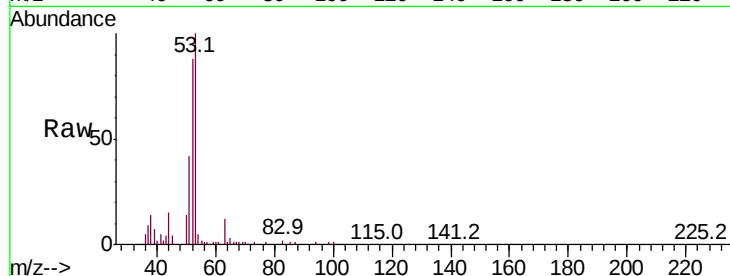
Tot Ion: 53 Resp: 72954

Ion Ratio Lower Upper

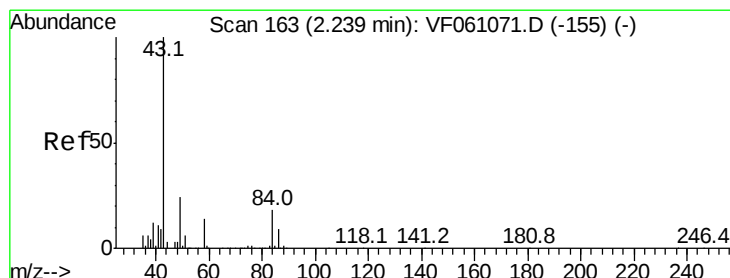
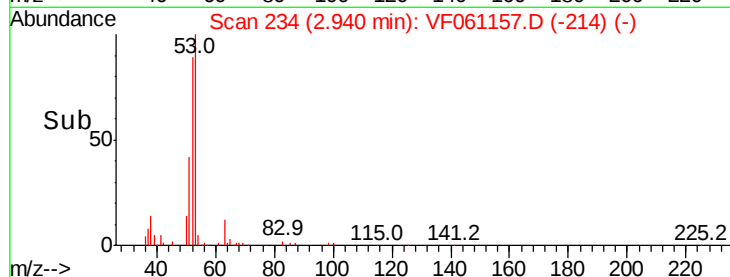
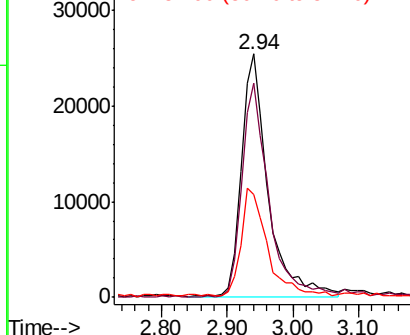
53 100

52 88.2 71.3 106.9

51 42.1 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: 255.061 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061157.D

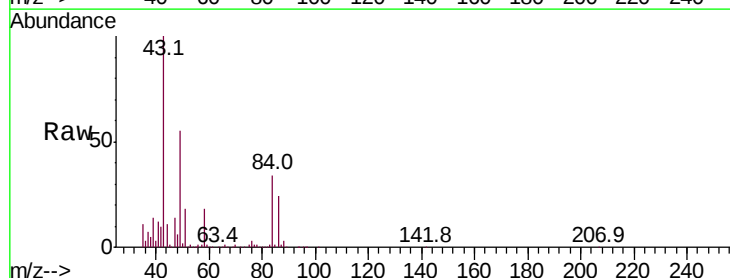
Acq: 24 Dec 2018 11:06

Tgt Ion: 43 Resp: 138216

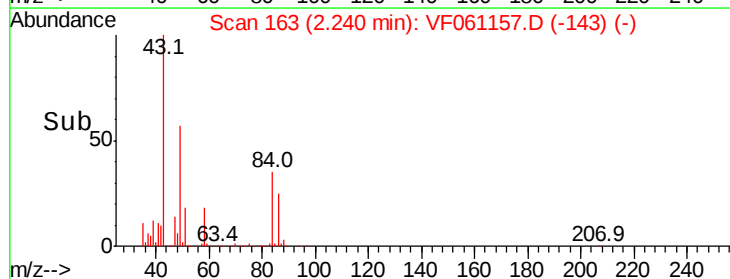
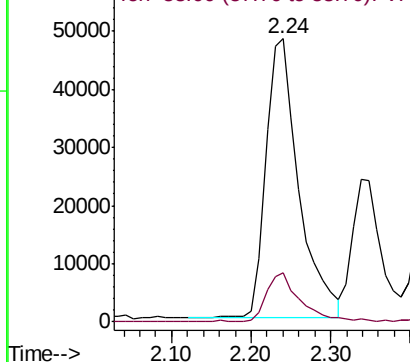
Ion Ratio Lower Upper

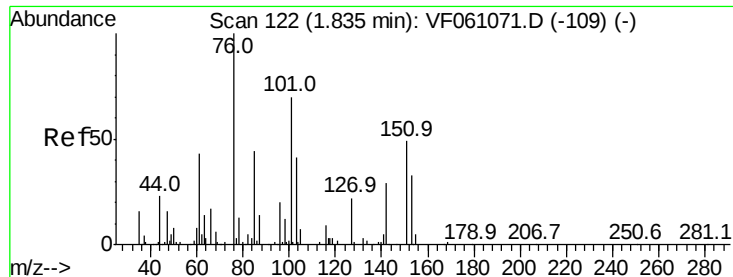
43 100

58 17.5 11.1 16.7#



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

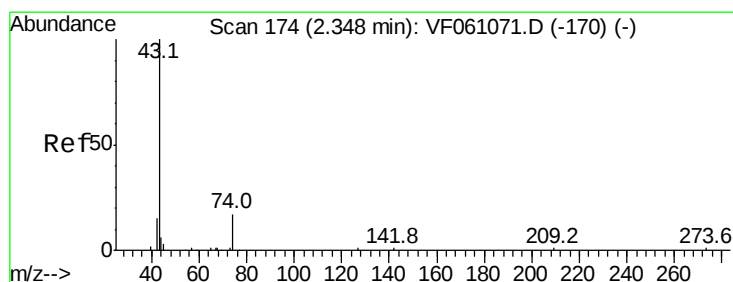
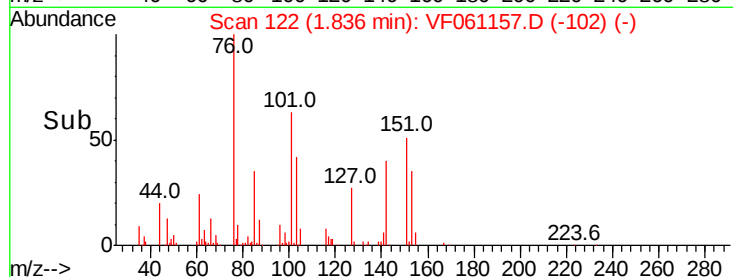
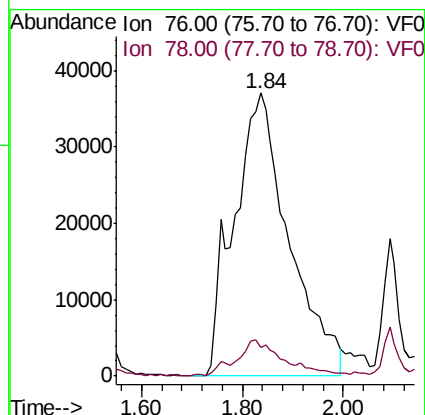
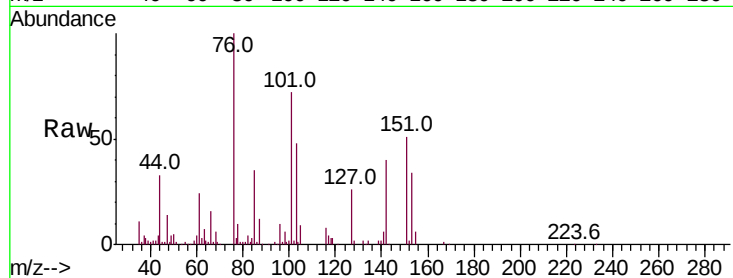




#17
Carbon Disulfide
Concen: 50.333 ug/l
RT: 1.84 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

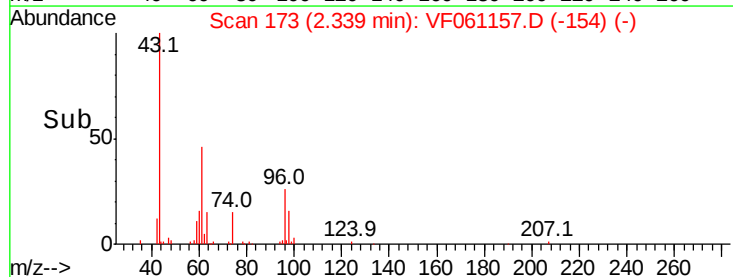
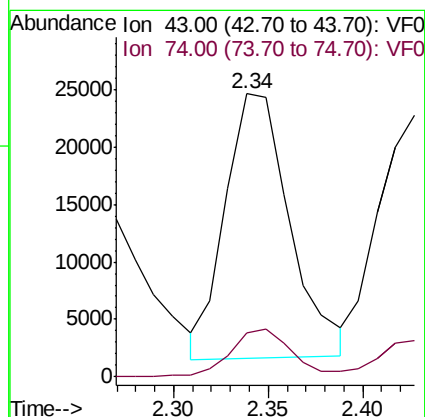
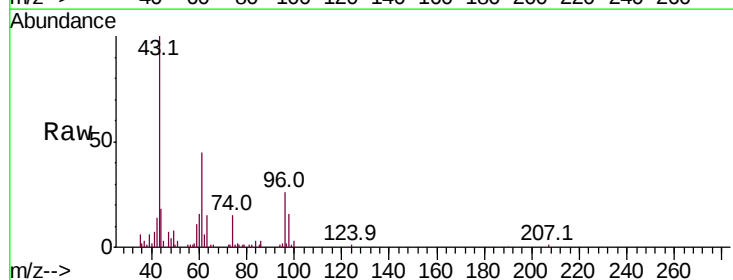
Instrument :
MSVOA_F
ClientSampleId :

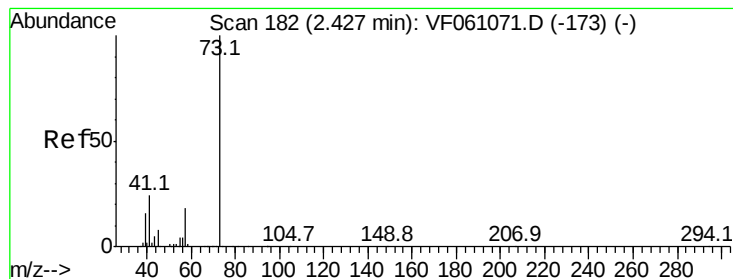
Tot Ion: 76 Resp: 282587
Ion Ratio Lower Upper
76 100
78 10.2 10.2 15.4#



#18
Methyl Acetate
Concen: 48.699 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 43 Resp: 54598
Ion Ratio Lower Upper
43 100
74 15.5 11.0 16.6



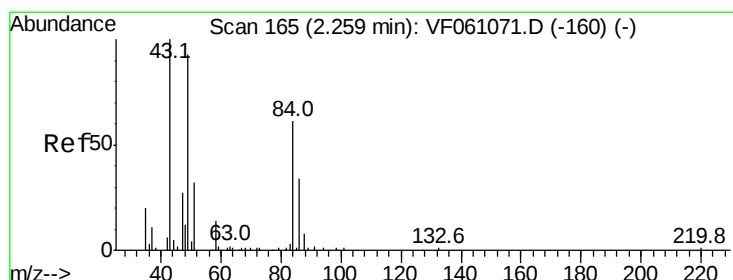
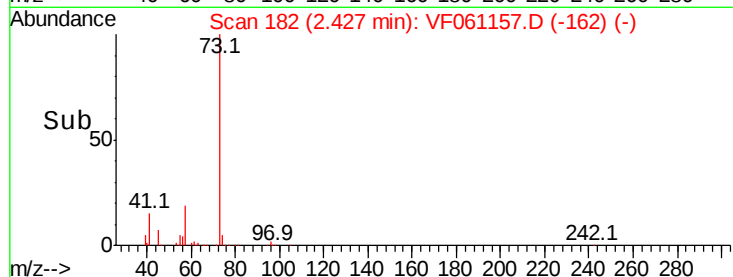
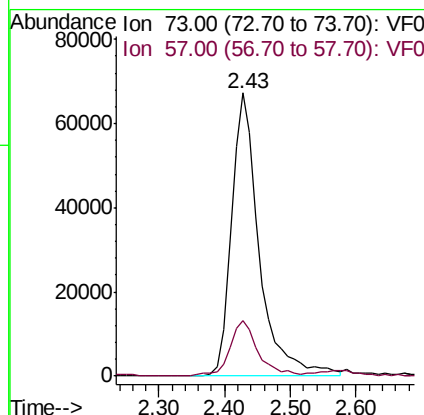
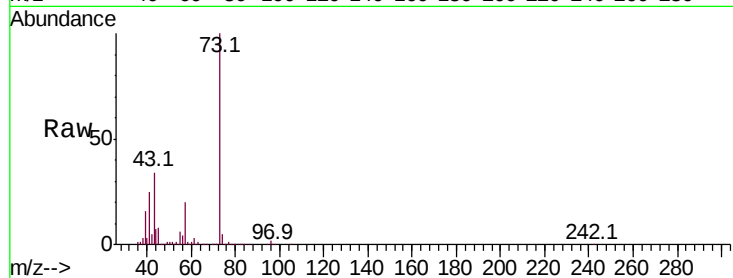


#19

Methyl tert-butyl Ether
 Concen: 48.182 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :

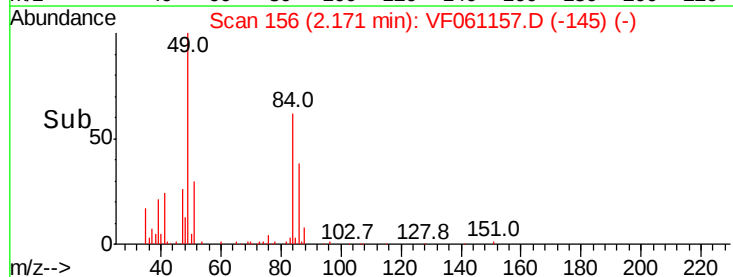
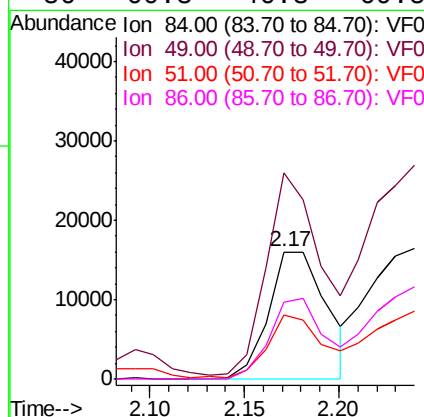
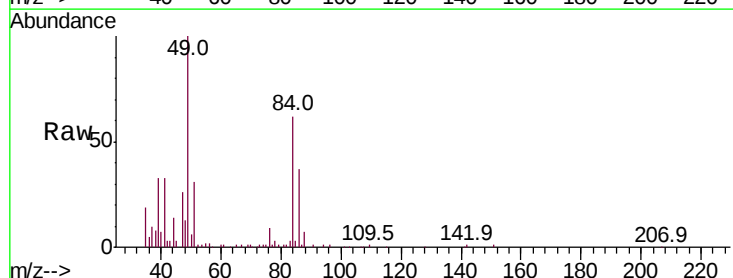
Tot Ion: 73 Resp: 198685
 Ion Ratio Lower Upper
 73 100
 57 19.7 14.5 21.7

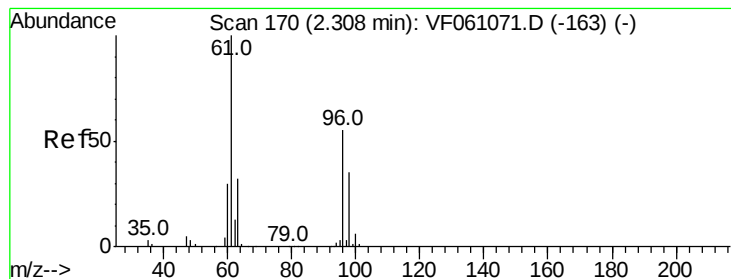


#20

Methylene Chloride
 Concen: 16.909 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.09 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion: 84 Resp: 34428
 Ion Ratio Lower Upper
 84 100
 49 162.0 129.4 194.2
 51 49.9 44.0 66.0
 86 60.3 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 41.721 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

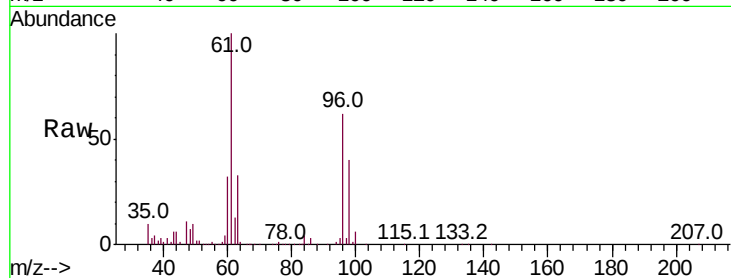
Tot Ion: 96 Resp: 82901

Ion Ratio Lower Upper

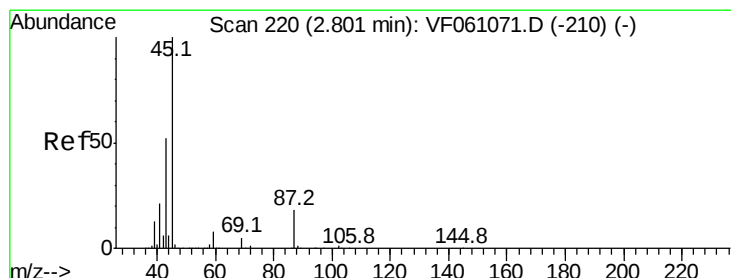
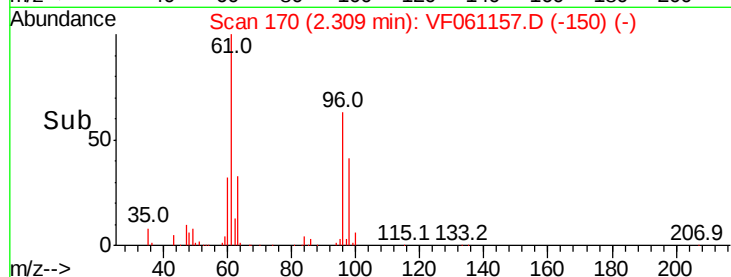
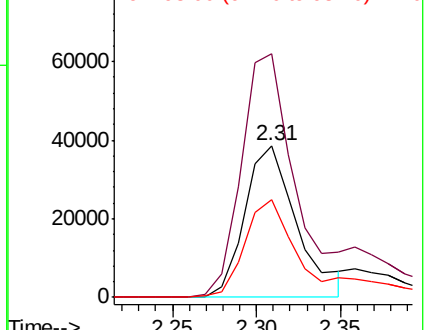
96 100

61 160.3 146.0 219.0

98 64.3 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: 54.646 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion: 45 Resp: 351919

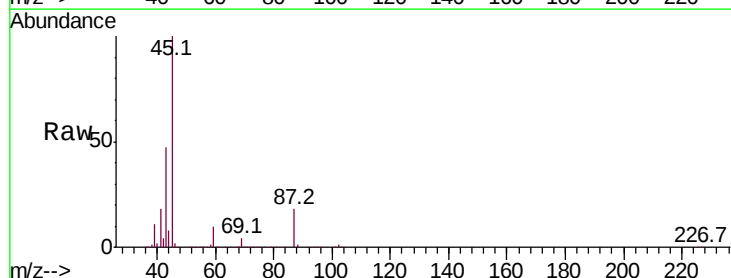
Ion Ratio Lower Upper

45 100

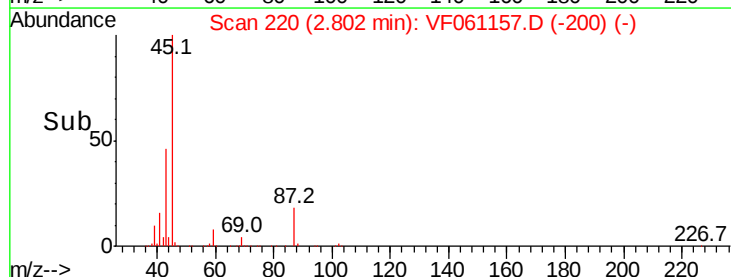
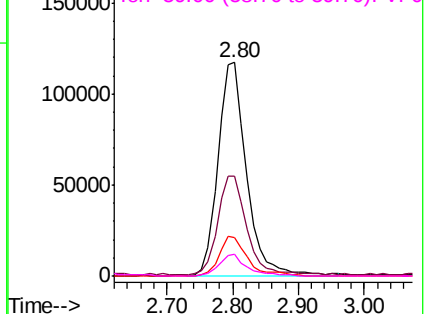
43 46.9 42.2 63.2

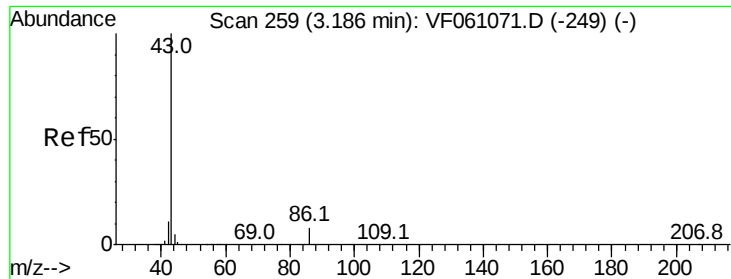
87 18.2 14.6 22.0

59 10.3 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: 266.148 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

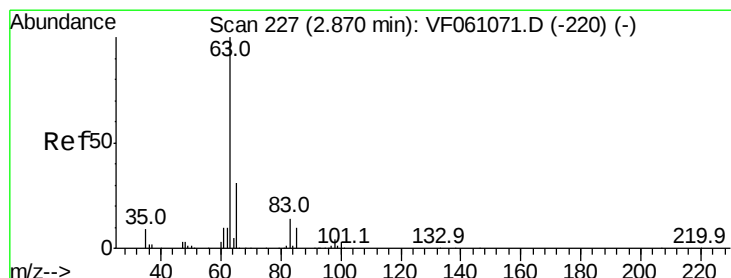
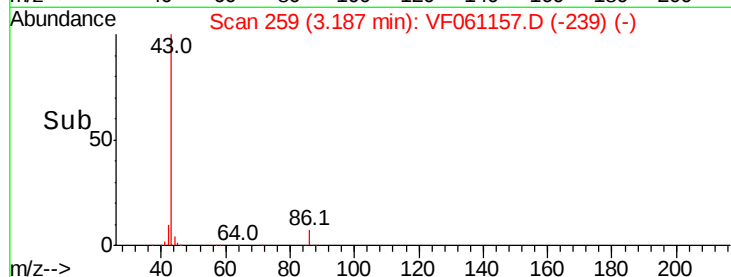
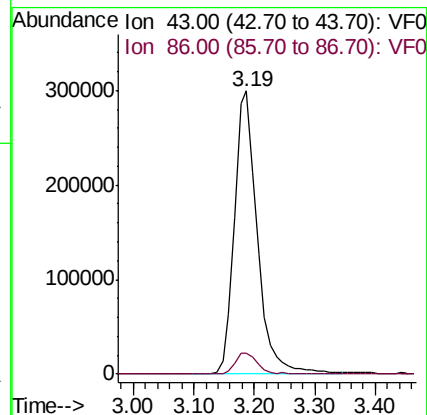
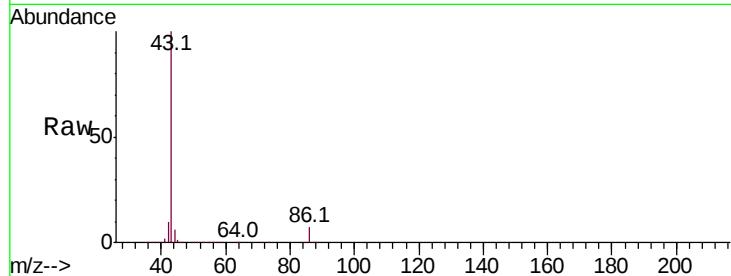
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 790707

Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5



#24

1,1-Dichloroethane

Concen: 53.924 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

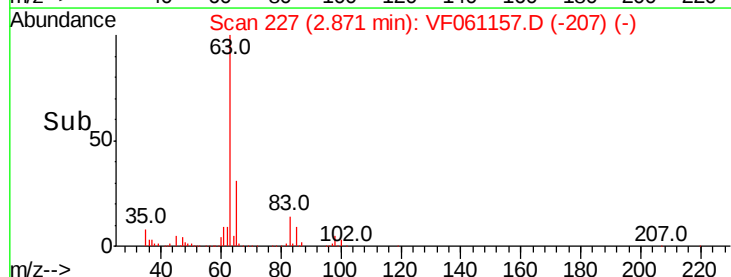
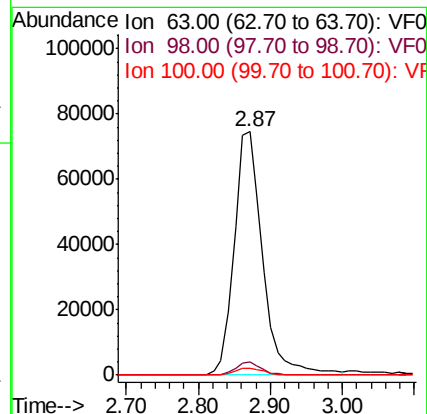
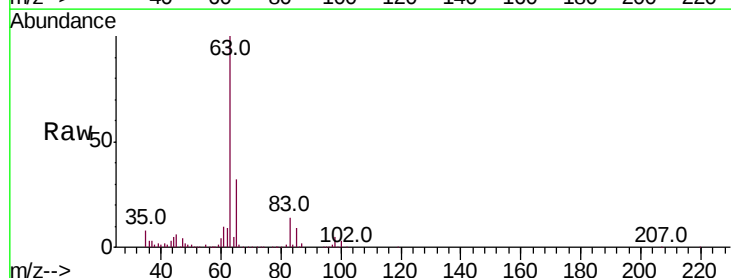
Tgt Ion: 63 Resp: 205758

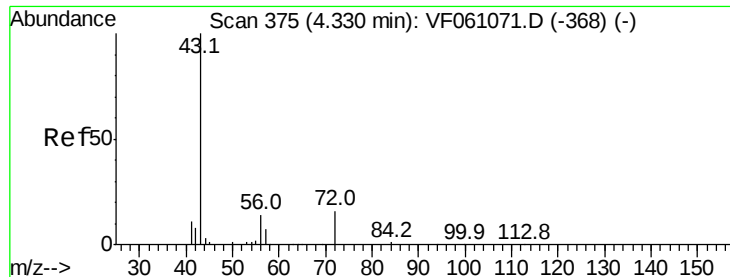
Ion Ratio Lower Upper

63 100

98 5.2 2.1 6.5

100 2.9 1.7 5.1





#25

2-Butanone

Concen: 264.076 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

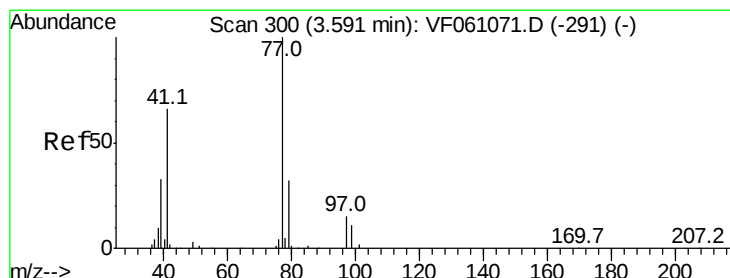
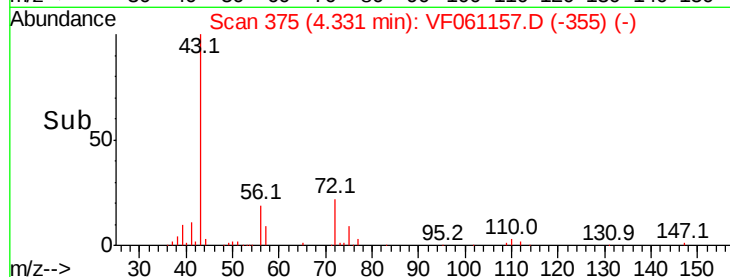
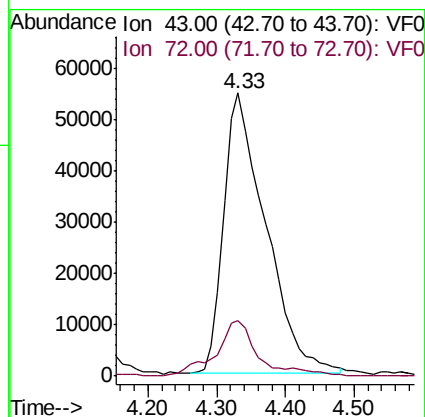
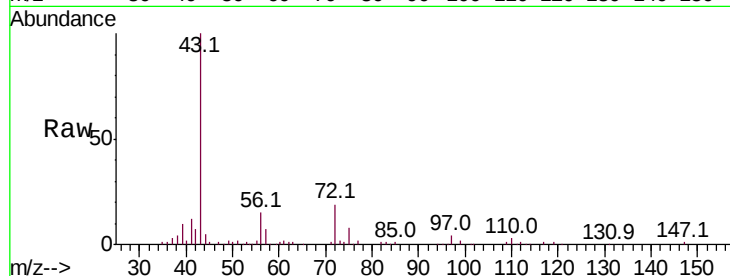
ClientSampleId :

Tot Ion: 43 Resp: 232082

Ion Ratio Lower Upper

43 100

72 19.5 15.6 23.4



#26

2,2-Dichloropropane

Concen: 50.335 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061157.D

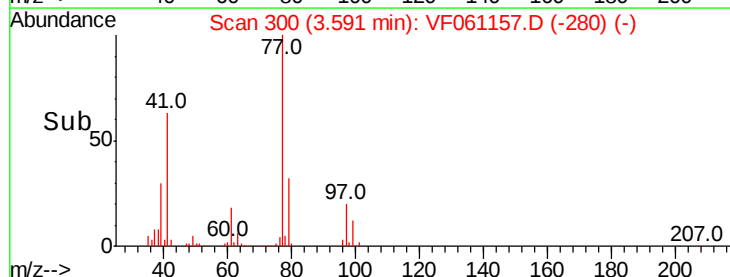
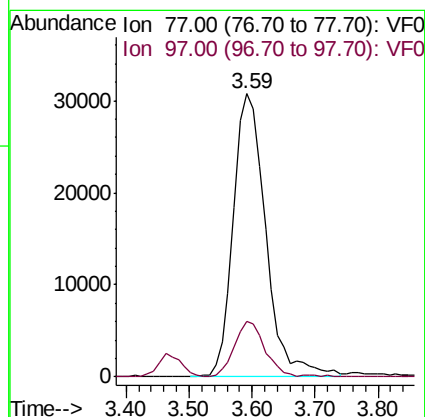
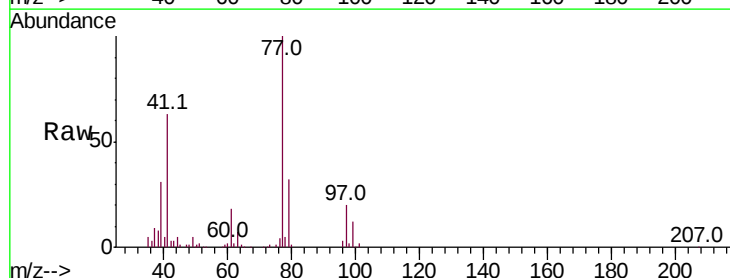
Acq: 24 Dec 2018 11:06

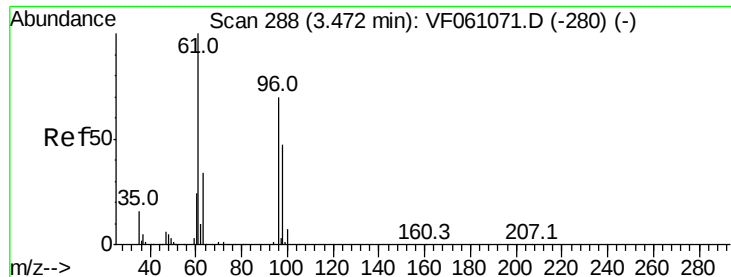
Tgt Ion: 77 Resp: 110221

Ion Ratio Lower Upper

77 100

97 19.5 8.2 24.4



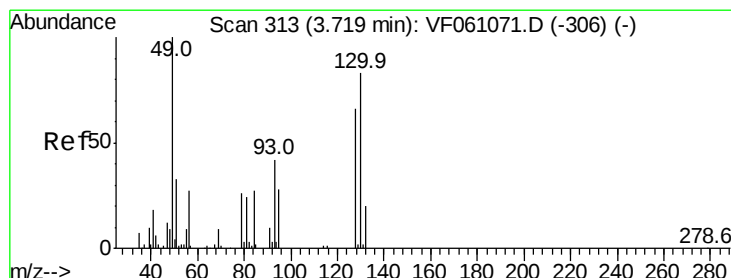
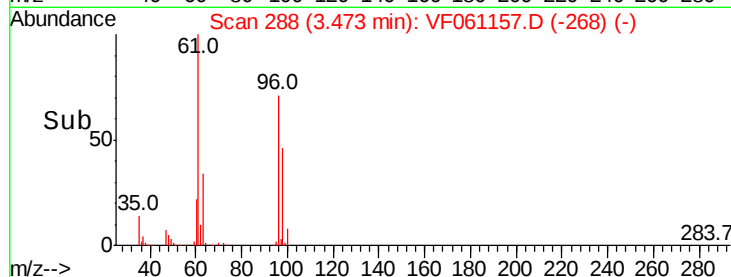
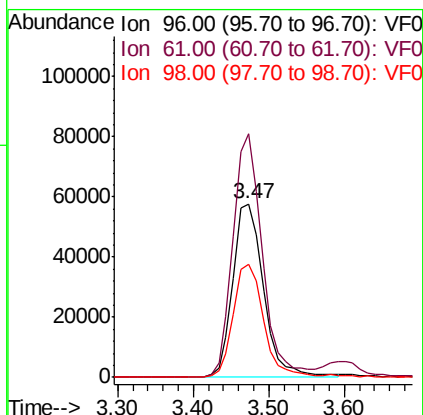
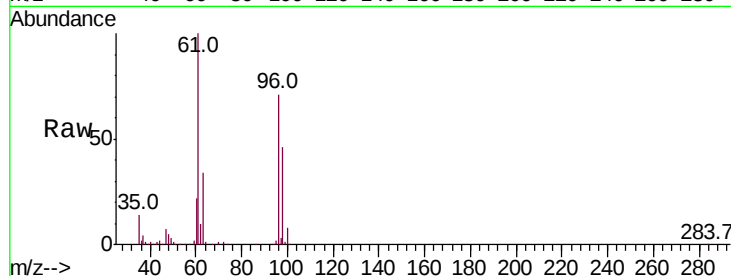


#27

cis-1,2-Dichloroethene
Concen: 53.482 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

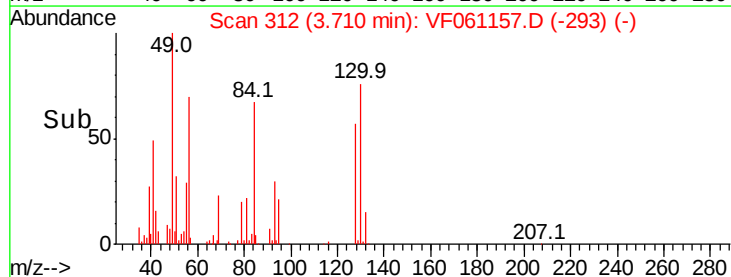
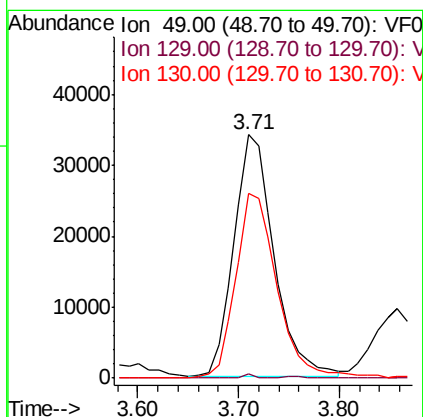
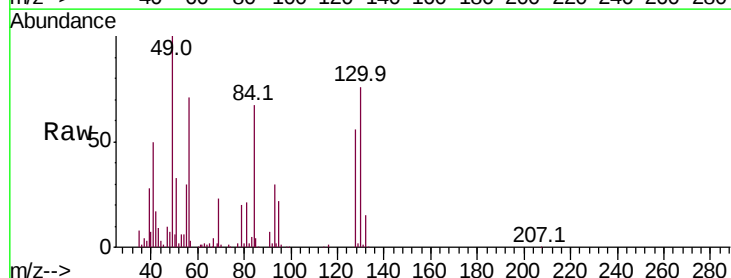
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	287.8
98	65.2	0.0	134.2

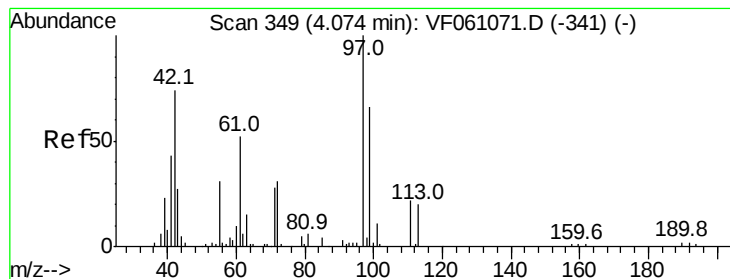


#28

Bromochloromethane
Concen: 49.224 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	75.8	65.8	98.6





#29

Tetrahydrofuran

Concen: 256.005 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

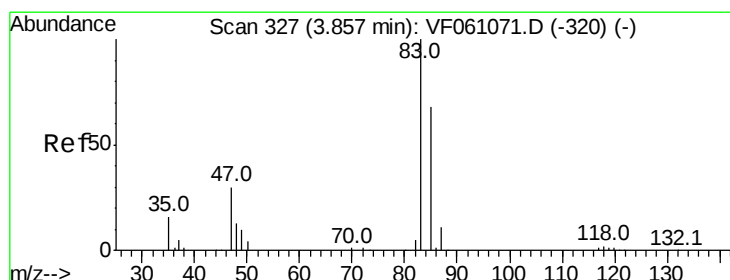
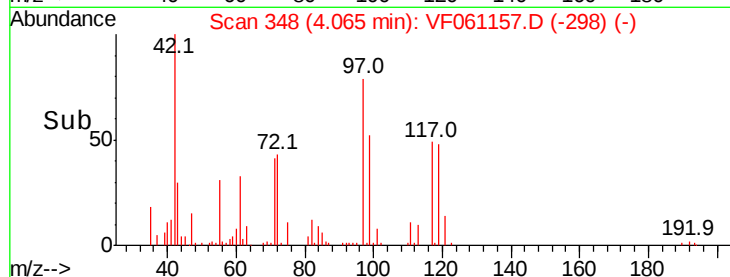
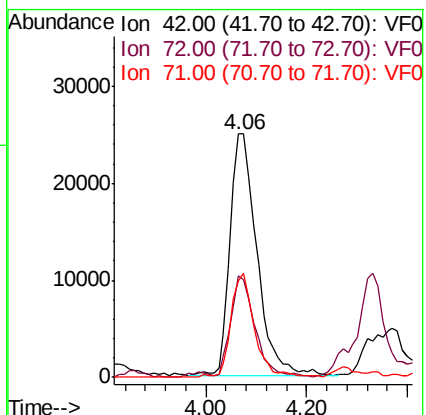
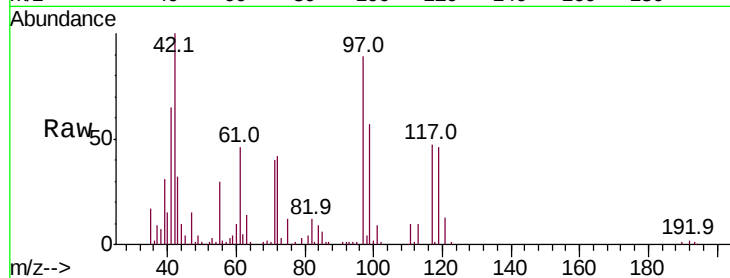
Tot Ion: 42 Resp: 91573

Ion Ratio Lower Upper

42 100

72 38.1 31.8 47.8

71 36.1 29.7 44.5



#30

Chloroform

Concen: 48.744 ug/l

RT: 3.86 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF061157.D

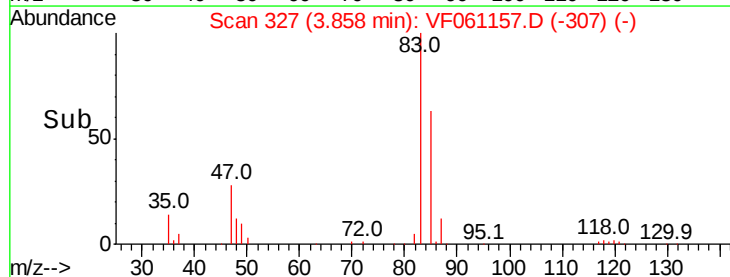
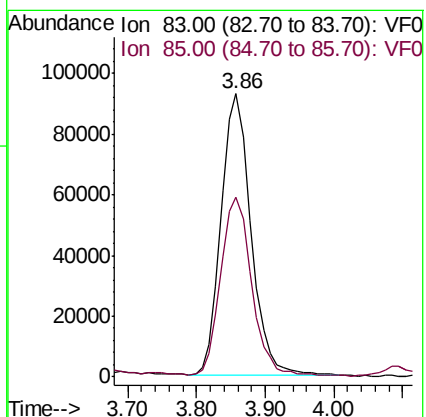
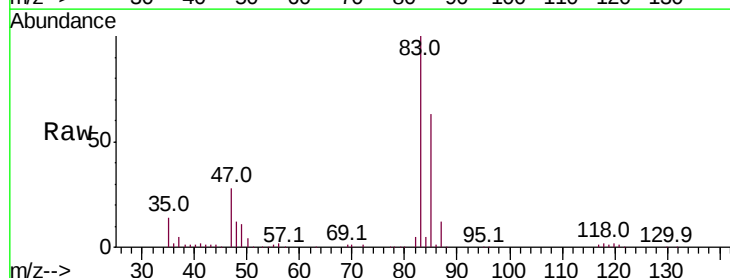
Acq: 24 Dec 2018 11:06

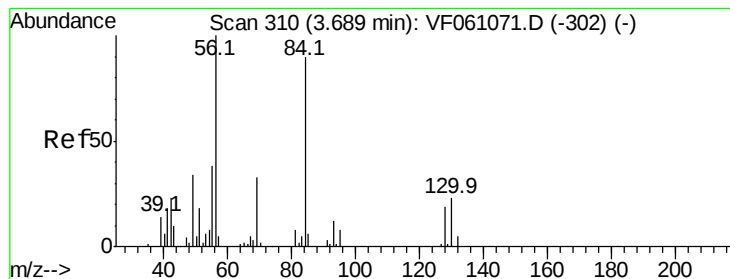
Tgt Ion: 83 Resp: 278882

Ion Ratio Lower Upper

83 100

85 63.4 54.5 81.7





#31

Cyclohexane

Concen: 51.813 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

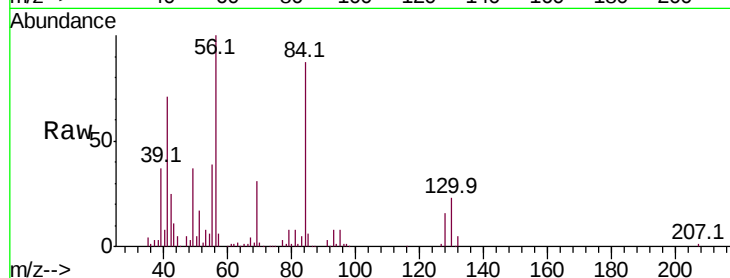
Tot Ion: 56 Resp: 205147

Ion Ratio Lower Upper

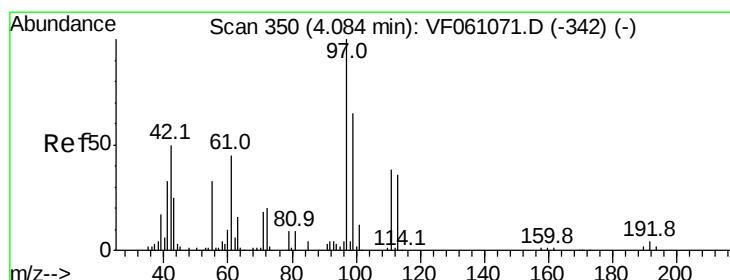
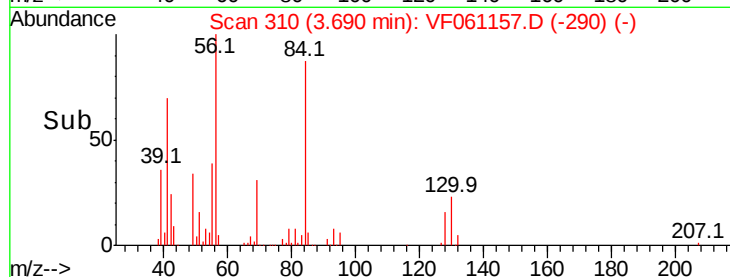
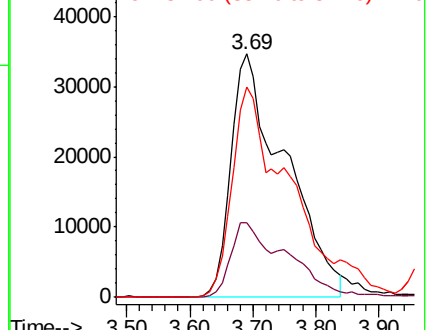
56 100

69 30.7 26.0 39.0

84 86.5 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 53.232 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

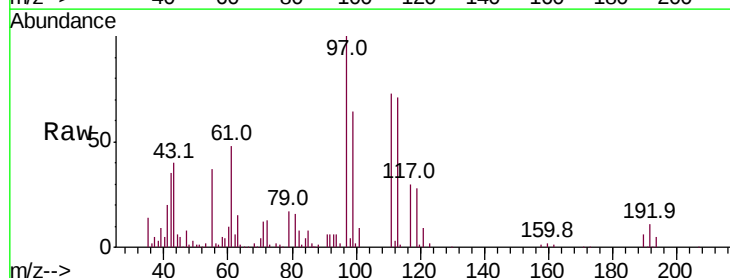
Tgt Ion: 97 Resp: 182545

Ion Ratio Lower Upper

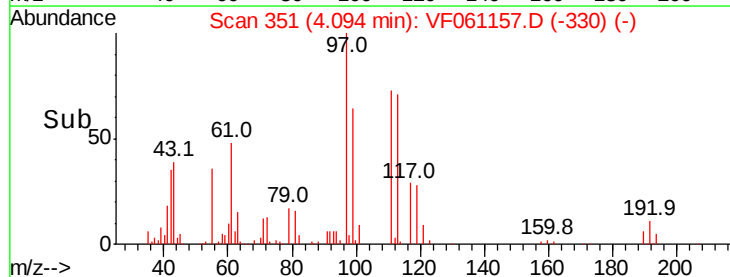
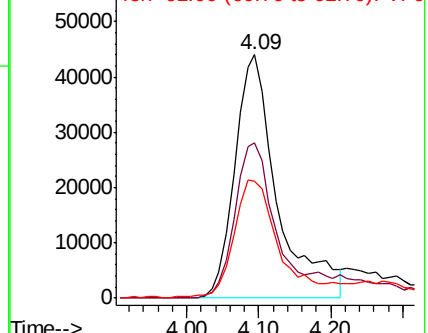
97 100

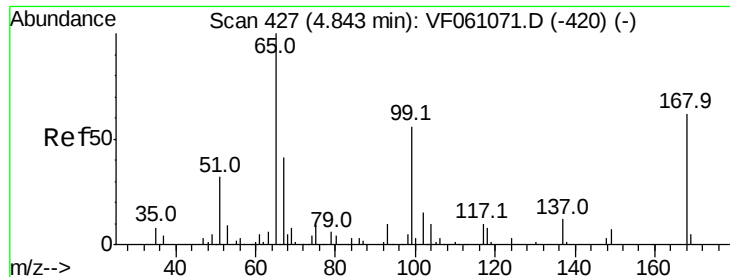
99 63.9 51.6 77.4

61 47.9 36.2 54.2



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

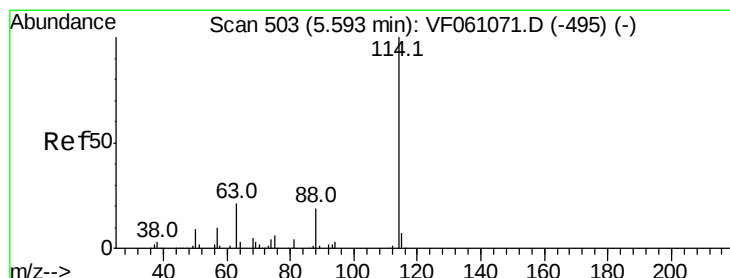
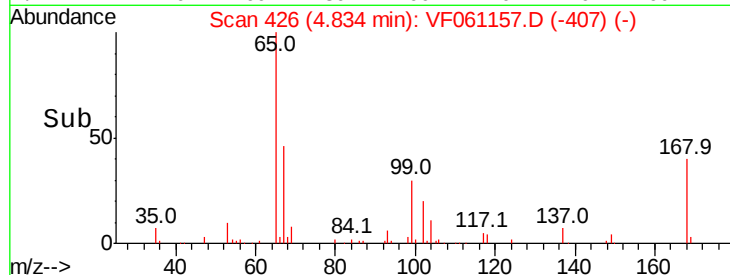
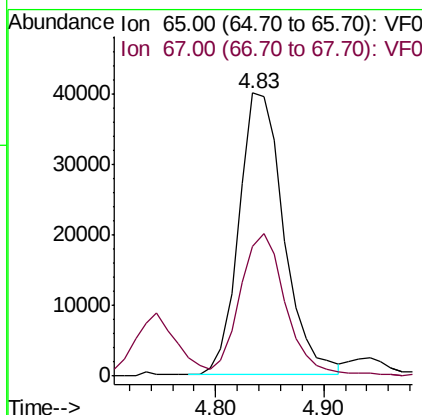
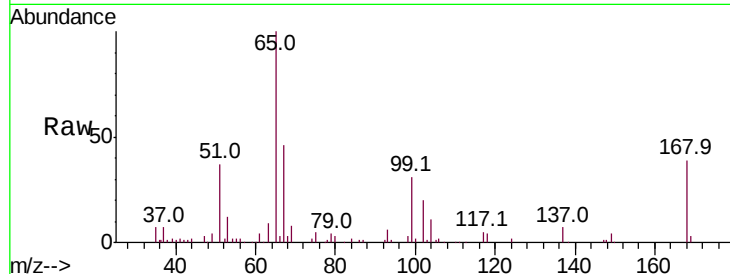




#33
 1,2-Dichloroethane-d4
 Concen: 42.655 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

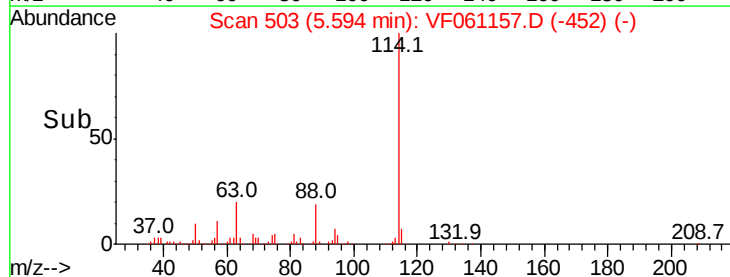
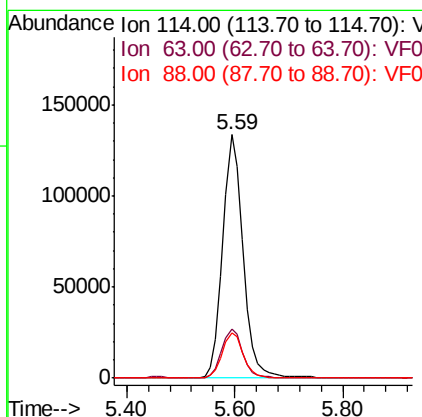
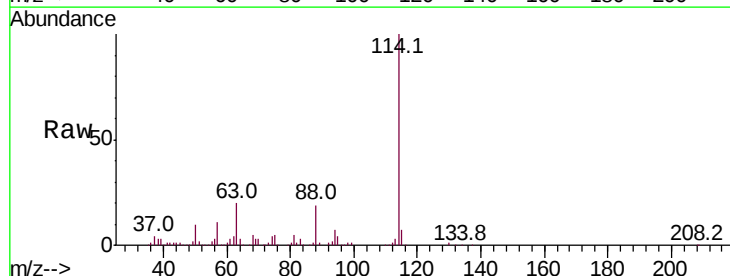
Instrument :
 MSVOA_F
 ClientSampled :

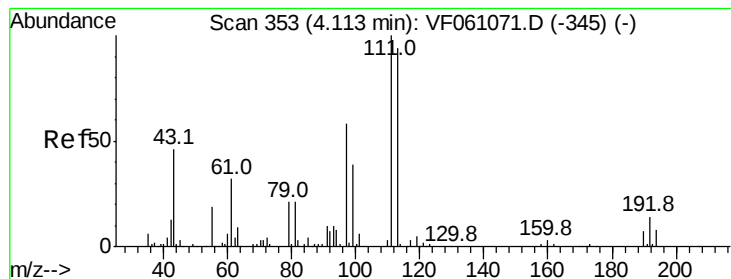
Tot Ion: 65 Resp: 115623
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion: 114 Resp: 349838
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.6
 88 18.5 0.0 38.0





#35

Dibromofluoromethane

Concen: 48.414 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

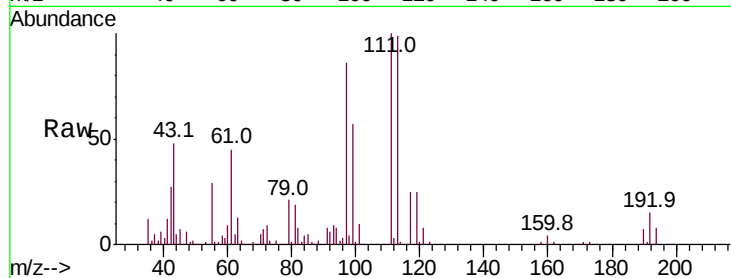
Tot Ion:113 Resp: 135676

Ion Ratio Lower Upper

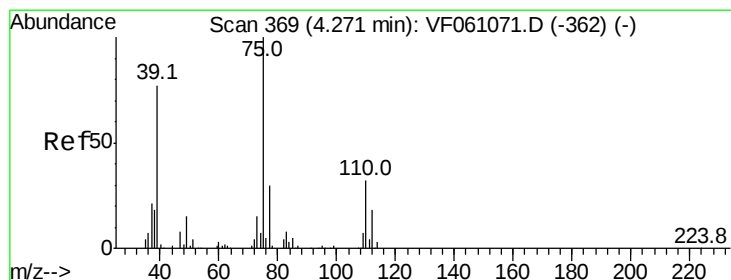
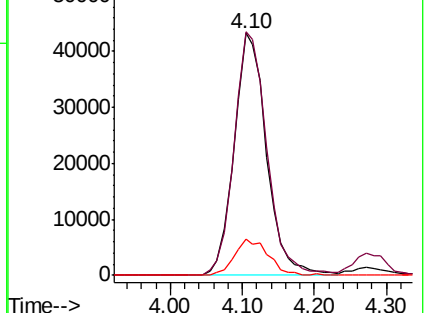
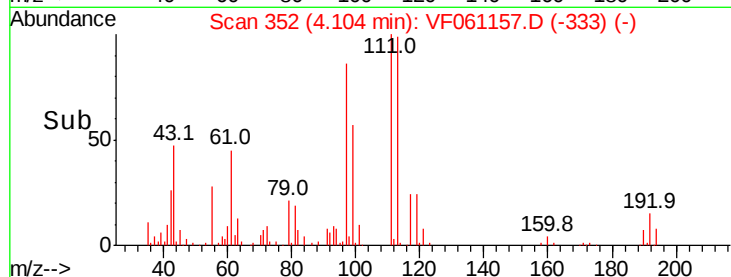
113 100

111 100.7 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: 50.091 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

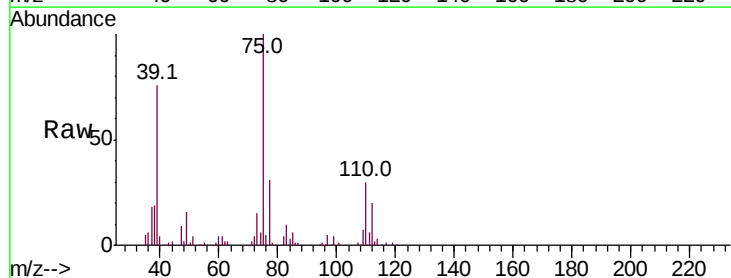
Tgt Ion: 75 Resp: 211524

Ion Ratio Lower Upper

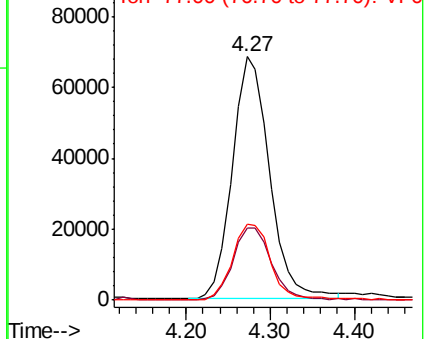
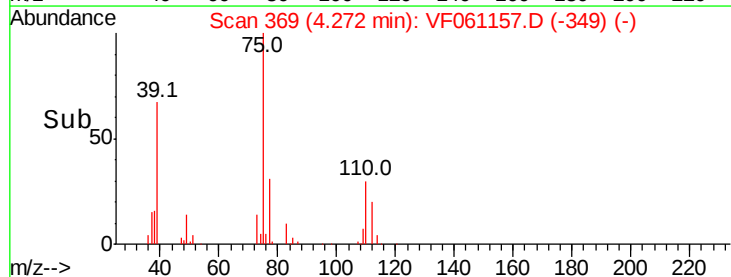
75 100

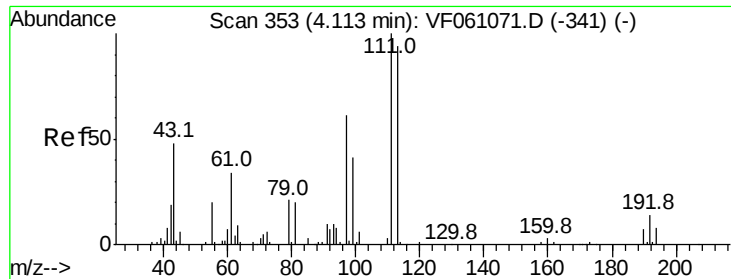
110 29.6 16.1 48.2

77 31.1 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: 51.960 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

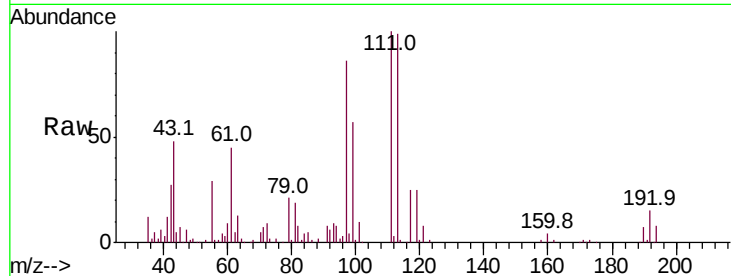
Tot Ion: 43 Resp: 84747

Ion Ratio Lower Upper

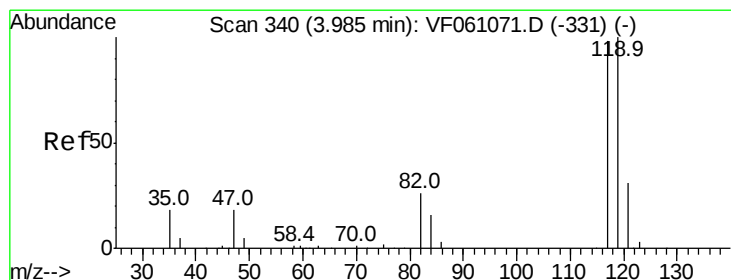
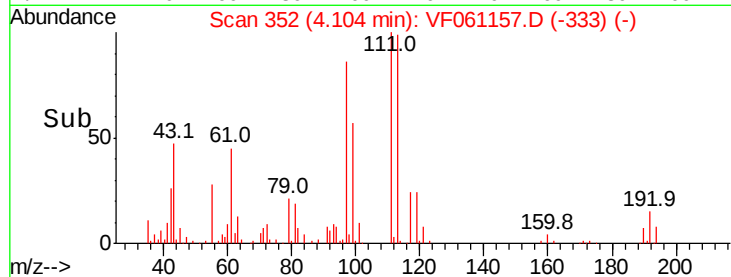
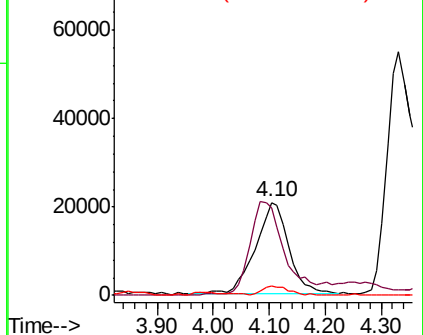
43 100

61 93.5 56.6 84.8#

70 10.2 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: 53.321 ug/l

RT: 3.99 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

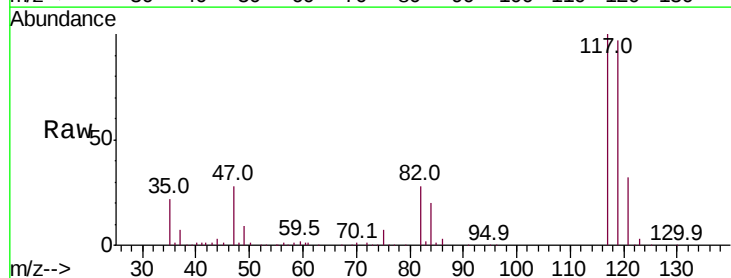
Tgt Ion: 117 Resp: 171470

Ion Ratio Lower Upper

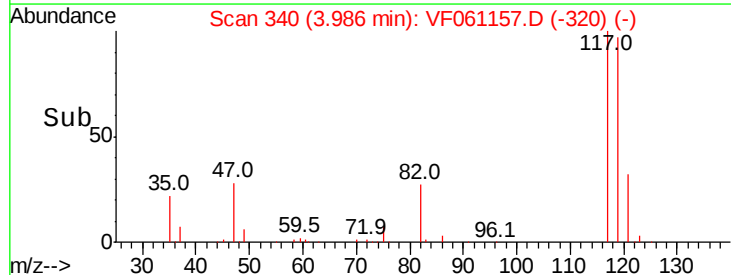
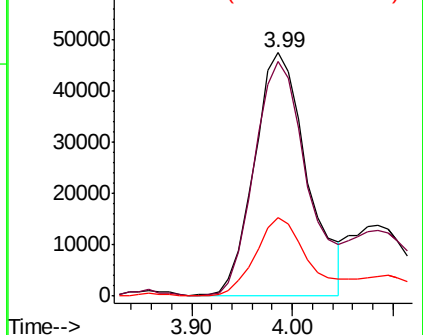
117 100

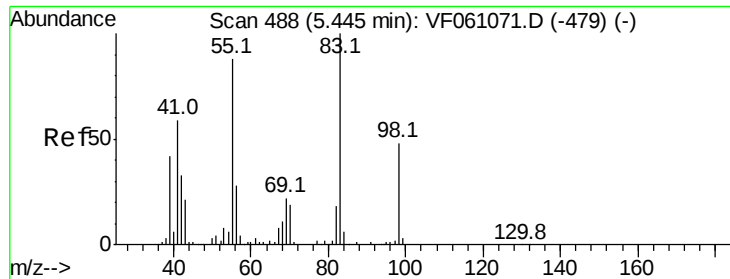
119 96.5 82.1 123.1

121 32.1 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

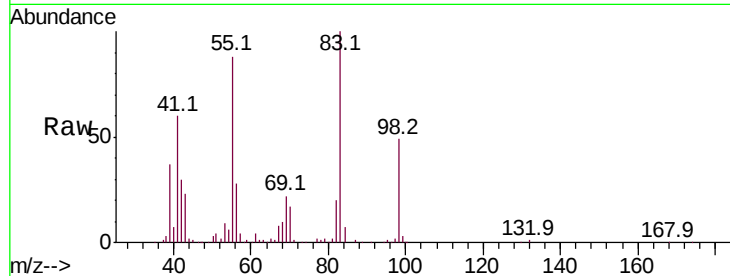




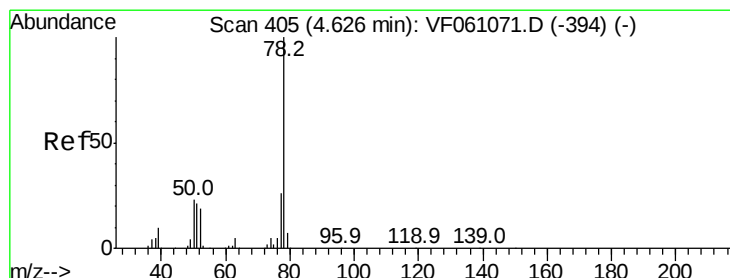
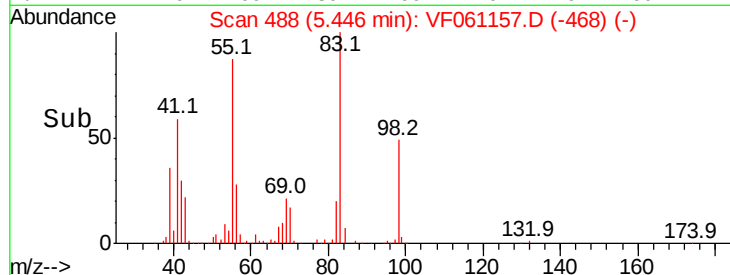
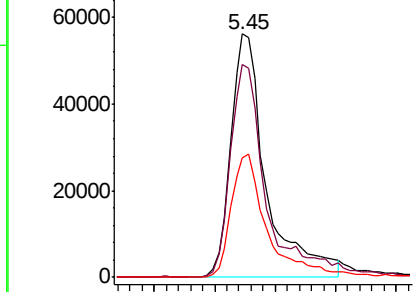
#39
Methvlcvclohexane
Concen: 60.573 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 229475
Ion Ratio Lower Upper
83 100
55 87.6 70.6 105.8
98 49.0 38.5 57.7

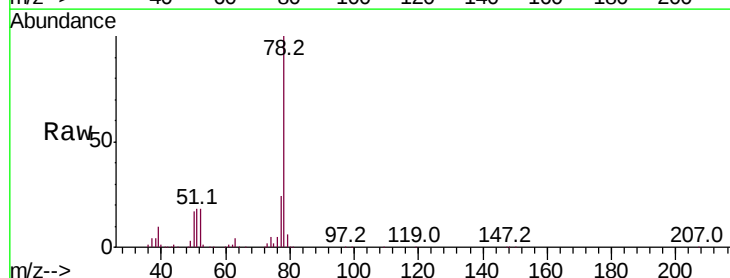


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

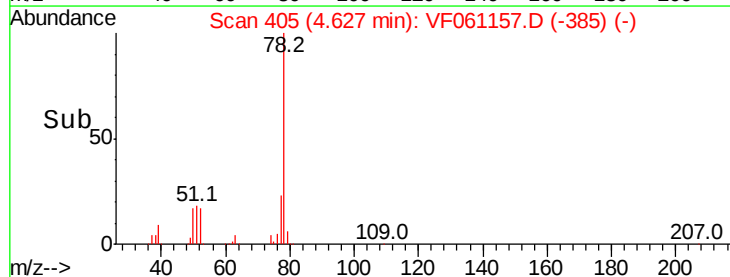
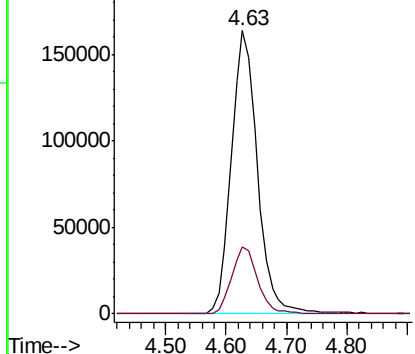


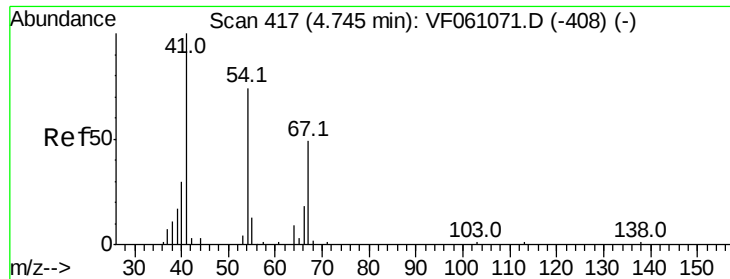
#40
Benzene
Concen: 54.100 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 78 Resp: 491293
Ion Ratio Lower Upper
78 100
77 23.6 20.7 31.1



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





#41

Methacrylonitrile

Concen: 52.657 ug/l

RT: 4.75 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 46960

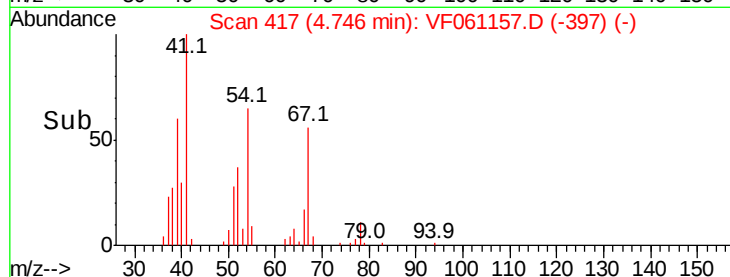
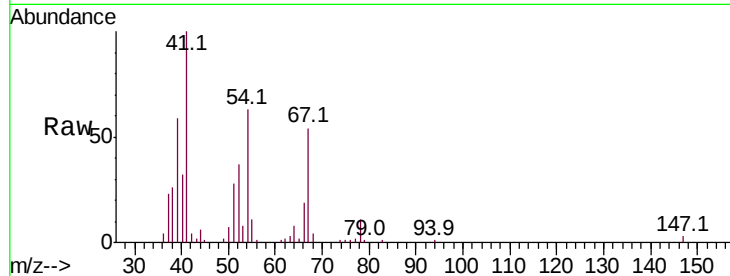
Ion Ratio Lower Upper

41 100

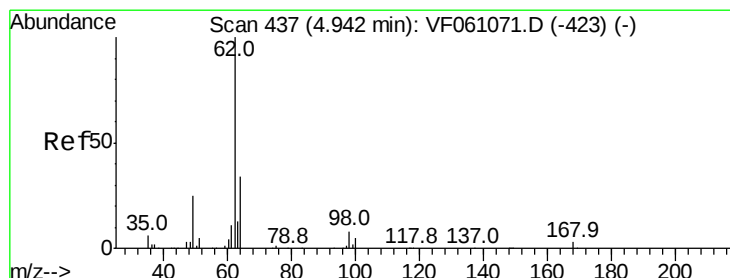
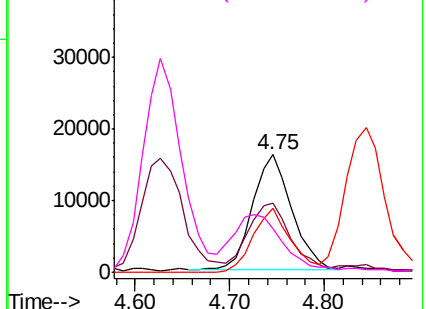
39 59.4 45.7 68.5

67 54.2 38.9 58.3

52 37.1 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: 47.638 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.00 min

Lab File: VF061157.D

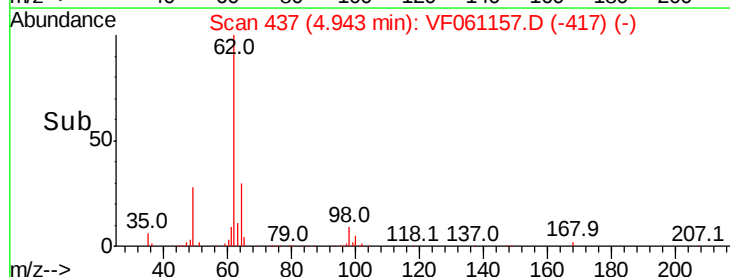
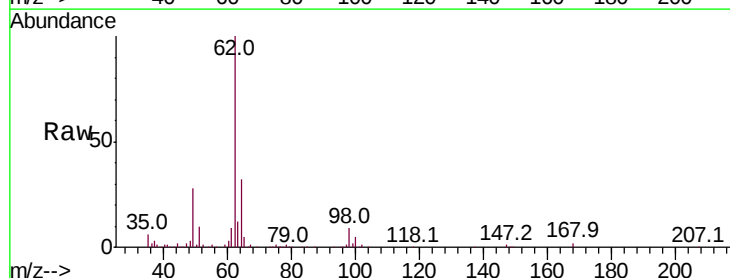
Acq: 24 Dec 2018 11:06

Tgt Ion: 62 Resp: 164339

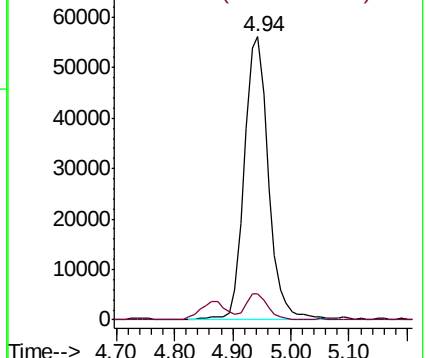
Ion Ratio Lower Upper

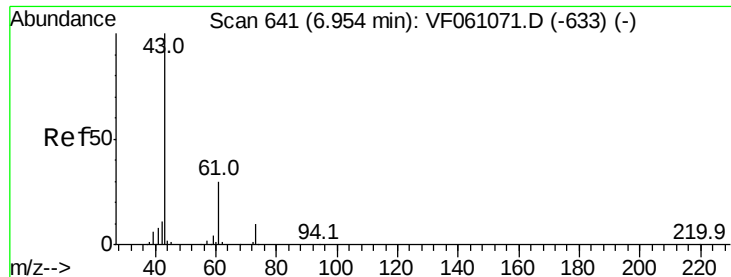
62 100

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



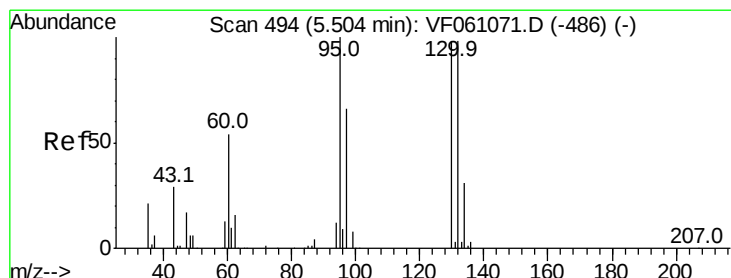
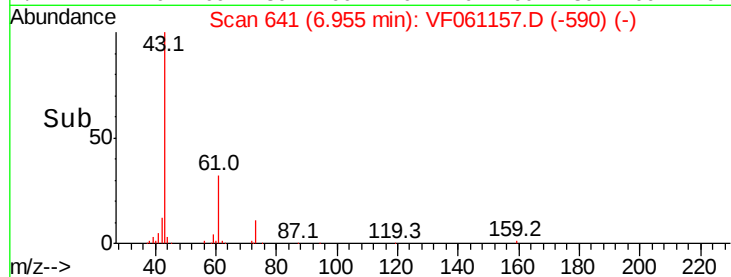
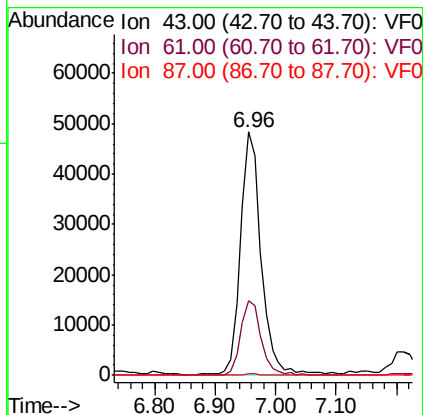
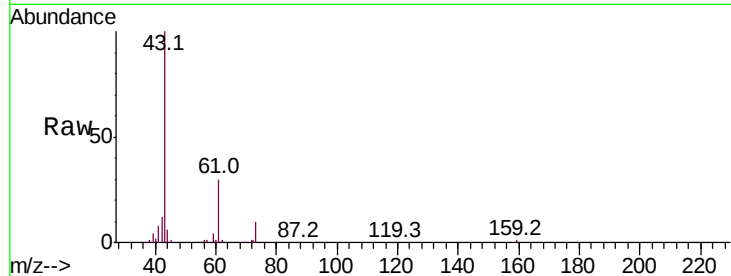


#43

Isopropyl Acetate
 Concen: 55.978 ug/l
 RT: 6.96 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :

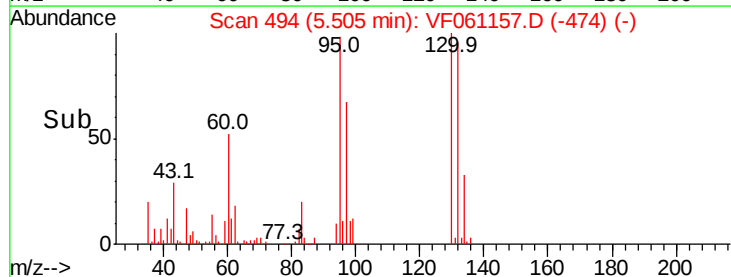
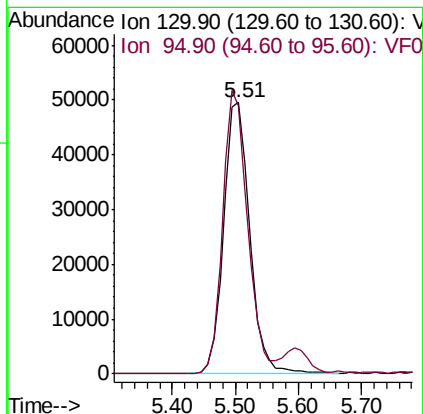
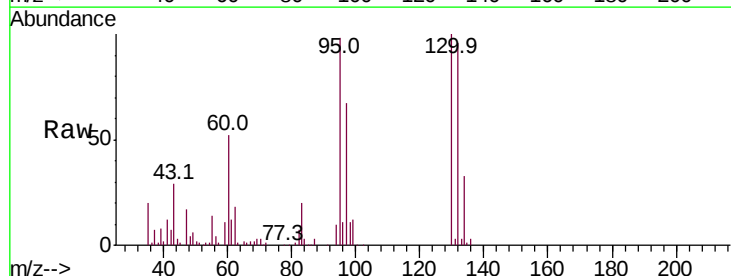
Tot Ion: 43 Resp: 114137
 Ion Ratio Lower Upper
 43 100
 61 30.4 23.8 35.8
 87 0.5 0.0 0.0#

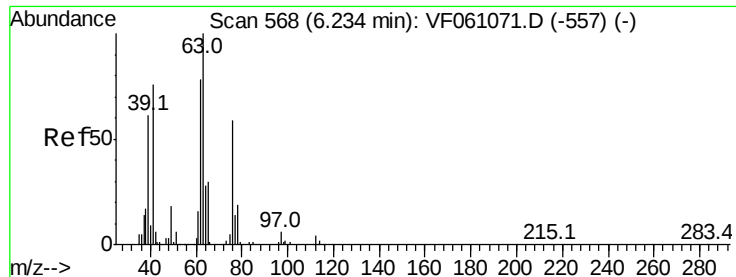


#44

Trichloroethene
 Concen: 49.675 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion:130 Resp: 142222
 Ion Ratio Lower Upper
 130 100
 95 98.5 0.0 205.2

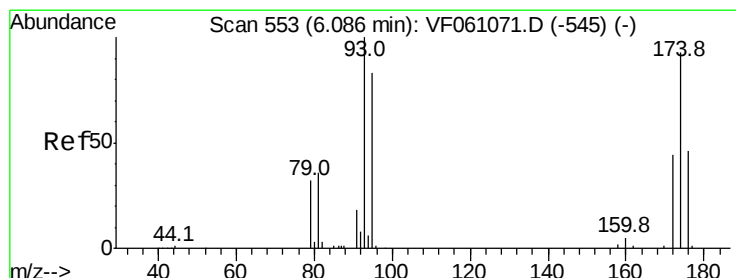
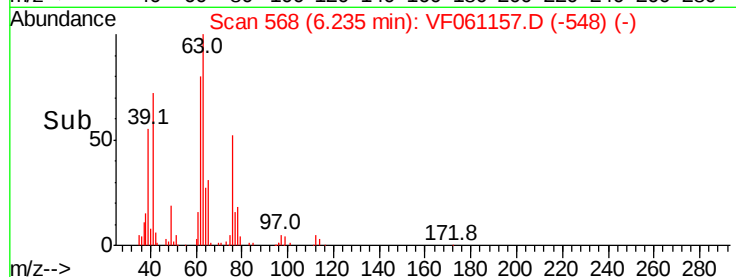
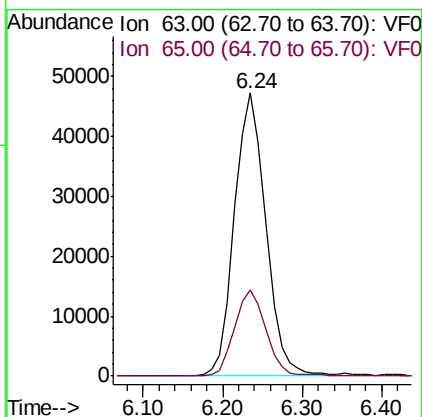
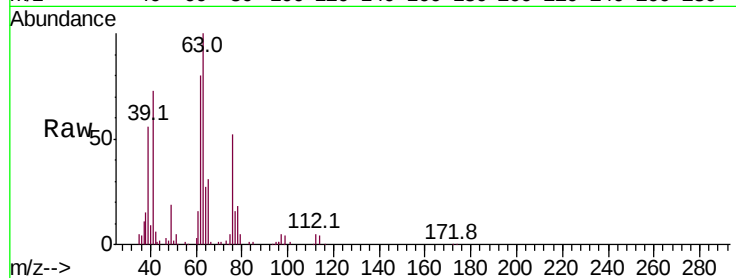




#45
1,2-Dichloropropane
Concen: 52.426 ug/l
RT: 6.24 min Scan# 568
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

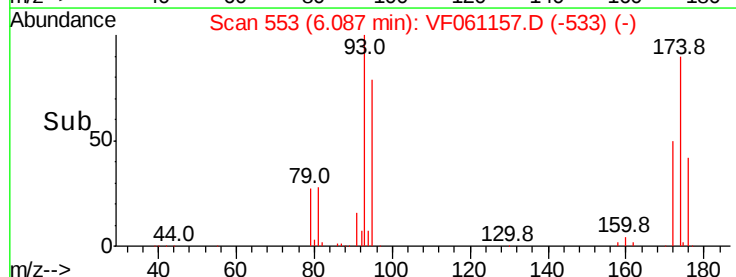
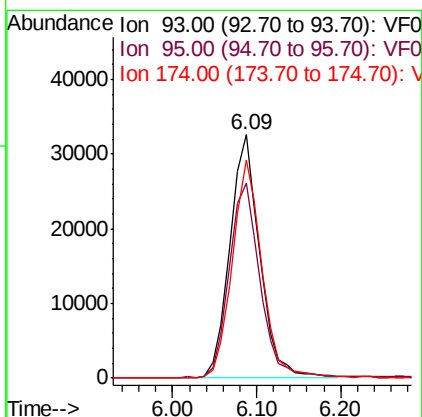
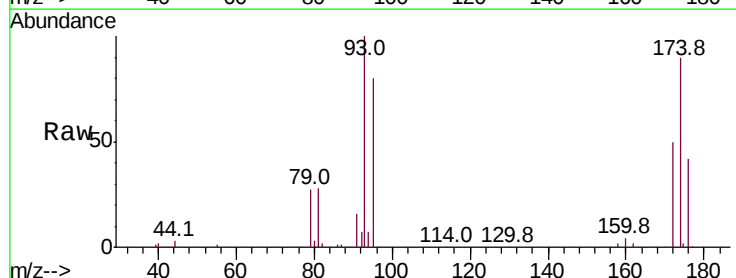
Instrument :
MSVOA_F
ClientSampleId :

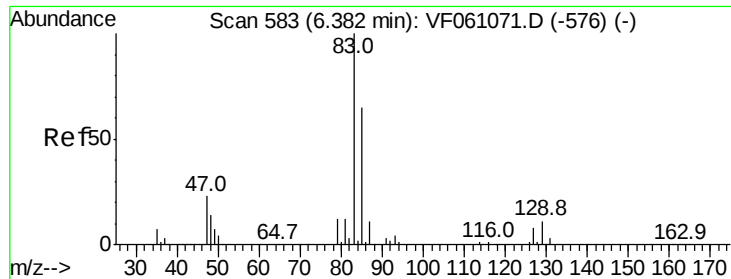
Tot Ion: 63 Resp: 129527
Ion Ratio Lower Upper
63 100
65 30.6 24.4 36.6



#46
Dibromomethane
Concen: 50.419 ug/l
RT: 6.09 min Scan# 553
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 93 Resp: 80794
Ion Ratio Lower Upper
93 100
95 79.9 66.9 100.3
174 91.3 74.1 111.1





#47

Bromodichloromethane

Concen: 51.227 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

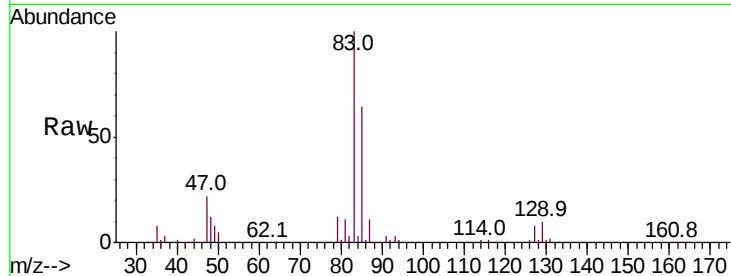
Tot Ion: 83 Resp: 213286

Ion Ratio Lower Upper

83 100

85 64.1 52.2 78.4

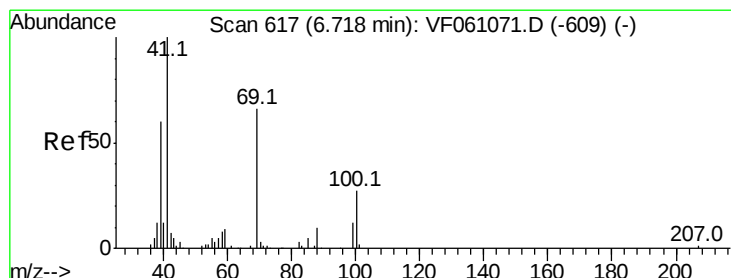
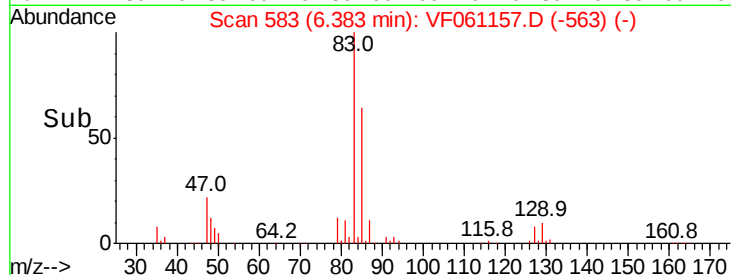
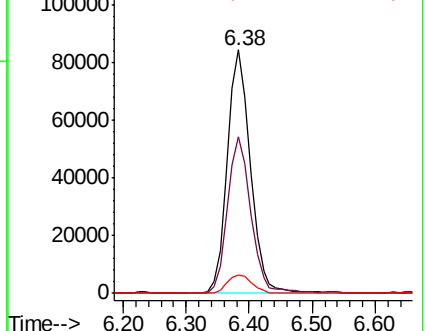
127 7.7 6.1 9.1



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: 51.578 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

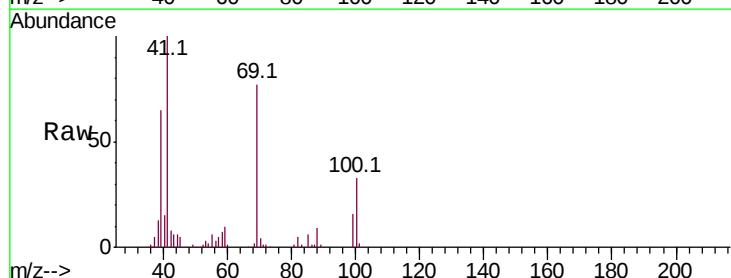
Tgt Ion: 41 Resp: 73417

Ion Ratio Lower Upper

41 100

69 77.2 52.7 79.1

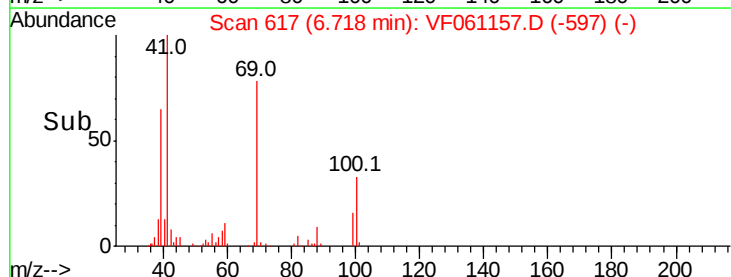
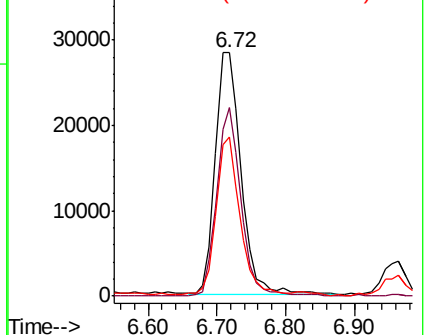
39 65.2 47.8 71.6

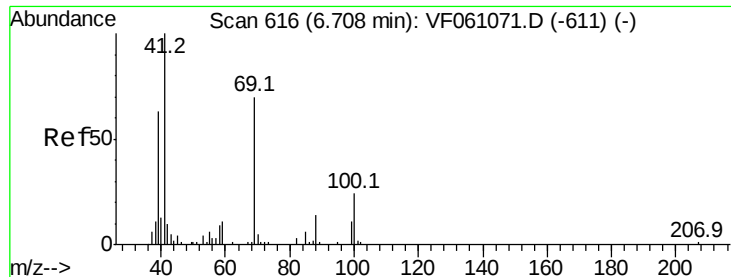


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 966.567 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

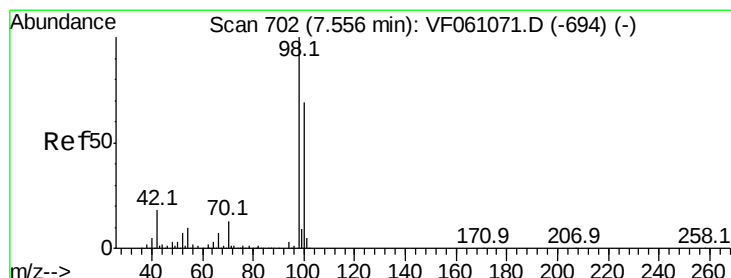
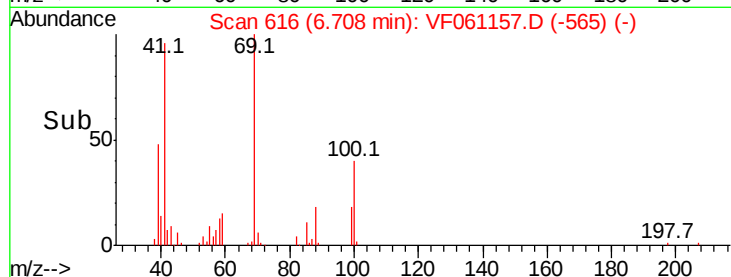
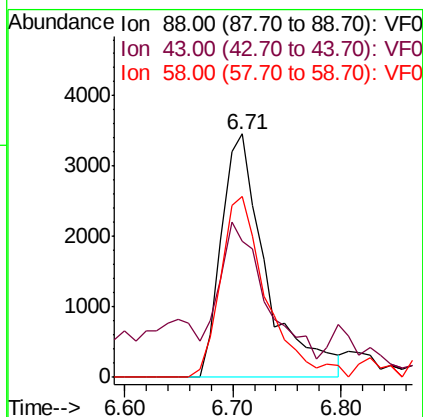
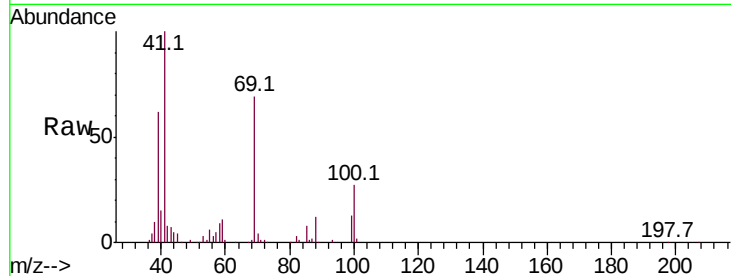
Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 9983

Ion	Ratio	Lower	Upper
88	100		
43	56.1	33.3	49.9#
58	74.5	53.2	79.8



#50

Toluene-d8

Concen: 51.482 ug/l

RT: 7.55 min Scan# 701

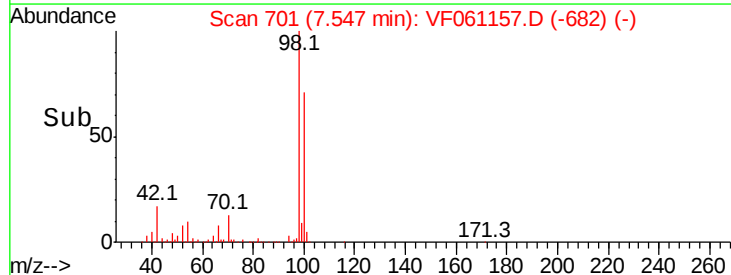
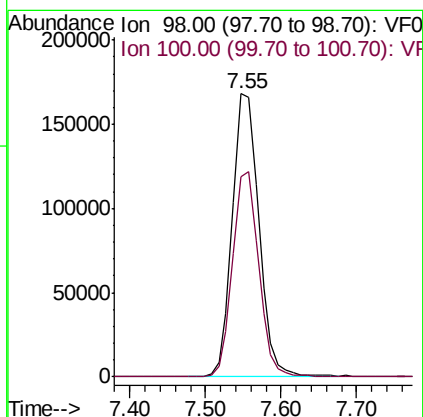
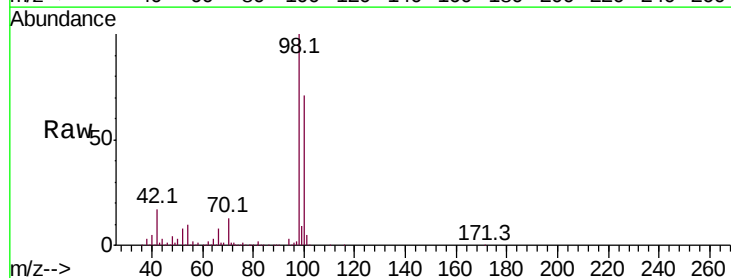
Delta R.T. -0.01 min

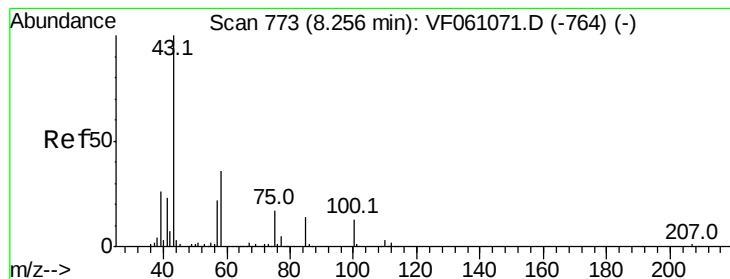
Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion: 98 Resp: 408854

Ion	Ratio	Lower	Upper
98	100		
100	70.7	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 263.019 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

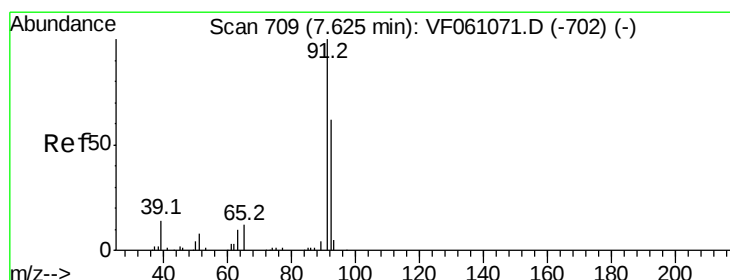
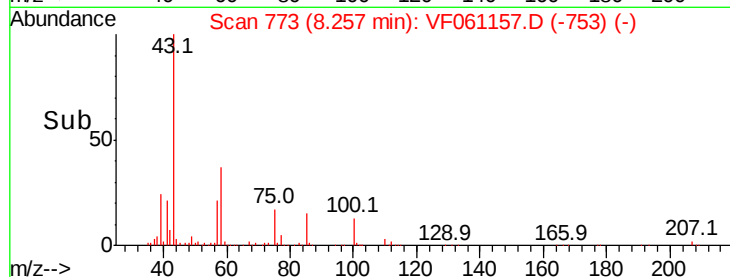
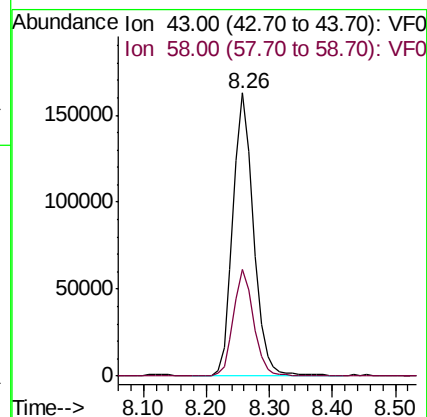
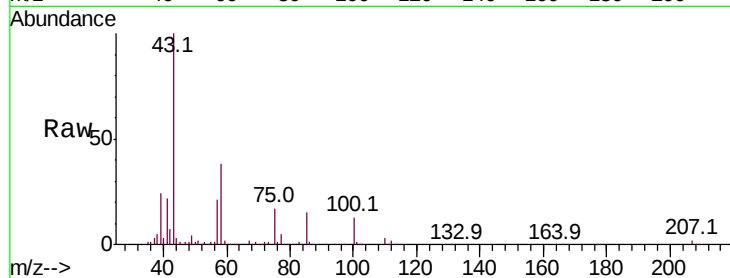
ClientSampleId :

Tot Ion: 43 Resp: 367798

Ion Ratio Lower Upper

43 100

58 37.5 29.1 43.7



#52

Toluene

Concen: 53.538 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061157.D

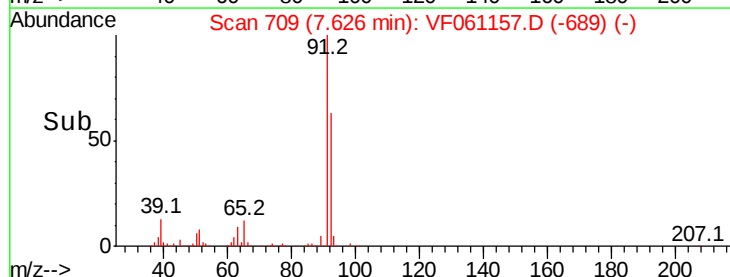
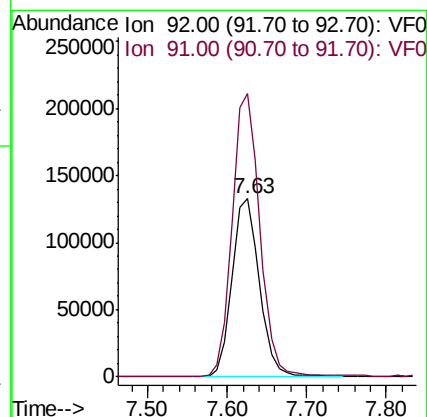
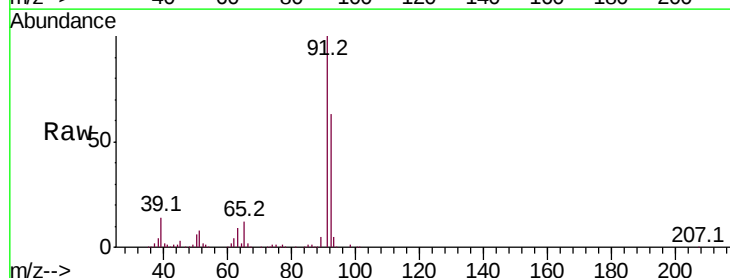
Acq: 24 Dec 2018 11:06

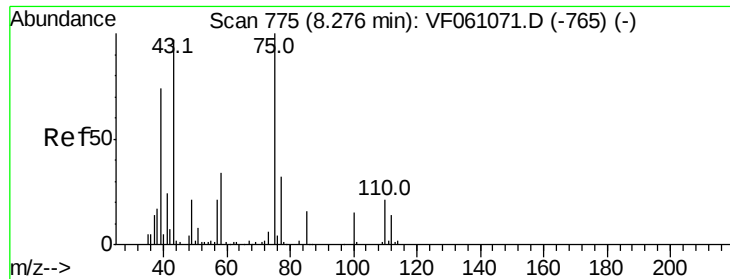
Tgt Ion: 92 Resp: 321829

Ion Ratio Lower Upper

92 100

91 159.2 128.8 193.2

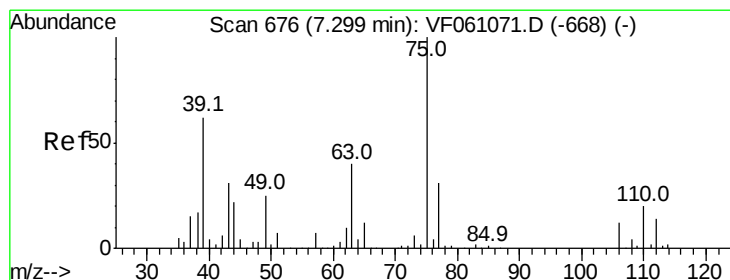
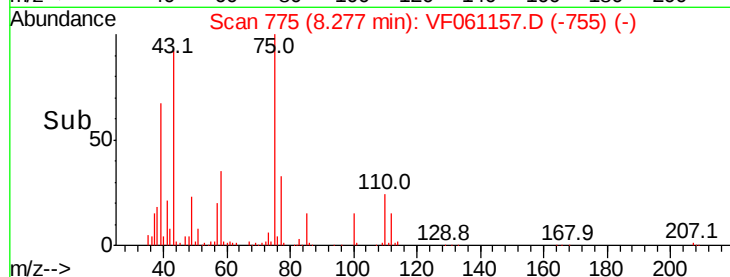
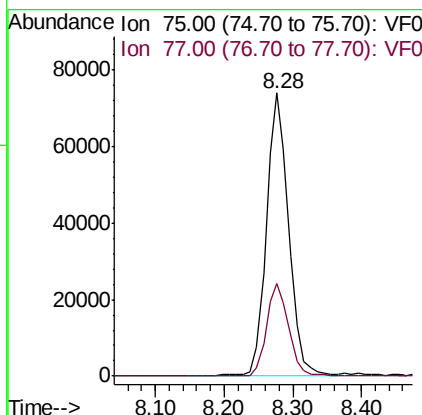
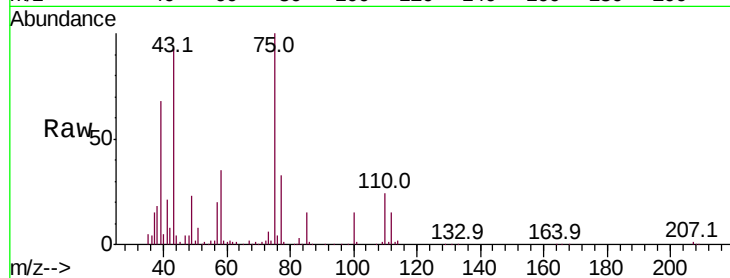




#53
t-1,3-Dichloropropene
Concen: 49.802 ug/l
RT: 8.28 min Scan# 775
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

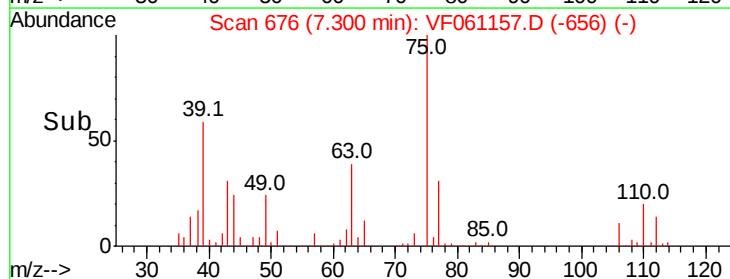
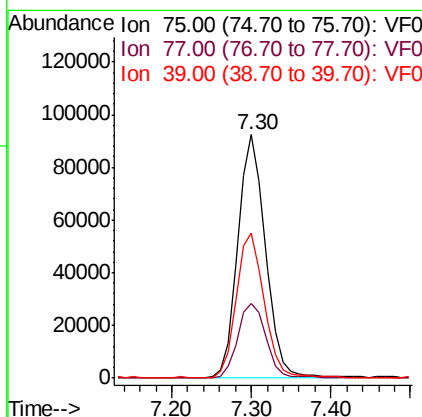
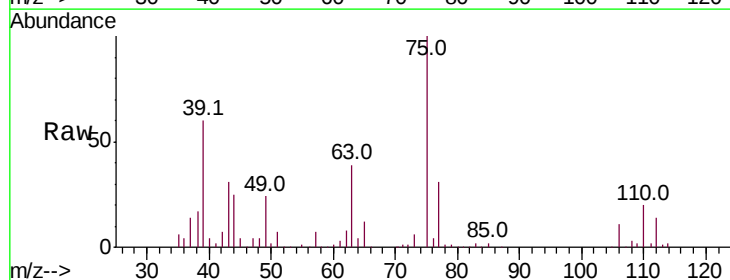
Instrument :
MSVOA_F
ClientSampleId :

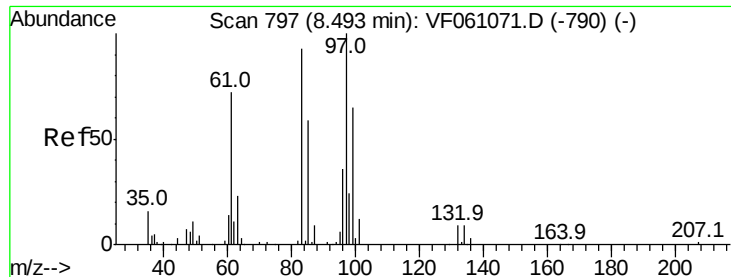
Tot Ion: 75 Resp: 167274
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 52.907 ug/l
RT: 7.30 min Scan# 676
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 75 Resp: 223030
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4
39 59.5 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 50.220 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 90500

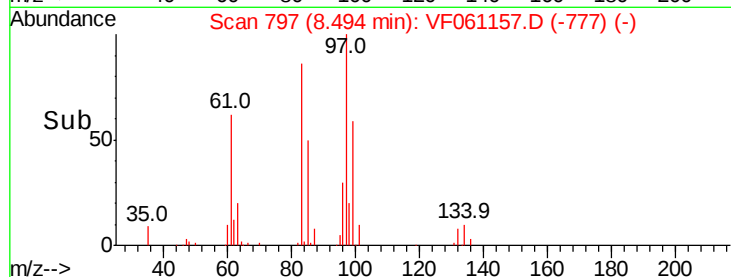
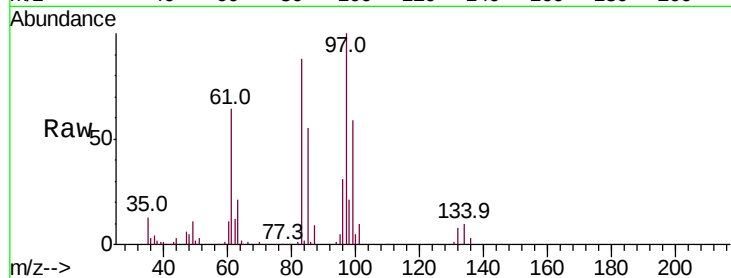
Ion	Ratio	Lower	Upper
97	100		
83	88.2	75.0	112.4
85	55.5	47.5	71.3
99	58.5	51.9	77.9

97 100

83 88.2 75.0 112.4

85 55.5 47.5 71.3

99 58.5 51.9 77.9

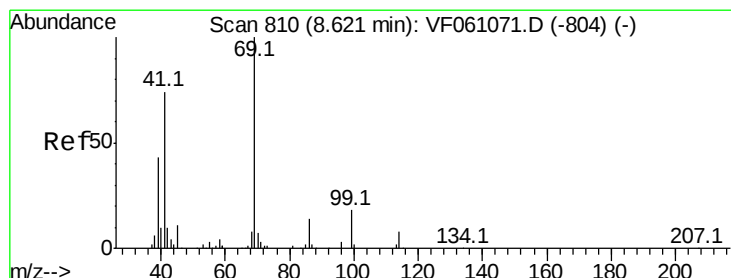
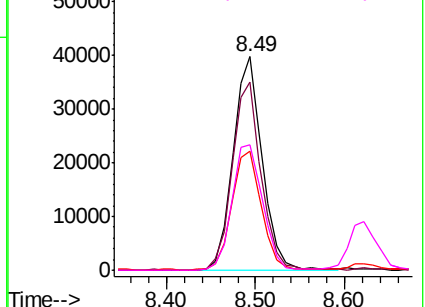


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 54.078 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

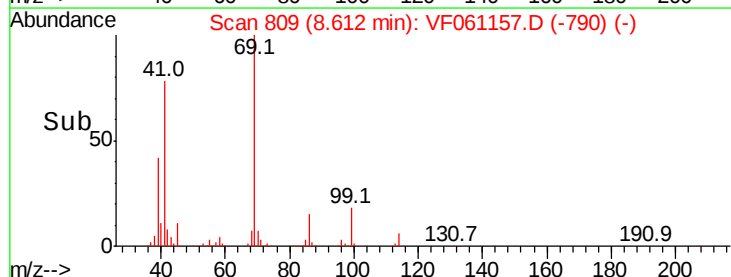
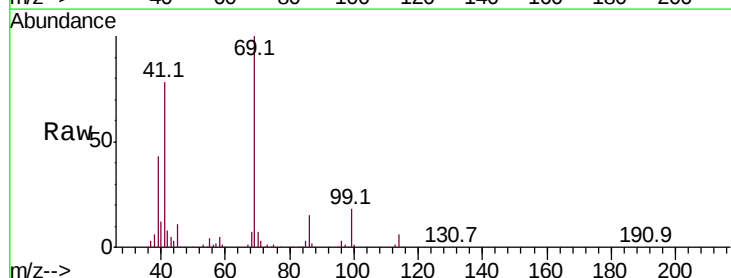
Tgt Ion: 69 Resp: 105452

Ion	Ratio	Lower	Upper
69	100		
41	78.5	59.7	89.5
39	42.9	35.0	52.6

69 100

41 78.5 59.7 89.5

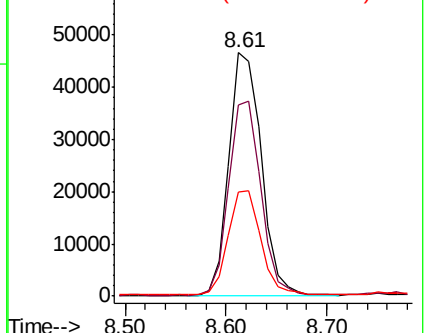
39 42.9 35.0 52.6

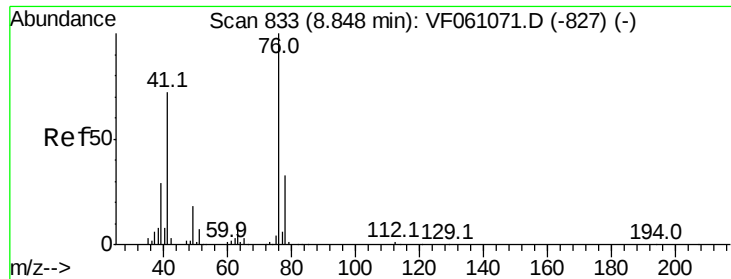


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.683 ug/l

RT: 8.85 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

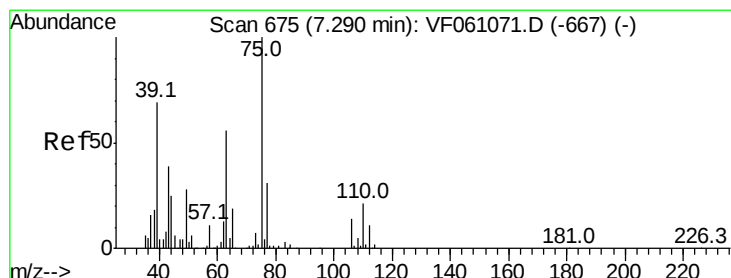
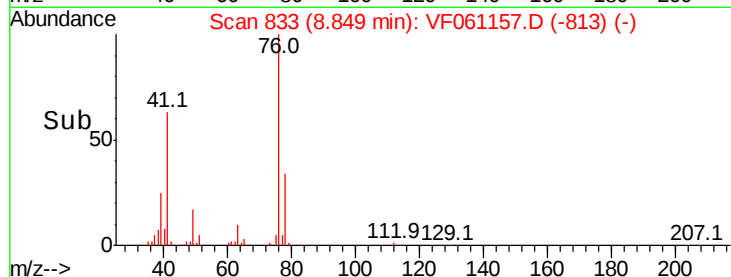
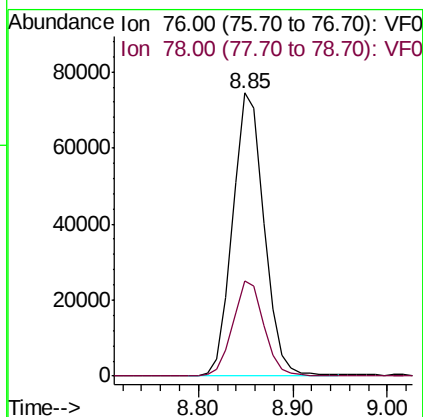
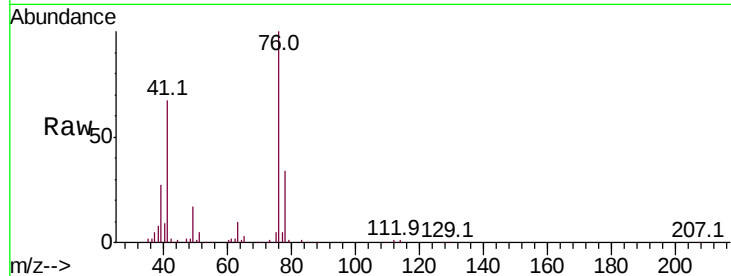
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 171708

Ion Ratio Lower Upper

76 100

78 33.7 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 246.760 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061157.D

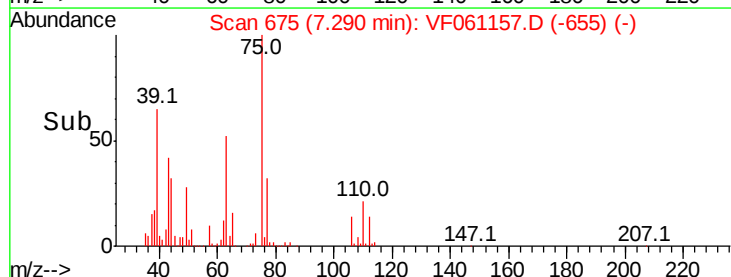
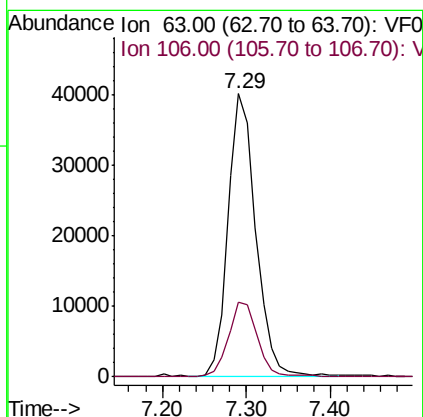
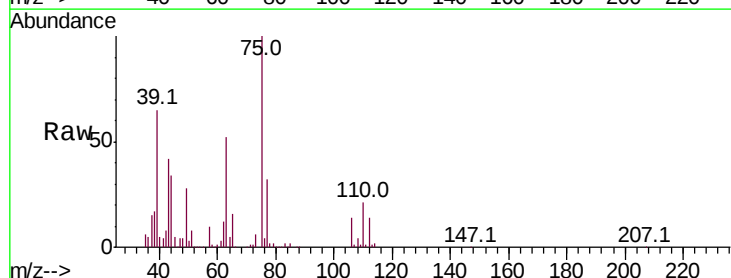
Acq: 24 Dec 2018 11:06

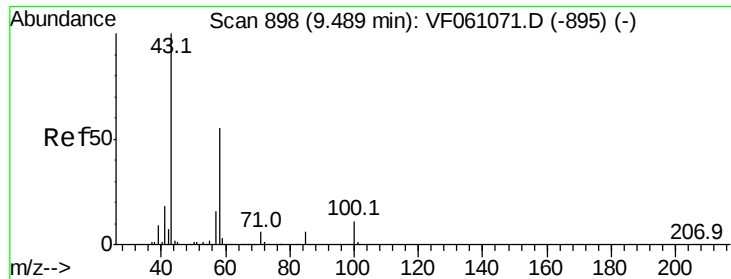
Tgt Ion: 63 Resp: 92414

Ion Ratio Lower Upper

63 100

106 26.3 19.8 29.8

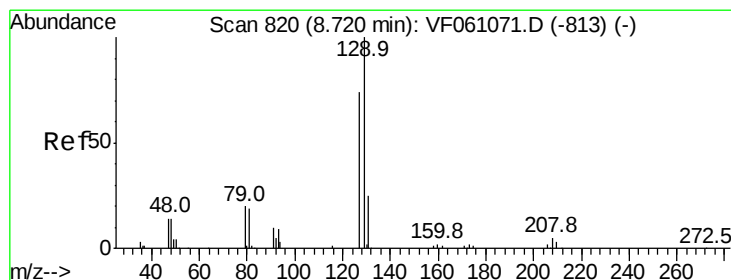
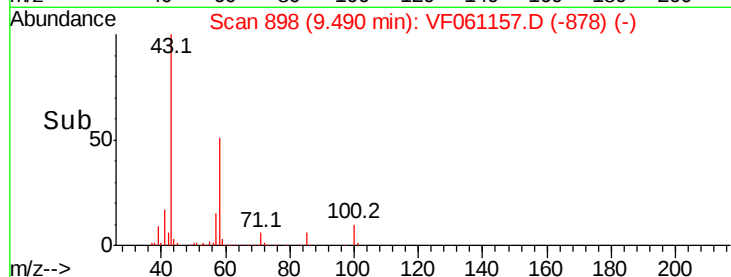
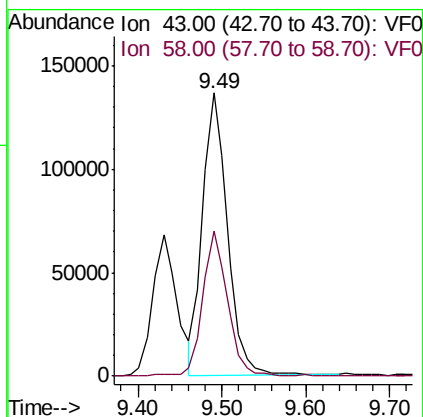
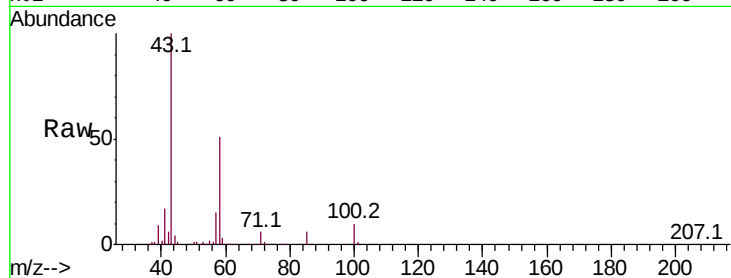




#59
2-Hexanone
Concen: 276.571 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

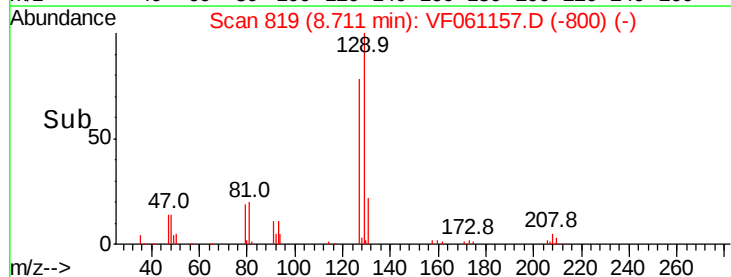
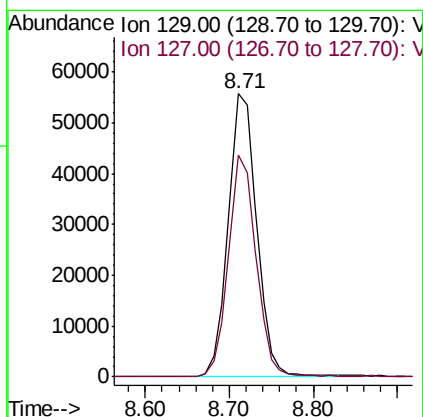
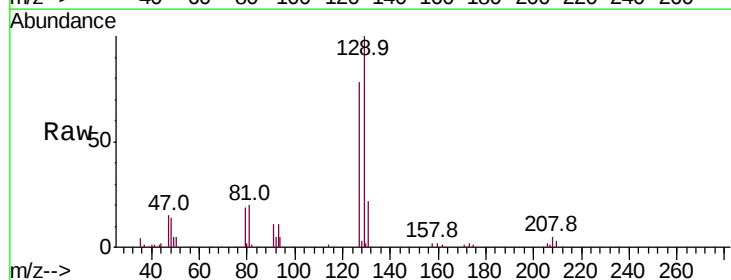
Instrument :
MSVOA_F
ClientSampleId :

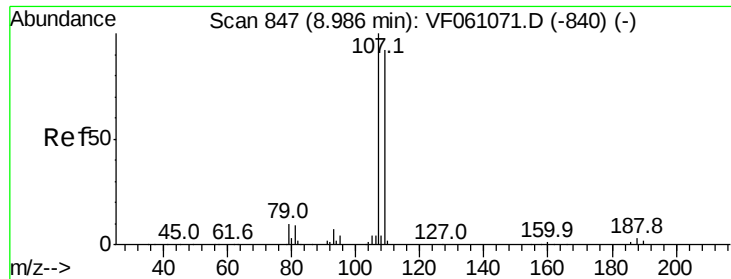
Tot Ion: 43 Resp: 279688
Ion Ratio Lower Upper
43 100
58 51.2 25.1 75.2



#60
Dibromochloromethane
Concen: 50.974 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion:129 Resp: 131676
Ion Ratio Lower Upper
129 100
127 78.2 36.8 110.3





#61

1,2-Dibromoethane

Concen: 52.043 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

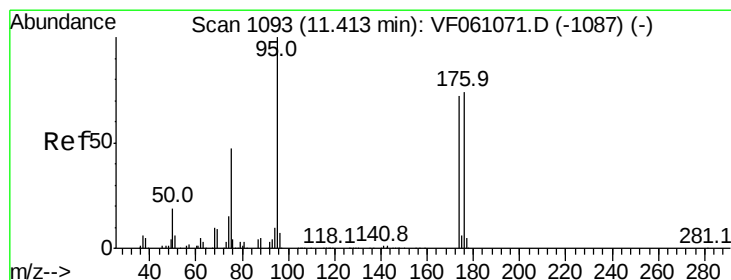
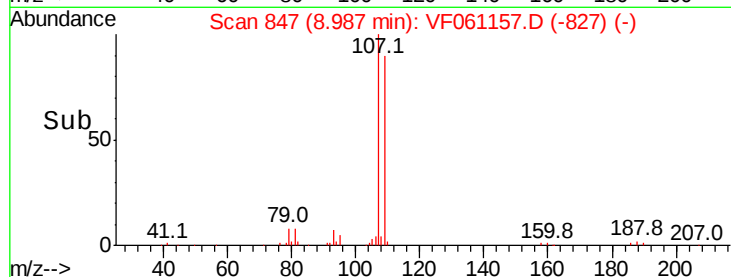
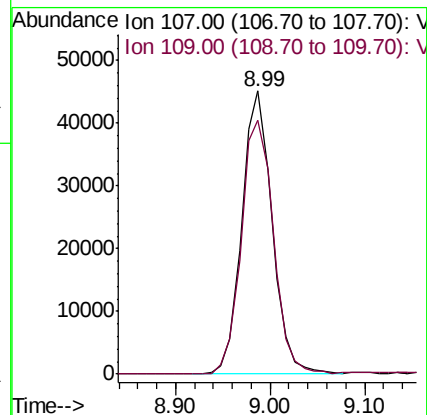
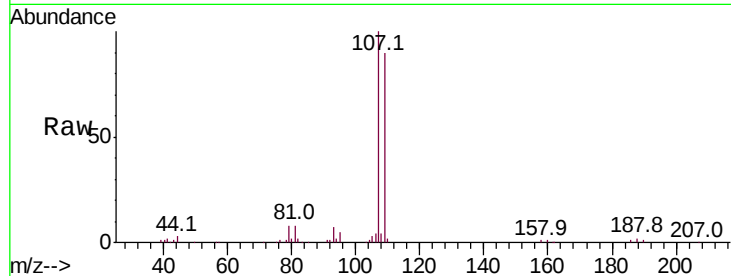
ClientSampled :

Tot Ion:107 Resp: 100162

Ion Ratio Lower Upper

107 100

109 89.9 73.7 110.5



#62

4-Bromofluorobenzene

Concen: 44.885 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

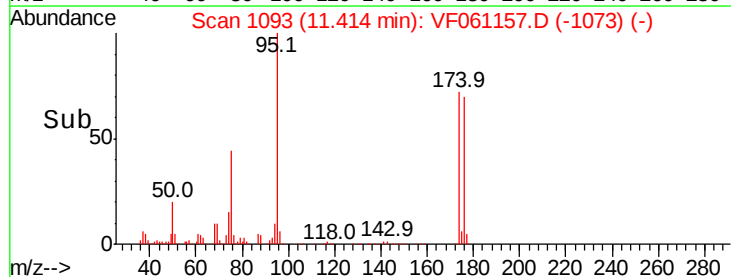
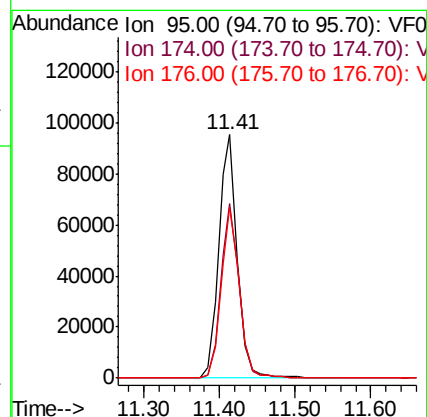
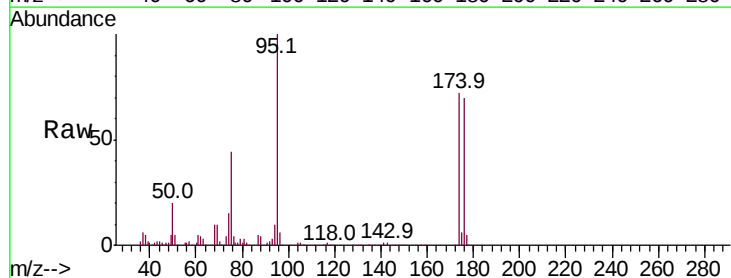
Tgt Ion: 95 Resp: 164334

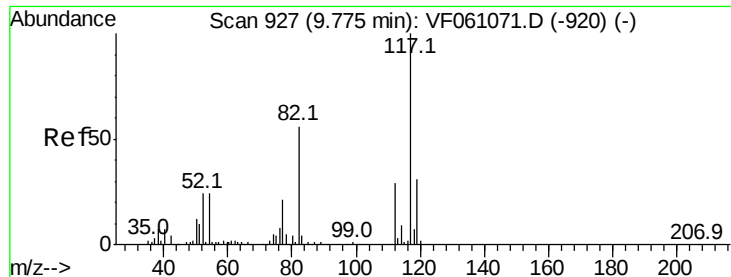
Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.8

176 70.0 0.0 147.6

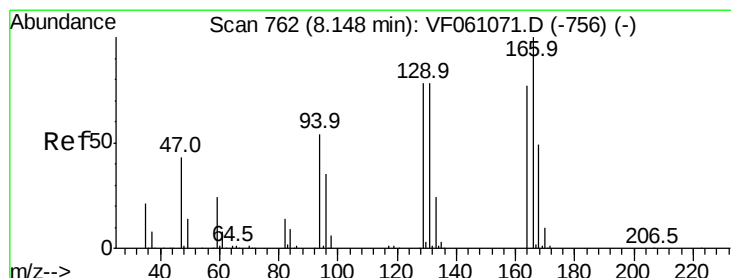
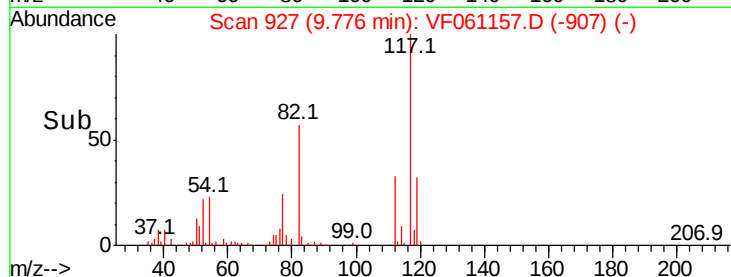
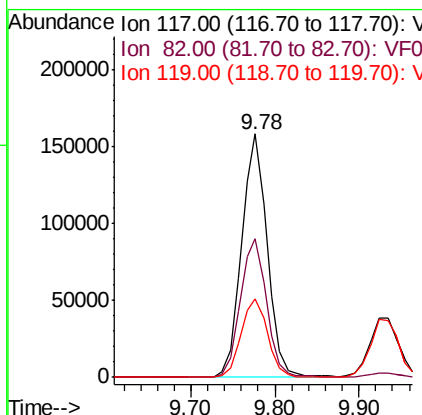
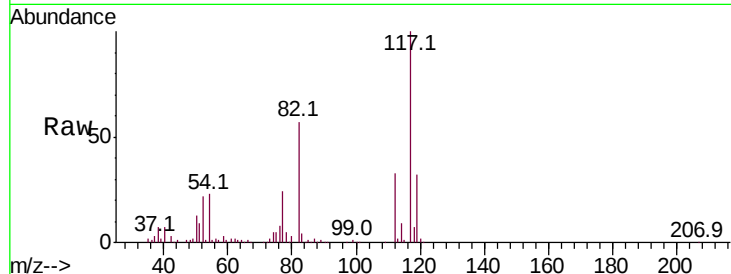




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

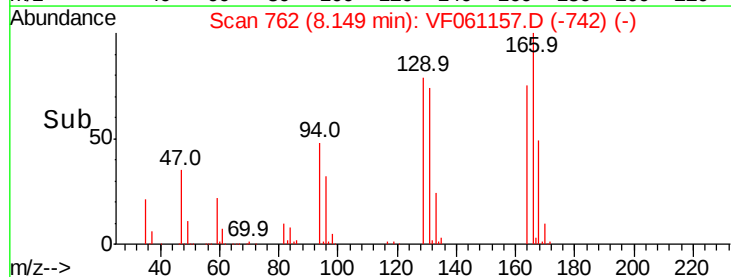
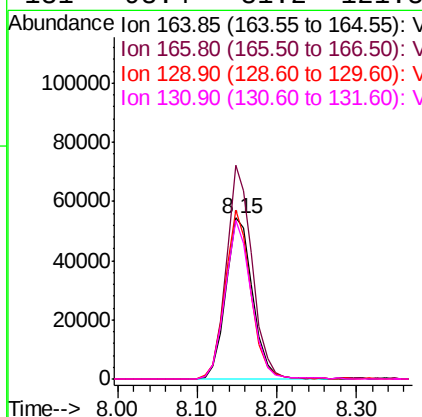
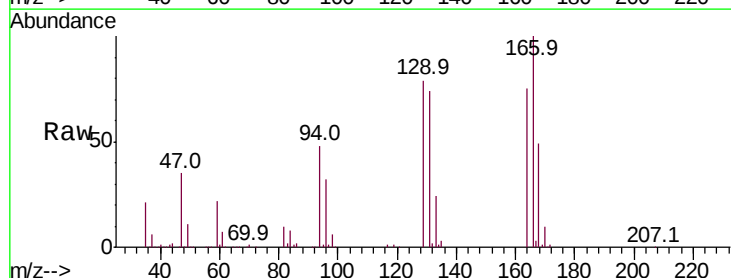
Instrument :
MSVOA_F
ClientSampleId :

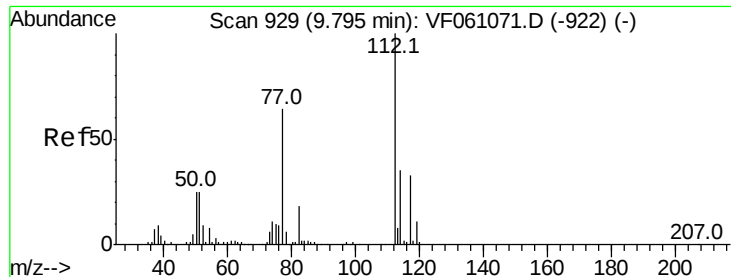
Tot Ion:117 Resp: 334719
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 32.4 24.8 37.2



#64
Tetrachloroethene
Concen: 50.189 ug/l
RT: 8.15 min Scan# 762
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion:164 Resp: 129230
Ion Ratio Lower Upper
164 100
166 132.9 104.0 156.0
129 105.5 81.1 121.7
131 98.4 81.2 121.8

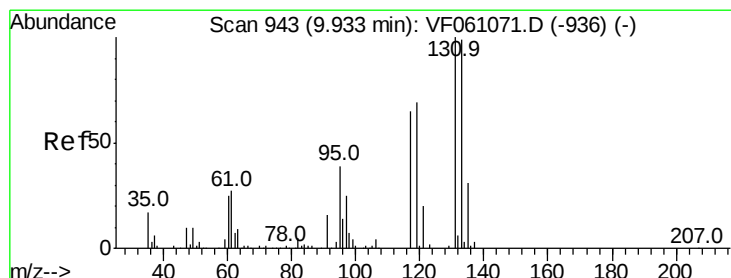
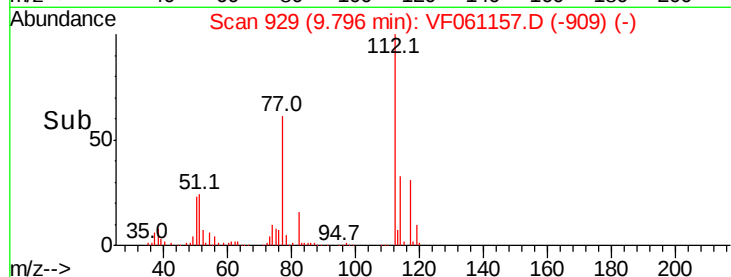
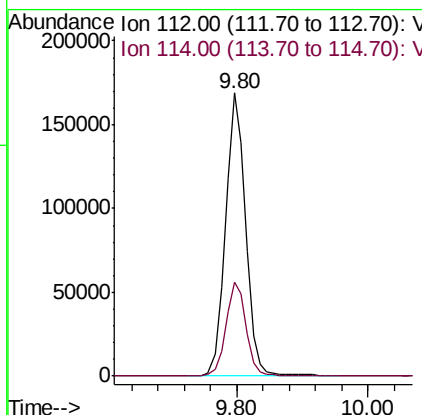
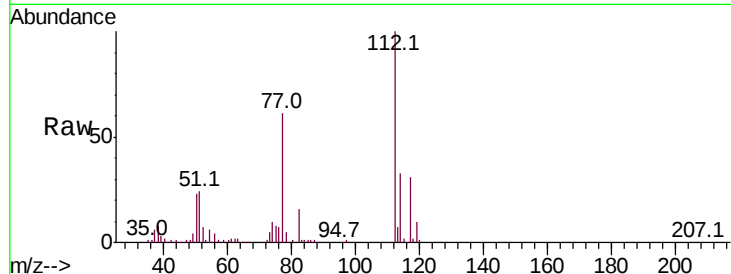




#65
Chlorobenzene
Concen: 52.592 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

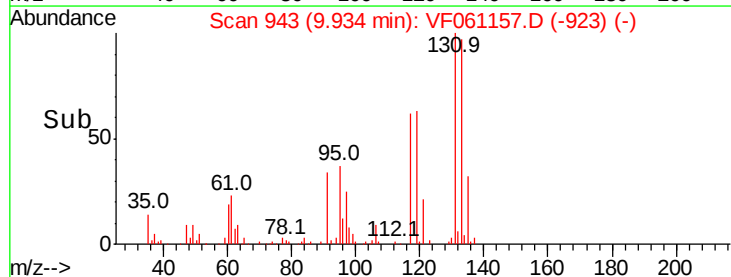
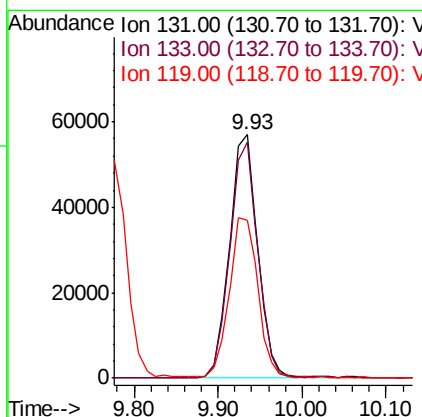
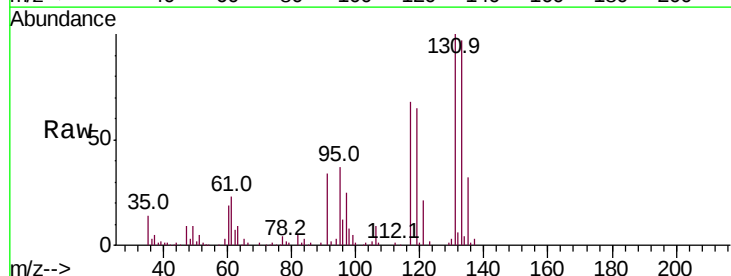
Instrument :
MSVOA_F
ClientSampleId :

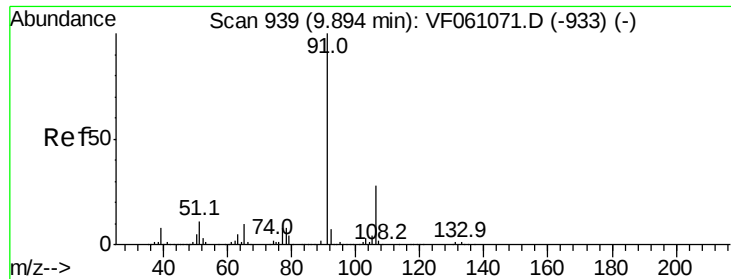
Tot Ion:112 Resp: 363664
Ion Ratio Lower Upper
112 100
114 33.0 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.204 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion:131 Resp: 133390
Ion Ratio Lower Upper
131 100
133 96.8 49.5 148.7
119 65.0 34.5 103.5

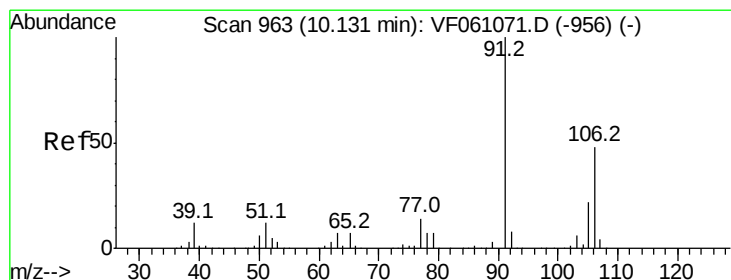
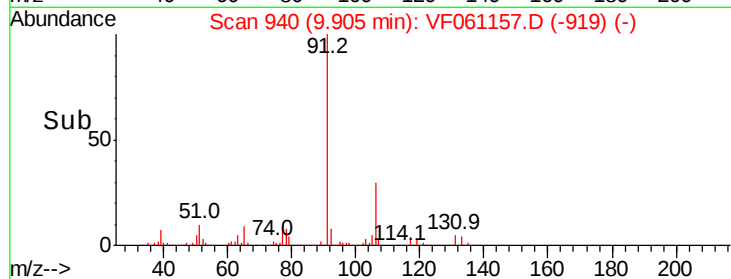
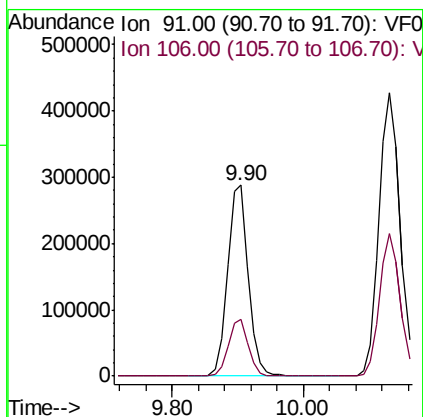
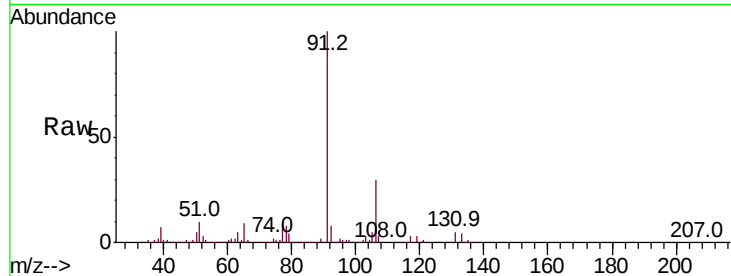




#67
Ethvl Benzene
Concen: 50.400 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

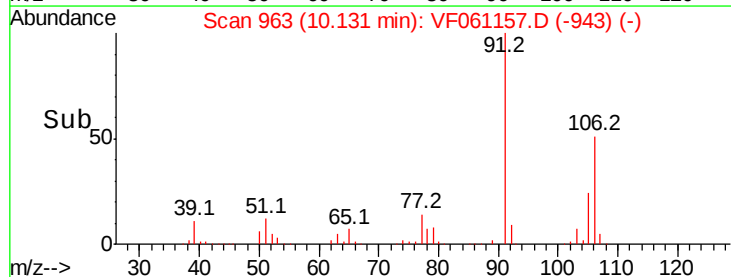
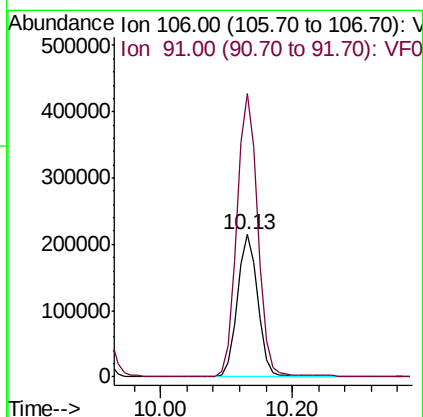
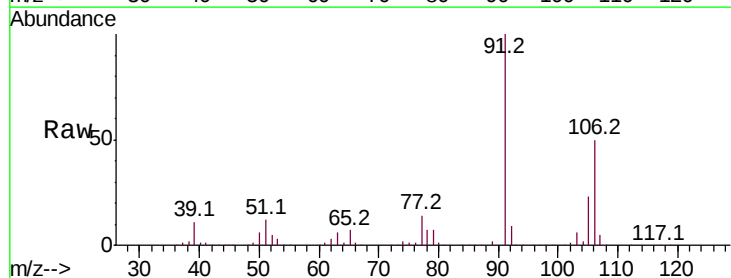
Instrument :
MSVOA_F
ClientSampleId :

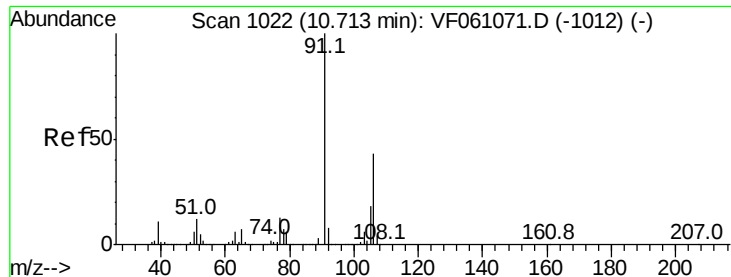
Tot Ion: 91 Resp: 634910
Ion Ratio Lower Upper
91 100
106 30.0 22.5 33.7



#68
m/p-Xylenes
Concen: 106.042 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion:106 Resp: 470124
Ion Ratio Lower Upper
106 100
91 198.7 168.2 252.2

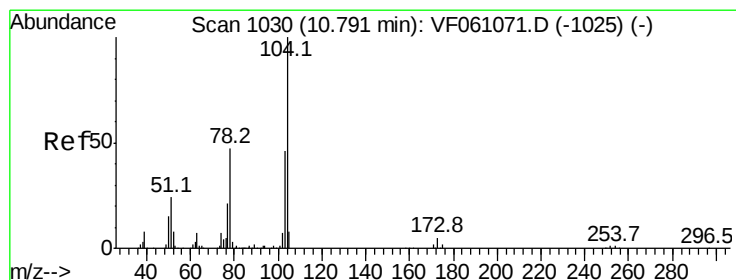
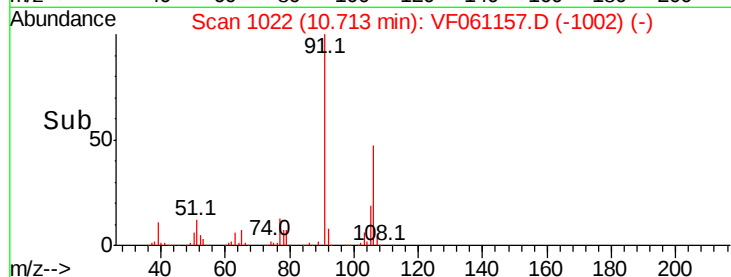
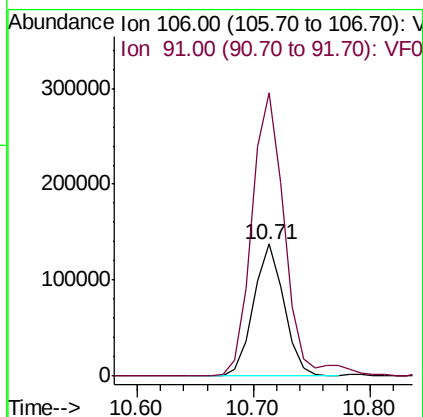
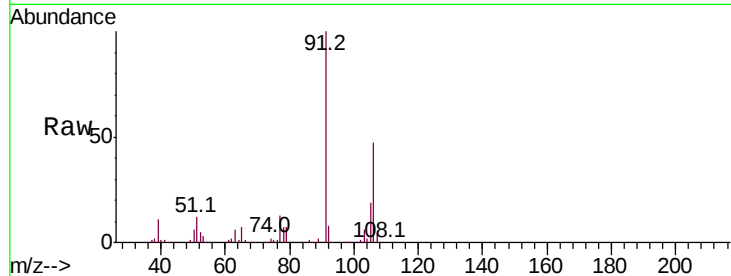




#69
o-Xylene
Concen: 50.794 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

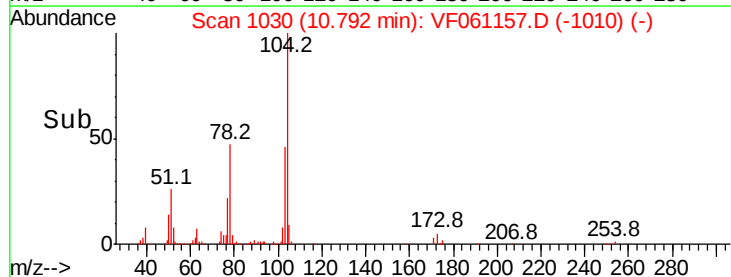
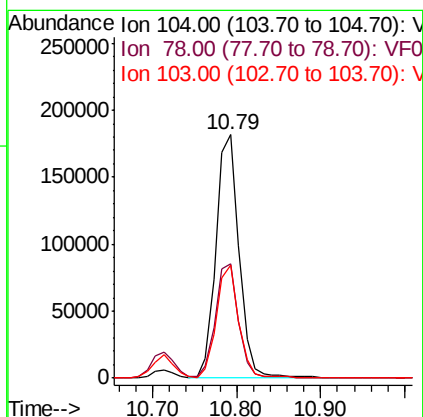
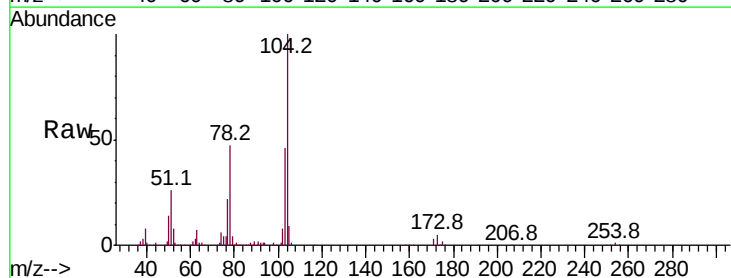
Instrument :
MSVOA_F
ClientSampleId :

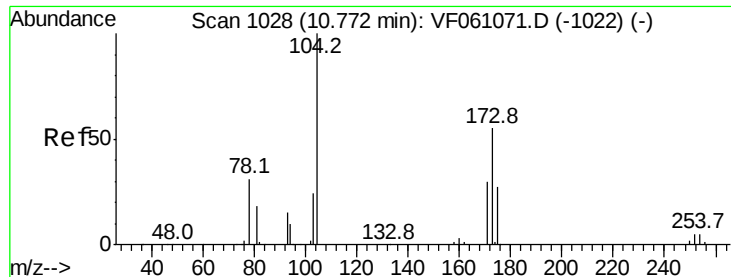
Tot Ion:106 Resp: 249748
Ion Ratio Lower Upper
106 100
91 214.4 115.9 347.7



#70
Styrene
Concen: 58.407 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion:104 Resp: 345024
Ion Ratio Lower Upper
104 100
78 47.2 38.4 57.6
103 46.2 37.0 55.6





#71

Bromoform

Concen: 49.932 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampled :

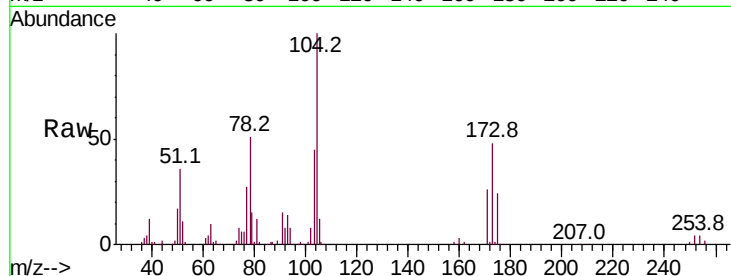
Tot Ion:173 Resp: 65279

Ion Ratio Lower Upper

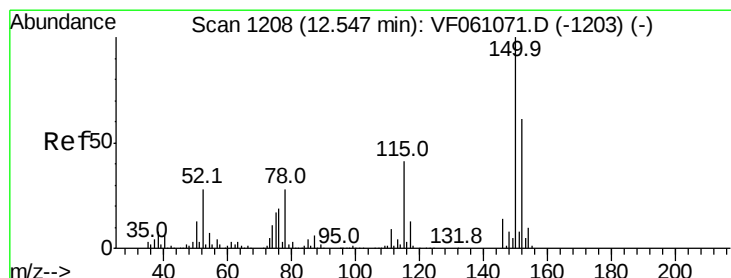
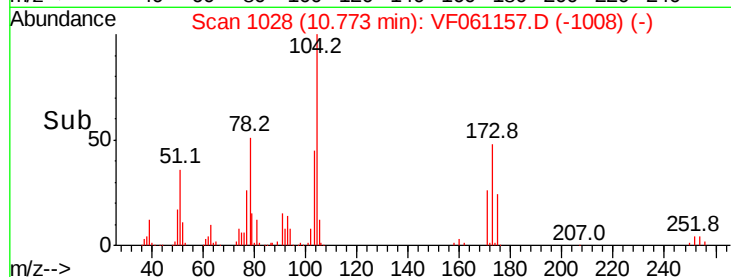
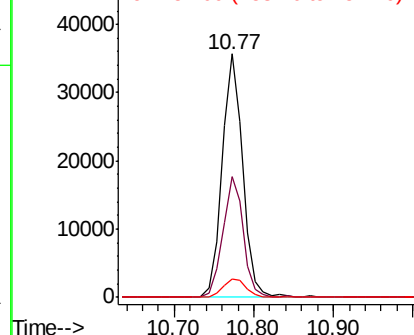
173 100

175 49.4 24.8 74.4

254 7.7 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: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

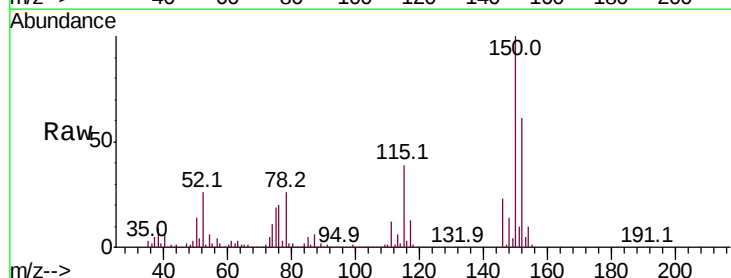
Tgt Ion:152 Resp: 154207

Ion Ratio Lower Upper

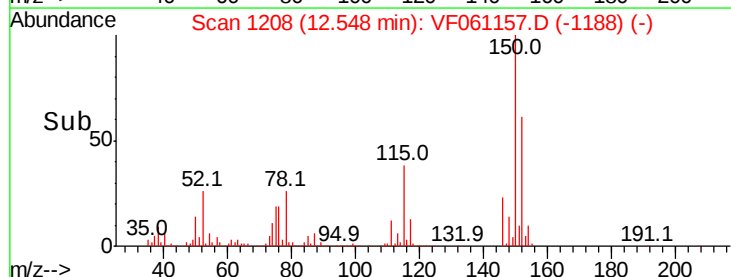
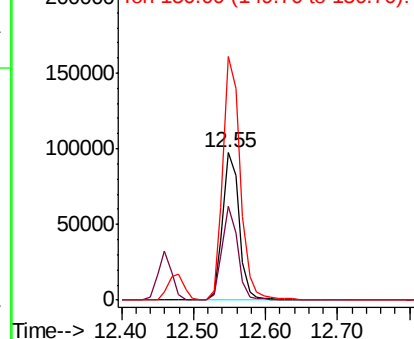
152 100

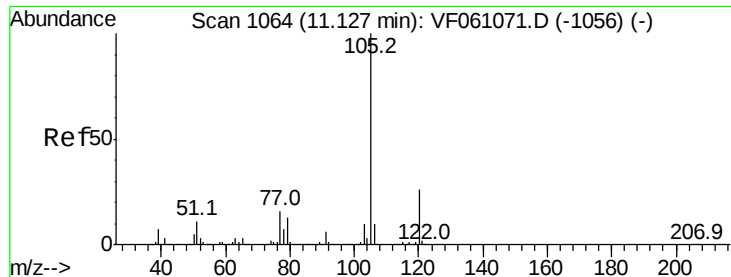
115 63.6 33.3 99.9

150 165.0 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: 55.402 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

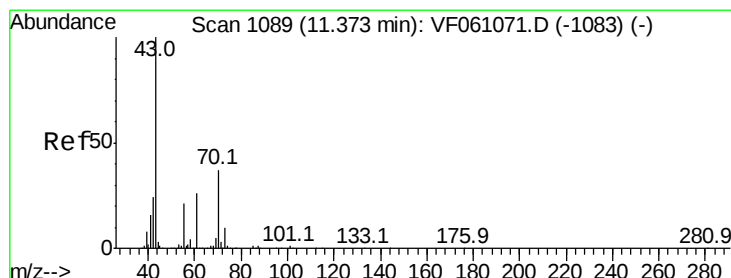
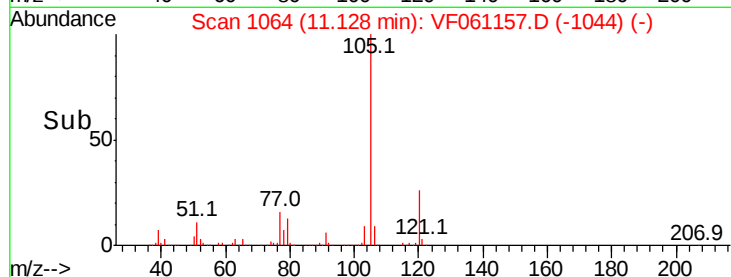
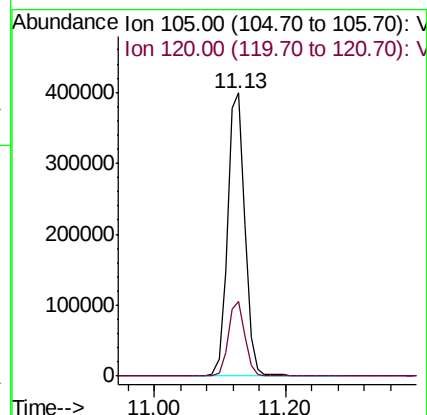
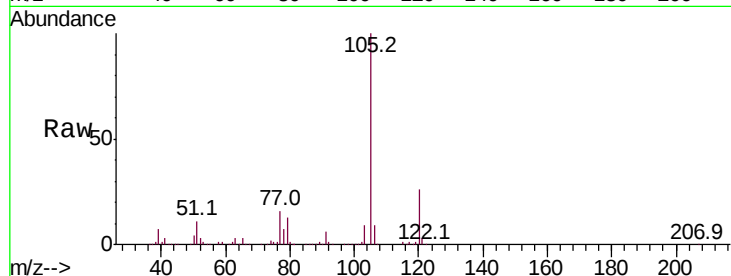
ClientSampleId :

Tot Ion:105 Resp: 736230

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 55.426 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion: 43 Resp: 163526

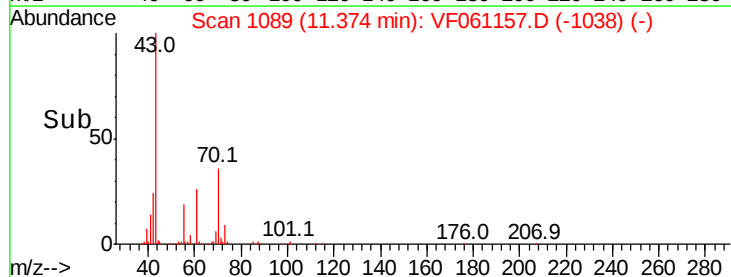
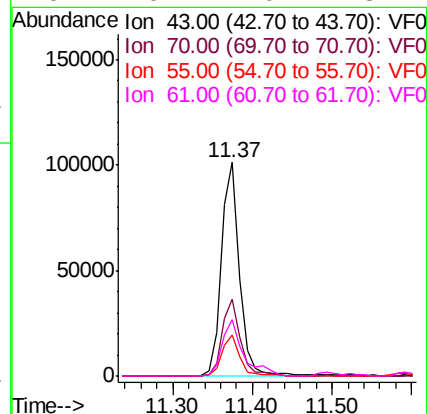
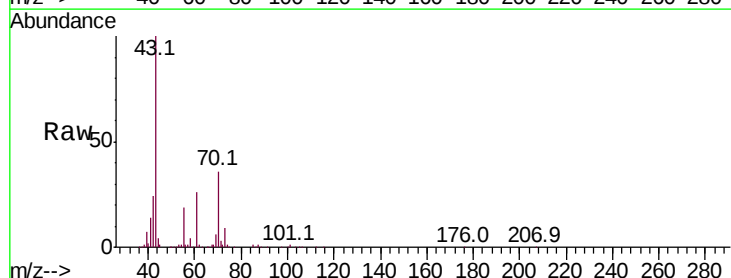
Ion Ratio Lower Upper

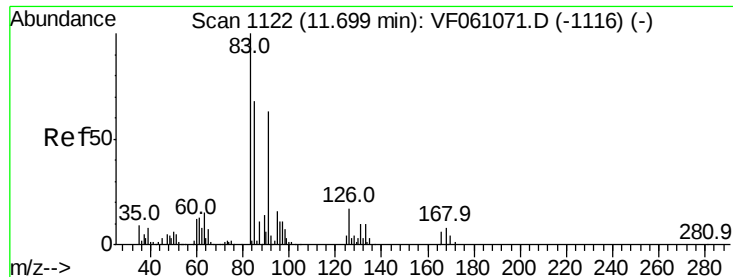
43 100

70 36.0 29.2 43.8

55 19.3 16.5 24.7

61 26.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.756 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

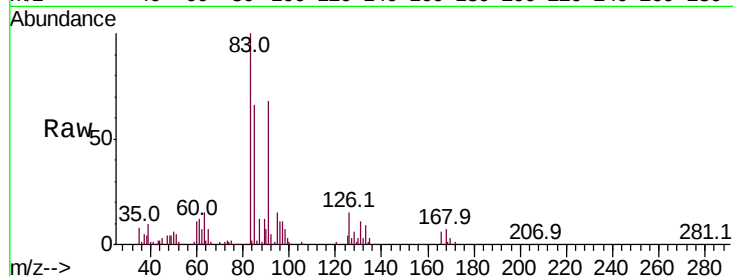
Tot Ion: 83 Resp: 114148

Ion Ratio Lower Upper

83 100

131 10.7 4.8 14.3

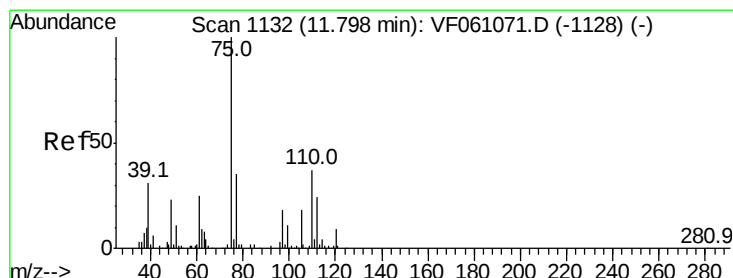
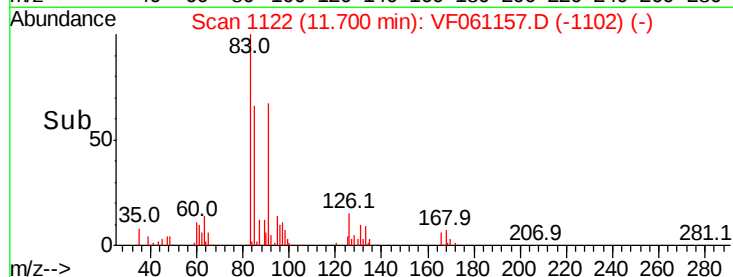
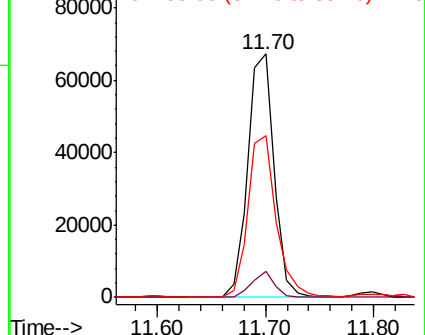
85 66.4 33.9 101.6



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: 49.958 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061157.D

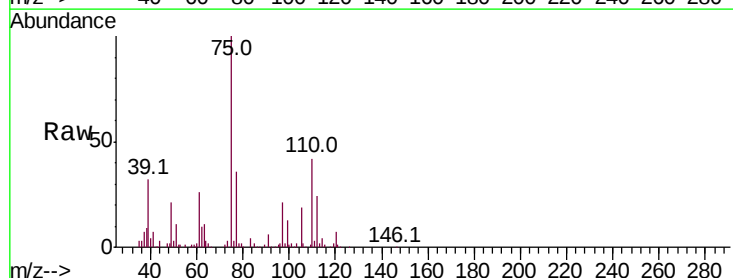
Acq: 24 Dec 2018 11:06

Tgt Ion: 75 Resp: 81997

Ion Ratio Lower Upper

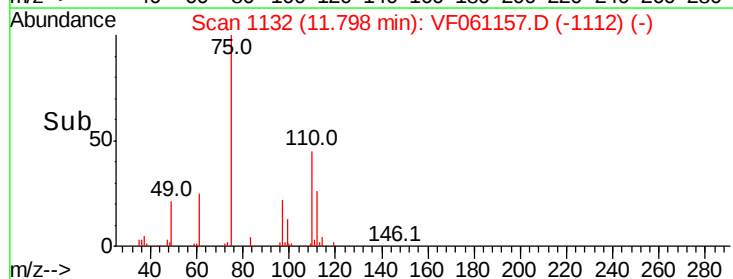
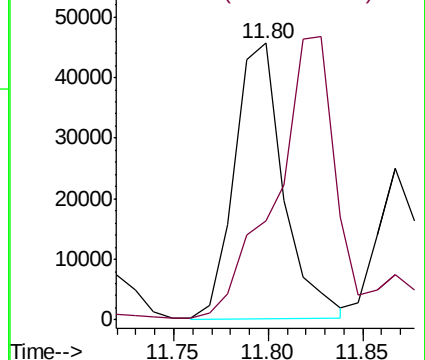
75 100

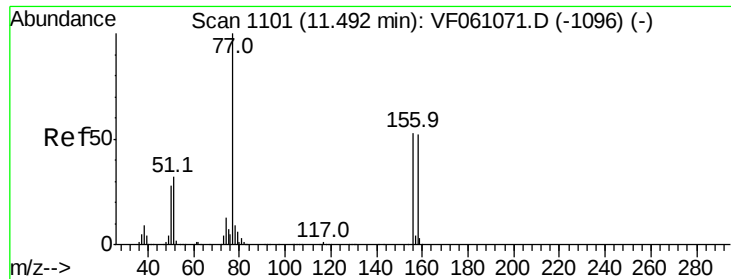
77 35.7 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.585 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

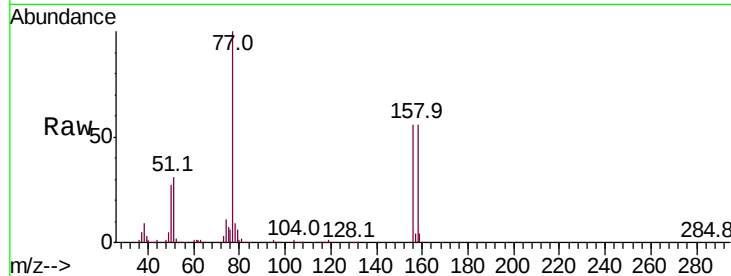
Tot Ion:156 Resp: 147565

Ion Ratio Lower Upper

156 100

77 179.0 93.8 281.4

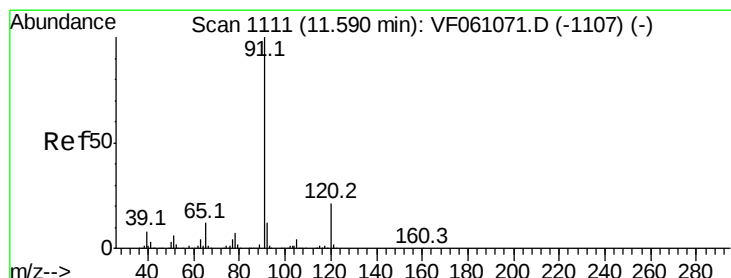
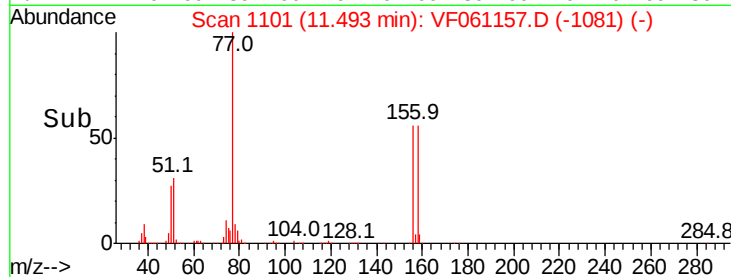
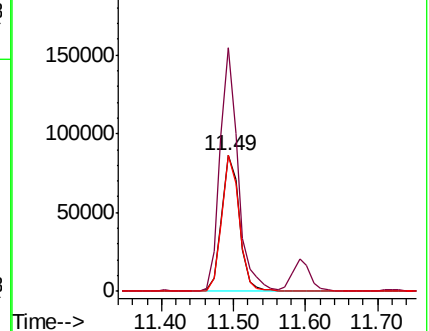
158 100.2 48.9 146.8



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: 55.598 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061157.D

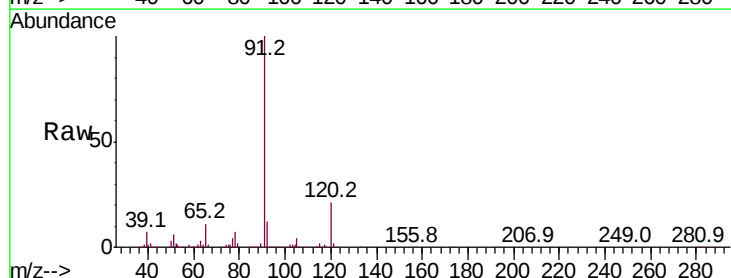
Acq: 24 Dec 2018 11:06

Tgt Ion: 91 Resp: 830875

Ion Ratio Lower Upper

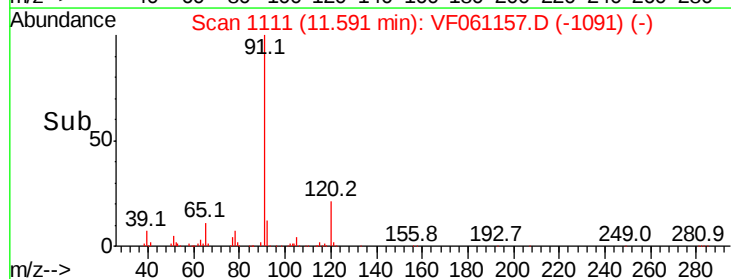
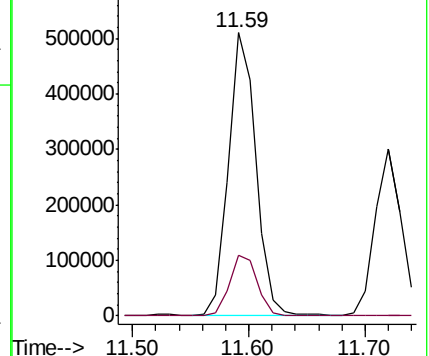
91 100

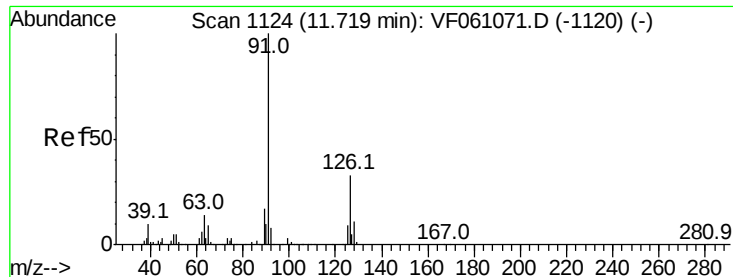
120 21.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.197 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

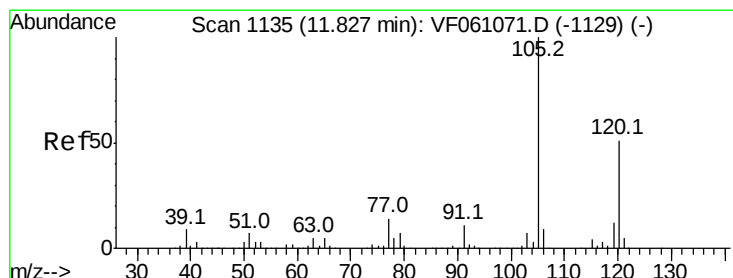
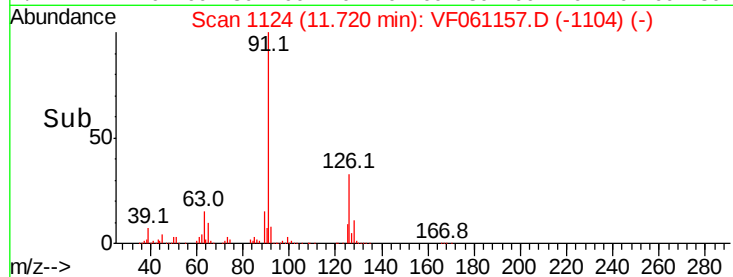
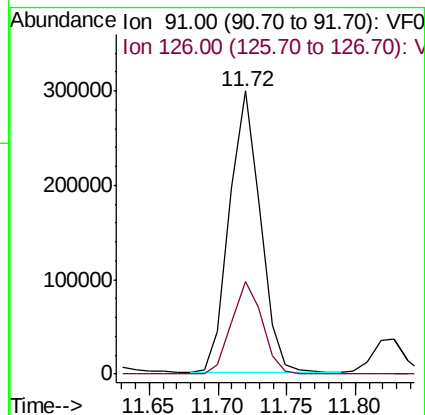
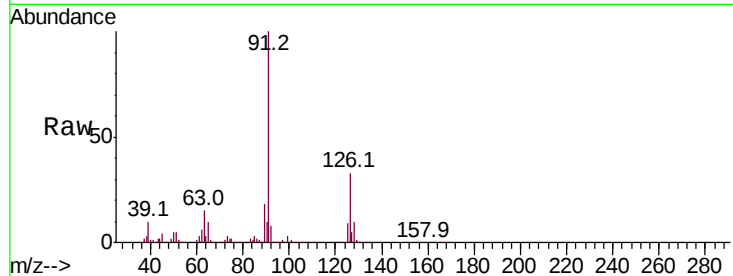
ClientSampleId :

Tot Ion: 91 Resp: 466720

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 49.908 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061157.D

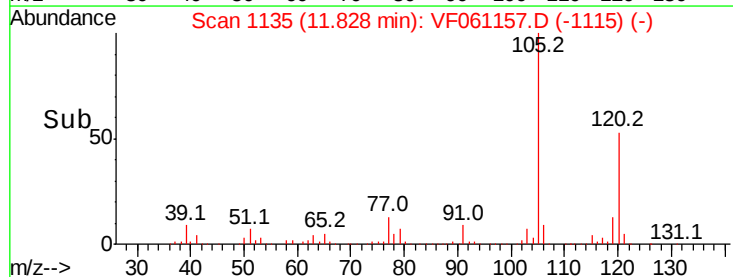
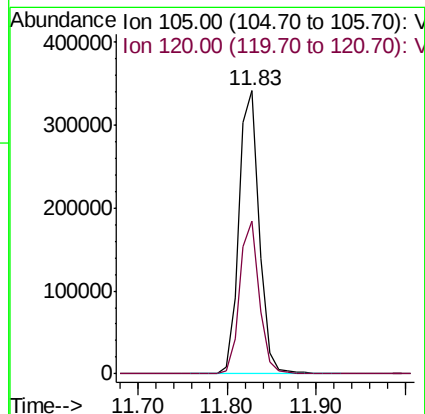
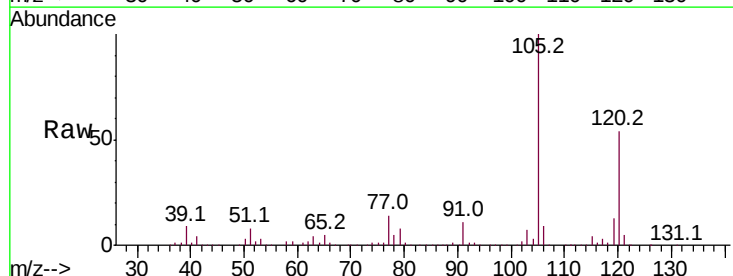
Acq: 24 Dec 2018 11:06

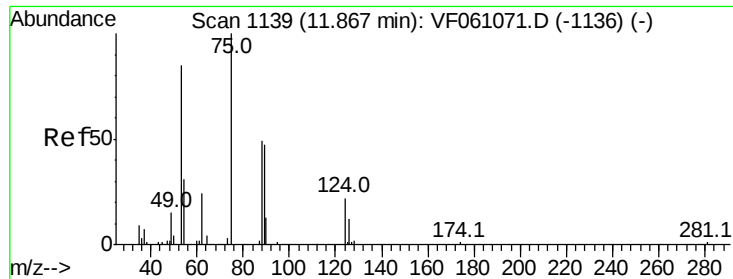
Tgt Ion:105 Resp: 546115

Ion Ratio Lower Upper

105 100

120 53.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 74.505 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

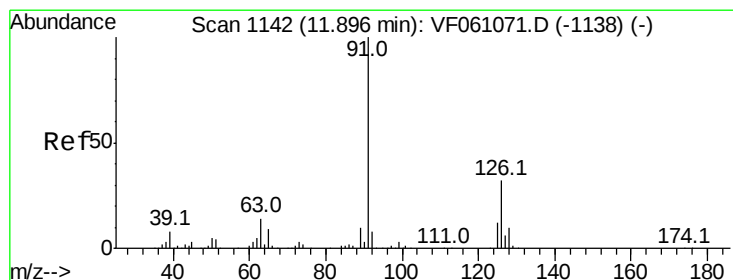
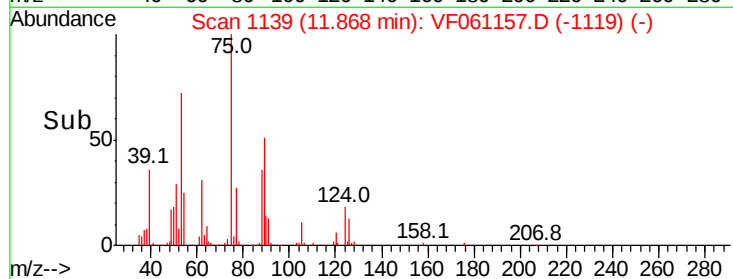
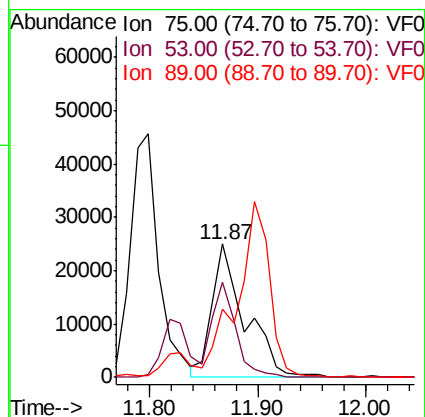
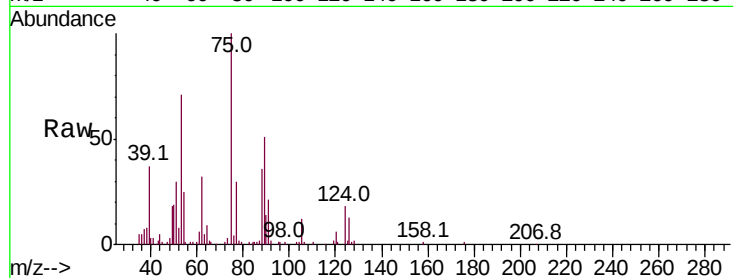
Tot Ion: 75 Resp: 52548

Ion Ratio Lower Upper

75 100

53 71.3 74.1 111.1#

89 50.8 42.6 64.0



#82

4-Chlorotoluene

Concen: 49.710 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061157.D

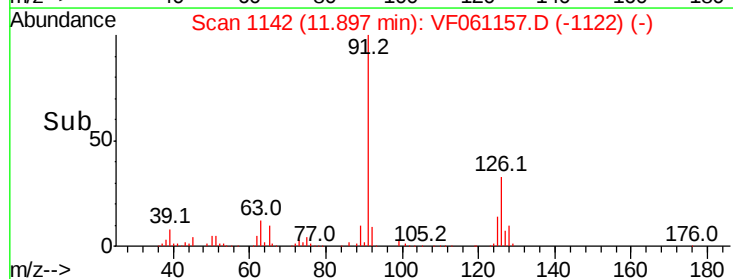
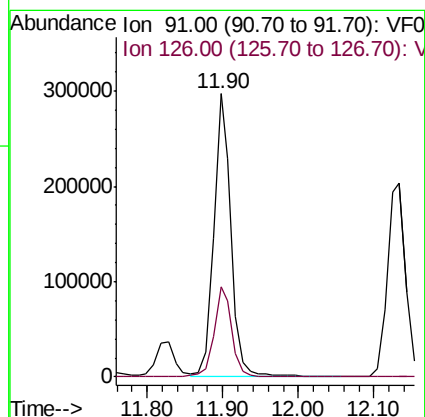
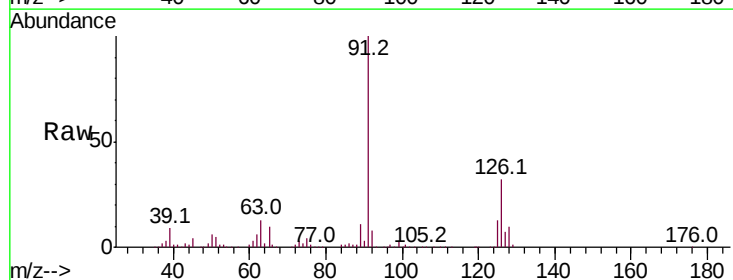
Acq: 24 Dec 2018 11:06

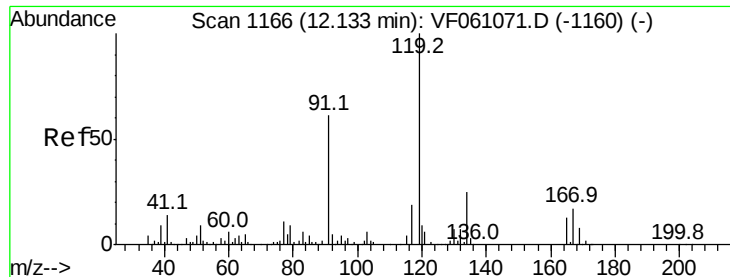
Tgt Ion: 91 Resp: 468783

Ion Ratio Lower Upper

91 100

126 31.8 16.0 47.9

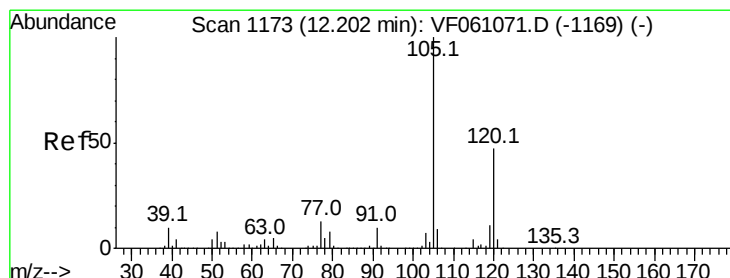
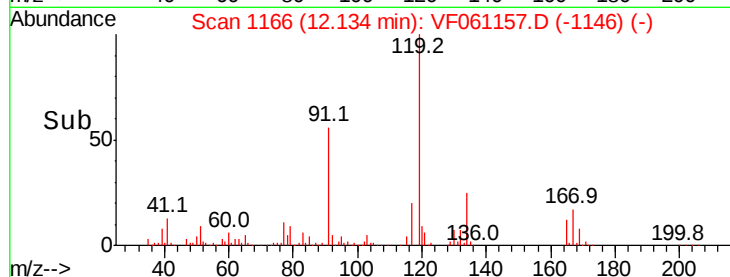
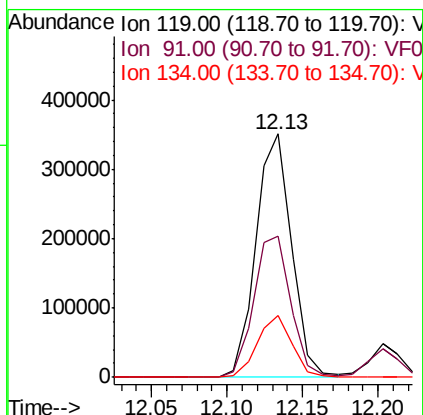
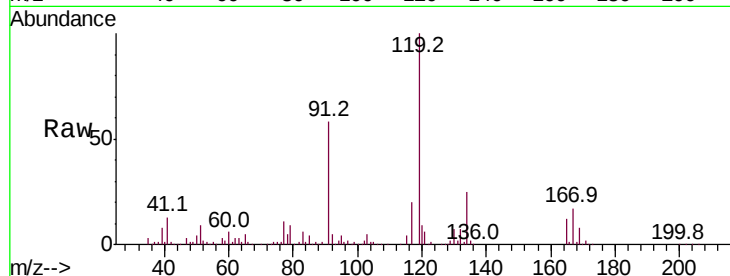




#83
tert-Butylbenzene
Concen: 51.265 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

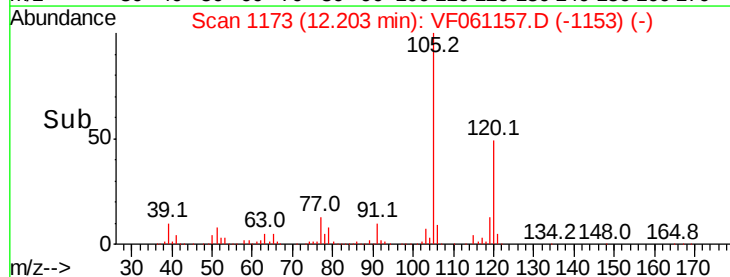
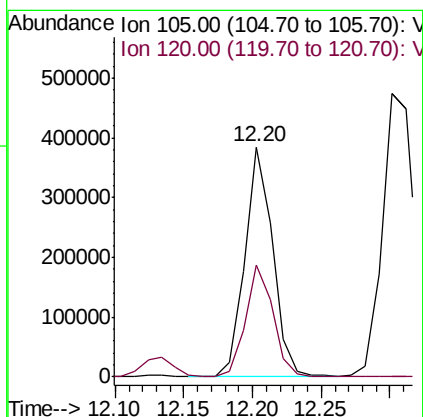
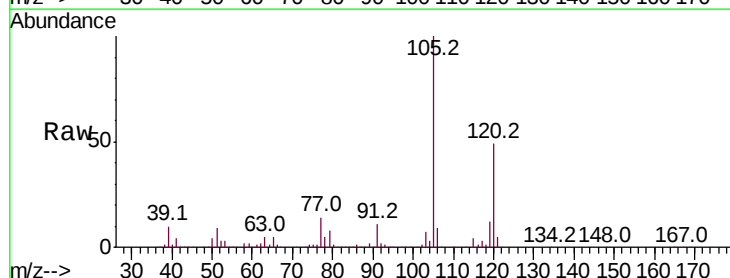
Instrument :
MSVOA_F
ClientSampled :

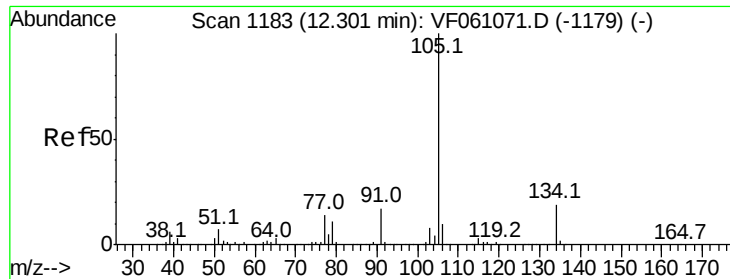
Tot Ion:119 Resp: 577244
Ion Ratio Lower Upper
119 100
91 58.1 30.5 91.5
134 25.2 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 50.250 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion:105 Resp: 548319
Ion Ratio Lower Upper
105 100
120 48.6 23.6 71.0

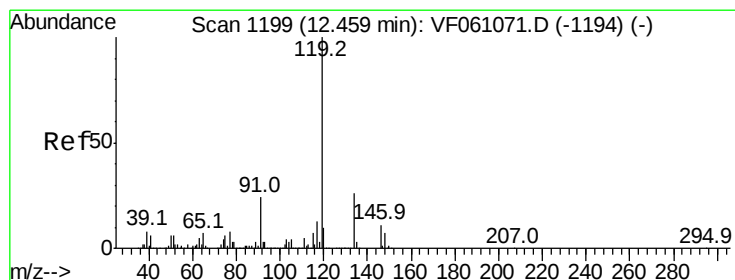
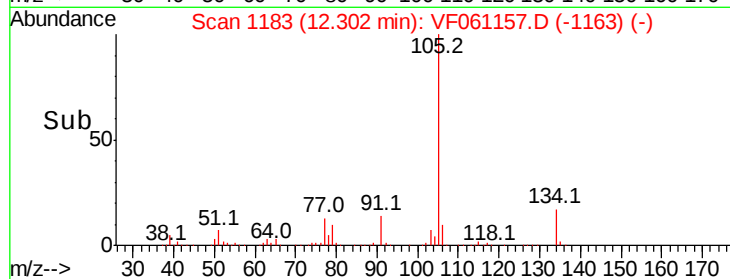
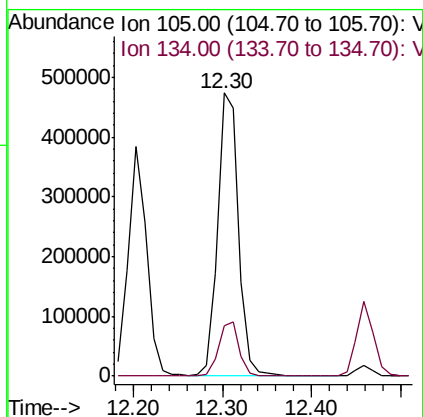
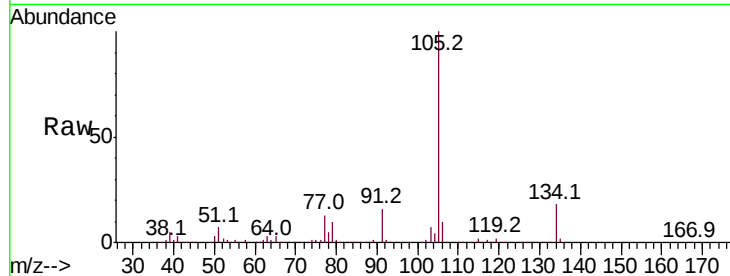




#85
 sec-Butylbenzene
 Concen: 52.723 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

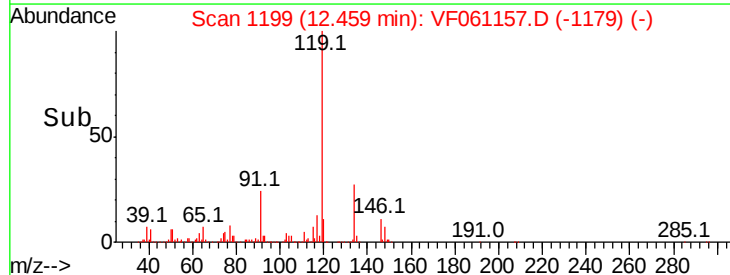
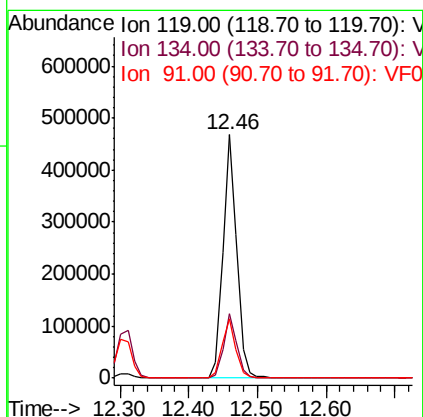
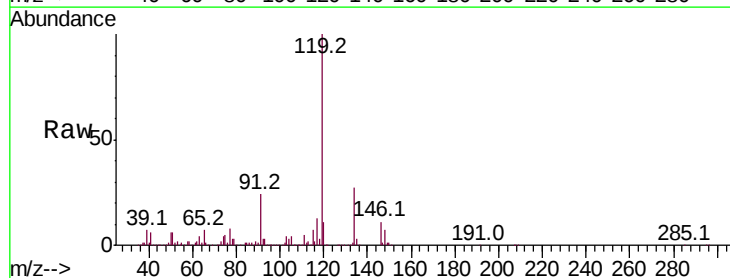
Instrument :
 MSVOA_F
 ClientSampleId :

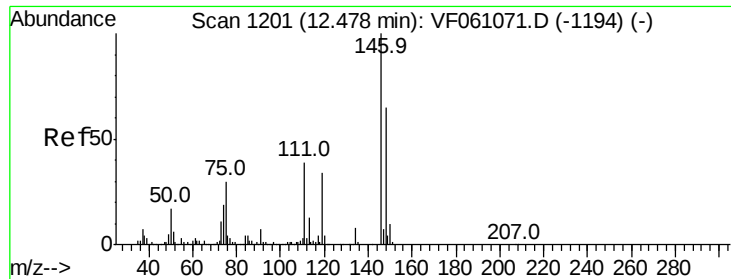
Tot Ion:105 Resp: 774727
 Ion Ratio Lower Upper
 105 100
 134 17.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 53.178 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion:119 Resp: 648609
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.8 38.4
 91 24.2 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 61.142 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampled :

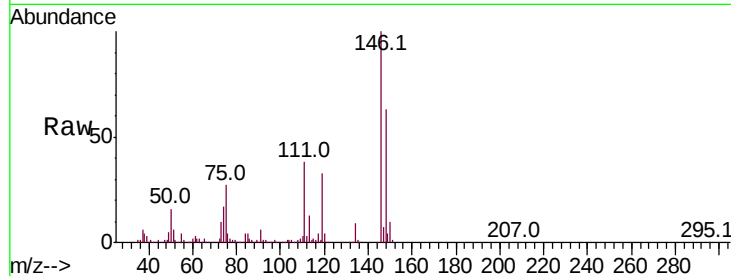
Tot Ion:146 Resp: 279842

Ion Ratio Lower Upper

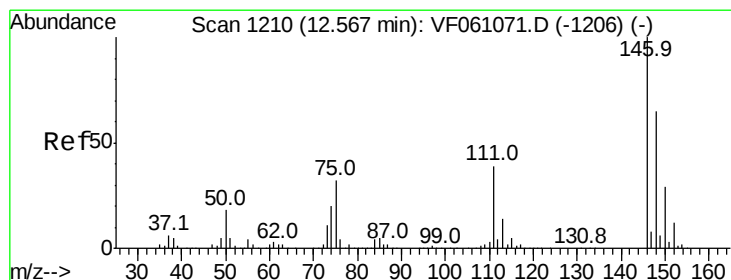
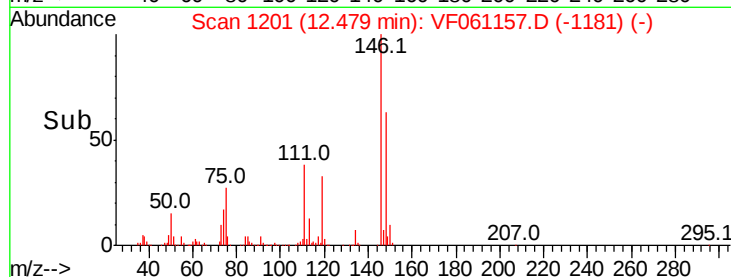
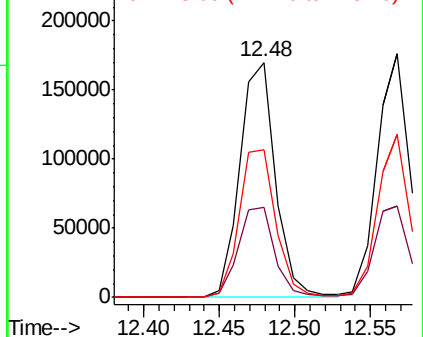
146 100

111 38.4 19.3 57.9

148 63.1 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 52.090 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

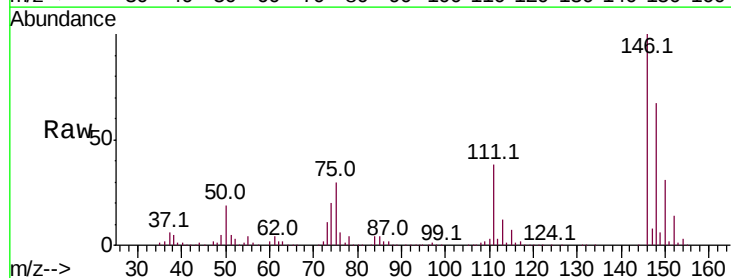
Tgt Ion:146 Resp: 273618

Ion Ratio Lower Upper

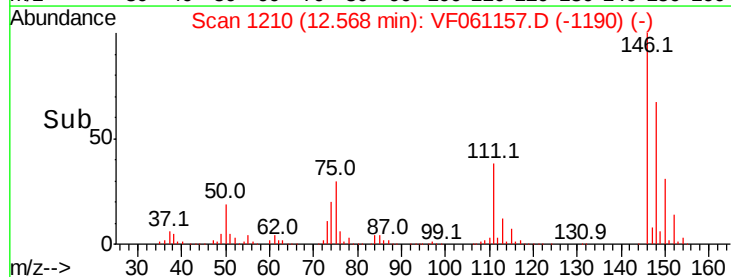
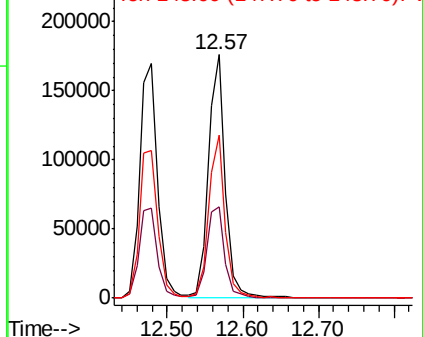
146 100

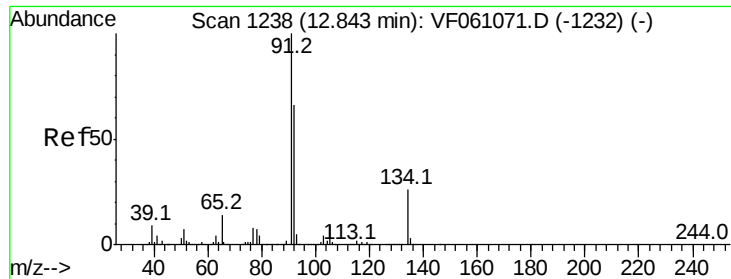
111 37.7 19.4 58.4

148 66.9 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

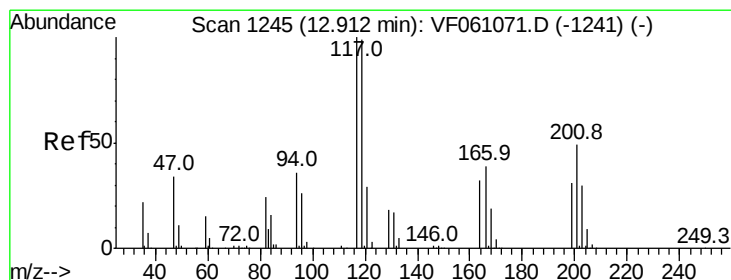
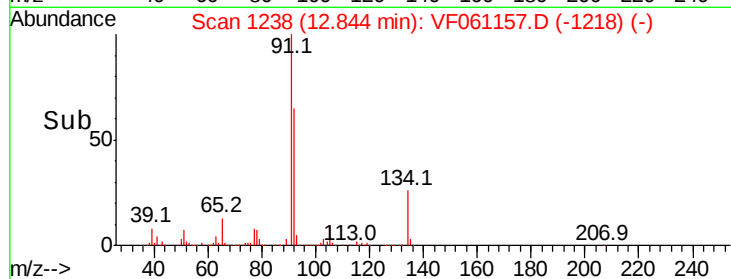
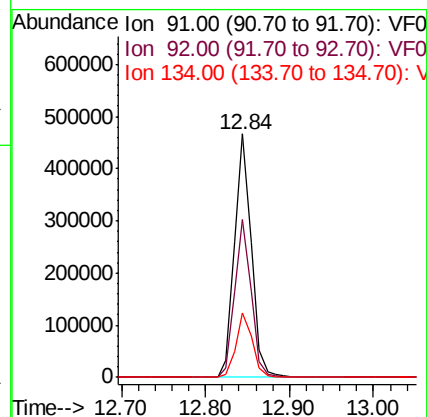
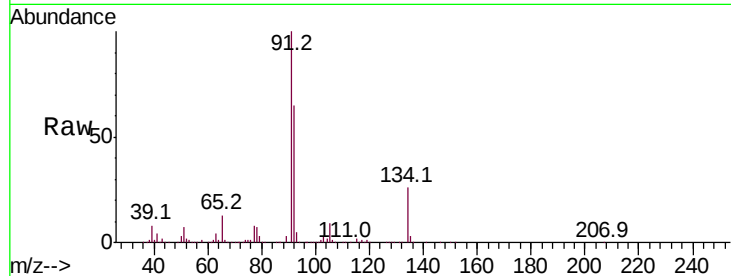




#89
n-Butylbenzene
Concen: 53.312 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

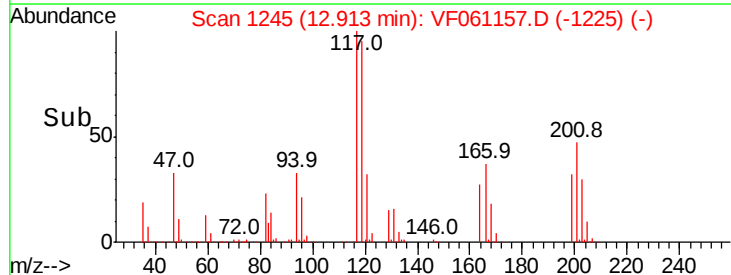
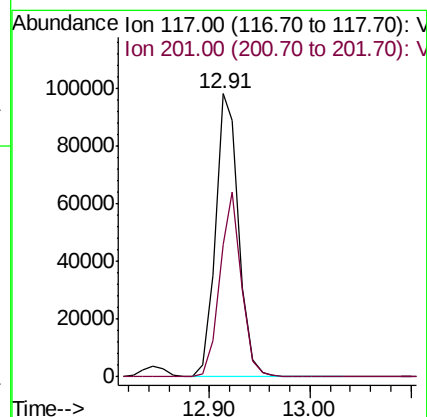
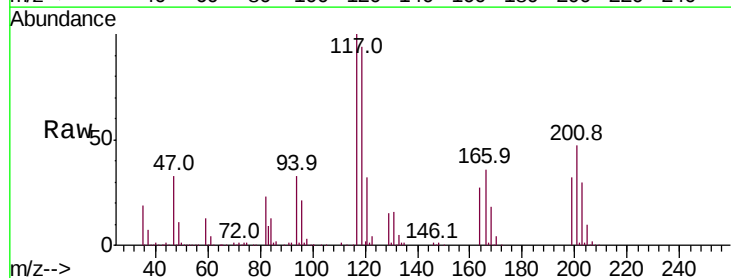
Instrument :
MSVOA_F
ClientSampled :

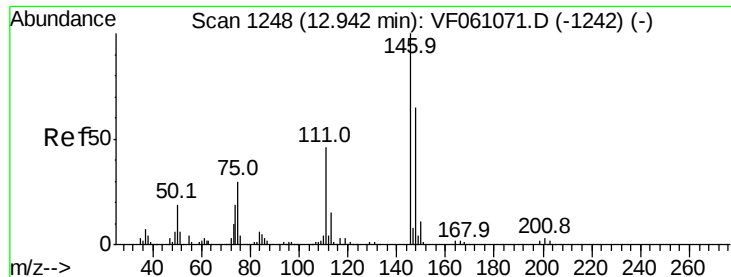
Tot Ion: 91 Resp: 646541
Ion Ratio Lower Upper
91 100
92 65.0 32.8 98.4
134 26.5 13.2 39.5



#90
Hexachloroethane
Concen: 52.376 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 117 Resp: 157832
Ion Ratio Lower Upper
117 100
201 46.9 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 50.567 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampled :

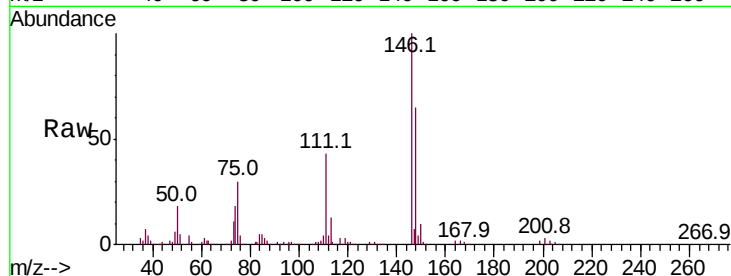
Tot Ion:146 Resp: 258604

Ion Ratio Lower Upper

146 100

111 42.8 23.2 69.5

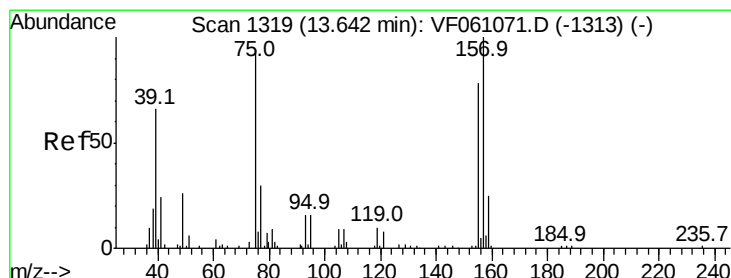
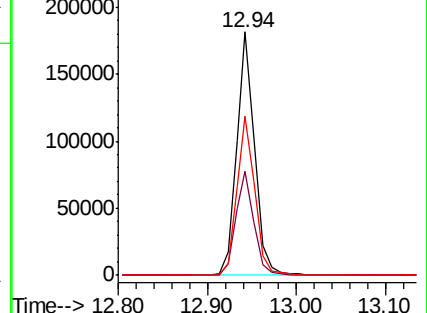
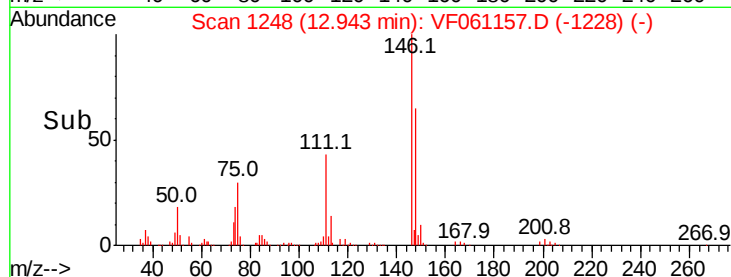
148 65.4 32.4 97.0



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: 53.202 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

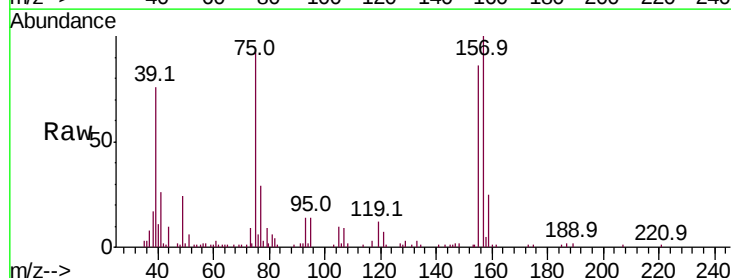
Tgt Ion: 75 Resp: 21532

Ion Ratio Lower Upper

75 100

155 93.6 41.5 124.5

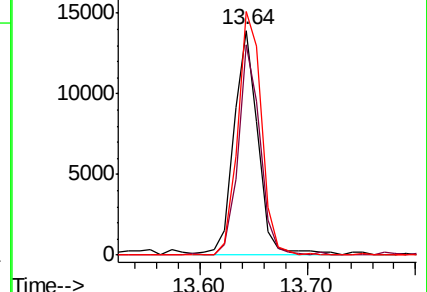
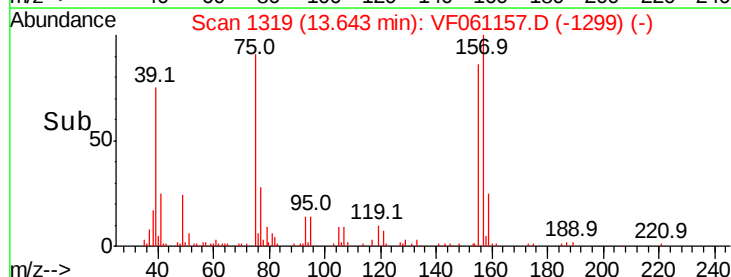
157 108.4 53.2 159.6

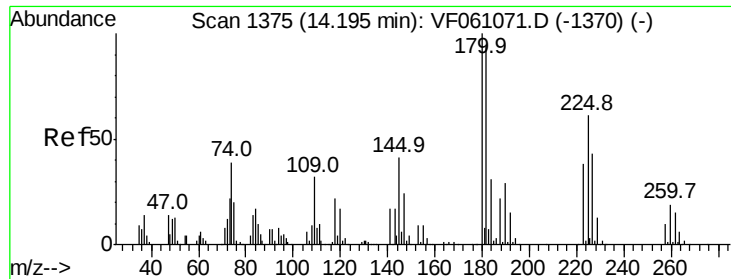


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

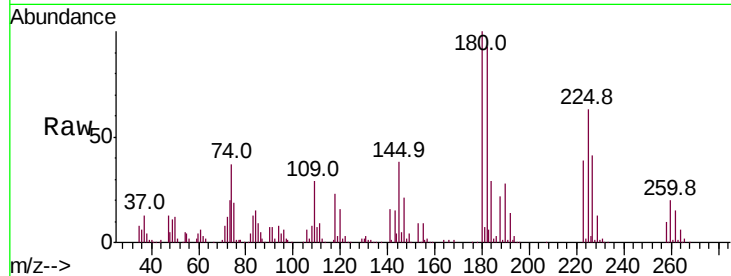




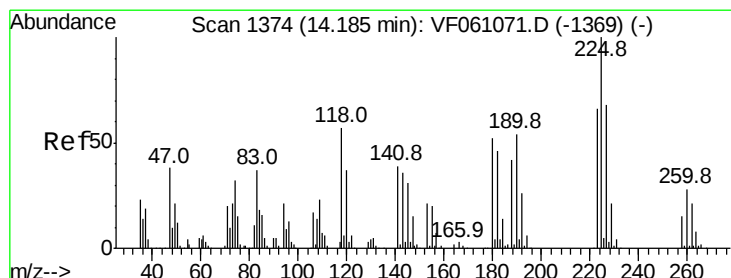
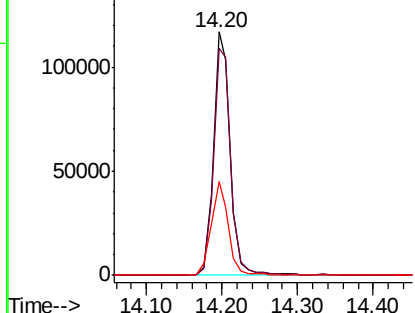
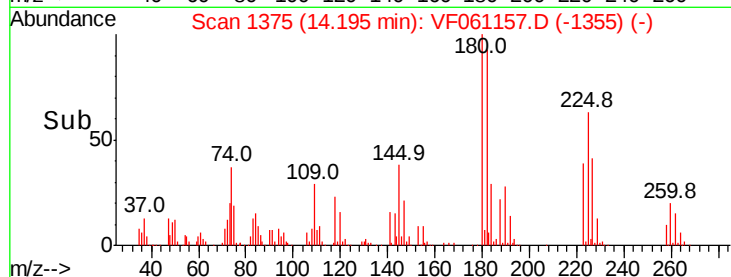
#93
 1,2,4-Trichlorobenzene
 Concen: 50.468 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 183042
 Ion Ratio Lower Upper
 180 100
 182 93.4 46.9 140.6
 145 38.3 20.5 61.6

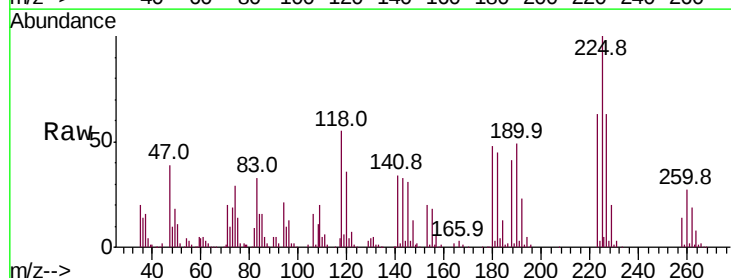


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

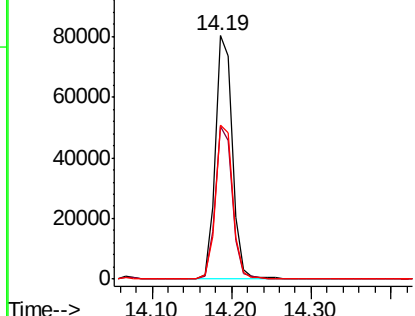
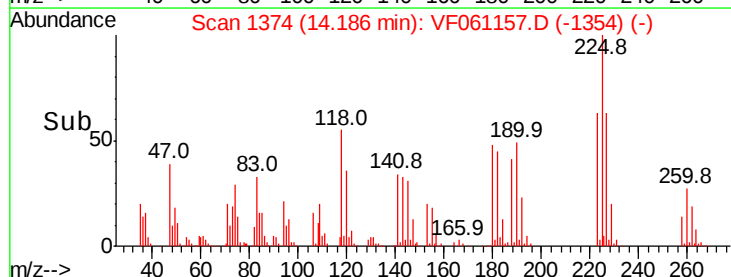


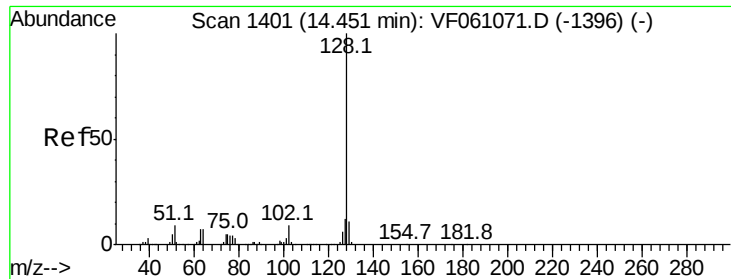
#94
 Hexachlorobutadiene
 Concen: 52.915 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion:225 Resp: 122233
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.8 98.3
 227 63.1 34.0 101.8



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





#95

Naphthalene

Concen: 50.663 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

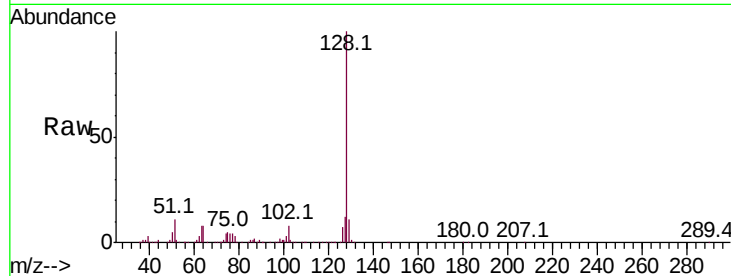
Tot Ion:128 Resp: 335529

Ion Ratio Lower Upper

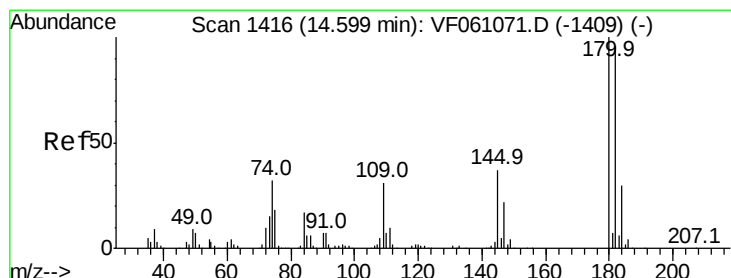
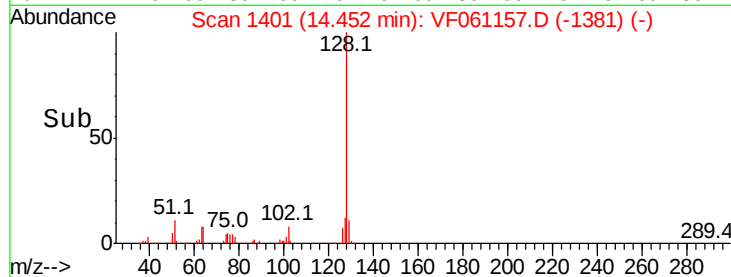
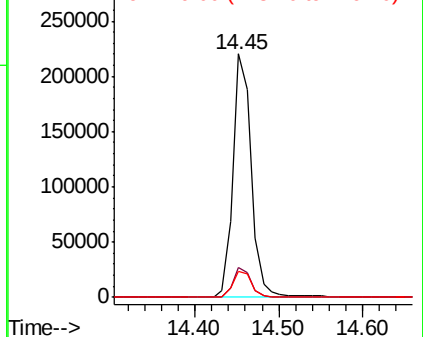
128 100

127 12.2 9.4 14.2

129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.403 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

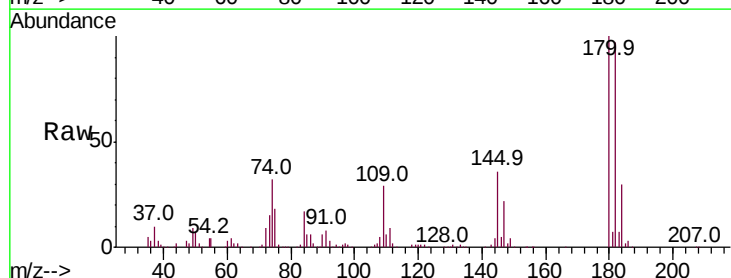
Tgt Ion:180 Resp: 172348

Ion Ratio Lower Upper

180 100

182 97.3 47.9 143.8

145 35.8 18.6 55.8



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

