

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061210.D
 Acq On : 27 Dec 2018 16:11
 Operator : VA/AP
 Sample : J6378-19MSD
 Misc : 5.01µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Quant Time: Dec 27 16:35:09 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	4.85	168	157215	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	279203	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	236707	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	89265	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	114220	56.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	4.10	113	119111	53.26	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	7.53	98	296839	46.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.66%	
62) 4-Bromofluorobenzene	11.40	95	123624	42.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	84.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	192463	55.071	ug/l	99
3) Chloromethane	1.09	50	116704	58.297	ug/l	98
4) Vinyl Chloride	1.13	62	111066	59.808	ug/l	91
5) Bromomethane	1.32	94	62599	48.600	ug/l	95
6) Chloroethane	1.38	64	50284	58.764	ug/l	88
7) Trichlorofluoromethane	1.48	101	213078	60.093	ug/l	99
8) Diethyl Ether	1.62	74	33138	68.247	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	95828	52.124	ug/l	95
10) Methyl Iodide	1.89	142	143749	49.603	ug/l	93
11) Tert butyl alcohol	2.56	59	29807	365.290	ug/l	98
12) 1,1-Dichloroethene	1.78	96	78975	56.987	ug/l	89
13) Acrolein	1.87	56	354	6.004	ug/l	88
14) Allyl chloride	2.09	41	97426	67.554	ug/l	98
15) Acrylonitrile	2.93	53	58794	311.595	ug/l	95
16) Acetone	2.22	43	124004	306.765	ug/l	99
17) Carbon Disulfide	1.82	76	221115	52.796	ug/l	97
18) Methyl Acetate	2.33	43	118214	141.350	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	192737	62.656	ug/l	99
20) Methylene Chloride	2.22	84	52075	39.358	ug/l	95
21) trans-1,2-Dichloroethene	2.29	96	79316	53.511	ug/l	96
22) Diisopropyl ether	2.79	45	298147	62.062	ug/l #	88
23) Vinyl Acetate	3.17	43	80638	36.386	ug/l	100
24) 1,1-Dichloroethane	2.86	63	173050	60.797	ug/l	98
25) 2-Butanone	4.31	43	199608	304.473	ug/l	97
26) 2,2-Dichloropropane	3.58	77	96859	59.297	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	123622	54.478	ug/l	96
28) Bromochloromethane	3.69	49	83336	57.703	ug/l	98
29) Tetrahydrofuran	4.06	42	84850	317.992	ug/l	99
30) Chloroform	3.84	83	246321	57.715	ug/l	94
31) Cyclohexane	3.67	56	139653	47.283	ug/l	94
32) 1,1,1-Trichloroethane	4.07	97	162935	63.694	ug/l	96
36) 1,1-Dichloropropene	4.26	75	168896	50.115	ug/l	97
37) Ethyl Acetate	4.08	43	58336	43.508	ug/l #	6
38) Carbon Tetrachloride	3.97	117	140936	54.913	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061210.D
 Acq On : 27 Dec 2018 16:11
 Operator : VA/AP
 Sample : J6378-19MSD
 Misc : 5.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Quant Time: Dec 27 16:35:09 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)
39) Methylcyclohexane	5.43	83	129443	42.812	ug/l	98
40) Benzene	4.61	78	372368	51.378	ug/l	94
41) Methacrylonitrile	4.72	41	38120	53.558	ug/l	95
42) 1,2-Dichloroethane	4.93	62	156020	56.668	ug/l	99
43) Isopropyl Acetate	6.94	43	51003	31.342	ug/l	95
44) Trichloroethene	5.48	130	118246	51.749	ug/l	97
45) 1,2-Dichloropropane	6.22	63	106216	53.867	ug/l	96
46) Dibromomethane	6.06	93	72980	57.065	ug/l	91
47) Bromodichloromethane	6.37	83	179875	54.132	ug/l	98
48) Methyl methacrylate	6.70	41	76940	67.728	ug/l	97
49) 1,4-Dioxane	6.68	88	10089	1223.956	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	339055	303.804	ug/l	100
52) Toluene	7.60	92	241906	50.423	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	140992	52.597	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	175113	52.049	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	80789	56.173	ug/l	96
56) Ethyl methacrylate	8.60	69	63788	40.988	ug/l	93
57) 1,3-Dichloropropane	8.83	76	152853	58.762	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	61656	206.281	ug/l	96
59) 2-Hexanone	9.47	43	249452	309.077	ug/l	100
60) Dibromochloromethane	8.70	129	114216	55.400	ug/l	99
61) 1,2-Dibromoethane	8.96	107	82387	53.637	ug/l	95
64) Tetrachloroethene	8.13	164	86453	47.479	ug/l	97
65) Chlorobenzene	9.78	112	260450	53.261	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	113544	56.819	ug/l	94
67) Ethyl Benzene	9.88	91	468719	52.613	ug/l	99
68) m/p-Xylenes	10.11	106	297351	94.843	ug/l	97
69) o-Xylene	10.70	106	177828	51.142	ug/l	93
70) Styrene	10.77	104	228384	54.324	ug/l	97
71) Bromoform	10.76	173	52464	56.746	ug/l	98
73) Isopropylbenzene	11.11	105	464765	60.418	ug/l	100
74) N-amyl acetate	11.36	43	48420	28.351	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	105594	82.709	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	76322	80.330	ug/l	96
77) Bromobenzene	11.48	156	106725	64.451	ug/l	98
78) n-propylbenzene	11.58	91	510455	60.174	ug/l	99
79) 2-Chlorotoluene	11.70	91	309170	58.588	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	357369	56.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	41429	101.474	ug/l	90
82) 4-Chlorotoluene	11.88	91	302466	55.408	ug/l	99
83) tert-Butylbenzene	12.12	119	348958	53.538	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	358921	56.823	ug/l	96
85) sec-Butylbenzene	12.29	105	399403	46.955	ug/l	97
86) p-Isopropyltoluene	12.44	119	345885	48.989	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	164554	62.205	ug/l	100
88) 1,4-Dichlorobenzene	12.55	146	163619	53.810	ug/l	99
89) n-Butylbenzene	12.83	91	314592	42.638	ug/l	95
90) Hexachloroethane	12.90	117	82569	47.334	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	165206	55.806	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18486	78.907	ug/l	90

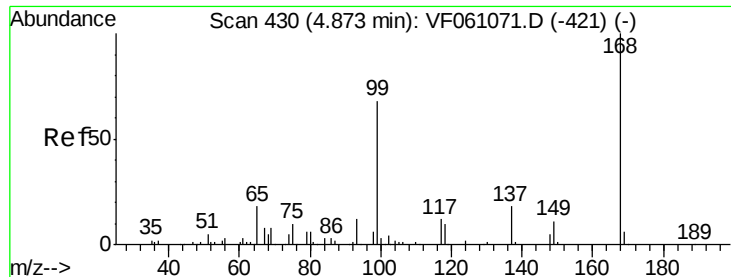
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
Data File : VF061210.D
Acq On : 27 Dec 2018 16:11
Operator : VA/AP
Sample : J6378-19MSD
Misc : 5.01g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Quant Time: Dec 27 16:35:09 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)
93) 1,2,4-Trichlorobenzene	14.18	180	78594	37.435	ug/l	97
94) Hexachlorobutadiene	14.18	225	32270	24.133	ug/l	97
95) Naphthalene	14.44	128	201255	52.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	63868	32.907	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

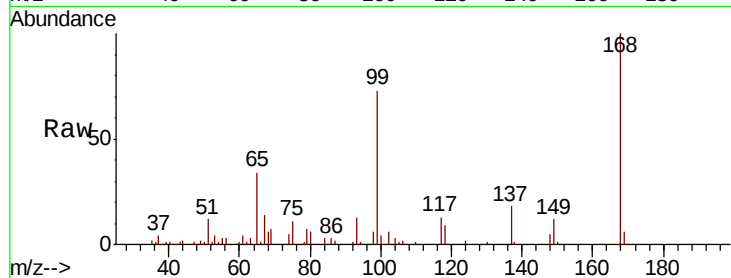
P001-SS001-0612-01MSD

Tot Ion:168 Resp: 157215

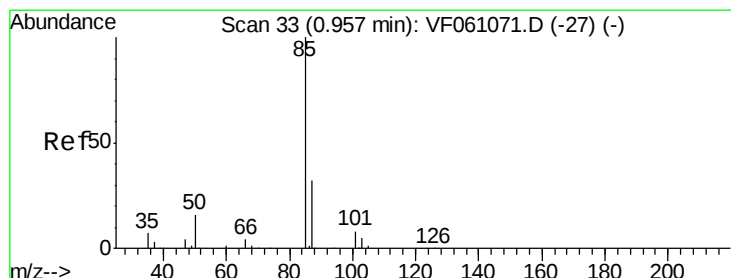
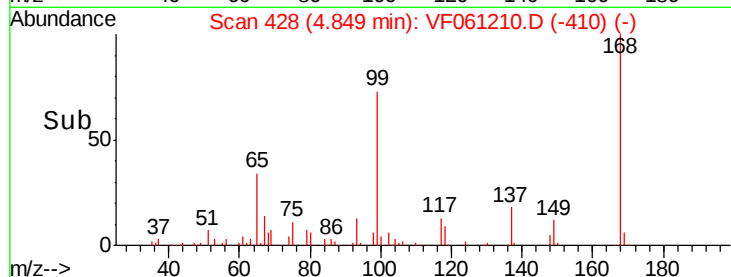
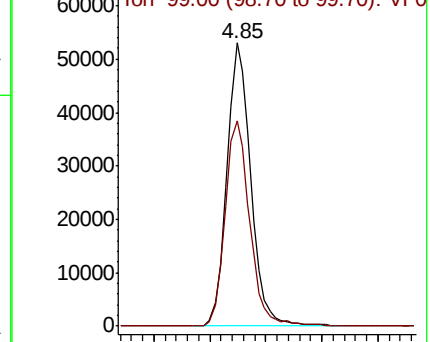
Ion Ratio Lower Upper

168 100

99 72.7 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 55.071 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061210.D

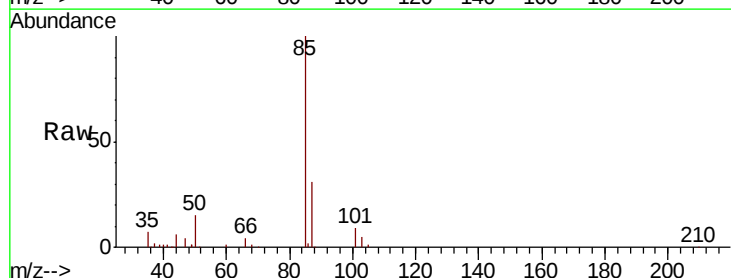
Acq: 27 Dec 2018 16:11

Tgt Ion: 85 Resp: 192463

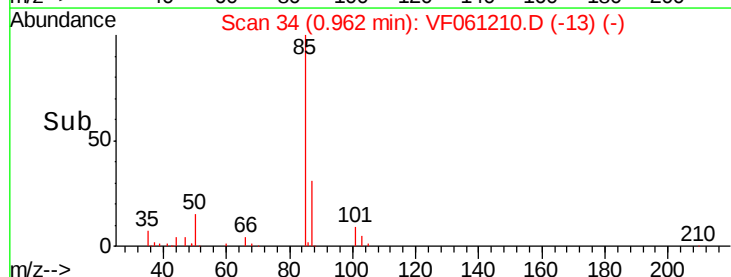
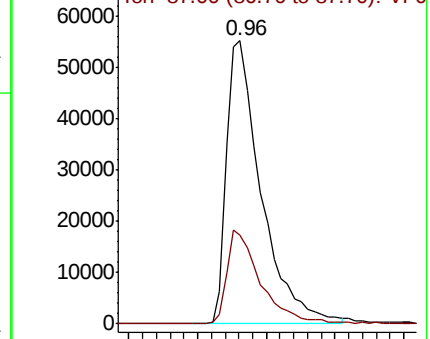
Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

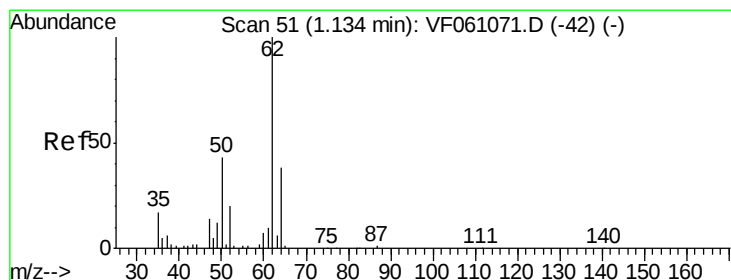
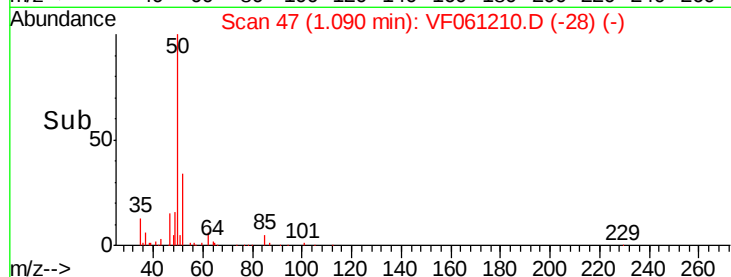
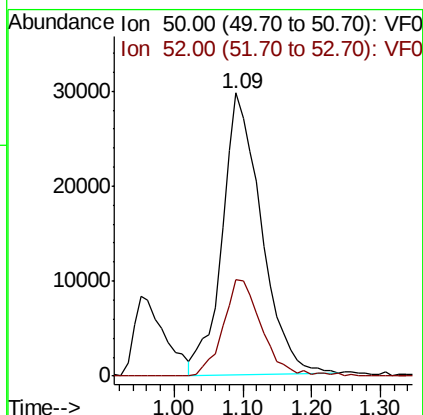
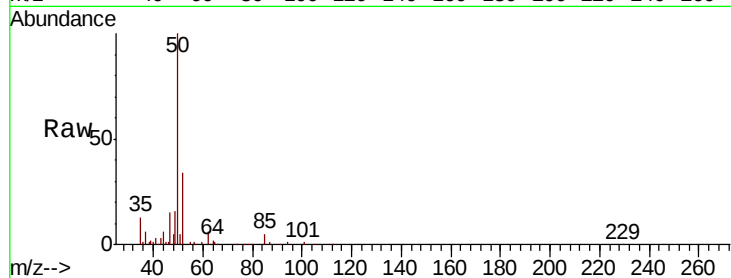




#3
Chloromethane
Concen: 58.297 ug/l
RT: 1.09 min Scan# 47
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

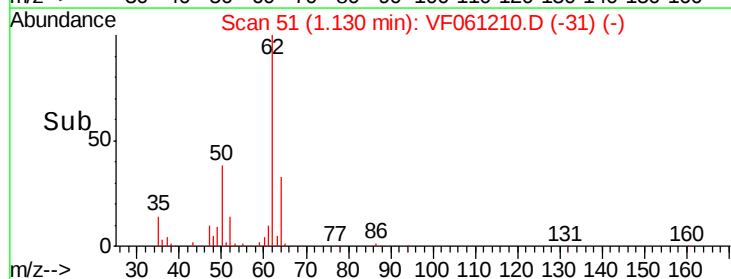
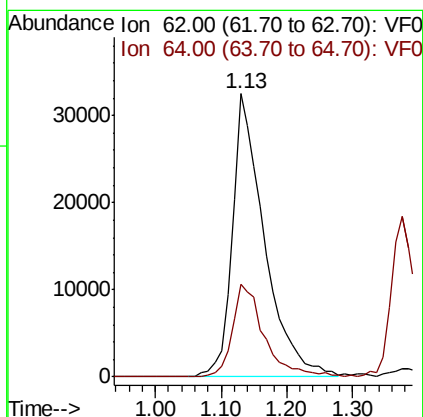
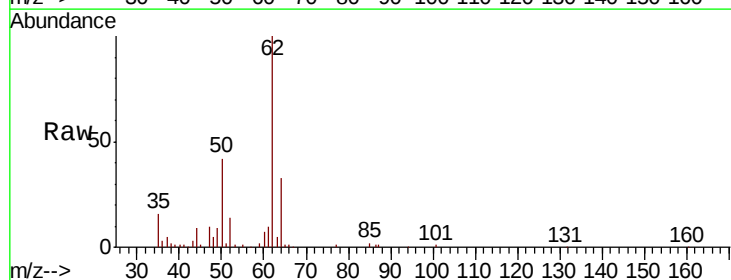
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion: 50 Resp: 116704
Ion Ratio Lower Upper
50 100
52 34.2 26.3 39.5



#4
Vinyl Chloride
Concen: 59.808 ug/l
RT: 1.13 min Scan# 51
Delta R.T. -0.00 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 62 Resp: 111066
Ion Ratio Lower Upper
62 100
64 32.7 30.4 45.6





#5

Bromomethane

Concen: 48.600 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

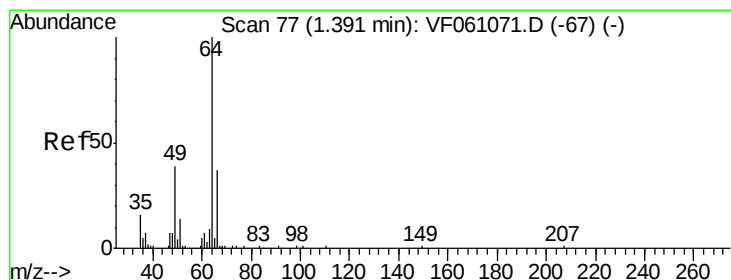
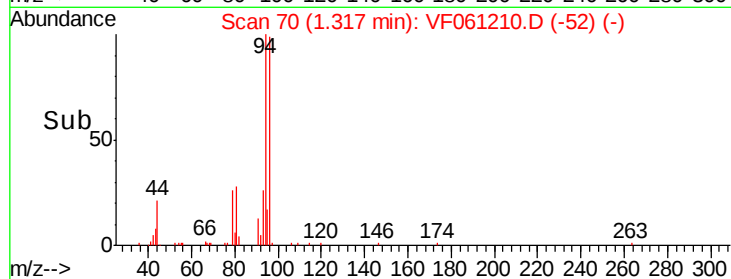
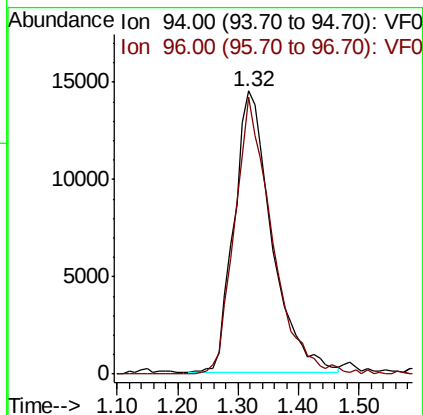
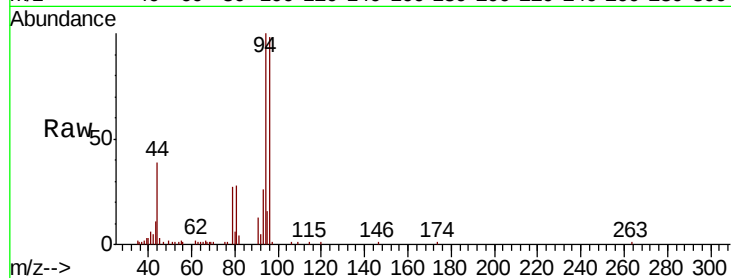
P001-SS001-0612-01MSD

Tot Ion: 94 Resp: 62599

Ion Ratio Lower Upper

94 100

96 97.8 74.4 111.6



#6

Chloroethane

Concen: 58.764 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061210.D

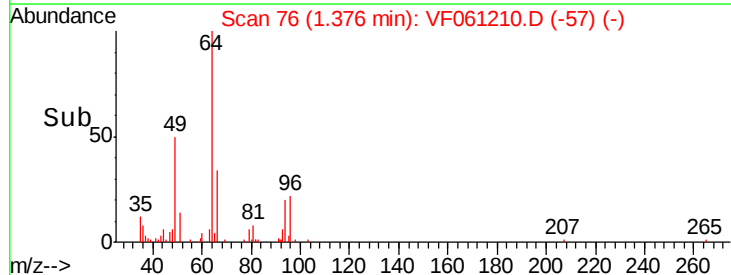
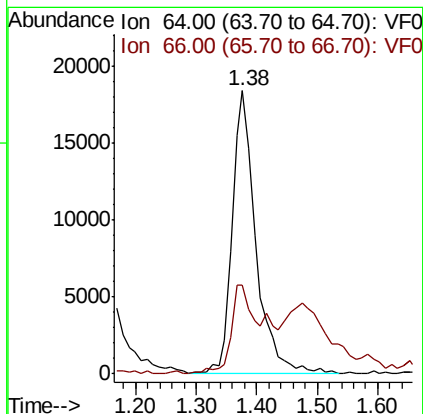
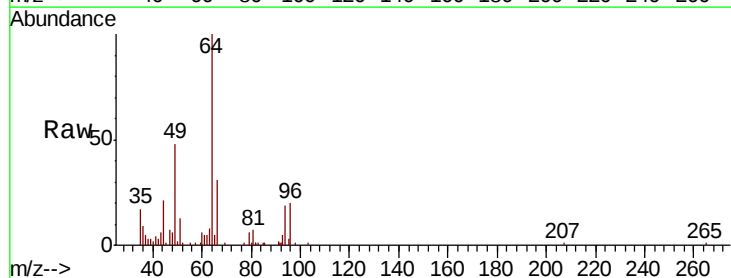
Acq: 27 Dec 2018 16:11

Tgt Ion: 64 Resp: 50284

Ion Ratio Lower Upper

64 100

66 31.3 30.9 46.3



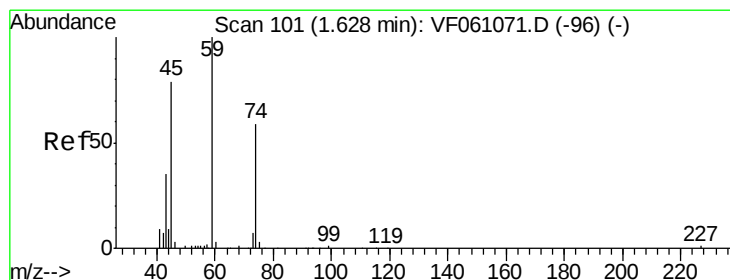
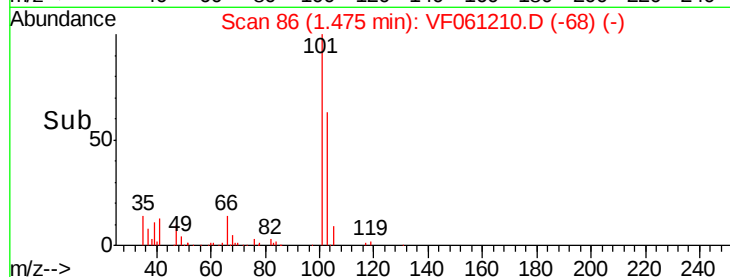
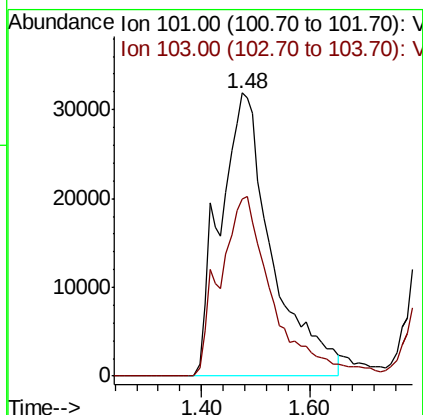
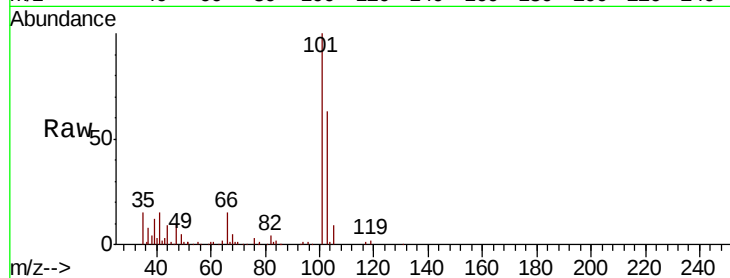


#7

Trichlorofluoromethane
Concen: 60.093 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

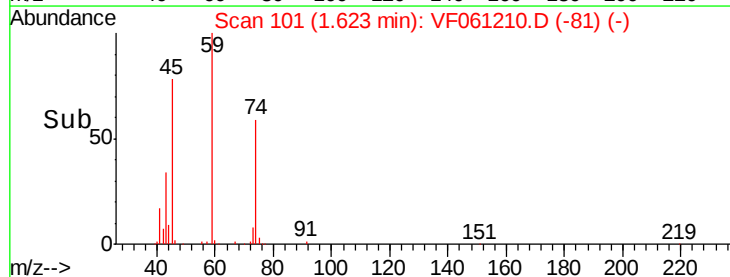
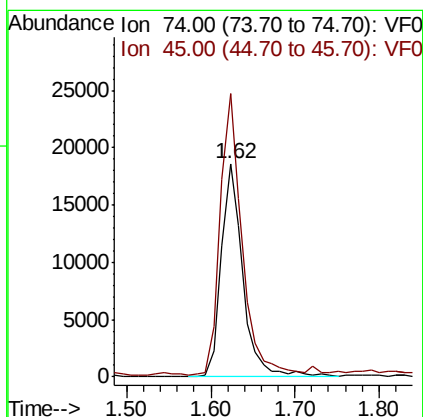
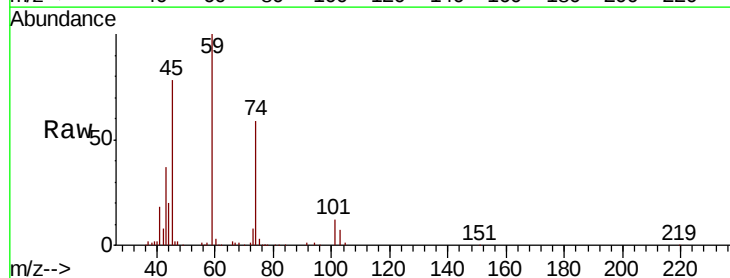
Tot Ion:101 Resp: 213078
Ion Ratio Lower Upper
101 100
103 62.8 50.7 76.1



#8

Diethyl Ether
Concen: 68.247 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 74 Resp: 33138
Ion Ratio Lower Upper
74 100
45 132.5 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.124 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

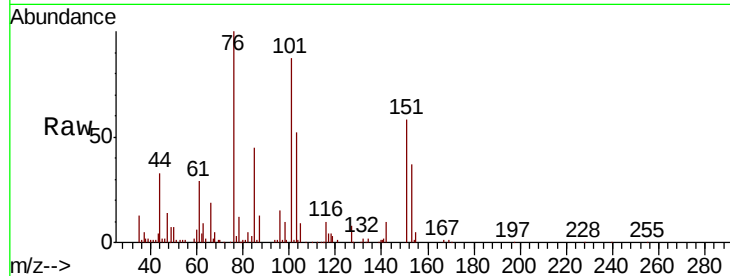
Tot Ion:101 Resp: 95828

Ion Ratio Lower Upper

101 100

85 52.6 44.5 66.7

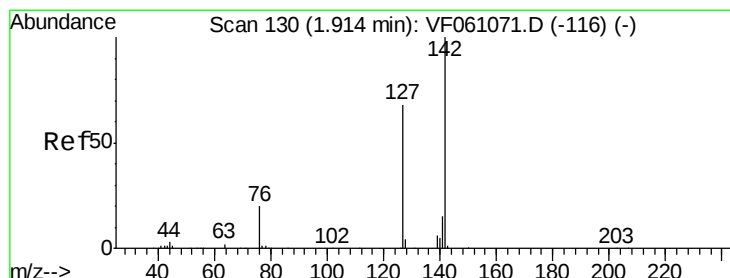
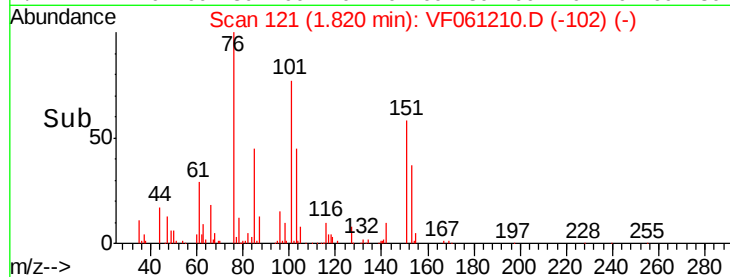
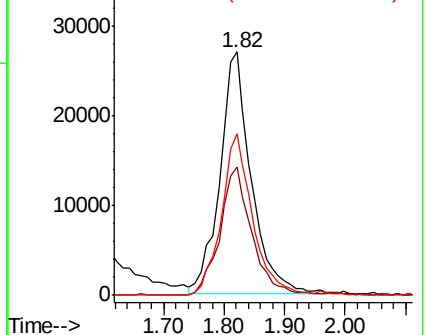
151 66.5 49.9 74.9



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: 49.603 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

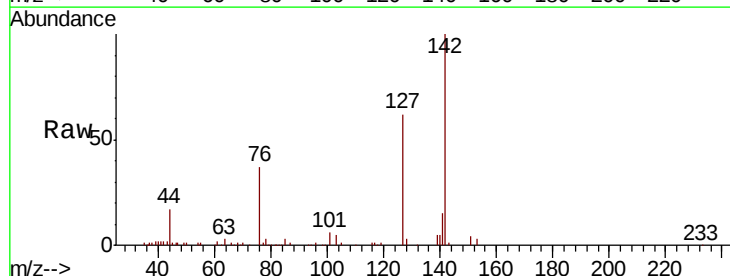
Tgt Ion:142 Resp: 143749

Ion Ratio Lower Upper

142 100

127 61.8 54.7 82.1

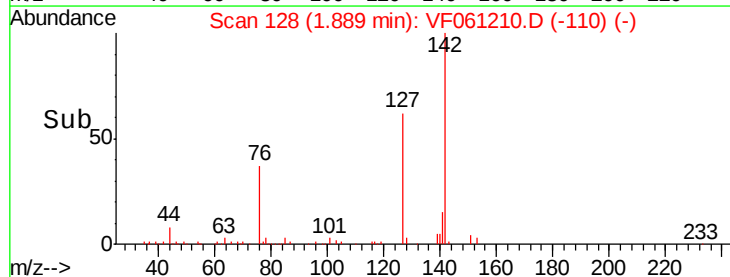
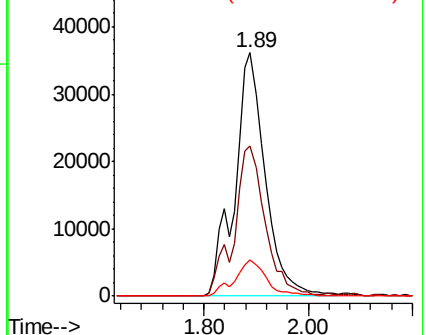
141 14.7 12.2 18.2

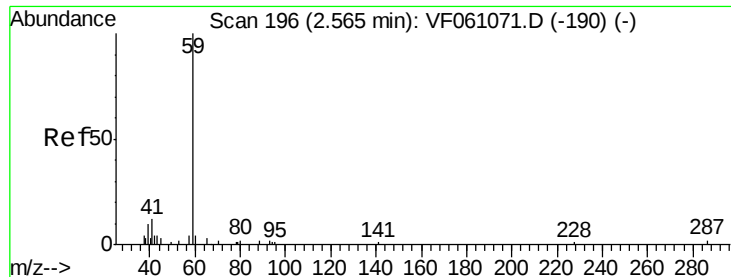


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

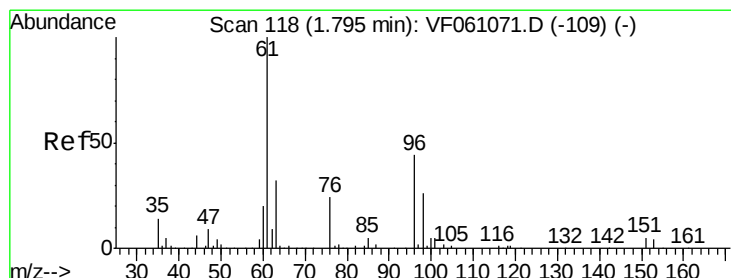
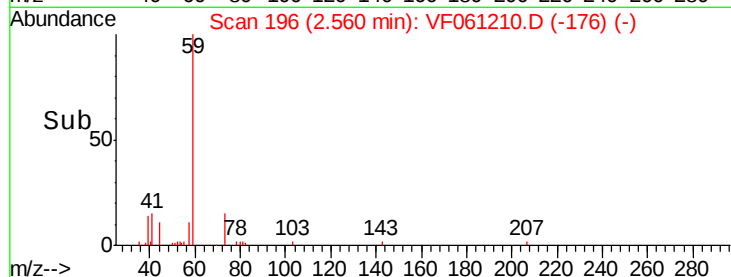
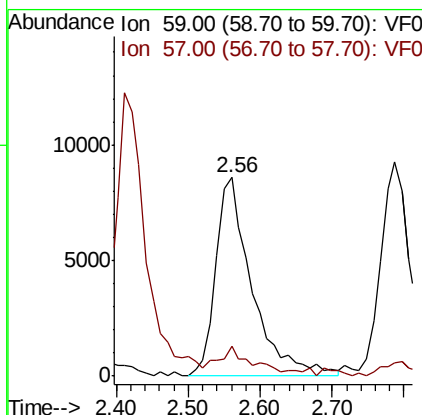
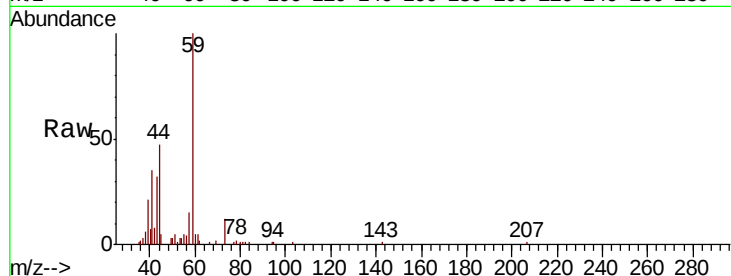




#11
Tert butyl alcohol
Concen: 365.290 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

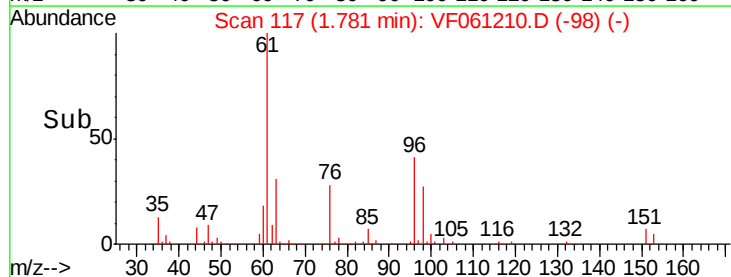
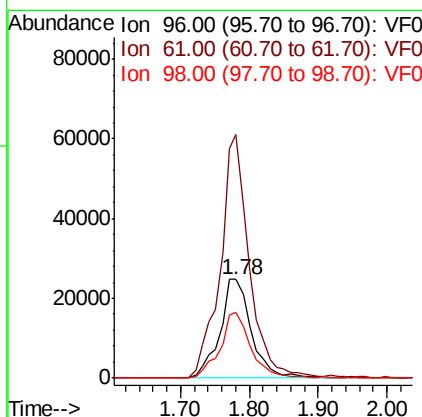
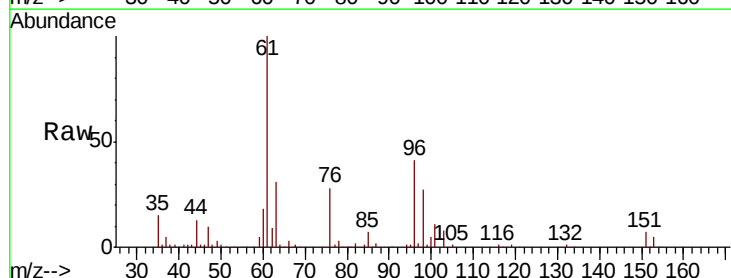
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

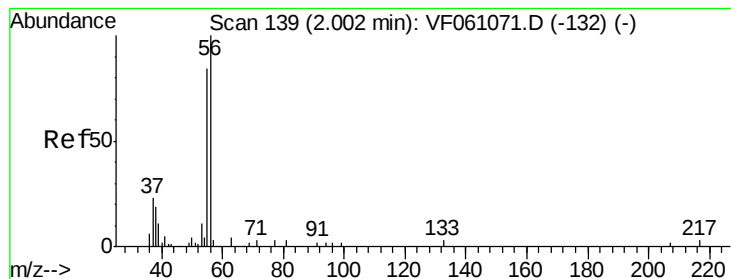
Tot Ion: 59 Resp: 29807
Ion Ratio Lower Upper
59 100
57 15.1 11.5 17.3



#12
1,1-Dichloroethene
Concen: 56.987 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 96 Resp: 78975
Ion Ratio Lower Upper
96 100
61 246.2 182.0 273.0
98 66.1 46.5 69.7





#13

Acrolein

Concen: 6.004 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.13 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

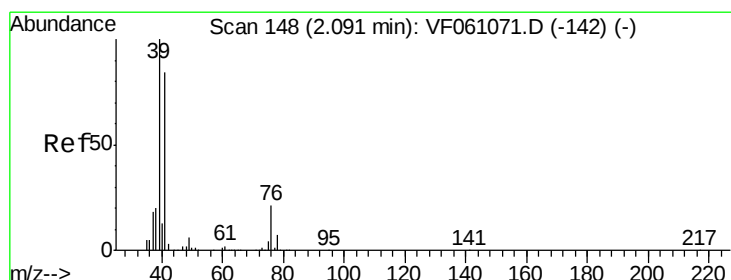
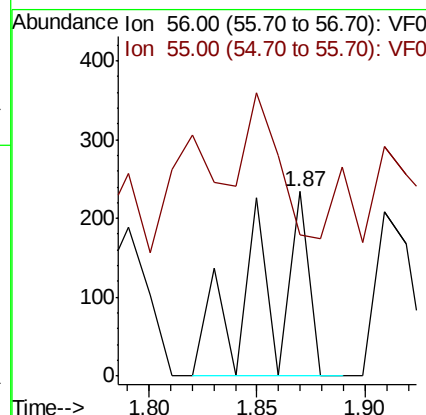
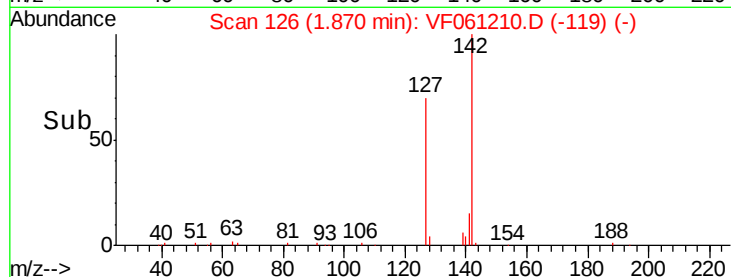
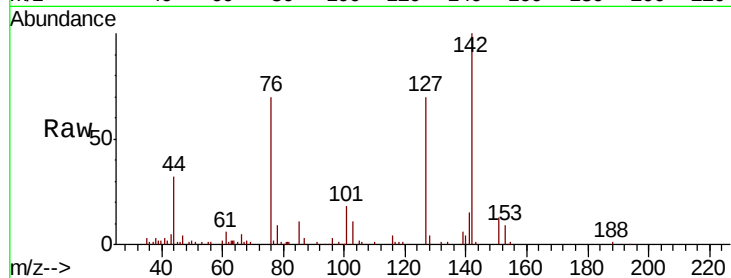
P001-SS001-0612-01MSD

Tot Ion: 56 Resp: 354

Ion Ratio Lower Upper

56 100

55 76.5 70.2 105.2



#14

Allyl chloride

Concen: 67.554 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

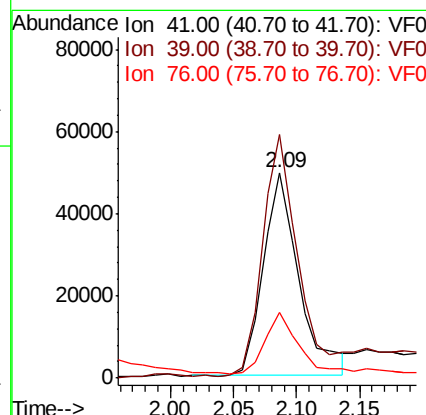
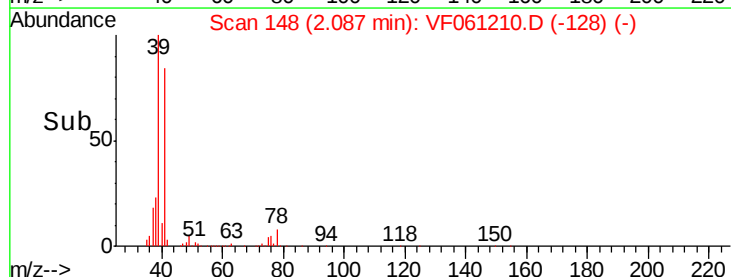
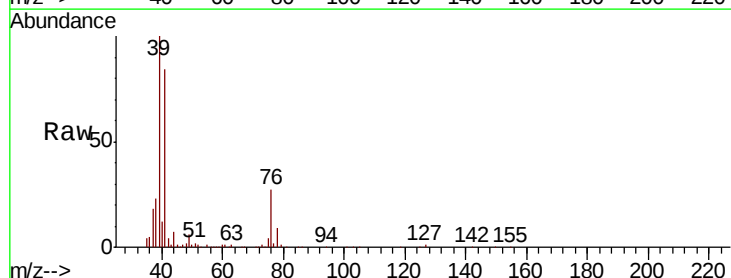
Tgt Ion: 41 Resp: 97426

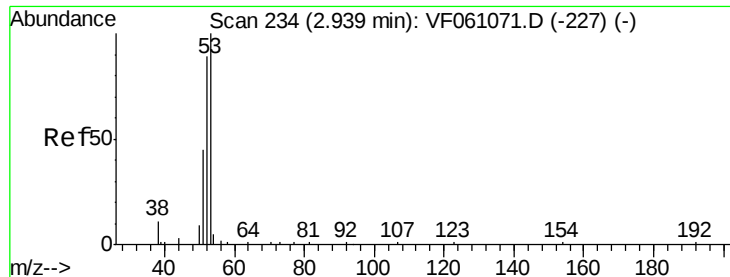
Ion Ratio Lower Upper

41 100

39 118.4 96.4 144.6

76 31.8 25.4 38.0





#15

Acrylonitrile

Concen: 311.595 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

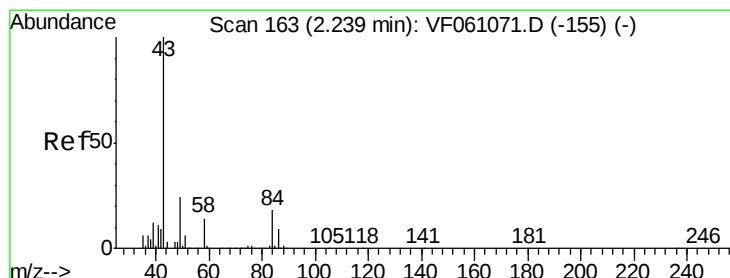
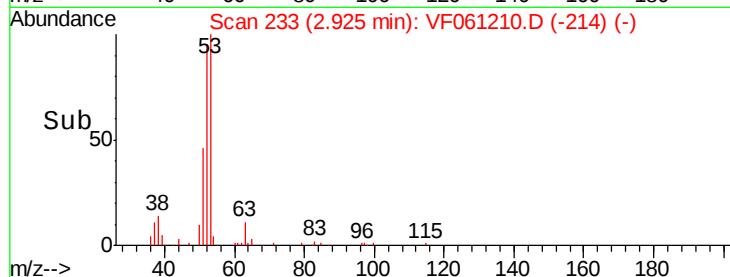
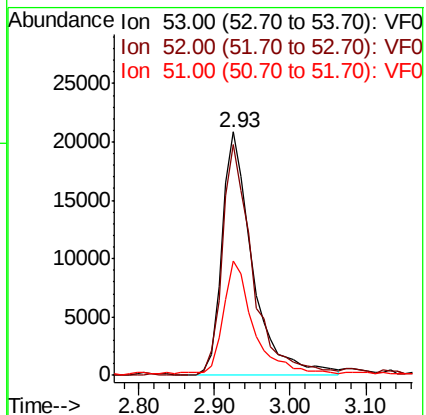
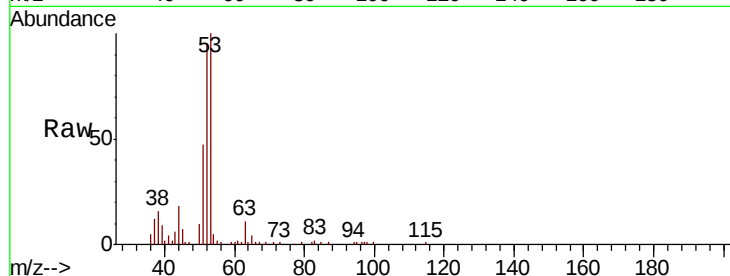
Tot Ion: 53 Resp: 58794

Ion Ratio Lower Upper

53 100

52 94.8 71.3 106.9

51 46.9 36.8 55.2



#16

Acetone

Concen: 306.765 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061210.D

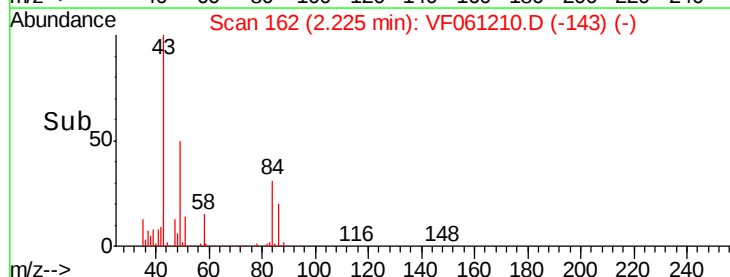
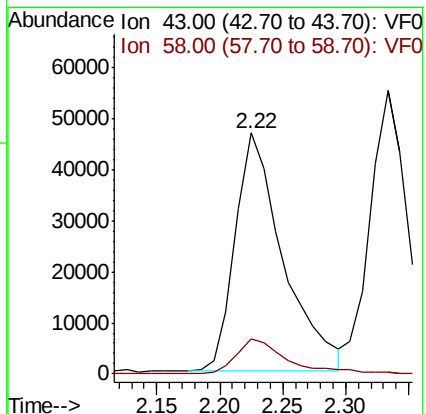
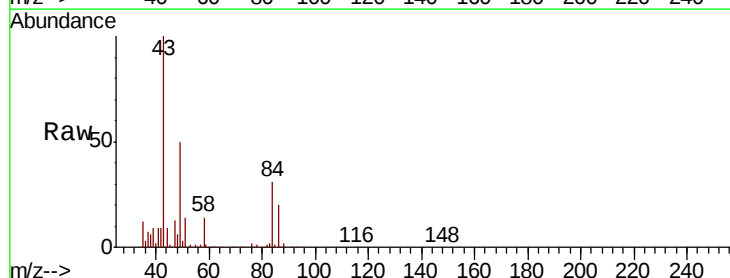
Acq: 27 Dec 2018 16:11

Tgt Ion: 43 Resp: 124004

Ion Ratio Lower Upper

43 100

58 14.4 11.1 16.7

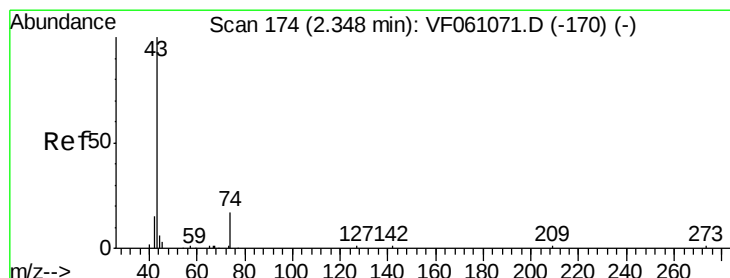
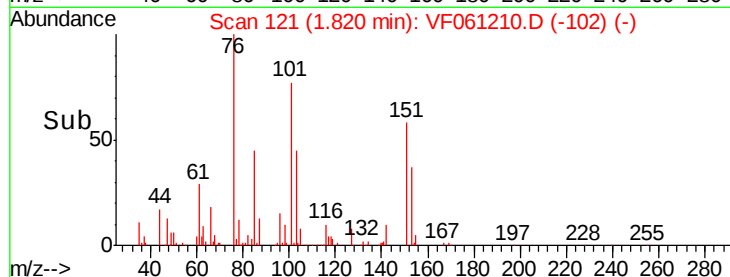
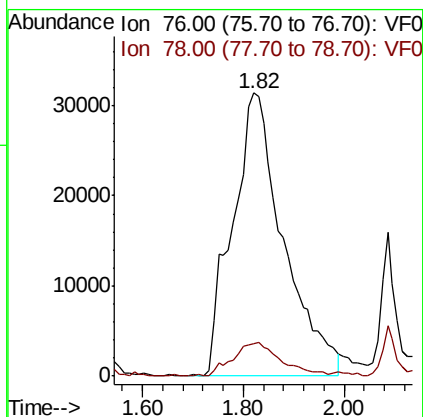
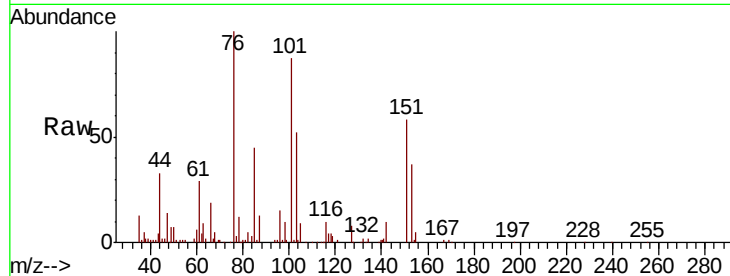




#17
Carbon Disulfide
Concen: 52.796 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

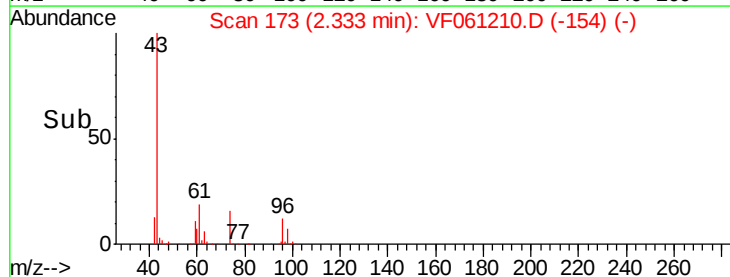
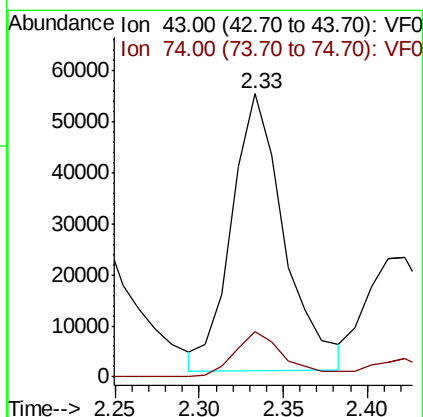
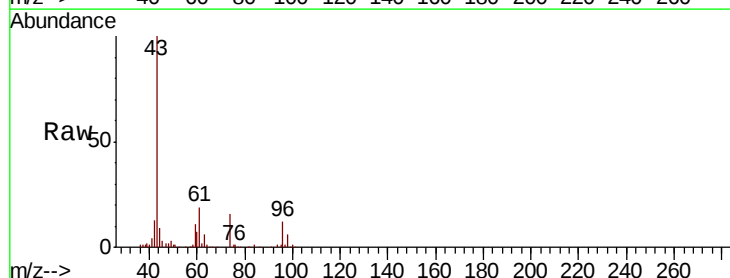
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

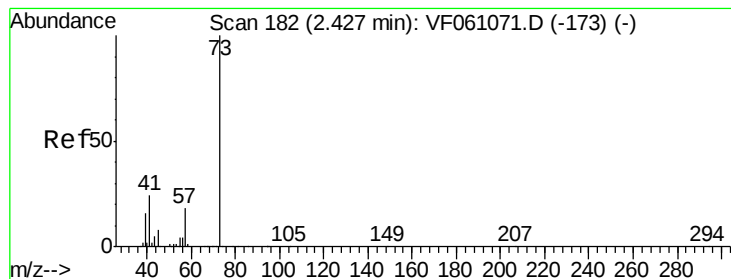
Tot Ion: 76 Resp: 221115
Ion Ratio Lower Upper
76 100
78 11.7 10.2 15.4



#18
Methyl Acetate
Concen: 141.350 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 43 Resp: 118214
Ion Ratio Lower Upper
43 100
74 16.2 11.0 16.6



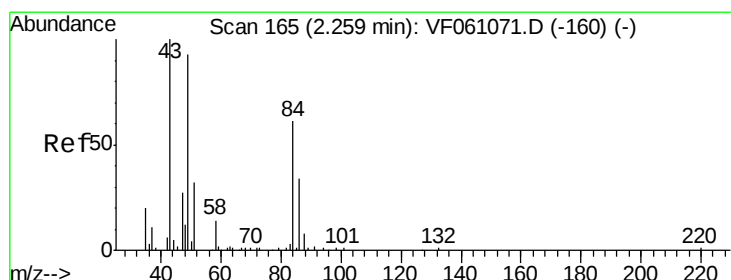
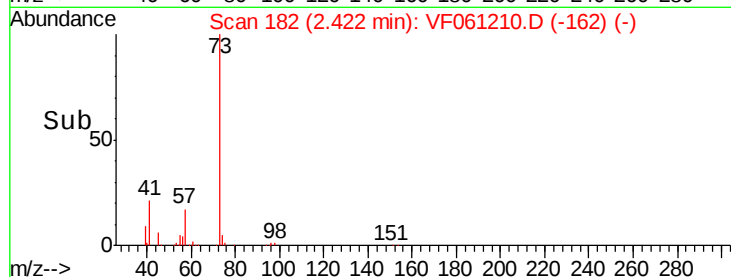
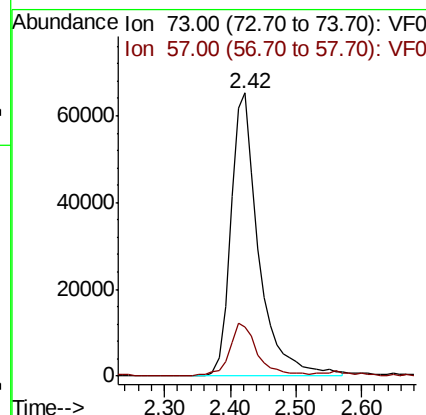
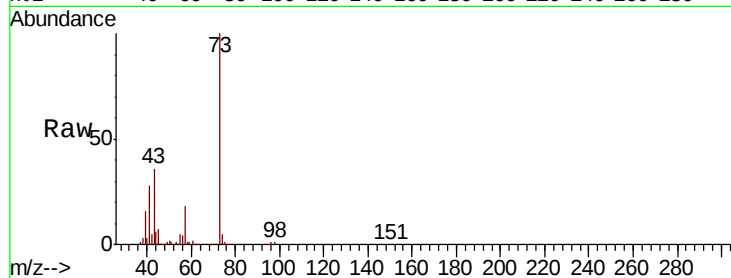


#19

Methyl tert-butyl Ether
 Concen: 62.656 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

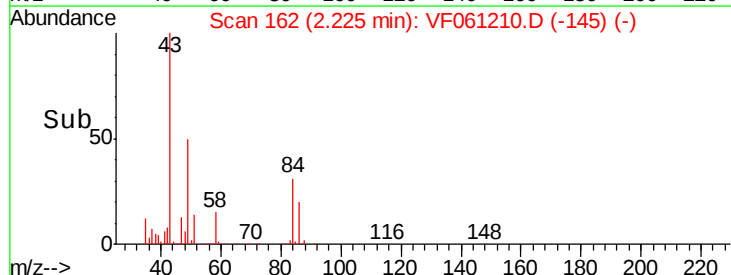
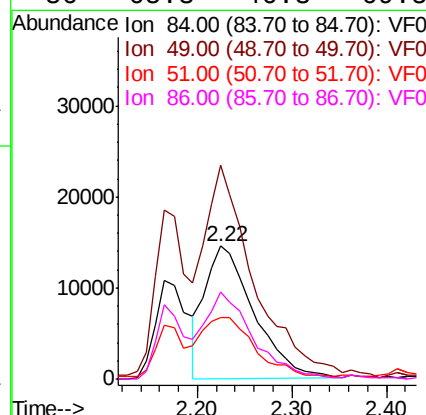
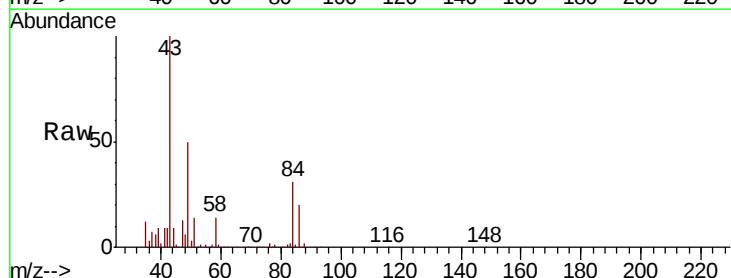
Tot Ion: 73 Resp: 192737
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.5 21.7

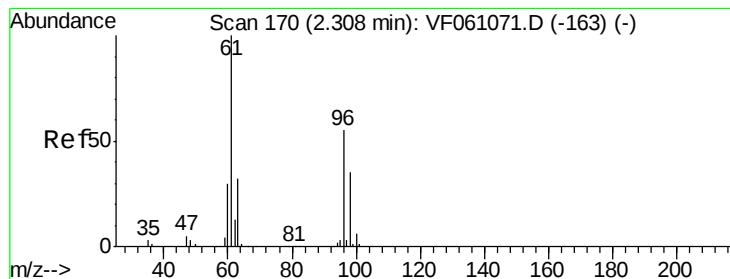


#20

Methylene Chloride
 Concen: 39.358 ug/l
 RT: 2.22 min Scan# 162
 Delta R.T. -0.03 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion: 84 Resp: 52075
 Ion Ratio Lower Upper
 84 100
 49 160.8 129.4 194.2
 51 46.7 44.0 66.0
 86 65.3 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 53.511 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

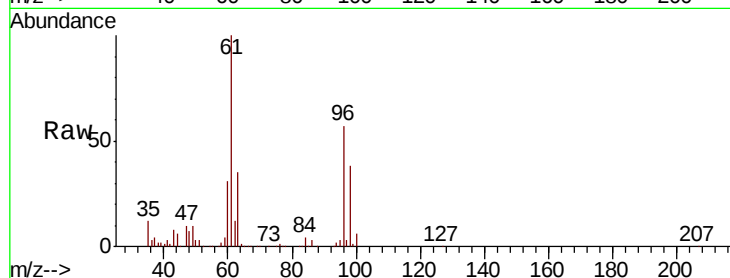
Tot Ion: 96 Resp: 79316

Ion Ratio Lower Upper

96 100

61 176.8 146.0 219.0

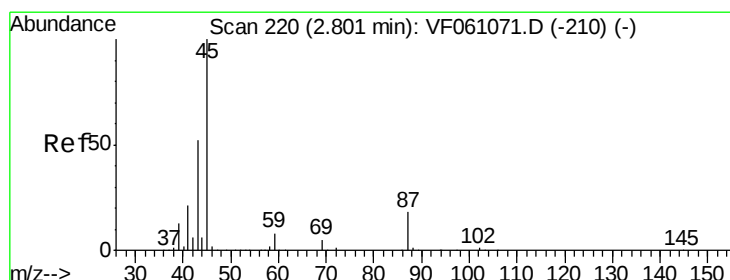
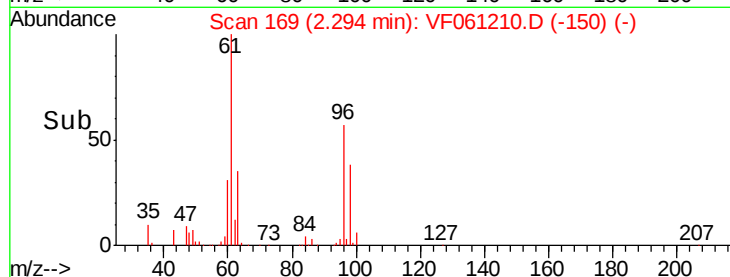
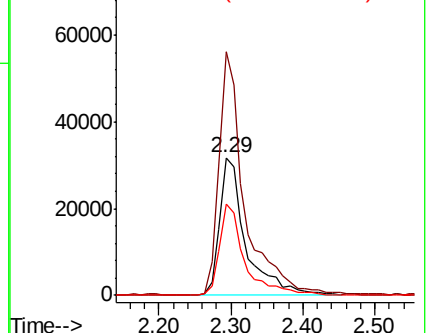
98 66.5 51.6 77.4



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: 62.062 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion: 45 Resp: 298147

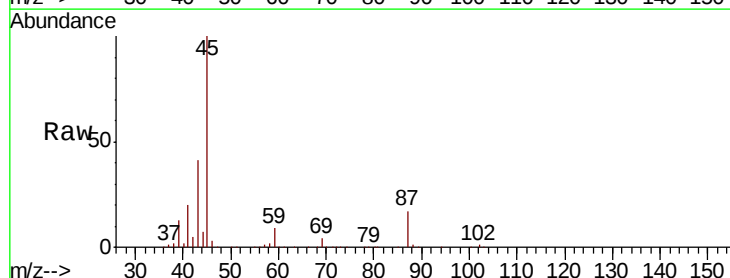
Ion Ratio Lower Upper

45 100

43 40.9 42.2 63.2#

87 16.7 14.6 22.0

59 8.7 7.0 10.4

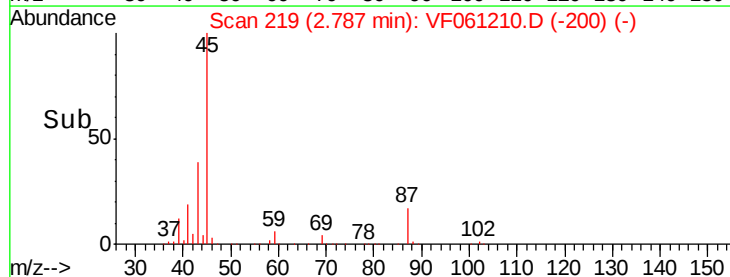
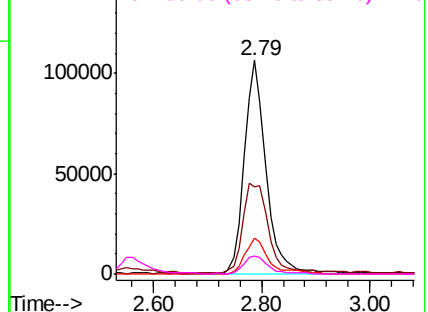


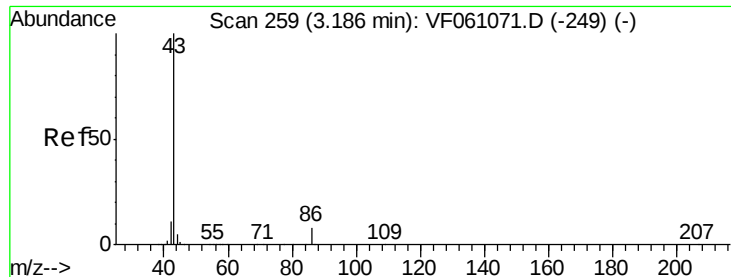
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 36.386 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

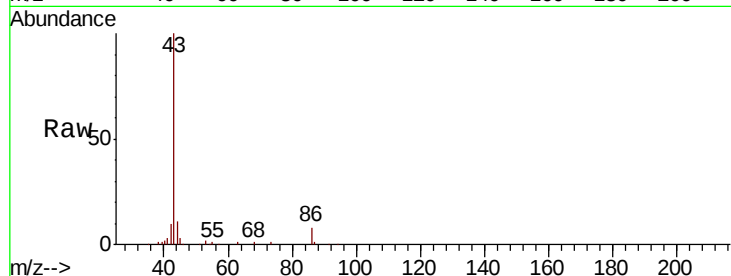
P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 80638

Ion Ratio Lower Upper

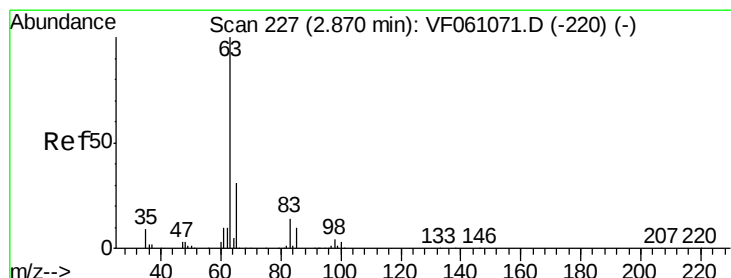
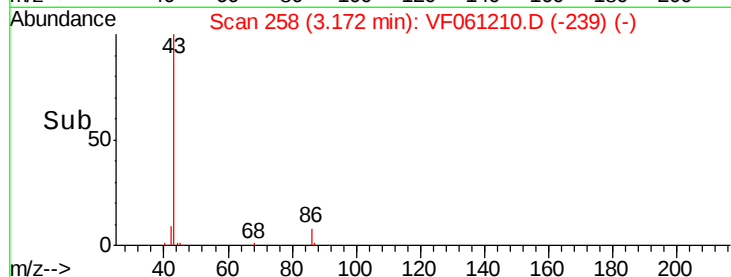
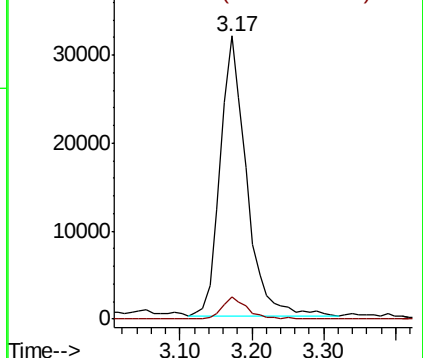
43 100

86 7.8 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 60.797 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

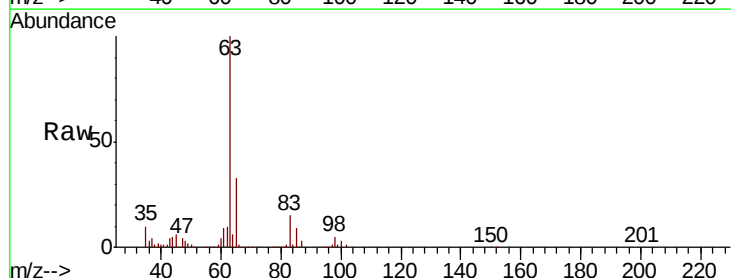
Tgt Ion: 63 Resp: 173050

Ion Ratio Lower Upper

63 100

98 5.1 2.1 6.5

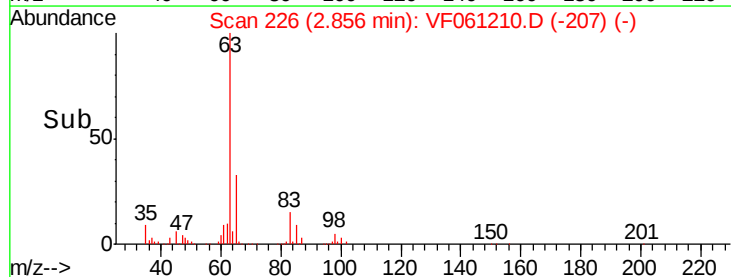
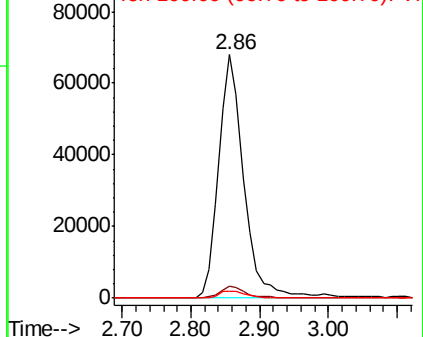
100 2.5 1.7 5.1

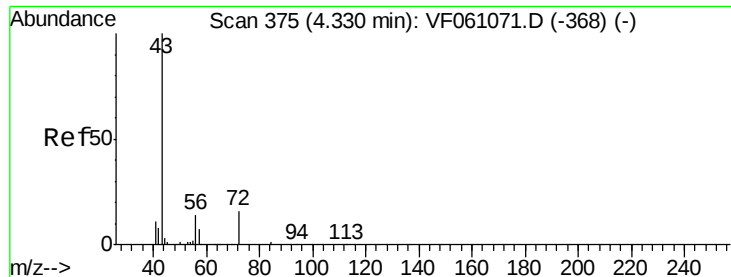


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 304.473 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

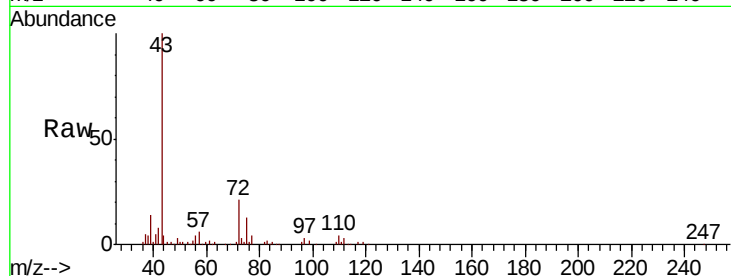
P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 199608

Ion Ratio Lower Upper

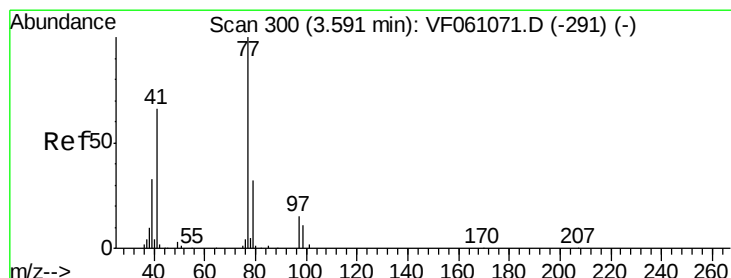
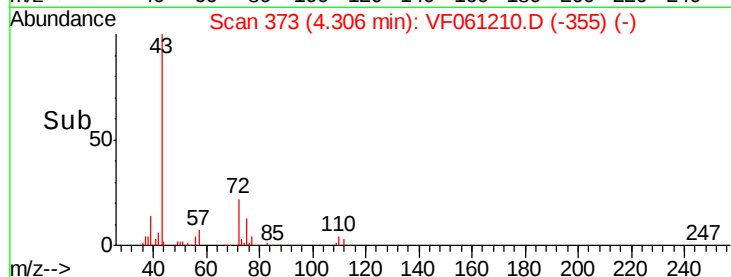
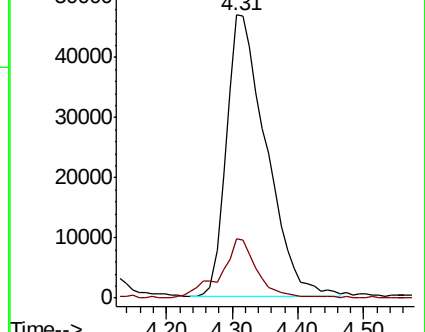
43 100

72 20.9 15.6 23.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 59.297 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061210.D

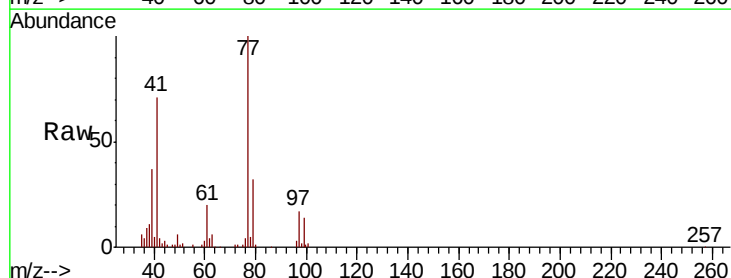
Acq: 27 Dec 2018 16:11

Tgt Ion: 77 Resp: 96859

Ion Ratio Lower Upper

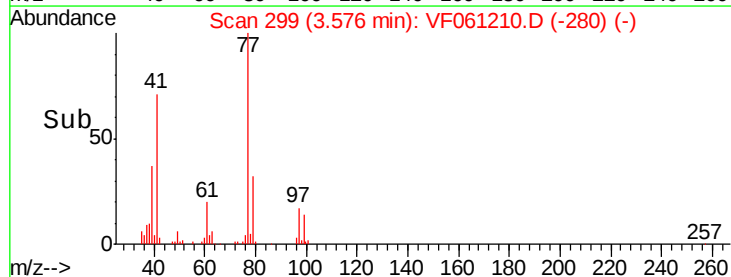
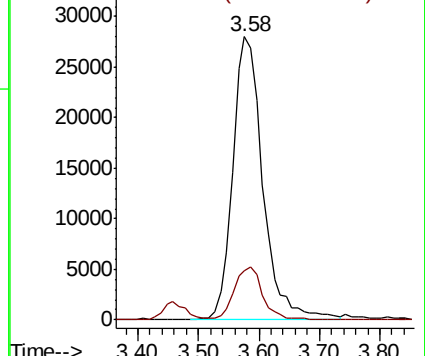
77 100

97 17.4 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



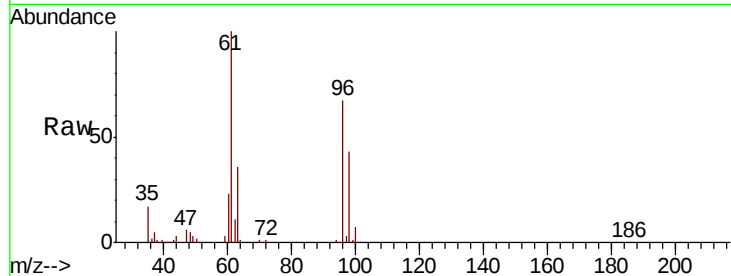


#27

cis-1,2-Dichloroethene
Concen: 54.478 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	287.8
98	64.4	0.0	134.2

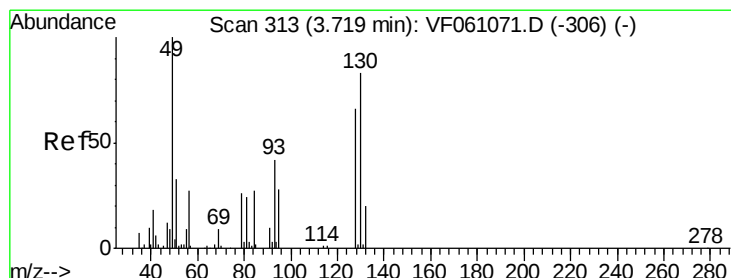
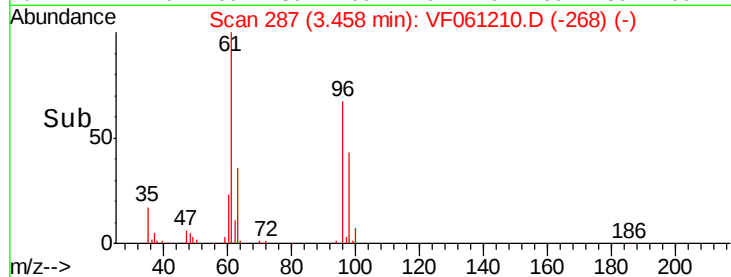
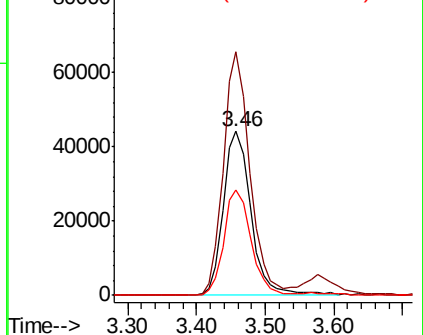


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

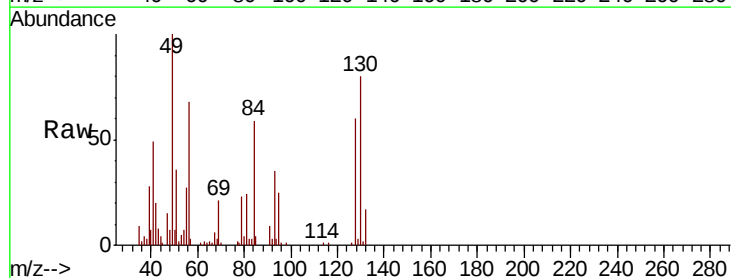
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 57.703 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	3.6
130	80.0	65.8	98.6

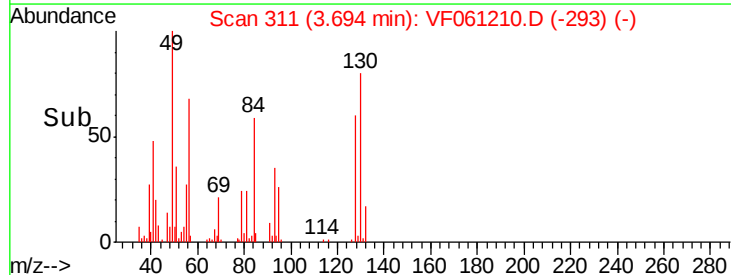
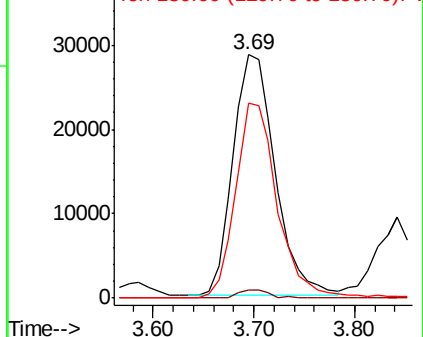


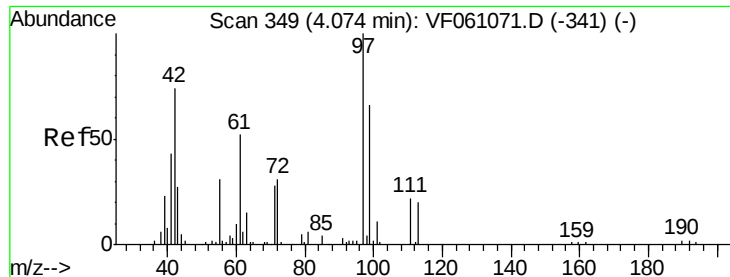
Abundance

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: 317.992 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

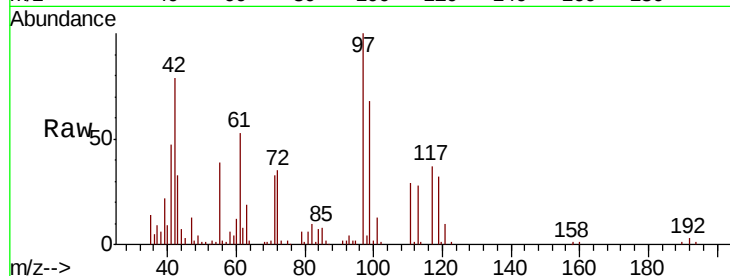
Tot Ion: 42 Resp: 84850

Ion Ratio Lower Upper

42 100

72 39.2 31.8 47.8

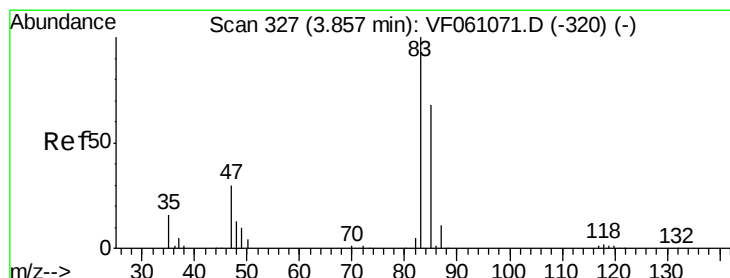
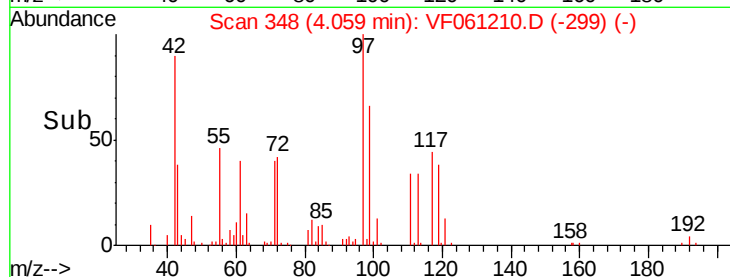
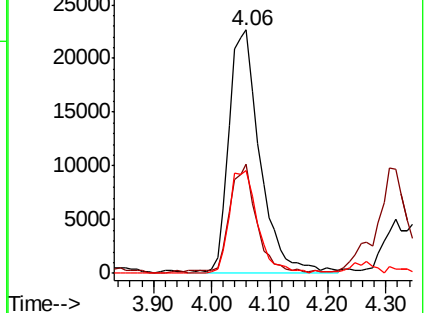
71 38.3 29.7 44.5



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: 57.715 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF061210.D

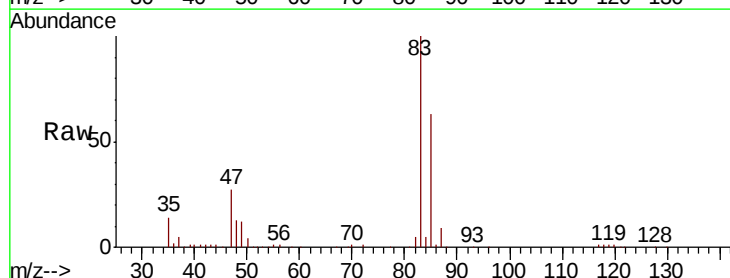
Acq: 27 Dec 2018 16:11

Tgt Ion: 83 Resp: 246321

Ion Ratio Lower Upper

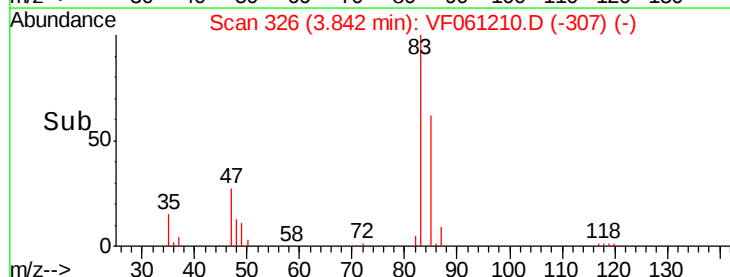
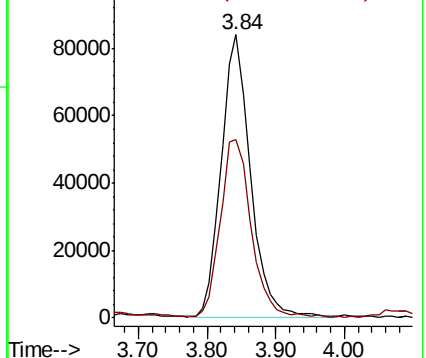
83 100

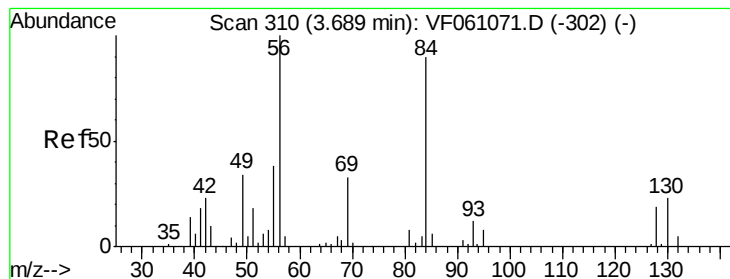
85 63.1 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 47.283 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

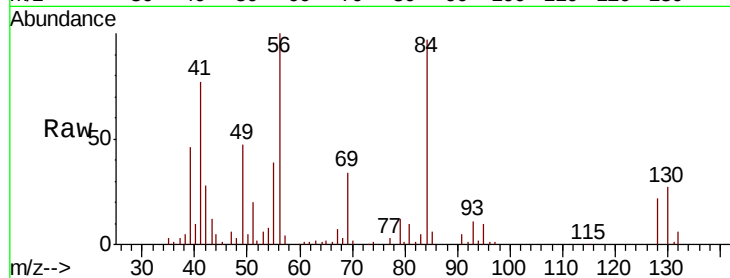
Tot Ion: 56 Resp: 139653

Ion Ratio Lower Upper

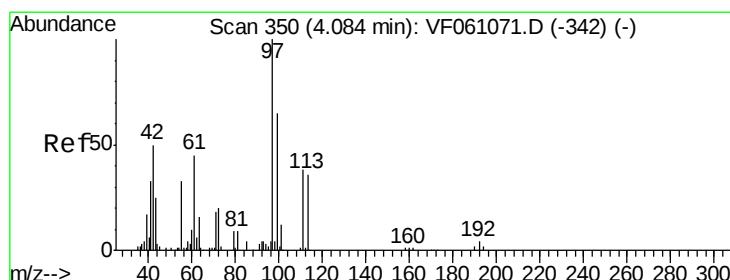
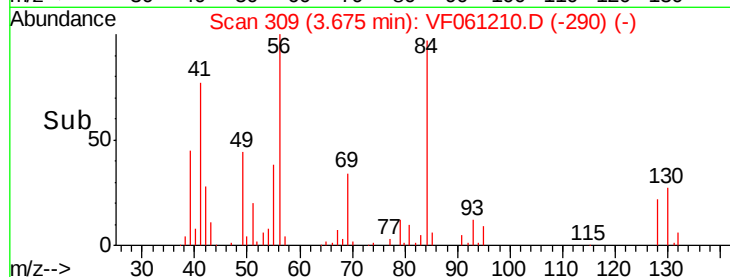
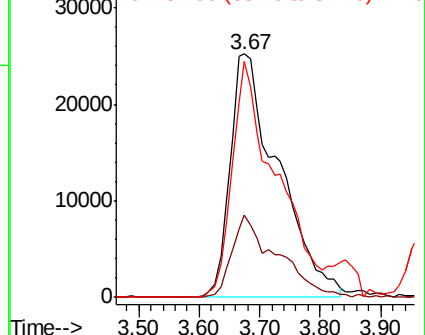
56 100

69 33.9 26.0 39.0

84 96.7 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: 63.694 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

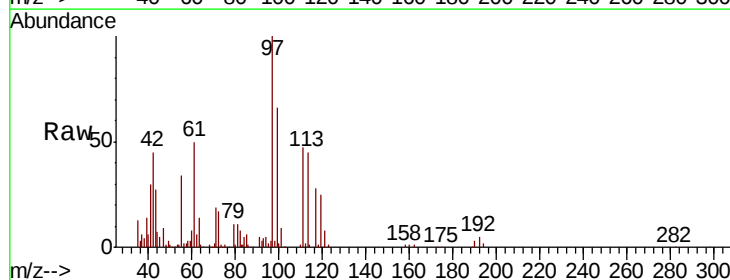
Tgt Ion: 97 Resp: 162935

Ion Ratio Lower Upper

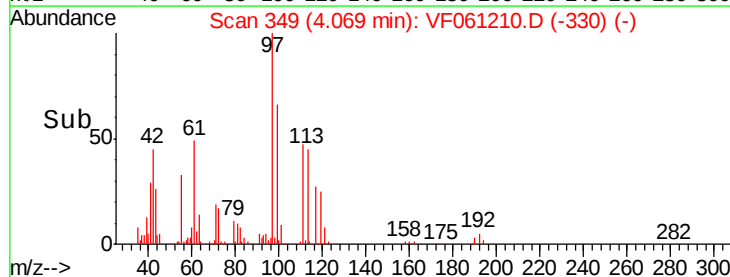
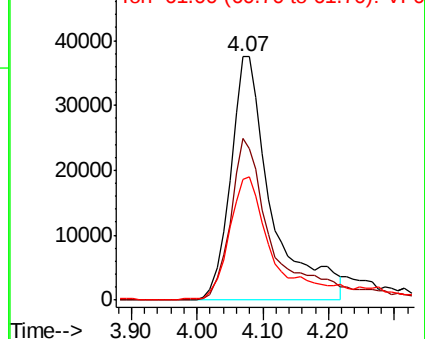
97 100

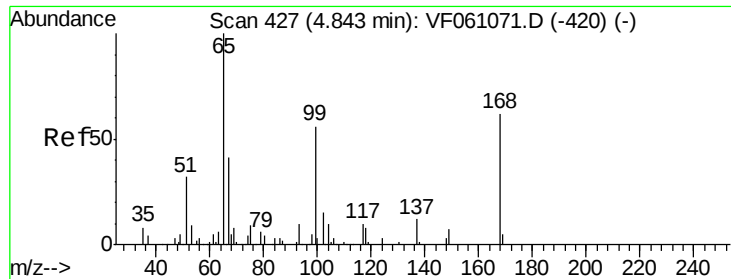
99 66.2 51.6 77.4

61 49.6 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: 56.487 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

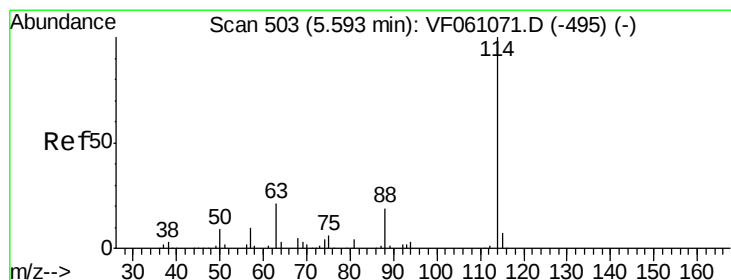
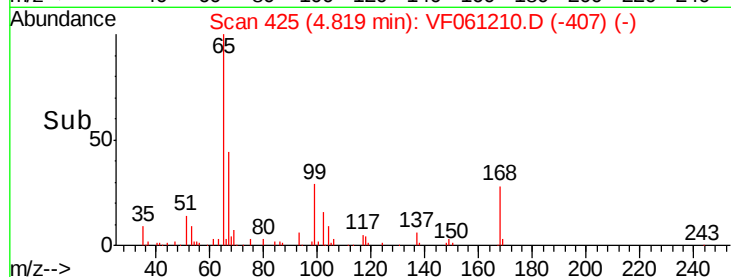
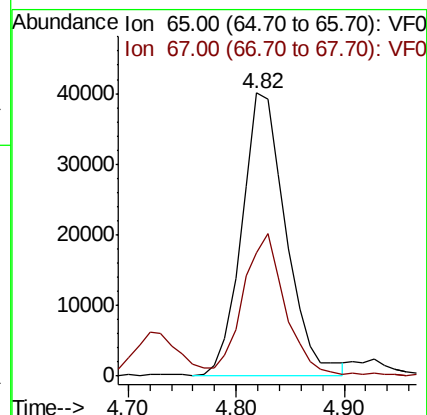
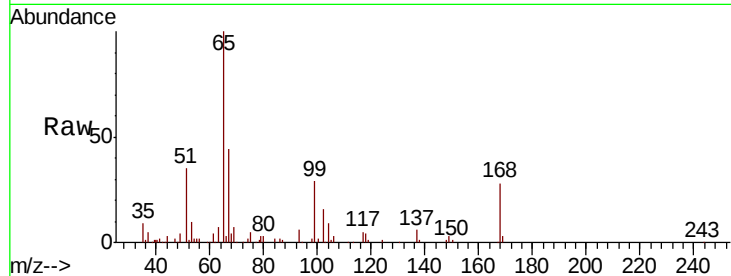
P001-SS001-0612-01MSD

Tot Ion: 65 Resp: 114220

Ion Ratio Lower Upper

65 100

67 43.7 0.0 94.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

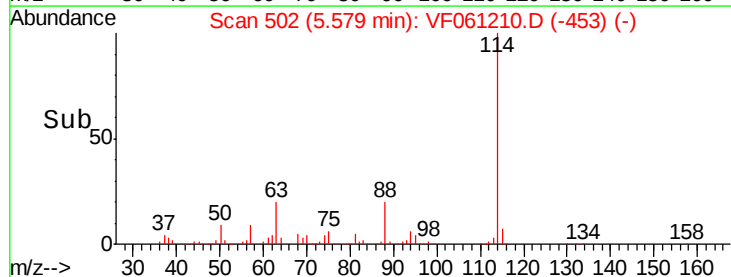
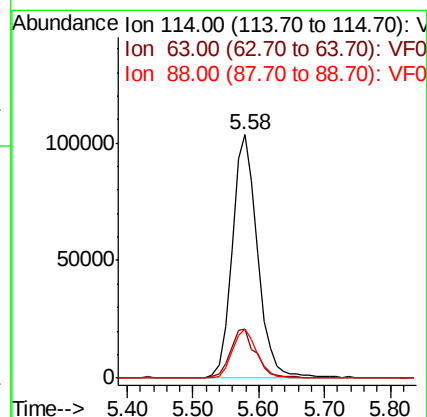
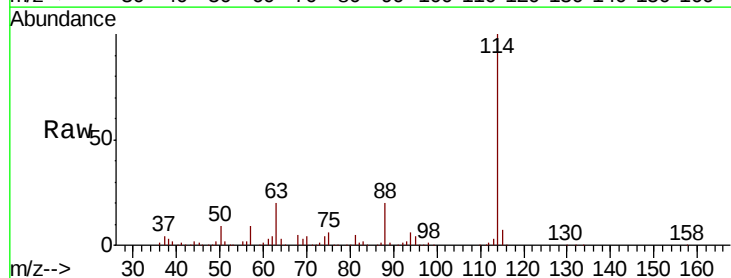
Tgt Ion: 114 Resp: 279203

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

88 20.0 0.0 38.0

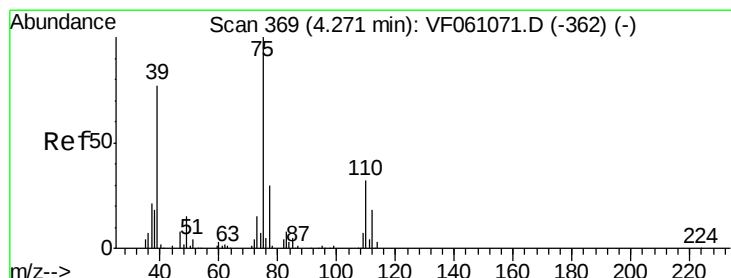
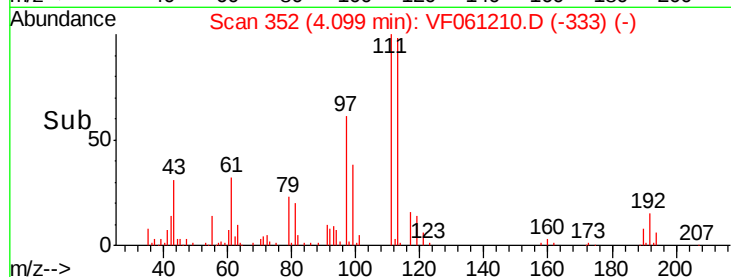
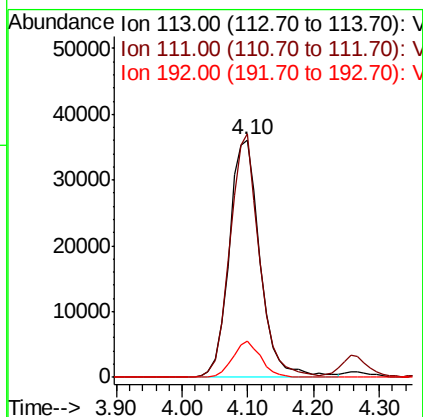
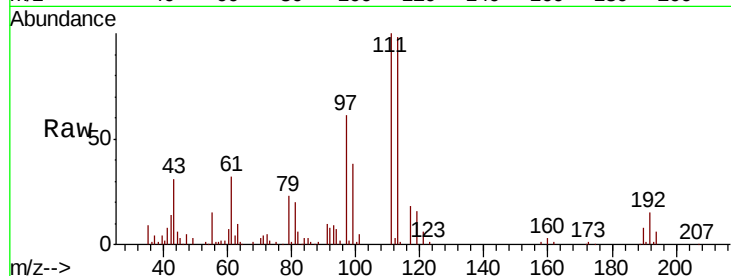




#35
 Dibromofluoromethane
 Concen: 53.256 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

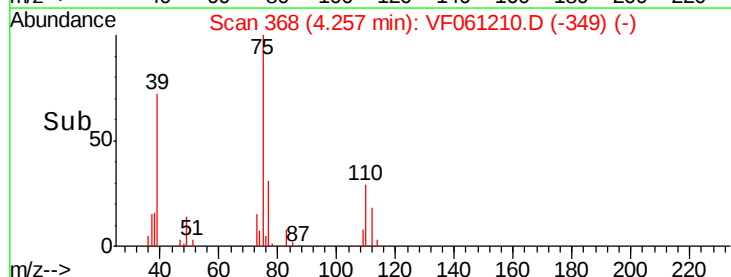
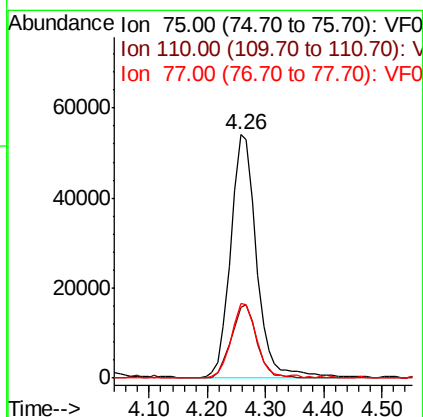
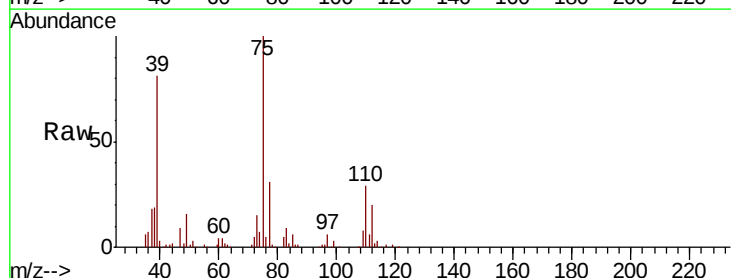
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

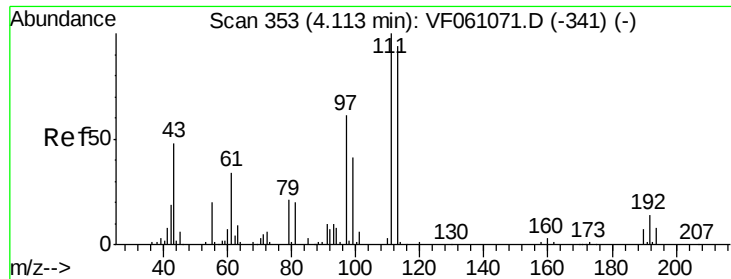
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	85.2	127.8
192	15.4	12.8	19.2



#36
 1,1-Dichloropropene
 Concen: 50.115 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.2	16.1	48.2
77	30.6	24.5	36.7

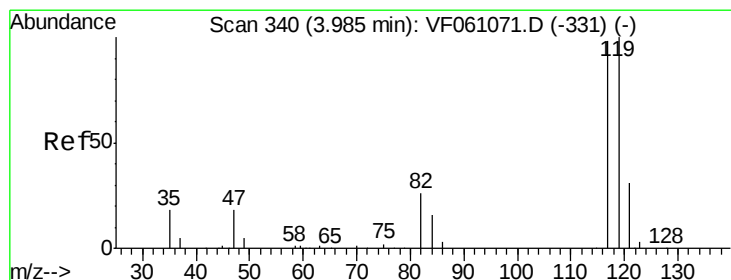
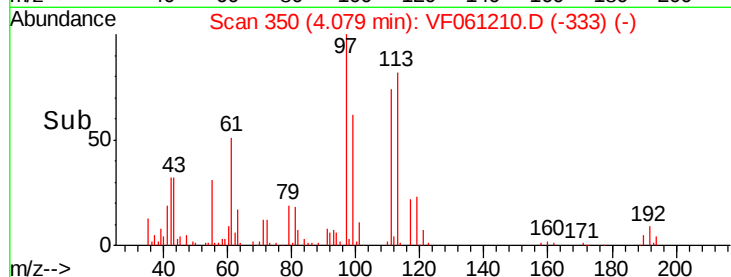
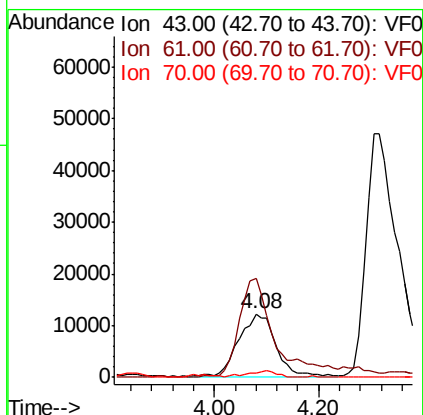
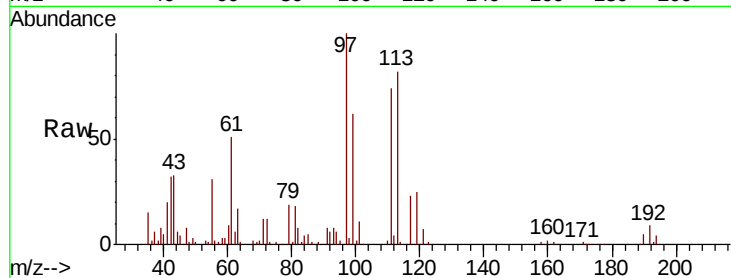




#37
Ethyl Acetate
Concen: 43.508 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

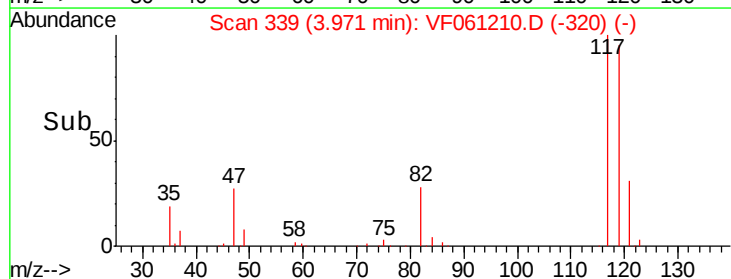
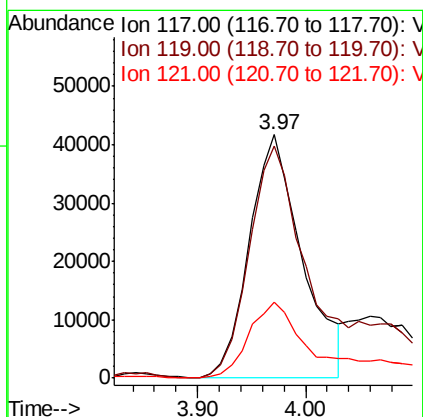
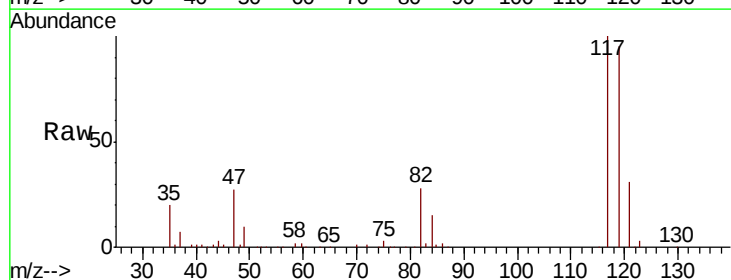
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

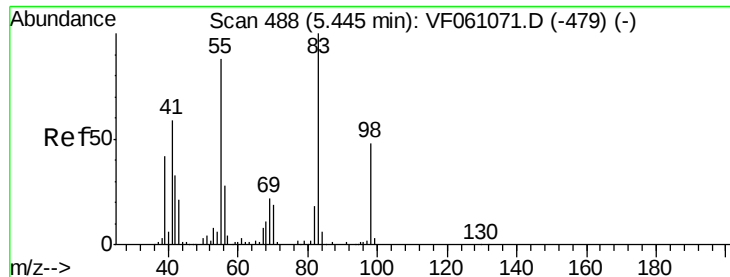
Tot Ion: 43 Resp: 58336
Ion Ratio Lower Upper
43 100
61 156.4 56.6 84.8#
70 6.4 6.3 9.5



#38
Carbon Tetrachloride
Concen: 54.913 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 117 Resp: 140936
Ion Ratio Lower Upper
117 100
119 95.2 82.1 123.1
121 31.2 25.5 38.3

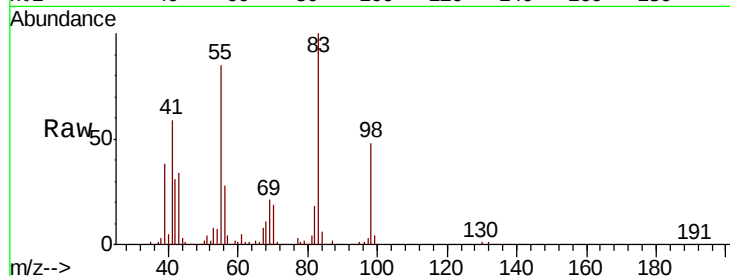




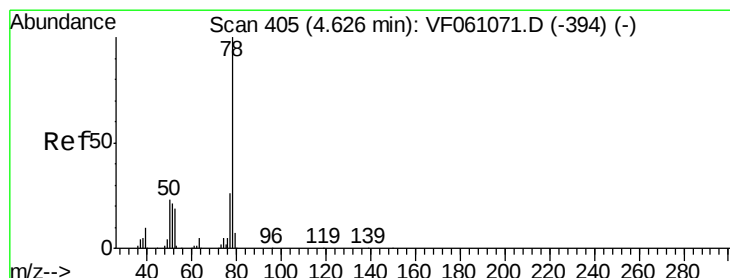
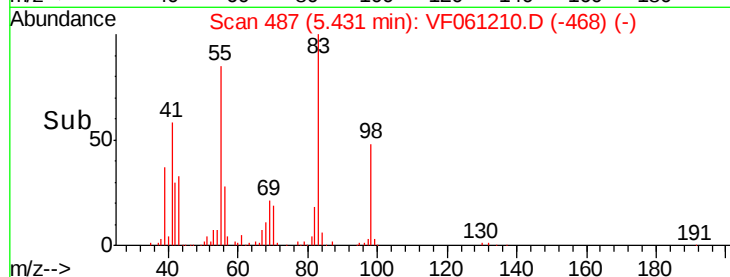
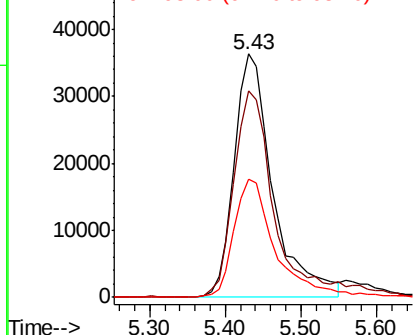
#39
Methvlcvclohexane
Concen: 42.812 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion: 83 Resp: 129443
Ion Ratio Lower Upper
83 100
55 84.8 70.6 105.8
98 48.3 38.5 57.7

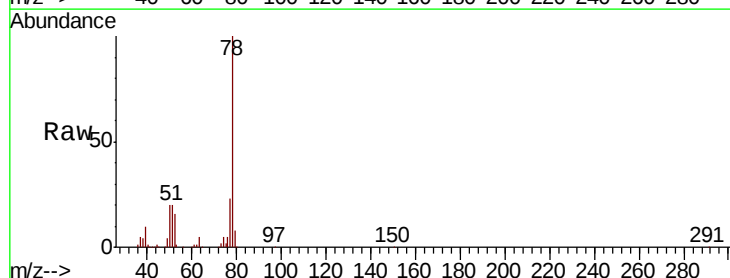


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

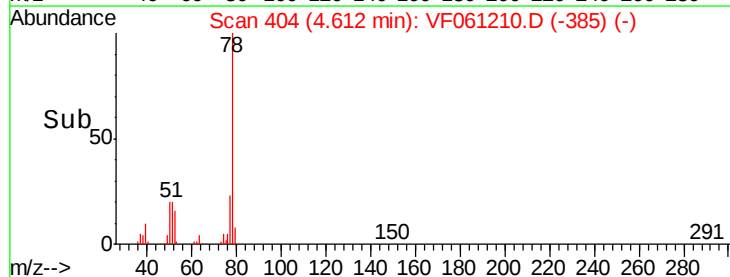
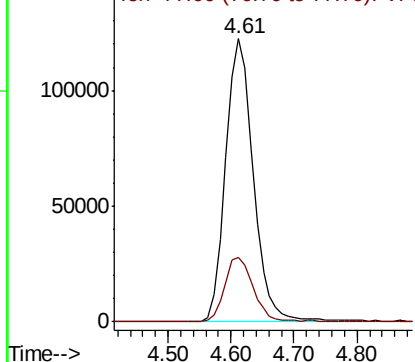


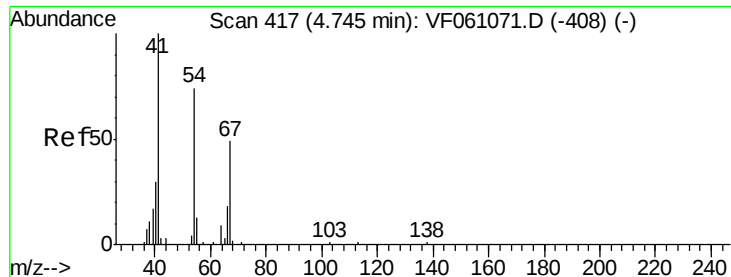
#40
Benzene
Concen: 51.378 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 78 Resp: 372368
Ion Ratio Lower Upper
78 100
77 22.9 20.7 31.1



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

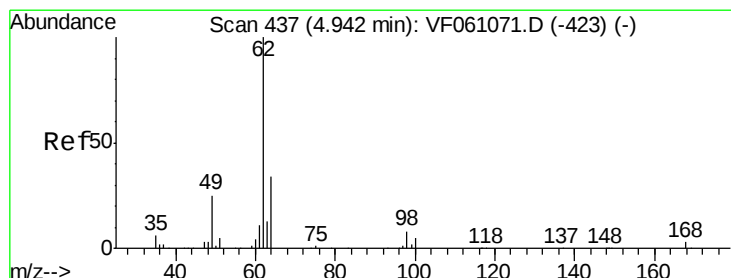
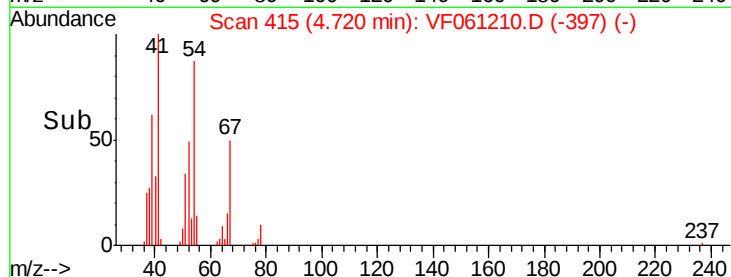
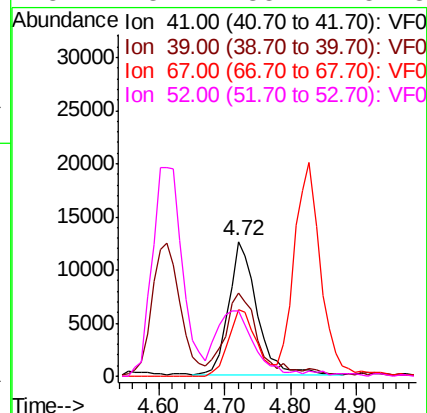
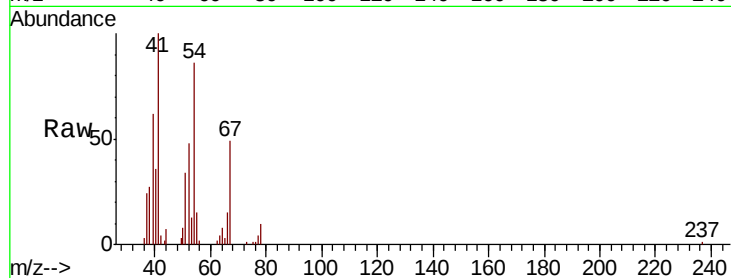




#41
Methacrylonitrile
Concen: 53.558 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

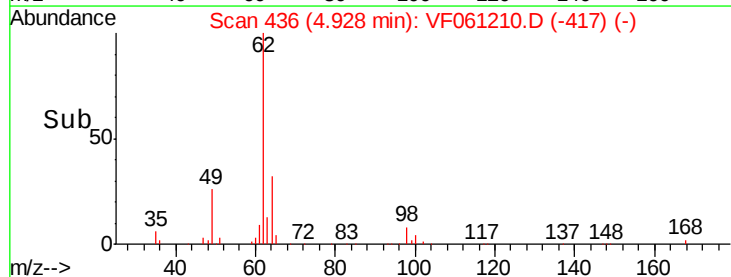
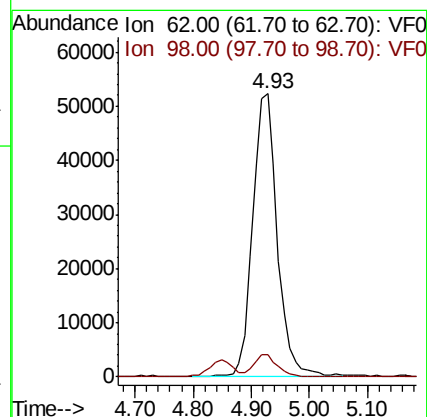
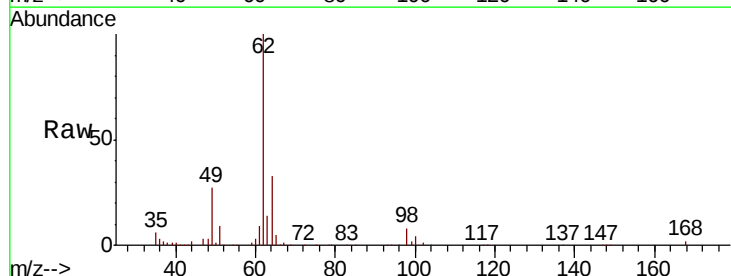
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

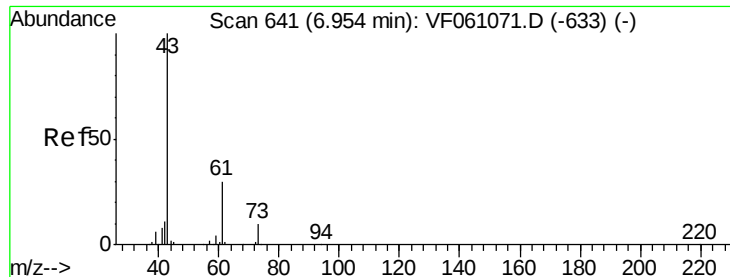
Tot Ion:	41	Resp:	38120
Ion	Ratio	Lower	Upper
41	100		
39	61.7	45.7	68.5
67	49.4	38.9	58.3
52	48.4	35.2	52.8



#42
1,2-Dichloroethane
Concen: 56.668 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion:	62	Resp:	156020
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.6



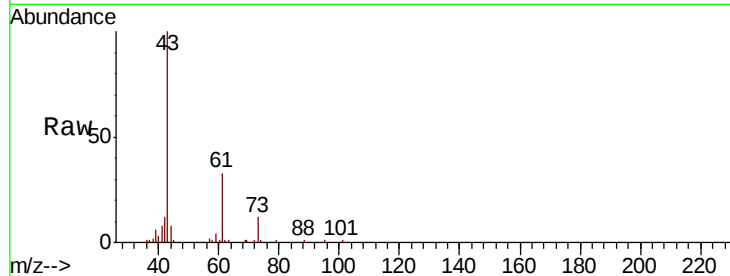


#43

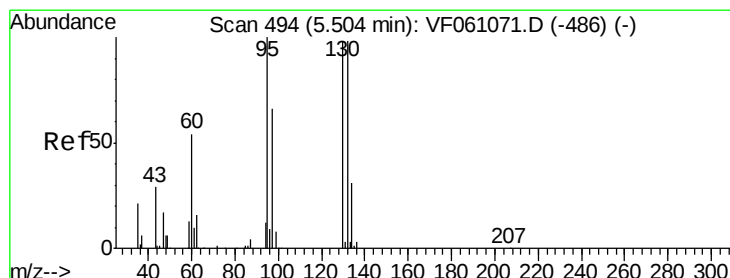
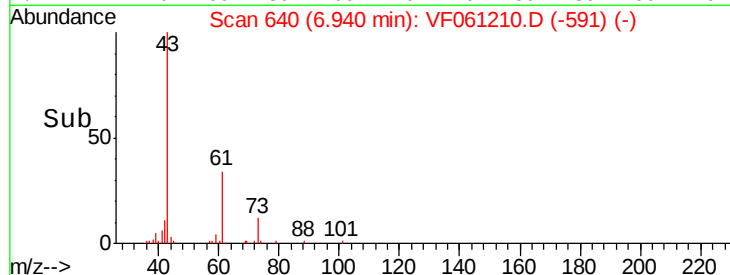
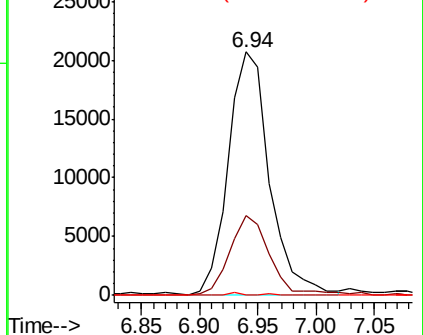
Isopropyl Acetate
 Concen: 31.342 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 51003
 Ion Ratio Lower Upper
 43 100
 61 32.6 23.8 35.8
 87 0.0 0.0 0.0



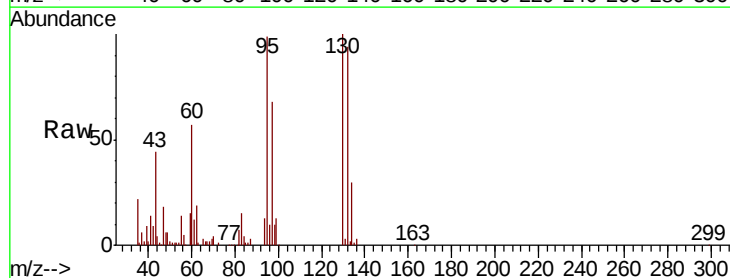
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



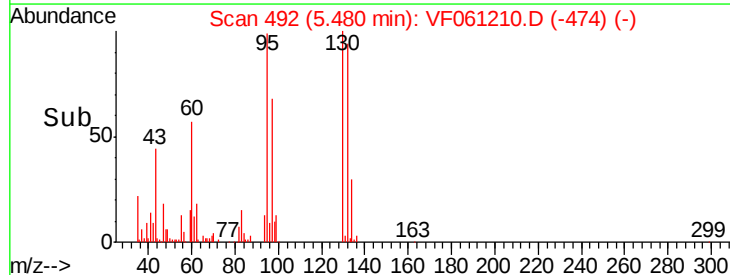
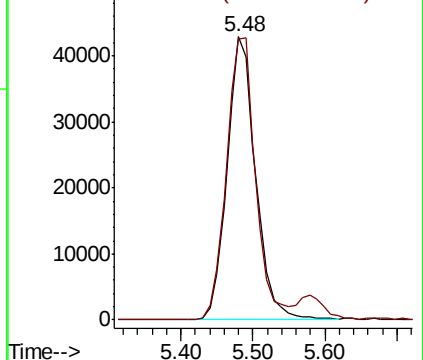
#44

Trichloroethene
 Concen: 51.749 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion: 130 Resp: 118246
 Ion Ratio Lower Upper
 130 100
 95 99.1 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: 53.867 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

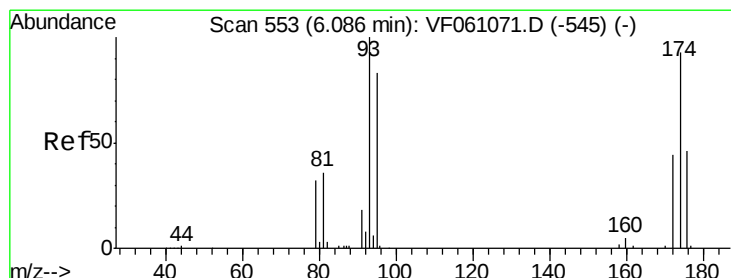
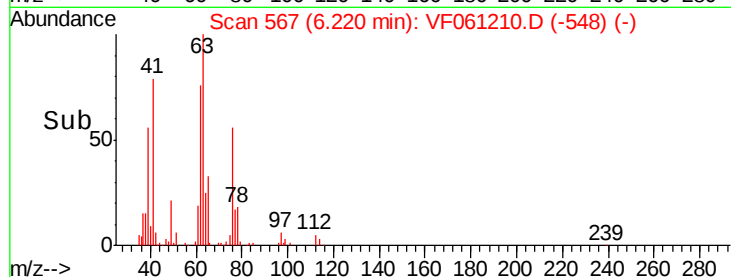
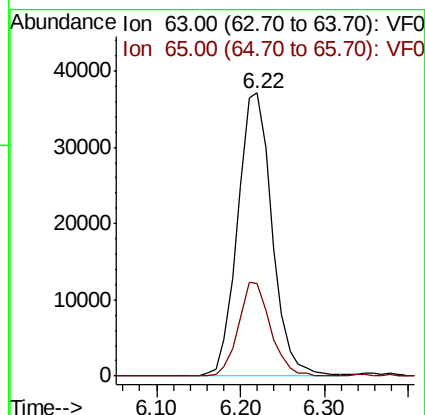
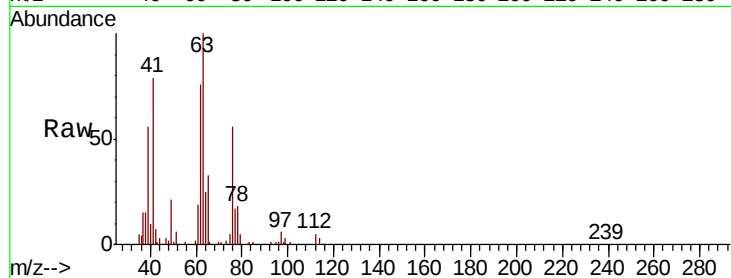
P001-SS001-0612-01MSD

Tot Ion: 63 Resp: 106216

Ion Ratio Lower Upper

63 100

65 32.8 24.4 36.6



#46

Dibromomethane

Concen: 57.065 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

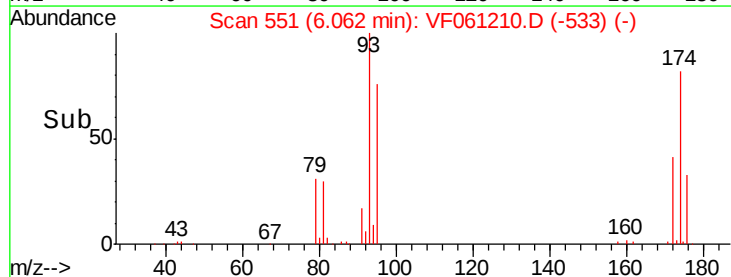
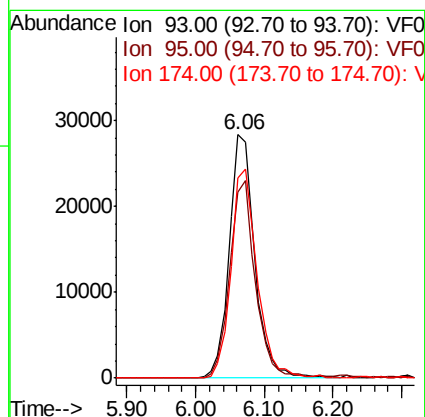
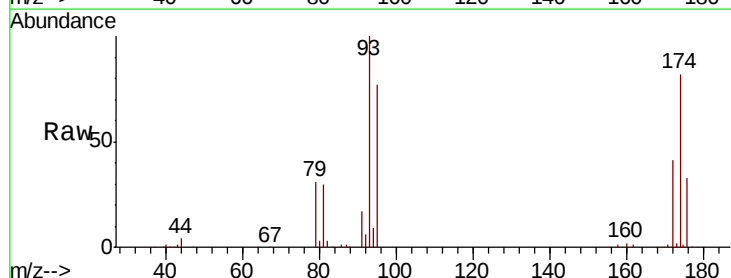
Tgt Ion: 93 Resp: 72980

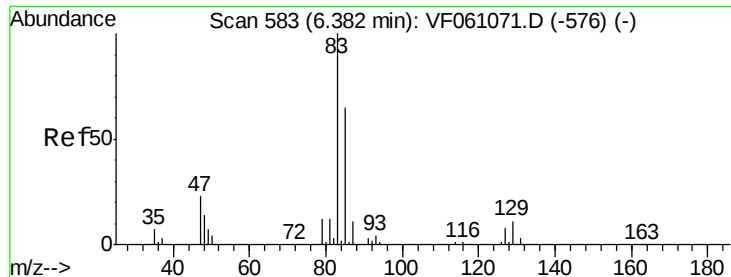
Ion Ratio Lower Upper

93 100

95 76.6 66.9 100.3

174 82.1 74.1 111.1





#47

Bromodichloromethane

Concen: 54.132 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

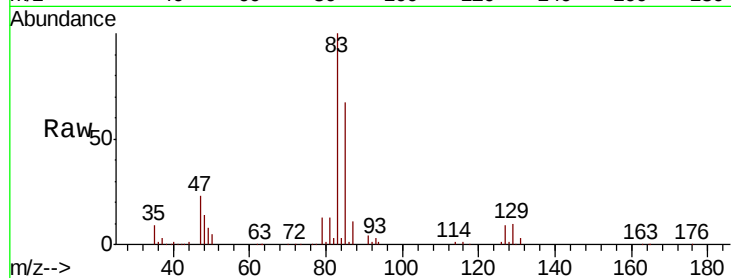
Tot Ion: 83 Resp: 179875

Ion Ratio Lower Upper

83 100

85 66.9 52.2 78.4

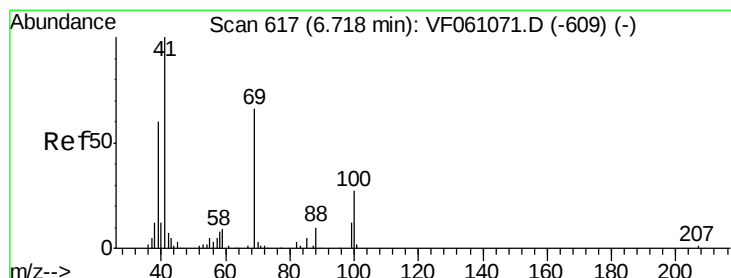
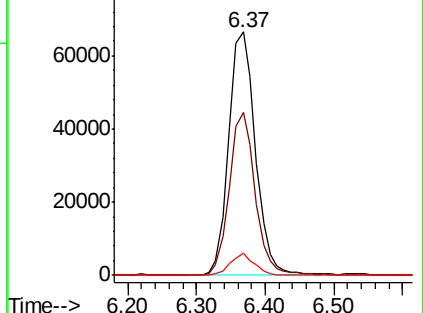
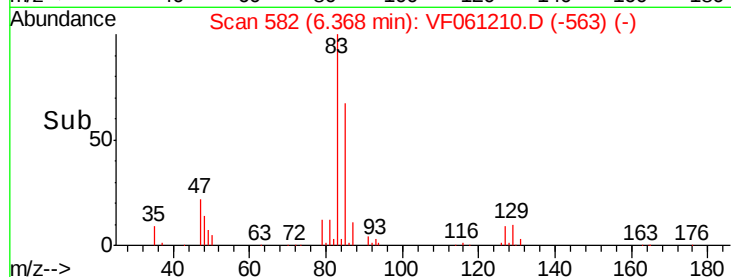
127 9.1 6.1 9.1



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: 67.728 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

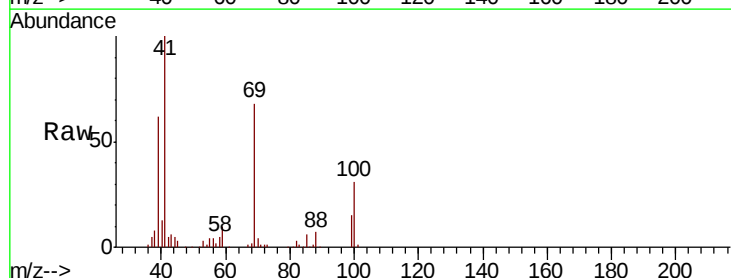
Tgt Ion: 41 Resp: 76940

Ion Ratio Lower Upper

41 100

69 67.7 52.7 79.1

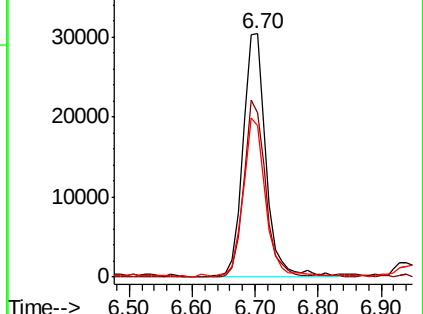
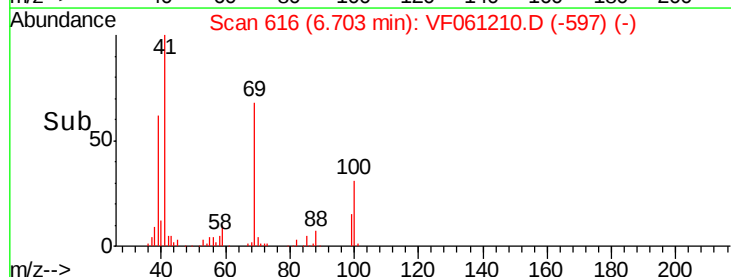
39 62.1 47.8 71.6

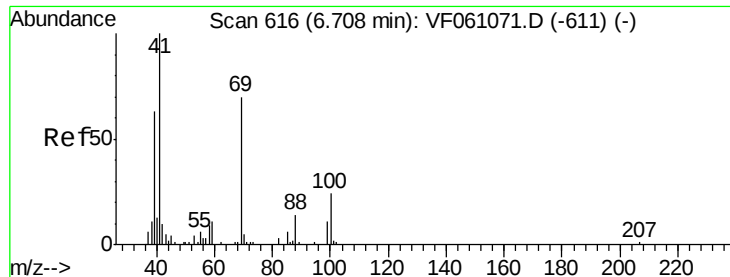


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

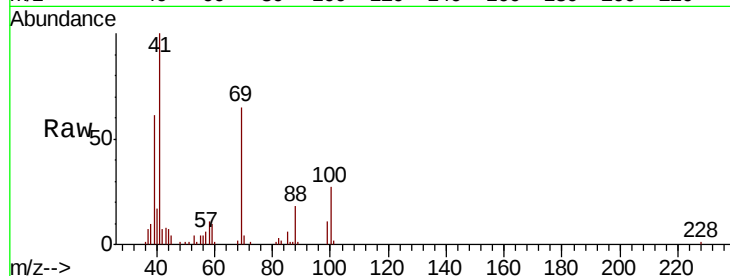




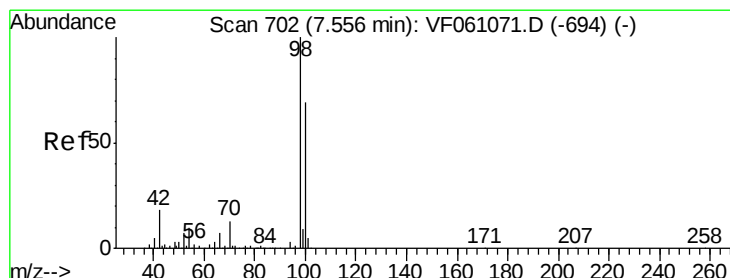
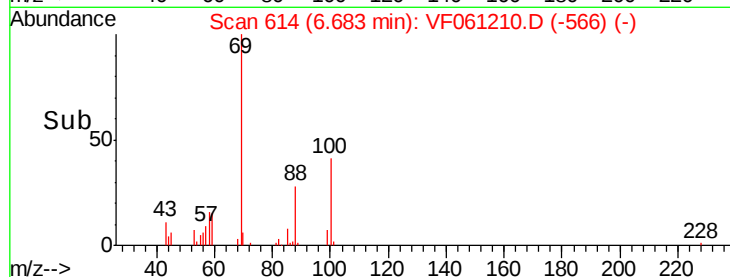
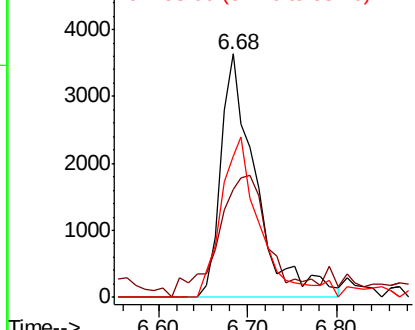
#49
1,4-Dioxane
Concen: 1223.956 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion: 88 Resp: 10089
Ion Ratio Lower Upper
88 100
43 44.5 33.3 49.9
58 57.8 53.2 79.8

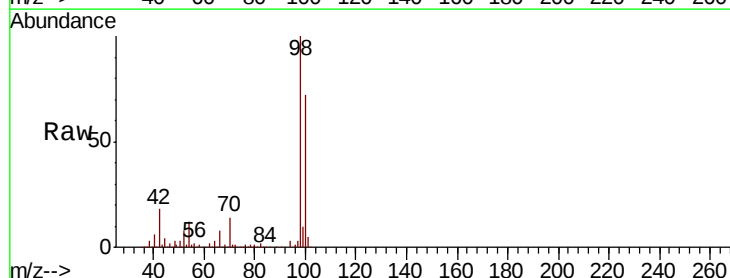


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

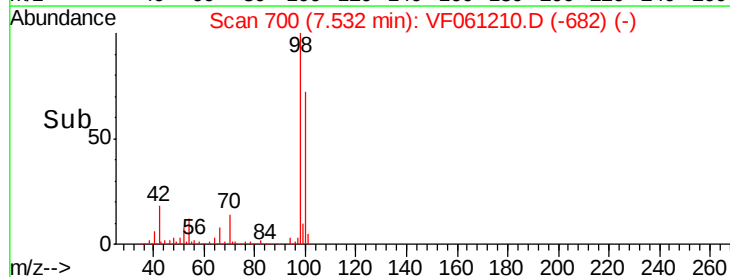
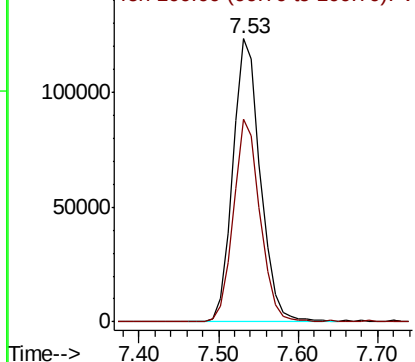


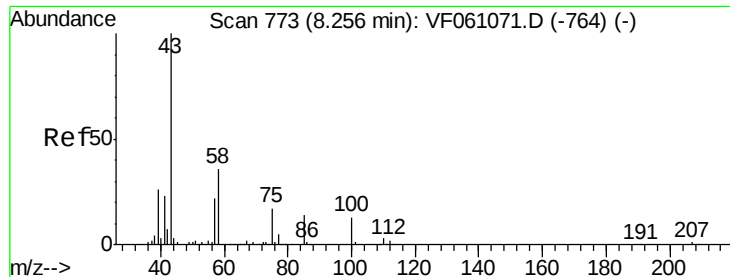
#50
Toluene-d8
Concen: 46.833 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 98 Resp: 296839
Ion Ratio Lower Upper
98 100
100 71.8 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 303.804 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

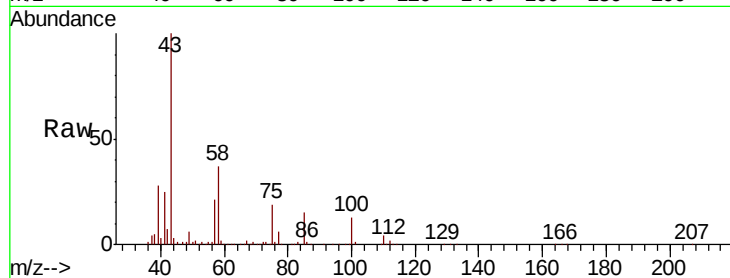
P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 339055

Ion Ratio Lower Upper

43 100

58 36.7 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

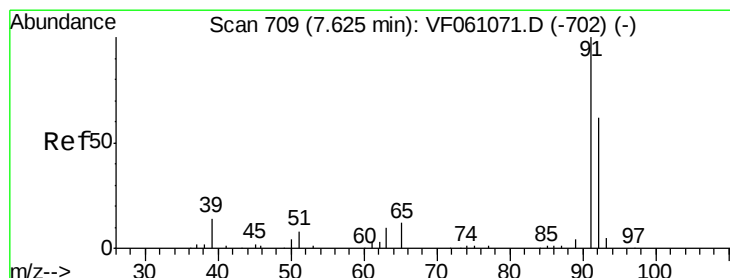
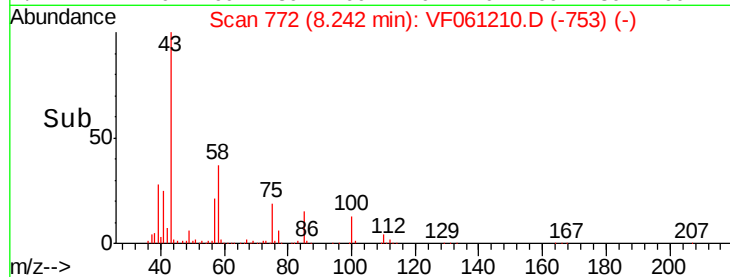
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.423 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061210.D

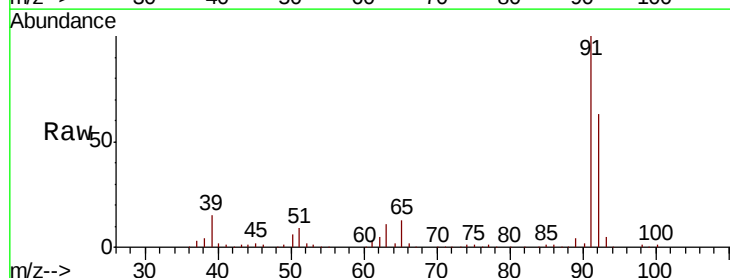
Acq: 27 Dec 2018 16:11

Tgt Ion: 92 Resp: 241906

Ion Ratio Lower Upper

92 100

91 159.7 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.60

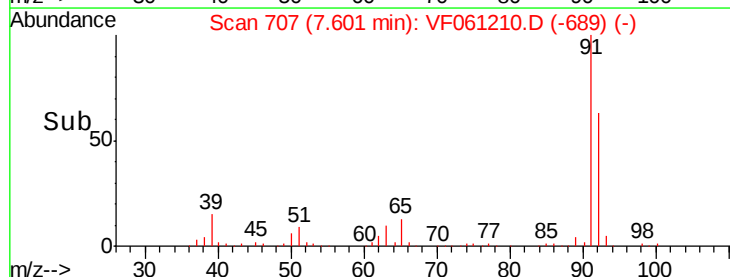
150000

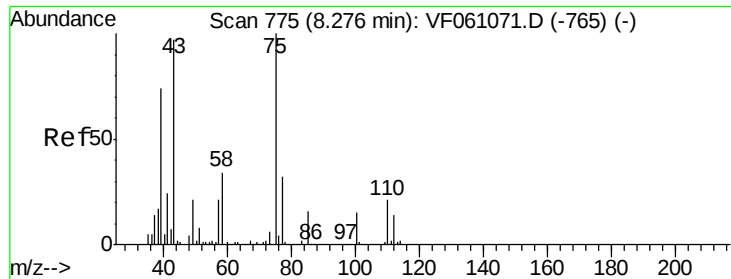
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.597 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

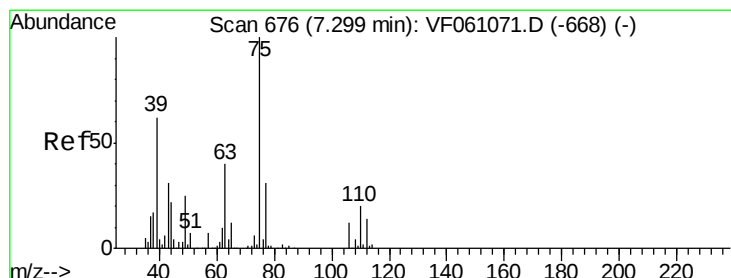
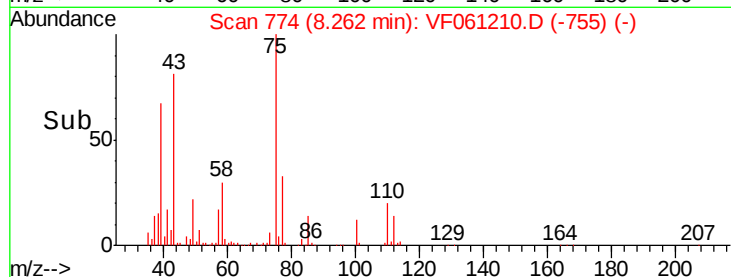
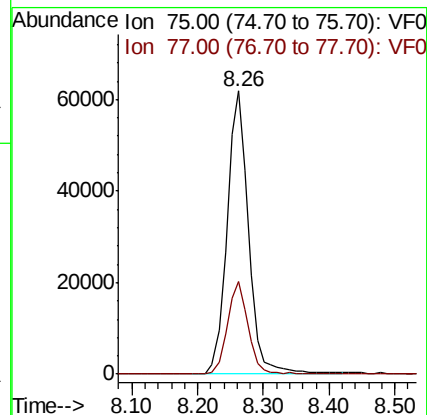
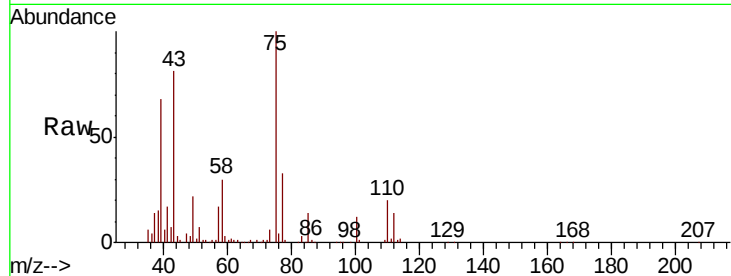
P001-SS001-0612-01MSD

Tot Ion: 75 Resp: 140992

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 52.049 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

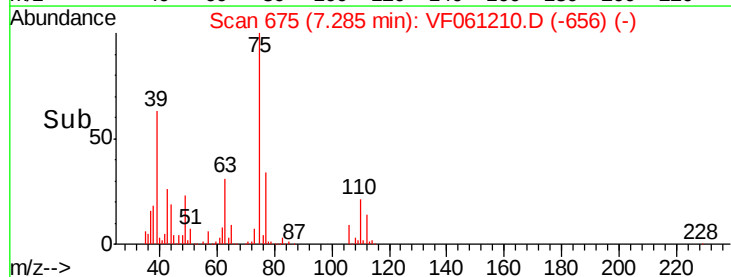
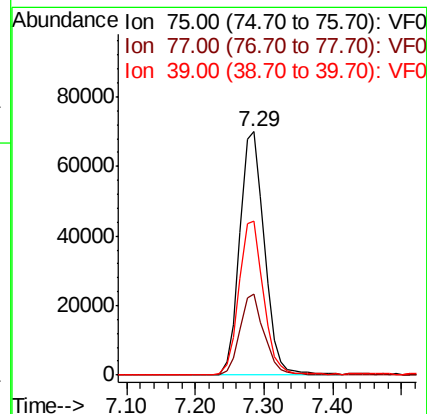
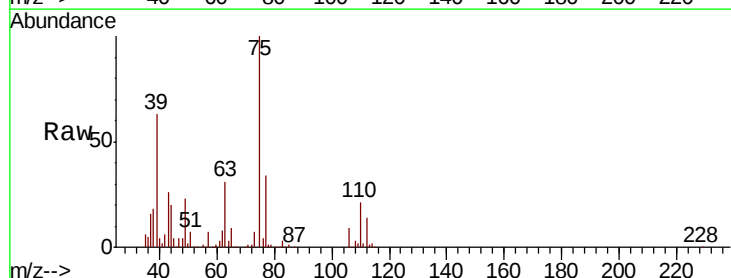
Tgt Ion: 75 Resp: 175113

Ion Ratio Lower Upper

75 100

77 33.6 25.0 37.4

39 63.3 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 56.173 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 97 Resp: 80789

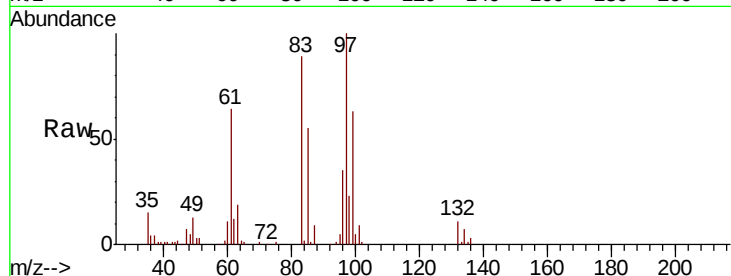
Ion	Ratio	Lower	Upper
97	100		
83	89.3	75.0	112.4
85	55.3	47.5	71.3
99	62.9	51.9	77.9

97 100

83 89.3 75.0 112.4

85 55.3 47.5 71.3

99 62.9 51.9 77.9



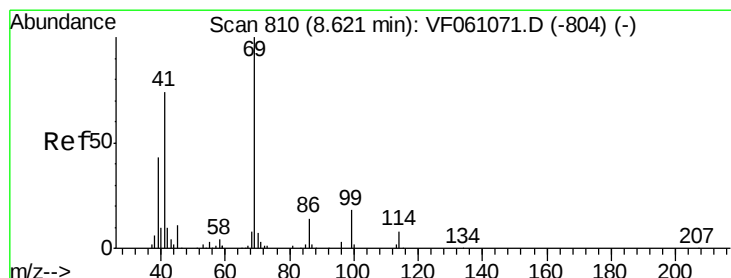
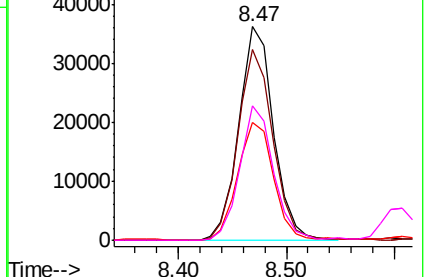
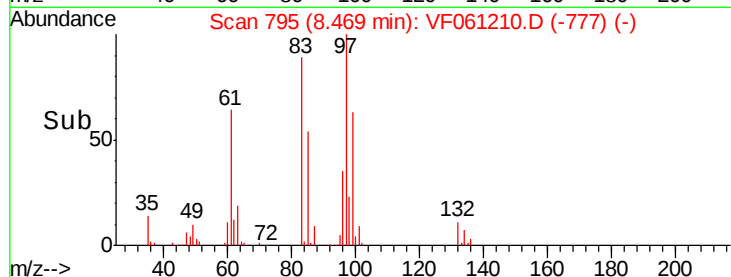
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 40.988 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

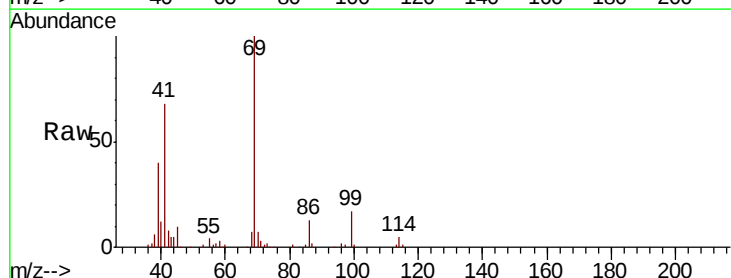
Tgt Ion: 69 Resp: 63788

Ion	Ratio	Lower	Upper
69	100		
41	68.4	59.7	89.5
39	39.7	35.0	52.6

69 100

41 68.4 59.7 89.5

39 39.7 35.0 52.6

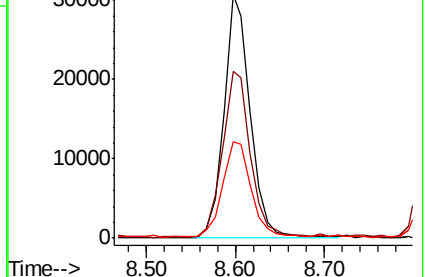
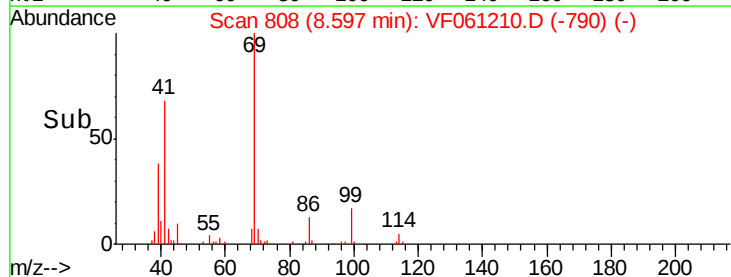


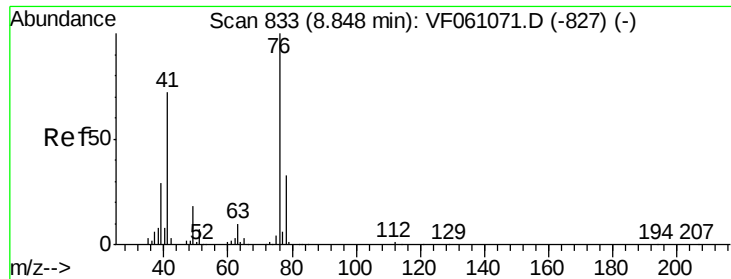
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 58.762 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

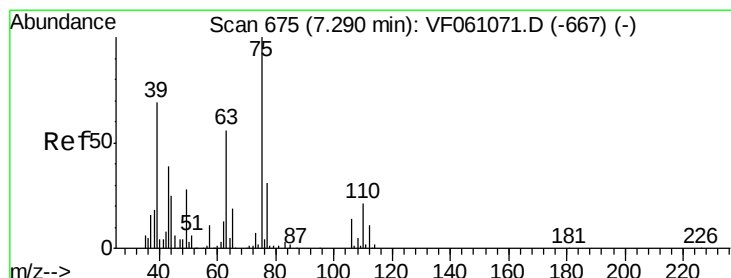
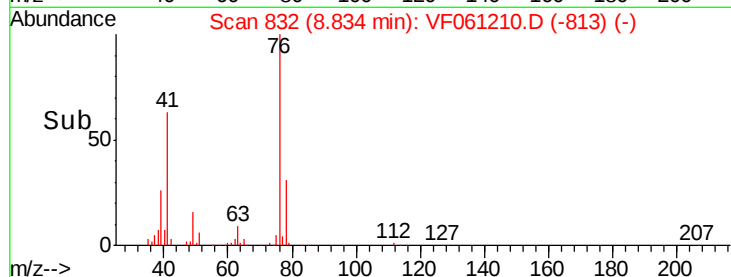
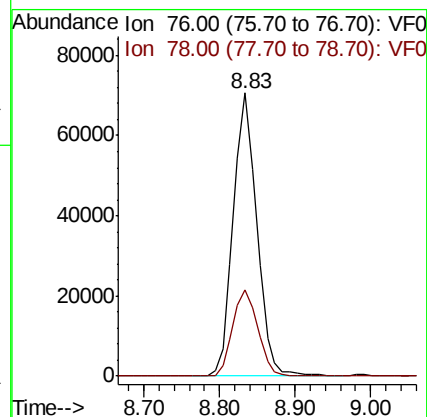
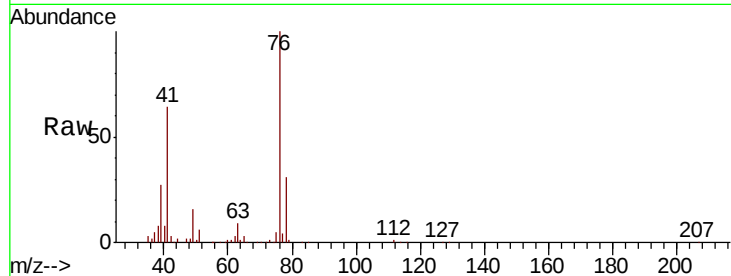
P001-SS001-0612-01MSD

Tot Ion: 76 Resp: 152853

Ion Ratio Lower Upper

76 100

78 30.6 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 206.281 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061210.D

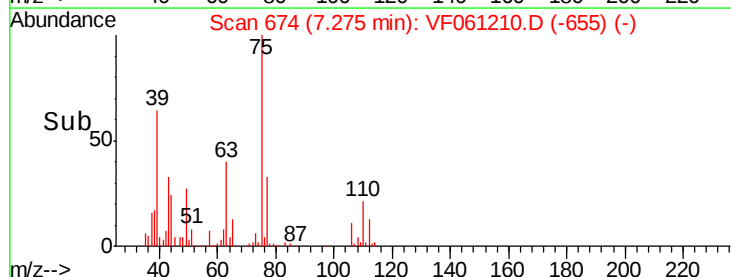
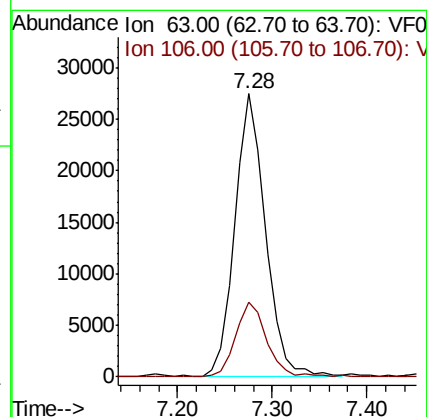
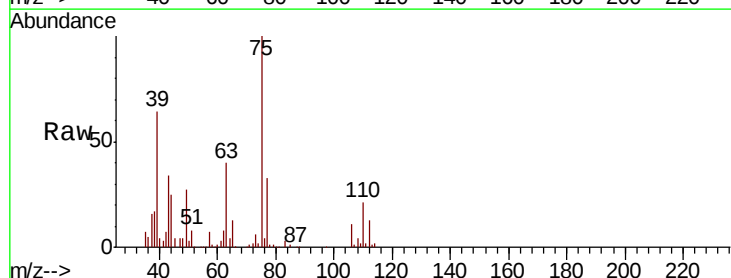
Acq: 27 Dec 2018 16:11

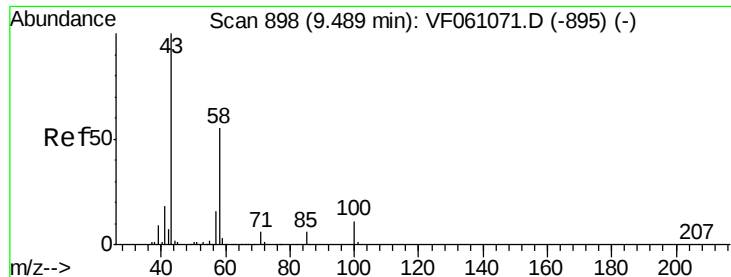
Tgt Ion: 63 Resp: 61656

Ion Ratio Lower Upper

63 100

106 26.6 19.8 29.8

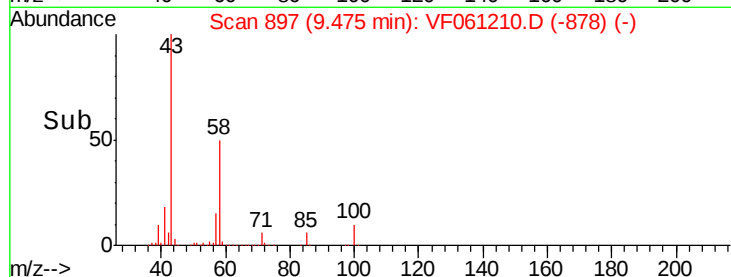
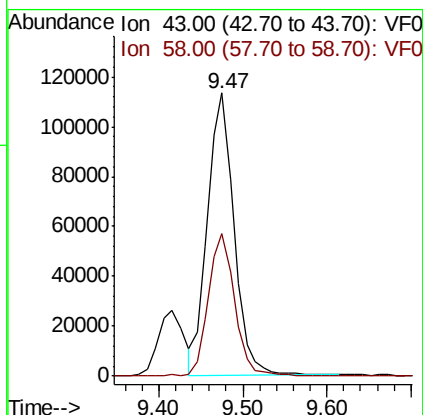
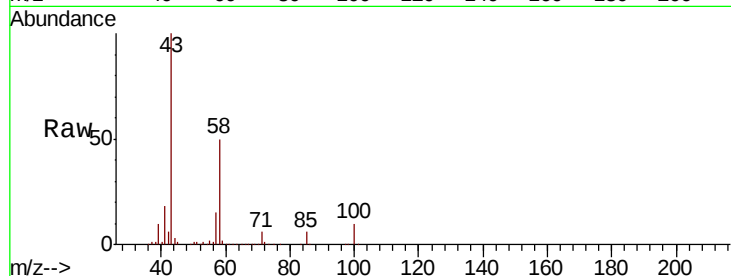




#59
2-Hexanone
Concen: 309.077 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

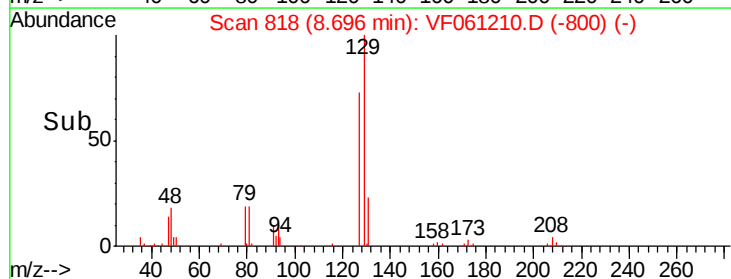
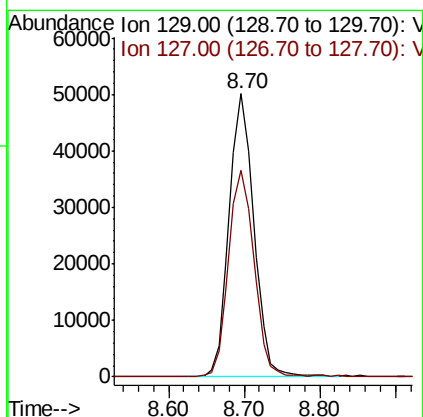
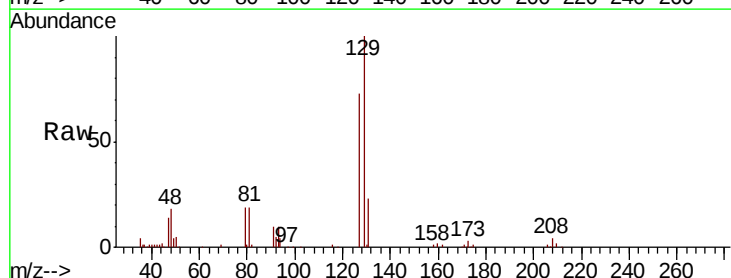
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

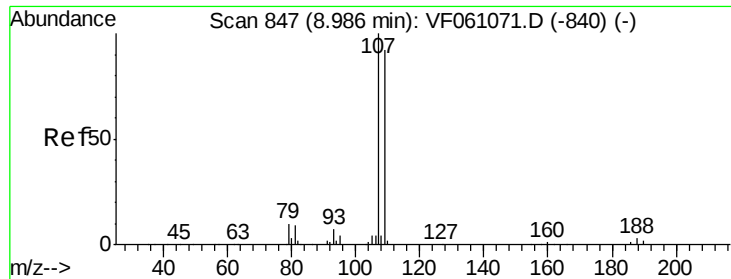
Tot Ion: 43 Resp: 249452
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.2



#60
Dibromochloromethane
Concen: 55.400 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 129 Resp: 114216
Ion Ratio Lower Upper
129 100
127 73.1 36.8 110.3





#61

1,2-Dibromoethane

Concen: 53.637 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

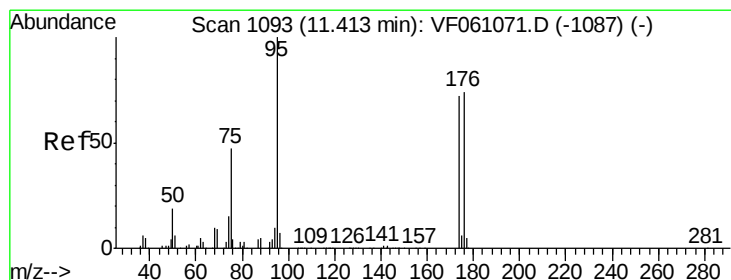
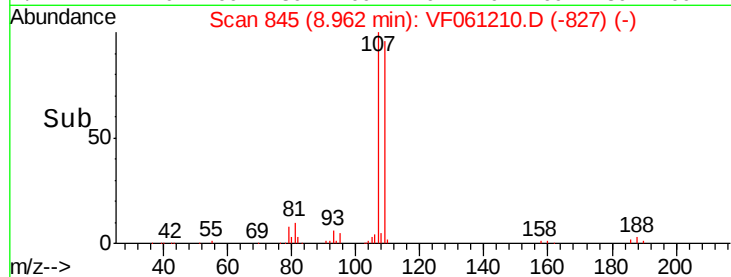
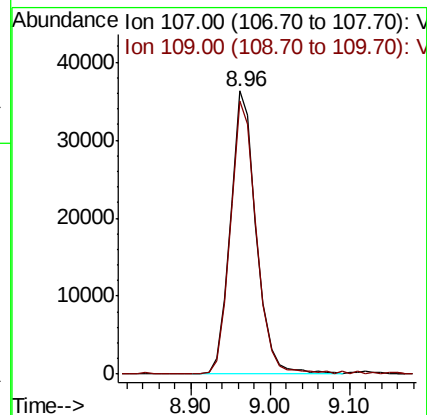
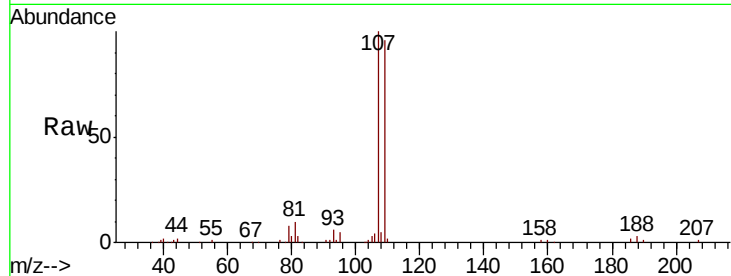
P001-SS001-0612-01MSD

Tot Ion: 107 Resp: 82387

Ion Ratio Lower Upper

107 100

109 96.5 73.7 110.5



#62

4-Bromofluorobenzene

Concen: 42.308 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

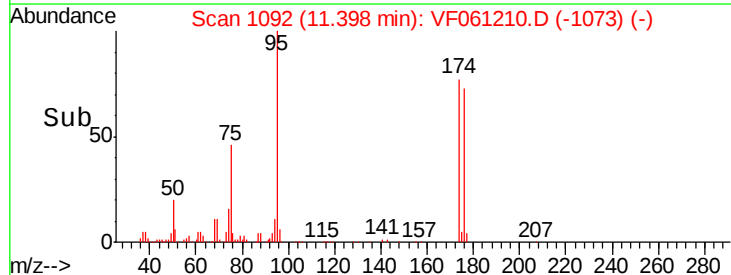
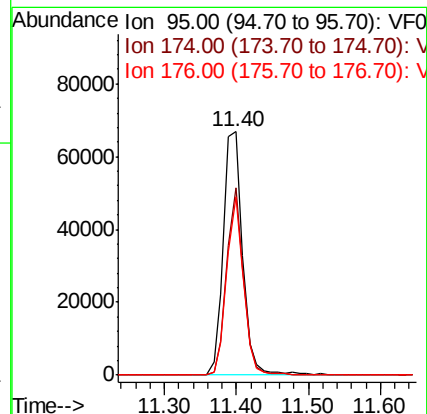
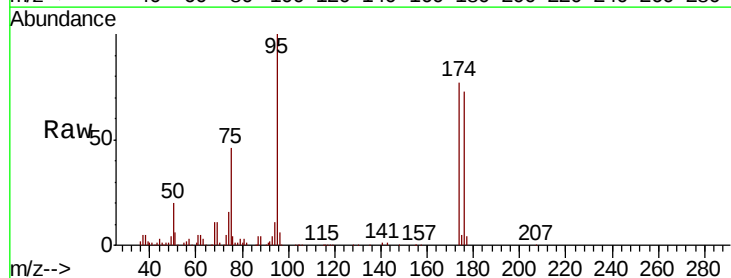
Tgt Ion: 95 Resp: 123624

Ion Ratio Lower Upper

95 100

174 77.0 0.0 143.8

176 73.2 0.0 147.6

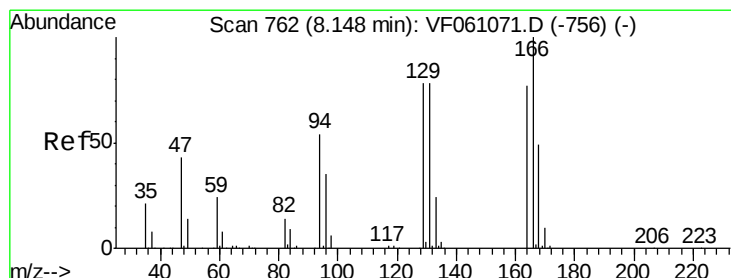
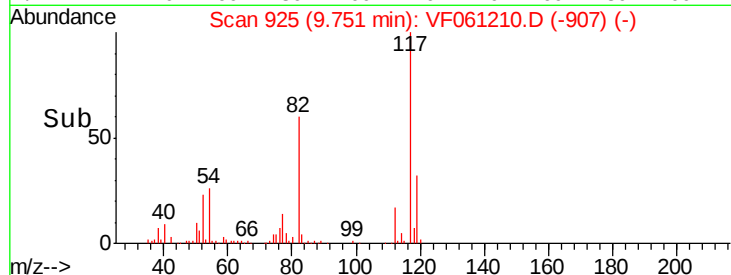
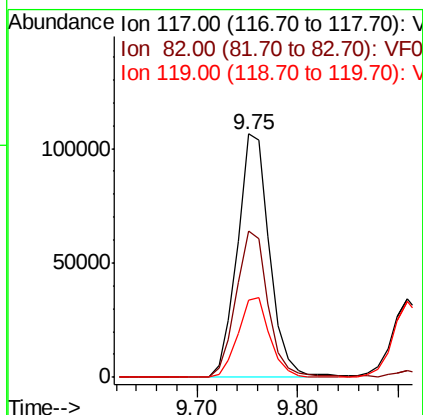
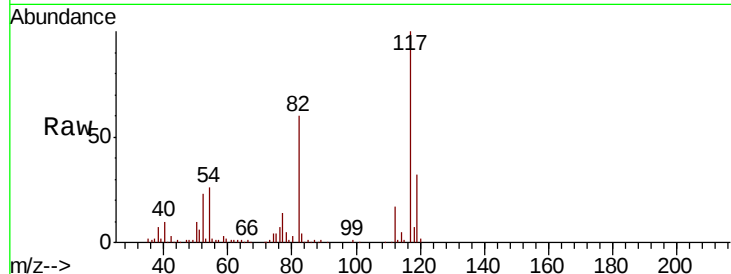




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

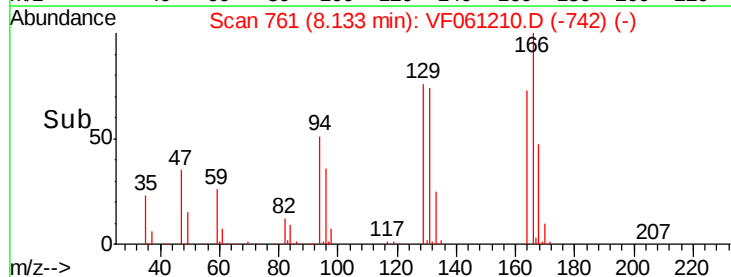
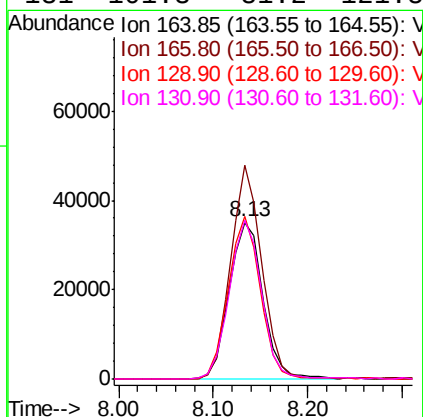
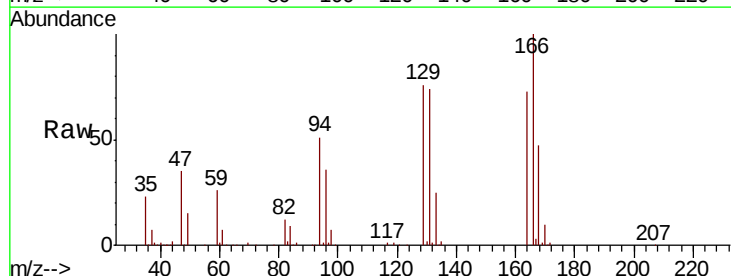
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.0	67.4
119	31.8	24.8	37.2



#64
Tetrachloroethene
Concen: 47.479 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.3	104.0	156.0
129	104.1	81.1	121.7
131	101.3	81.2	121.8

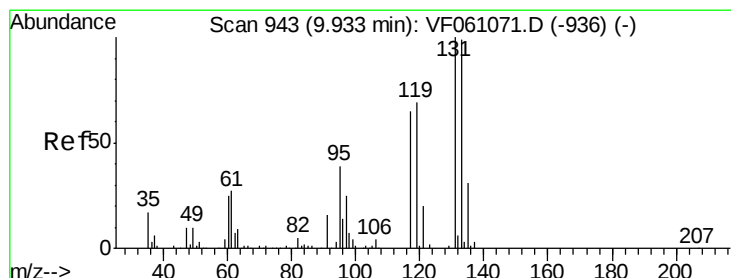
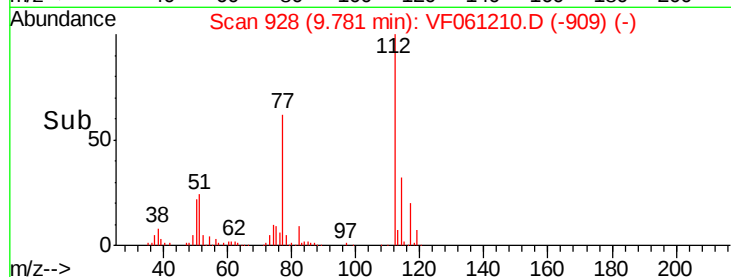
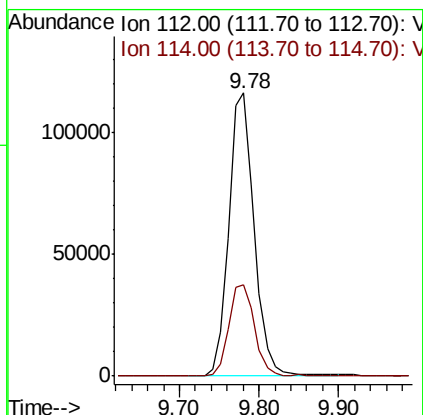
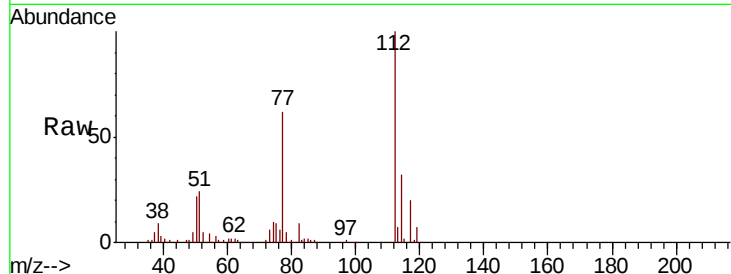




#65
Chlorobenzene
Concen: 53.261 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

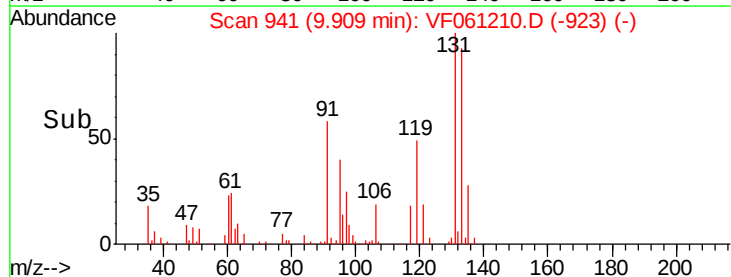
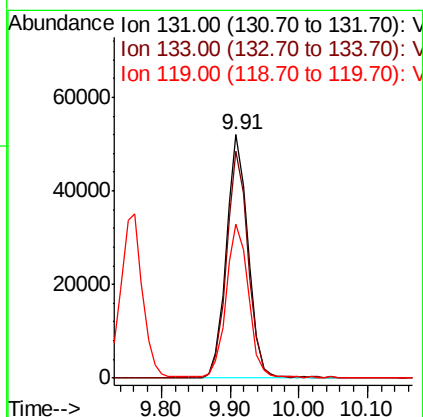
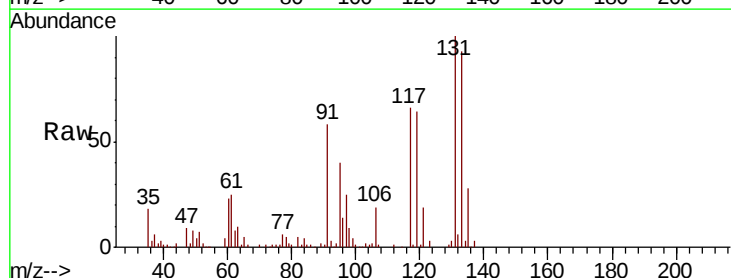
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

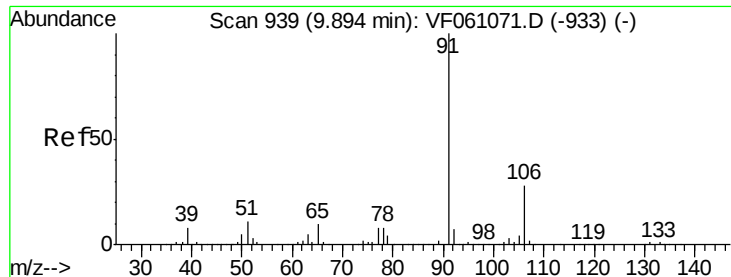
Tot Ion:112 Resp: 260450
Ion Ratio Lower Upper
112 100
114 32.3 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 56.819 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion:131 Resp: 113544
Ion Ratio Lower Upper
131 100
133 93.4 49.5 148.7
119 63.5 34.5 103.5

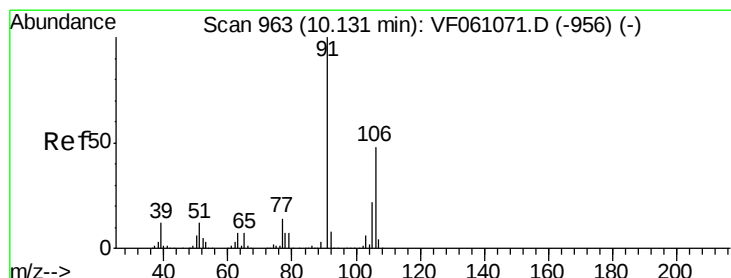
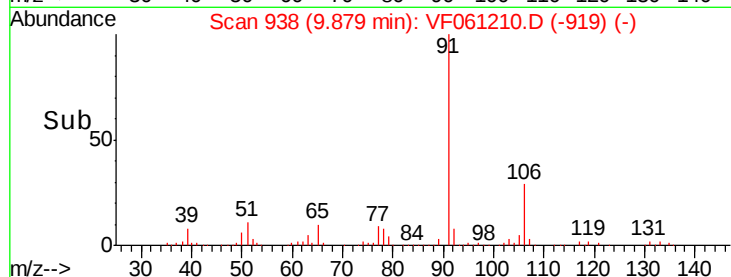
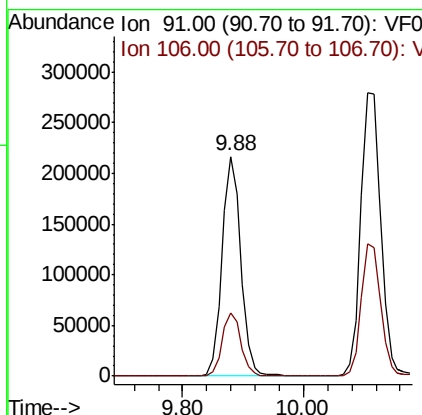
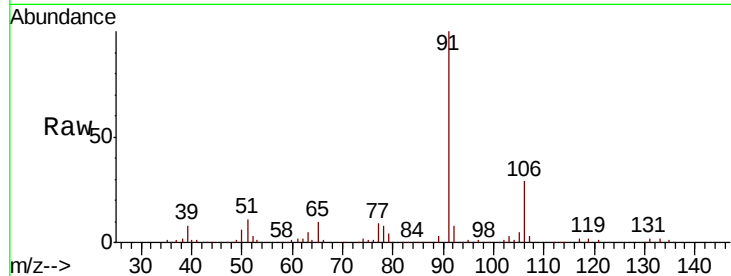




#67
Ethyl Benzene
Concen: 52.613 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

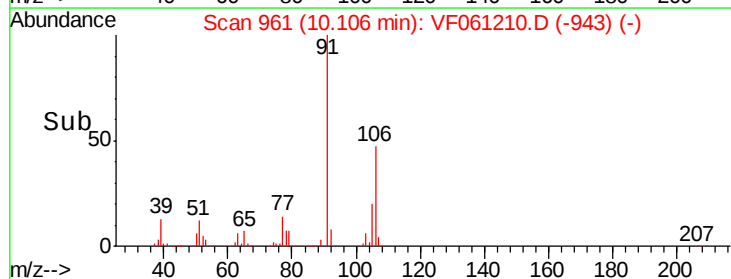
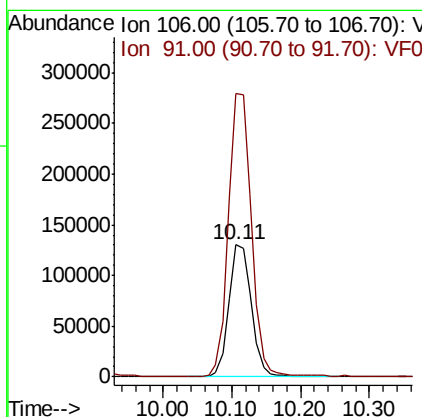
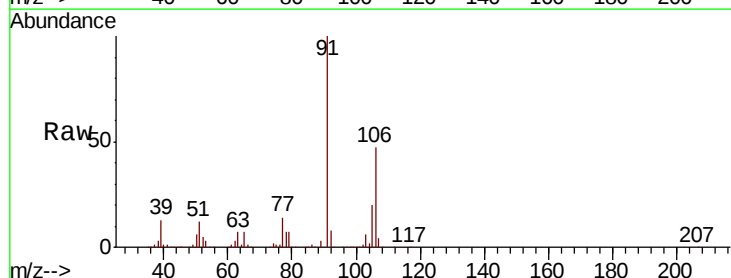
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

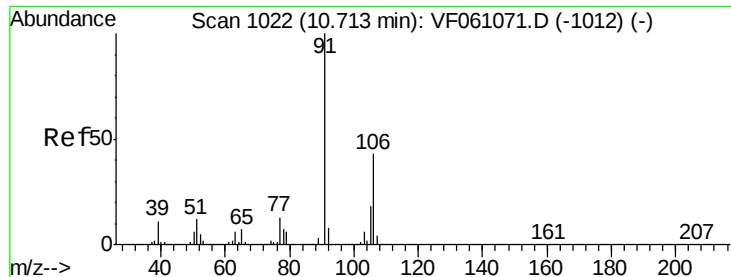
Tot Ion: 91 Resp: 468719
Ion Ratio Lower Upper
91 100
106 28.7 22.5 33.7



#68
m/p-Xylenes
Concen: 94.843 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 106 Resp: 297351
Ion Ratio Lower Upper
106 100
91 214.2 168.2 252.2

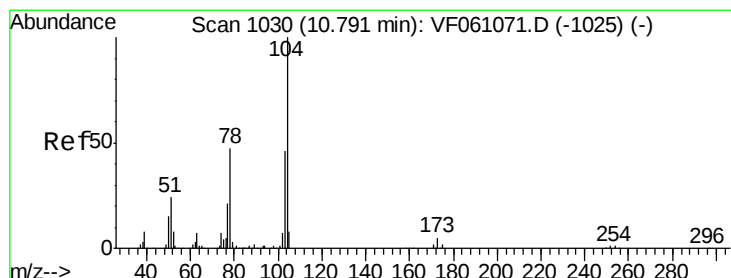
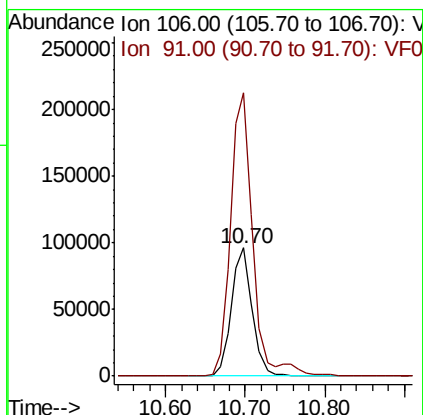
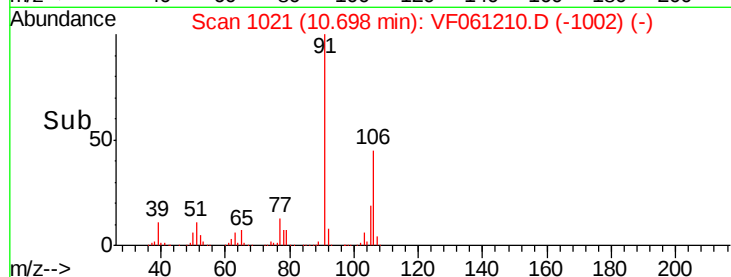
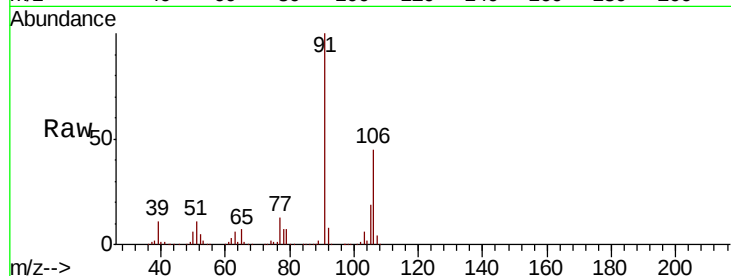




#69
o-Xylene
Concen: 51.142 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

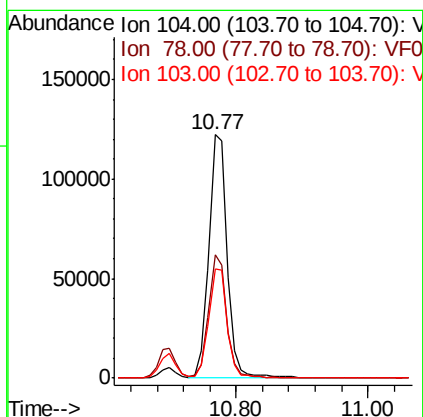
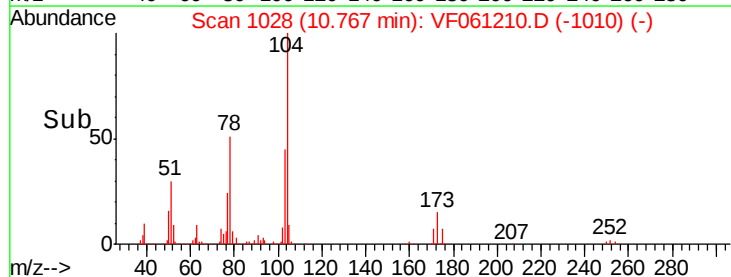
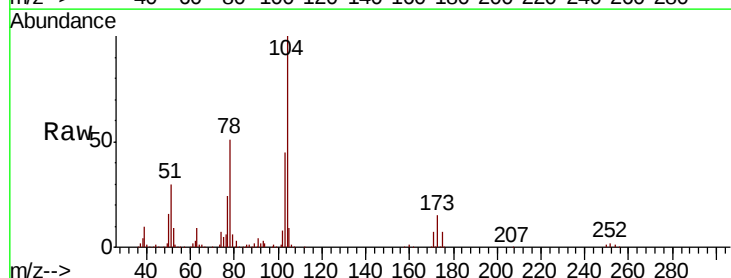
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

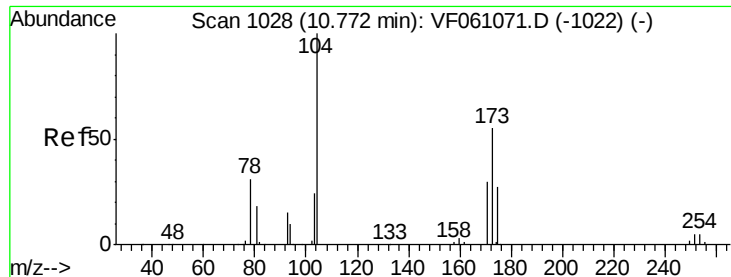
Tot Ion:106 Resp: 177828
Ion Ratio Lower Upper
106 100
91 220.9 115.9 347.7



#70
Styrene
Concen: 54.324 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion:104 Resp: 228384
Ion Ratio Lower Upper
104 100
78 50.6 38.4 57.6
103 44.7 37.0 55.6





#71

Bromoform

Concen: 56.746 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

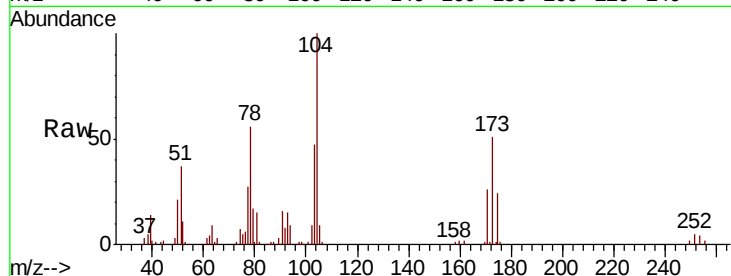
Tot Ion:173 Resp: 52464

Ion Ratio Lower Upper

173 100

175 48.0 24.8 74.4

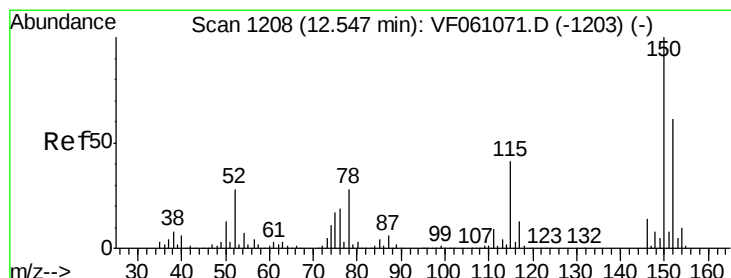
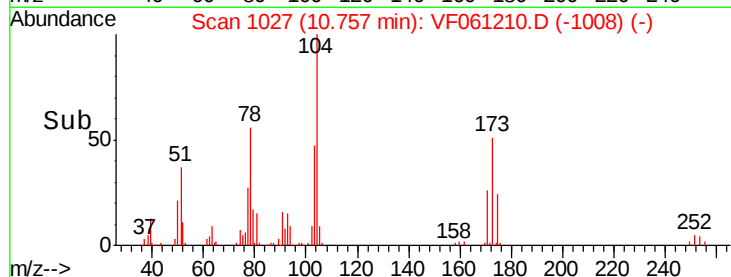
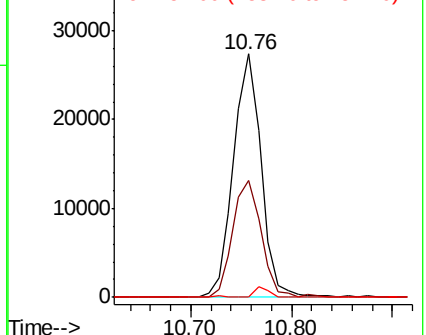
254 0.0 0.0 0.0



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: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

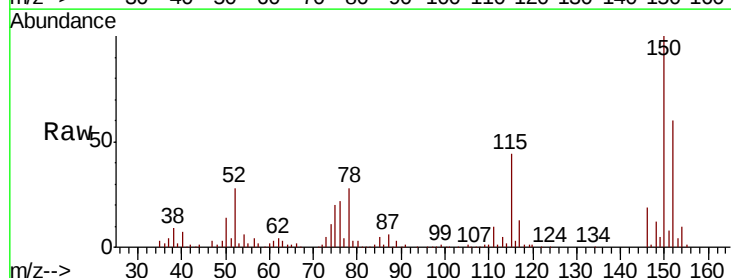
Tgt Ion:152 Resp: 89265

Ion Ratio Lower Upper

152 100

115 72.5 33.3 99.9

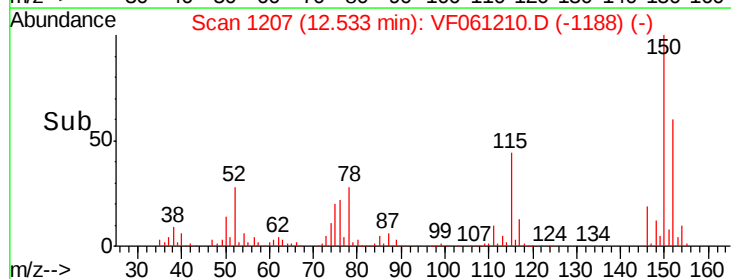
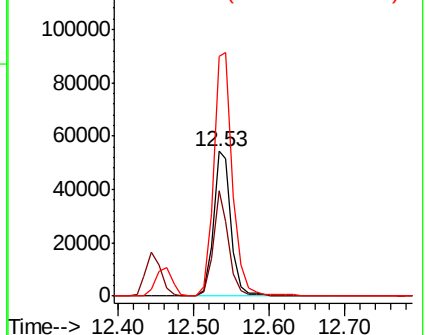
150 166.0 0.0 328.2



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: 60.418 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

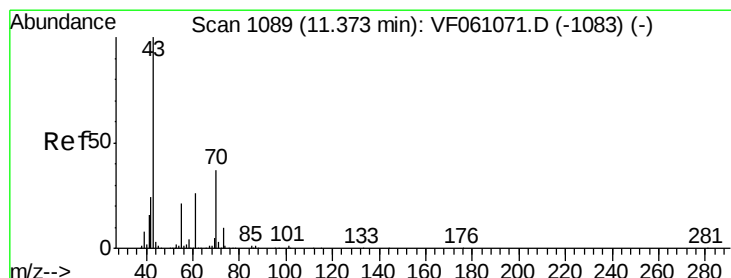
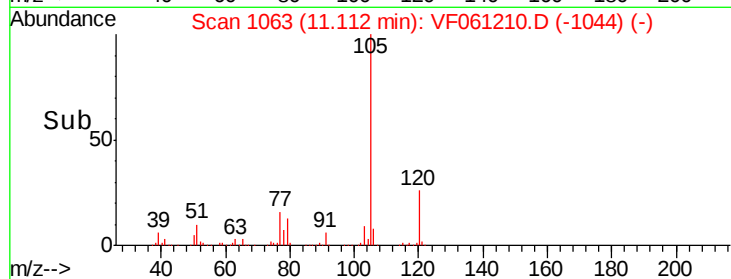
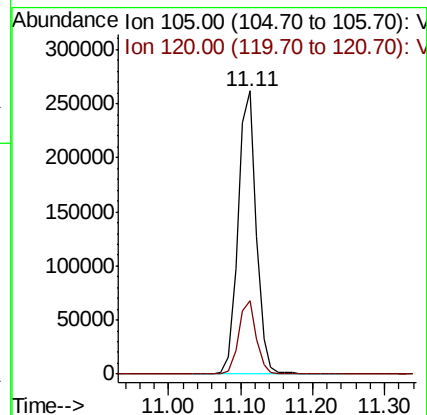
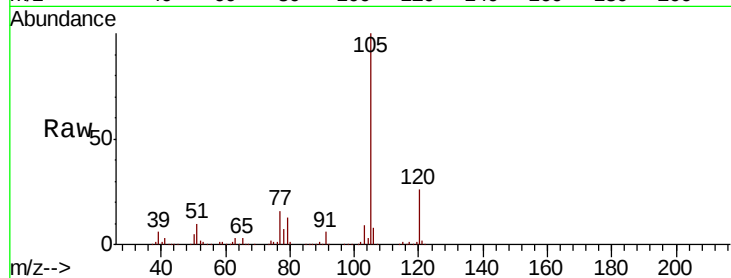
P001-SS001-0612-01MSD

Tot Ion:105 Resp: 464765

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 28.351 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion: 43 Resp: 48420

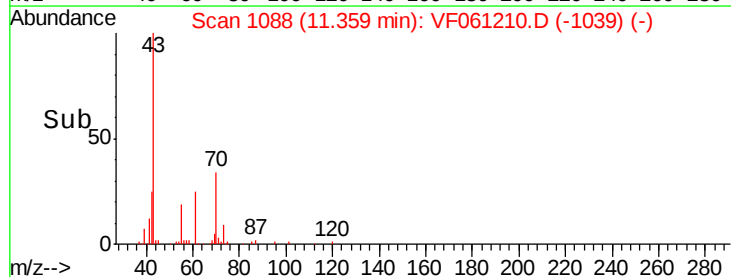
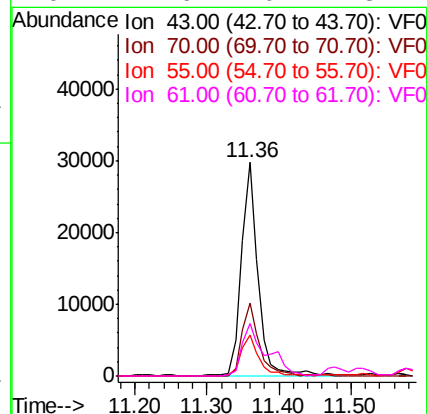
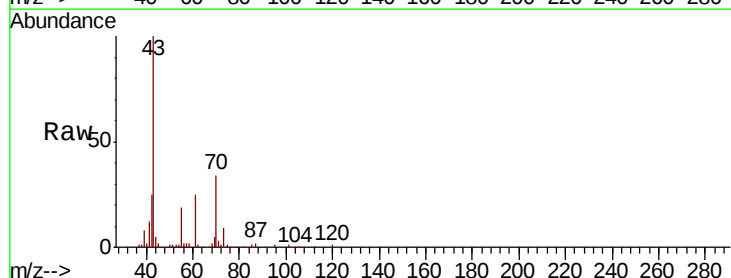
Ion Ratio Lower Upper

43 100

70 34.4 29.2 43.8

55 19.2 16.5 24.7

61 24.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 82.709 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

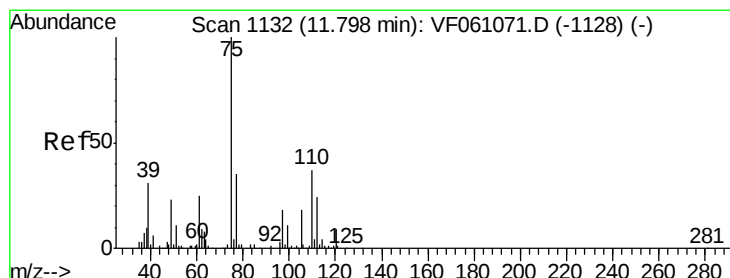
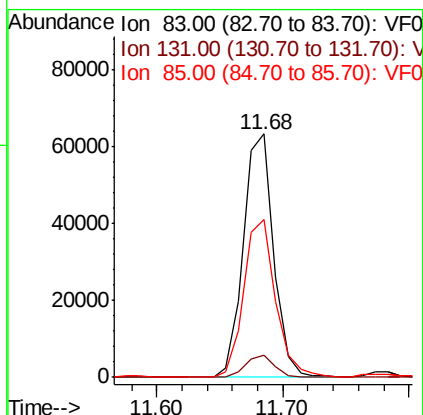
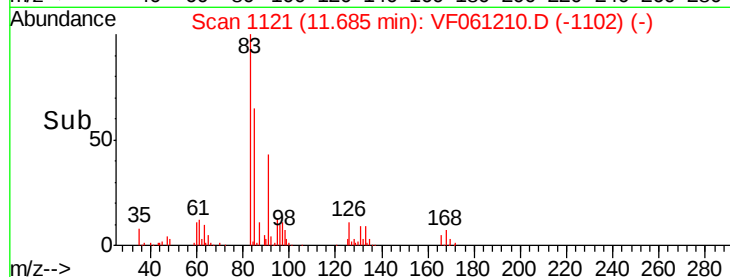
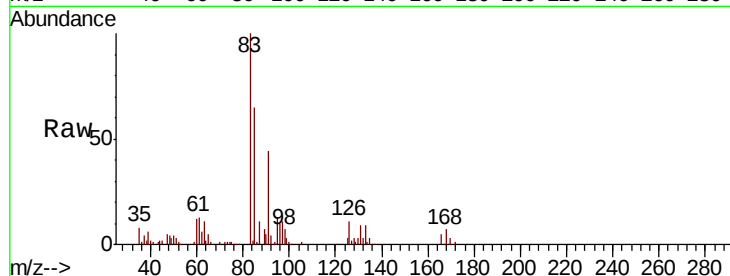
Tot Ion: 83 Resp: 105594

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 64.8 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 80.330 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061210.D

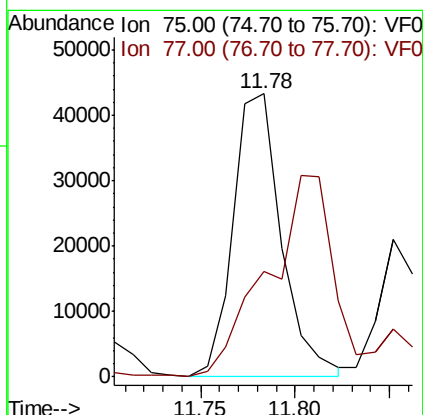
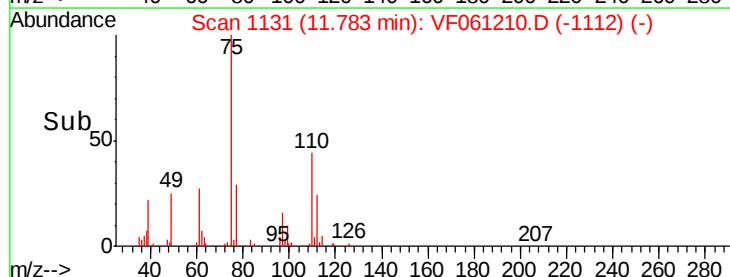
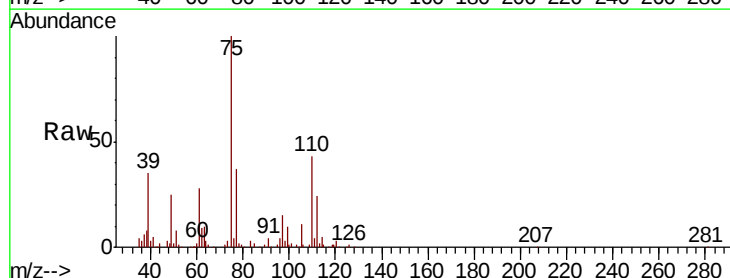
Acq: 27 Dec 2018 16:11

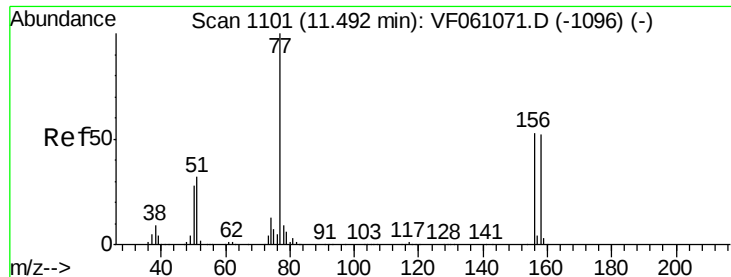
Tgt Ion: 75 Resp: 76322

Ion Ratio Lower Upper

75 100

77 37.5 17.6 52.9





#77

Bromobenzene

Concen: 64.451 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

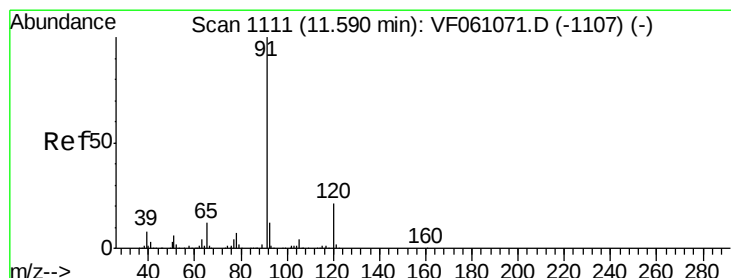
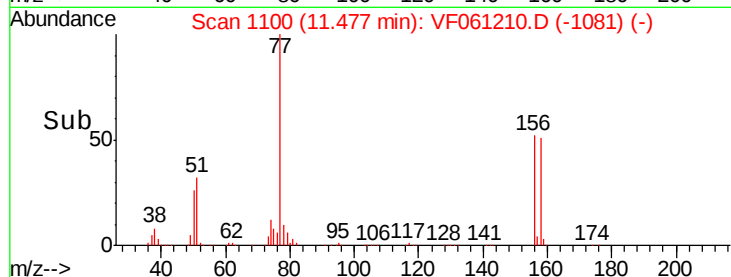
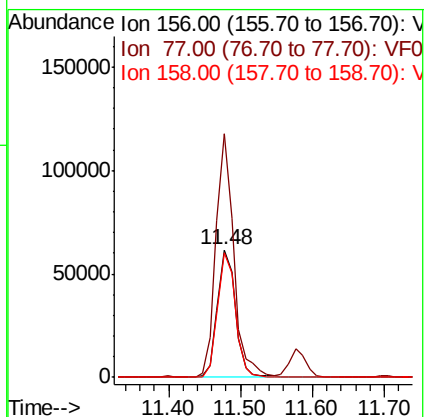
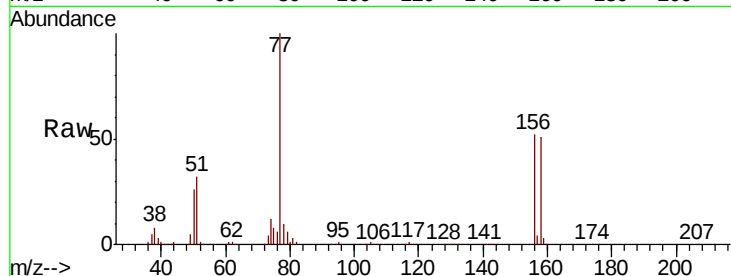
Tot Ion:156 Resp: 106725

Ion Ratio Lower Upper

156 100

77 190.8 93.8 281.4

158 97.2 48.9 146.8



#78

n-propylbenzene

Concen: 60.174 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061210.D

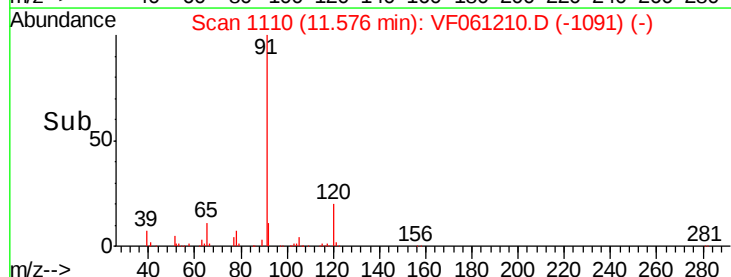
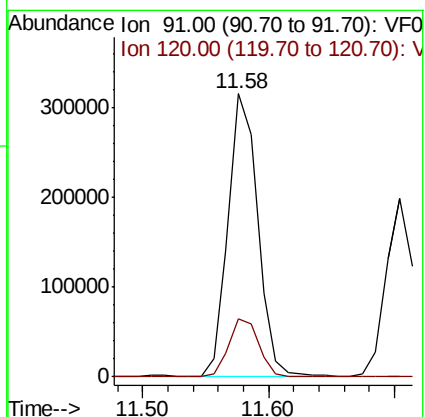
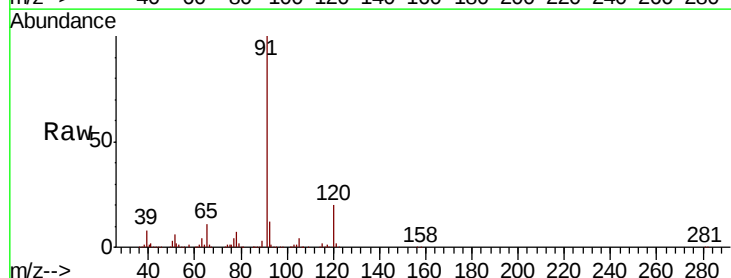
Acq: 27 Dec 2018 16:11

Tgt Ion: 91 Resp: 510455

Ion Ratio Lower Upper

91 100

120 20.3 10.4 31.2





#79

2-Chlorotoluene

Concen: 58.588 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

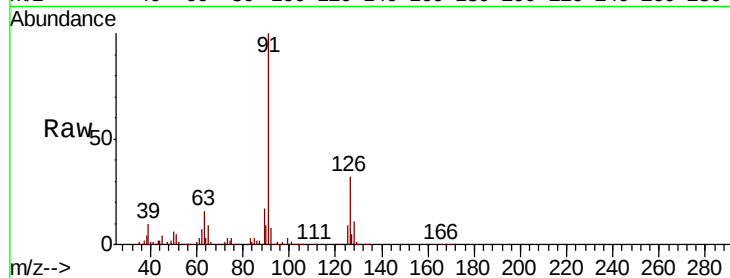
P001-SS001-0612-01MSD

Tot Ion: 91 Resp: 309170

Ion Ratio Lower Upper

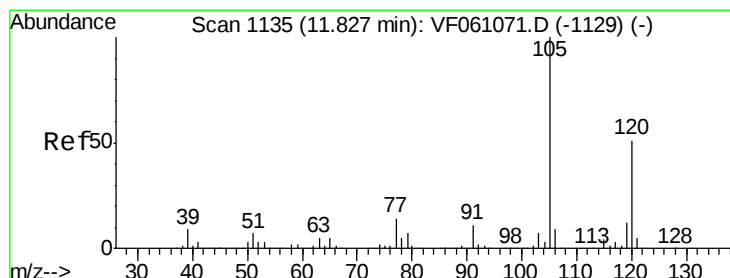
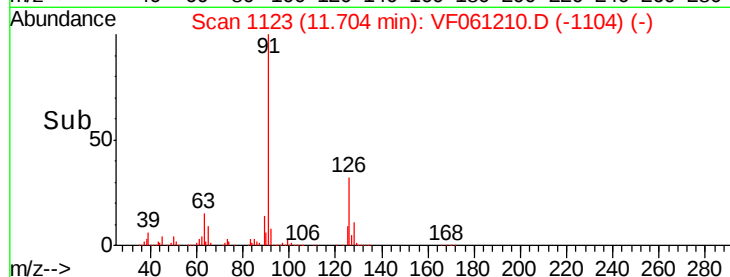
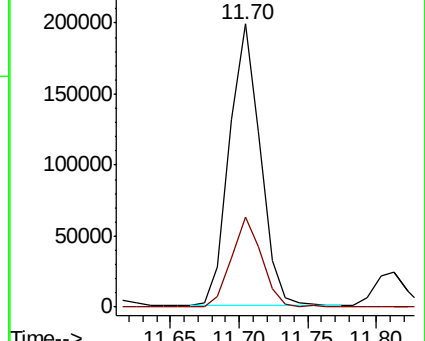
91 100

126 31.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 56.420 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061210.D

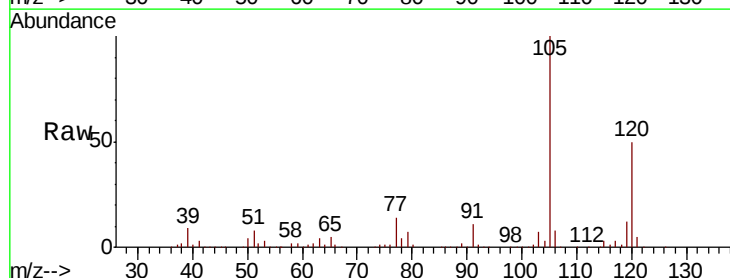
Acq: 27 Dec 2018 16:11

Tgt Ion:105 Resp: 357369

Ion Ratio Lower Upper

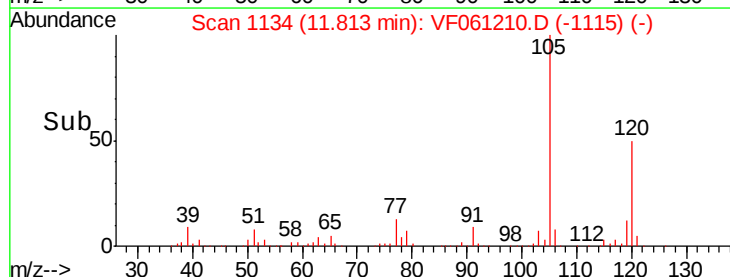
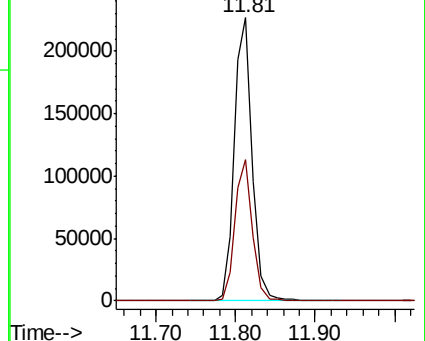
105 100

120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 101.474 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

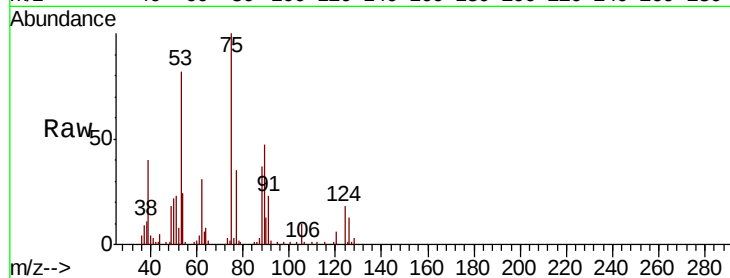
Tot Ion: 75 Resp: 41429

Ion Ratio Lower Upper

75 100

53 81.6 74.1 111.1

89 47.2 42.6 64.0

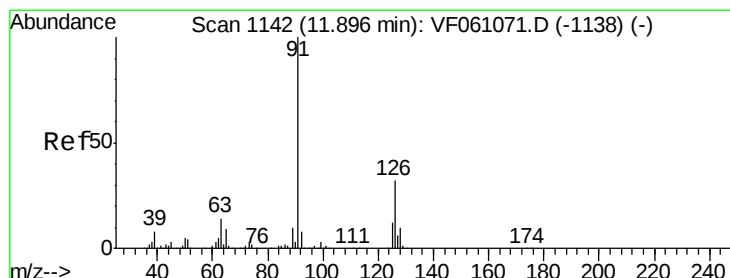
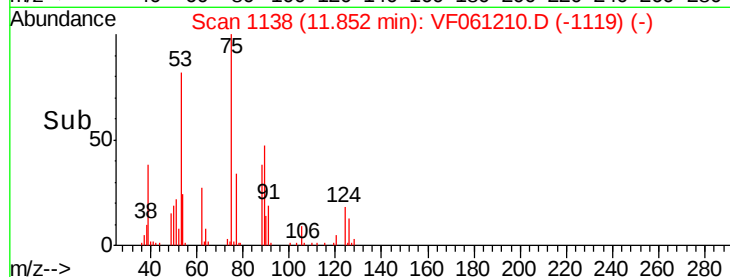
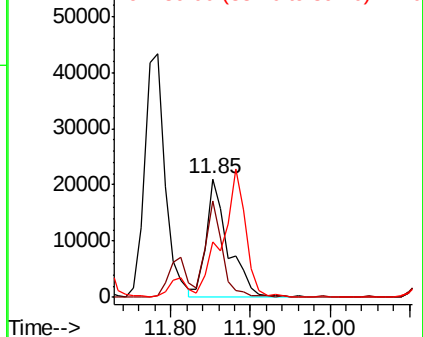


Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 55.408 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061210.D

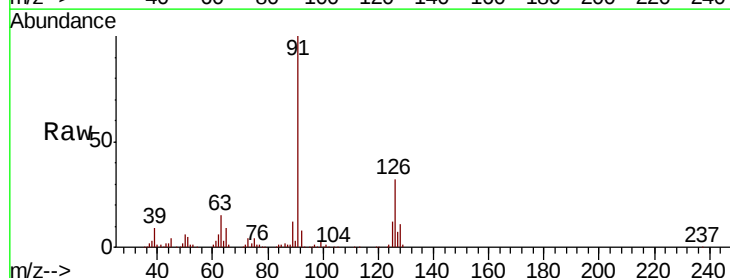
Acq: 27 Dec 2018 16:11

Tgt Ion: 91 Resp: 302466

Ion Ratio Lower Upper

91 100

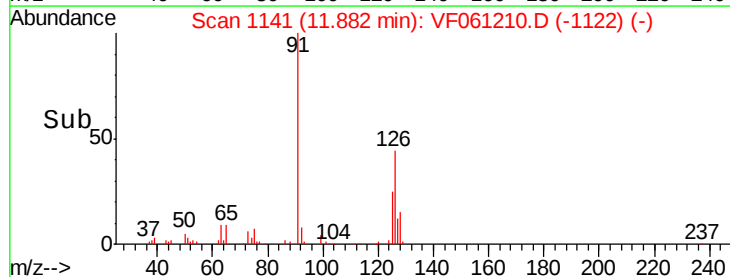
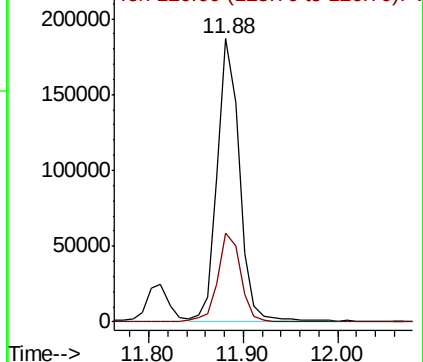
126 31.6 16.0 47.9

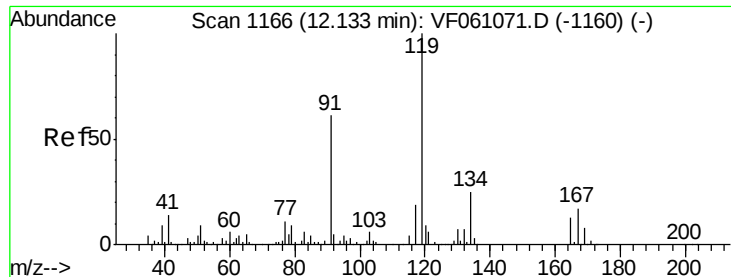


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 53.538 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

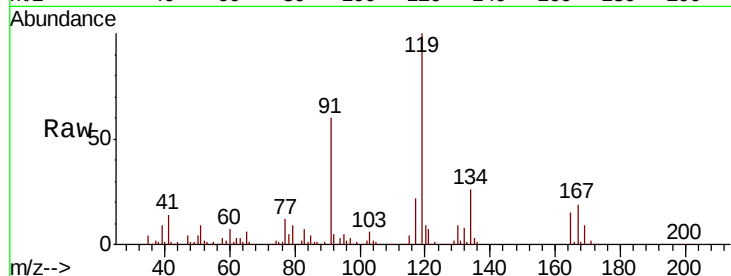
Tot Ion:119 Resp: 348958

Ion Ratio Lower Upper

119 100

91 60.4 30.5 91.5

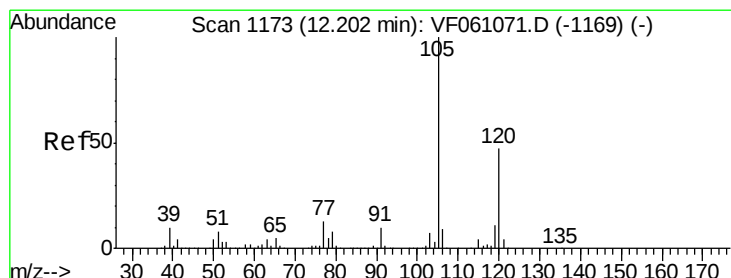
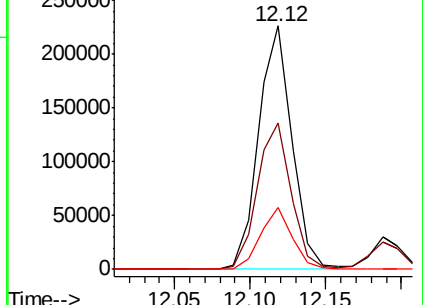
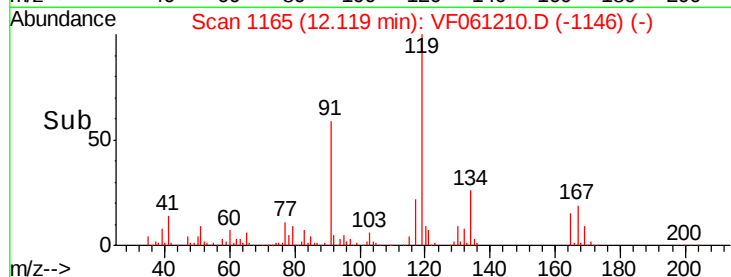
134 25.5 12.4 37.4



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: 56.823 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VF061210.D

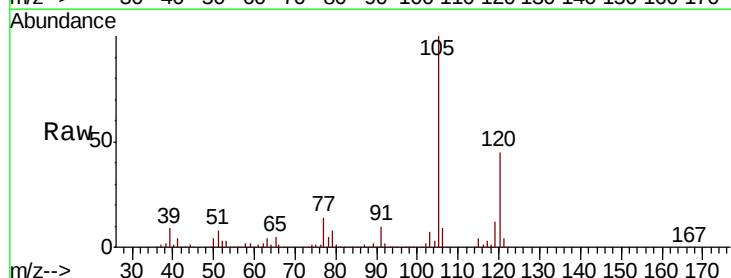
Acq: 27 Dec 2018 16:11

Tgt Ion:105 Resp: 358921

Ion Ratio Lower Upper

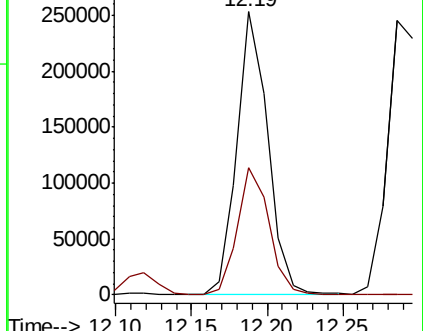
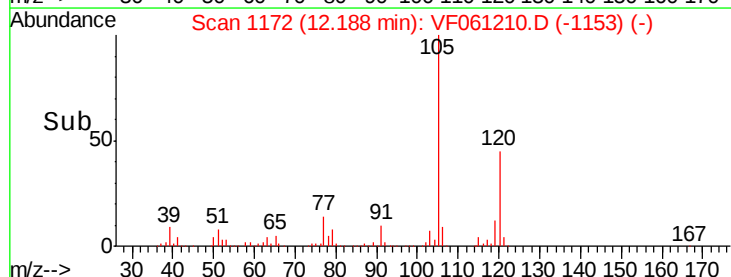
105 100

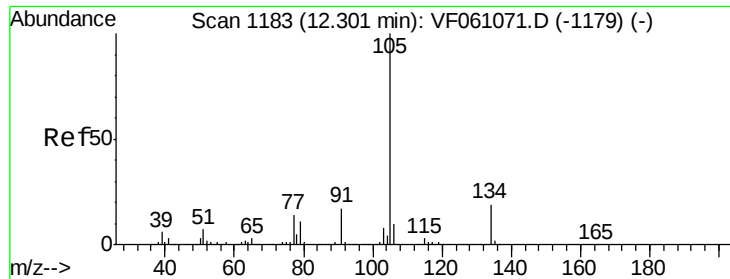
120 44.8 23.6 71.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

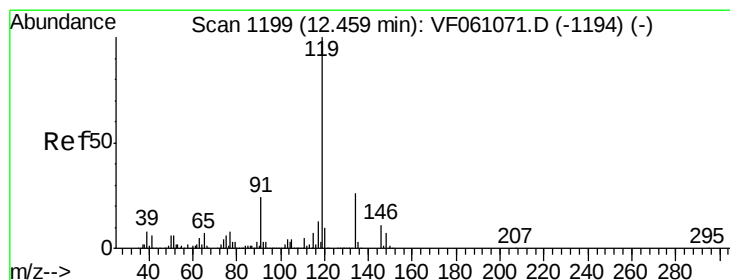
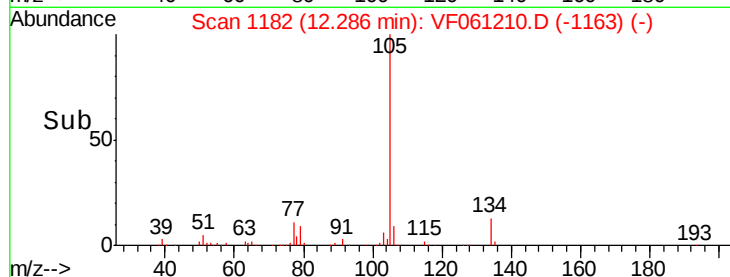
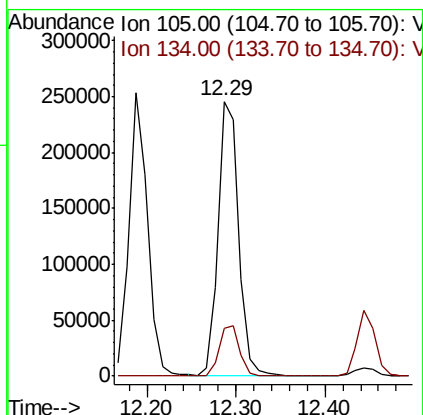
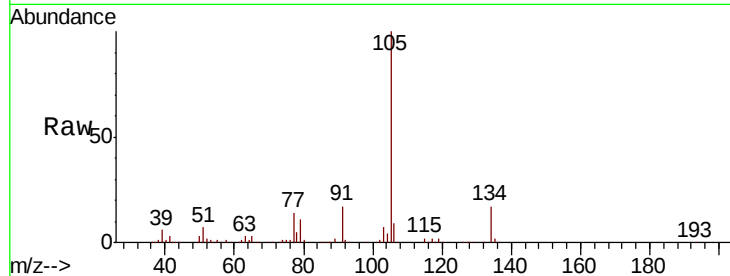




#85
 sec-Butylbenzene
 Concen: 46.955 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

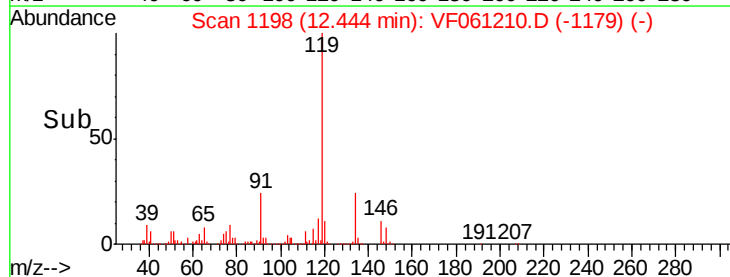
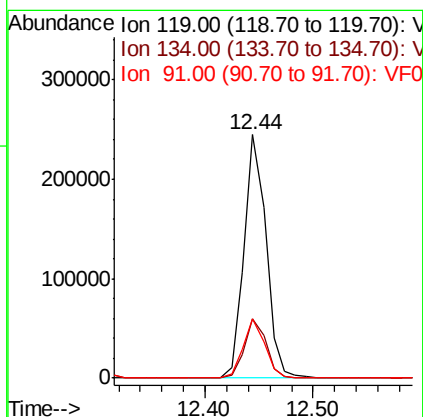
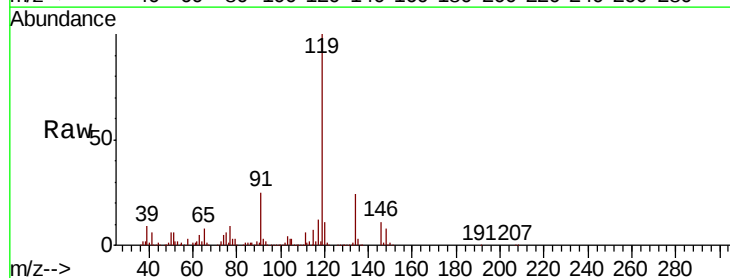
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

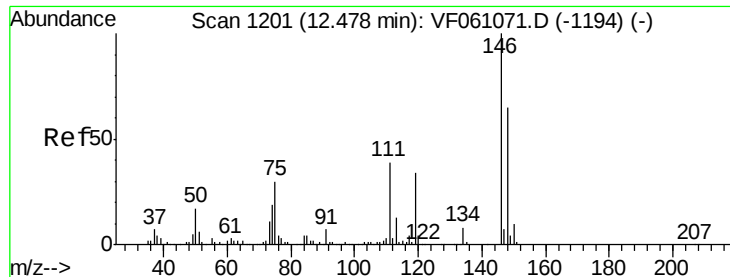
Tot Ion:105 Resp: 399403
 Ion Ratio Lower Upper
 105 100
 134 17.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 48.989 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion:119 Resp: 345885
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.8 38.4
 91 24.5 12.2 36.6

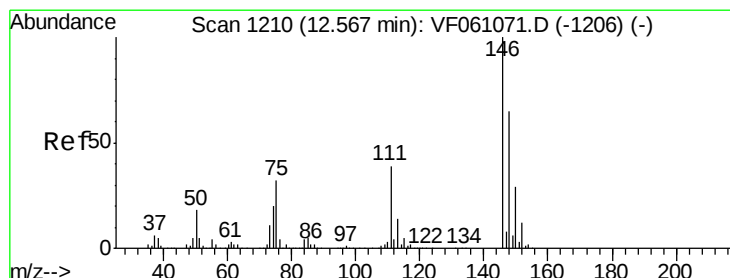
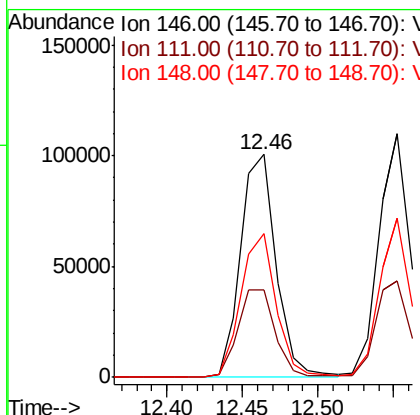
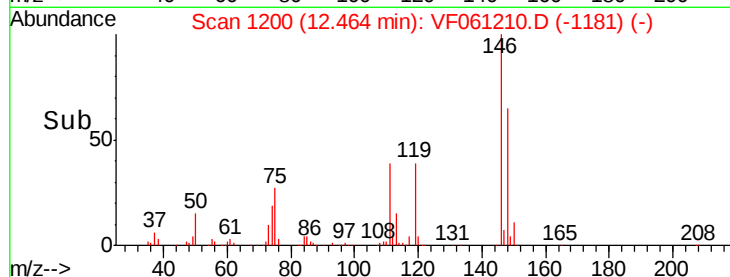
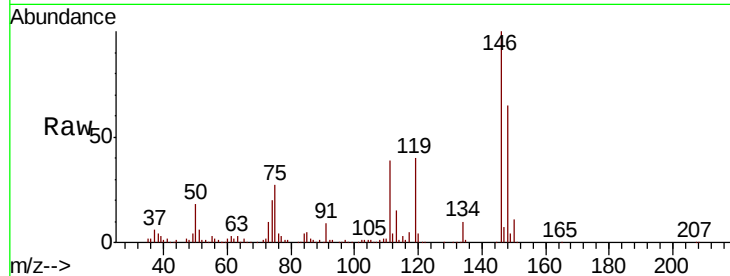




#87
 1,3-Dichlorobenzene
 Concen: 62.205 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

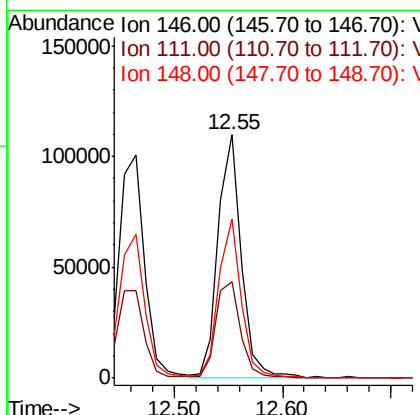
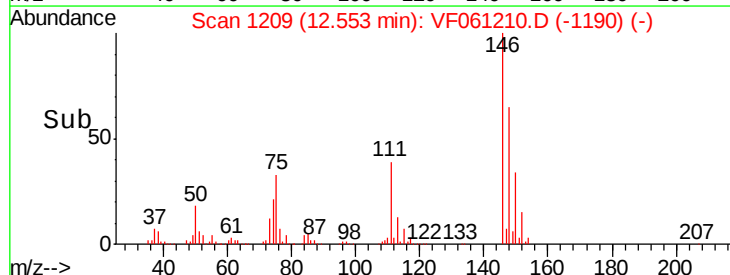
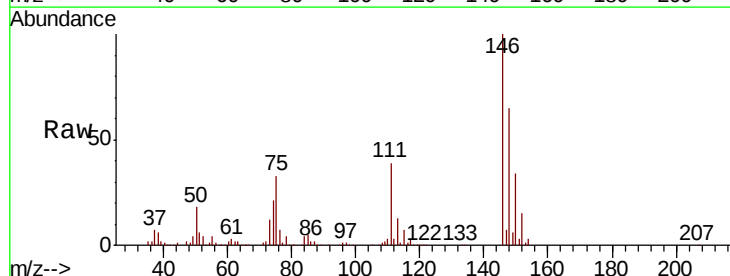
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

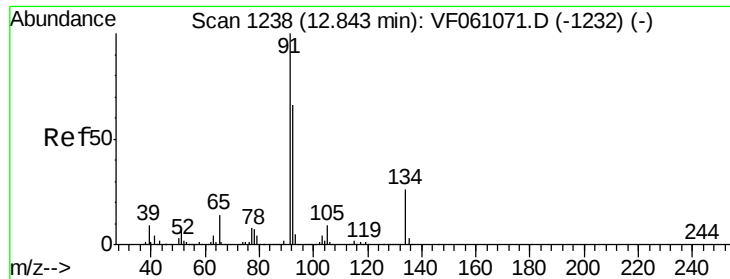
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	64.5	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 53.810 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.4
148	65.2	32.4	97.0

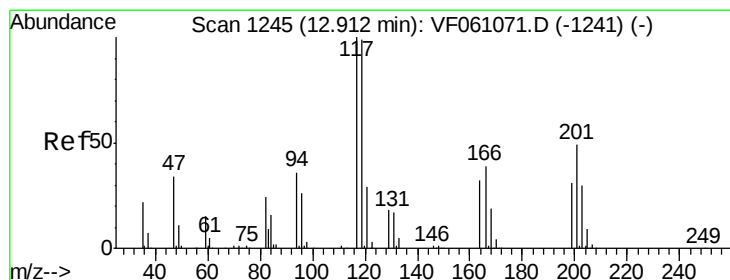
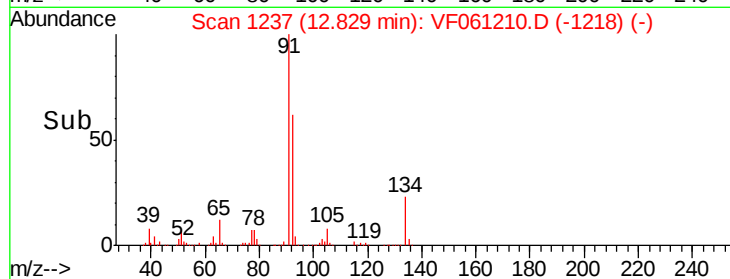
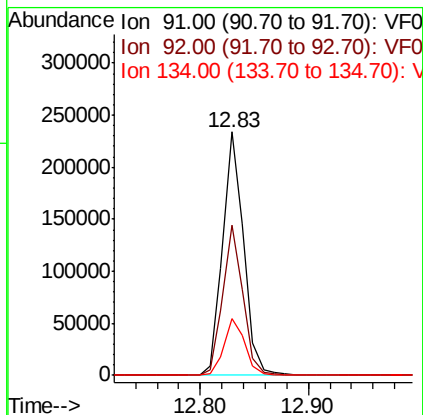
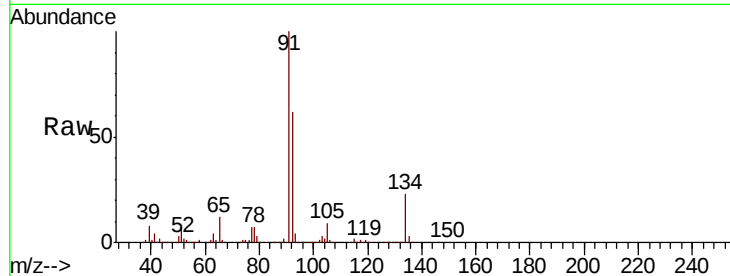




#89
n-Butylbenzene
Concen: 42.638 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

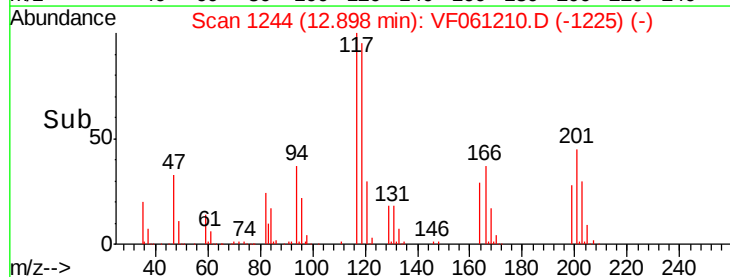
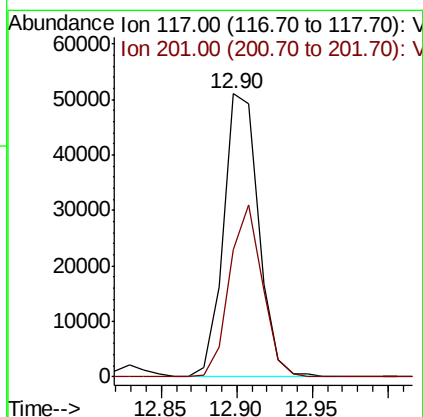
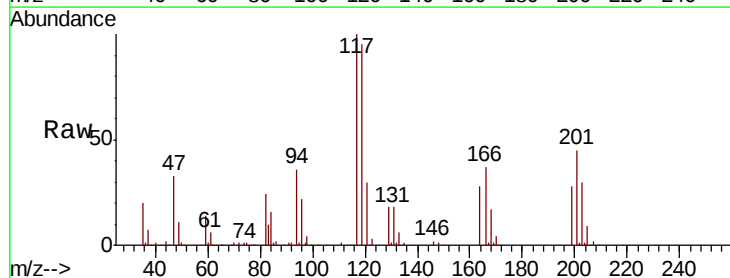
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

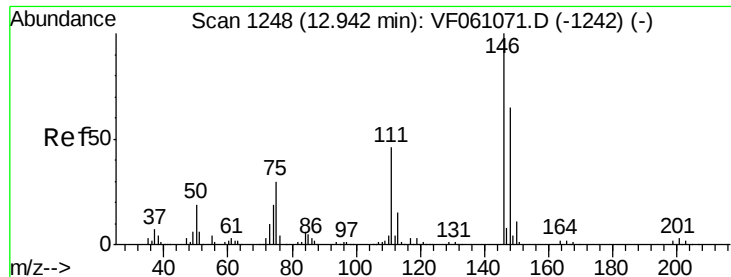
Tot Ion: 91 Resp: 314592
Ion Ratio Lower Upper
91 100
92 61.7 32.8 98.4
134 23.3 13.2 39.5



#90
Hexachloroethane
Concen: 47.334 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 117 Resp: 82569
Ion Ratio Lower Upper
117 100
201 45.2 24.9 74.8

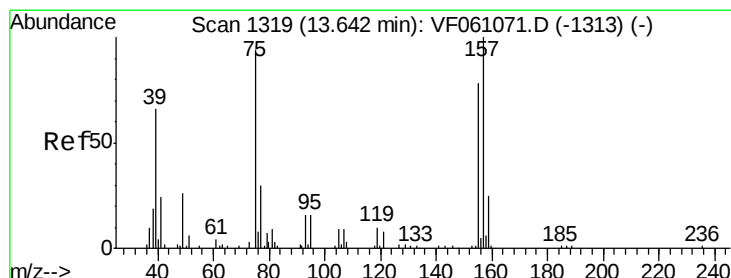
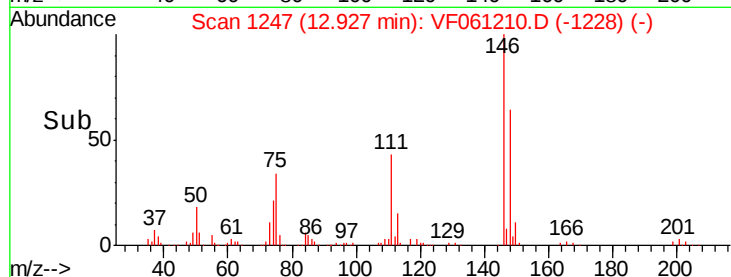
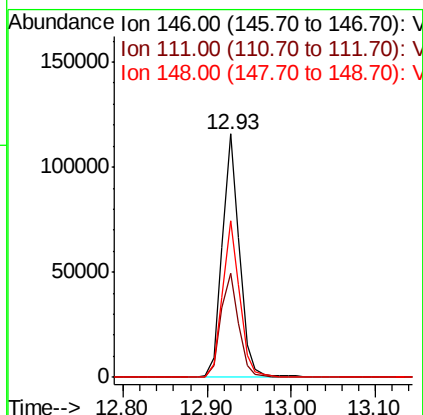
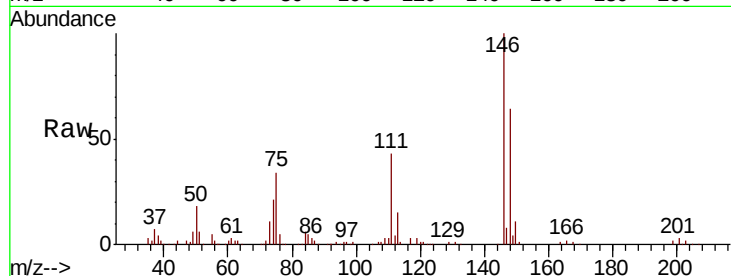




#91
 1,2-Dichlorobenzene
 Concen: 55.806 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

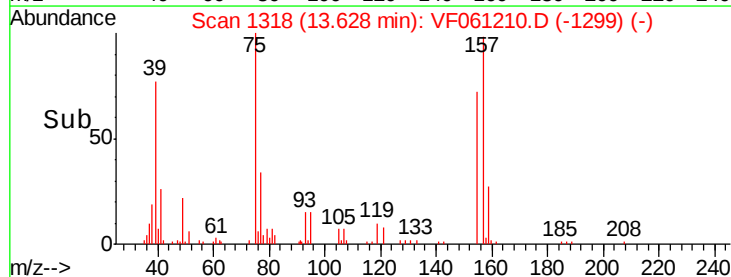
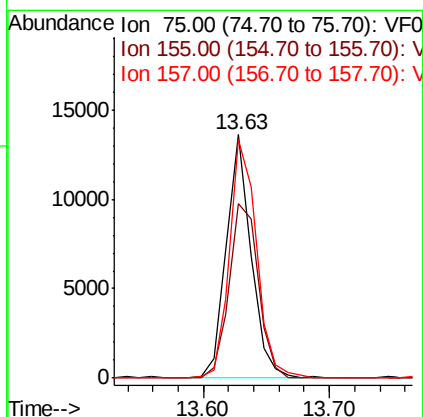
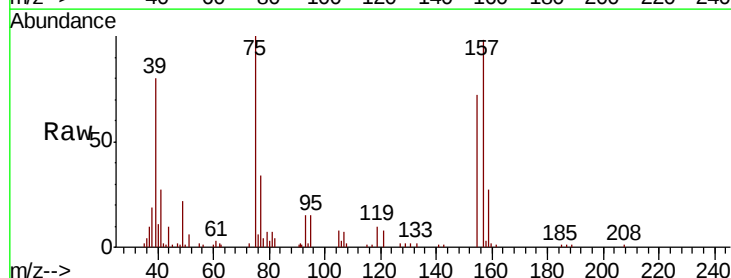
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	23.2	69.5
148	64.2	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.907 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	41.5	124.5
157	98.2	53.2	159.6

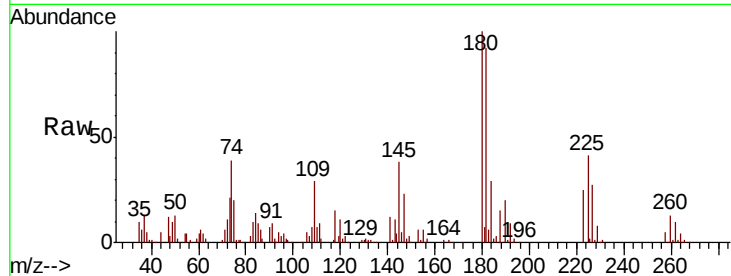




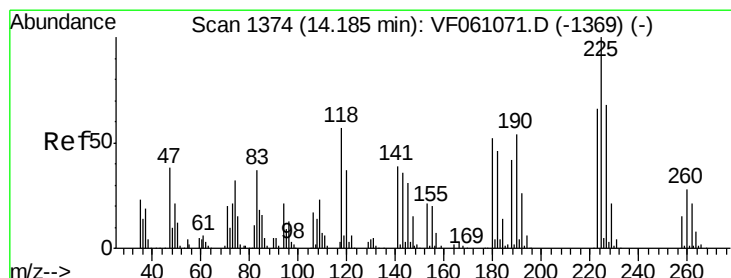
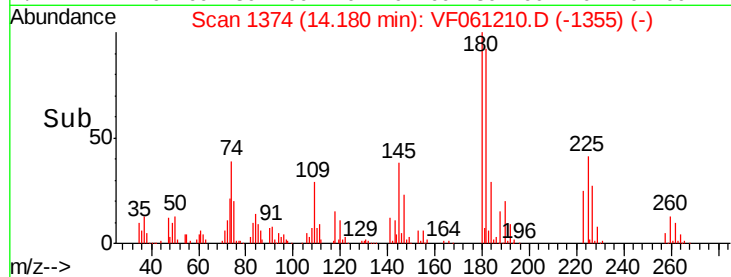
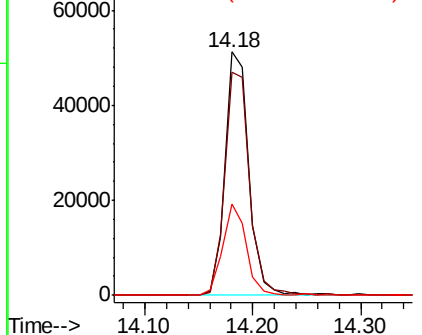
#93
 1,2,4-Trichlorobenzene
 Concen: 37.435 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion:180 Resp: 78594
 Ion Ratio Lower Upper
 180 100
 182 91.8 46.9 140.6
 145 37.6 20.5 61.6

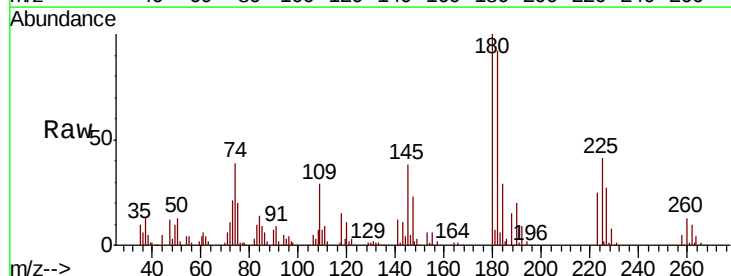


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

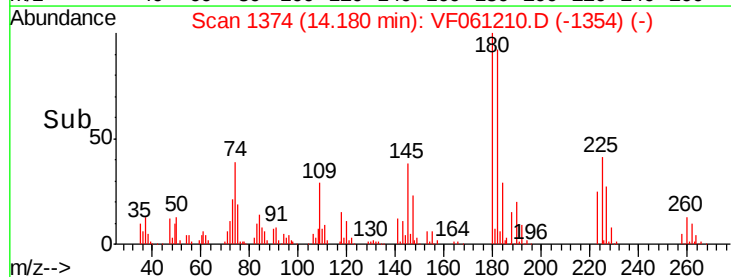
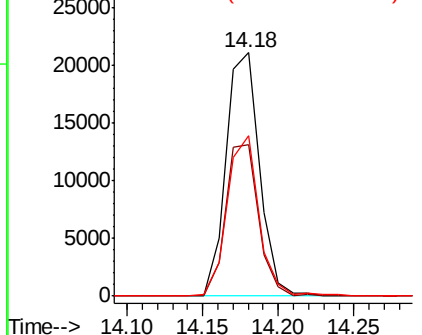


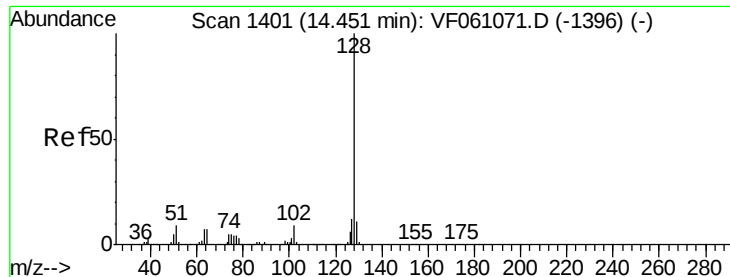
#94
 Hexachlorobutadiene
 Concen: 24.133 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion:225 Resp: 32270
 Ion Ratio Lower Upper
 225 100
 223 62.0 32.8 98.3
 227 66.0 34.0 101.8



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





#95

Naphthalene

Concen: 52.496 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

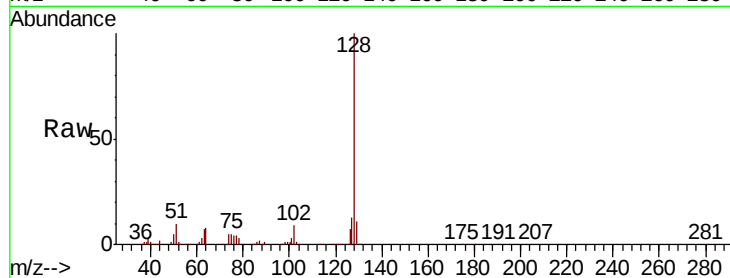
Tot Ion:128 Resp: 201255

Ion Ratio Lower Upper

128 100

127 12.5 9.4 14.2

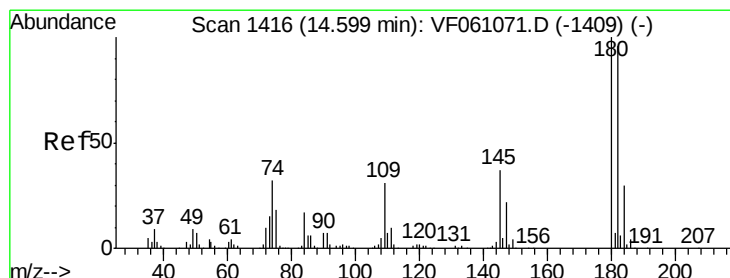
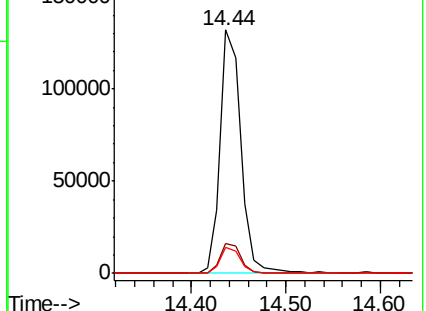
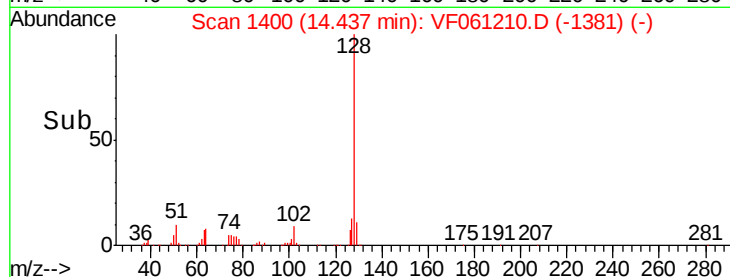
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 32.907 ug/l

RT: 14.58 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

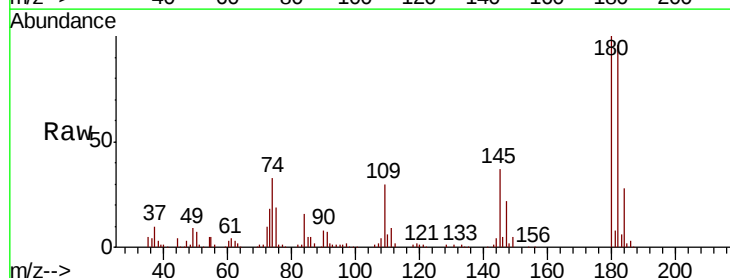
Tgt Ion:180 Resp: 63868

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.8

145 36.6 18.6 55.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

