

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061116.D
 Acq On : 20 Dec 2018 19:07
 Operator : VA/AP
 Sample : J6377-17MS
 Misc : 4.94g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 21 06:44:32 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	4.88	168	146072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	259332	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.78	117	195419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	70255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	92783	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	4.12	113	107274	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	7.56	98	283575	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.42	95	95616	35.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	163199	50.260	ug/l	100
3) Chloromethane	1.10	50	117166	62.993	ug/l	96
4) Vinyl Chloride	1.14	62	103065	59.733	ug/l	90
5) Bromomethane	1.34	94	68672	57.381	ug/l	91
6) Chloroethane	1.39	64	49741	62.564	ug/l	95
7) Trichlorofluoromethane	1.50	101	171002	51.905	ug/l	100
8) Diethyl Ether	1.64	74	28973	64.222	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	85026	49.776	ug/l	92
10) Methyl Iodide	1.91	142	120349	44.696	ug/l	96
11) Tert butyl alcohol	2.58	59	23161	305.495	ug/l	98
12) 1,1-Dichloroethene	1.79	96	76704	59.570	ug/l	88
13) Acrolein	2.14	56	257	4.691	ug/l	97
14) Allyl chloride	2.10	41	76907	57.394	ug/l	87
15) Acrylonitrile	2.95	53	52805	301.204	ug/l	94
16) Acetone	2.25	43	75497	201.014	ug/l	97
17) Carbon Disulfide	1.84	76	164016	42.150	ug/l	99
18) Methyl Acetate	2.44	43	49324	63.477	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	161218	56.408	ug/l	98
20) Methylene Chloride	2.26	84	51938	42.611	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	60755	44.115	ug/l	93
22) Diisopropyl ether	2.81	45	272975	61.157	ug/l	95
23) Vinyl Acetate	3.19	43	146412	71.104	ug/l #	95
24) 1,1-Dichloroethane	2.88	63	153961	58.217	ug/l	99
25) 2-Butanone	4.35	43	156730	257.306	ug/l	100
26) 2,2-Dichloropropane	3.61	77	83625	55.100	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	122807	58.248	ug/l	93
28) Bromochloromethane	3.73	49	76155	56.753	ug/l	91
29) Tetrahydrofuran	4.09	42	73056	294.678	ug/l	97
30) Chloroform	3.88	83	207640	52.363	ug/l	96
31) Cyclohexane	3.71	56	73204	26.676	ug/l	93
32) 1,1,1-Trichloroethane	4.10	97	131693	55.408	ug/l	98
36) 1,1-Dichloropropene	4.29	75	146901	46.929	ug/l	99
37) Ethyl Acetate	4.13	43	57597	46.778	ug/l	92
38) Carbon Tetrachloride	4.00	117	109669	46.005	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	117217	41.739	ug/l	98
40) Benzene	4.64	78	364183	54.099	ug/l	95
41) Methacrylonitrile	4.76	41	34452	52.114	ug/l	97
42) 1,2-Dichloroethane	4.95	62	118217	46.228	ug/l	99
43) Isopropyl Acetate	6.97	43	58842	38.930	ug/l #	98
44) Trichloroethene	5.51	130	101870	47.999	ug/l	97
45) 1,2-Dichloropropane	6.25	63	99142	54.132	ug/l	98
46) Dibromomethane	6.09	93	57275	48.216	ug/l	97
47) Bromodichloromethane	6.40	83	139172	45.092	ug/l	100
48) Methyl methacrylate	6.73	41	61634	58.411	ug/l	99
49) 1,4-Dioxane	6.73	88	8866	1158.002	ug/l #	81
51) 4-Methyl-2-Pentanone	8.27	43	267637	258.187	ug/l	100
52) Toluene	7.63	92	211973	47.569	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	100309	40.287	ug/l	98
54) cis-1,3-Dichloropropene	7.32	75	139807	44.739	ug/l	93
55) 1,1,2-Trichloroethane	8.50	97	65864	49.304	ug/l	94
56) Ethyl methacrylate	8.63	69	57339	39.667	ug/l	96
57) 1,3-Dichloropropane	8.87	76	116296	48.134	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.31	63	53196	191.614	ug/l	91
59) 2-Hexanone	9.51	43	176046	234.839	ug/l	98
60) Dibromochloromethane	8.73	129	79834	41.691	ug/l	95
61) 1,2-Dibromoethane	8.99	107	64492	45.204	ug/l	94
64) Tetrachloroethene	8.17	164	69367	46.144	ug/l	96
65) Chlorobenzene	9.81	112	204901	50.755	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	82386	49.937	ug/l	93
67) Ethyl Benzene	9.91	91	366540	49.837	ug/l	99
68) m/p-Xylenes	10.14	106	254188	98.205	ug/l	94
69) o-Xylene	10.72	106	139286	48.521	ug/l	95
70) Styrene	10.80	104	164355	46.659	ug/l	97
71) Bromoform	10.78	173	35375	46.347	ug/l #	99
73) Isopropylbenzene	11.14	105	367780	60.747	ug/l	97
74) N-amyl acetate	11.38	43	65272	48.560	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	71875	71.531	ug/l	93
76) 1,2,3-Trichloropropane	11.81	75	58434	78.144	ug/l	99
77) Bromobenzene	11.50	156	77039	59.112	ug/l	96
78) n-propylbenzene	11.60	91	402755	60.378	ug/l	99
79) 2-Chlorotoluene	11.73	91	230314	55.454	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	299061	59.990	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	29543	91.941	ug/l	84
82) 4-Chlorotoluene	11.90	91	232921	54.213	ug/l	100
83) tert-Butylbenzene	12.14	119	303538	59.170	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	270788	54.470	ug/l	98
85) sec-Butylbenzene	12.31	105	354506	52.954	ug/l	97
86) p-Isopropyltoluene	12.47	119	292199	52.584	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	118075	56.180	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	119423	49.902	ug/l	99
89) n-Butylbenzene	12.85	91	247162	42.546	ug/l	95
90) Hexachloroethane	12.92	117	67563	49.212	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	107772	46.256	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11390	61.773	ug/l	97

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QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

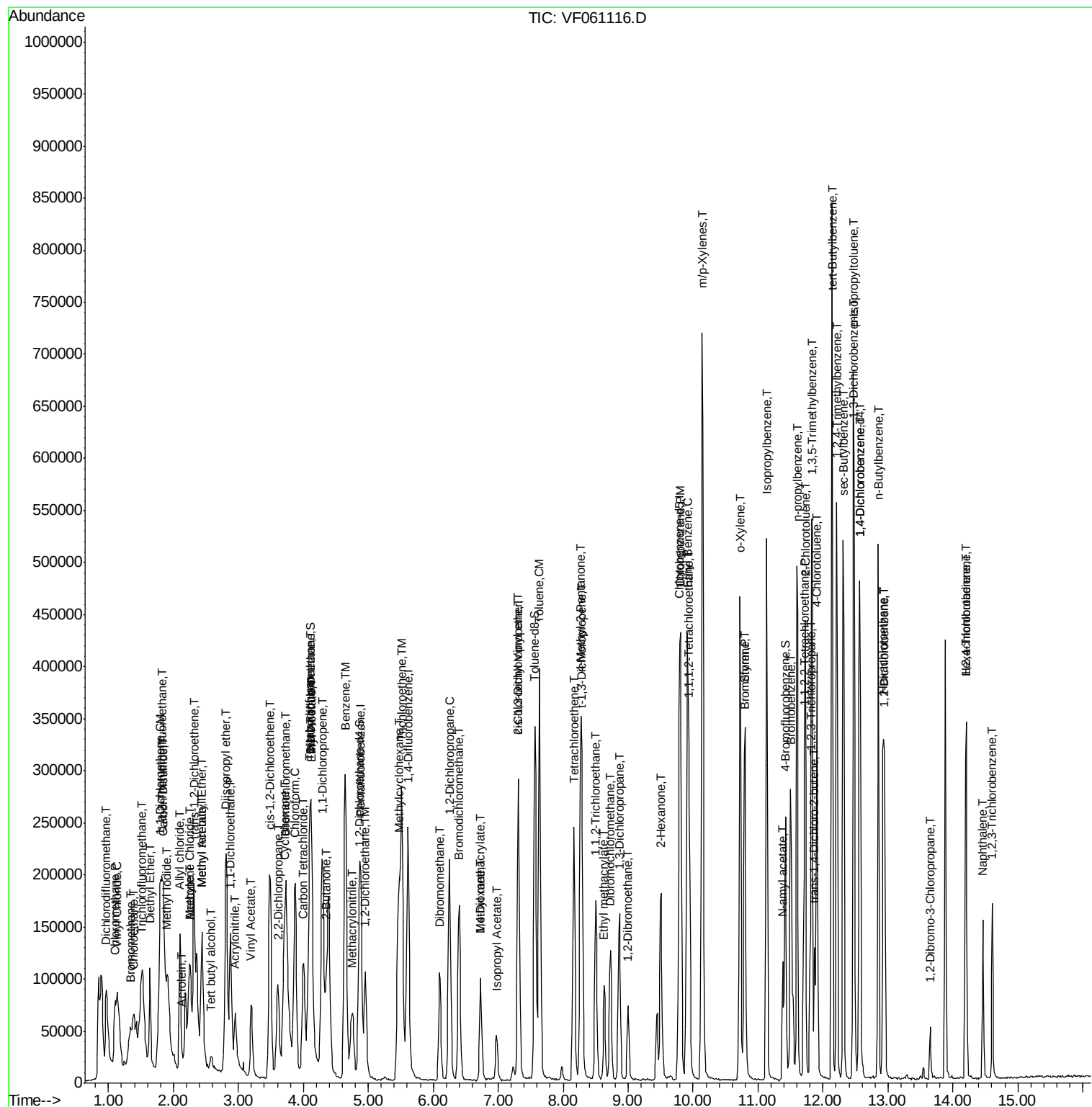
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	51869	31.391	ug/l	99
94) Hexachlorobutadiene	14.19	225	31285	29.727	ug/l	95
95) Naphthalene	14.46	128	106264	35.219	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	42288	27.684	ug/l	97

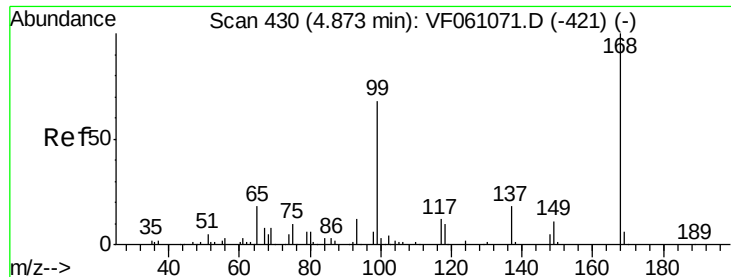
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

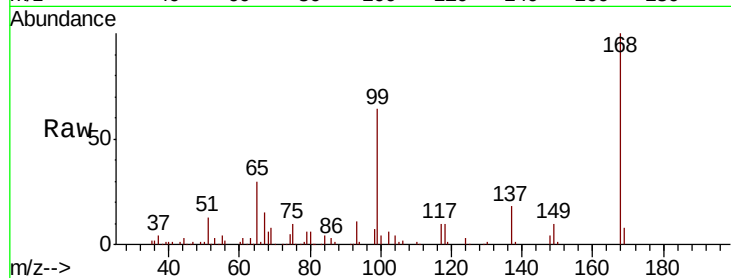
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 146072

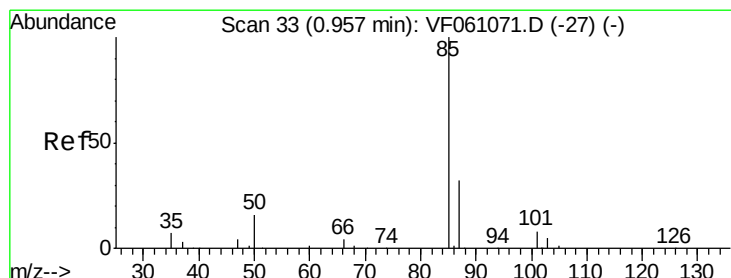
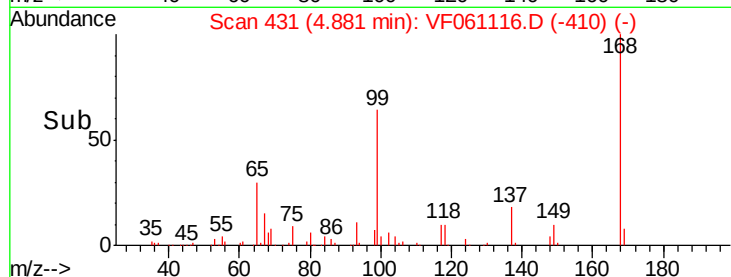
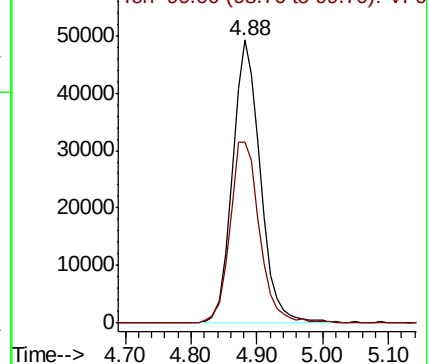
Ion Ratio Lower Upper

168 100

99 63.8 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 50.260 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061116.D

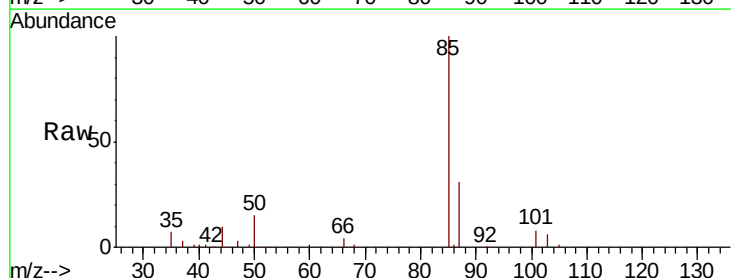
Acq: 20 Dec 2018 19:07

Tgt Ion: 85 Resp: 163199

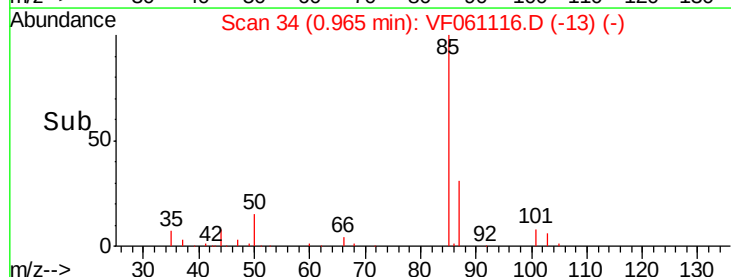
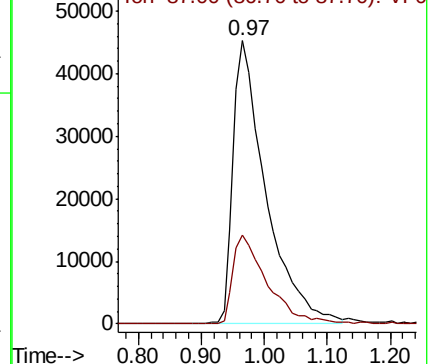
Ion Ratio Lower Upper

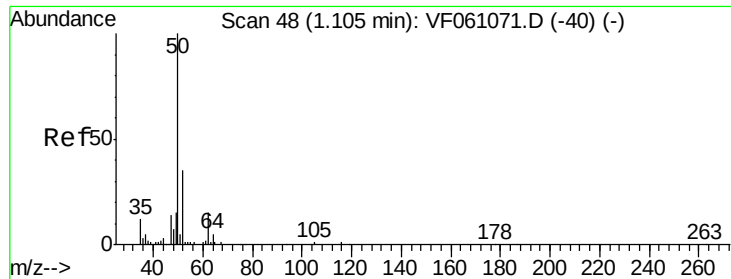
85 100

87 31.5 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 62.993 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

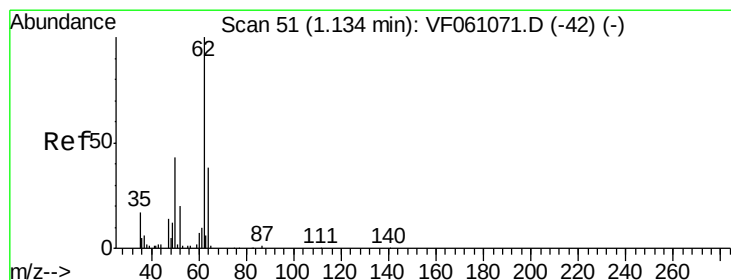
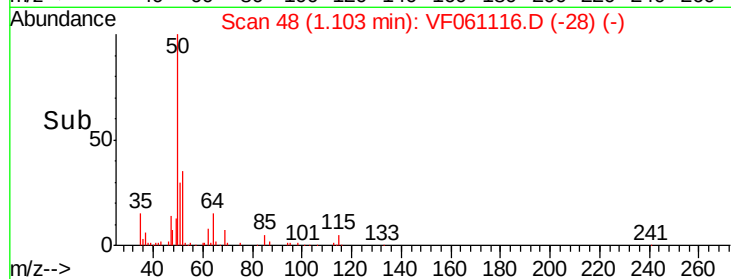
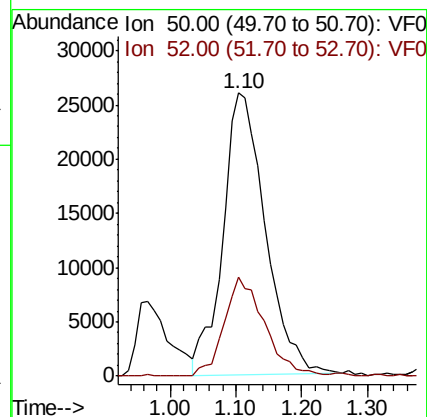
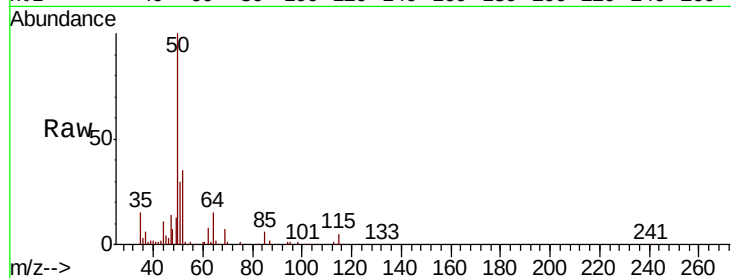
ClientSampled :

Tot Ion: 50 Resp: 117166

Ion Ratio Lower Upper

50 100

52 35.0 26.3 39.5



#4

Vinyl Chloride

Concen: 59.733 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061116.D

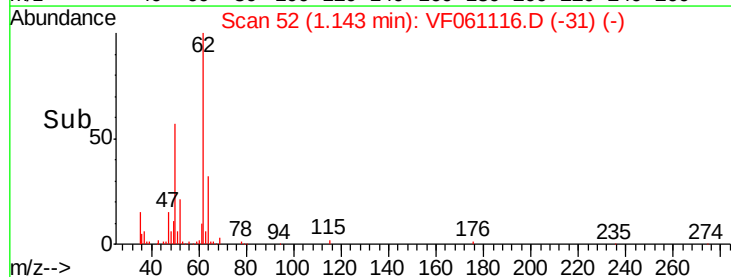
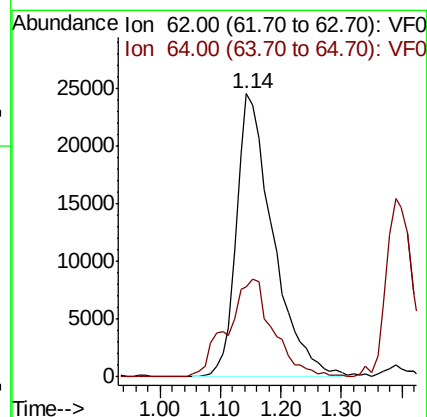
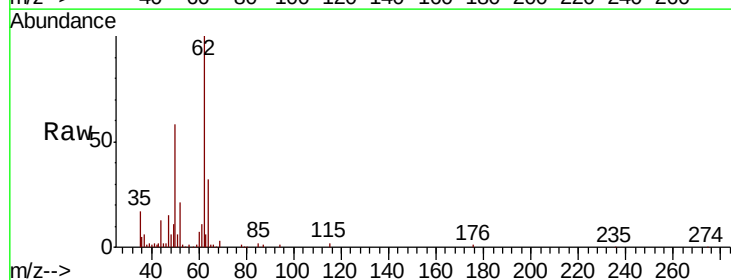
Acq: 20 Dec 2018 19:07

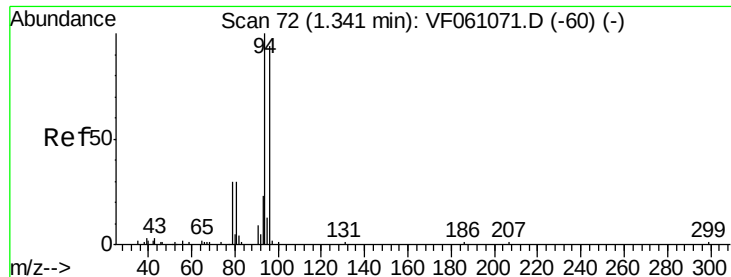
Tgt Ion: 62 Resp: 103065

Ion Ratio Lower Upper

62 100

64 31.9 30.4 45.6





#5

Bromomethane

Concen: 57.381 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

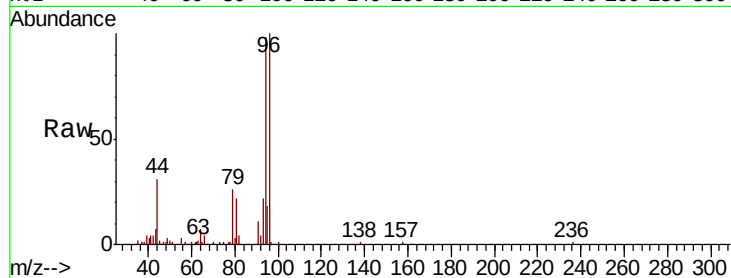
ClientSampled :

Tot Ion: 94 Resp: 68672

Ion Ratio Lower Upper

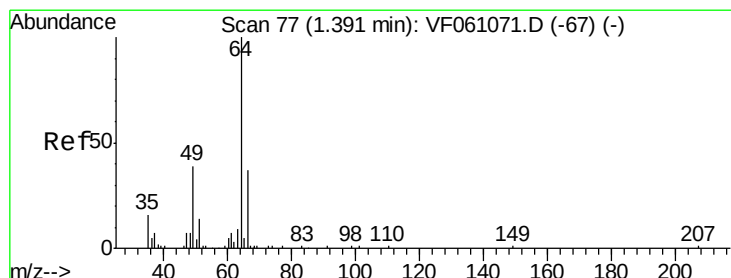
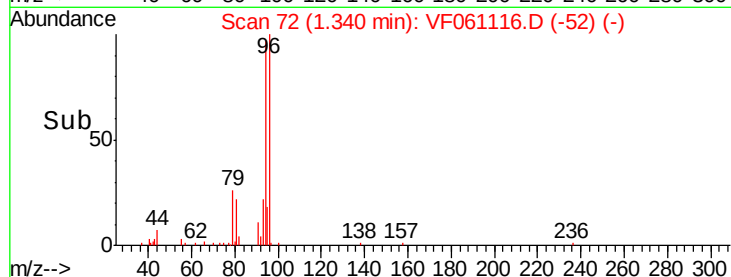
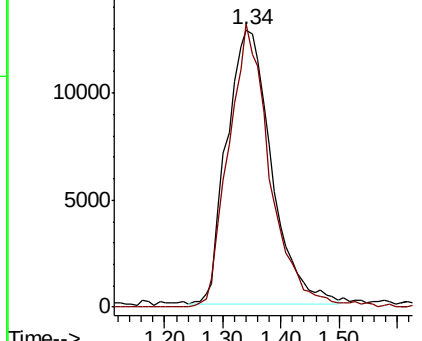
94 100

96 102.0 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 62.564 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061116.D

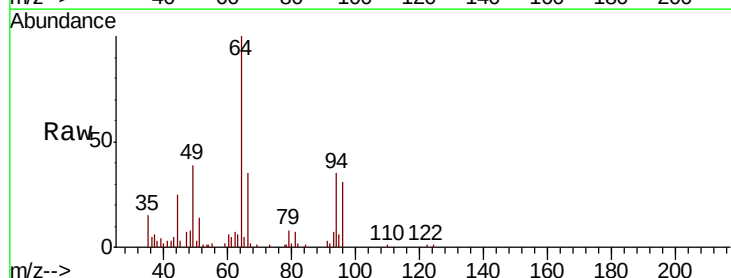
Acq: 20 Dec 2018 19:07

Tgt Ion: 64 Resp: 49741

Ion Ratio Lower Upper

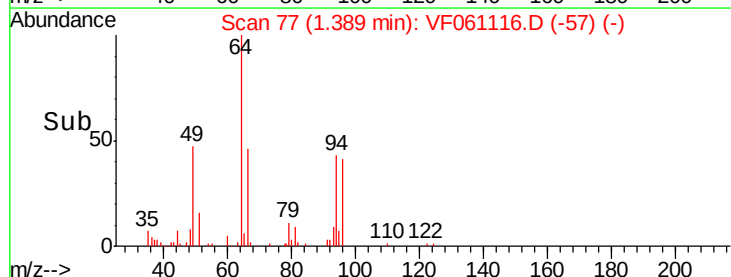
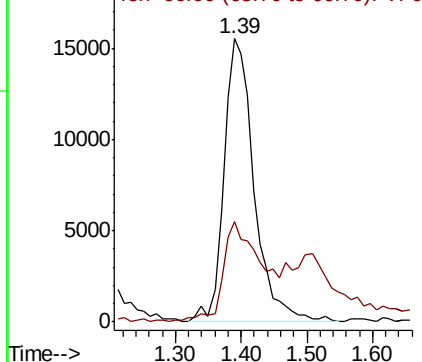
64 100

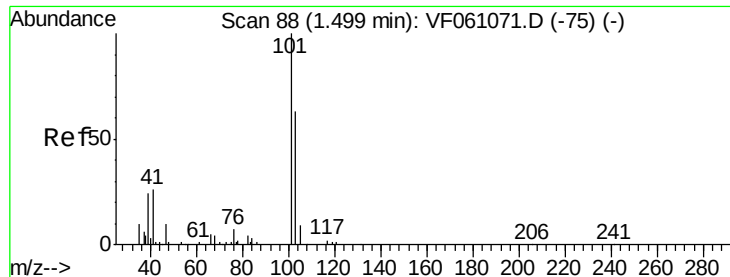
66 35.4 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



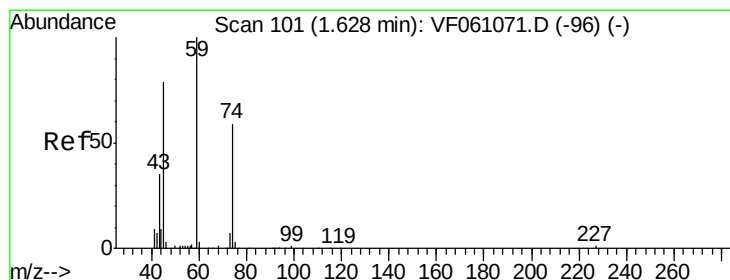
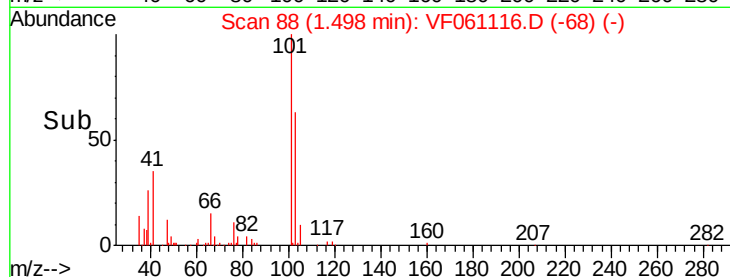
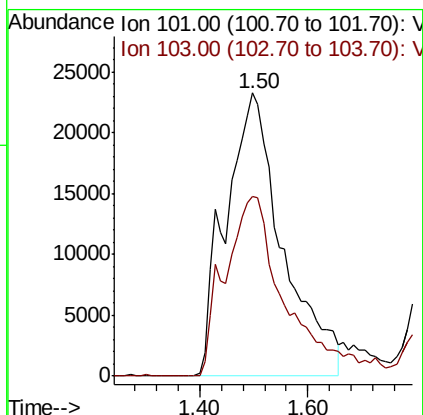
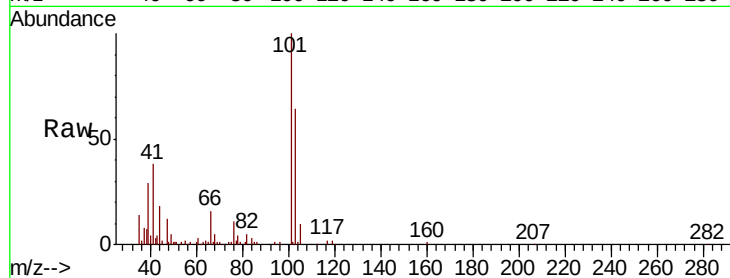


#7

Trichlorofluoromethane
Concen: 51.905 ug/l
RT: 1.50 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Instrument :
MSVOA_F
ClientSampleId :

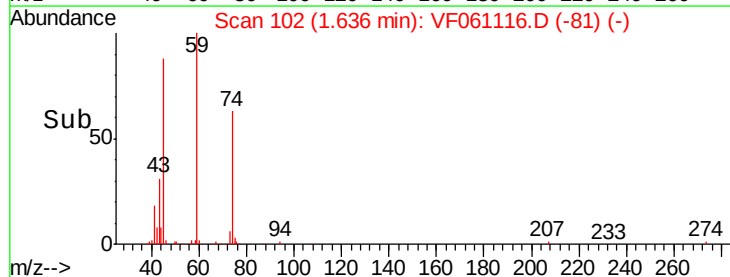
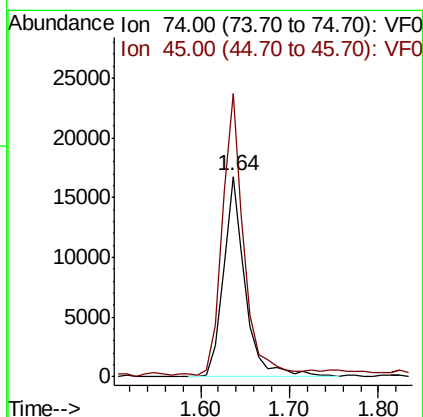
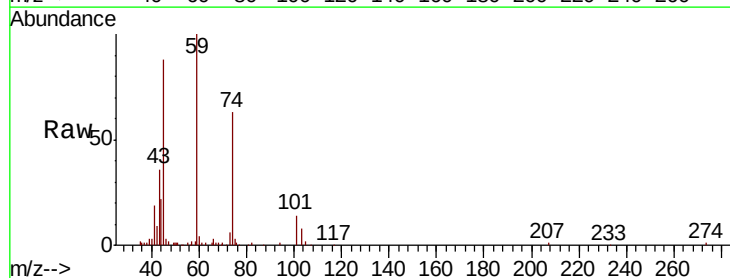
Tot Ion:101 Resp: 171002
Ion Ratio Lower Upper
101 100
103 63.5 50.7 76.1

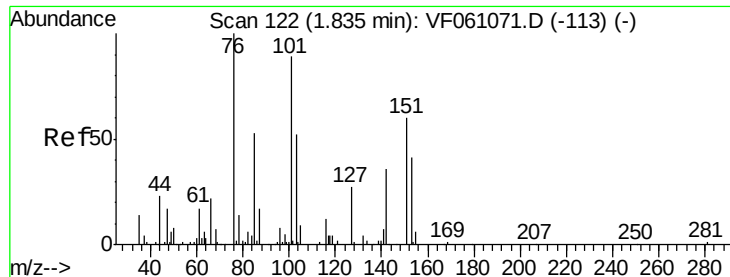


#8

Diethyl Ether
Concen: 64.222 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 74 Resp: 28973
Ion Ratio Lower Upper
74 100
45 141.0 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.776 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampled :

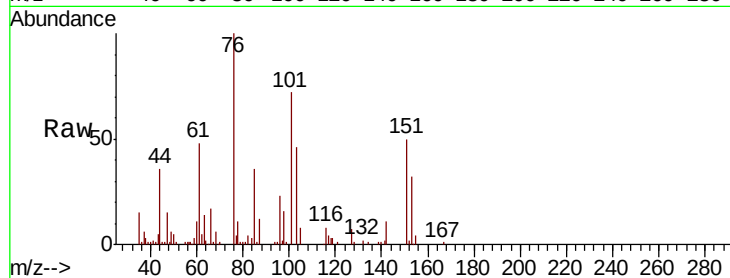
Tot Ion:101 Resp: 85026

Ion Ratio Lower Upper

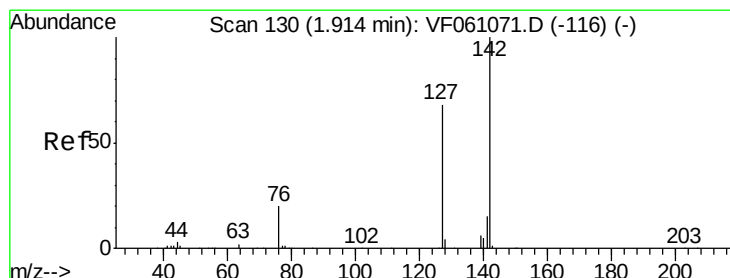
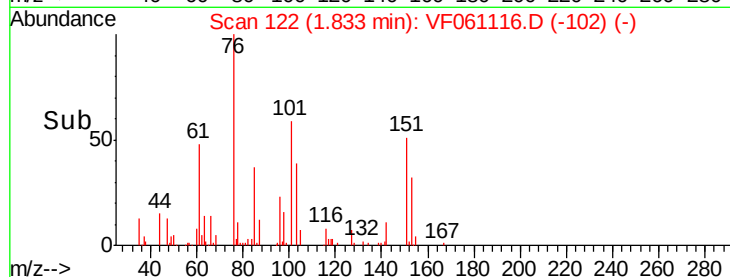
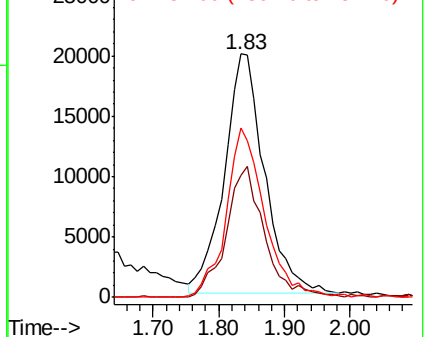
101 100

85 50.3 44.5 66.7

151 69.6 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 44.696 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

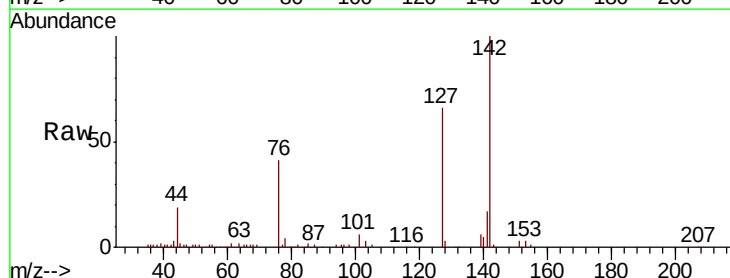
Tgt Ion:142 Resp: 120349

Ion Ratio Lower Upper

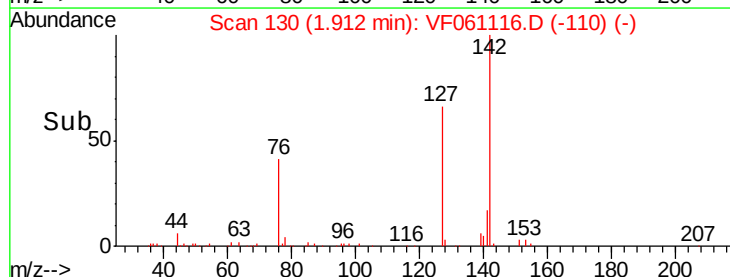
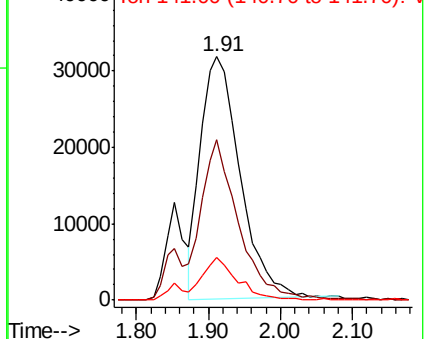
142 100

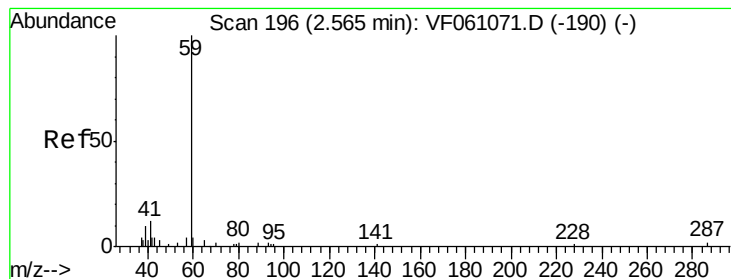
127 65.8 54.7 82.1

141 17.5 12.2 18.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



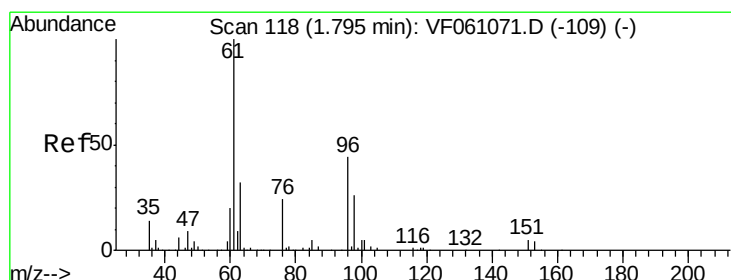
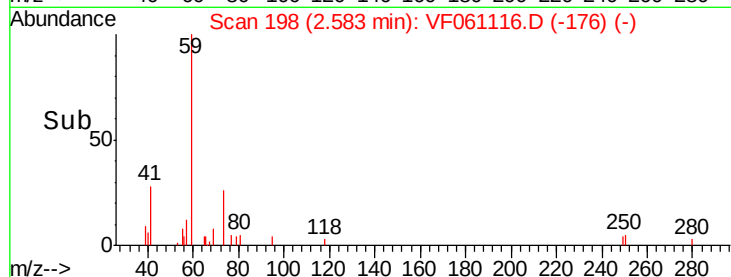
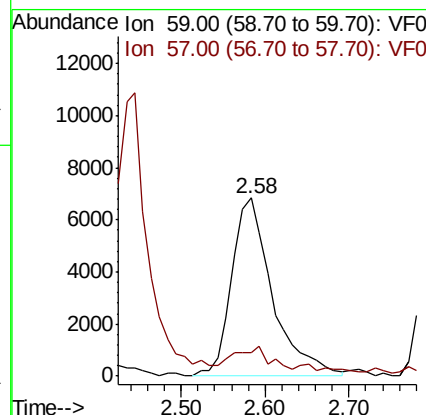
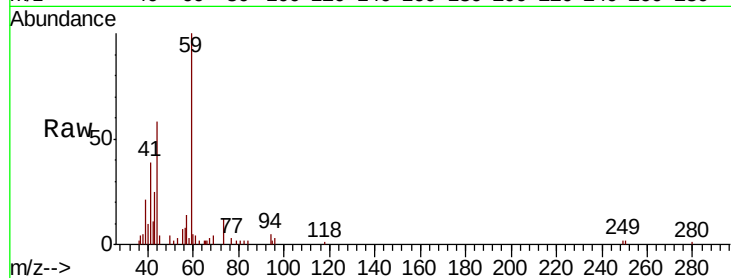


#11

Tert butyl alcohol
 Concen: 305.495 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Instrument :
 MSVOA_F
 ClientSampleId :

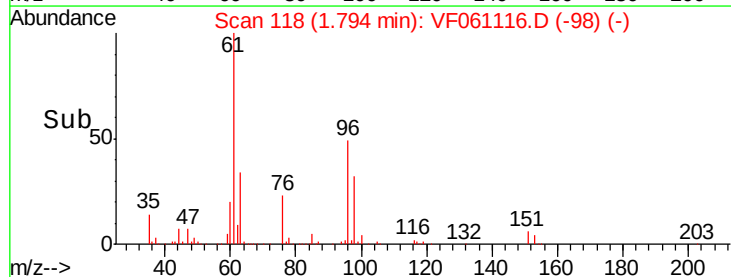
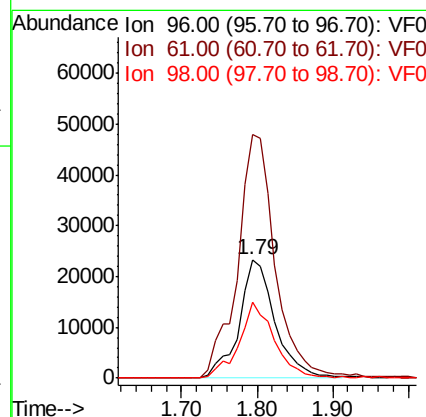
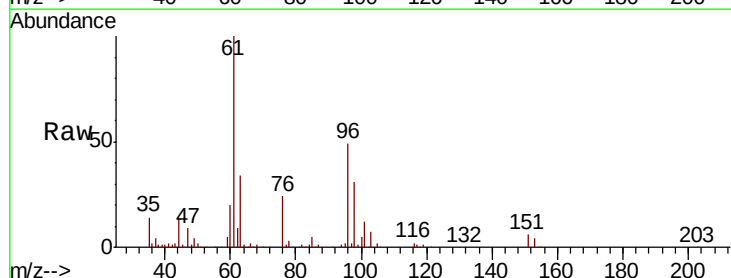
Tot Ion: 59 Resp: 23161
 Ion Ratio Lower Upper
 59 100
 57 13.5 11.5 17.3

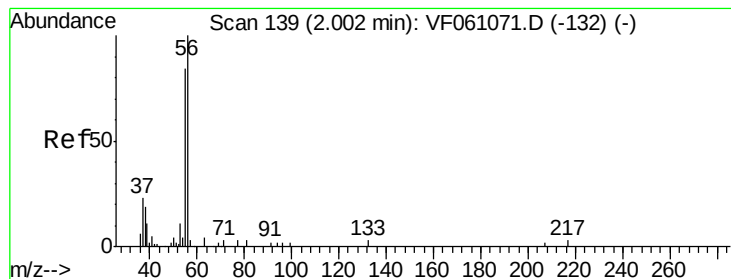


#12

1,1-Dichloroethene
 Concen: 59.570 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion: 96 Resp: 76704
 Ion Ratio Lower Upper
 96 100
 61 205.7 182.0 273.0
 98 64.7 46.5 69.7





#13

Acrolein

Concen: 4.691 ug/l

RT: 2.14 min Scan# 153

Delta R.T. 0.14 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

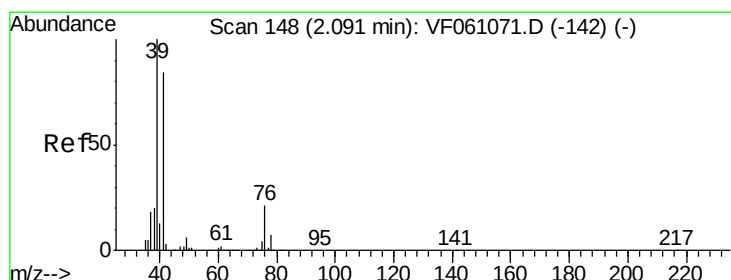
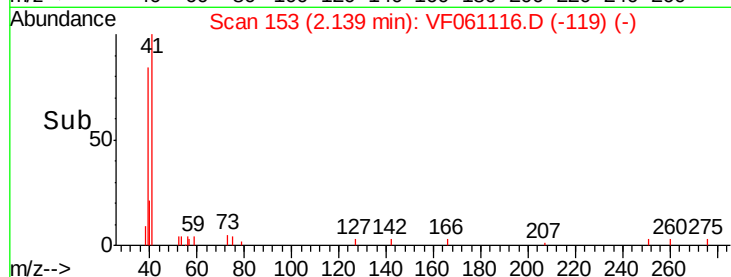
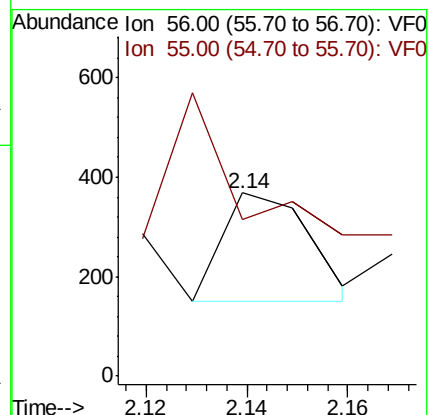
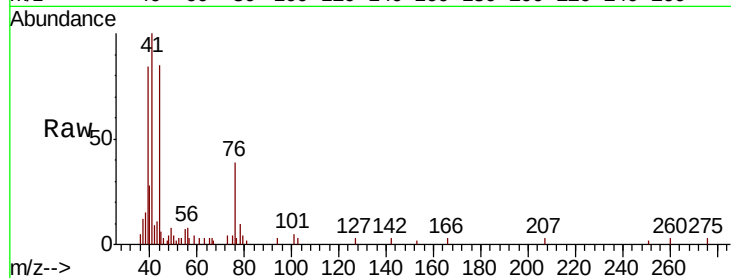
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 257

Ion Ratio Lower Upper

56 100

55 85.1 70.2 105.2



#14

Allyl chloride

Concen: 57.394 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

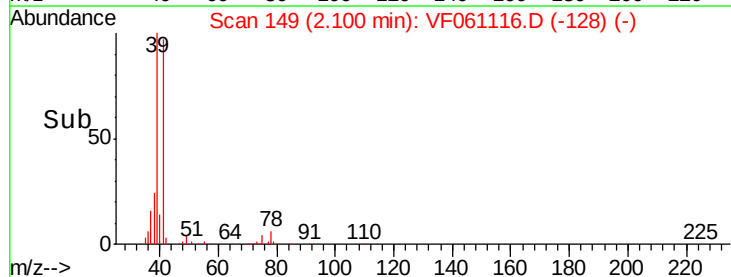
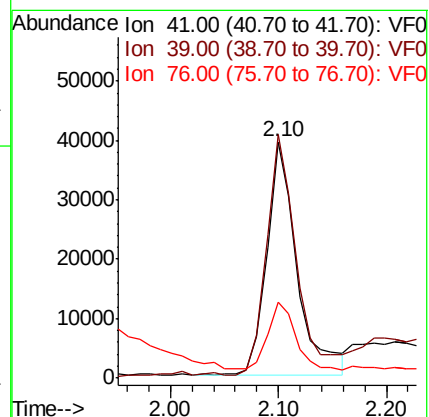
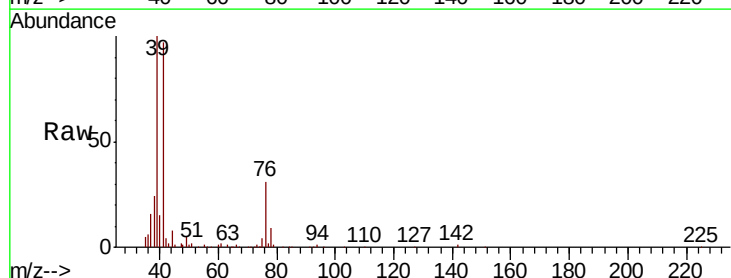
Tgt Ion: 41 Resp: 76907

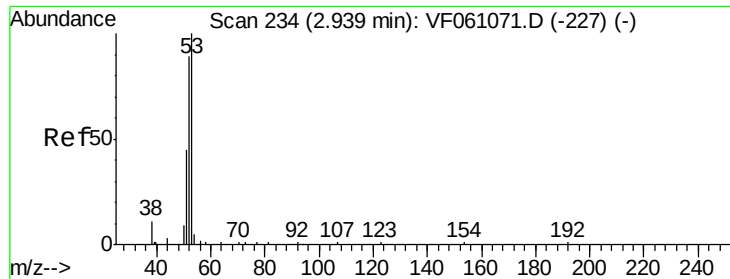
Ion Ratio Lower Upper

41 100

39 103.1 96.4 144.6

76 32.3 25.4 38.0





#15

Acrylonitrile

Concen: 301.204 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :
MSVOA_F
ClientSampled :

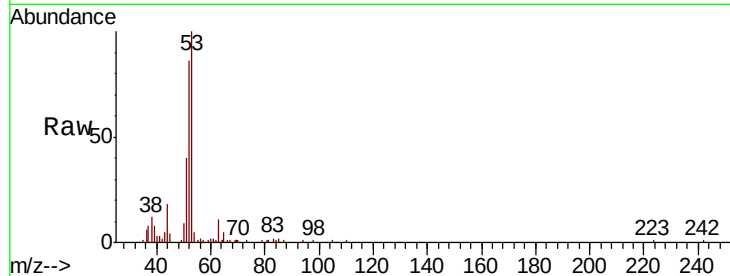
Tot Ion: 53 Resp: 52805

Ion Ratio Lower Upper

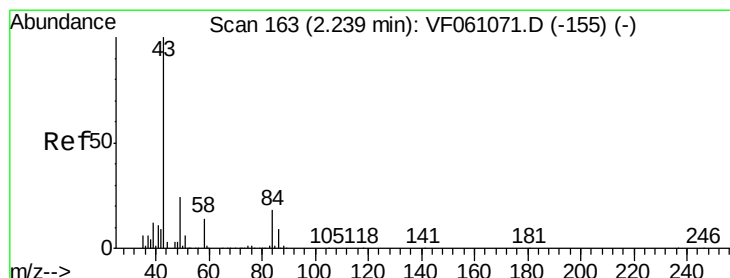
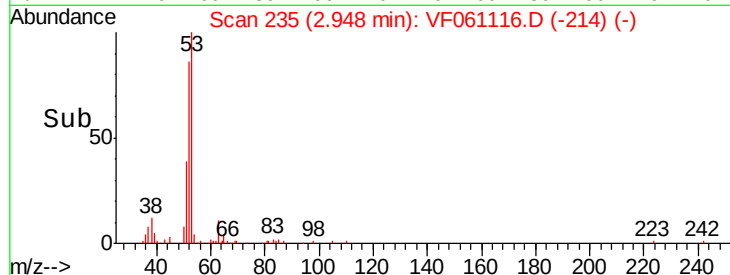
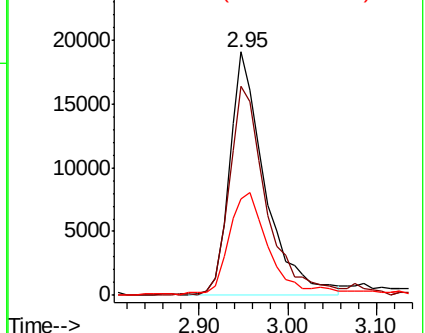
53 100

52 85.6 71.3 106.9

51 39.7 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: 201.014 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061116.D

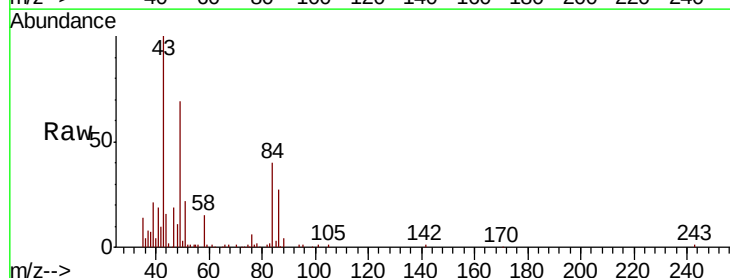
Acq: 20 Dec 2018 19:07

Tgt Ion: 43 Resp: 75497

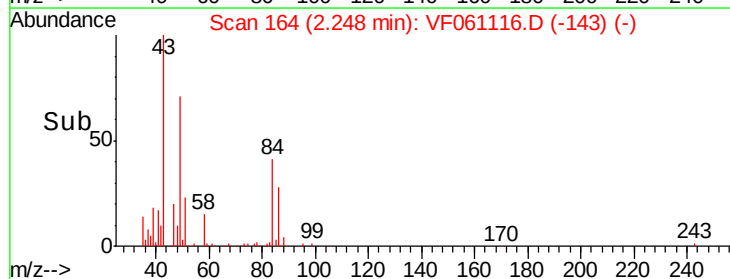
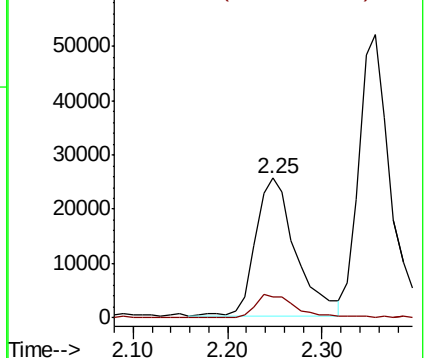
Ion Ratio Lower Upper

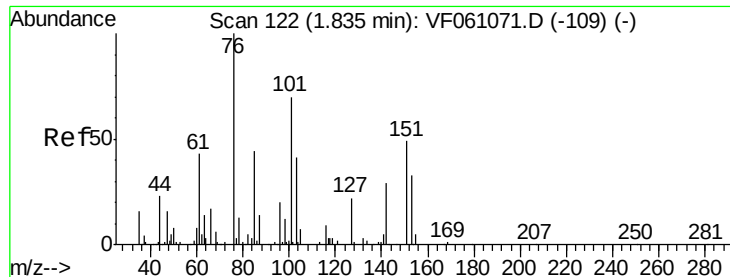
43 100

58 15.2 11.1 16.7



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

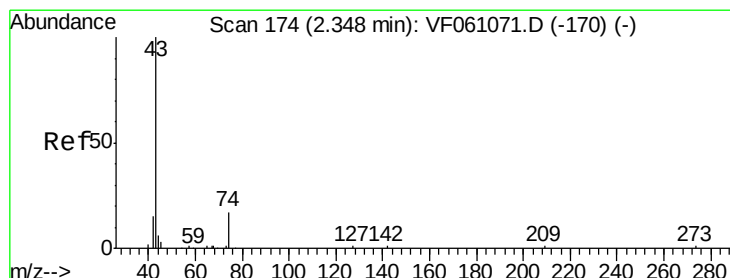
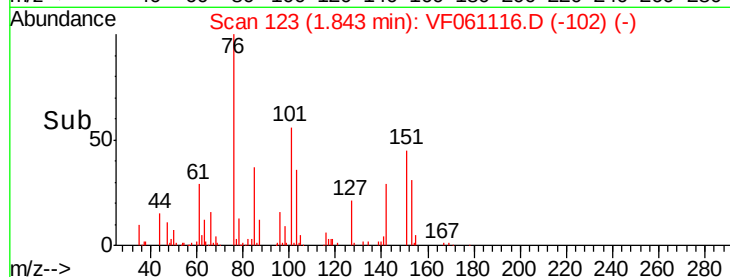
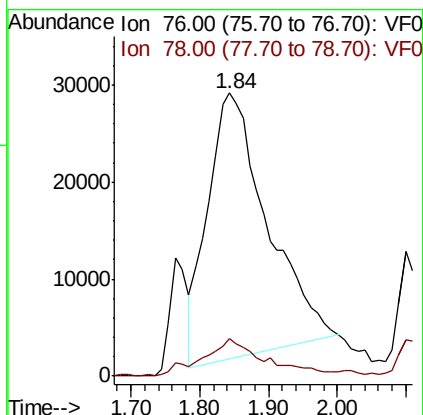
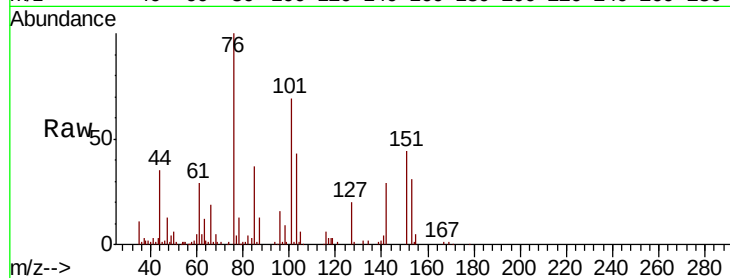




#17
Carbon Disulfide
Concen: 42.150 ug/l
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

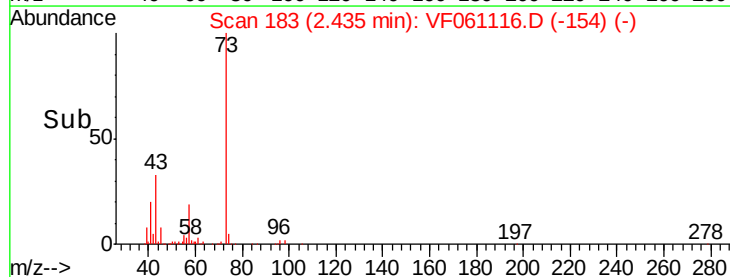
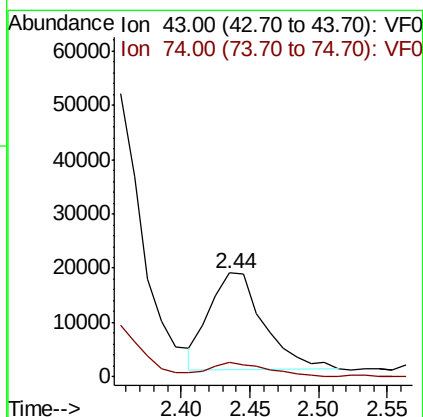
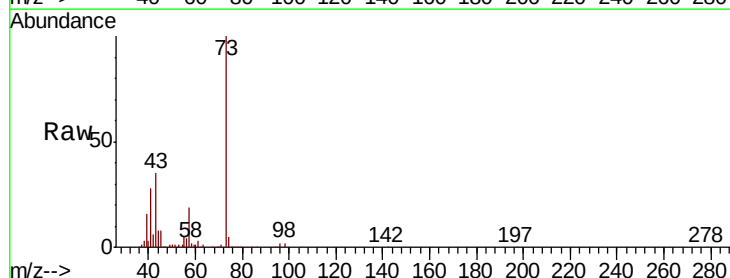
Instrument :
MSVOA_F
ClientSampleId :

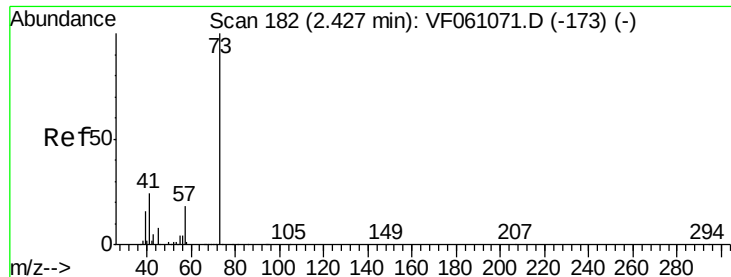
Tot Ion: 76 Resp: 164016
Ion Ratio Lower Upper
76 100
78 13.1 10.2 15.4



#18
Methyl Acetate
Concen: 63.477 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.09 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 43 Resp: 49324
Ion Ratio Lower Upper
43 100
74 14.2 11.0 16.6

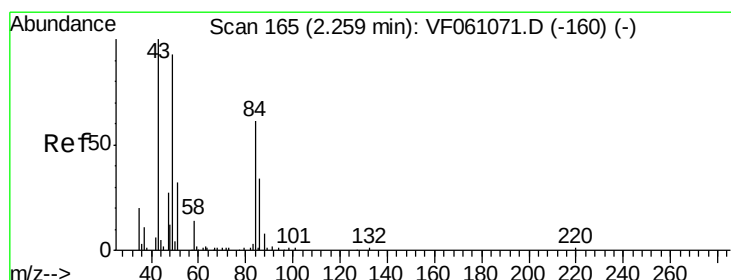
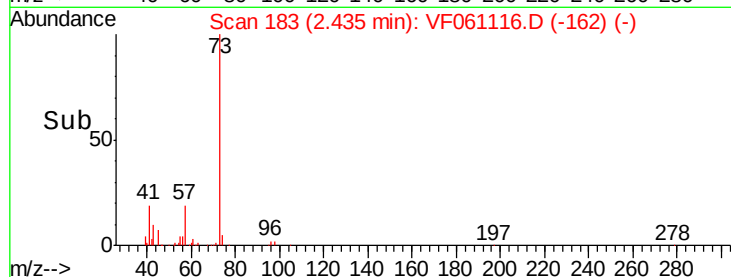
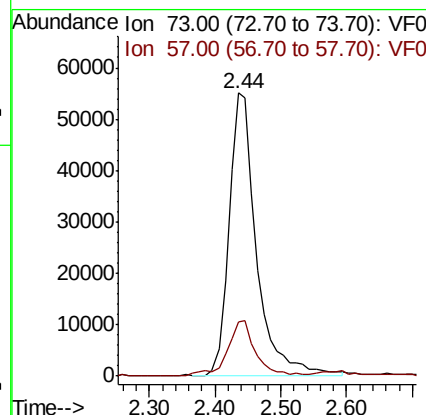
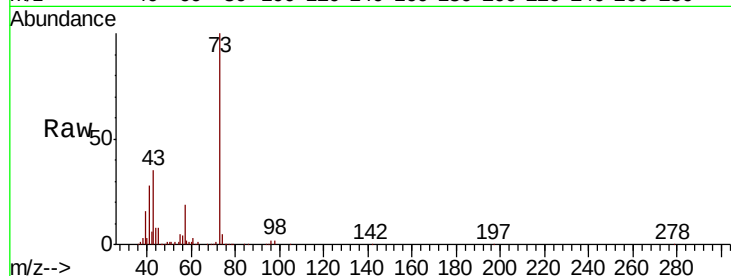




#19
Methyl tert-butyl Ether
Concen: 56.408 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

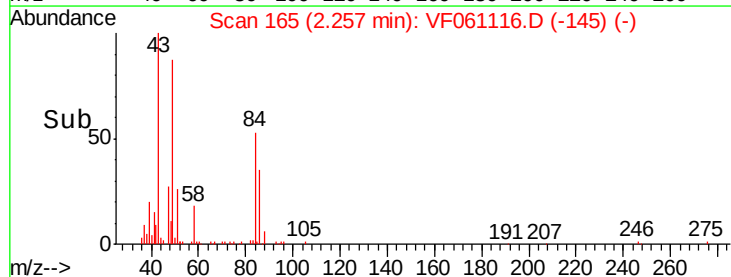
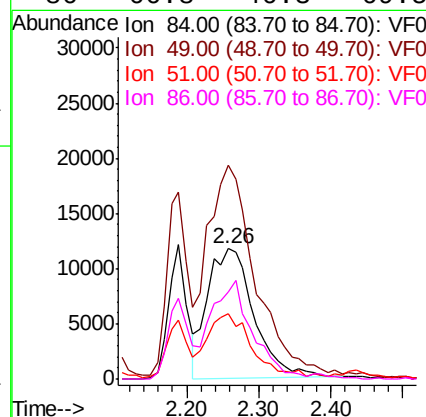
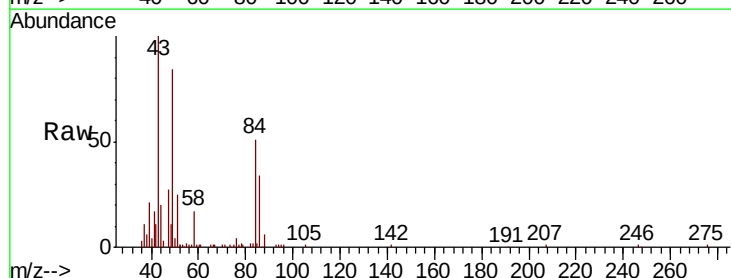
Instrument :
MSVOA_F
ClientSampleId :

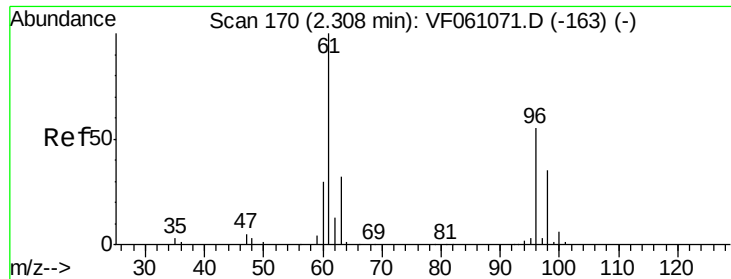
Tot Ion: 73 Resp: 161218
Ion Ratio Lower Upper
73 100
57 19.2 14.5 21.7



#20
Methylene Chloride
Concen: 42.611 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 84 Resp: 51938
Ion Ratio Lower Upper
84 100
49 163.7 129.4 194.2
51 49.8 44.0 66.0
86 66.8 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 44.115 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

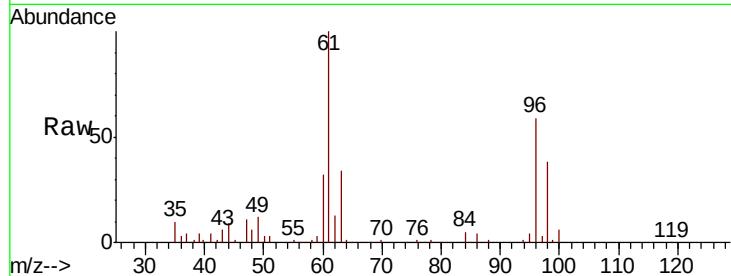
Tot Ion: 96 Resp: 60755

Ion Ratio Lower Upper

96 100

61 168.7 146.0 219.0

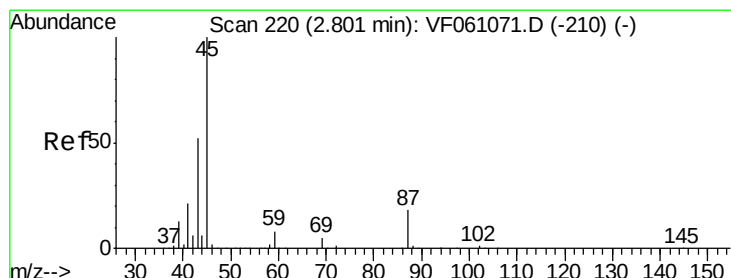
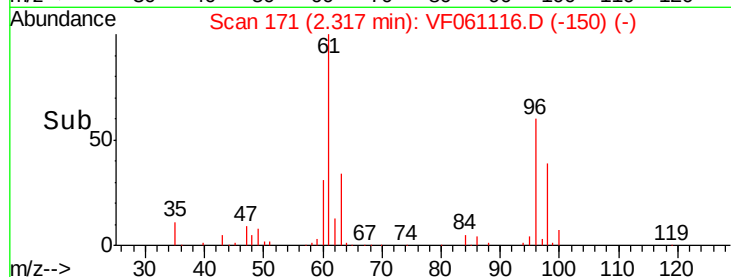
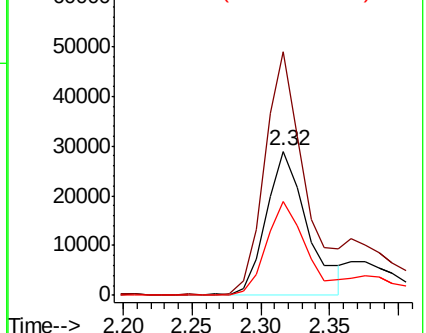
98 64.6 51.6 77.4



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: 61.157 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Tgt Ion: 45 Resp: 272975

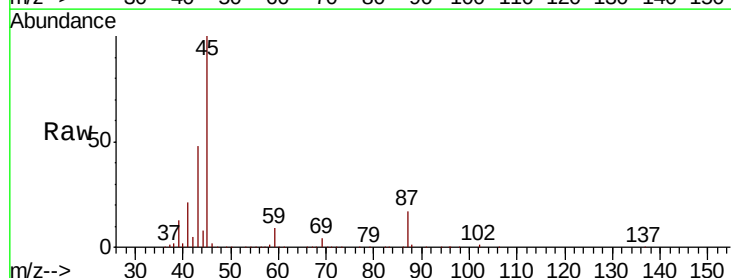
Ion Ratio Lower Upper

45 100

43 48.3 42.2 63.2

87 17.3 14.6 22.0

59 8.8 7.0 10.4

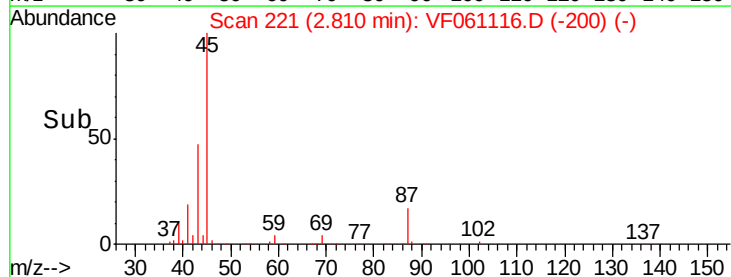
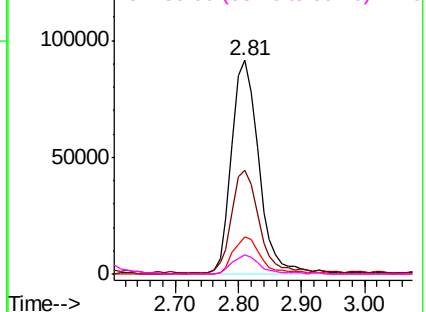


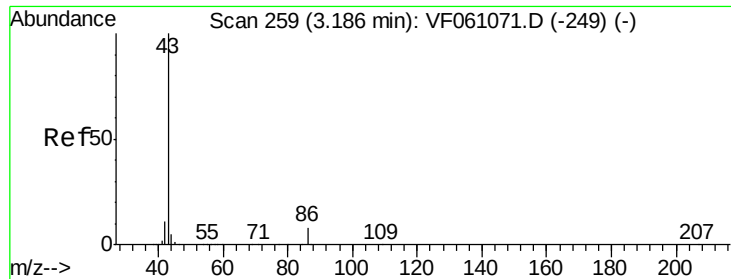
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

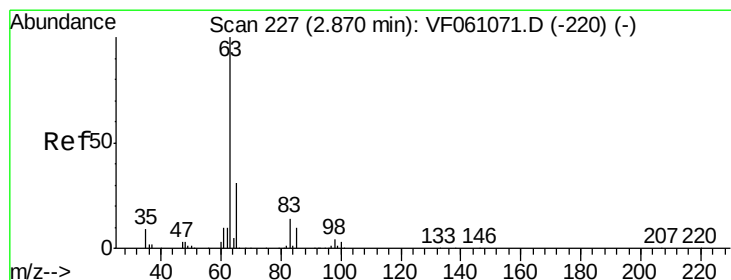
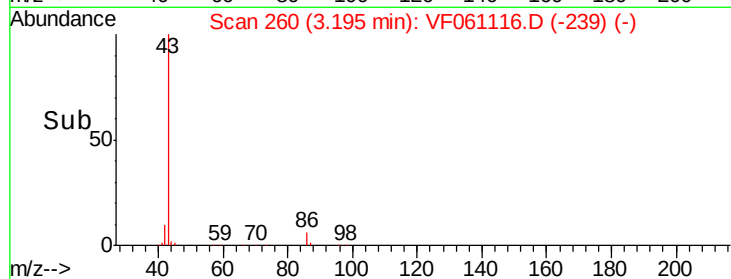
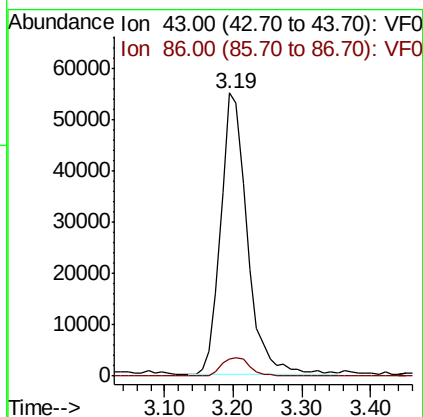
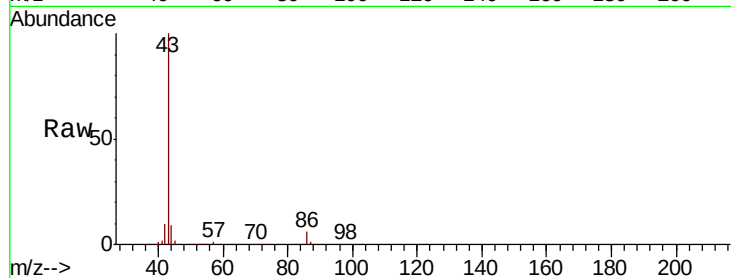




#23
 Vinyl Acetate
 Concen: 71.104 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

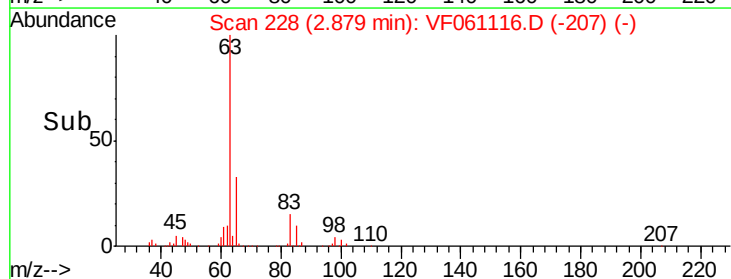
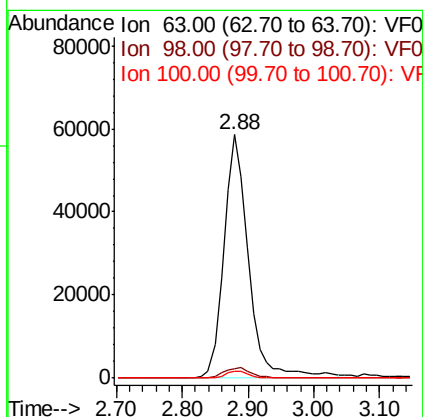
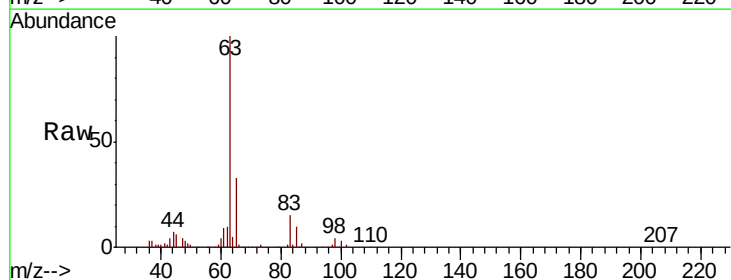
Instrument :
 MSVOA_F
 ClientSampleId :

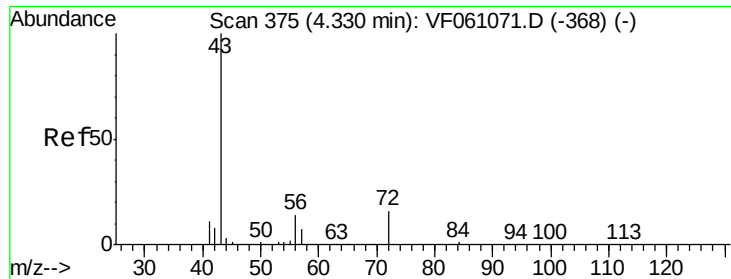
Tot Ion: 43 Resp: 146412
 Ion Ratio Lower Upper
 43 100
 86 6.2 6.3 9.5#



#24
 1,1-Dichloroethane
 Concen: 58.217 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion: 63 Resp: 153961
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.1 6.5
 100 3.0 1.7 5.1





#25

2-Butanone

Concen: 257.306 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

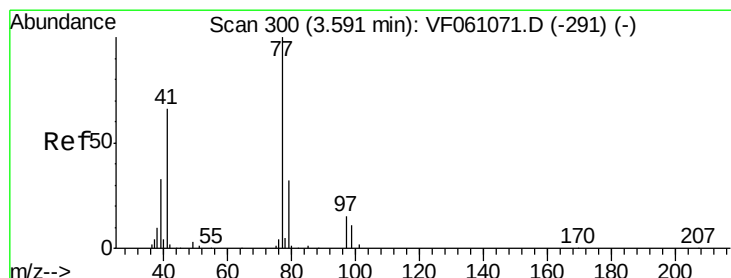
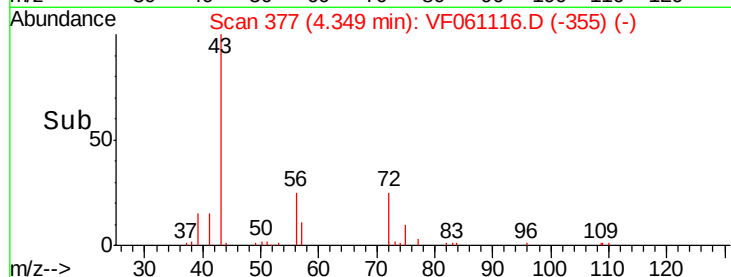
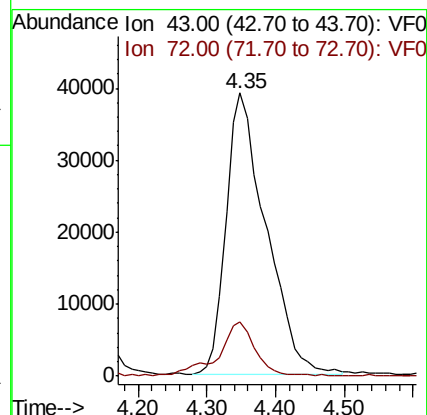
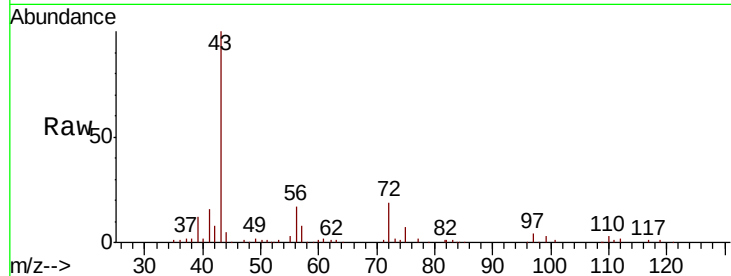
ClientSampleId :

Tot Ion: 43 Resp: 156730

Ion Ratio Lower Upper

43 100

72 19.3 15.6 23.4



#26

2,2-Dichloropropane

Concen: 55.100 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.02 min

Lab File: VF061116.D

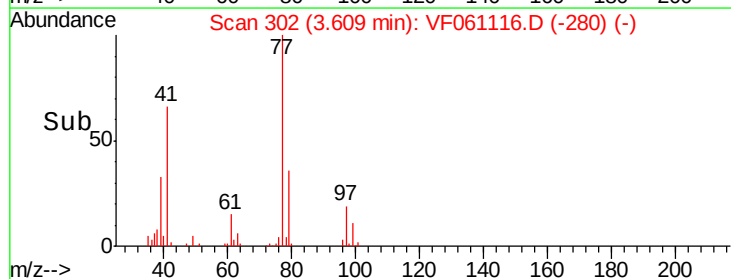
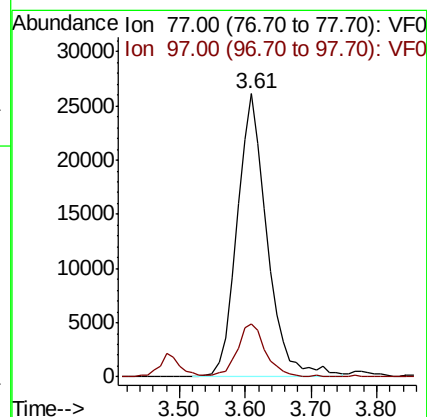
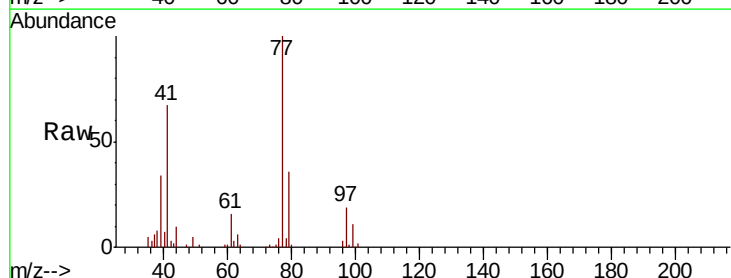
Acq: 20 Dec 2018 19:07

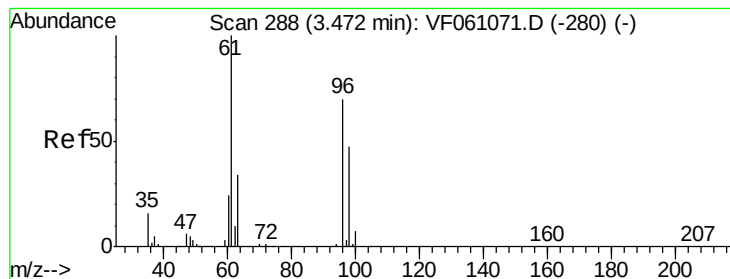
Tgt Ion: 77 Resp: 83625

Ion Ratio Lower Upper

77 100

97 18.6 8.2 24.4



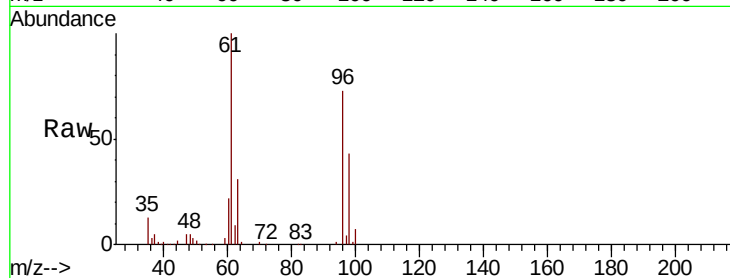


#27

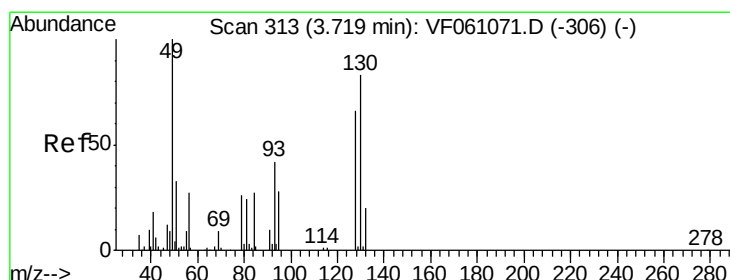
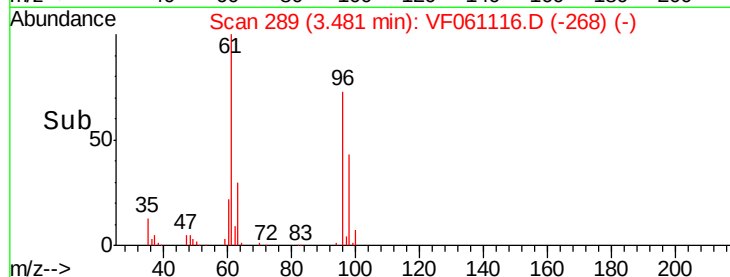
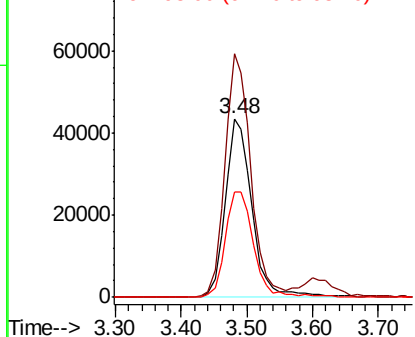
cis-1,2-Dichloroethene
Concen: 58.248 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	287.8
98	59.0	0.0	134.2



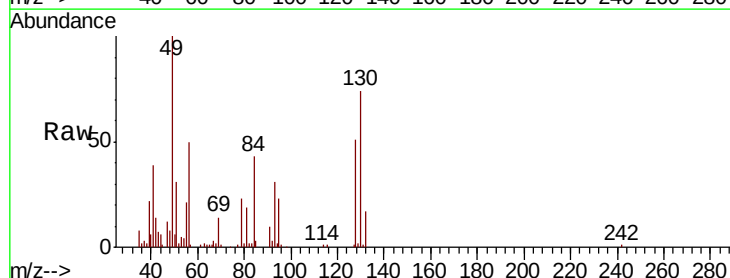
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



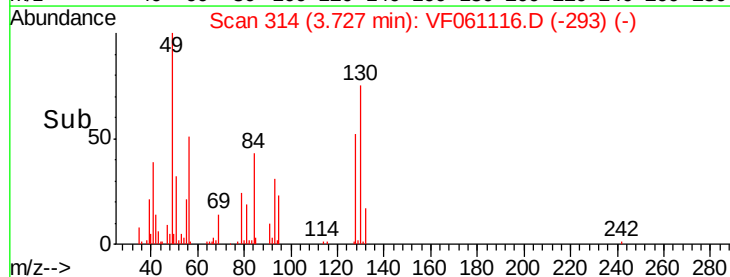
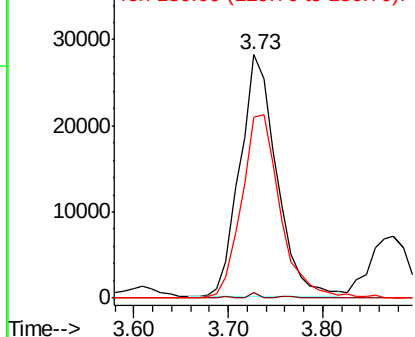
#28

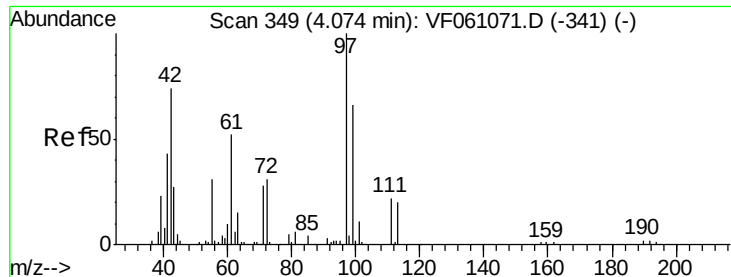
Bromochloromethane
Concen: 56.753 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	74.4	65.8	98.6



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





#29

Tetrahydrofuran

Concen: 294.678 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampled :

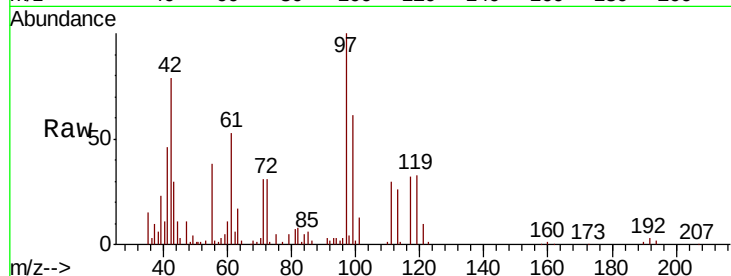
Tot Ion: 42 Resp: 73056

Ion Ratio Lower Upper

42 100

72 37.4 31.8 47.8

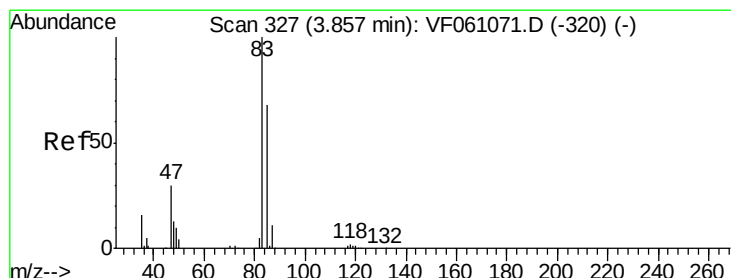
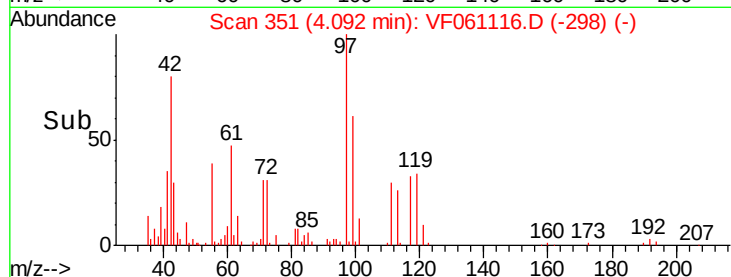
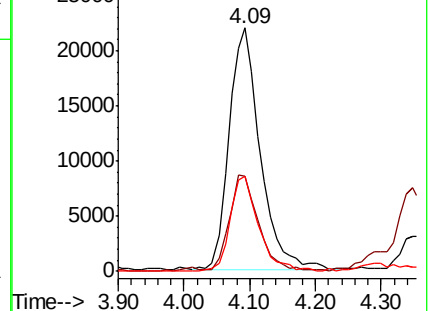
71 35.8 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 52.363 ug/l

RT: 3.88 min Scan# 329

Delta R.T. 0.02 min

Lab File: VF061116.D

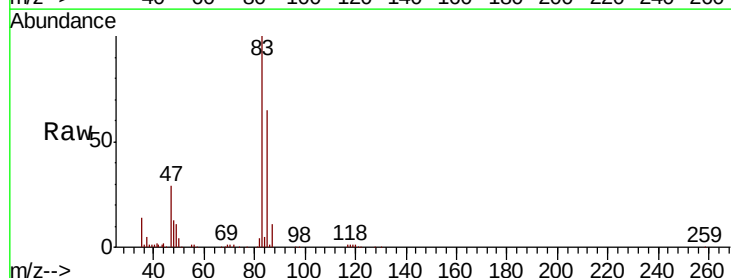
Acq: 20 Dec 2018 19:07

Tgt Ion: 83 Resp: 207640

Ion Ratio Lower Upper

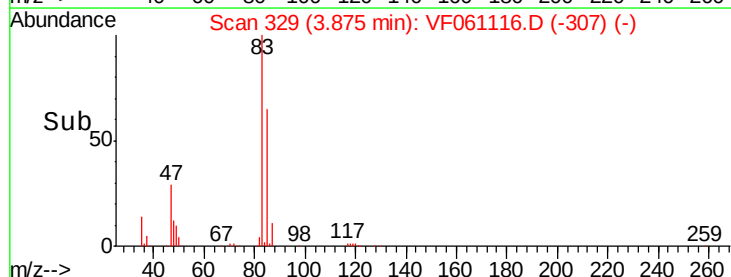
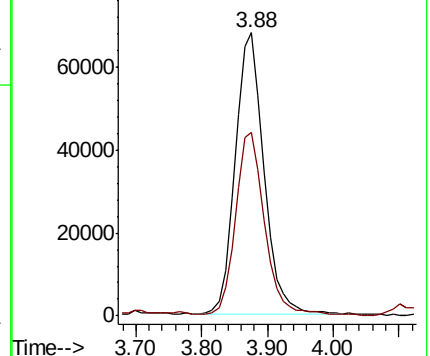
83 100

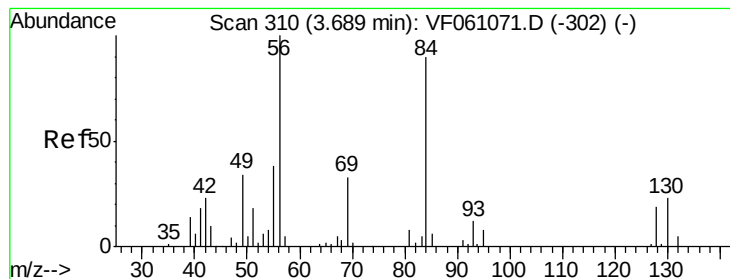
85 64.8 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 26.676 ug/l

RT: 3.71 min Scan# 312

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

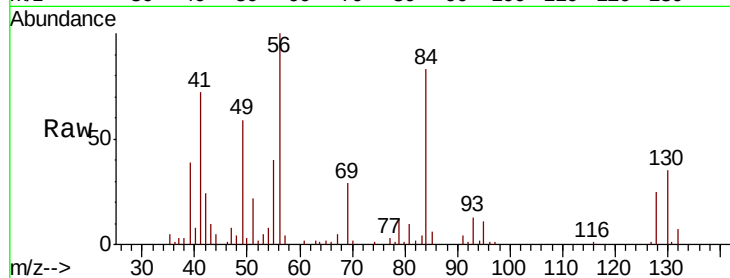
Tot Ion: 56 Resp: 73204

Ion Ratio Lower Upper

56 100

69 28.5 26.0 39.0

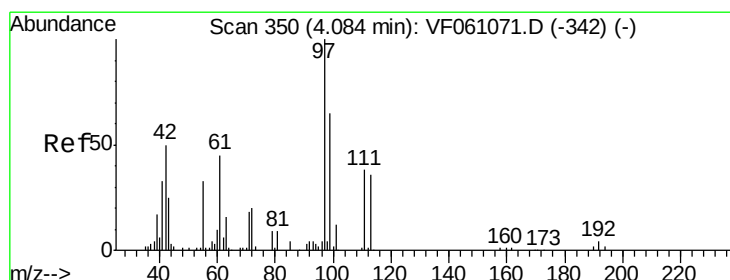
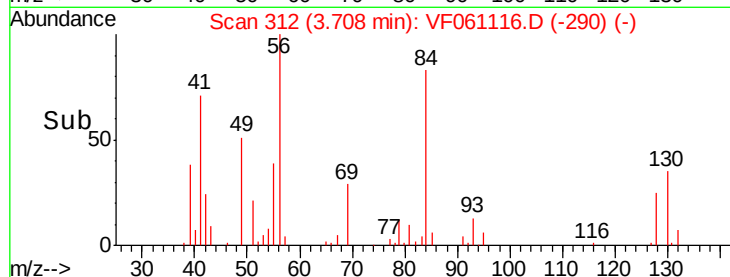
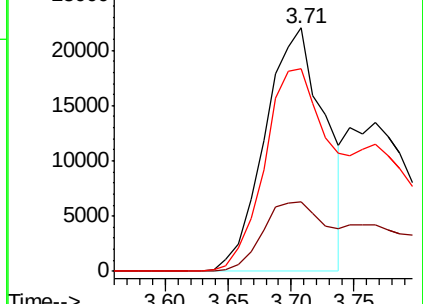
84 83.3 71.4 107.2



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: 55.408 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

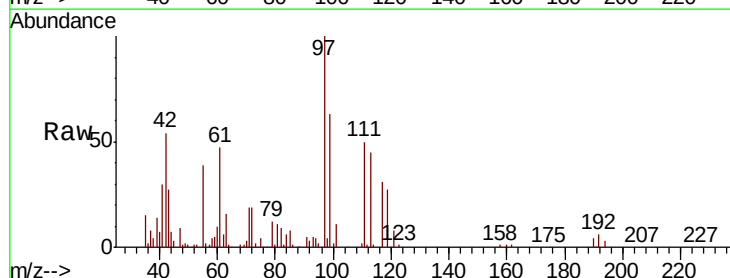
Tgt Ion: 97 Resp: 131693

Ion Ratio Lower Upper

97 100

99 62.9 51.6 77.4

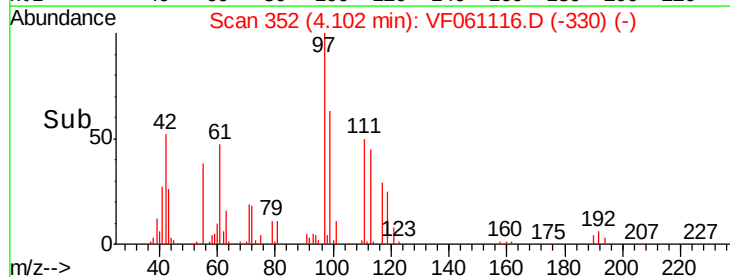
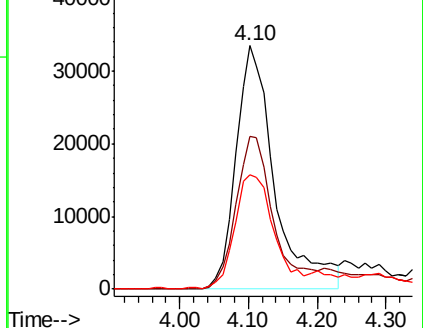
61 47.2 36.2 54.2

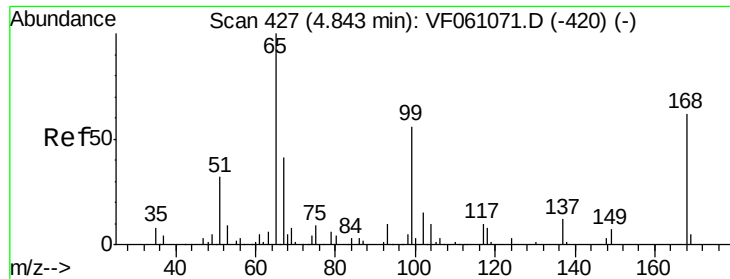


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

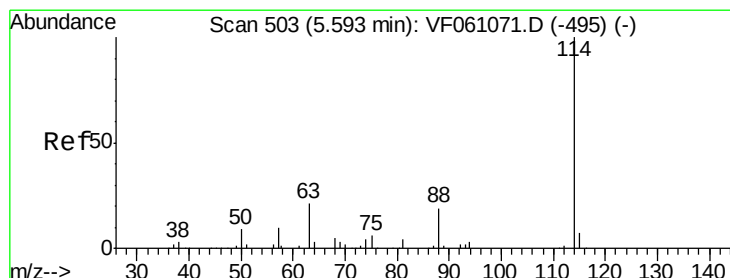
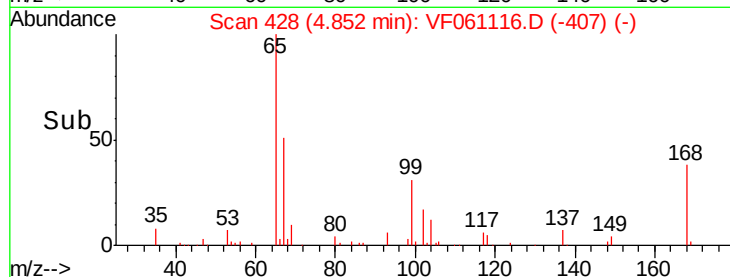
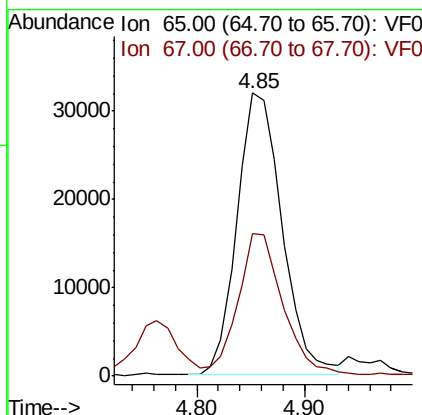
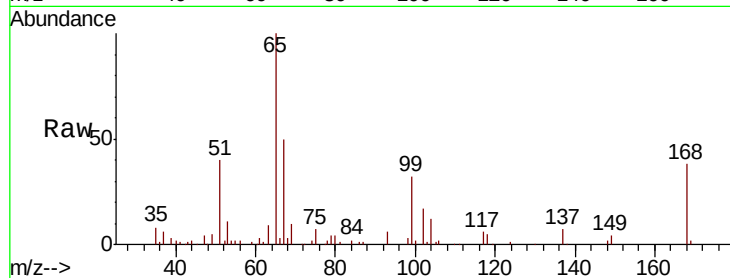




#33
 1,2-Dichloroethane-d4
 Concen: 49.386 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

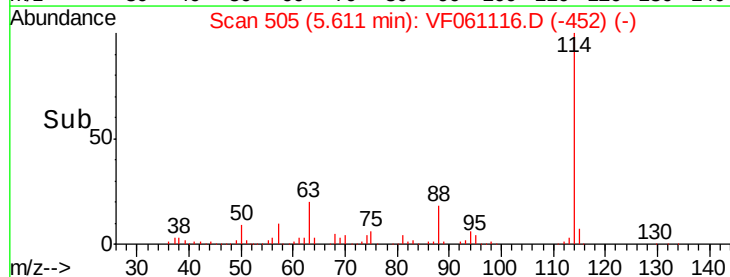
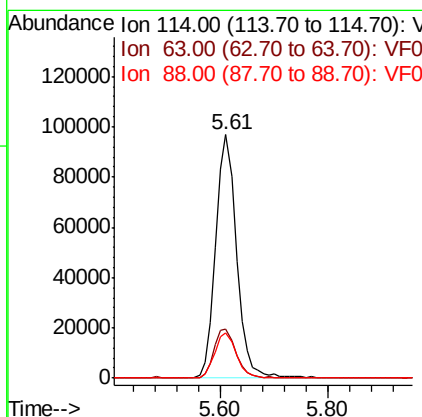
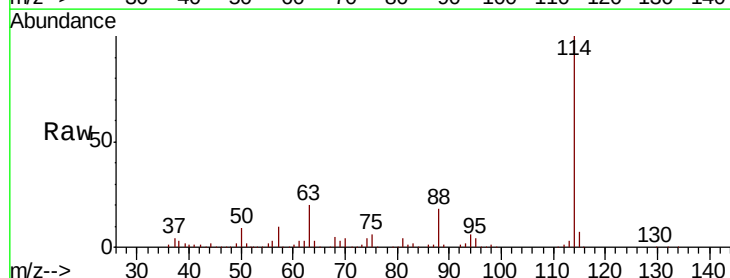
Instrument :
 MSVOA_F
 ClientSampleId :

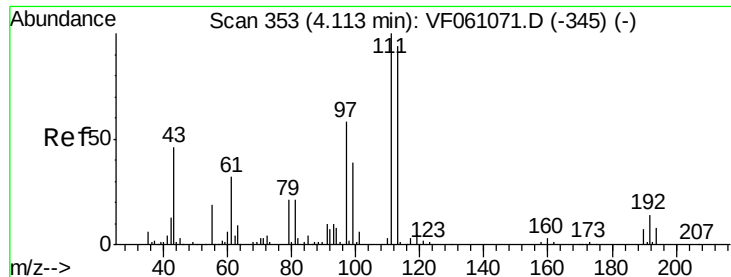
Tot Ion: 65 Resp: 92783
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion: 114 Resp: 259332
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.6
 88 18.4 0.0 38.0

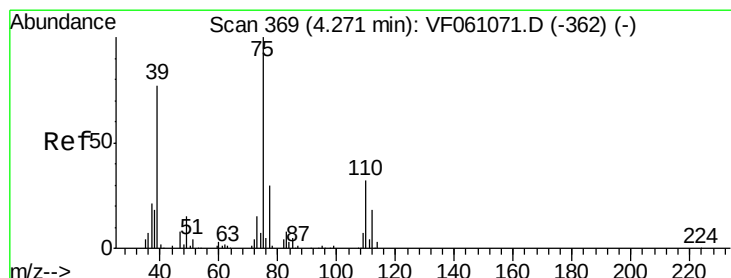
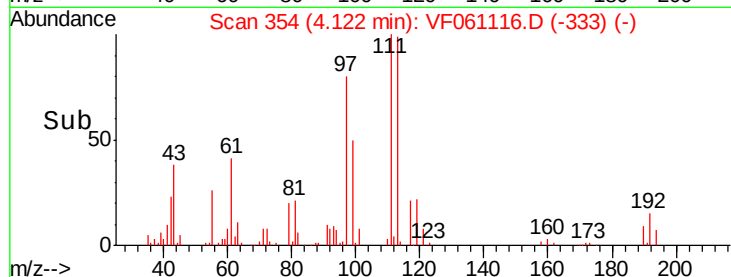
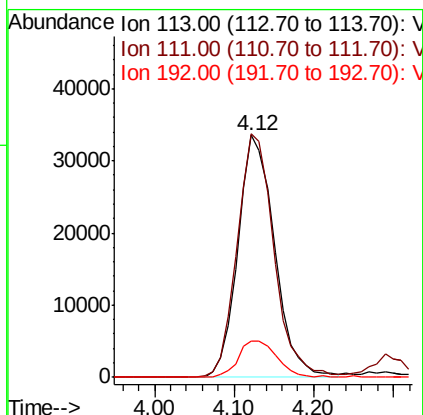
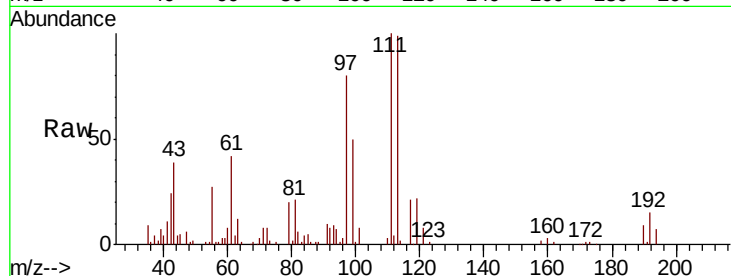




#35
 Dibromofluoromethane
 Concen: 51.639 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

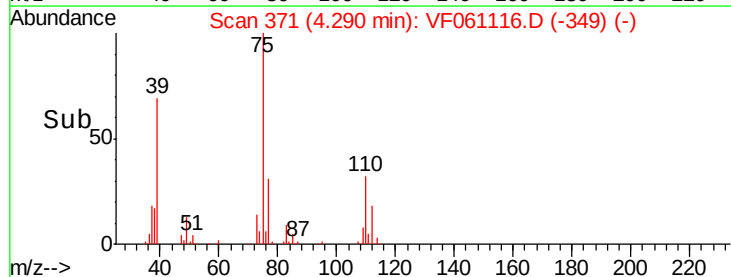
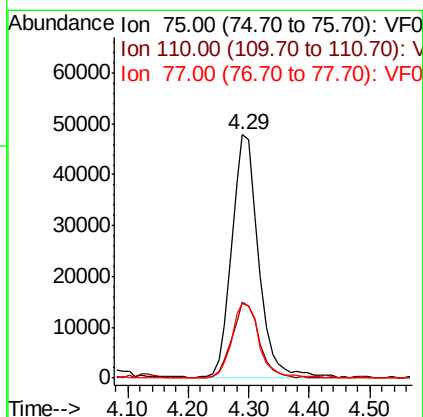
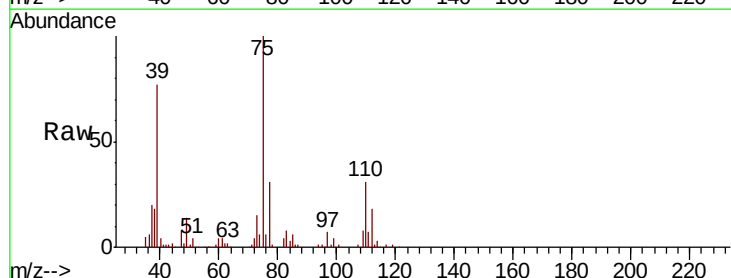
Instrument :
 MSVOA_F
 ClientSampleId :

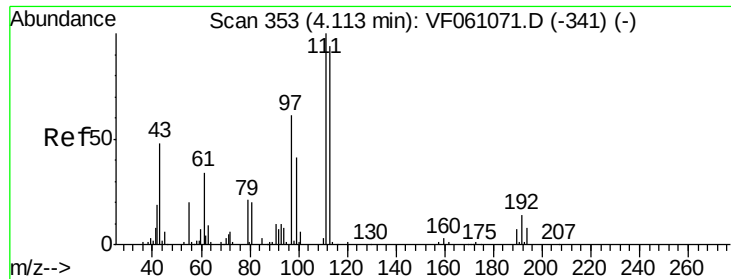
Tot Ion:113 Resp: 107274
 Ion Ratio Lower Upper
 113 100
 111 100.6 85.2 127.8
 192 15.0 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 46.929 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion: 75 Resp: 146901
 Ion Ratio Lower Upper
 75 100
 110 31.3 16.1 48.2
 77 30.6 24.5 36.7

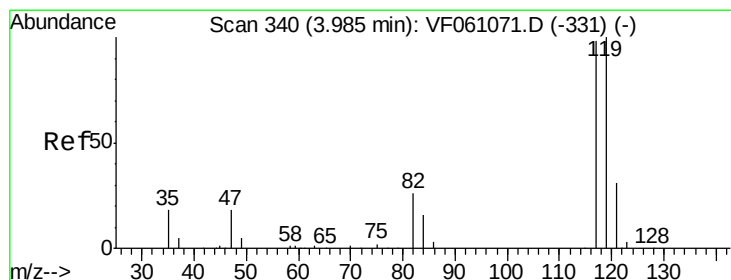
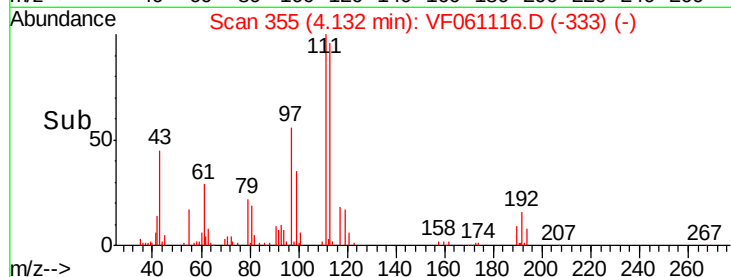
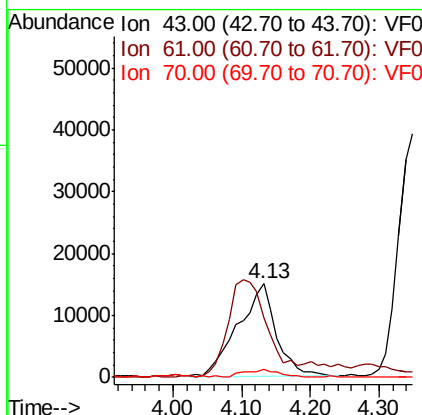
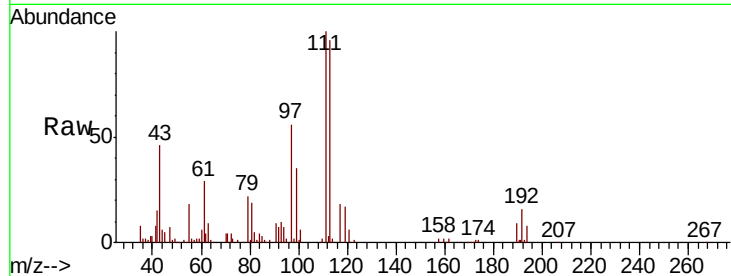




#37
Ethyl Acetate
Concen: 46.778 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

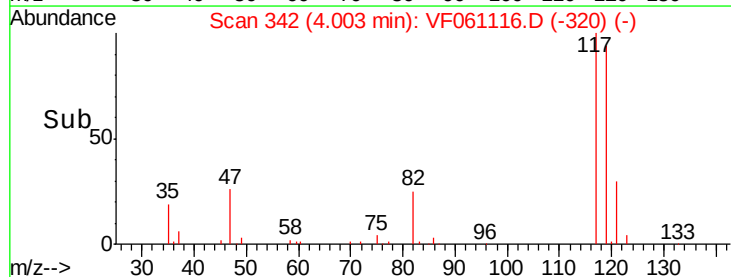
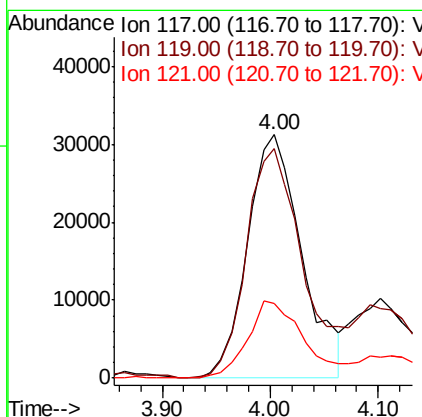
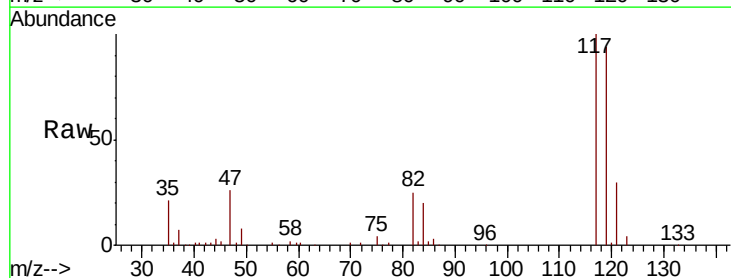
Instrument :
MSVOA_F
ClientSampled :

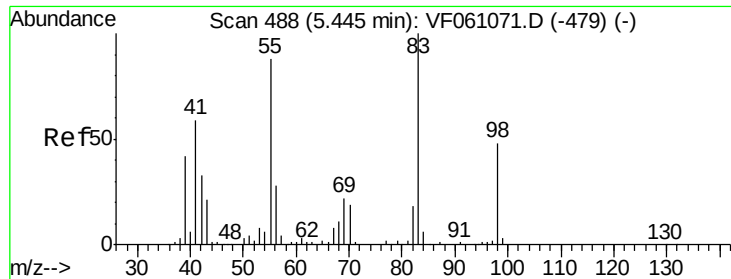
Tot Ion	43	Resp	57597
Ion Ratio	Lower	Upper	
43	100		
61	63.6	56.6	84.8
70	8.9	6.3	9.5



#38
Carbon Tetrachloride
Concen: 46.005 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion	117	Resp	109669
Ion Ratio	Lower	Upper	
117	100		
119	94.4	82.1	123.1
121	30.4	25.5	38.3

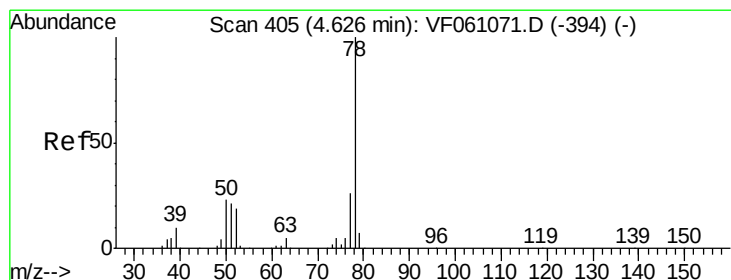
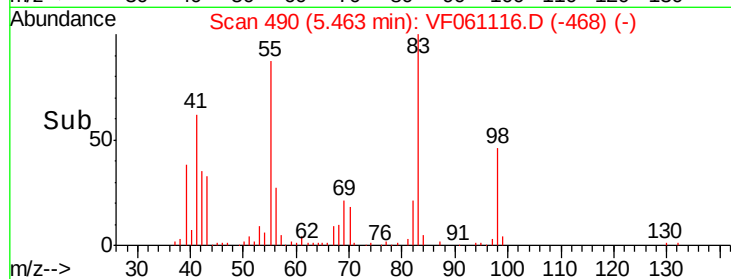
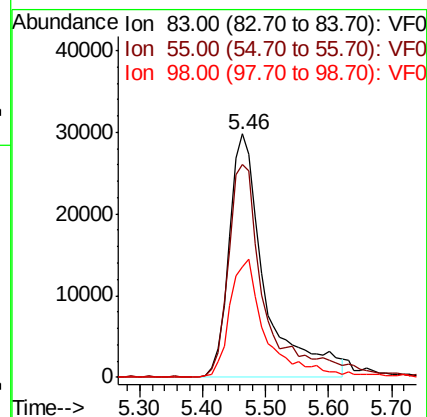
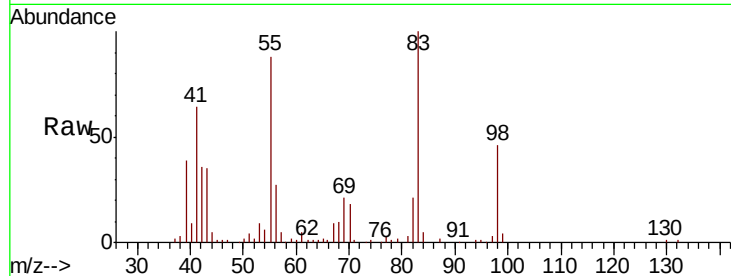




#39
Methylvlcyclohexane
Concen: 41.739 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

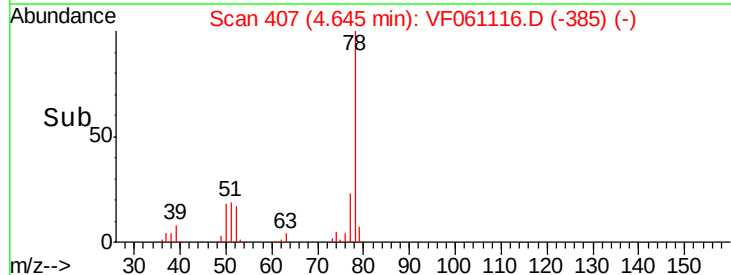
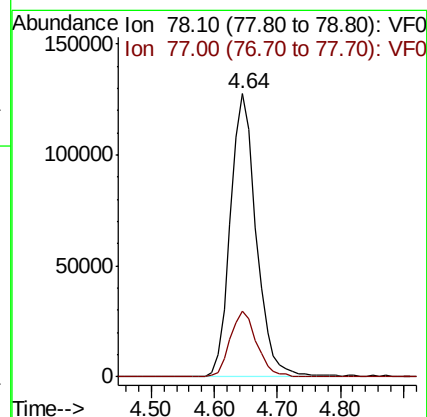
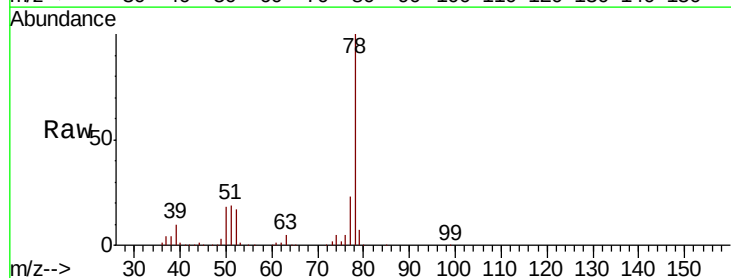
Instrument :
MSVOA_F
ClientSampleId :

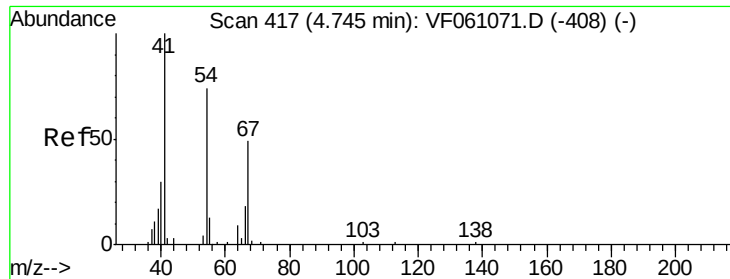
Tot Ion: 83 Resp: 117217
Ion Ratio Lower Upper
83 100
55 87.7 70.6 105.8
98 45.5 38.5 57.7



#40
Benzene
Concen: 54.099 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 78 Resp: 364183
Ion Ratio Lower Upper
78 100
77 23.3 20.7 31.1

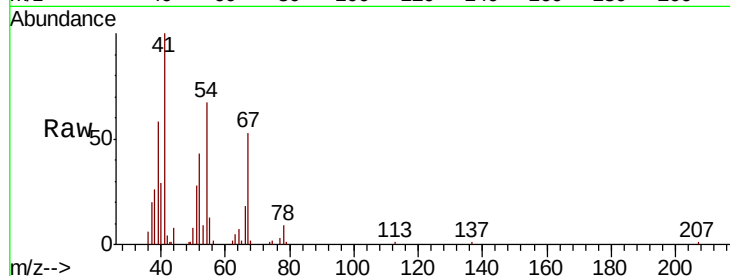




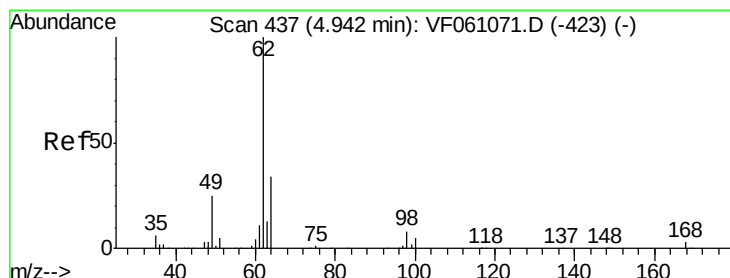
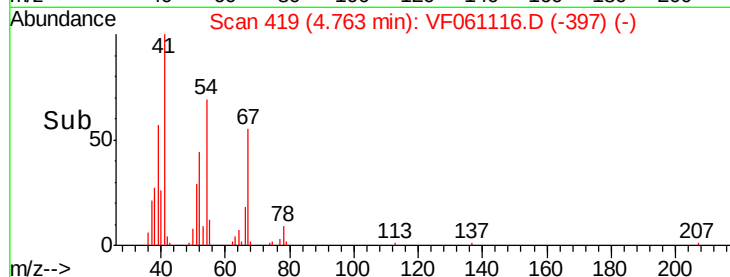
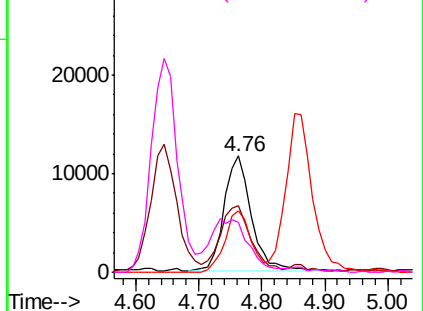
#41
Methacrylonitrile
Concen: 52.114 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	34452
Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.7	68.5
67	53.0	38.9	58.3
52	42.9	35.2	52.8

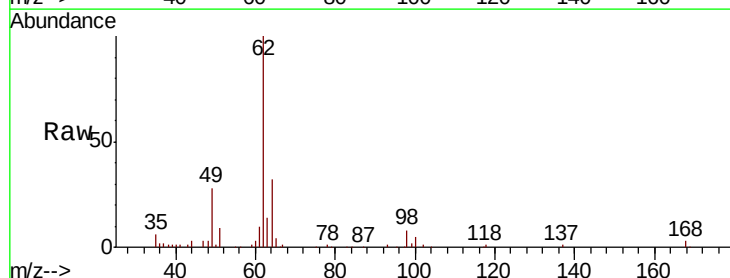


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

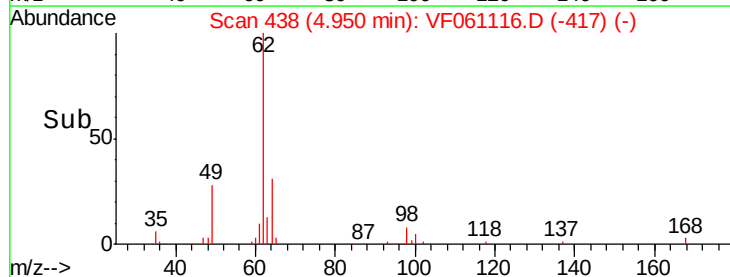
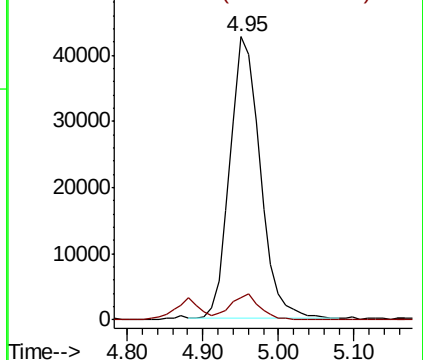


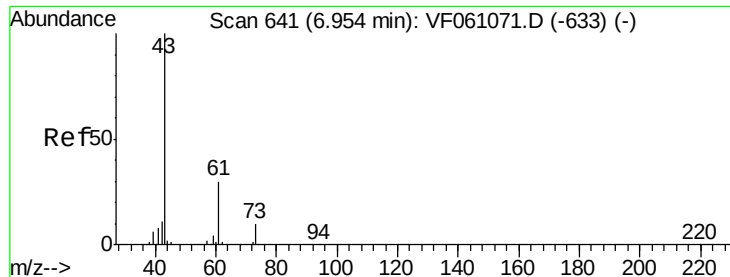
#42
1,2-Dichloroethane
Concen: 46.228 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion:	62	Resp:	118217
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 38.930 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

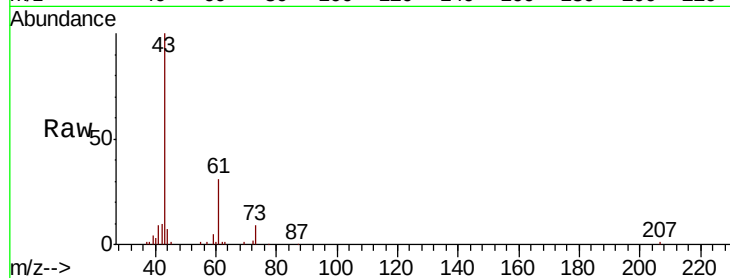
Tot Ion: 43 Resp: 58842

Ion Ratio Lower Upper

43 100

61 31.1 23.8 35.8

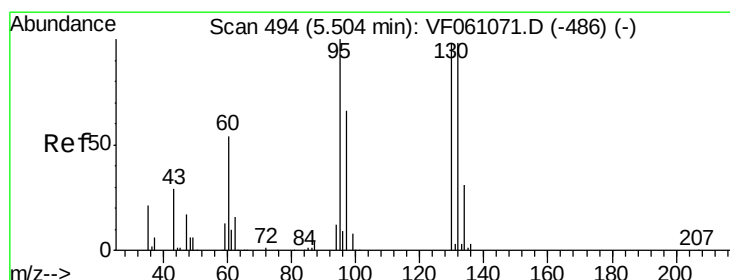
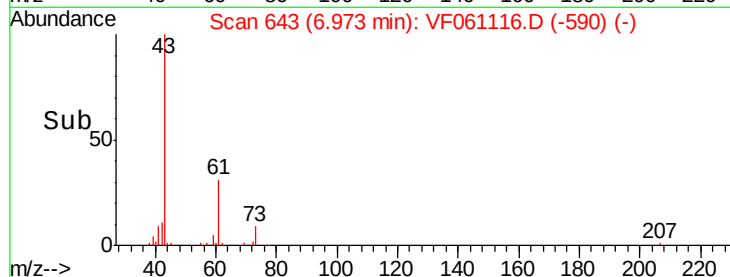
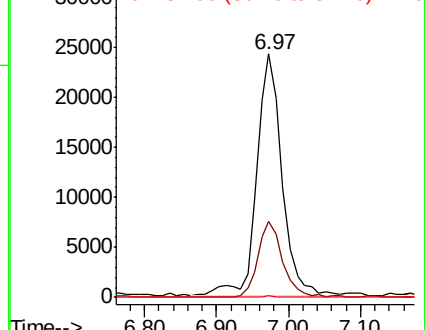
87 0.5 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 47.999 ug/l

RT: 5.51 min Scan# 495

Delta R.T. 0.01 min

Lab File: VF061116.D

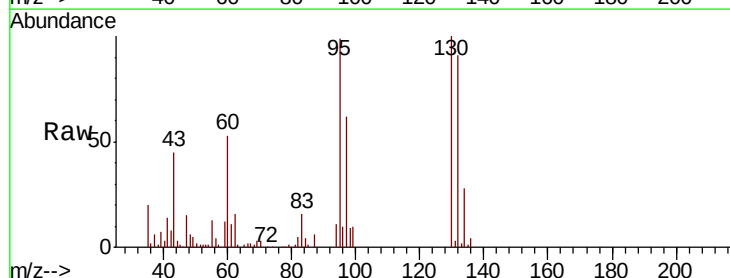
Acq: 20 Dec 2018 19:07

Tgt Ion:130 Resp: 101870

Ion Ratio Lower Upper

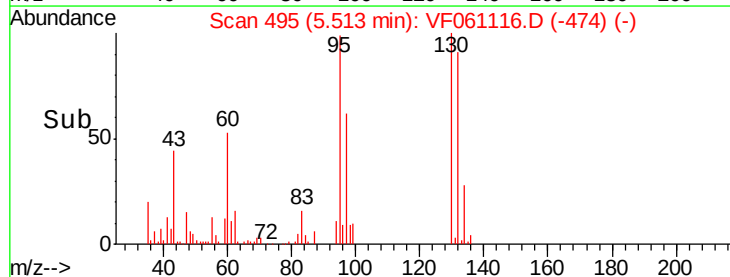
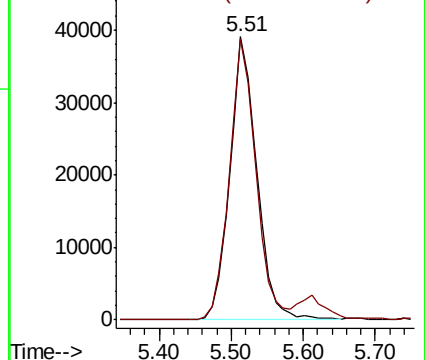
130 100

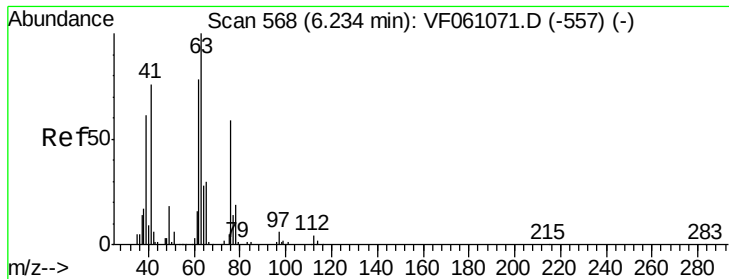
95 99.2 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 54.132 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

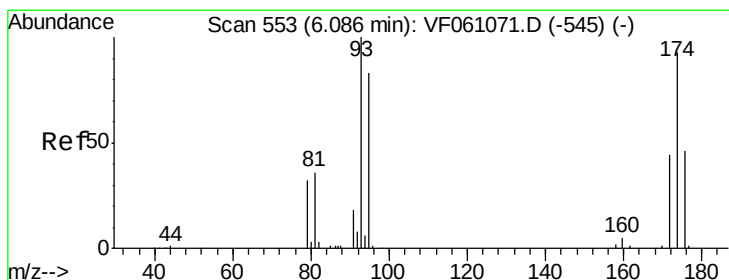
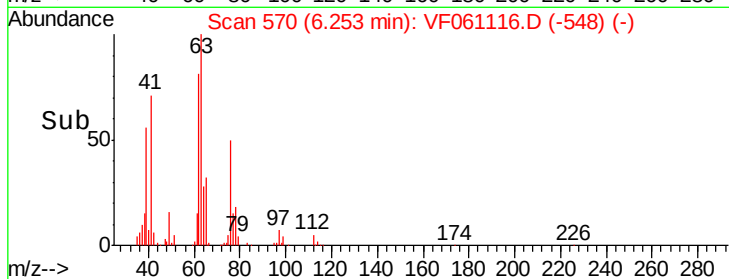
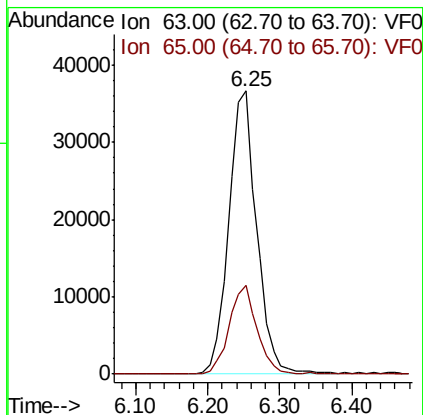
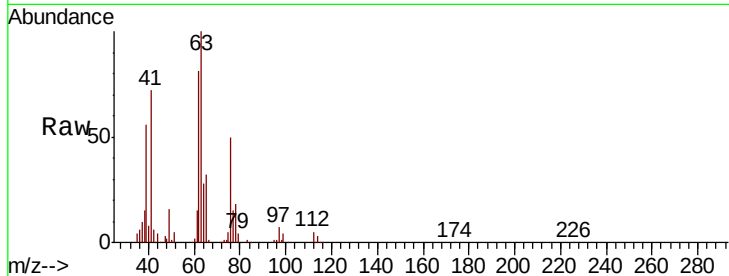
ClientSampleId :

Tot Ion: 63 Resp: 99142

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



#46

Dibromomethane

Concen: 48.216 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

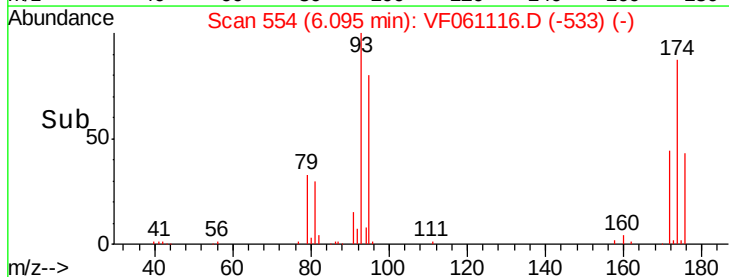
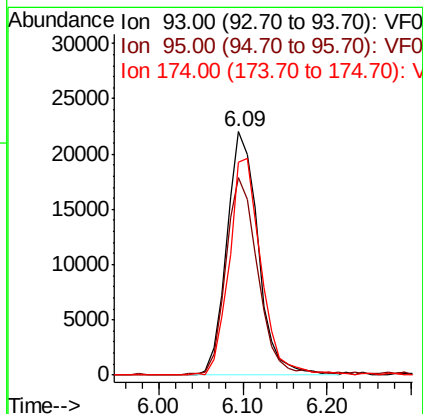
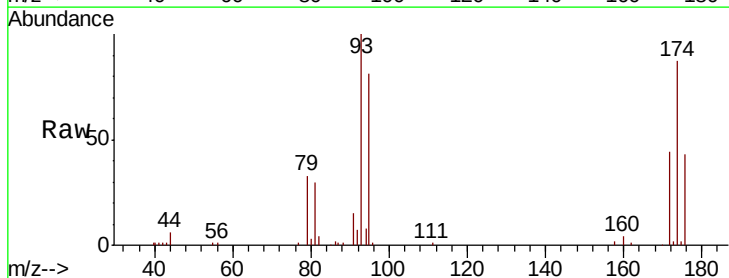
Tgt Ion: 93 Resp: 57275

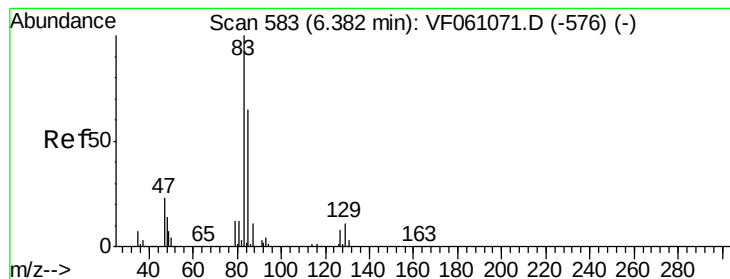
Ion Ratio Lower Upper

93 100

95 81.0 66.9 100.3

174 89.0 74.1 111.1





#47

Bromodichloromethane

Concen: 45.092 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

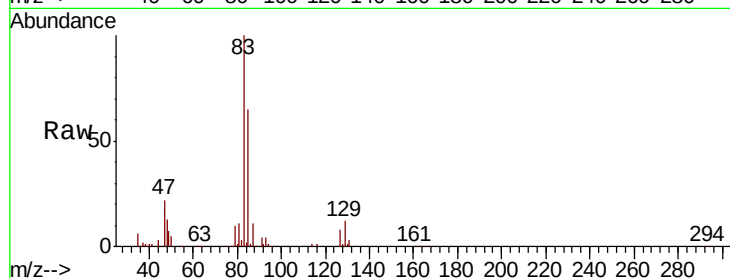
Tot Ion: 83 Resp: 139172

Ion Ratio Lower Upper

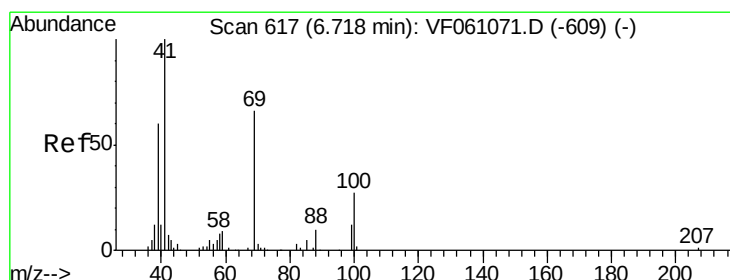
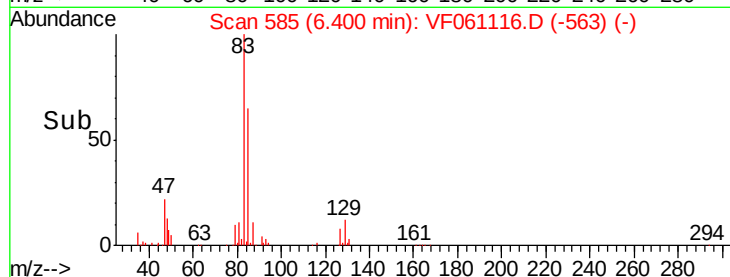
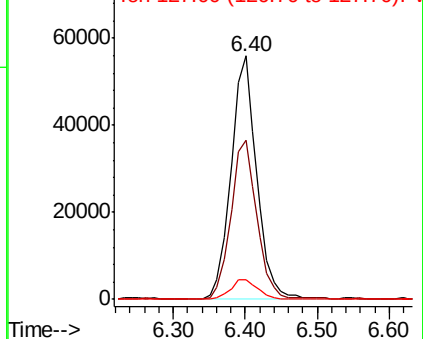
83 100

85 65.1 52.2 78.4

127 8.2 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: 58.411 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

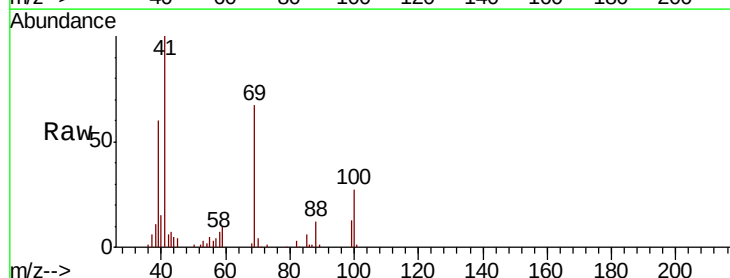
Tgt Ion: 41 Resp: 61634

Ion Ratio Lower Upper

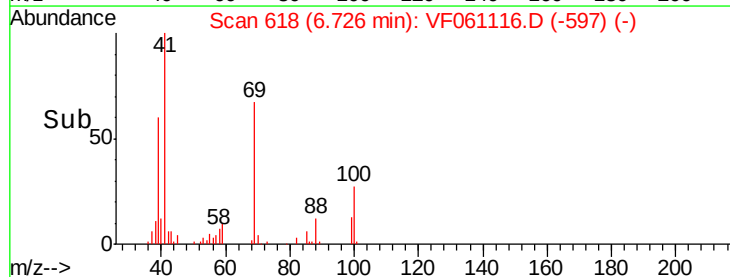
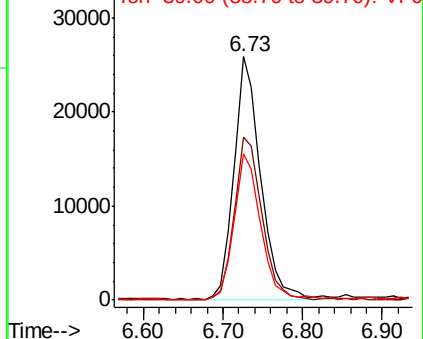
41 100

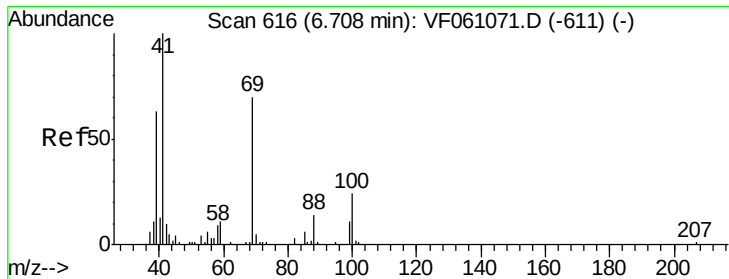
69 66.9 52.7 79.1

39 60.3 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1158.002 ug/l

RT: 6.73 min Scan# 618

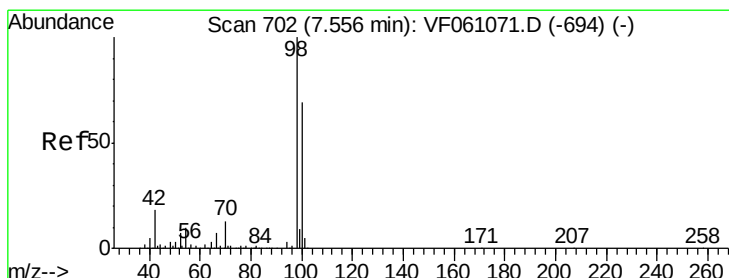
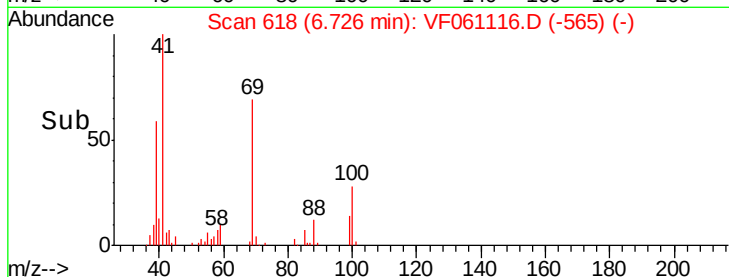
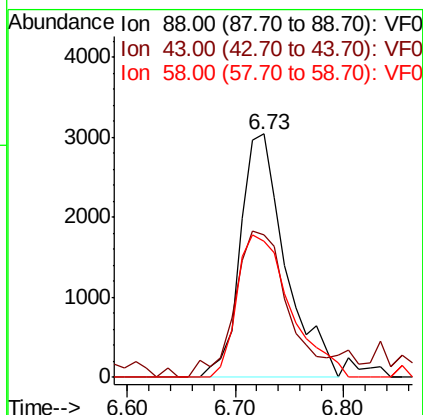
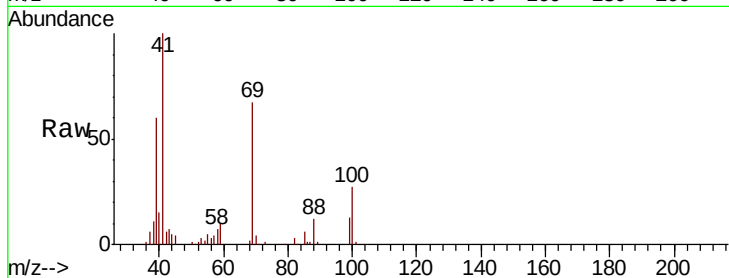
Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	88	Resp:	8866
Ion	Ratio	Lower	Upper
88	100		
43	58.5	33.3	49.9#
58	55.8	53.2	79.8



#50

Toluene-d8

Concen: 48.169 ug/l

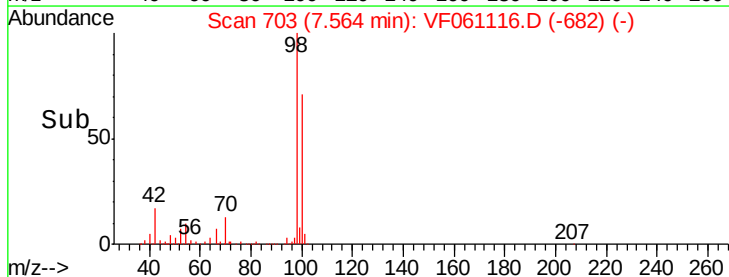
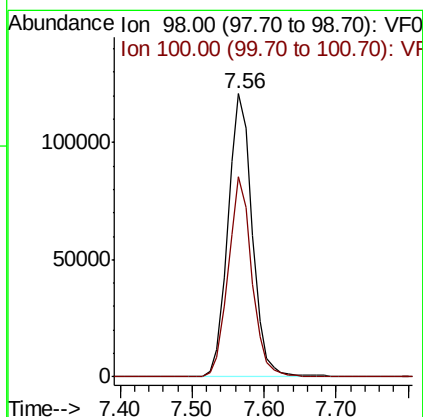
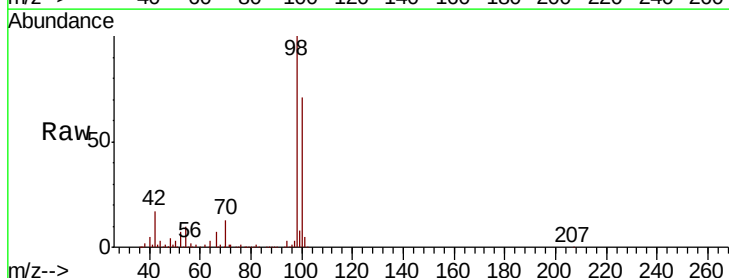
RT: 7.56 min Scan# 703

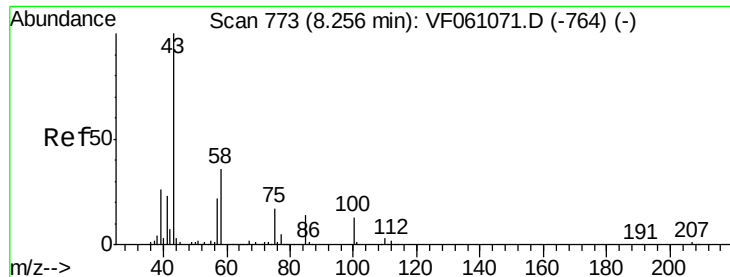
Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Tgt Ion:	98	Resp:	283575
Ion	Ratio	Lower	Upper
98	100		
100	70.6	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 258.187 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

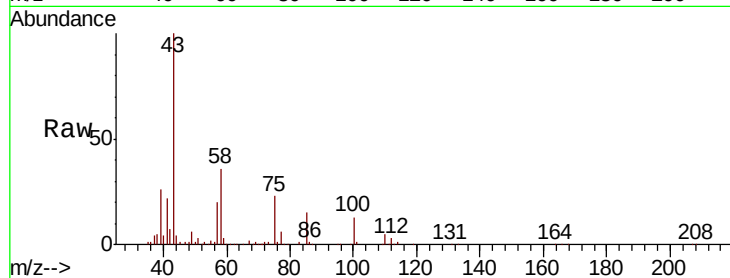
ClientSampleId :

Tot Ion: 43 Resp: 267637

Ion Ratio Lower Upper

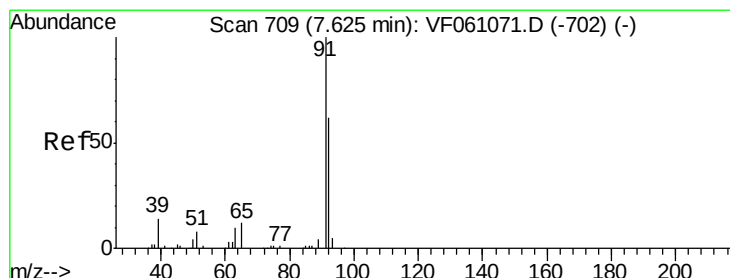
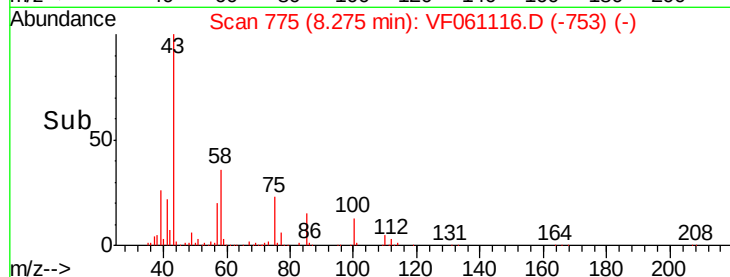
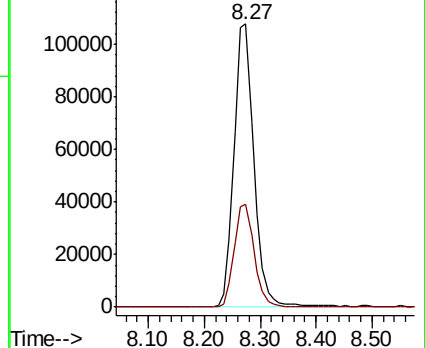
43 100

58 36.1 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.569 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061116.D

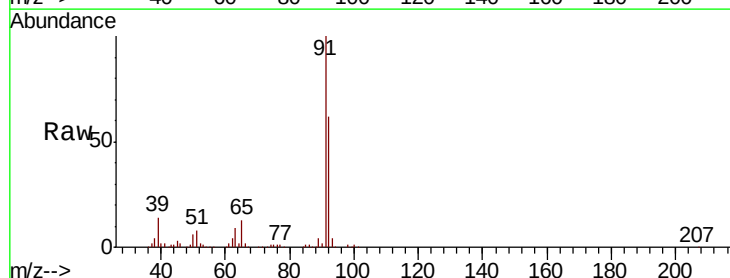
Acq: 20 Dec 2018 19:07

Tgt Ion: 92 Resp: 211973

Ion Ratio Lower Upper

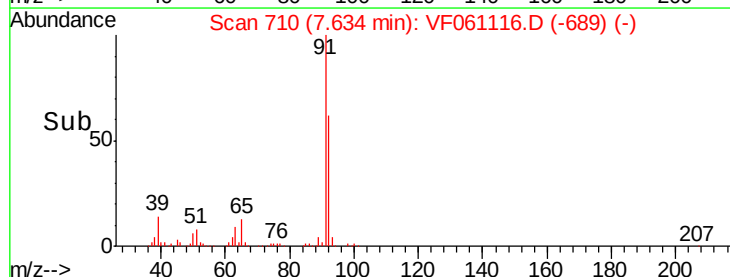
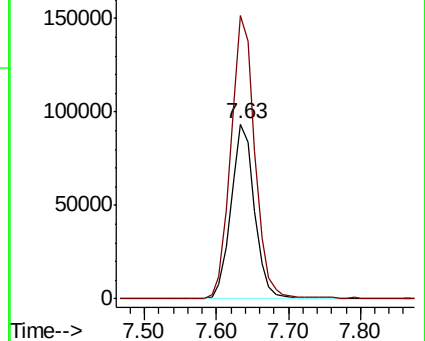
92 100

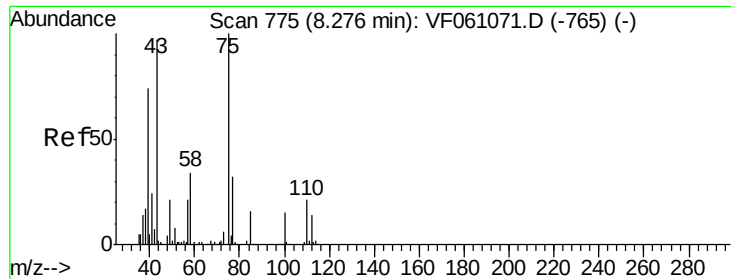
91 161.8 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 40.287 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

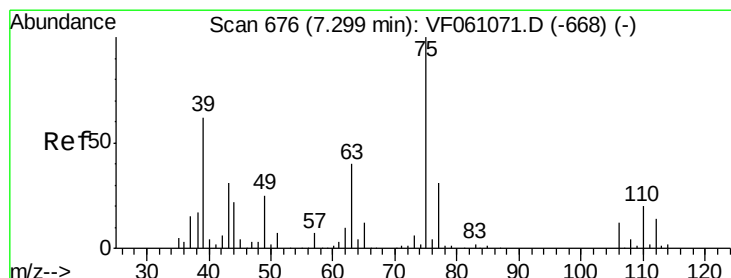
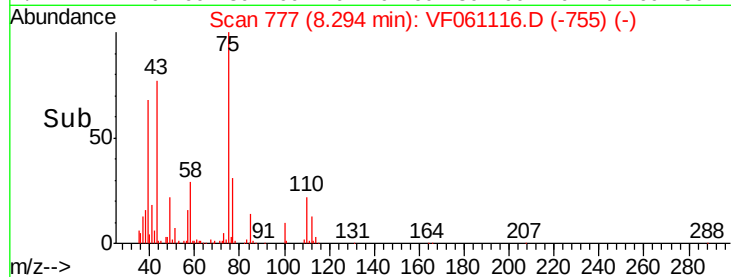
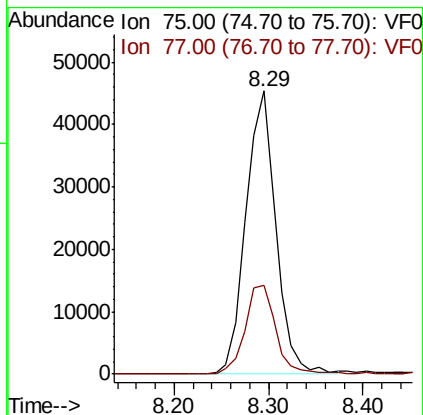
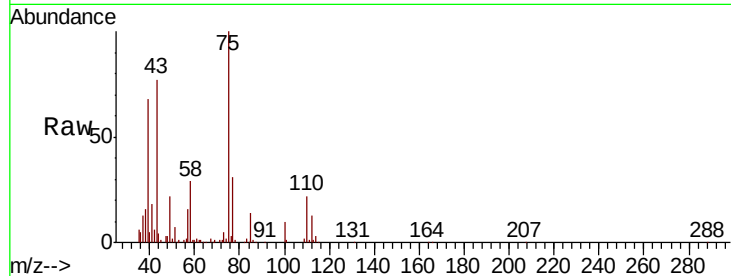
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 100309

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 44.739 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

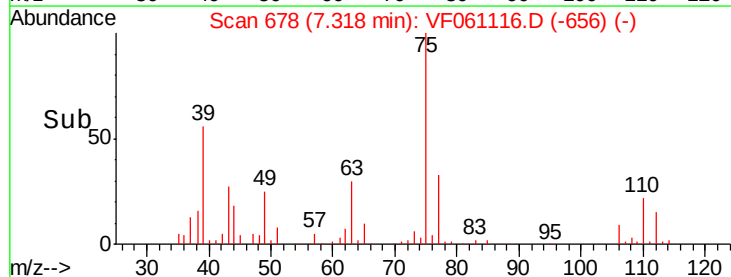
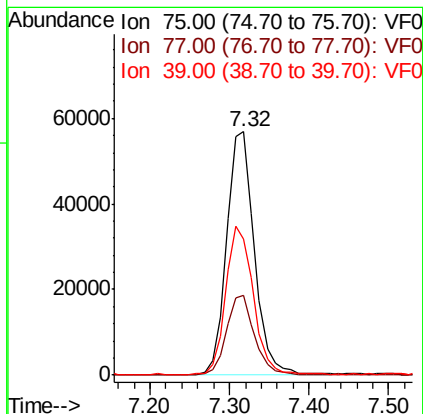
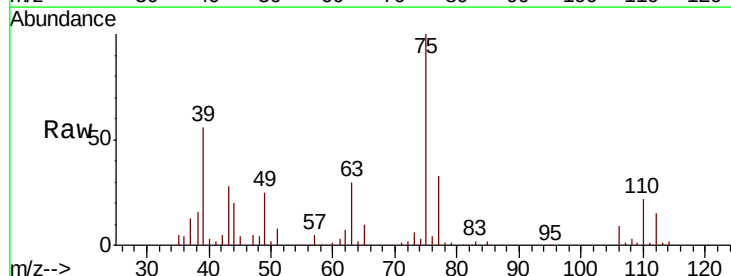
Tgt Ion: 75 Resp: 139807

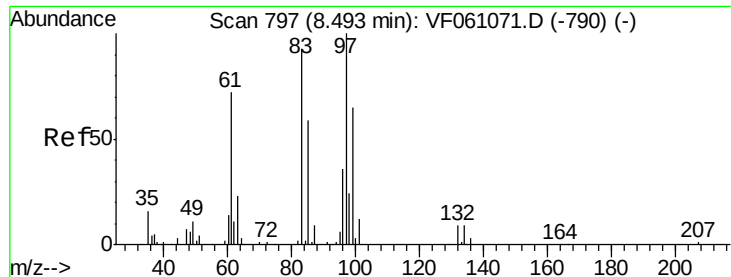
Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4

39 55.8 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 49.304 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 65864

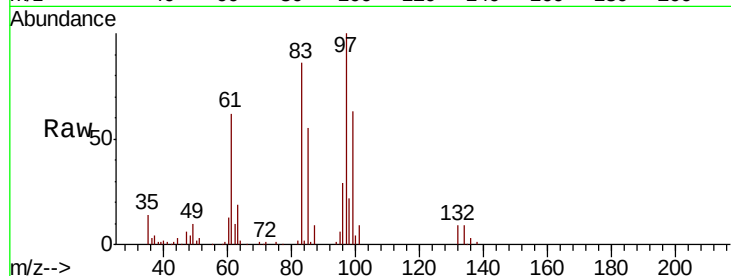
Ion Ratio Lower Upper

97 100

83 86.0 75.0 112.4

85 54.6 47.5 71.3

99 63.4 51.9 77.9

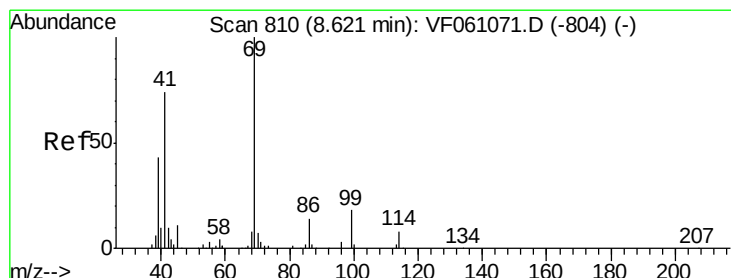
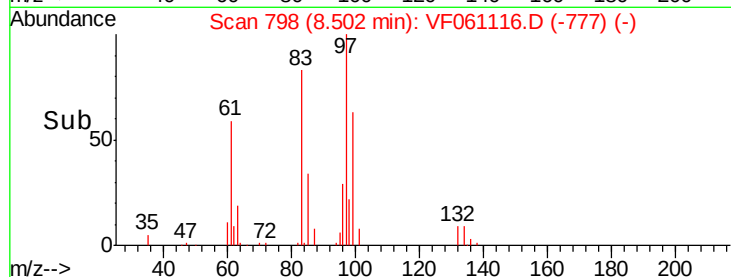
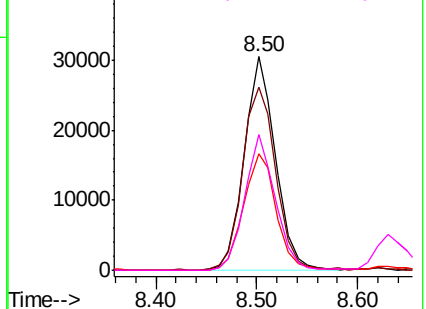


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 39.667 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

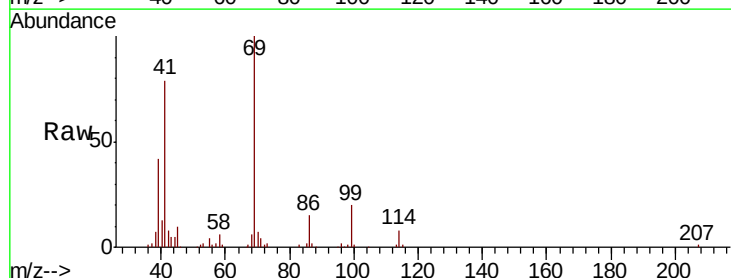
Tgt Ion: 69 Resp: 57339

Ion Ratio Lower Upper

69 100

41 78.6 59.7 89.5

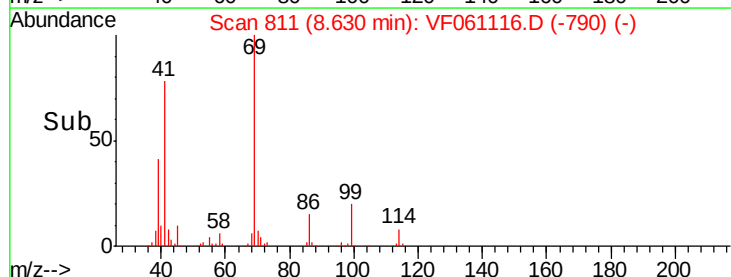
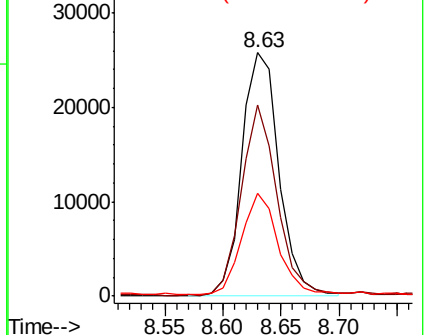
39 42.4 35.0 52.6

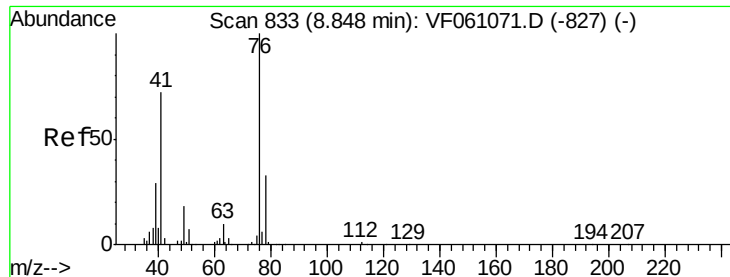


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.134 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

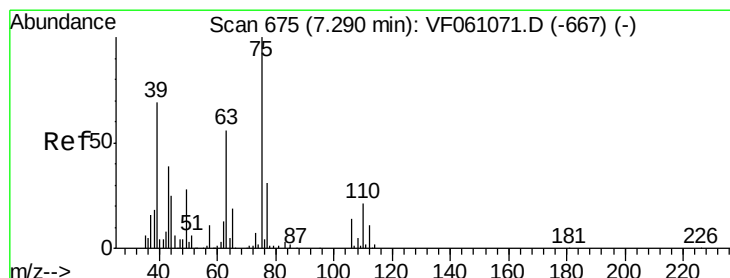
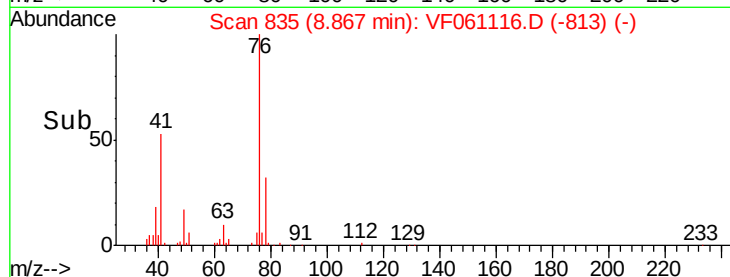
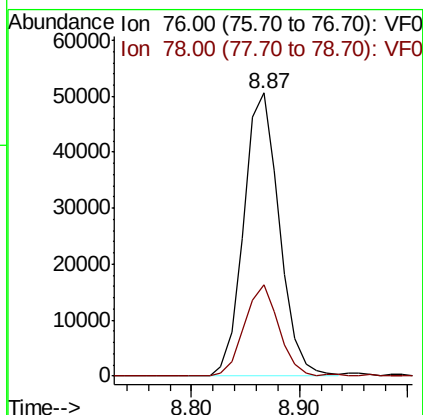
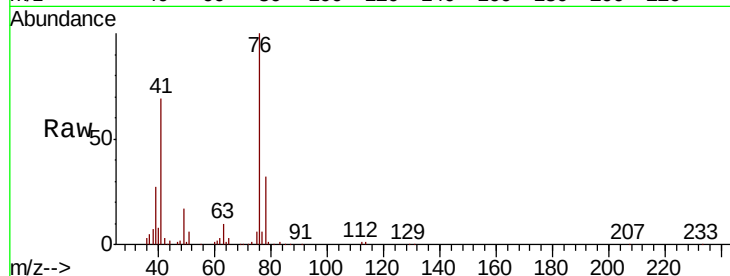
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 116296

Ion Ratio Lower Upper

76 100

78 32.4 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 191.614 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.02 min

Lab File: VF061116.D

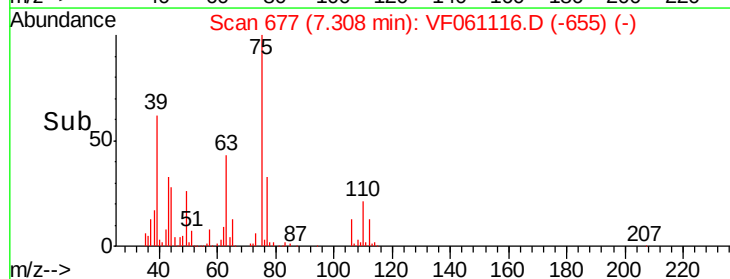
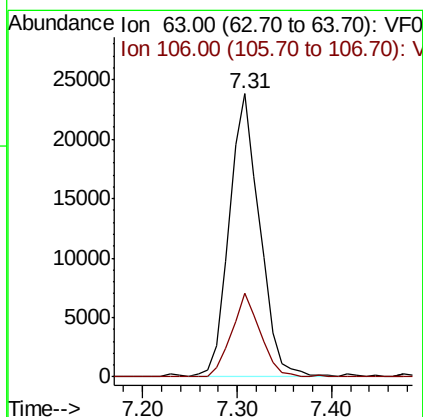
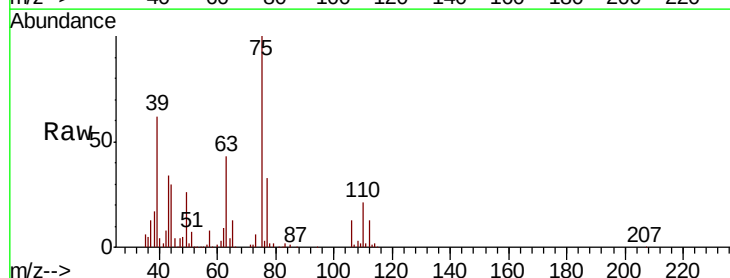
Acq: 20 Dec 2018 19:07

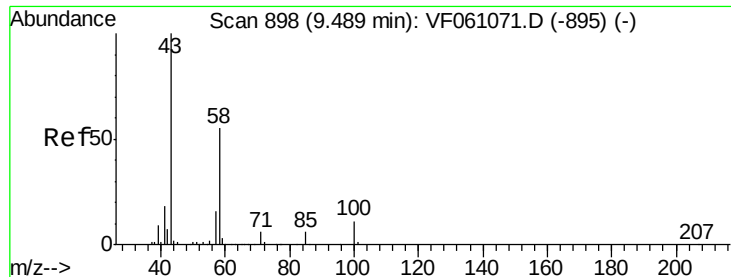
Tgt Ion: 63 Resp: 53196

Ion Ratio Lower Upper

63 100

106 29.4 19.8 29.8

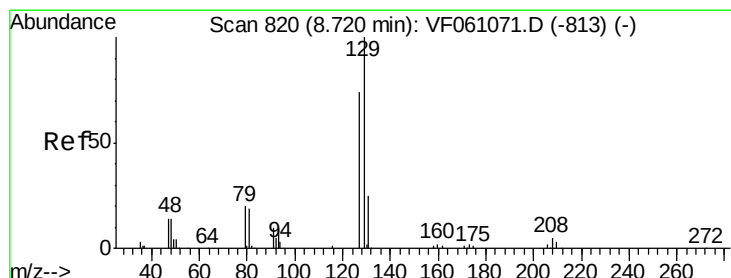
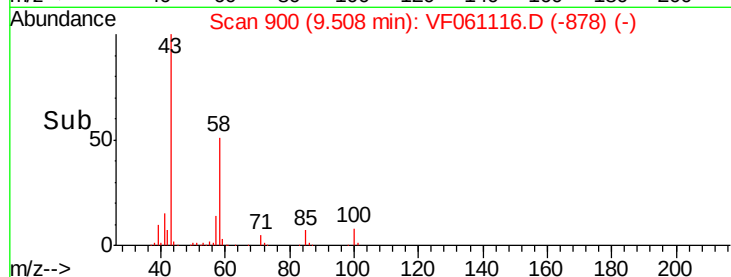
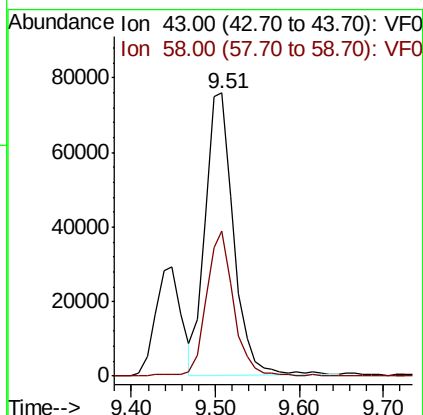
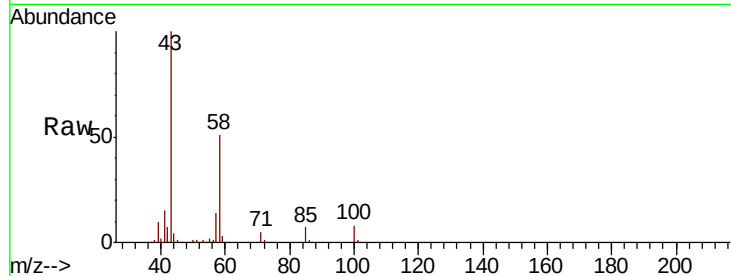




#59
2-Hexanone
Concen: 234.839 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

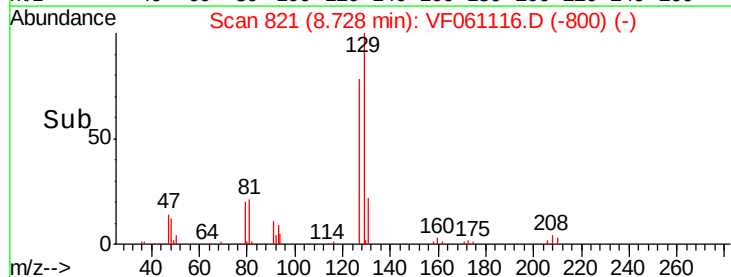
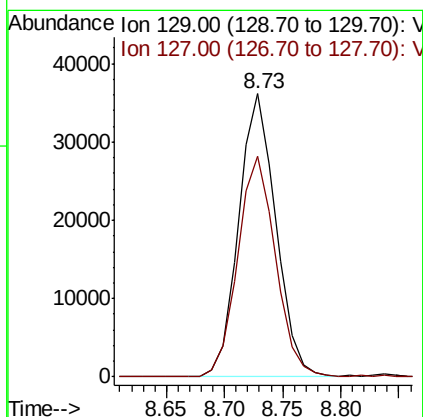
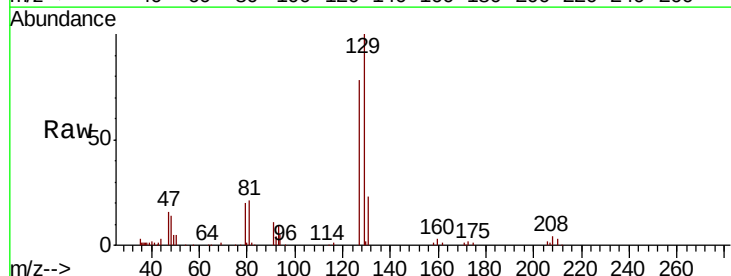
Instrument :
MSVOA_F
ClientSampleId :

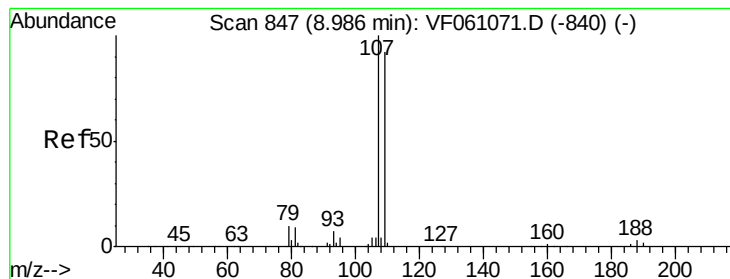
Tot Ion: 43 Resp: 176046
Ion Ratio Lower Upper
43 100
58 51.4 25.1 75.2



#60
Dibromochloromethane
Concen: 41.691 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 129 Resp: 79834
Ion Ratio Lower Upper
129 100
127 78.1 36.8 110.3





#61

1,2-Dibromoethane

Concen: 45.204 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

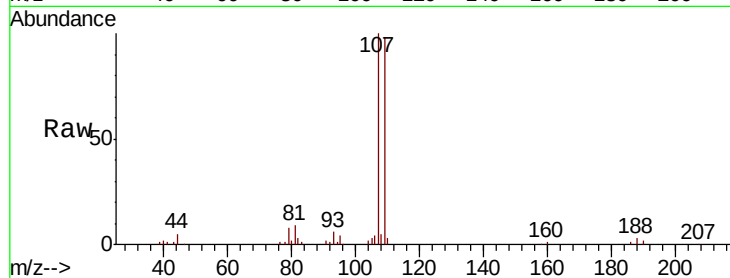
ClientSampleId :

Tot Ion:107 Resp: 64492

Ion Ratio Lower Upper

107 100

109 97.7 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

30000

25000

20000

15000

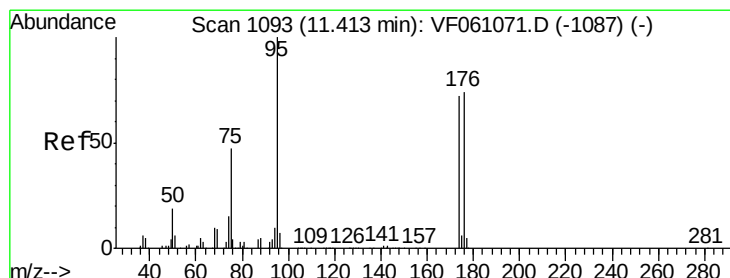
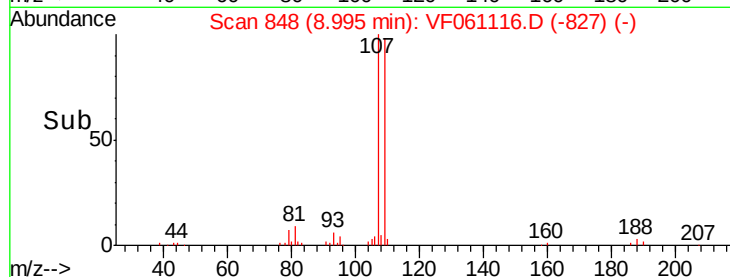
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 35.230 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

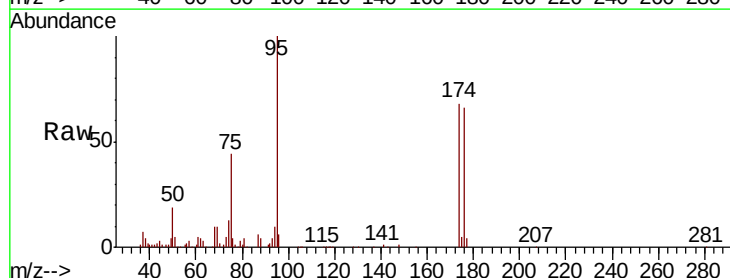
Tgt Ion: 95 Resp: 95616

Ion Ratio Lower Upper

95 100

174 67.9 0.0 143.8

176 66.3 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.42

60000

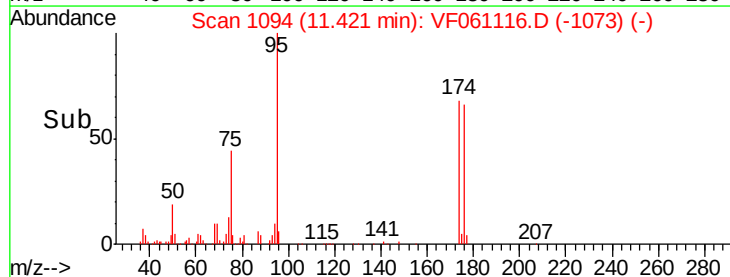
40000

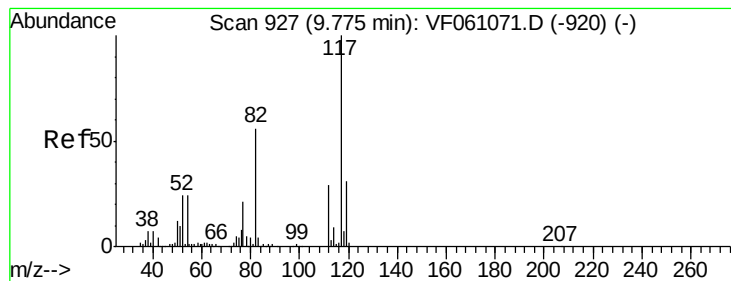
20000

0

Time-->

11.30 11.40 11.50 11.60





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampled :

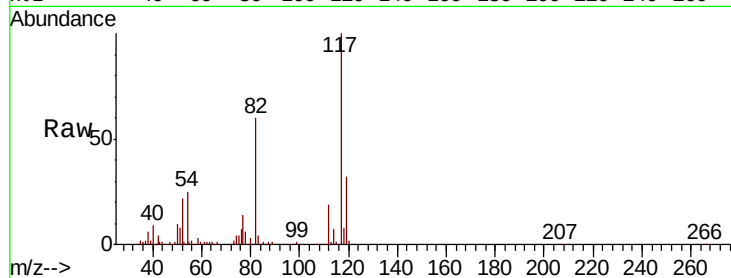
Tot Ion:117 Resp: 195419

Ion Ratio Lower Upper

117 100

82 59.9 45.0 67.4

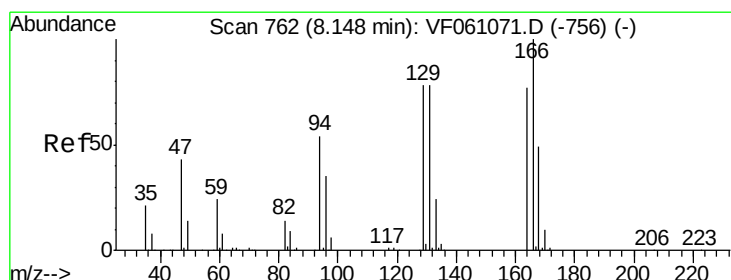
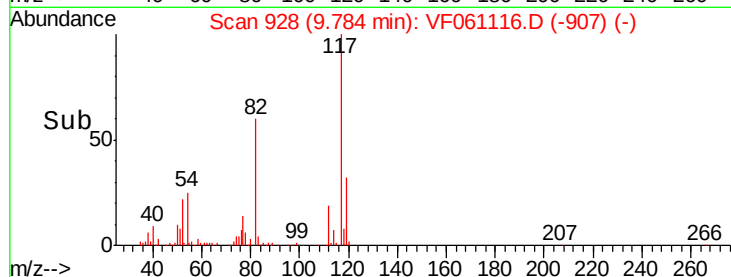
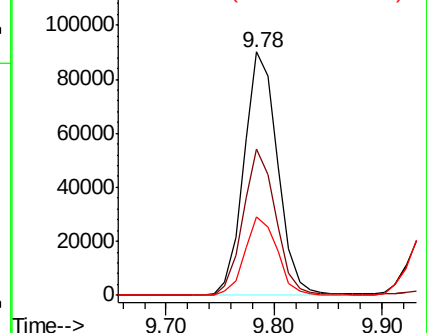
119 32.5 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 46.144 ug/l

RT: 8.17 min Scan# 764

Delta R.T. 0.02 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Tgt Ion:164 Resp: 69367

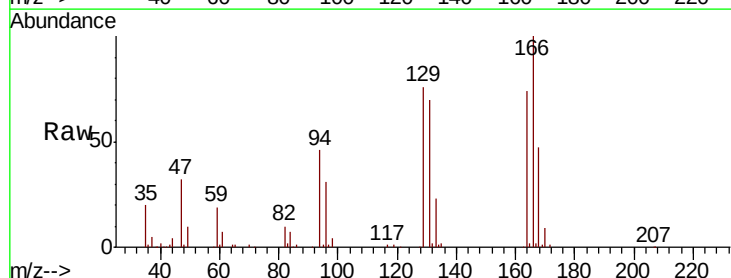
Ion Ratio Lower Upper

164 100

166 135.0 104.0 156.0

129 103.2 81.1 121.7

131 94.9 81.2 121.8

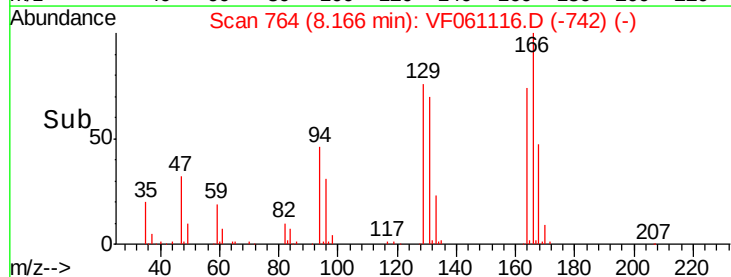
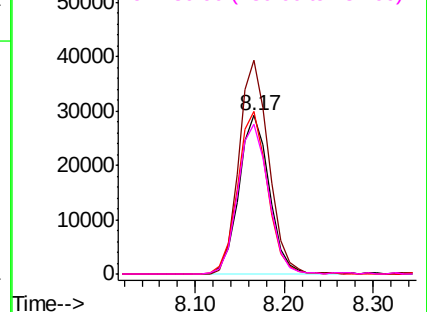


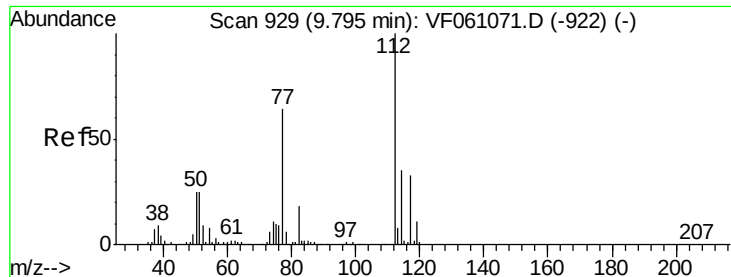
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

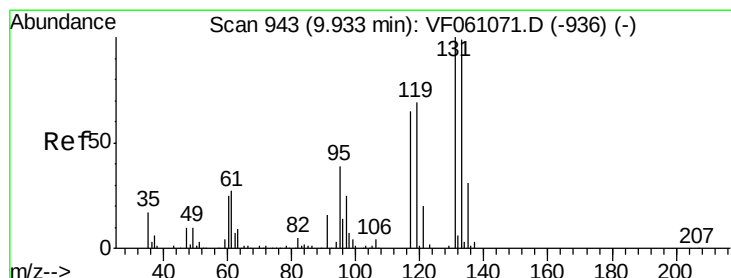
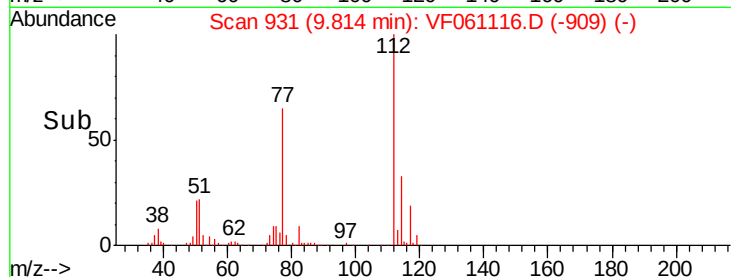
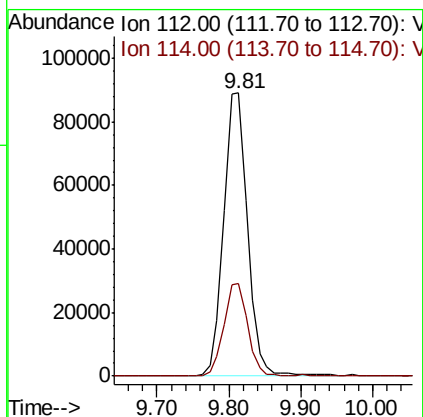
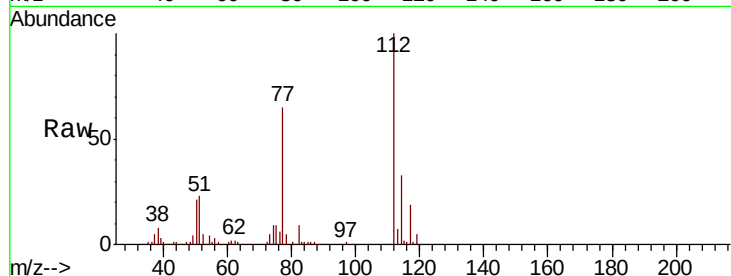




#65
Chlorobenzene
Concen: 50.755 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

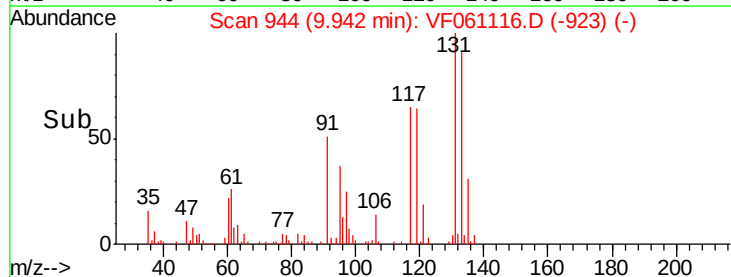
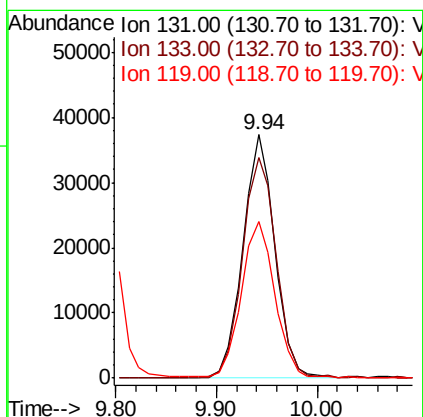
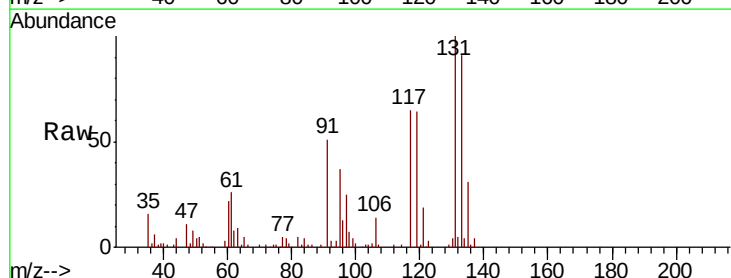
Instrument :
MSVOA_F
ClientSampled :

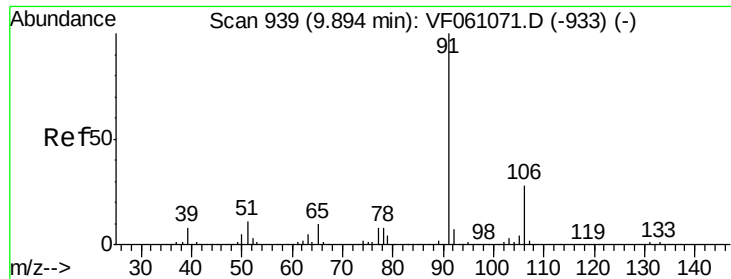
Tot Ion:112 Resp: 204901
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.937 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion:131 Resp: 82386
Ion Ratio Lower Upper
131 100
133 90.8 49.5 148.7
119 64.3 34.5 103.5

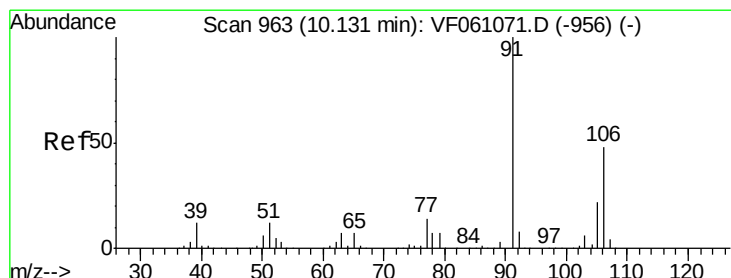
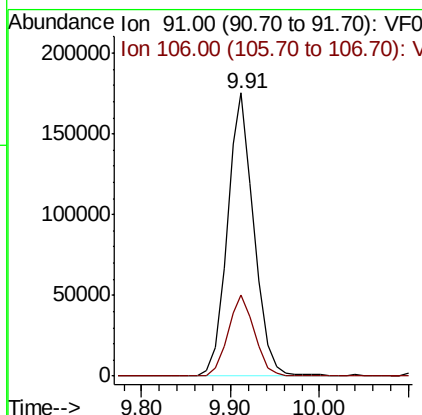
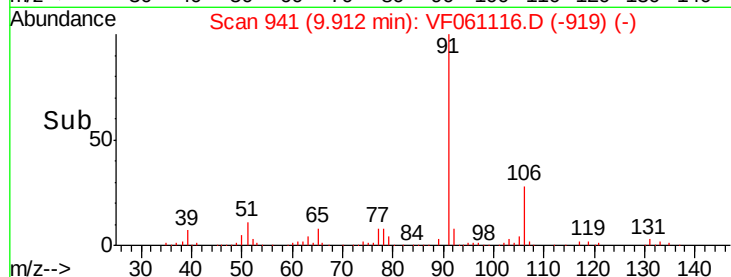
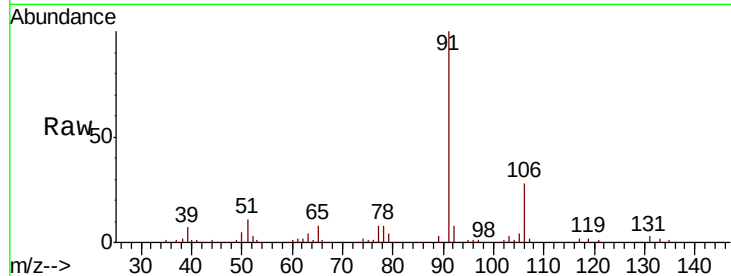




#67
Ethyl Benzene
Concen: 49.837 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

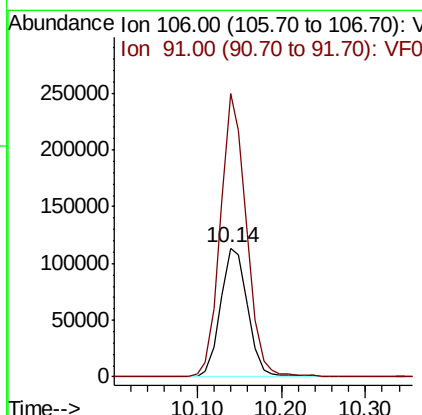
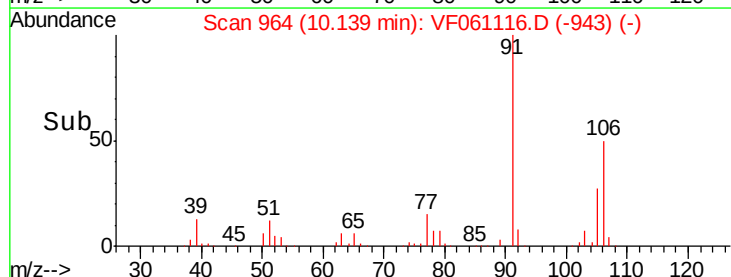
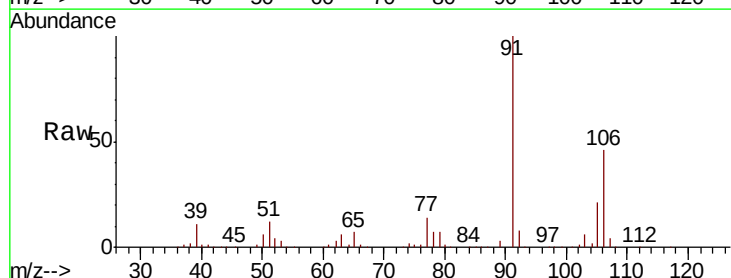
Instrument :
MSVOA_F
ClientSampled :

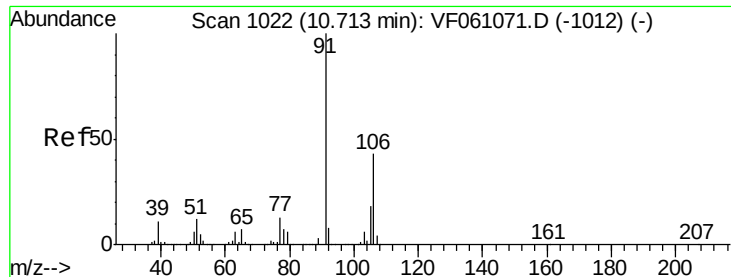
Tot Ion: 91 Resp: 366540
Ion Ratio Lower Upper
91 100
106 28.5 22.5 33.7



#68
m/p-Xylenes
Concen: 98.205 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 106 Resp: 254188
Ion Ratio Lower Upper
106 100
91 219.3 168.2 252.2

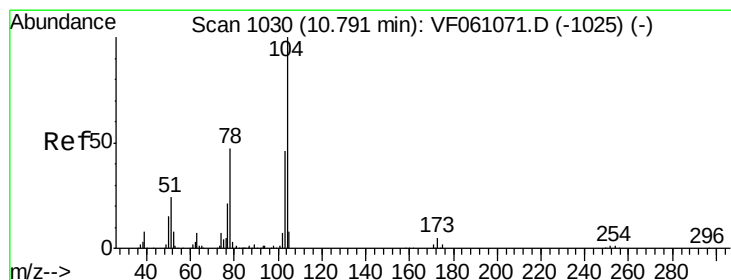
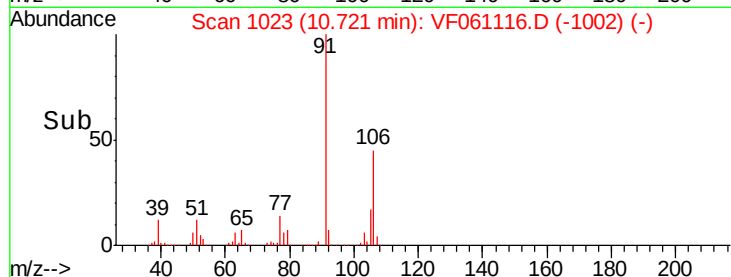
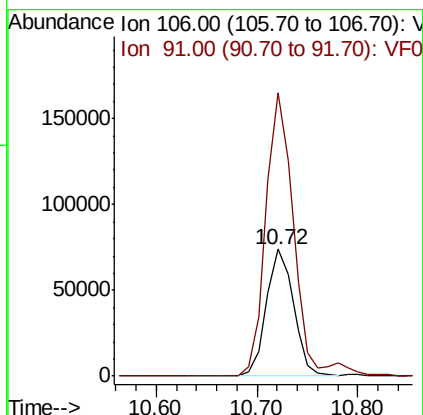
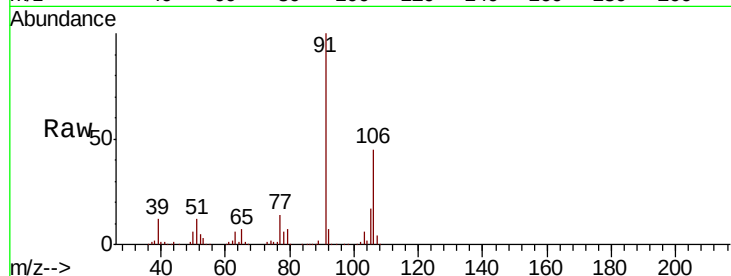




#69
o-Xylene
Concen: 48.521 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

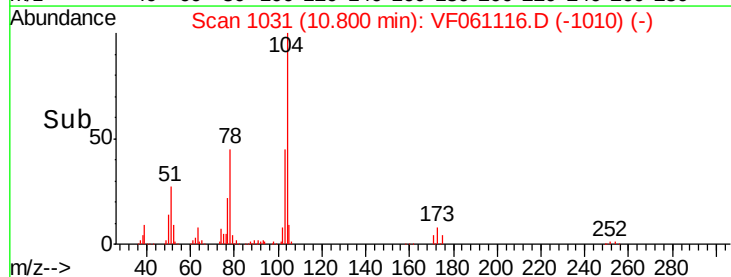
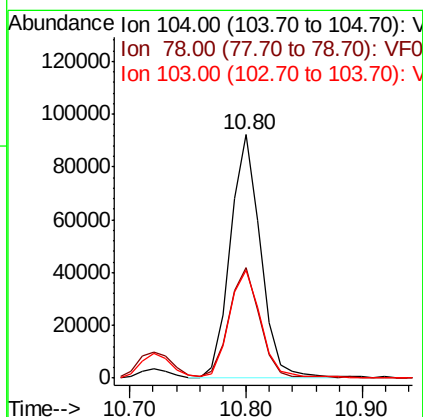
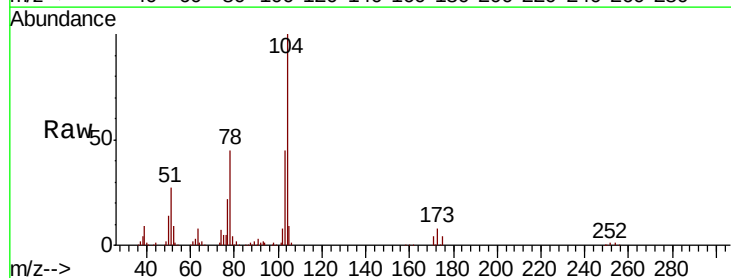
Instrument :
MSVOA_F
ClientSampled :

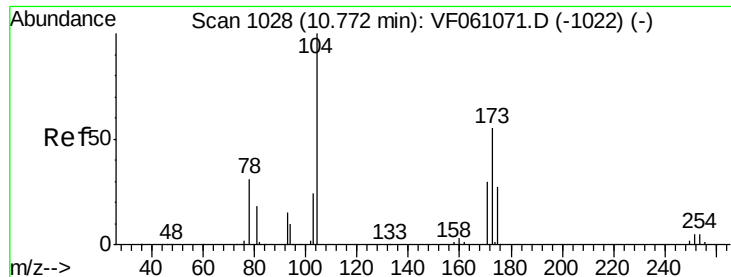
Tot Ion:106 Resp: 139286
Ion Ratio Lower Upper
106 100
91 223.3 115.9 347.7



#70
Styrene
Concen: 46.659 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion:104 Resp: 164355
Ion Ratio Lower Upper
104 100
78 45.3 38.4 57.6
103 44.6 37.0 55.6





#71

Bromoform

Concen: 46.347 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

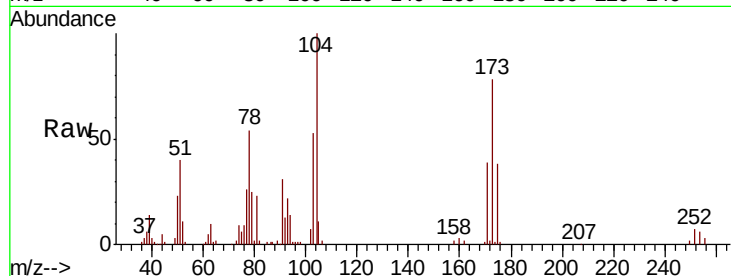
Tot Ion:173 Resp: 35375

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.4

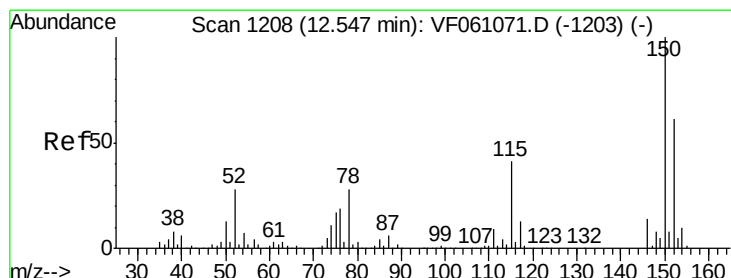
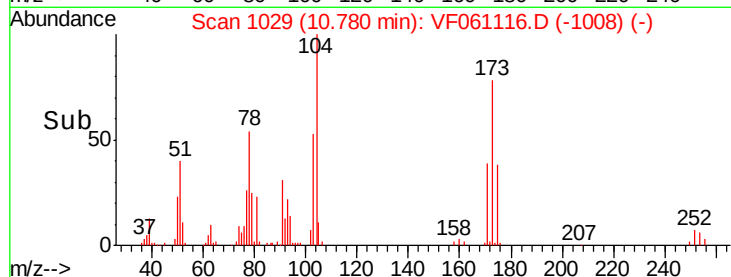
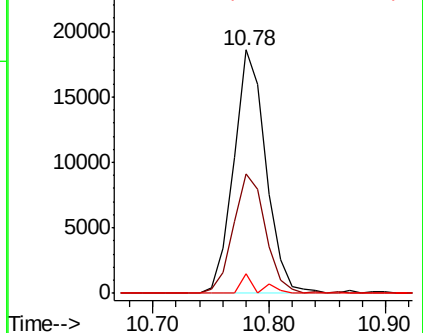
254 8.0 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

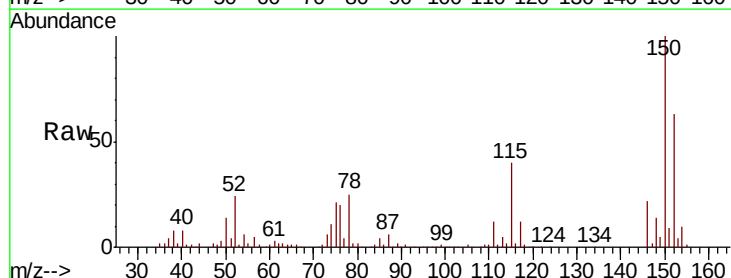
Tgt Ion:152 Resp: 70255

Ion Ratio Lower Upper

152 100

115 63.0 33.3 99.9

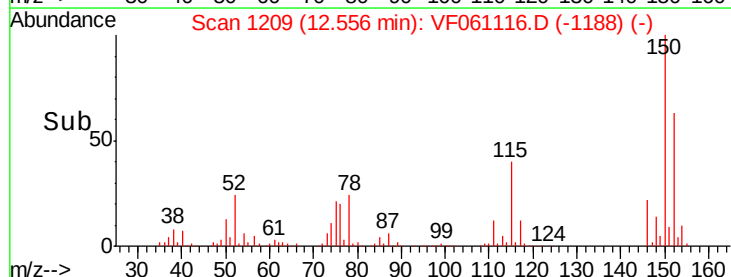
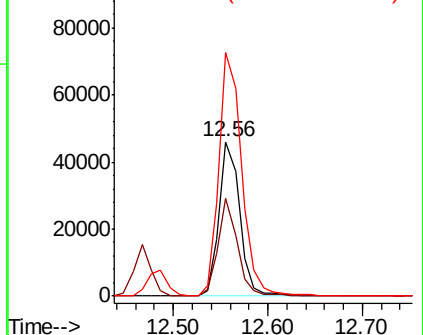
150 158.0 0.0 328.2

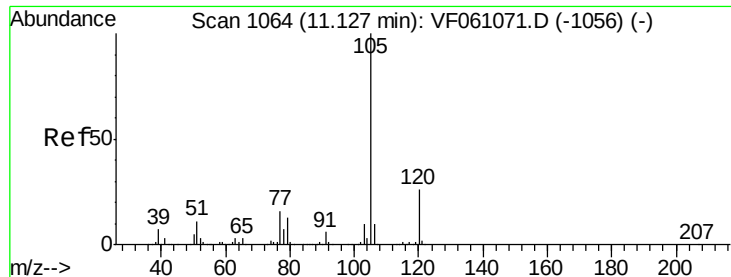


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 60.747 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

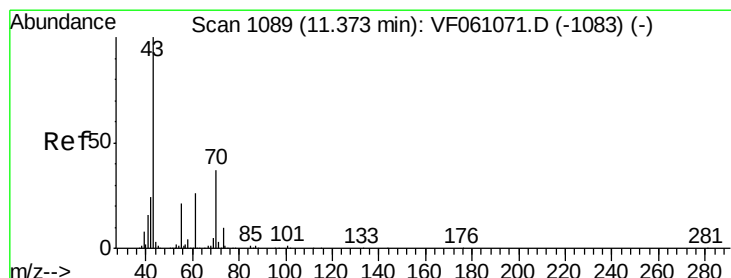
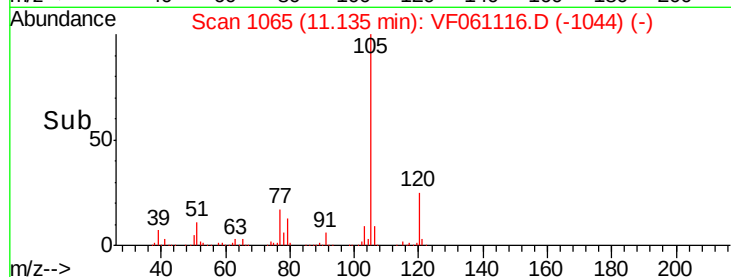
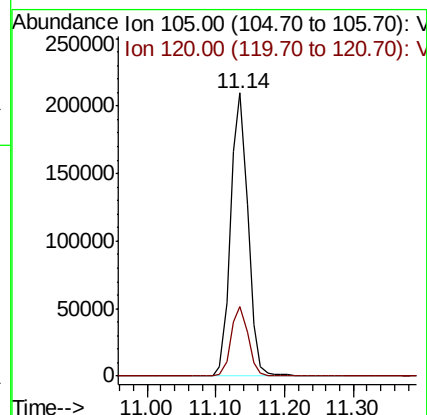
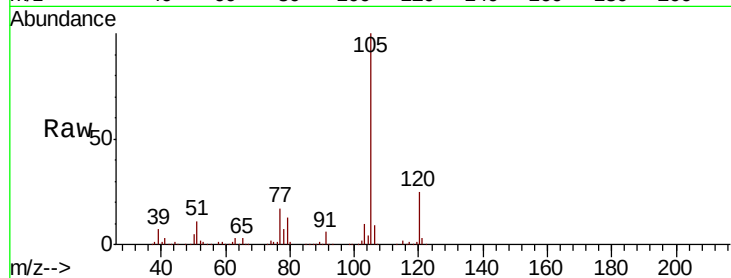
ClientSampleId :

Tot Ion:105 Resp: 367780

Ion Ratio Lower Upper

105 100

120 24.6 13.0 39.0



#74

N-ethyl acetate

Concen: 48.560 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Tgt Ion: 43 Resp: 65272

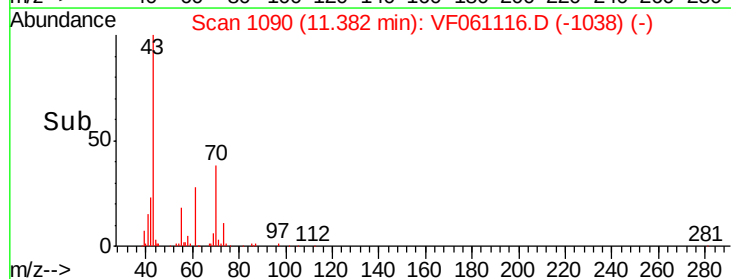
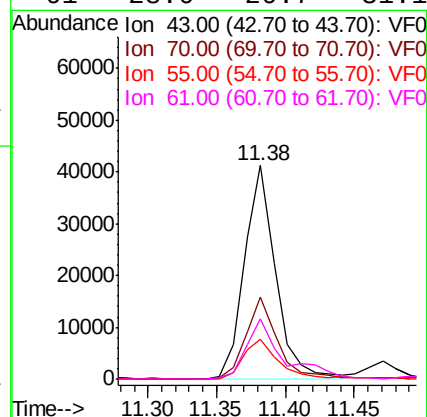
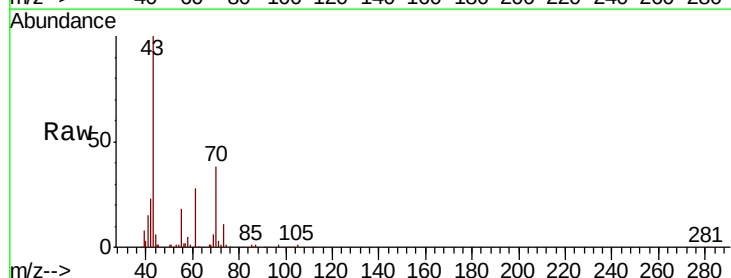
Ion Ratio Lower Upper

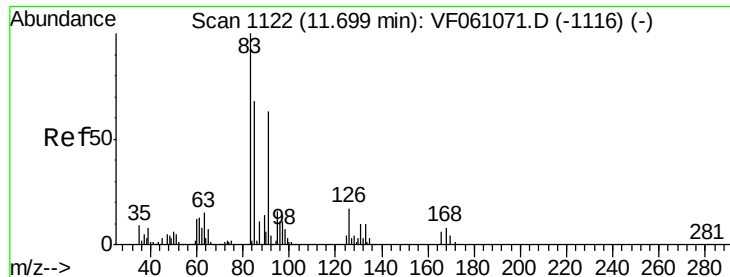
43 100

70 38.3 29.2 43.8

55 18.3 16.5 24.7

61 28.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 71.531 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

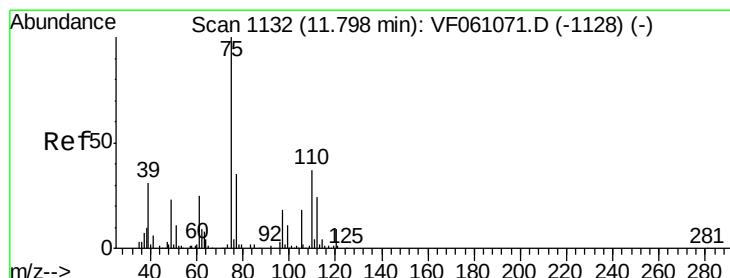
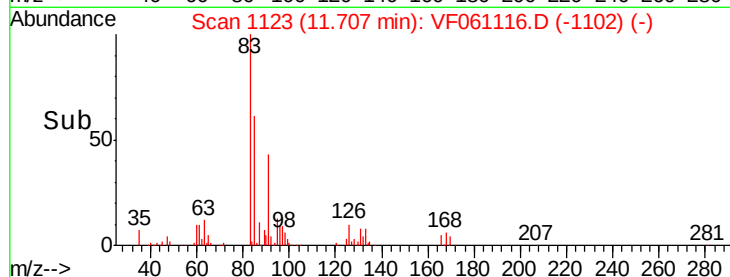
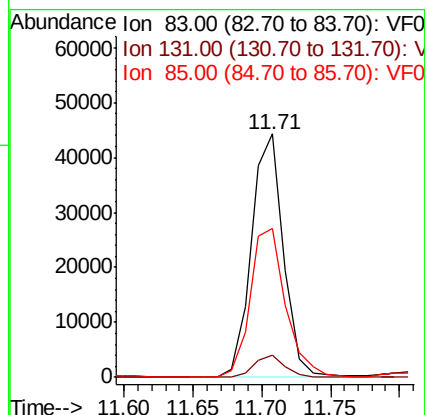
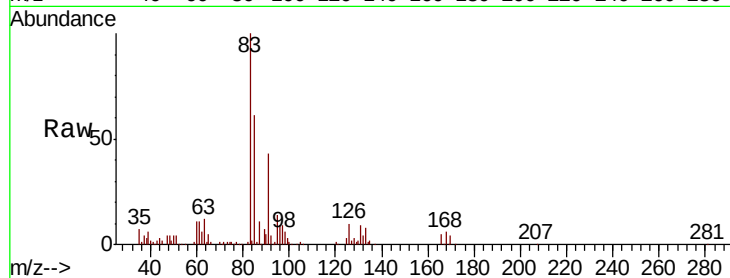
Tot Ion: 83 Resp: 71875

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

85 61.4 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 78.144 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF061116.D

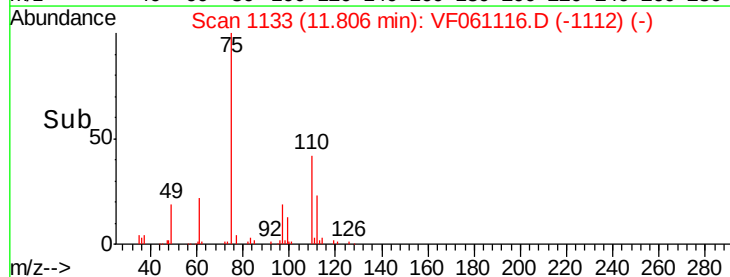
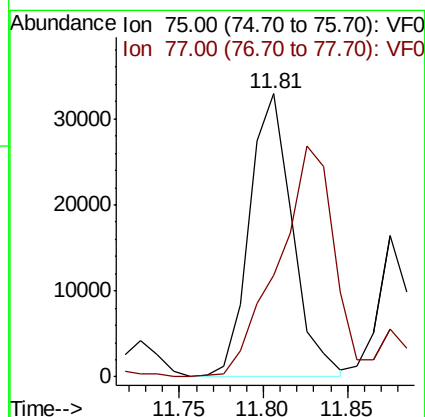
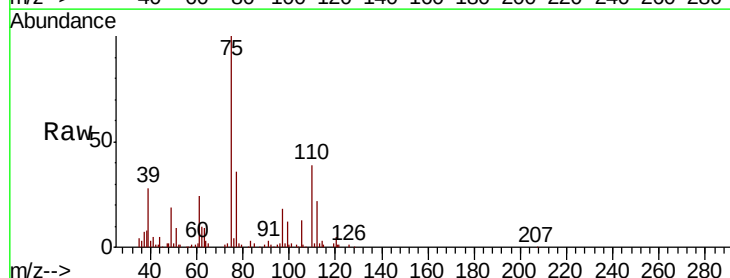
Acq: 20 Dec 2018 19:07

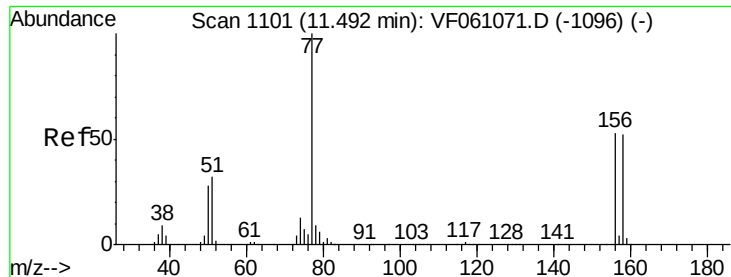
Tgt Ion: 75 Resp: 58434

Ion Ratio Lower Upper

75 100

77 36.1 17.6 52.9





#77

Bromobenzene

Concen: 59.112 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

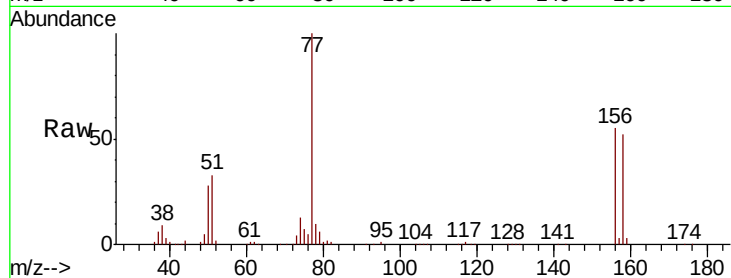
Tot Ion:156 Resp: 77039

Ion Ratio Lower Upper

156 100

77 180.8 93.8 281.4

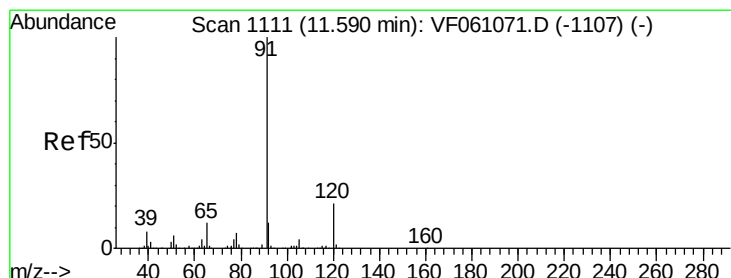
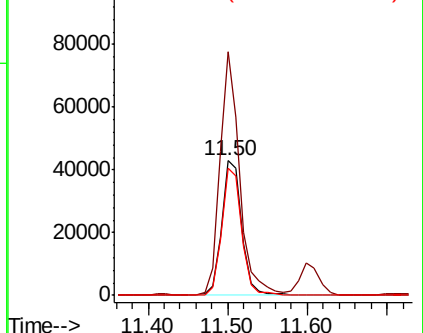
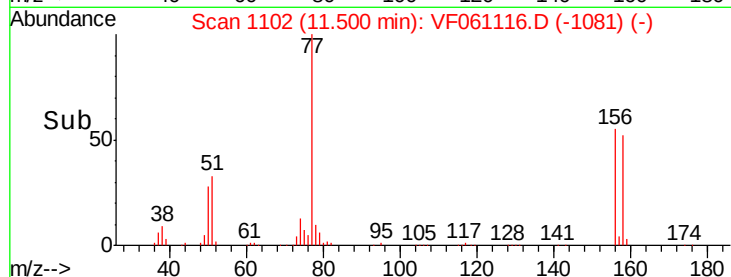
158 94.7 48.9 146.8



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: 60.378 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061116.D

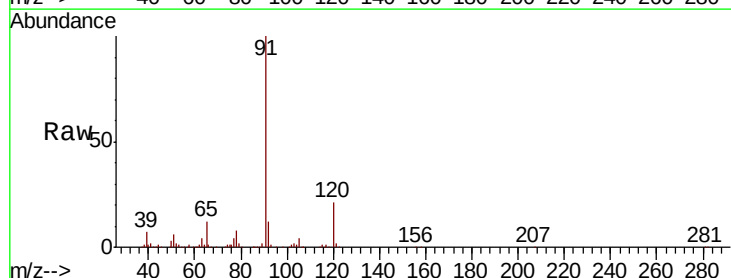
Acq: 20 Dec 2018 19:07

Tgt Ion: 91 Resp: 402755

Ion Ratio Lower Upper

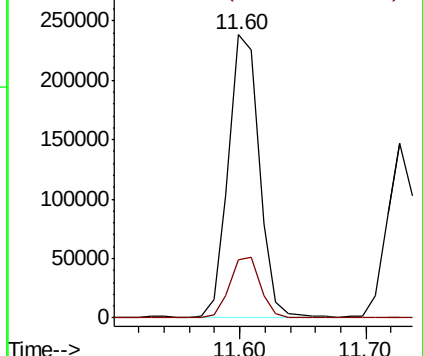
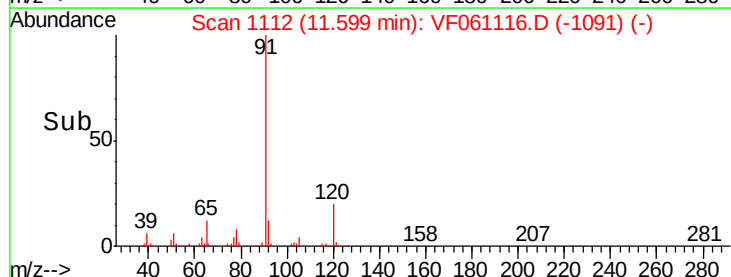
91 100

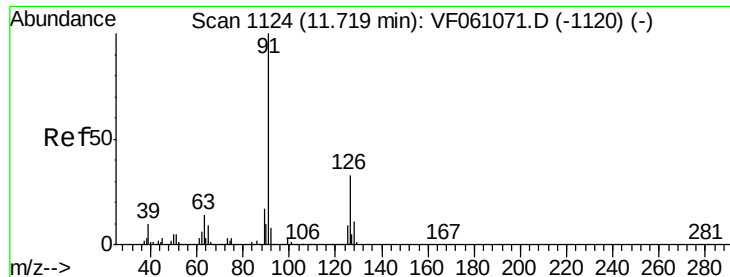
120 20.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

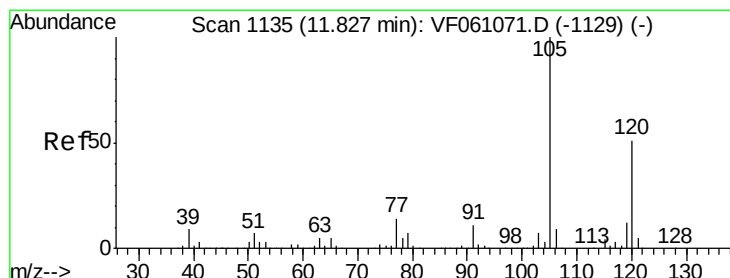
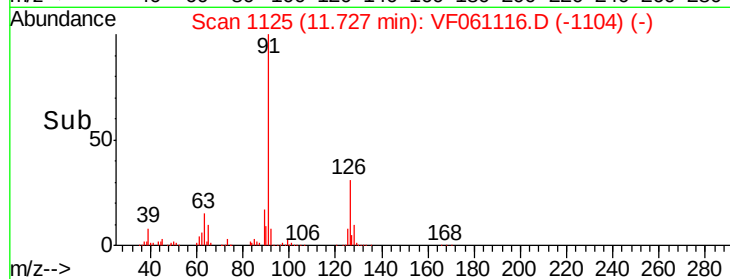
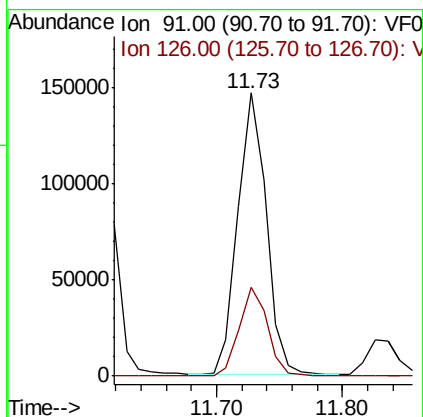
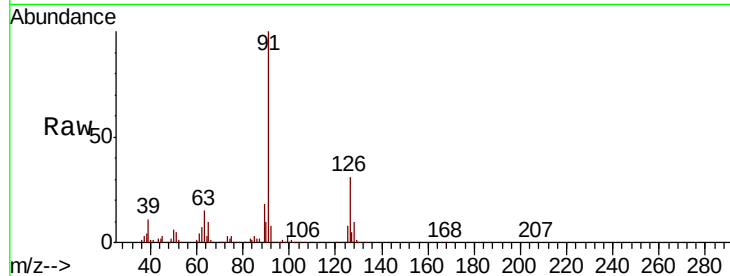




#79
 2-Chlorotoluene
 Concen: 55.454 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

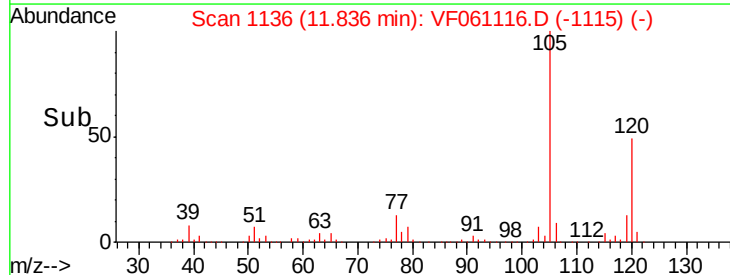
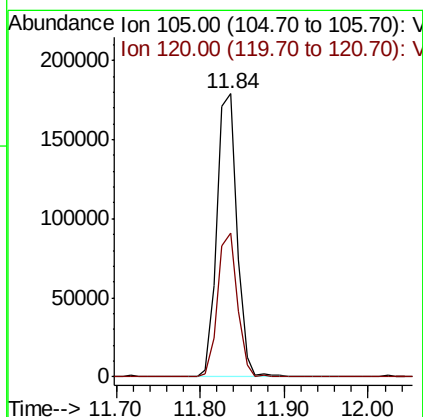
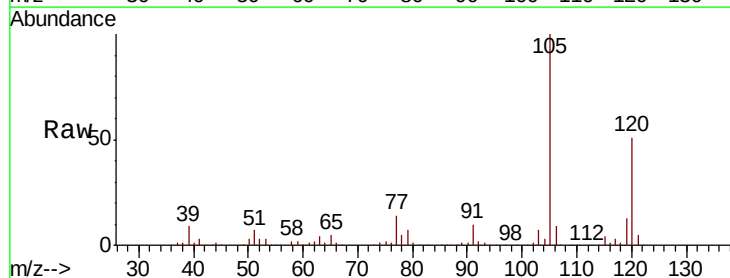
Instrument :
 MSVOA_F
 ClientSampleId :

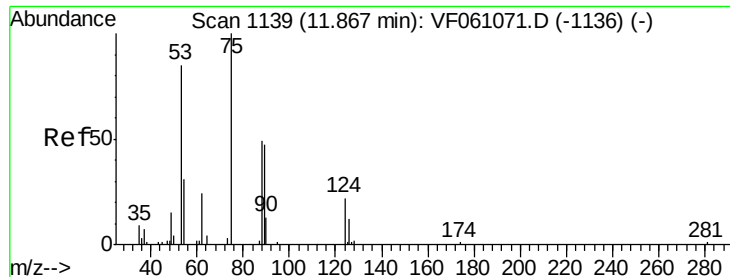
Tot Ion: 91 Resp: 230314
 Ion Ratio Lower Upper
 91 100
 126 31.2 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 59.990 ug/l
 RT: 11.84 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion: 105 Resp: 299061
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.4

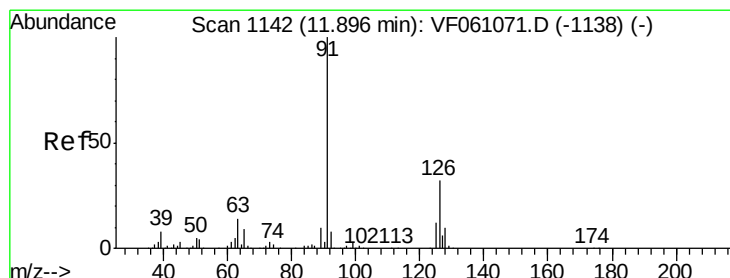
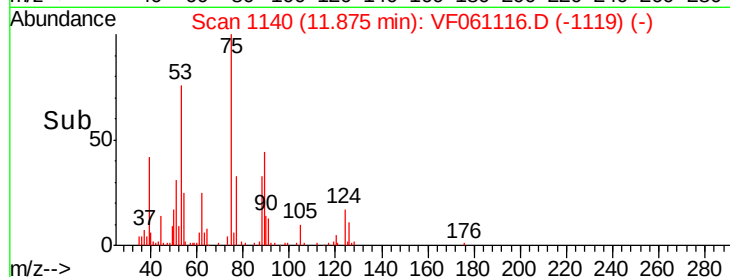
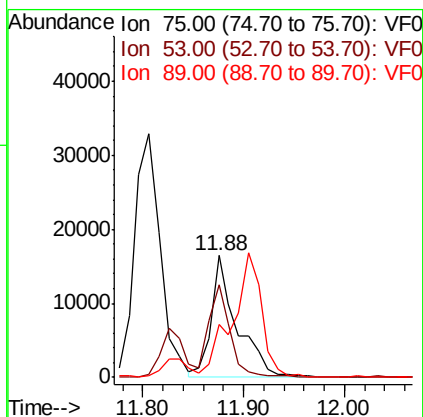
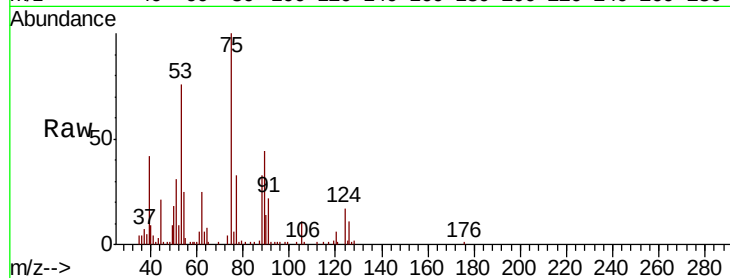




#81
trans-1,4-Dichloro-2-butene
Concen: 91.941 ug/l
RT: 11.88 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

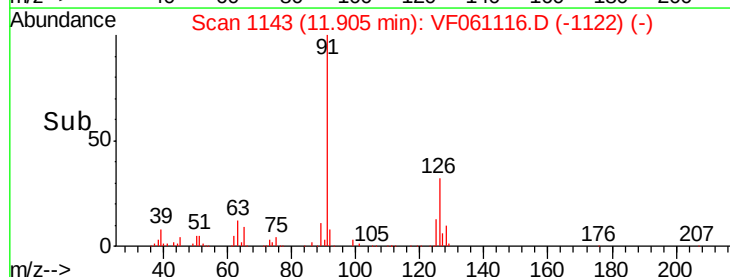
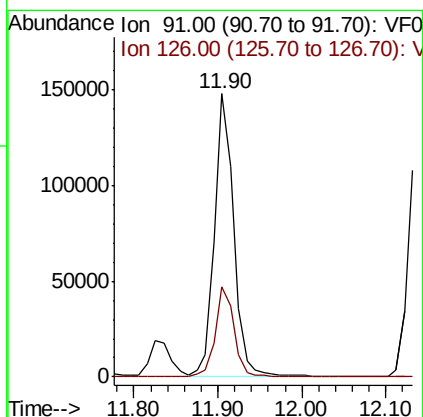
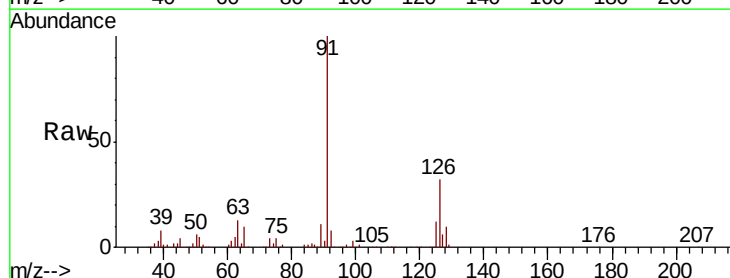
Instrument :
MSVOA_F
ClientSampleId :

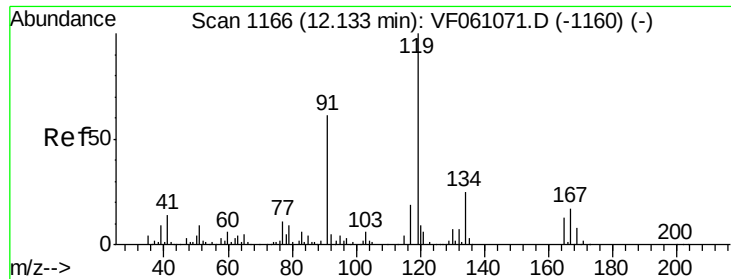
Tot Ion: 75 Resp: 29543
Ion Ratio Lower Upper
75 100
53 76.0 74.1 111.1
89 43.6 42.6 64.0



#82
4-Chlorotoluene
Concen: 54.213 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 91 Resp: 232921
Ion Ratio Lower Upper
91 100
126 31.8 16.0 47.9

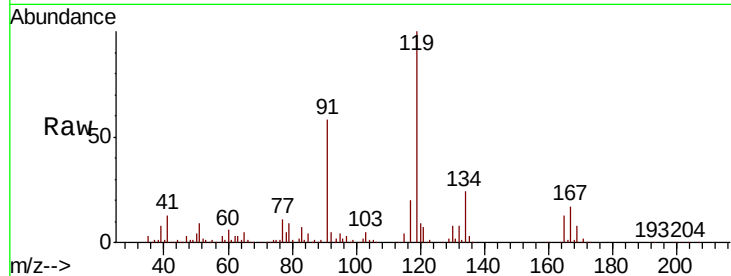




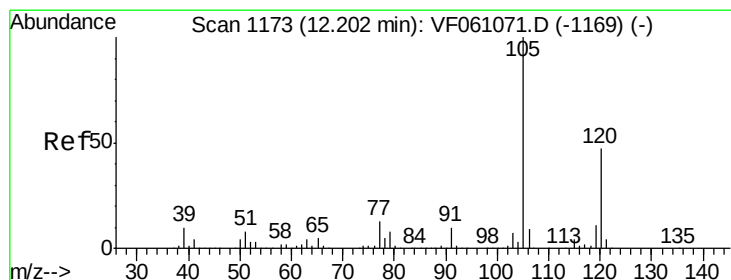
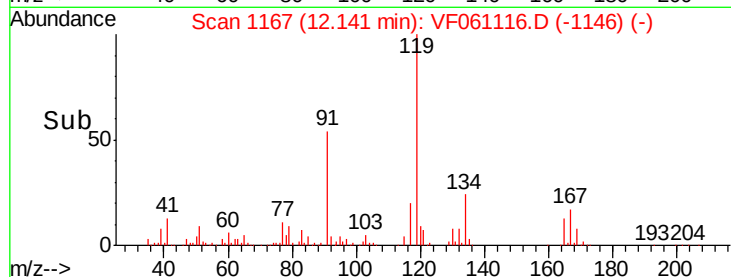
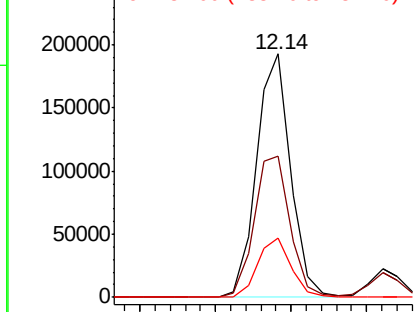
#83
 tert-Butylbenzene
 Concen: 59.170 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.0	30.5	91.5
134	24.5	12.4	37.4

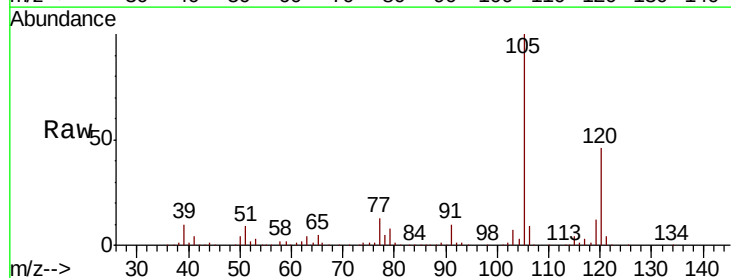


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

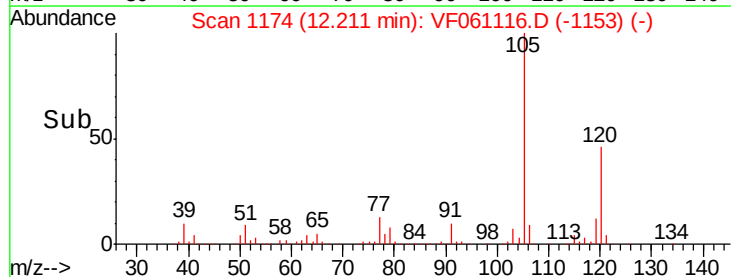
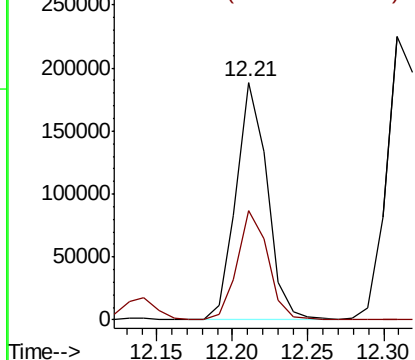


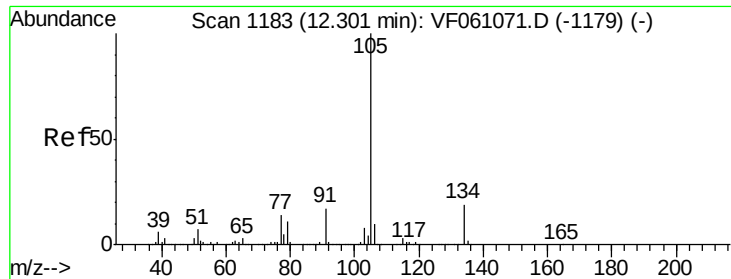
#84
 1,2,4-Trimethylbenzene
 Concen: 54.470 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.6	71.0



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





#85

sec-Butylbenzene

Concen: 52.954 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

Instrument :

MSVOA_F

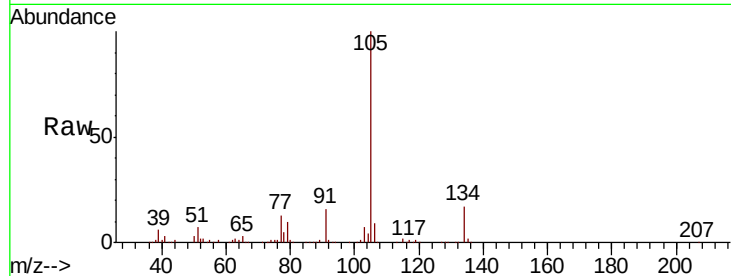
ClientSampleId :

Tot Ion:105 Resp: 354506

Ion Ratio Lower Upper

105 100

134 17.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

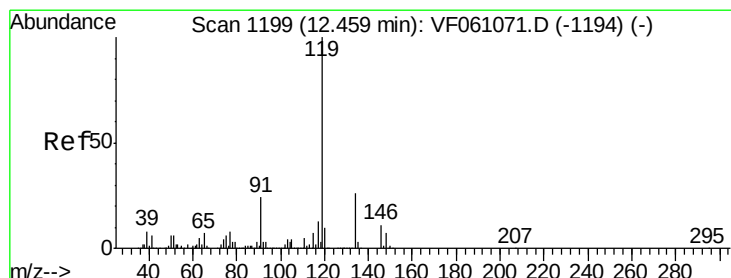
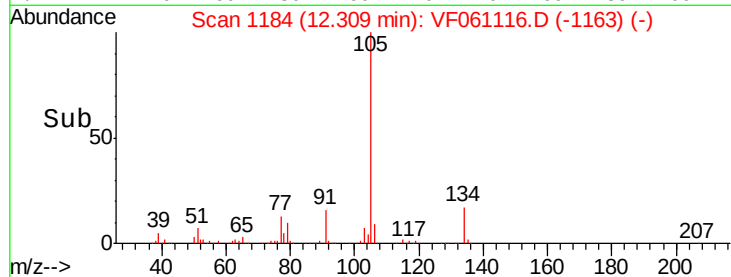
100000

50000

0

12.20 12.30 12.40

Time-->



#86

p-Isopropyltoluene

Concen: 52.584 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF061116.D

Acq: 20 Dec 2018 19:07

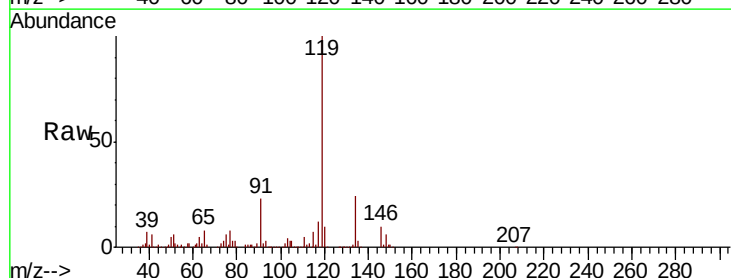
Tgt Ion:119 Resp: 292199

Ion Ratio Lower Upper

119 100

134 24.4 12.8 38.4

91 22.6 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

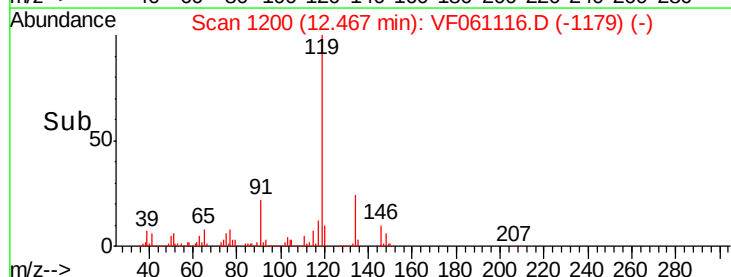
100000

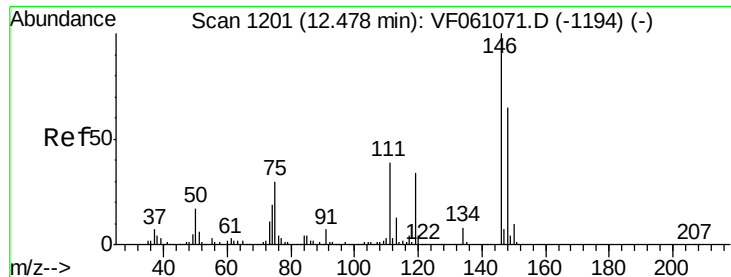
50000

0

12.40 12.50 12.60

Time-->

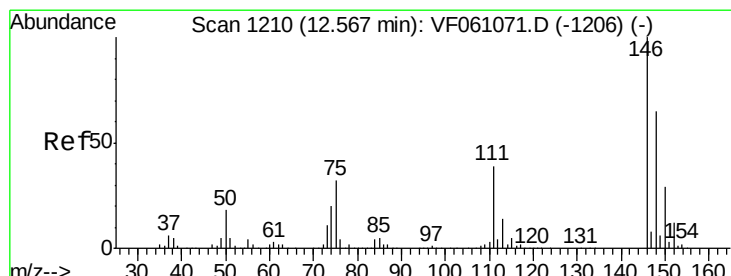
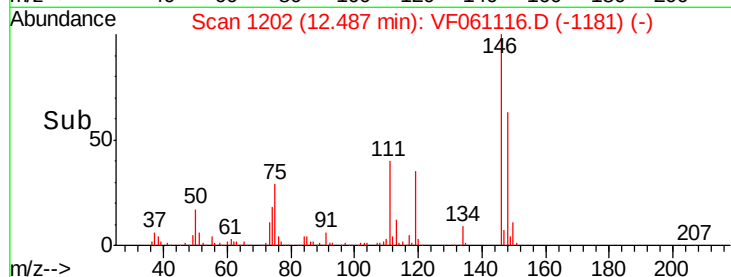
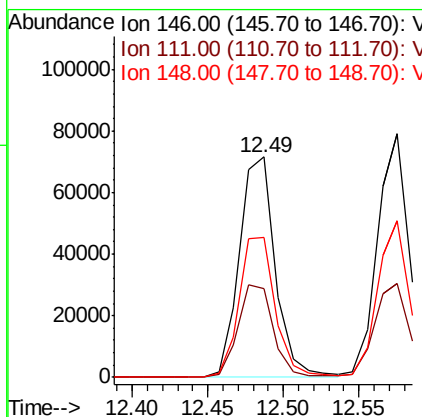
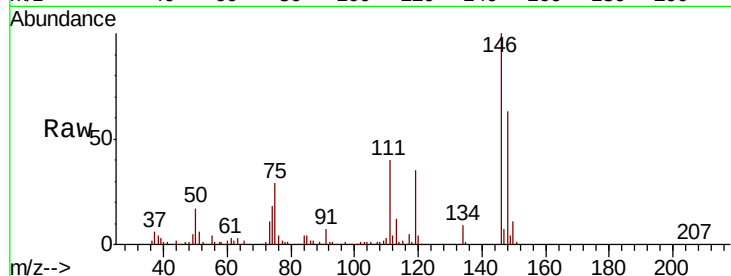




#87
 1,3-Dichlorobenzene
 Concen: 56.180 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

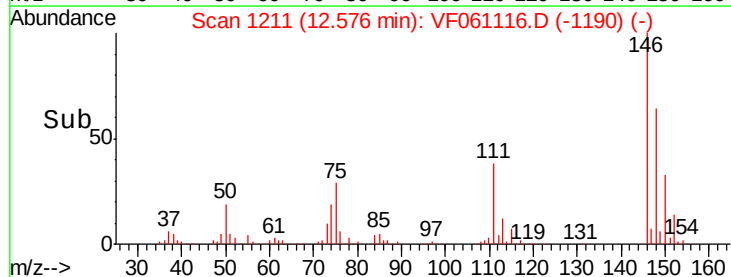
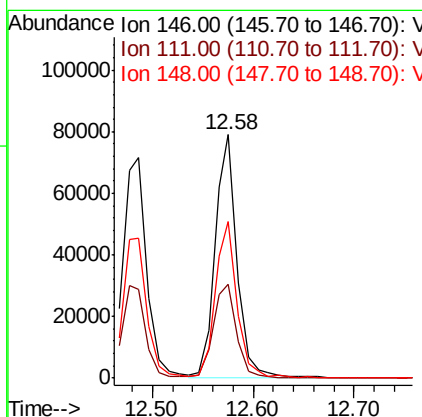
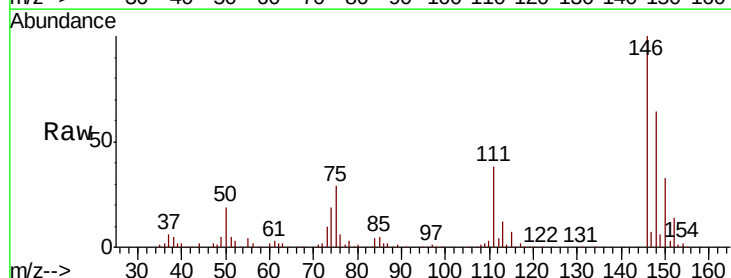
Instrument :
 MSVOA_F
 ClientSampled :

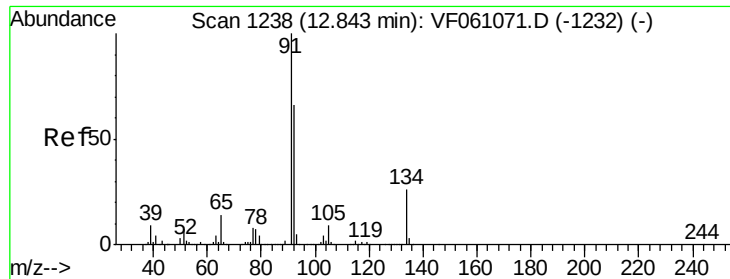
Tot Ion:146 Resp: 118075
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.3 57.9
 148 63.3 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 49.902 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion:146 Resp: 119423
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.4
 148 64.4 32.4 97.0

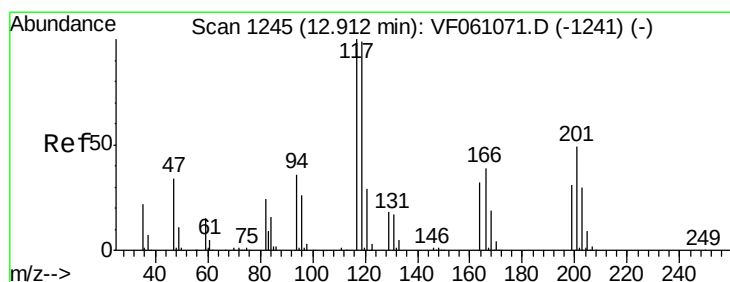
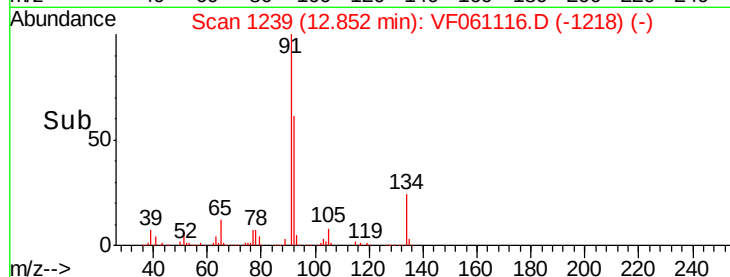
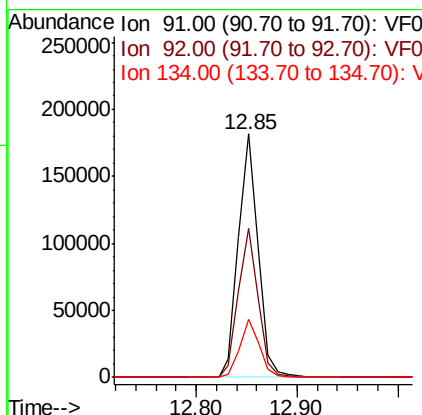
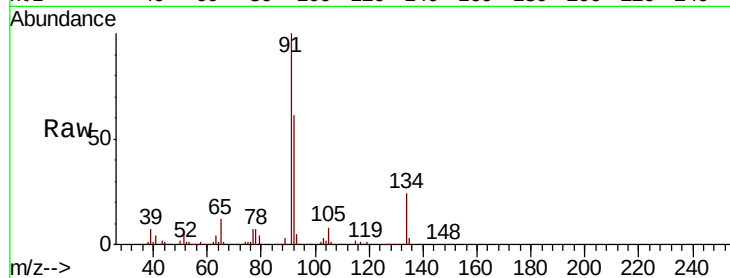




#89
n-Butylbenzene
Concen: 42.546 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

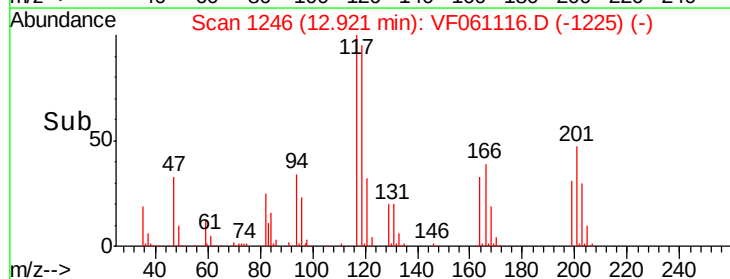
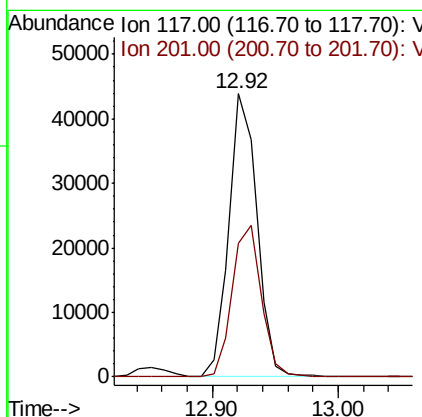
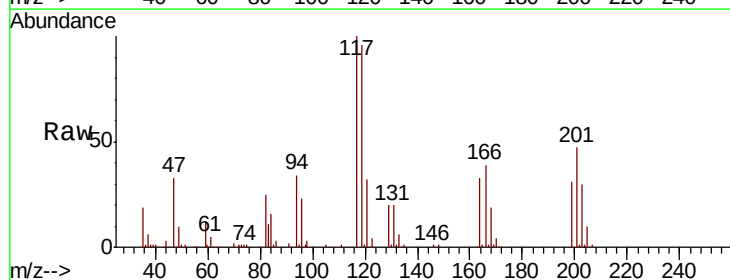
Instrument :
MSVOA_F
ClientSampled :

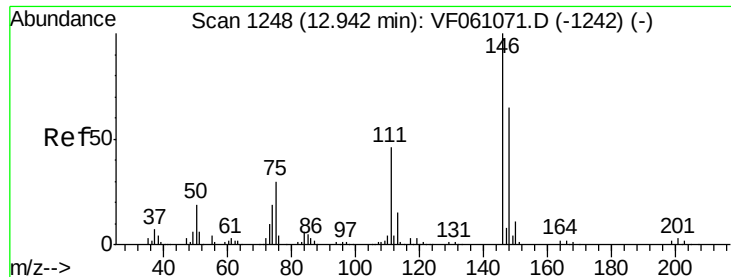
Tot Ion: 91 Resp: 247162
Ion Ratio Lower Upper
91 100
92 61.2 32.8 98.4
134 23.6 13.2 39.5



#90
Hexachloroethane
Concen: 49.212 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion: 117 Resp: 67563
Ion Ratio Lower Upper
117 100
201 47.2 24.9 74.8

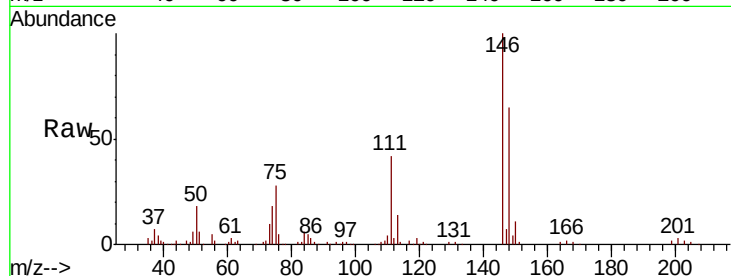




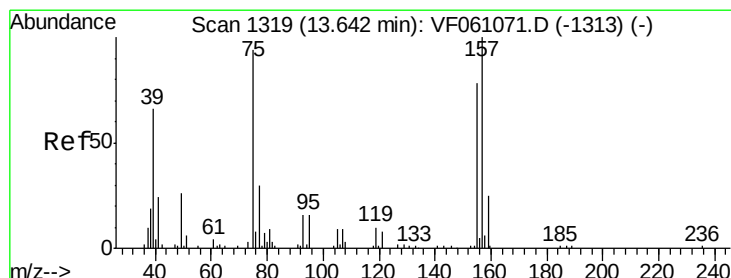
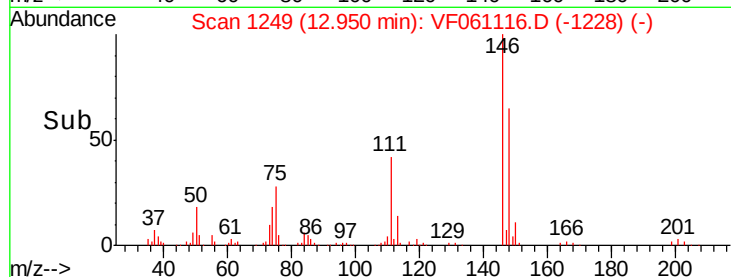
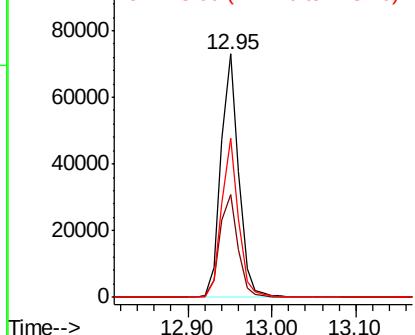
#91
 1,2-Dichlorobenzene
 Concen: 46.256 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:146 Resp: 107772
 Ion Ratio Lower Upper
 146 100
 111 42.4 23.2 69.5
 148 65.3 32.4 97.0

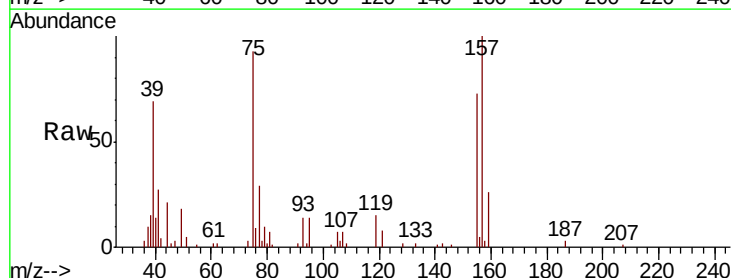


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

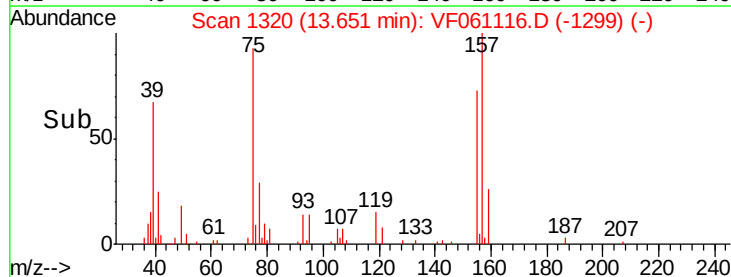
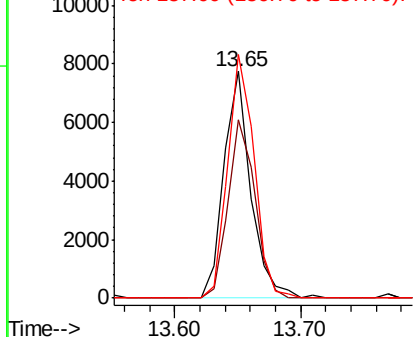


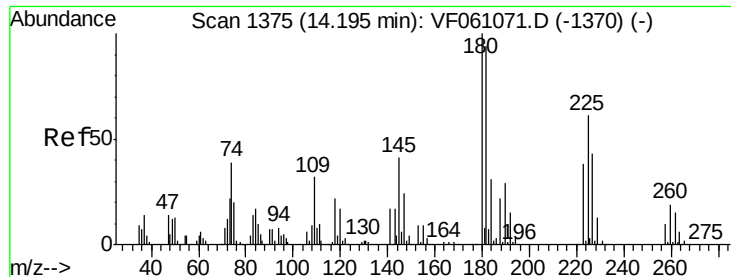
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.773 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion: 75 Resp: 11390
 Ion Ratio Lower Upper
 75 100
 155 78.8 41.5 124.5
 157 107.5 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

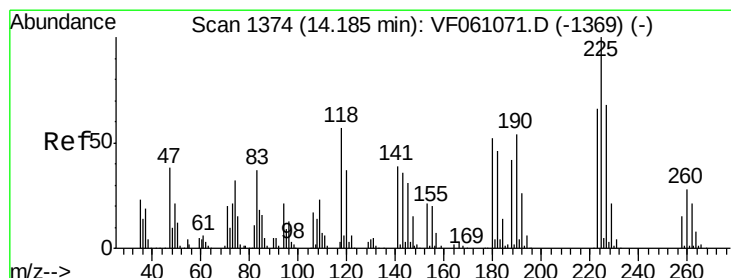
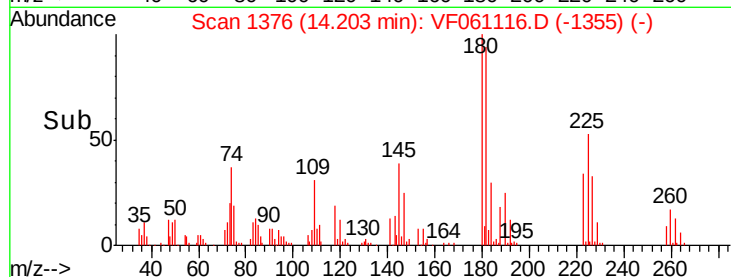
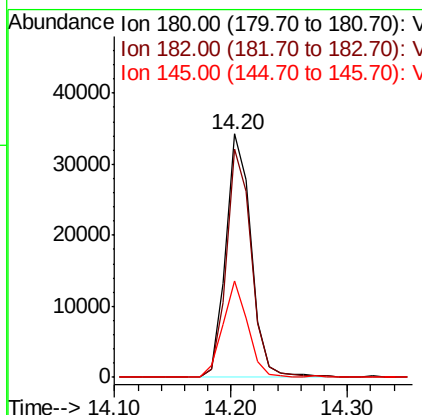
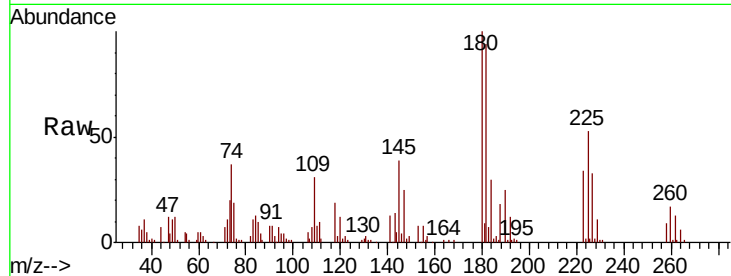




#93
 1,2,4-Trichlorobenzene
 Concen: 31.391 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

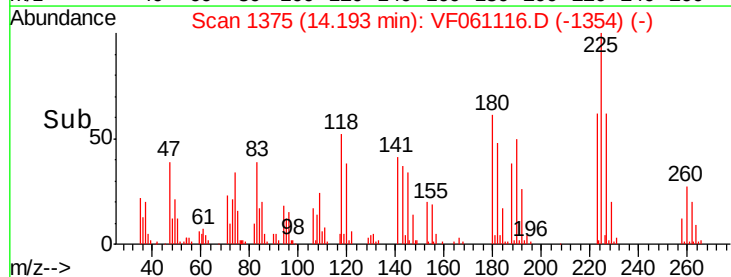
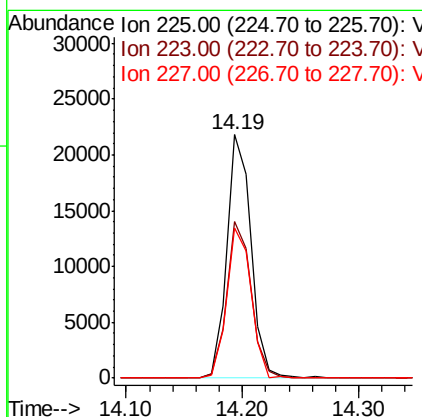
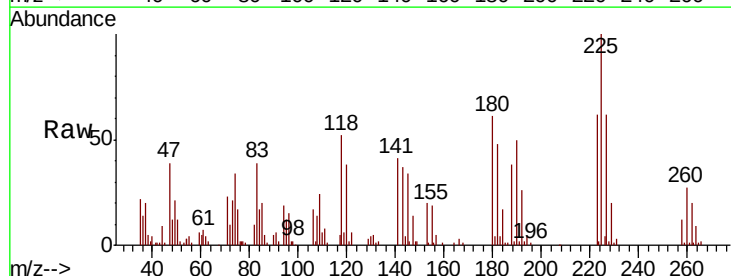
Instrument :
 MSVOA_F
 ClientSampled :

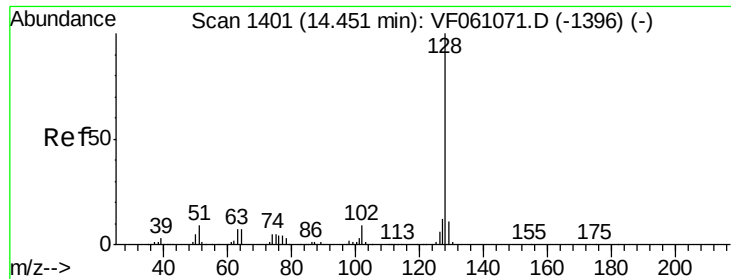
Tot Ion:180 Resp: 51869
 Ion Ratio Lower Upper
 180 100
 182 94.0 46.9 140.6
 145 39.5 20.5 61.6



#94
 Hexachlorobutadiene
 Concen: 29.727 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061116.D
 Acq: 20 Dec 2018 19:07

Tgt Ion:225 Resp: 31285
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.8 98.3
 227 61.6 34.0 101.8

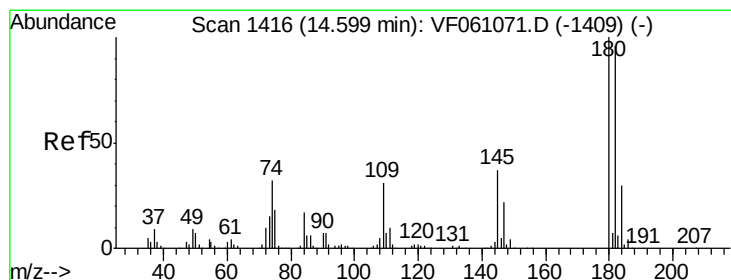
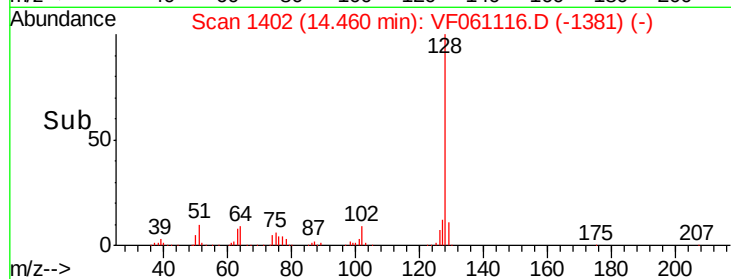
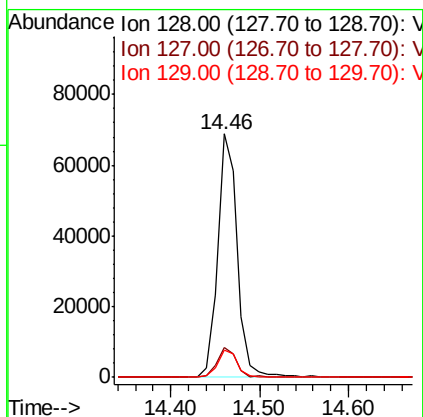
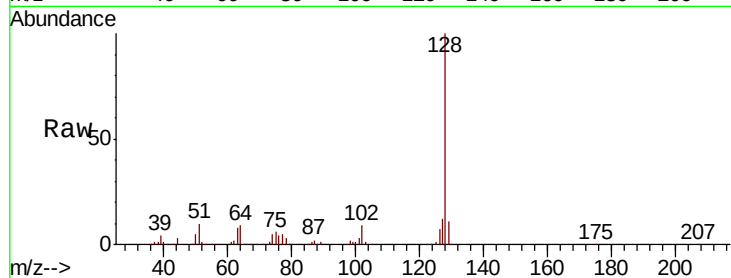




#95
Naphthalene
Concen: 35.219 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 106264
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 27.684 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061116.D
Acq: 20 Dec 2018 19:07

Tgt Ion:180 Resp: 42288
Ion Ratio Lower Upper
180 100
182 99.6 47.9 143.8
145 36.8 18.6 55.8

