

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF061209.D
 Acq On : 27 Dec 2018 15:43
 Operator : VA/AP
 Sample : J6378-18MS
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 27 16:10:16 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	105637	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	187368	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	162990	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	62801	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	77505	57.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.08%	
35) Dibromofluoromethane	4.09	113	83535	55.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.32%	
50) Toluene-d8	7.53	98	212789	50.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.40	95	85065	43.38	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	124469	53.005	ug/l	98
3) Chloromethane	1.08	50	80926	60.163	ug/l	100
4) Vinyl Chloride	1.13	62	72713	58.273	ug/l	91
5) Bromomethane	1.32	94	48765	56.344	ug/l	93
6) Chloroethane	1.37	64	34685	60.326	ug/l	96
7) Trichlorofluoromethane	1.47	101	147724	62.003	ug/l	96
8) Diethyl Ether	1.62	74	20605	63.155	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.80	101	62778	50.819	ug/l	98
10) Methyl Iodide	1.87	142	93677	48.108	ug/l	96
11) Tert butyl alcohol	2.55	59	19770	360.582	ug/l	98
12) 1,1-Dichloroethene	1.77	96	51630	55.445	ug/l	95
13) Acrolein	2.15	56	457	11.535	ug/l	94
14) Allyl chloride	2.09	41	90081	92.958	ug/l	92
15) Acrylonitrile	2.92	53	42416	334.554	ug/l	91
16) Acetone	2.22	43	92455	340.391	ug/l #	89
17) Carbon Disulfide	1.82	76	154545	54.919	ug/l	100
18) Methyl Acetate	2.41	43	42280	75.239	ug/l	98
19) Methyl tert-butyl Ether	2.41	73	134047	64.854	ug/l	99
20) Methylene Chloride	2.20	84	36600	41.395	ug/l	94
21) trans-1,2-Dichloroethene	2.29	96	59789	60.032	ug/l	91
22) Diisopropyl ether	2.79	45	193970	60.091	ug/l	97
23) Vinyl Acetate	3.17	43	60514	40.637	ug/l	96
24) 1,1-Dichloroethane	2.86	63	122837	64.227	ug/l	97
25) 2-Butanone	4.31	43	142634	323.796	ug/l	100
26) 2,2-Dichloropropane	3.58	77	78600	71.613	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	86050	56.436	ug/l	95
28) Bromochloromethane	3.69	49	60952	62.810	ug/l	91
29) Tetrahydrofuran	4.05	42	64495	359.723	ug/l	98
30) Chloroform	3.83	83	158937	55.423	ug/l	97
31) Cyclohexane	3.67	56	95825	48.285	ug/l	97
32) 1,1,1-Trichloroethane	4.07	97	125096	72.779	ug/l	93
36) 1,1-Dichloropropene	4.26	75	112753	49.854	ug/l	97
37) Ethyl Acetate	4.09	43	44606	50.866	ug/l #	52
38) Carbon Tetrachloride	3.96	117	104185	60.490	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	86489	42.626	ug/l	97
40) Benzene	4.61	78	256538	52.745	ug/l	96
41) Methacrylonitrile	4.72	41	28434	59.530	ug/l	95
42) 1,2-Dichloroethane	4.92	62	101021	54.676	ug/l	94
43) Isopropyl Acetate	6.94	43	37038	33.916	ug/l #	96
44) Trichloroethene	5.48	130	77339	50.436	ug/l	100
45) 1,2-Dichloropropane	6.21	63	72395	54.710	ug/l	96
46) Dibromomethane	6.06	93	47936	55.853	ug/l	94
47) Bromodichloromethane	6.36	83	118425	53.107	ug/l	98
48) Methyl methacrylate	6.69	41	53734	70.483	ug/l	95
49) 1,4-Dioxane	6.68	88	7991	1444.586	ug/l #	94
51) 4-Methyl-2-Pentanone	8.24	43	234732	313.416	ug/l	100
52) Toluene	7.60	92	152441	47.349	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	94810	52.704	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	120833	53.519	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	55222	57.215	ug/l	94
56) Ethyl methacrylate	8.60	69	42228	40.433	ug/l	98
57) 1,3-Dichloropropane	8.83	76	97972	56.124	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	20676	103.080	ug/l #	87
59) 2-Hexanone	9.47	43	162750	300.487	ug/l	98
60) Dibromochloromethane	8.70	129	75856	54.828	ug/l	98
61) 1,2-Dibromoethane	8.96	107	57553	55.834	ug/l	96
64) Tetrachloroethene	8.13	164	59858	47.741	ug/l	96
65) Chlorobenzene	9.78	112	171776	51.015	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	74326	54.016	ug/l	99
67) Ethyl Benzene	9.88	91	317744	51.798	ug/l	100
68) m/p-Xylenes	10.11	106	201757	93.458	ug/l	94
69) o-Xylene	10.70	106	114861	47.973	ug/l	95
70) Styrene	10.77	104	157868	54.555	ug/l	98
71) Bromoform	10.76	173	36494	57.326	ug/l #	97
73) Isopropylbenzene	11.11	105	301402	55.693	ug/l	98
74) N-amyl acetate	11.36	43	33610	27.973	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	75427	83.976	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	53722	80.370	ug/l	92
77) Bromobenzene	11.48	156	72424	62.167	ug/l	96
78) n-propylbenzene	11.58	91	356201	59.515	ug/l	98
79) 2-Chlorotoluene	11.70	91	210622	56.732	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	235115	52.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	30451	106.015	ug/l	88
82) 4-Chlorotoluene	11.88	91	212531	55.339	ug/l	94
83) tert-Butylbenzene	12.12	119	245756	53.593	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	238364	53.639	ug/l	98
85) sec-Butylbenzene	12.30	105	285183	47.655	ug/l	98
86) p-Isopropyltoluene	12.44	119	243779	49.077	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	113842	61.069	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	111202	51.982	ug/l	98
89) n-Butylbenzene	12.83	91	205969	39.051	ug/l	93
90) Hexachloroethane	12.90	117	54401	44.328	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	106603	51.185	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	12099	73.406	ug/l	88

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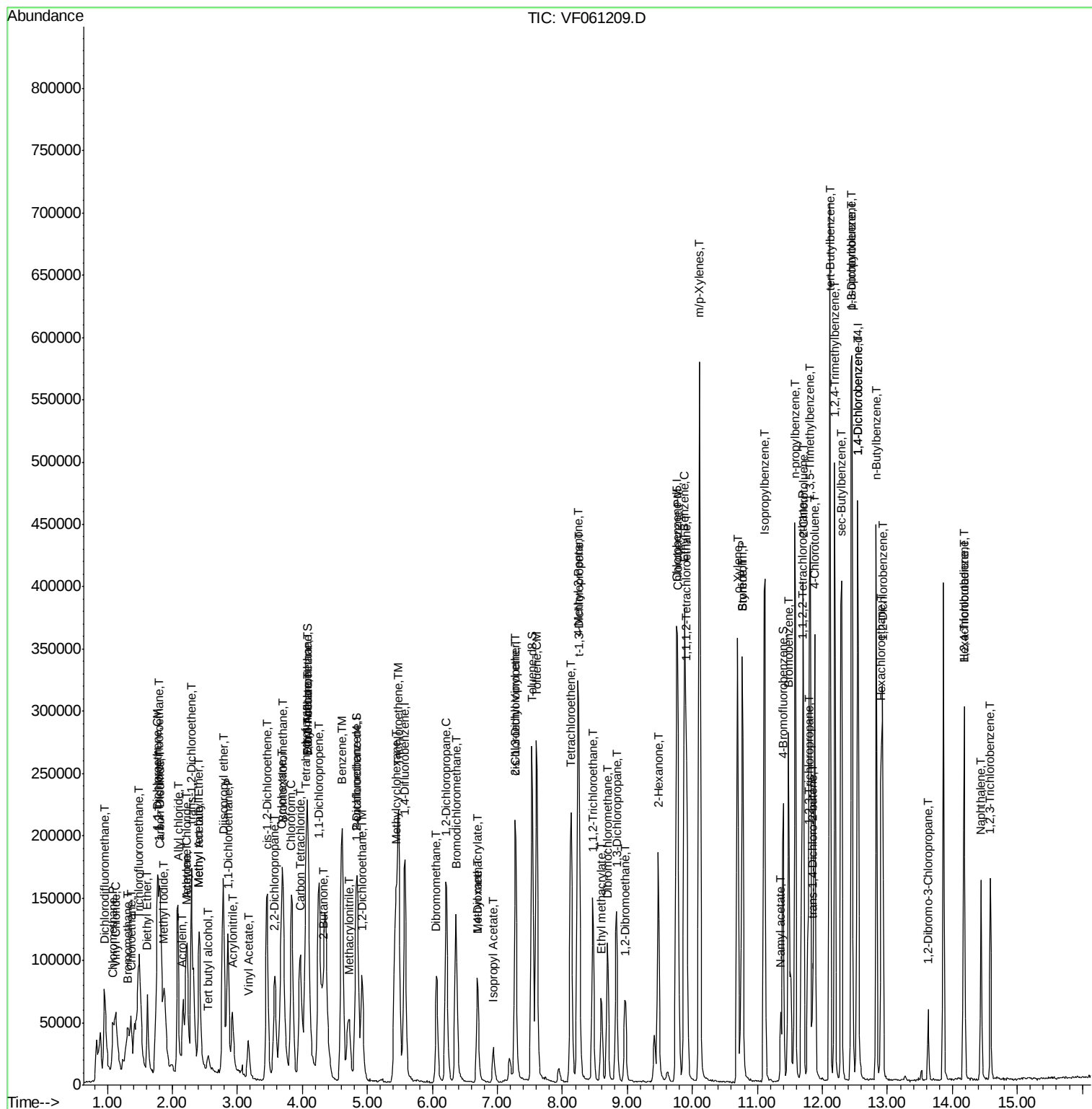
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	48330	32.721	ug/l	92
94) Hexachlorobutadiene	14.18	225	19920	21.175	ug/l	96
95) Naphthalene	14.44	128	118585	43.967	ug/l	97
96) 1,2,3-Trichlorobenzene	14.58	180	39629	29.022	ug/l	98

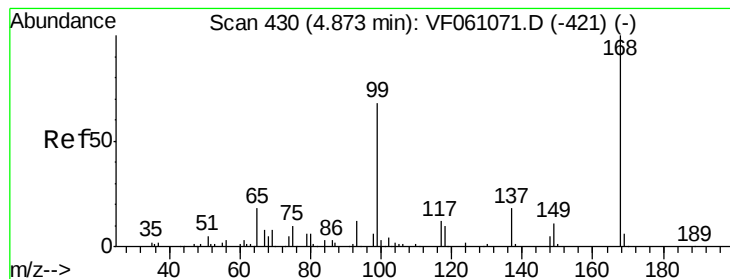
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122718\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

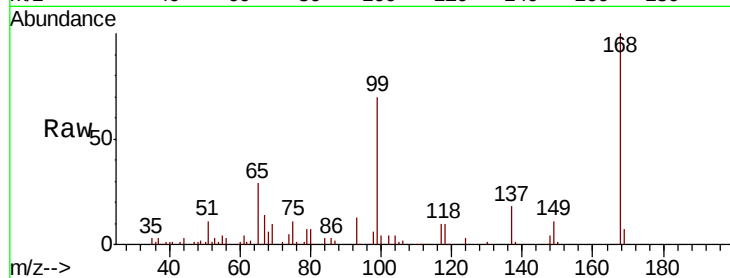
P001-SS001-0612-01MS

Tot Ion:168 Resp: 105637

Ion Ratio Lower Upper

168 100

99 70.3 54.4 81.6

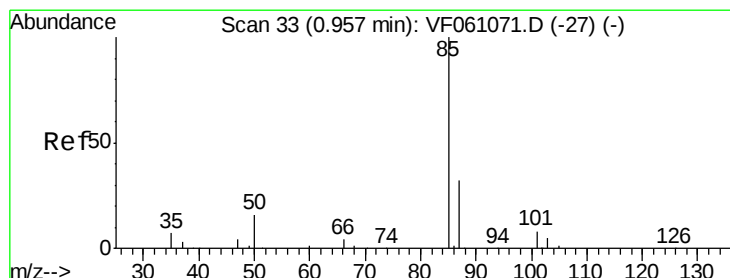
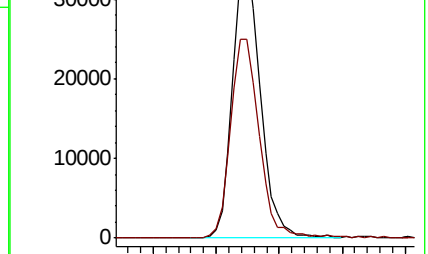
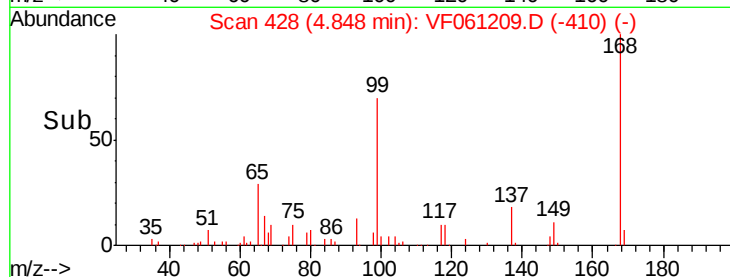


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

Time-->



#2

Dichlorodifluoromethane

Concen: 53.005 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061209.D

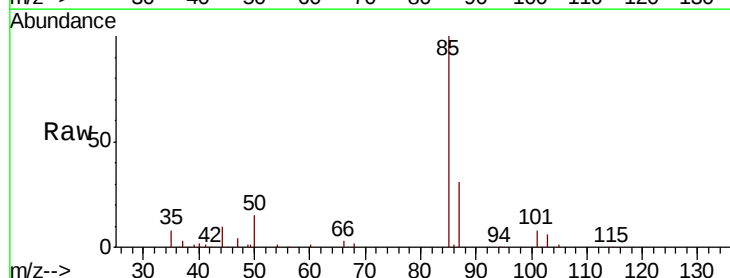
Acq: 27 Dec 2018 15:43

Tgt Ion: 85 Resp: 124469

Ion Ratio Lower Upper

85 100

87 30.8 15.9 47.6

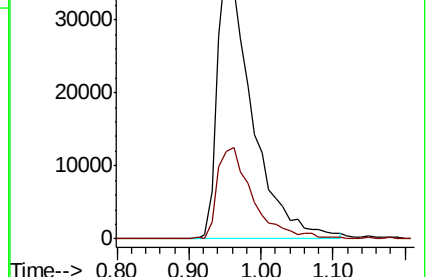
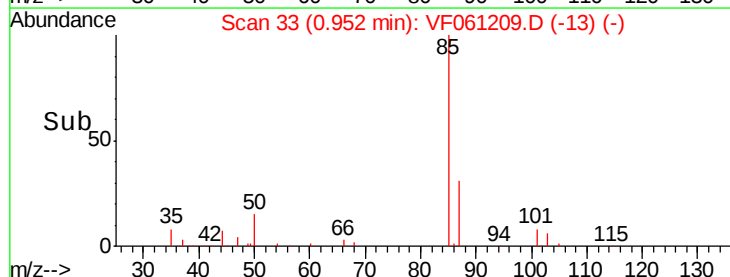


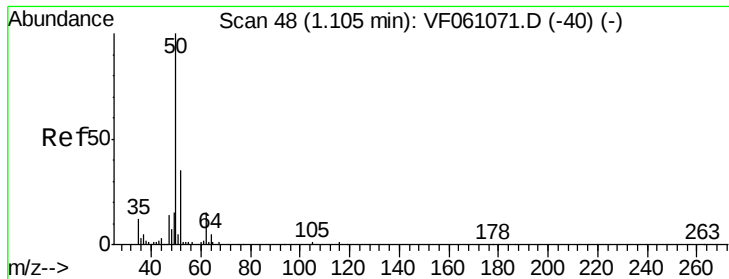
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

Time-->





#3

Chloromethane

Concen: 60.163 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

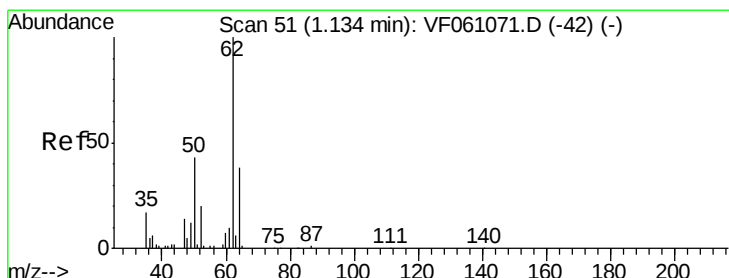
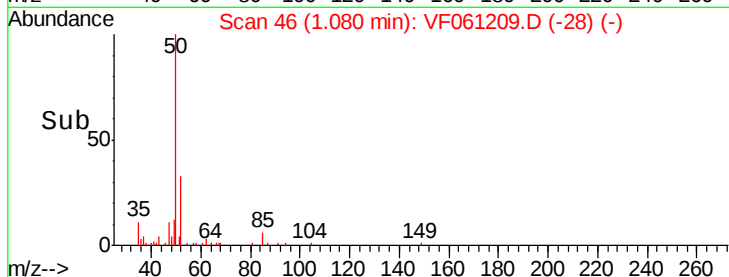
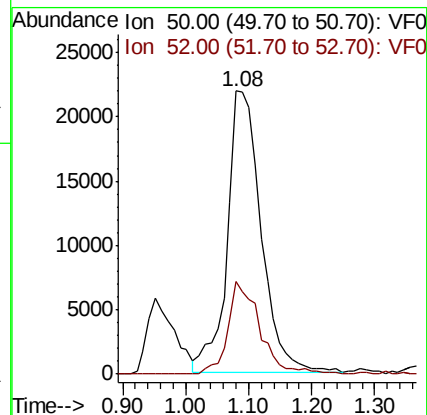
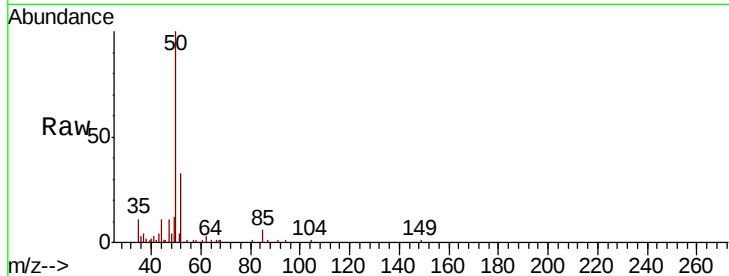
P001-SS001-0612-01MS

Tot Ion: 50 Resp: 80926

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 58.273 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061209.D

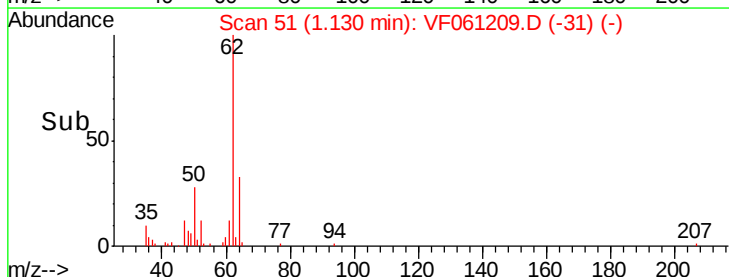
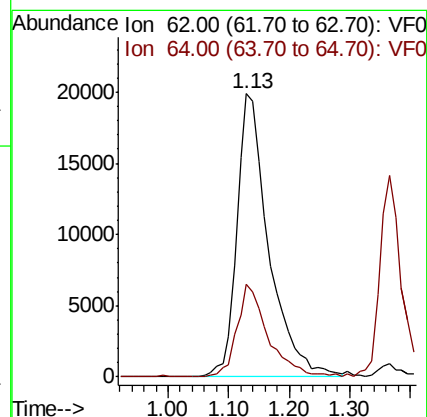
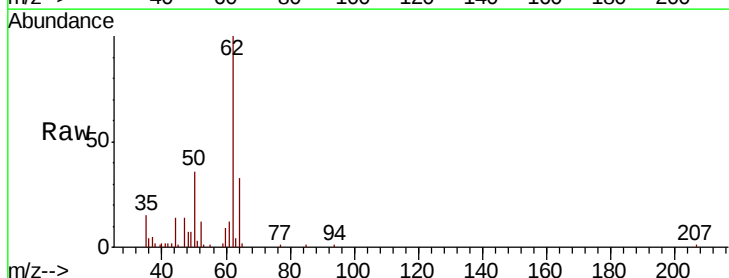
Acq: 27 Dec 2018 15:43

Tgt Ion: 62 Resp: 72713

Ion Ratio Lower Upper

62 100

64 32.6 30.4 45.6





#5

Bromomethane

Concen: 56.344 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

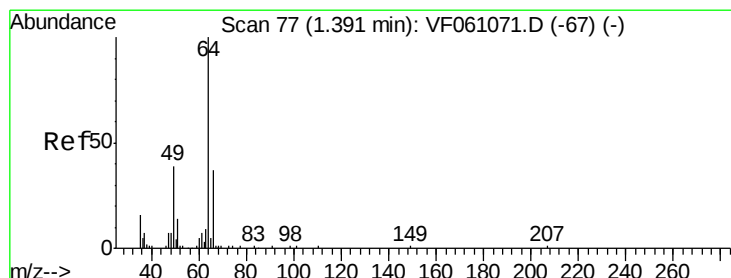
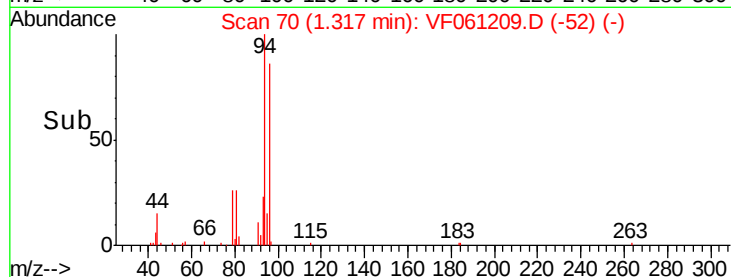
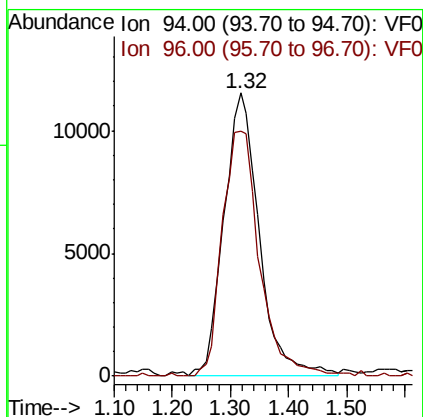
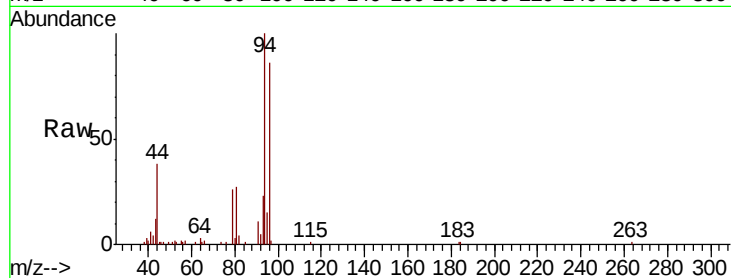
P001-SS001-0612-01MS

Tot Ion: 94 Resp: 48765

Ion Ratio Lower Upper

94 100

96 86.5 74.4 111.6



#6

Chloroethane

Concen: 60.326 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061209.D

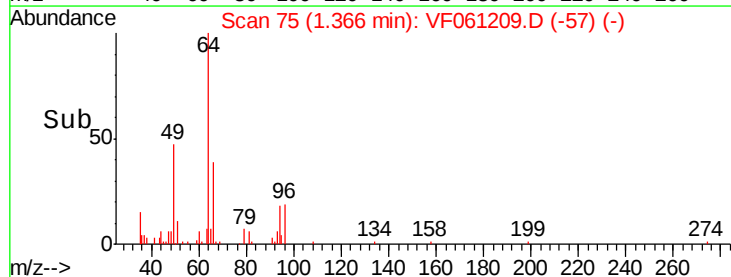
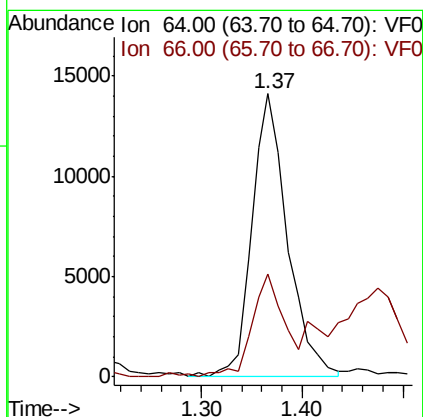
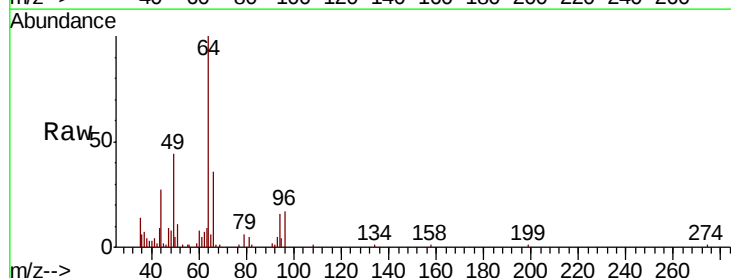
Acq: 27 Dec 2018 15:43

Tgt Ion: 64 Resp: 34685

Ion Ratio Lower Upper

64 100

66 36.2 30.9 46.3



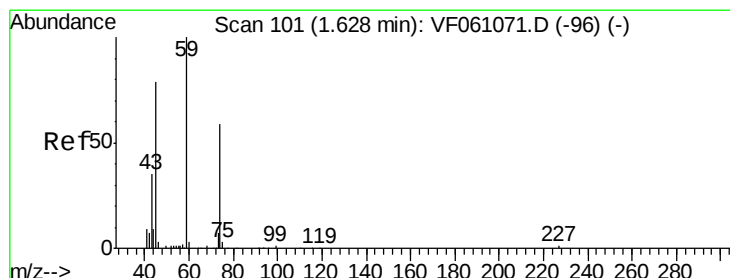
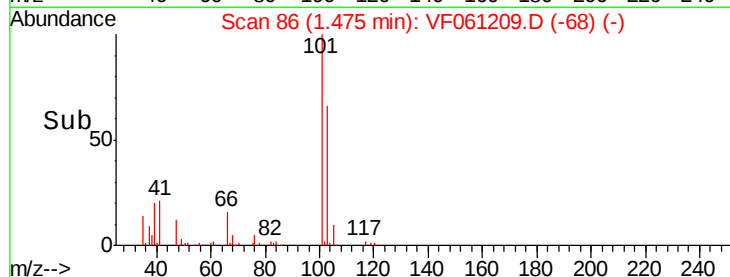
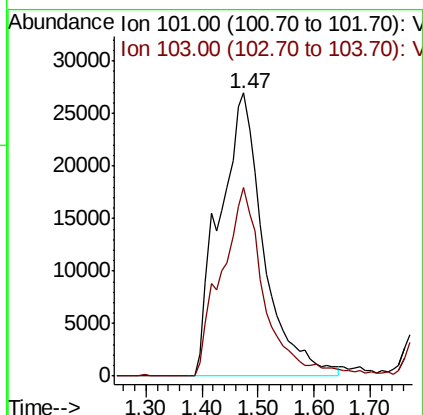
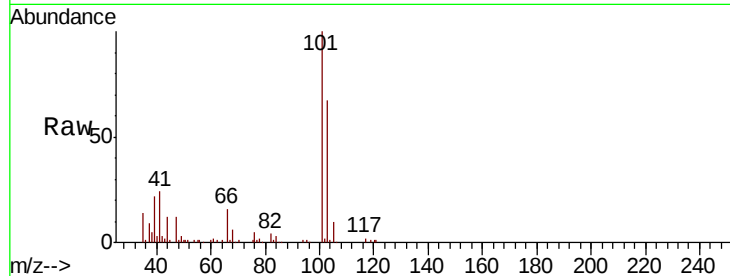


#7

Trichlorofluoromethane
 Concen: 62.003 ug/l
 RT: 1.47 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

Instrument :
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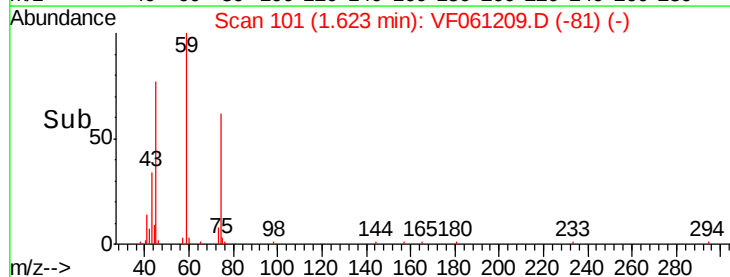
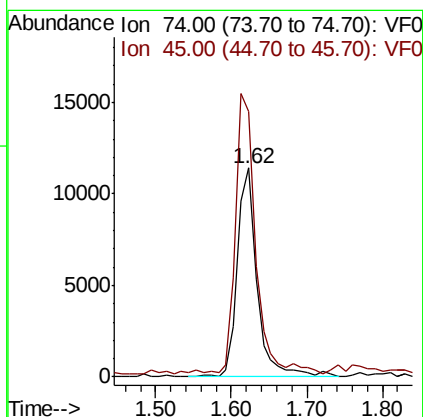
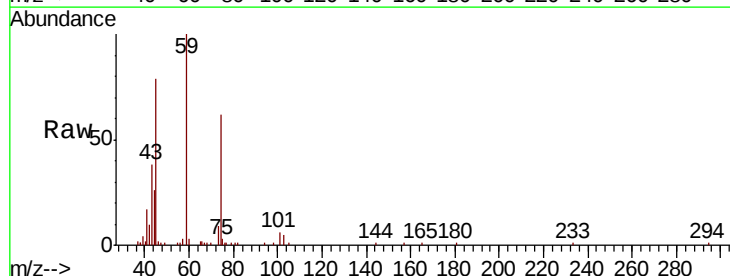
Tot Ion:101 Resp: 147724
 Ion Ratio Lower Upper
 101 100
 103 66.5 50.7 76.1



#8

Diethyl Ether
 Concen: 63.155 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

Tgt Ion: 74 Resp: 20605
 Ion Ratio Lower Upper
 74 100
 45 127.2 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.819 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.03 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

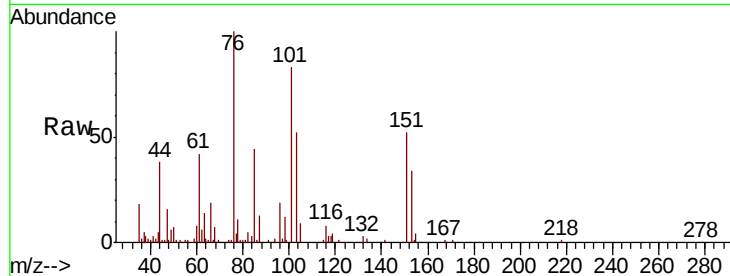
Tot Ion:101 Resp: 62778

Ion Ratio Lower Upper

101 100

85 52.2 44.5 66.7

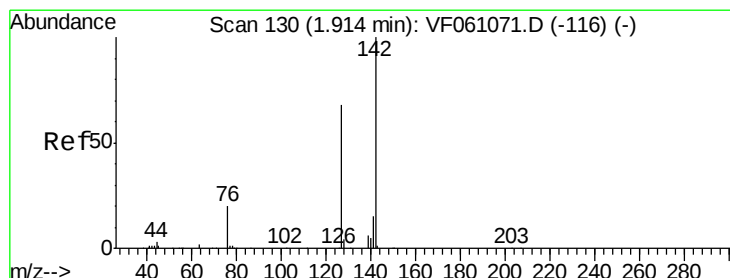
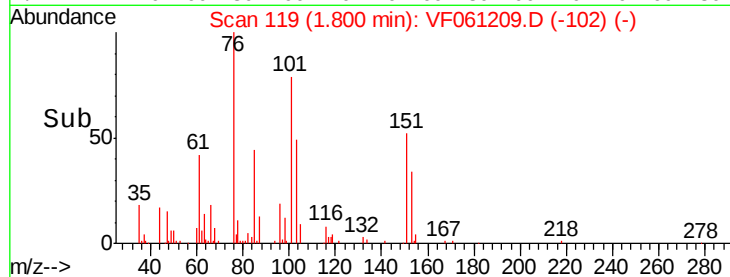
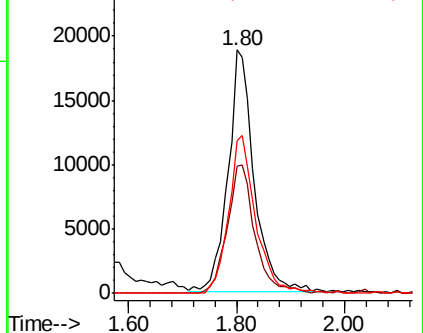
151 62.7 49.9 74.9



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: 48.108 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.04 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

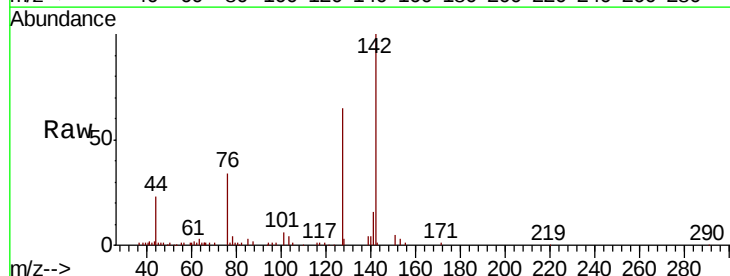
Tgt Ion:142 Resp: 93677

Ion Ratio Lower Upper

142 100

127 65.0 54.7 82.1

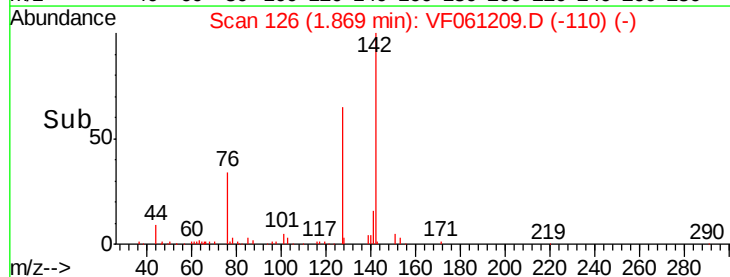
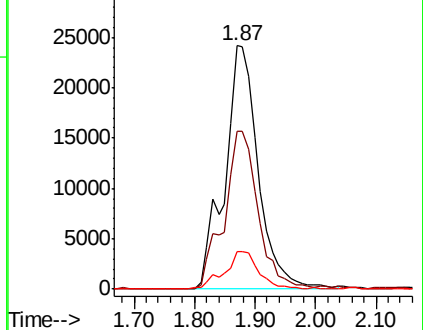
141 15.6 12.2 18.2

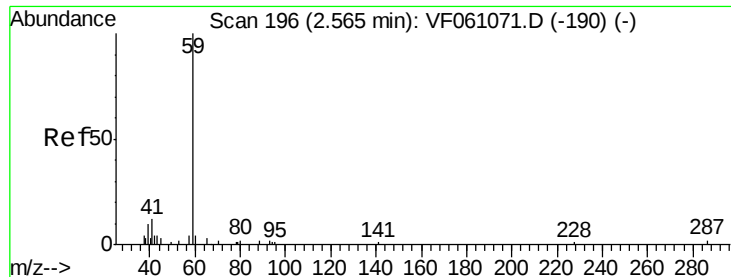


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

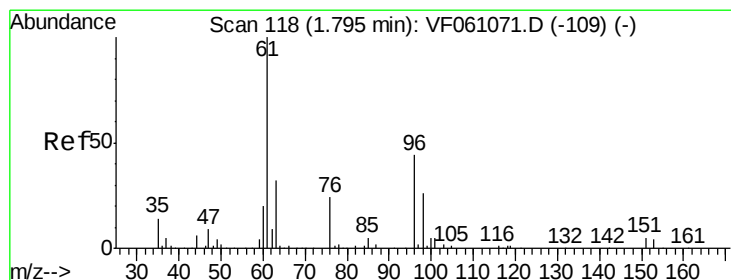
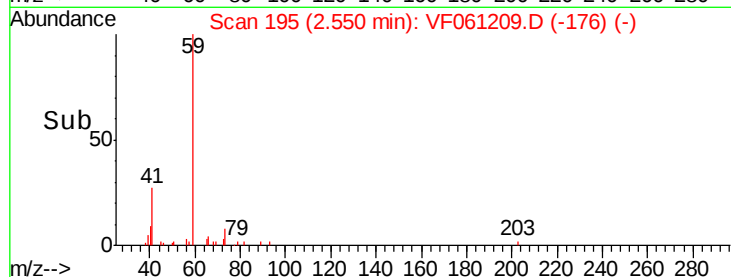
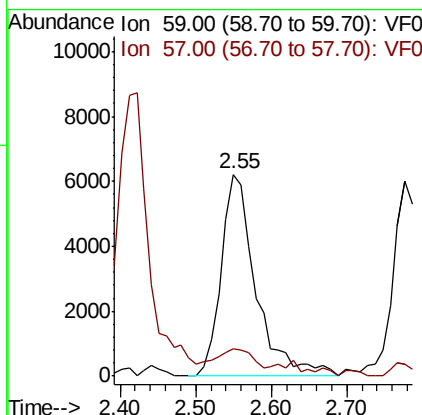
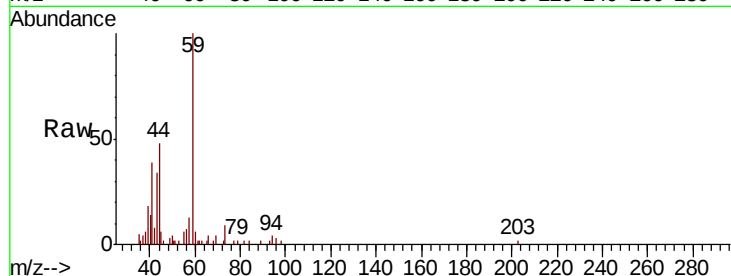




#11
Tert butyl alcohol
Concen: 360.582 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

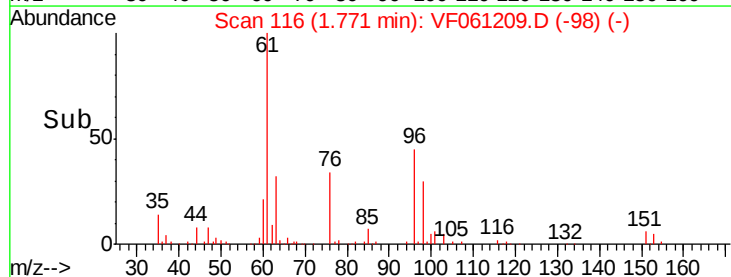
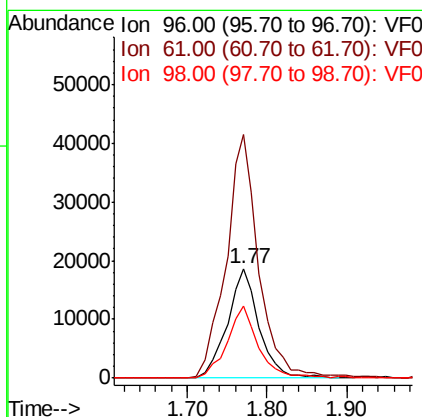
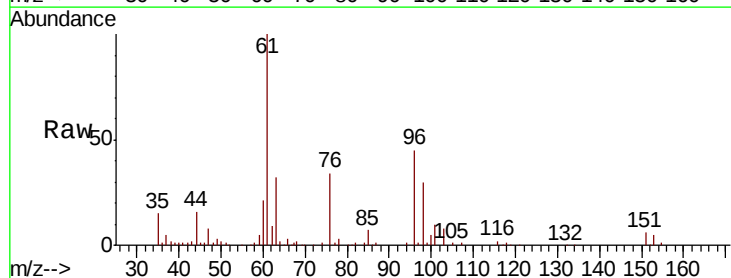
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

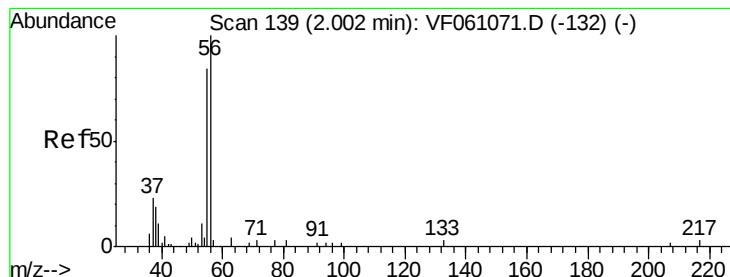
Tot Ion: 59 Resp: 19770
Ion Ratio Lower Upper
59 100
57 13.4 11.5 17.3



#12
1,1-Dichloroethene
Concen: 55.445 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 96 Resp: 51630
Ion Ratio Lower Upper
96 100
61 222.4 182.0 273.0
98 66.2 46.5 69.7





#13

Acrolein

Concen: 11.535 ug/l

RT: 2.15 min Scan# 154

Delta R.T. 0.14 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

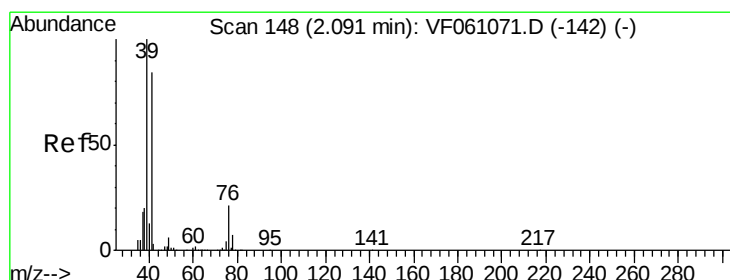
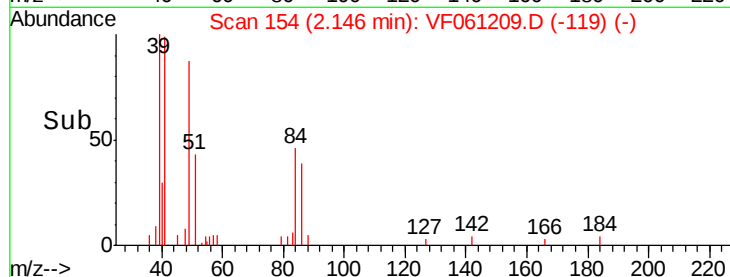
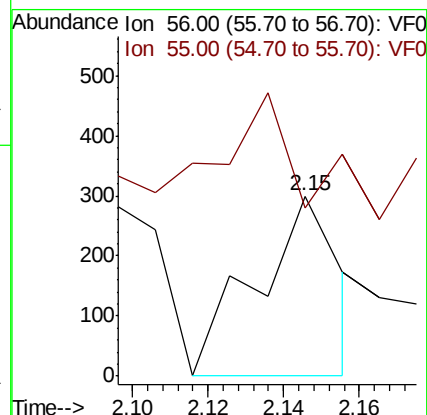
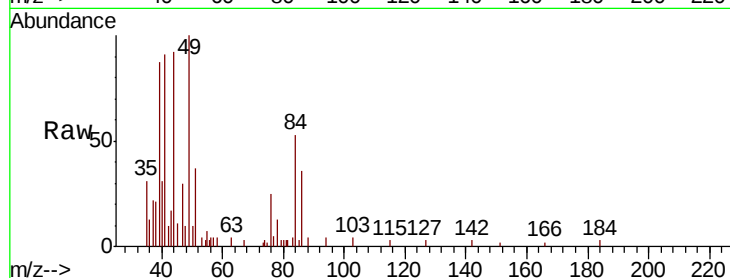
P001-SS001-0612-01MS

Tot Ion: 56 Resp: 457

Ion Ratio Lower Upper

56 100

55 93.6 70.2 105.2



#14

Allyl chloride

Concen: 92.958 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

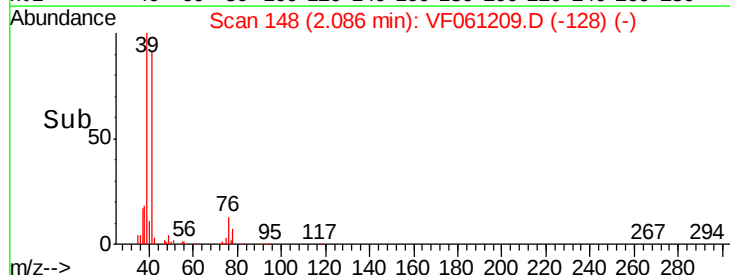
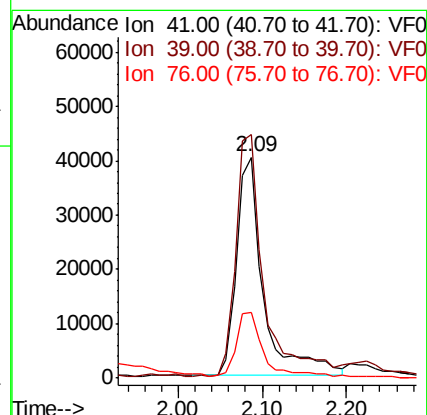
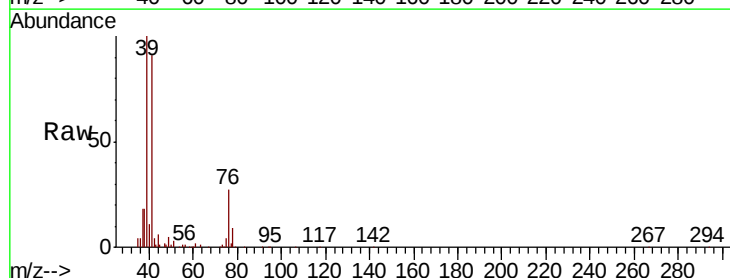
Tgt Ion: 41 Resp: 90081

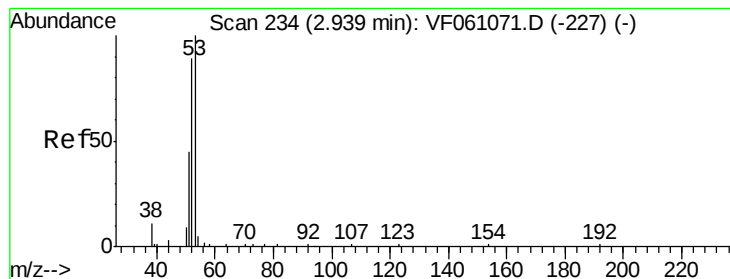
Ion Ratio Lower Upper

41 100

39 110.3 96.4 144.6

76 29.8 25.4 38.0





#15

Acrylonitrile

Concen: 334.554 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

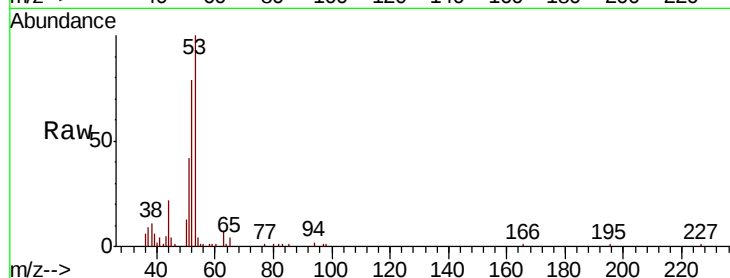
Tot Ion: 53 Resp: 42416

Ion Ratio Lower Upper

53 100

52 78.8 71.3 106.9

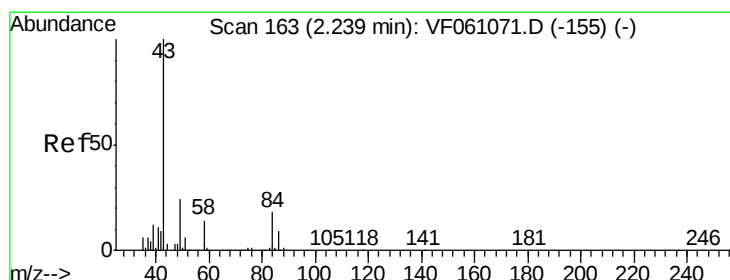
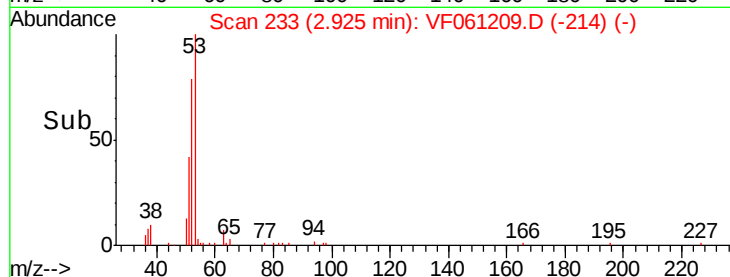
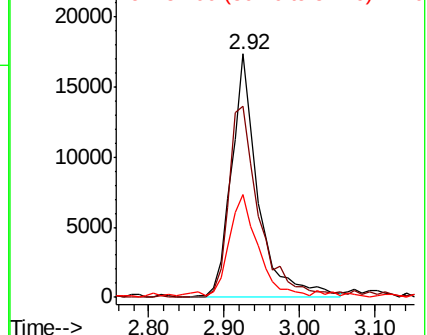
51 42.3 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 340.391 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061209.D

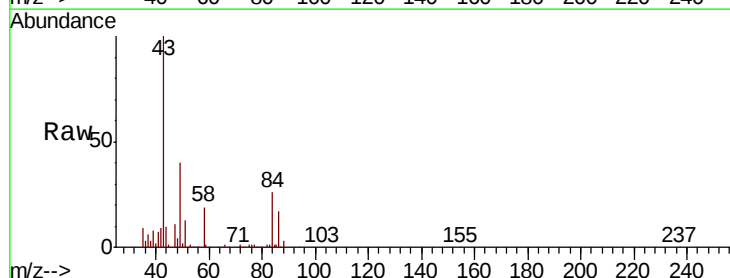
Acq: 27 Dec 2018 15:43

Tgt Ion: 43 Resp: 92455

Ion Ratio Lower Upper

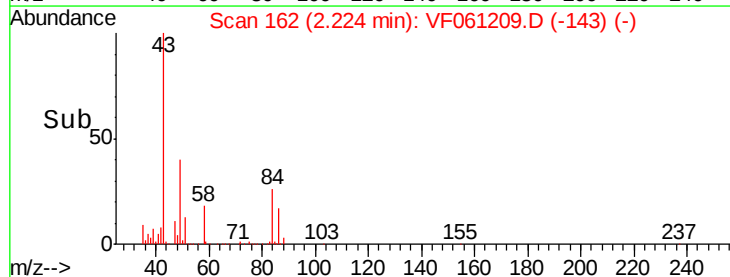
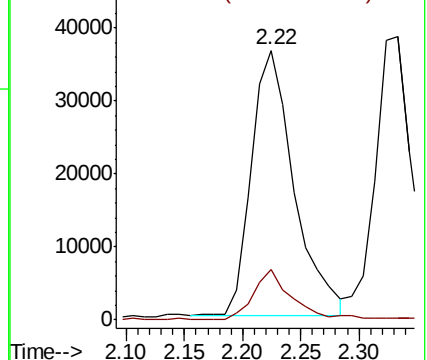
43 100

58 18.5 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

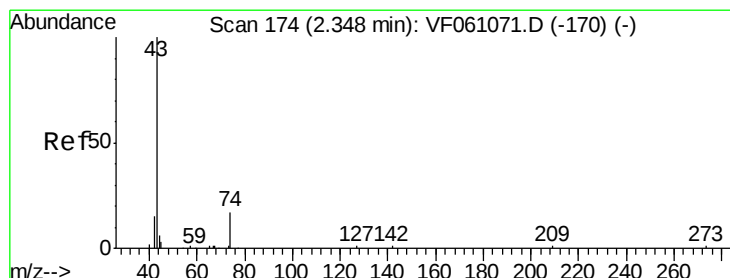
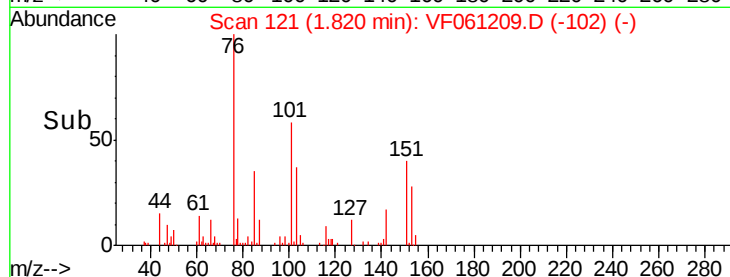
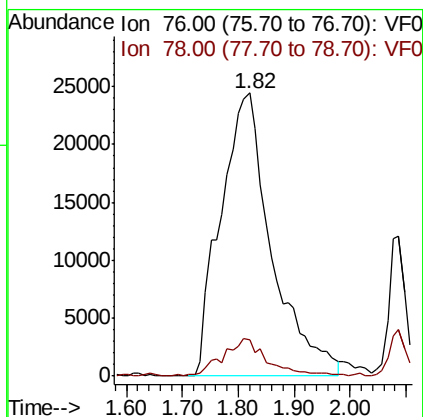
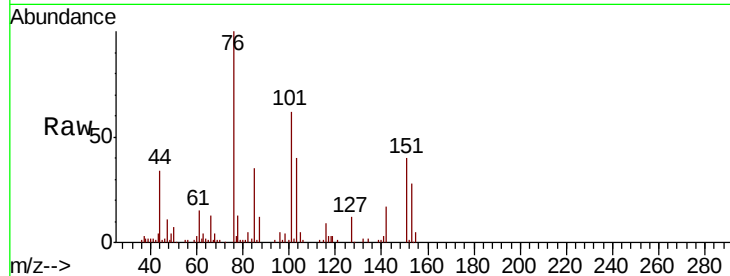




#17
Carbon Disulfide
Concen: 54.919 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

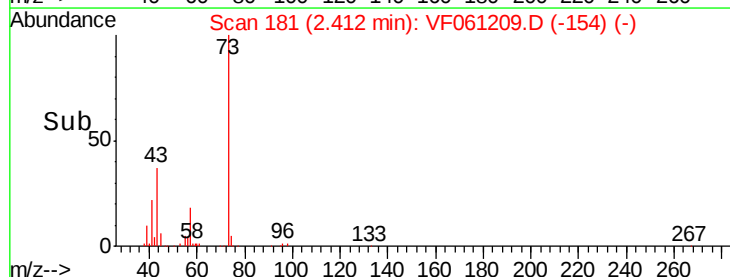
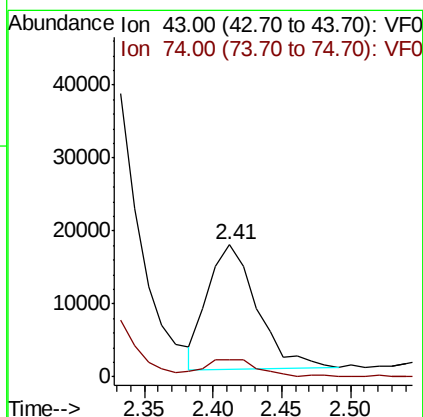
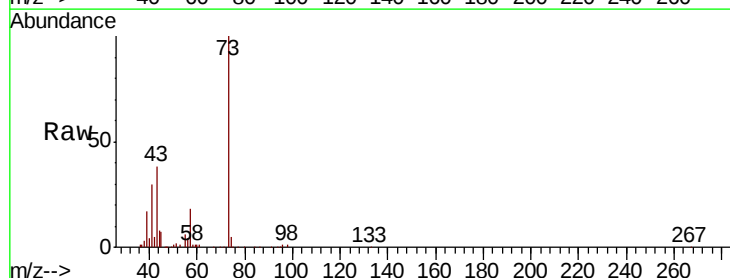
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

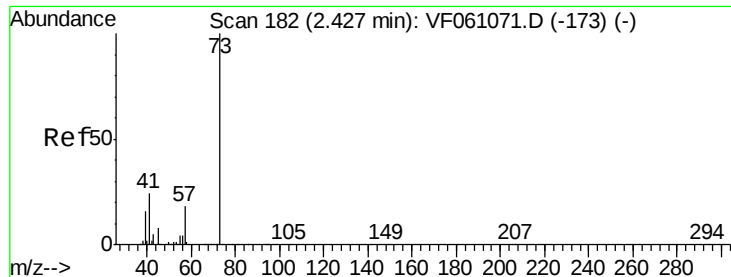
Tot Ion: 76 Resp: 154545
Ion Ratio Lower Upper
76 100
78 12.8 10.2 15.4



#18
Methyl Acetate
Concen: 75.239 ug/l
RT: 2.41 min Scan# 181
Delta R.T. 0.06 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 43 Resp: 42280
Ion Ratio Lower Upper
43 100
74 12.9 11.0 16.6



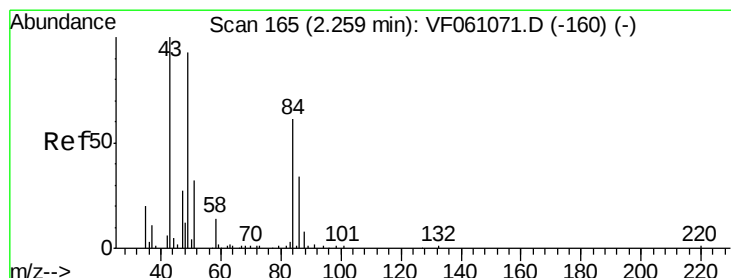
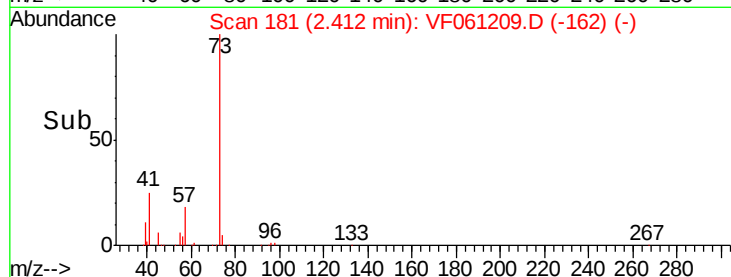
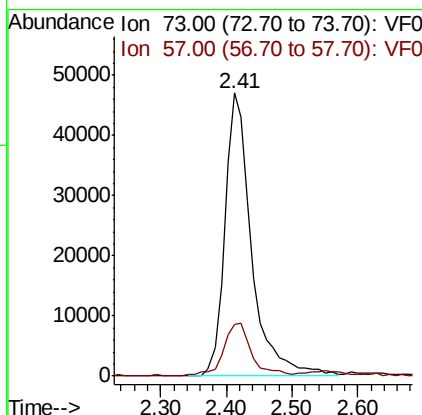
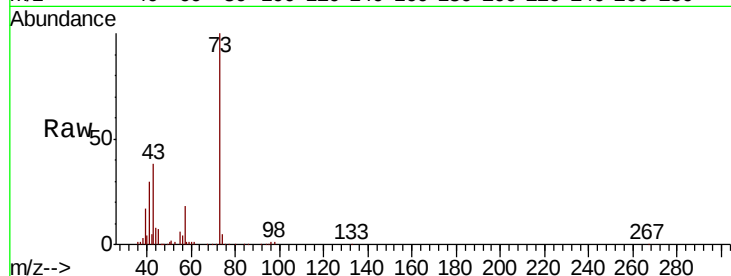


#19

Methyl tert-butyl Ether
Concen: 64.854 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

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

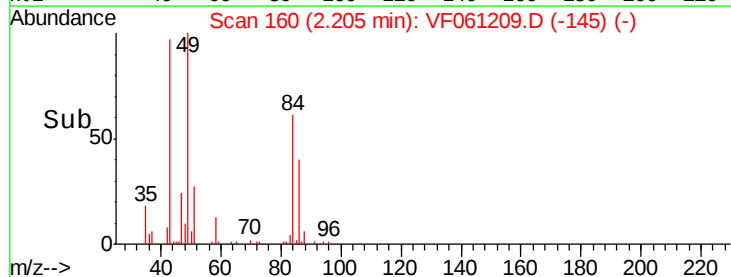
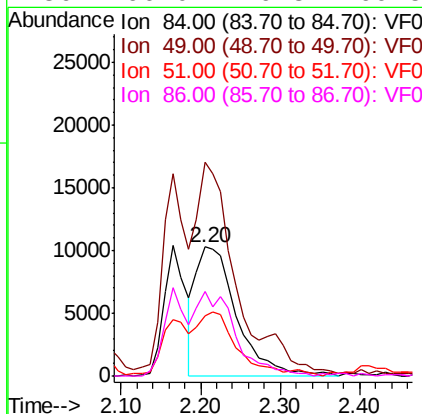
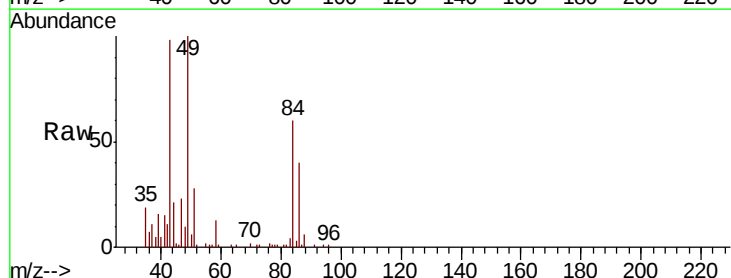
Tot Ion: 73 Resp: 134047
Ion Ratio Lower Upper
73 100
57 18.4 14.5 21.7

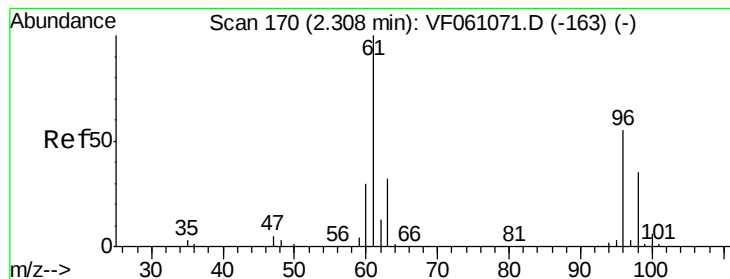


#20

Methylene Chloride
Concen: 41.395 ug/l
RT: 2.20 min Scan# 160
Delta R.T. -0.05 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 84 Resp: 36600
Ion Ratio Lower Upper
84 100
49 165.8 129.4 194.2
51 46.6 44.0 66.0
86 66.0 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 60.032 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

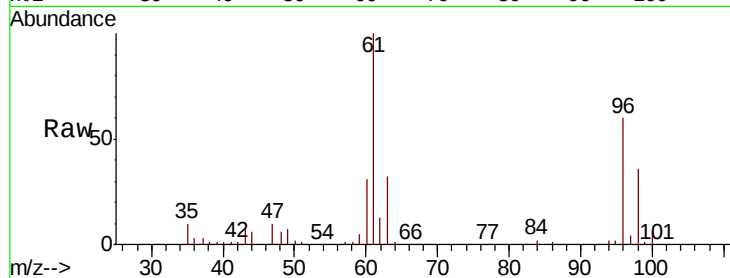
Tot Ion: 96 Resp: 59789

Ion Ratio Lower Upper

96 100

61 167.9 146.0 219.0

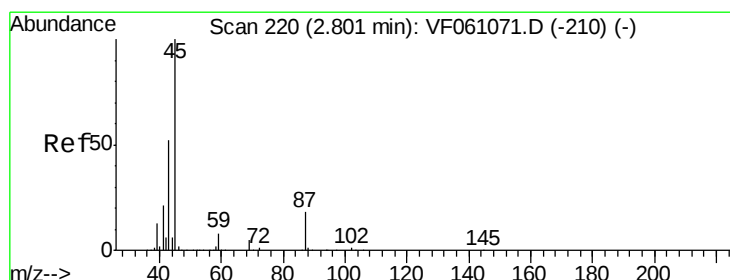
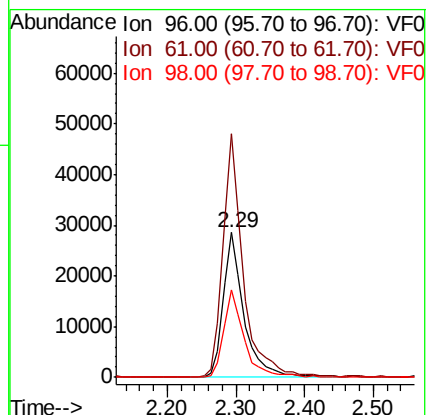
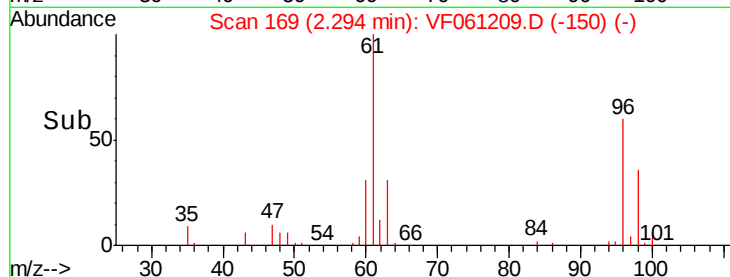
98 59.9 51.6 77.4



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: 60.091 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Tgt Ion: 45 Resp: 193970

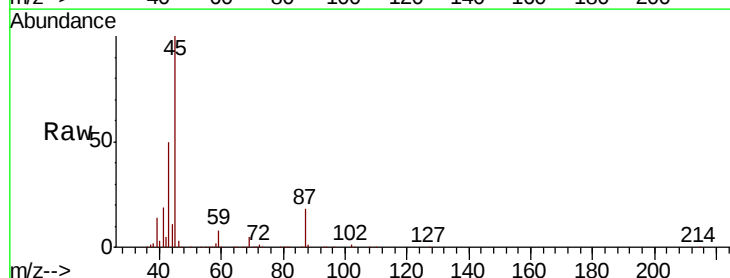
Ion Ratio Lower Upper

45 100

43 49.8 42.2 63.2

87 18.1 14.6 22.0

59 8.0 7.0 10.4

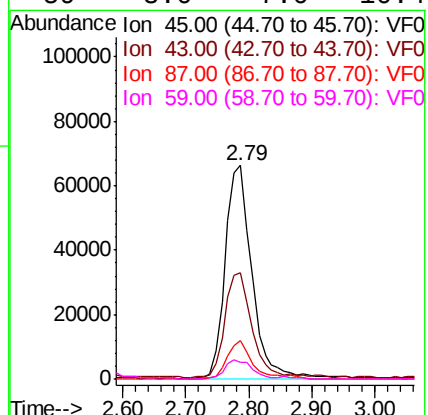
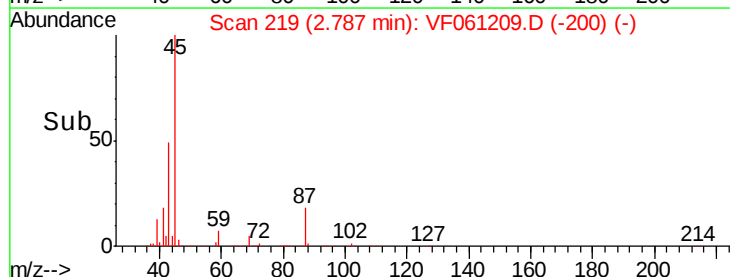


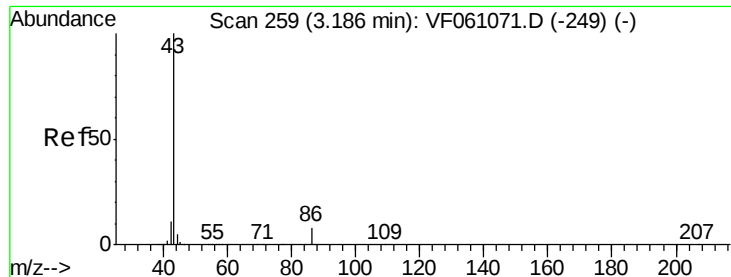
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 40.637 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

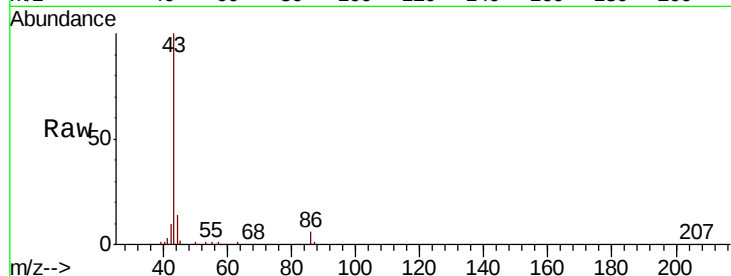
P001-SS001-0612-01MS

Tot Ion: 43 Resp: 60514

Ion Ratio Lower Upper

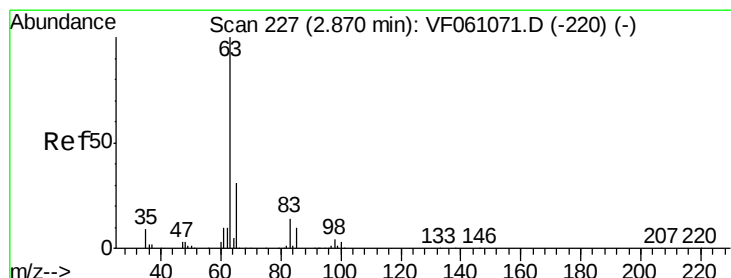
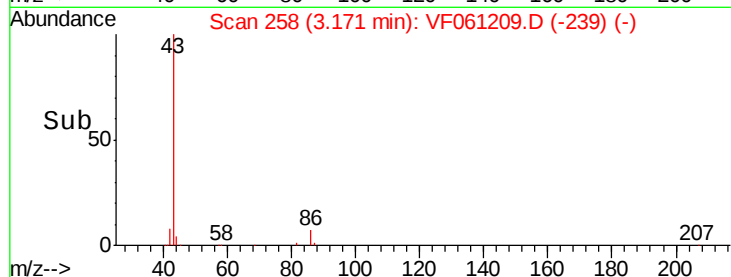
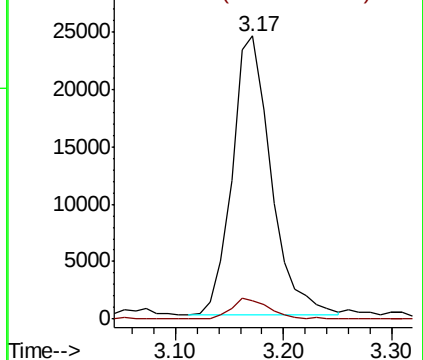
43 100

86 6.4 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: 64.227 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

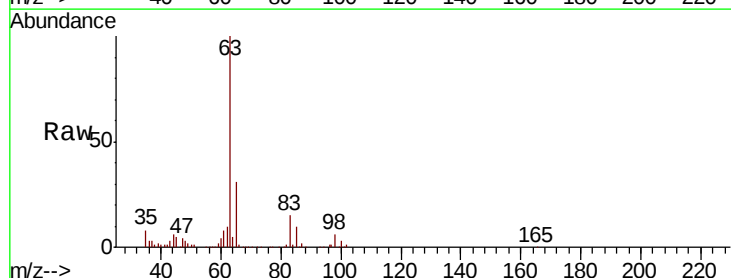
Tgt Ion: 63 Resp: 122837

Ion Ratio Lower Upper

63 100

98 5.6 2.1 6.5

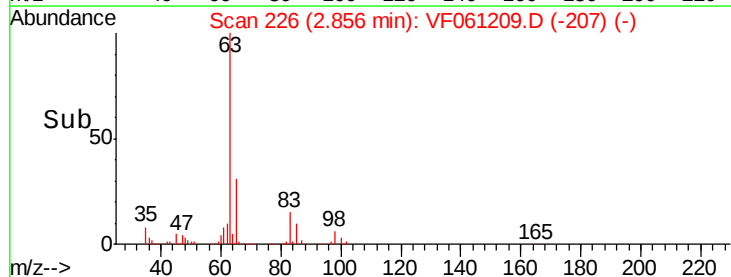
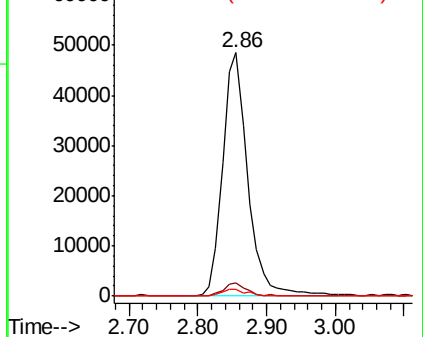
100 2.8 1.7 5.1

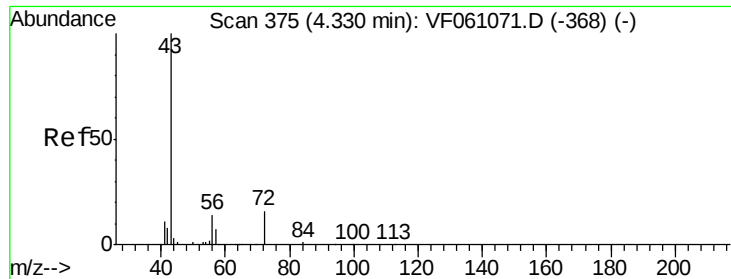


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 323.796 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

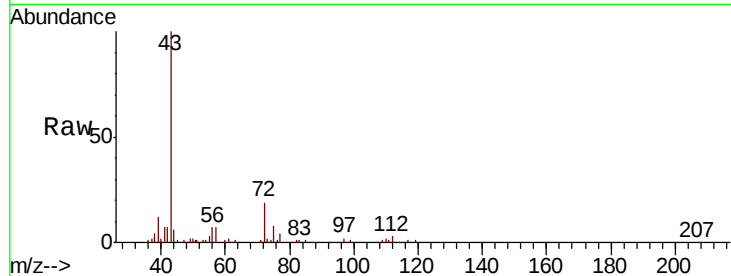
P001-SS001-0612-01MS

Tot Ion: 43 Resp: 142634

Ion Ratio Lower Upper

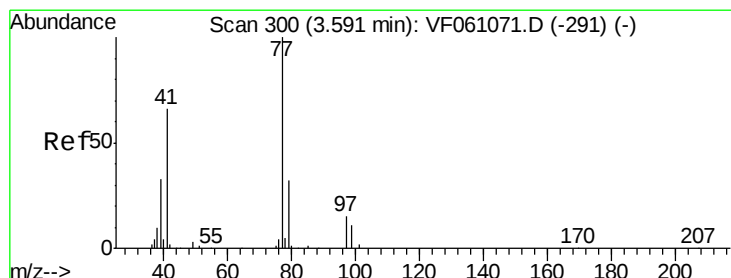
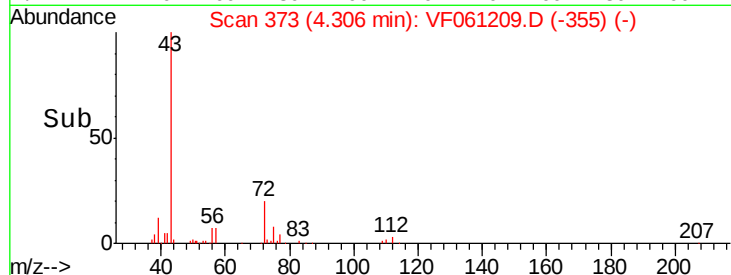
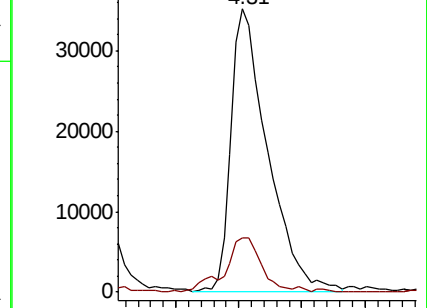
43 100

72 19.4 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: 71.613 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061209.D

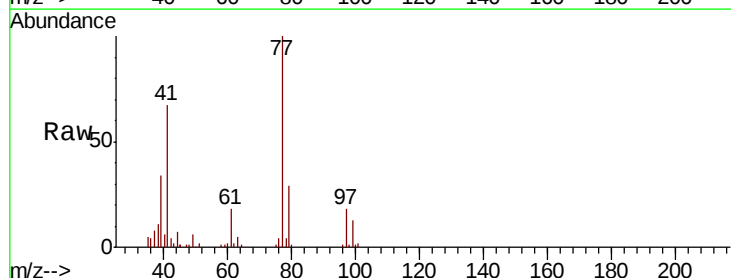
Acq: 27 Dec 2018 15:43

Tgt Ion: 77 Resp: 78600

Ion Ratio Lower Upper

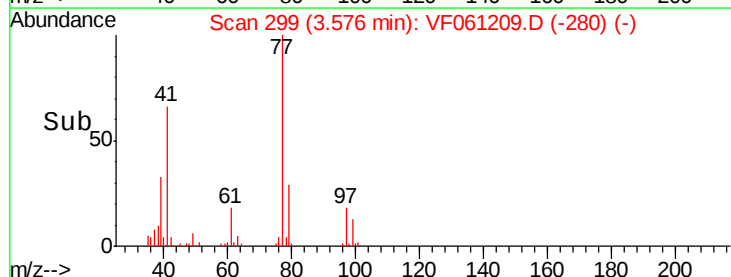
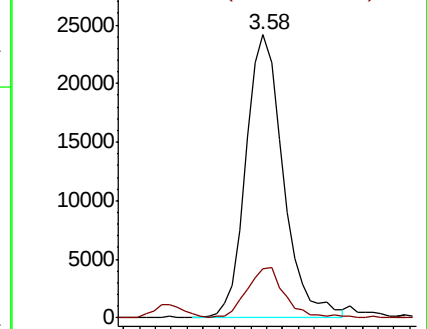
77 100

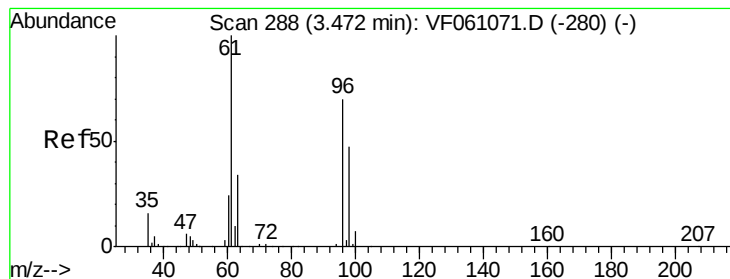
97 17.5 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



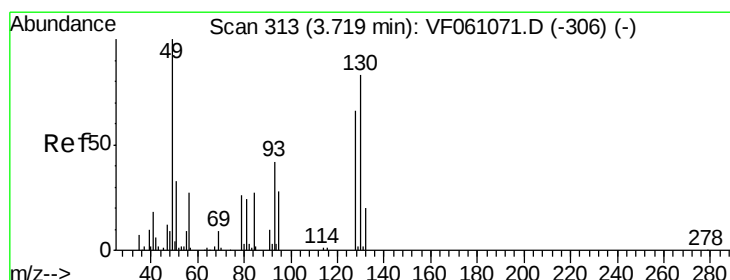
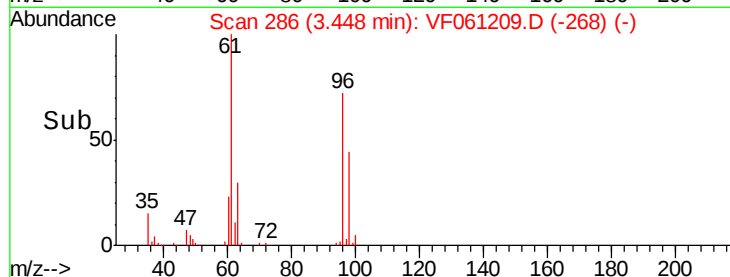
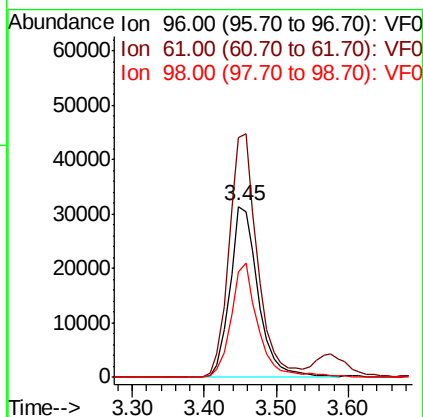
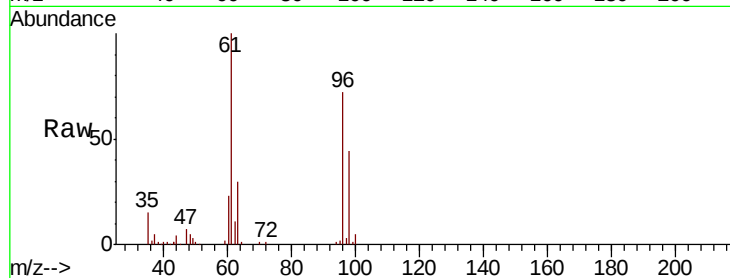


#27

cis-1,2-Dichloroethene
Concen: 56.436 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

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

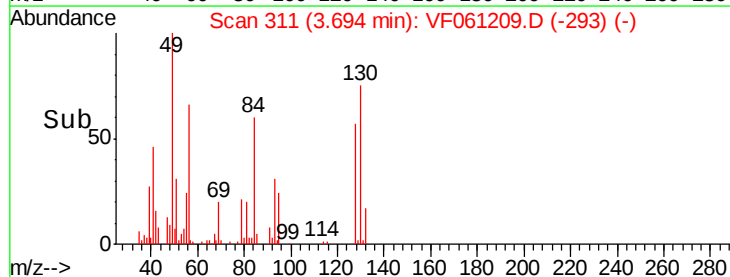
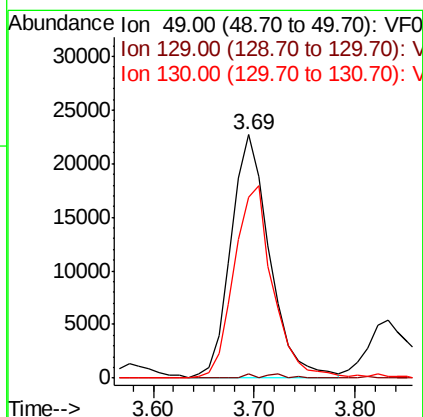
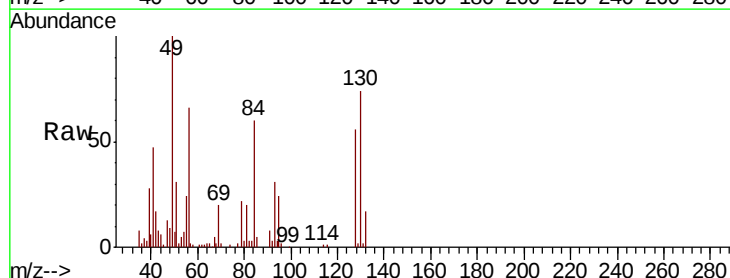
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	287.8
98	61.2	0.0	134.2

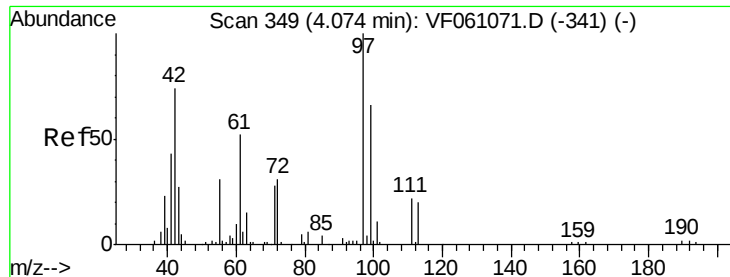


#28

Bromochloromethane
Concen: 62.810 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	74.4	65.8	98.6

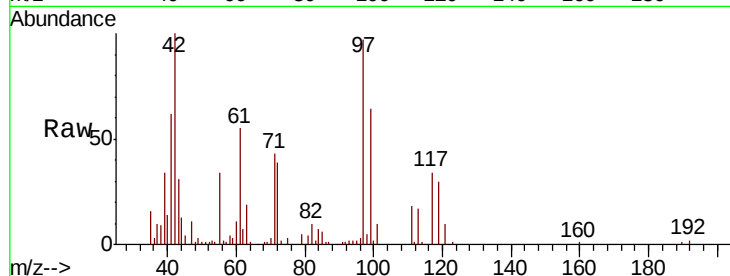




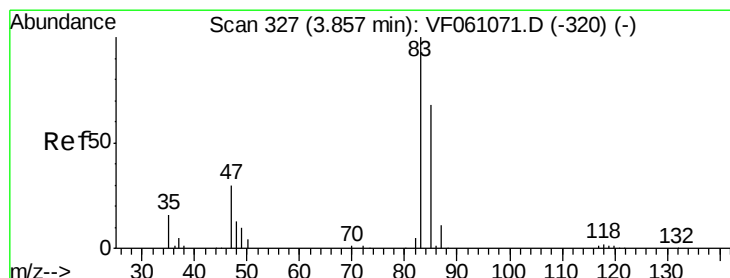
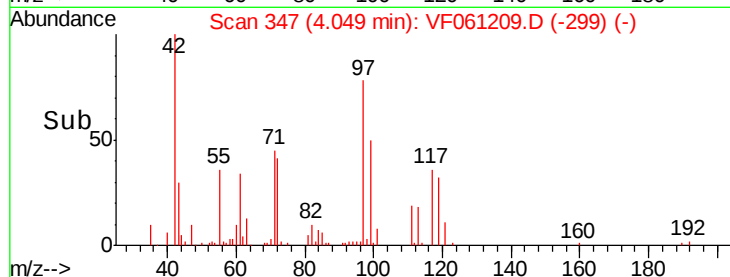
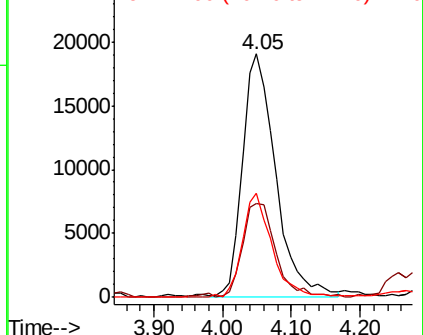
#29
Tetrahydrofuran
Concen: 359.723 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

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

Tot Ion: 42 Resp: 64495
Ion Ratio Lower Upper
42 100
72 38.6 31.8 47.8
71 37.7 29.7 44.5

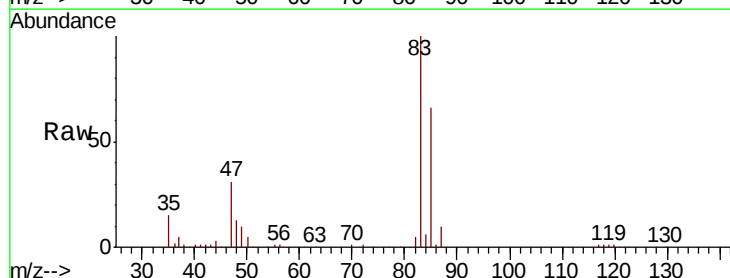


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

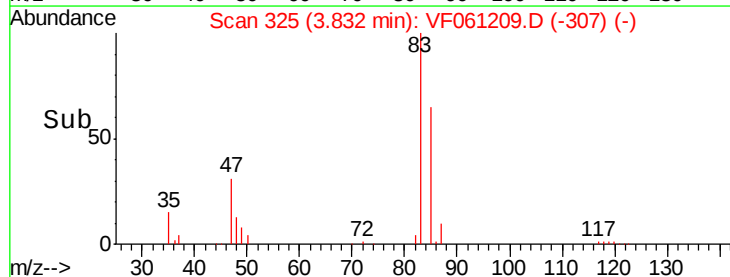
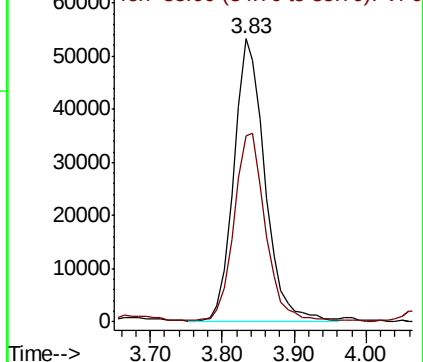


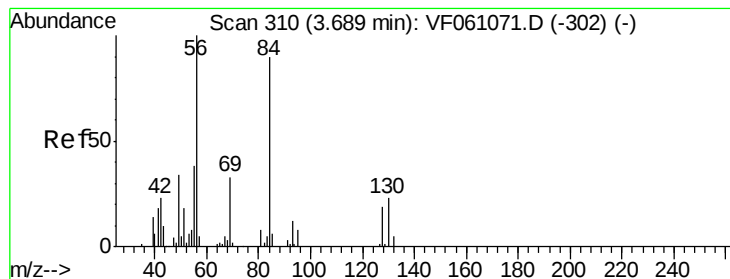
#30
Chloroform
Concen: 55.423 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 83 Resp: 158937
Ion Ratio Lower Upper
83 100
85 65.9 54.5 81.7



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





#31

Cvclohexane

Concen: 48.285 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

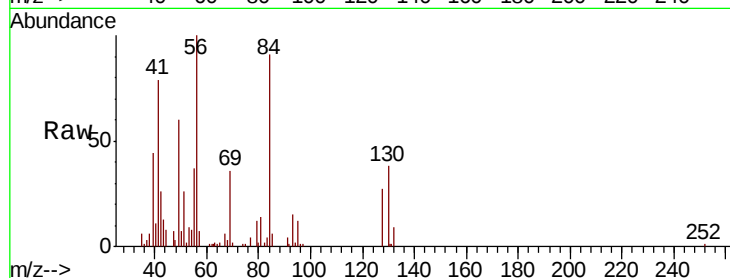
Tot Ion: 56 Resp: 95825

Ion Ratio Lower Upper

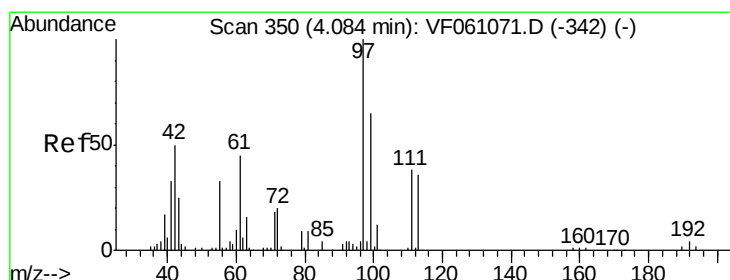
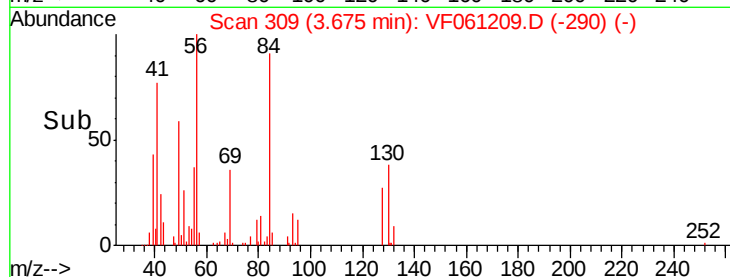
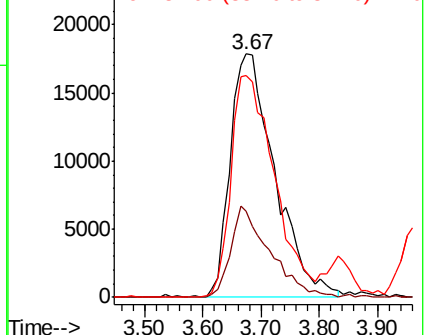
56 100

69 35.6 26.0 39.0

84 91.4 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: 72.779 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

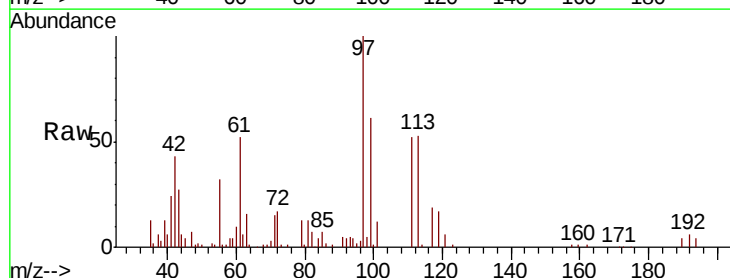
Tgt Ion: 97 Resp: 125096

Ion Ratio Lower Upper

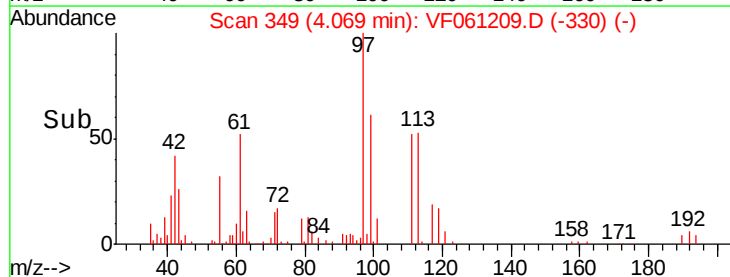
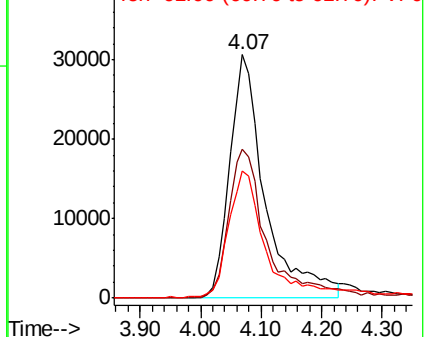
97 100

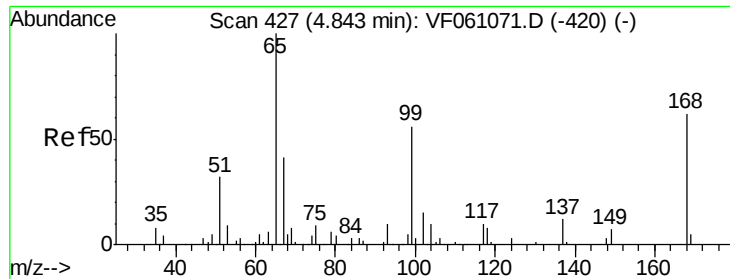
99 61.4 51.6 77.4

61 52.1 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: 57.045 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

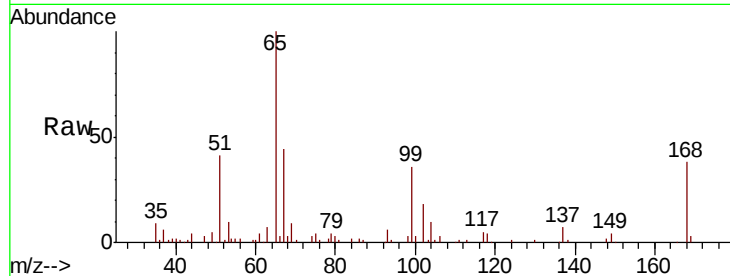
P001-SS001-0612-01MS

Tot Ion: 65 Resp: 77505

Ion Ratio Lower Upper

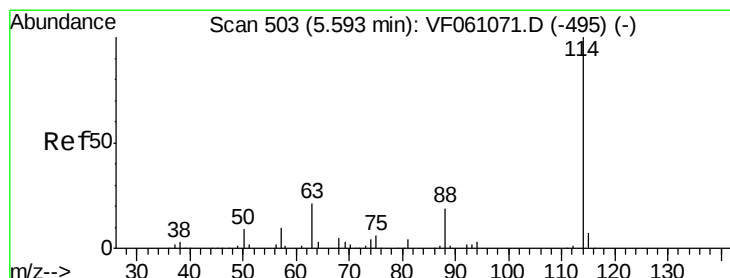
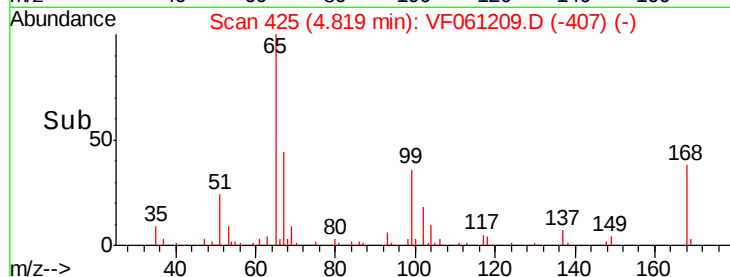
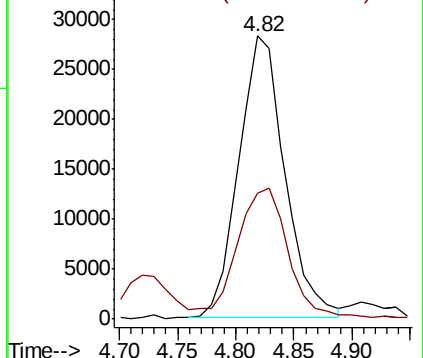
65 100

67 44.4 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

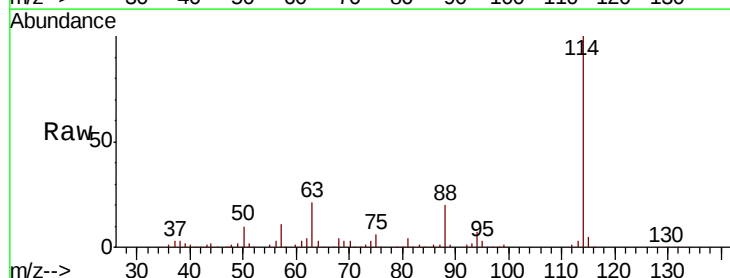
Tgt Ion: 114 Resp: 187368

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.6

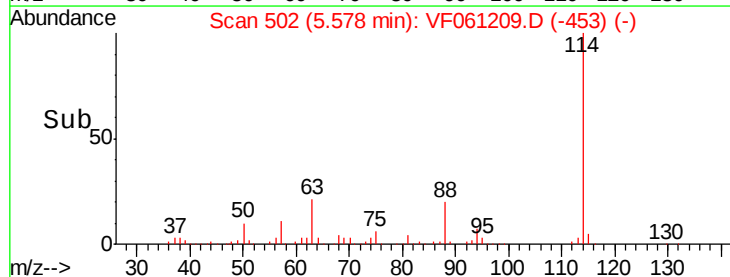
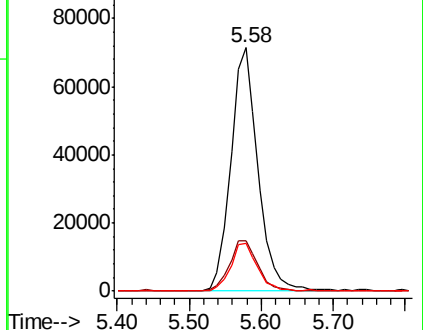
88 19.7 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 55.656 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

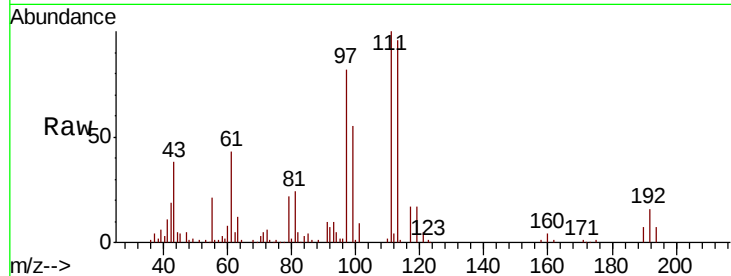
Tot Ion:113 Resp: 83535

Ion Ratio Lower Upper

113 100

111 104.2 85.2 127.8

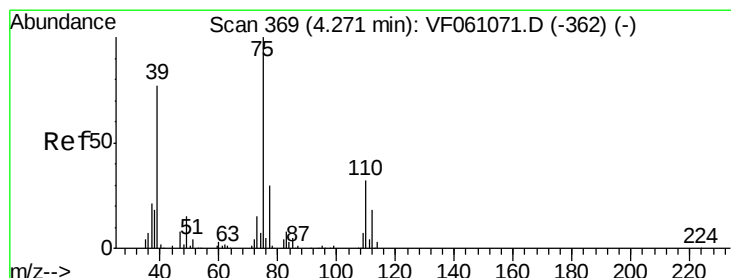
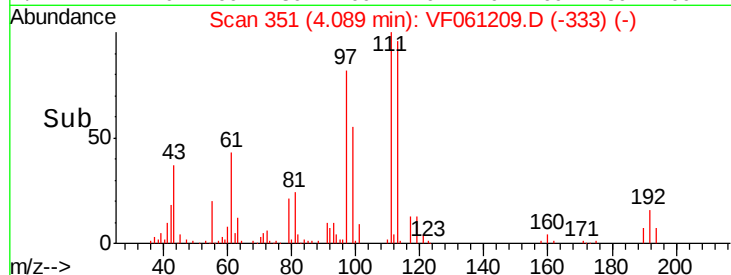
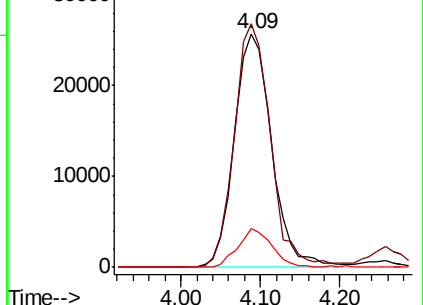
192 16.4 12.8 19.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.854 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

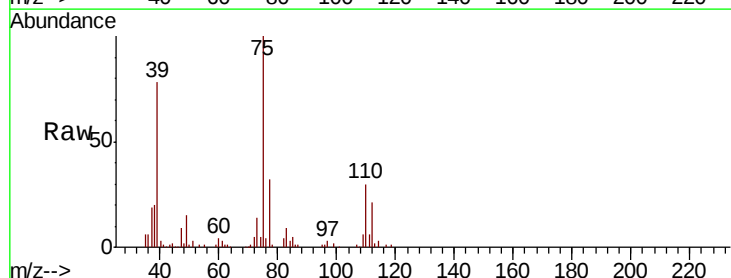
Tgt Ion: 75 Resp: 112753

Ion Ratio Lower Upper

75 100

110 30.3 16.1 48.2

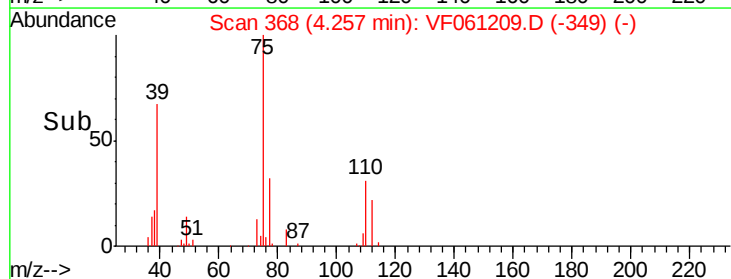
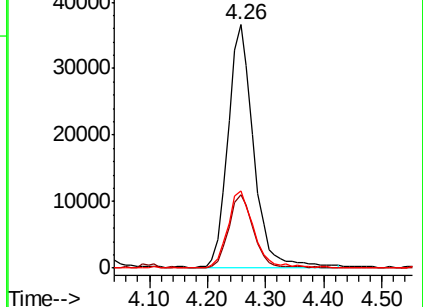
77 31.7 24.5 36.7

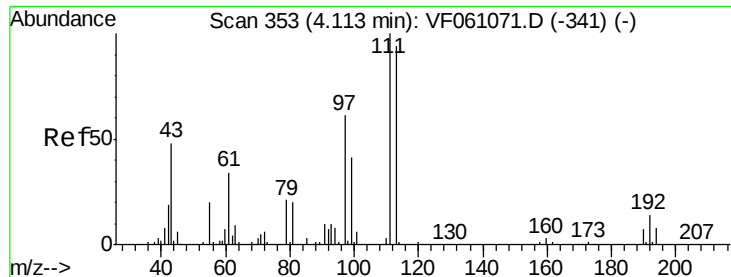


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

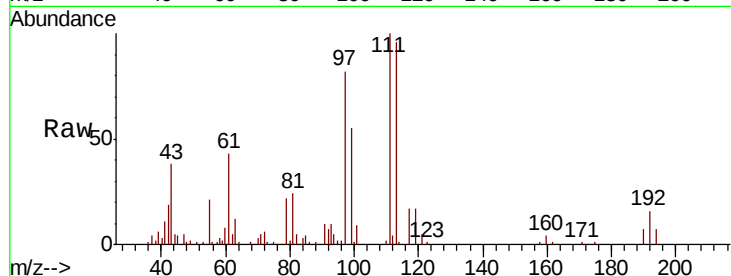




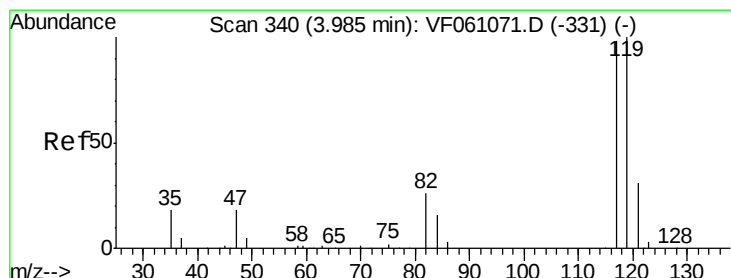
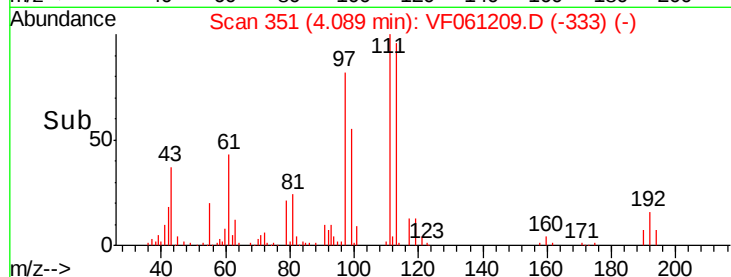
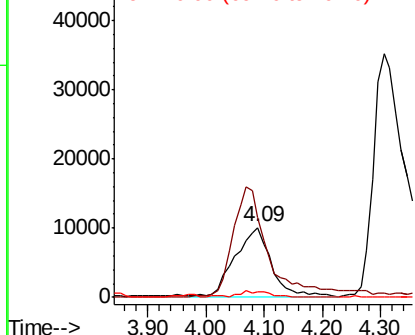
#37
Ethyl Acetate
Concen: 50.866 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

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

Tot Ion: 43 Resp: 44606
Ion Ratio Lower Upper
43 100
61 114.6 56.6 84.8#
70 8.1 6.3 9.5

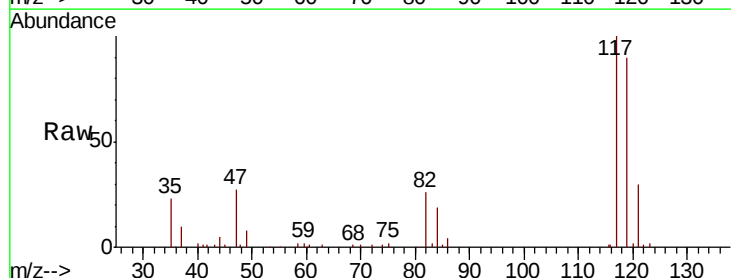


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

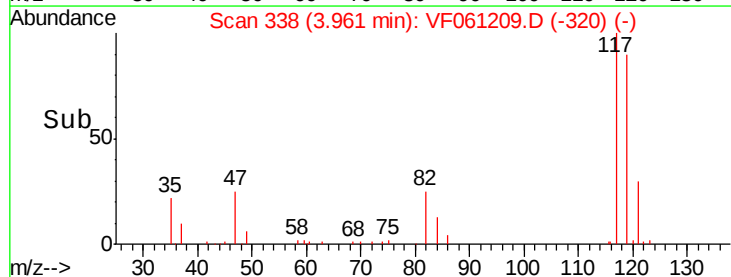
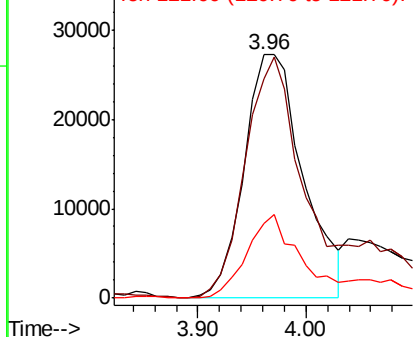


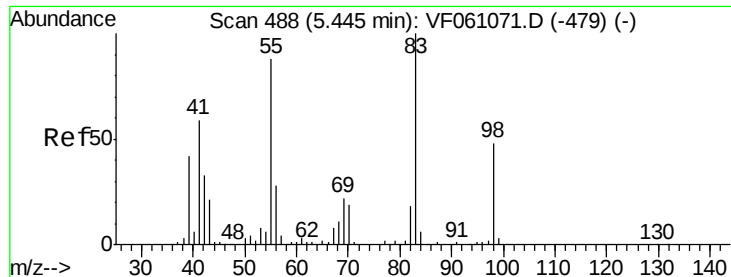
#38
Carbon Tetrachloride
Concen: 60.490 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 117 Resp: 104185
Ion Ratio Lower Upper
117 100
119 90.2 82.1 123.1
121 30.4 25.5 38.3



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

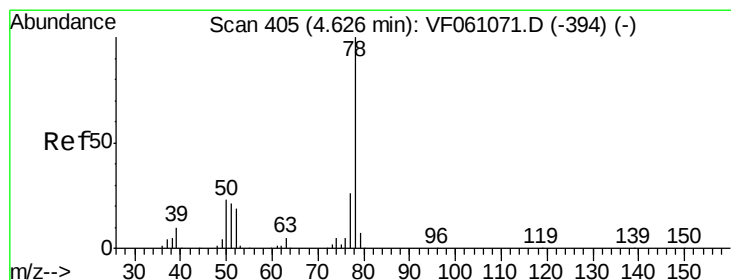
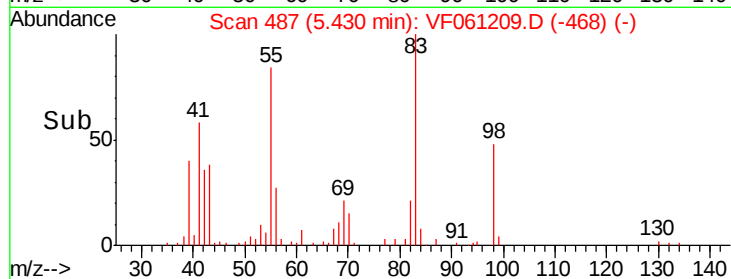
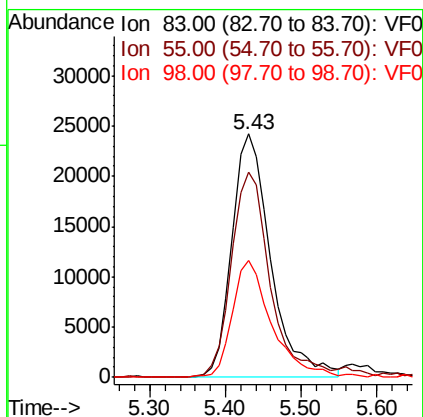
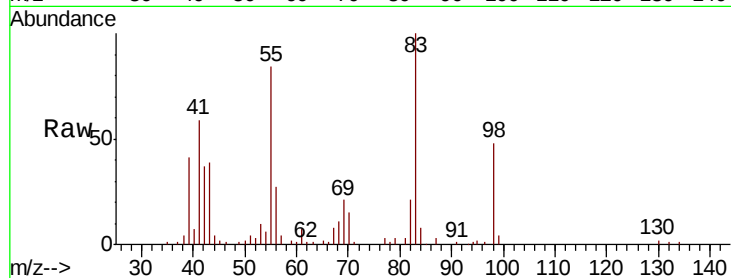




#39
Methvlcvclohexane
Concen: 42.626 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

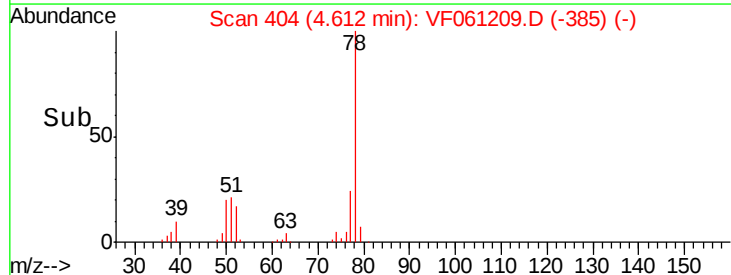
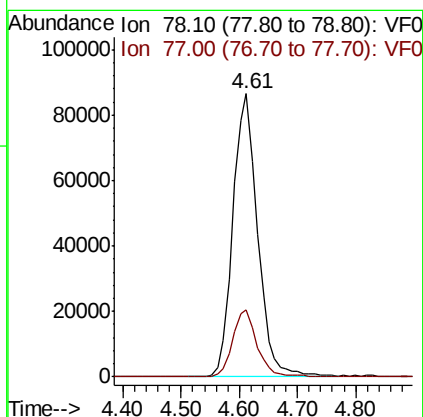
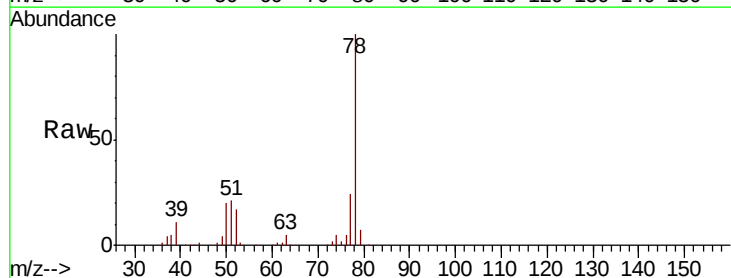
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

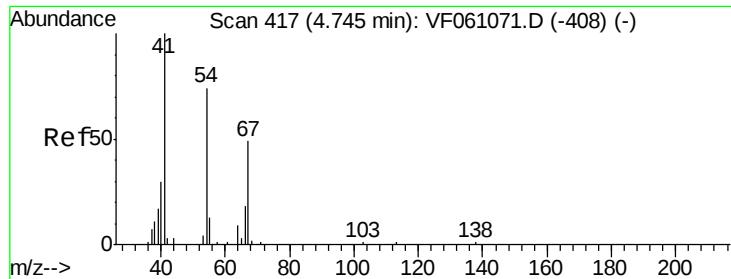
Tot Ion: 83 Resp: 86489
Ion Ratio Lower Upper
83 100
55 84.2 70.6 105.8
98 48.2 38.5 57.7



#40
Benzene
Concen: 52.745 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 78 Resp: 256538
Ion Ratio Lower Upper
78 100
77 23.8 20.7 31.1

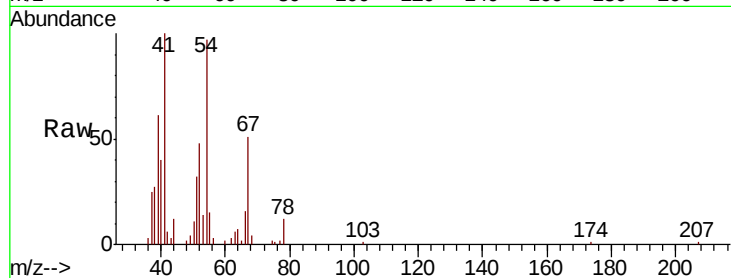




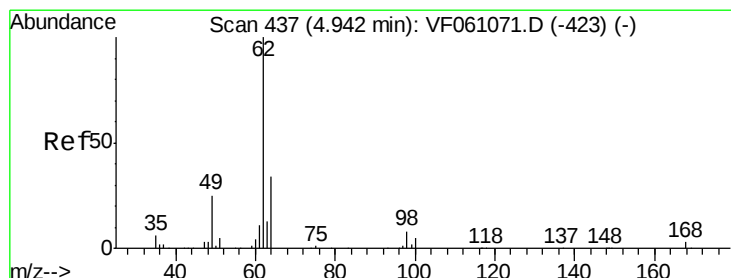
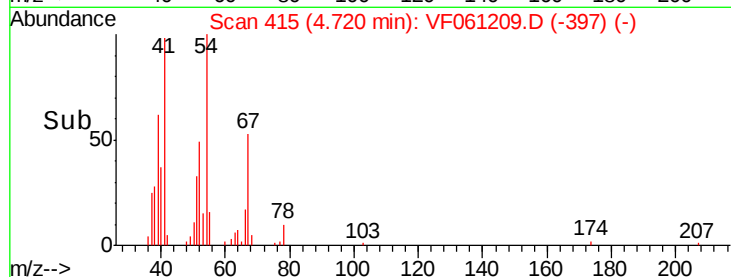
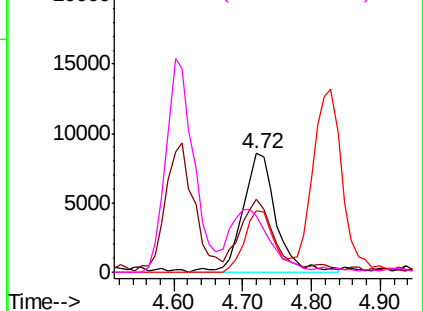
#41
Methacrylonitrile
Concen: 59.530 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

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

Tot Ion:	41	Resp:	28434
Ion	Ratio	Lower	Upper
41	100		
39	61.0	45.7	68.5
67	51.2	38.9	58.3
52	47.6	35.2	52.8

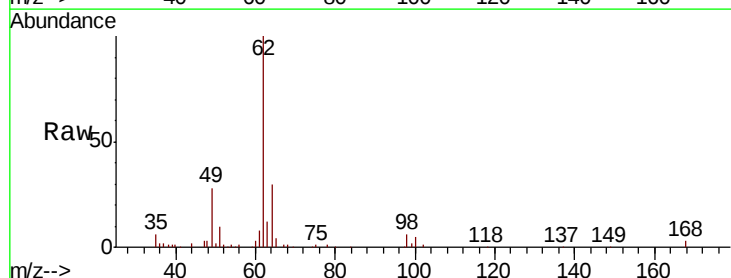


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

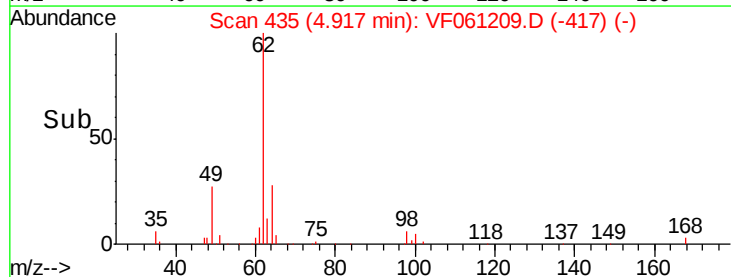
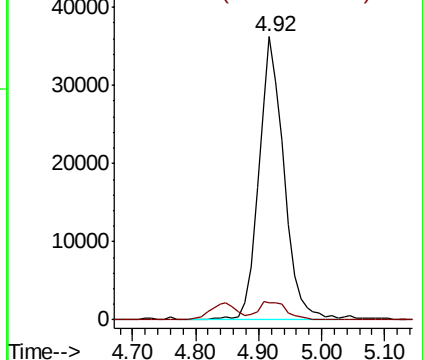


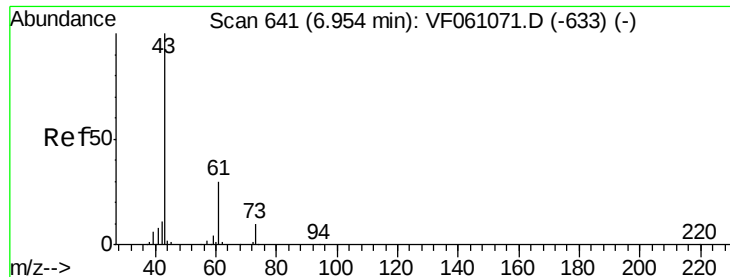
#42
1,2-Dichloroethane
Concen: 54.676 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion:	62	Resp:	101021
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	16.6



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



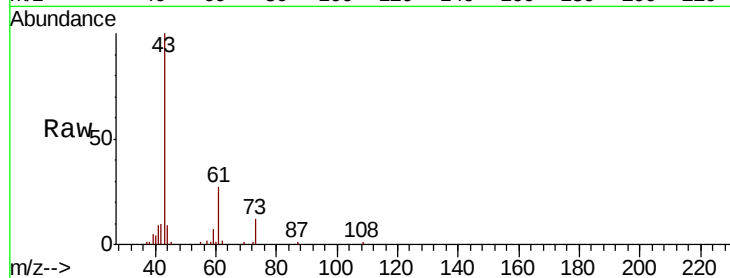


#43

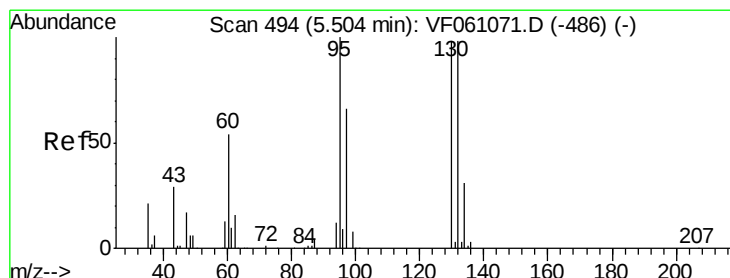
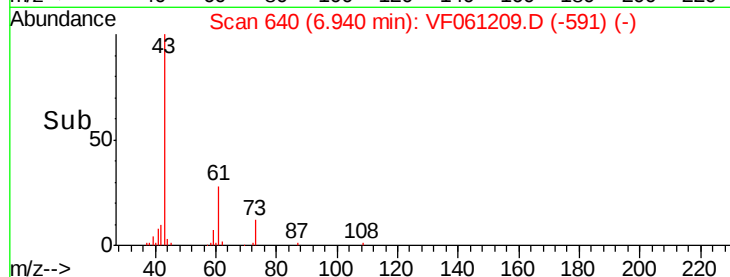
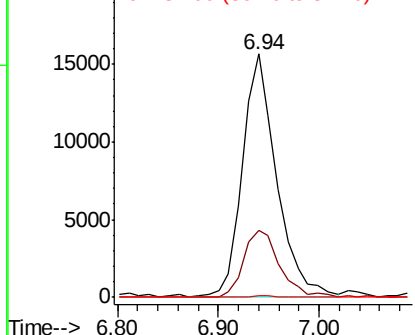
Isopropyl Acetate
 Concen: 33.916 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

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

Tot Ion: 43 Resp: 37038
 Ion Ratio Lower Upper
 43 100
 61 27.5 23.8 35.8
 87 0.8 0.0 0.0#



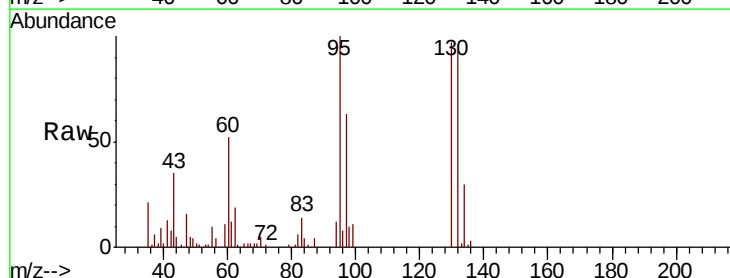
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



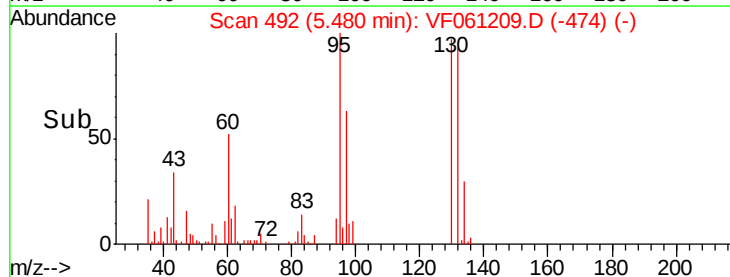
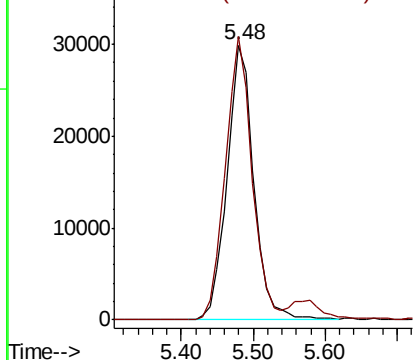
#44

Trichloroethene
 Concen: 50.436 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

Tgt Ion: 130 Resp: 77339
 Ion Ratio Lower Upper
 130 100
 95 103.0 0.0 205.2



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





#45

1,2-Dichloropropane

Concen: 54.710 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

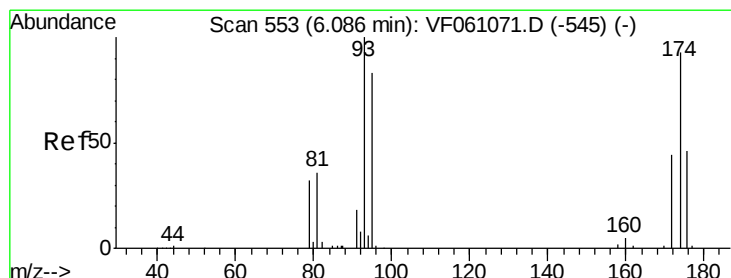
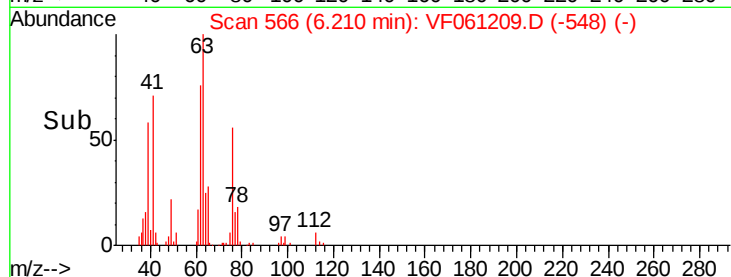
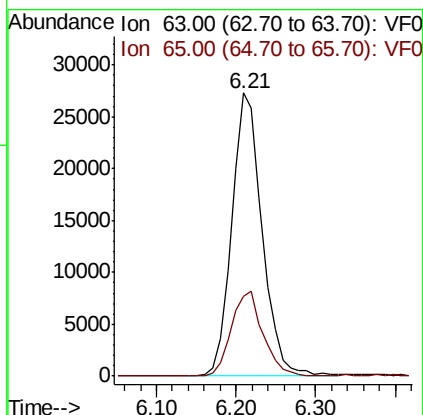
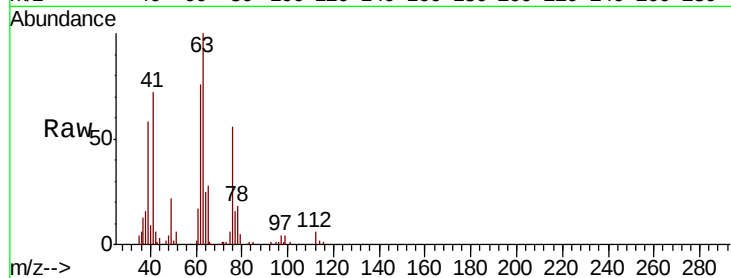
P001-SS001-0612-01MS

Tot Ion: 63 Resp: 72395

Ion Ratio Lower Upper

63 100

65 28.1 24.4 36.6



#46

Dibromomethane

Concen: 55.853 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

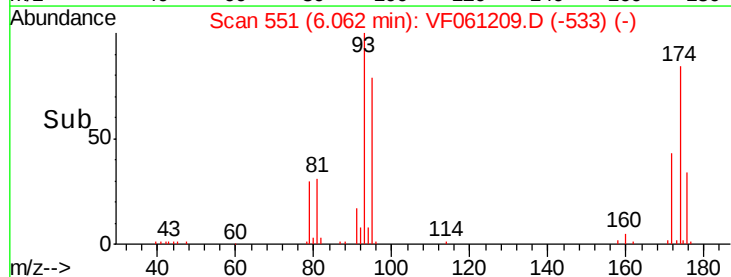
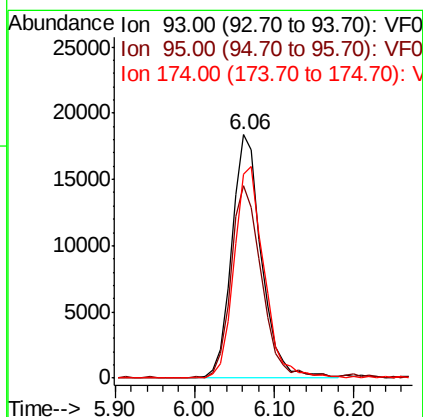
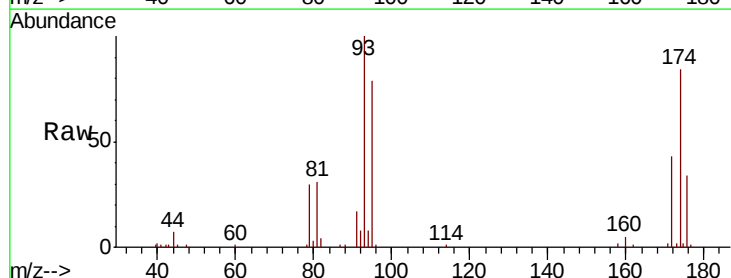
Tgt Ion: 93 Resp: 47936

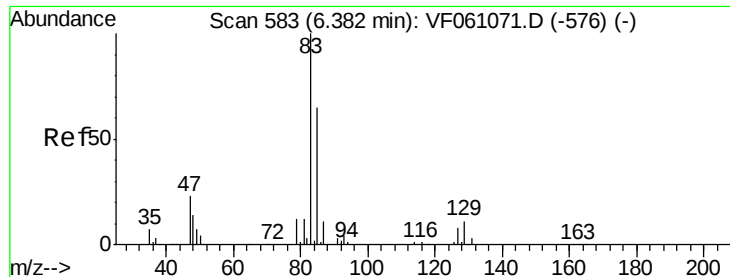
Ion Ratio Lower Upper

93 100

95 79.2 66.9 100.3

174 85.8 74.1 111.1





#47

Bromodichloromethane

Concen: 53.107 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

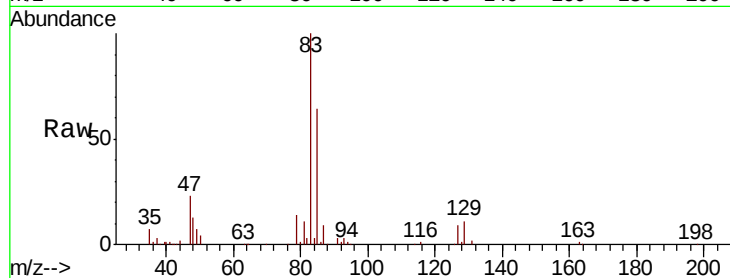
Tot Ion: 83 Resp: 118425

Ion Ratio Lower Upper

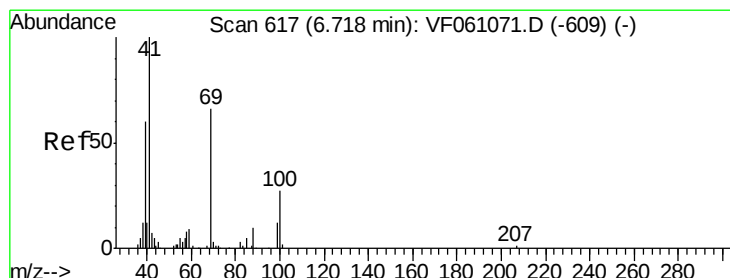
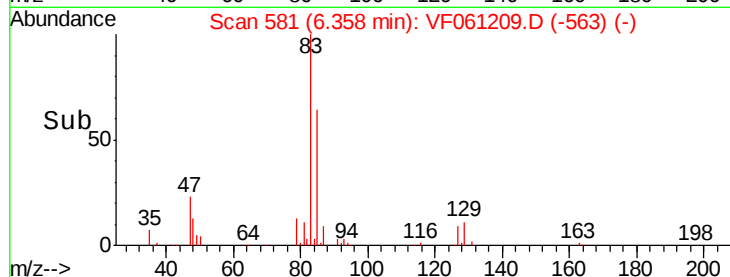
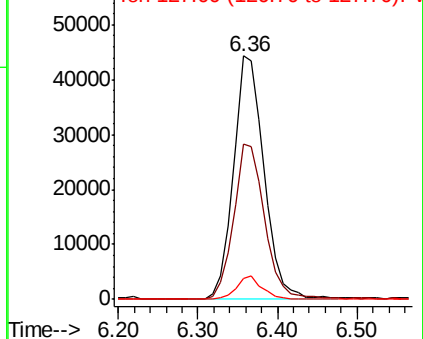
83 100

85 63.7 52.2 78.4

127 8.8 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: 70.483 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

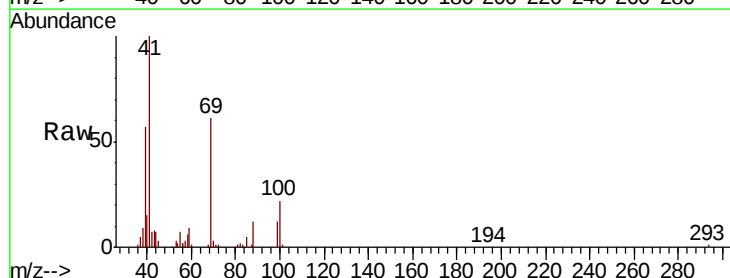
Tgt Ion: 41 Resp: 53734

Ion Ratio Lower Upper

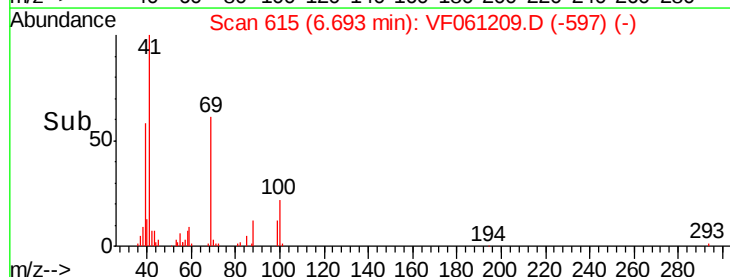
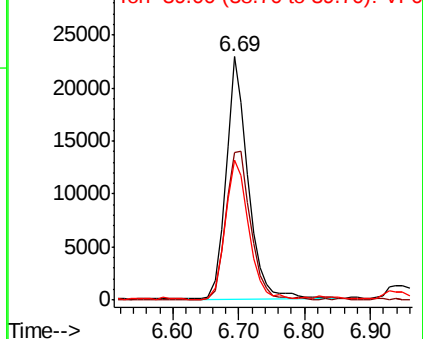
41 100

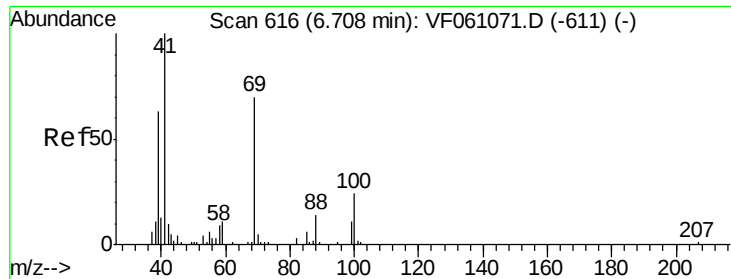
69 60.8 52.7 79.1

39 57.5 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

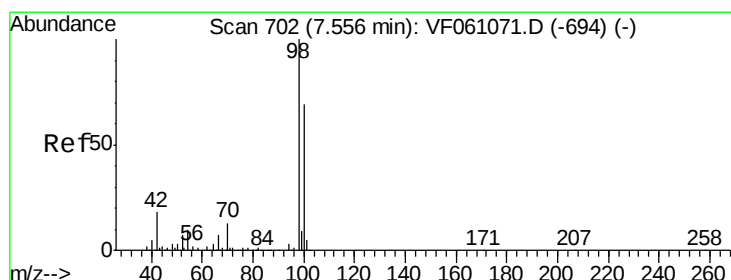
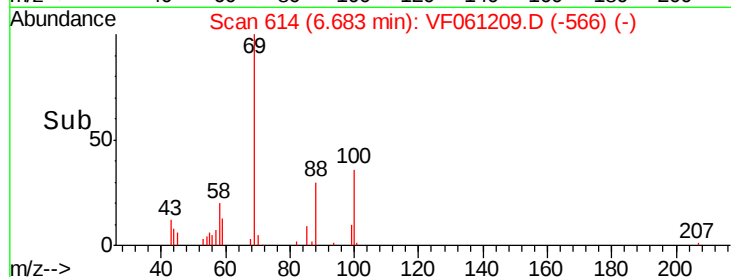
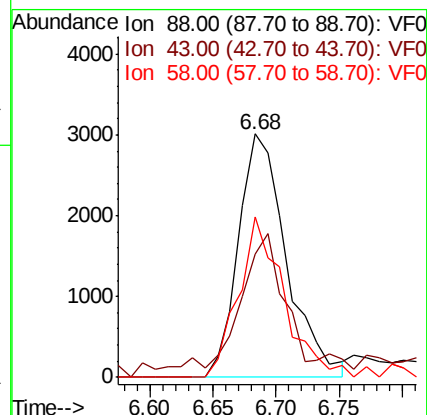
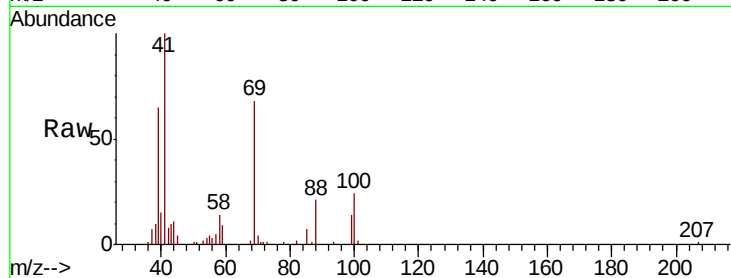




#49
 1,4-Dioxane
 Concen: 1444.586 ug/l
 RT: 6.68 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

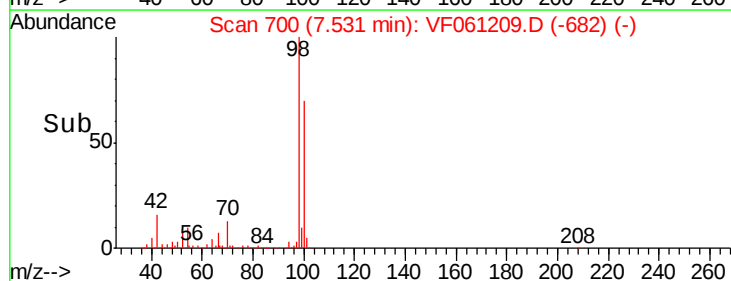
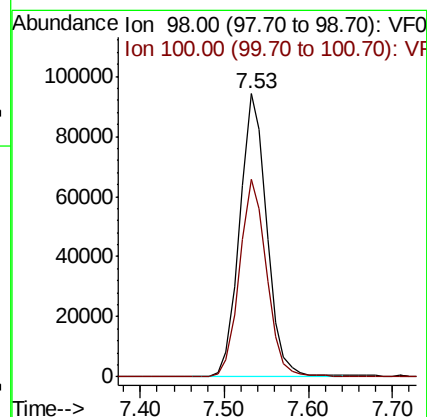
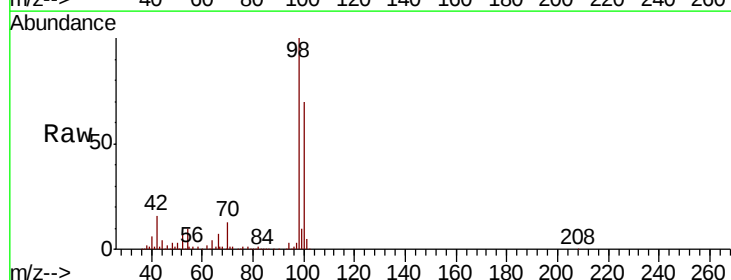
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Tot Ion: 88 Resp: 7991
 Ion Ratio Lower Upper
 88 100
 43 50.8 33.3 49.9#
 58 66.1 53.2 79.8



#50
 Toluene-d8
 Concen: 50.028 ug/l
 RT: 7.53 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

Tgt Ion: 98 Resp: 212789
 Ion Ratio Lower Upper
 98 100
 100 69.9 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 313.416 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

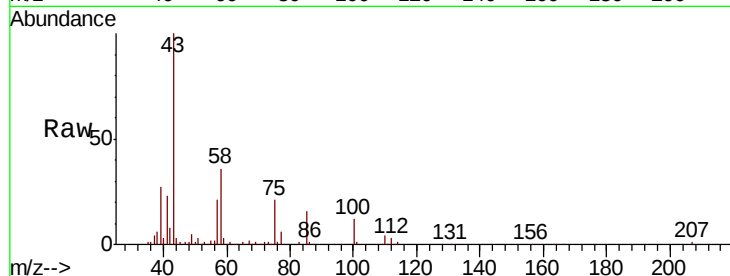
P001-SS001-0612-01MS

Tot Ion: 43 Resp: 234732

Ion Ratio Lower Upper

43 100

58 36.3 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

100000

80000

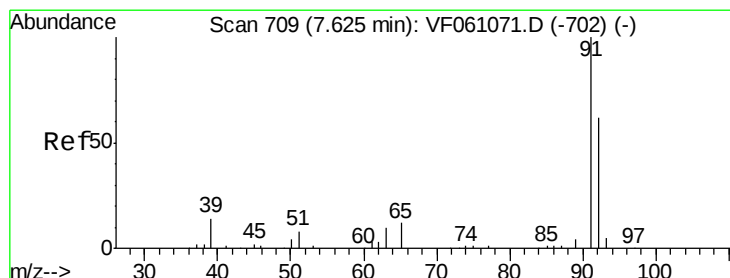
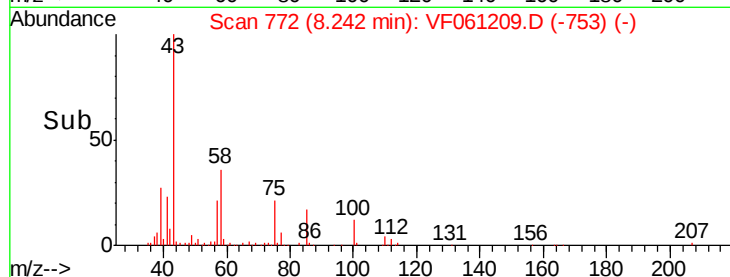
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 47.349 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061209.D

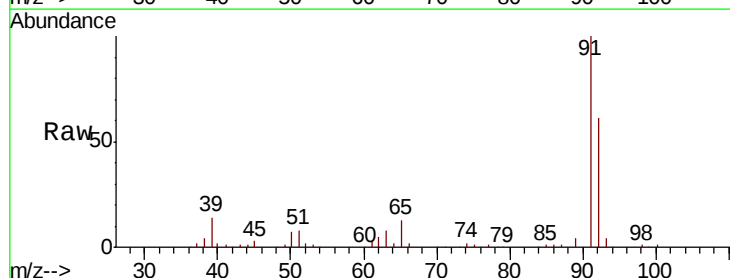
Acq: 27 Dec 2018 15:43

Tgt Ion: 92 Resp: 152441

Ion Ratio Lower Upper

92 100

91 164.9 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.60

120000

100000

80000

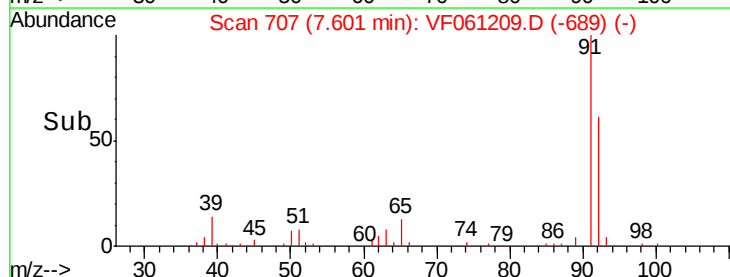
60000

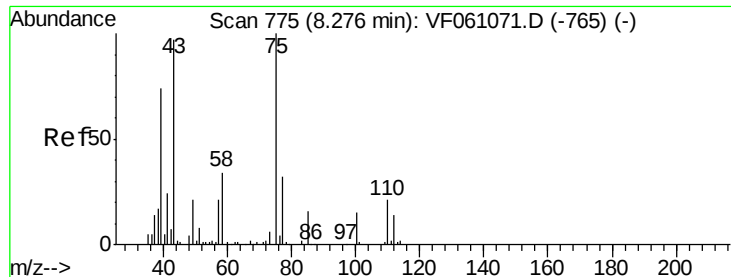
40000

20000

0

Time--> 7.50 7.60 7.70





#53

t-1,3-Dichloropropene

Concen: 52.704 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

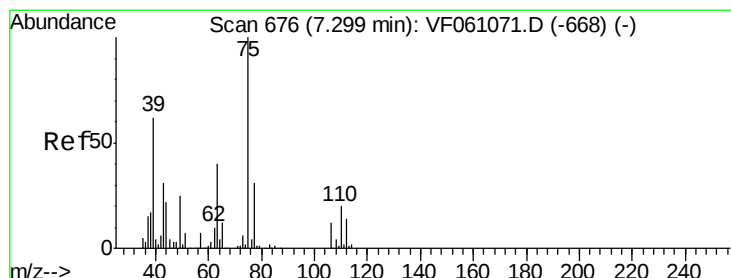
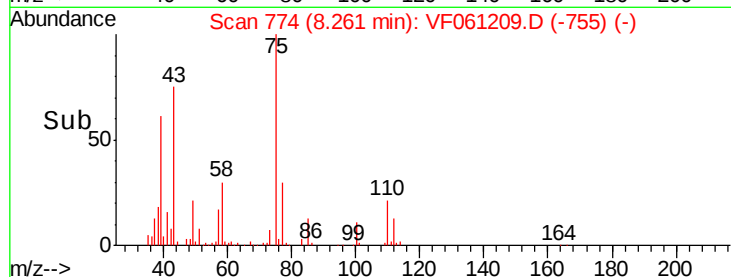
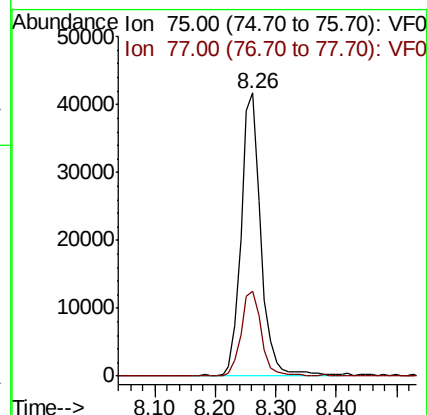
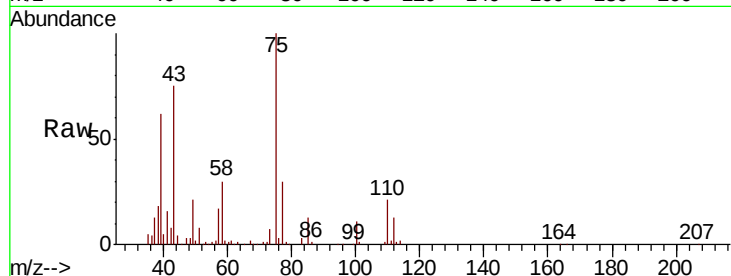
P001-SS001-0612-01MS

Tot Ion: 75 Resp: 94810

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 53.519 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

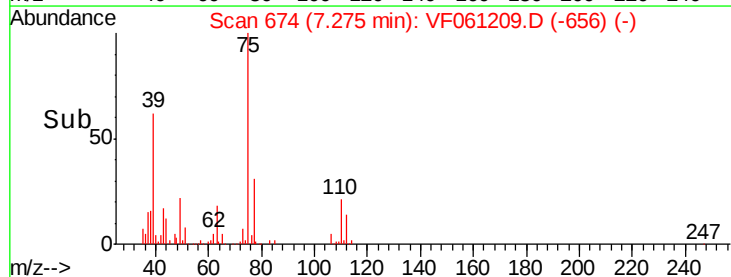
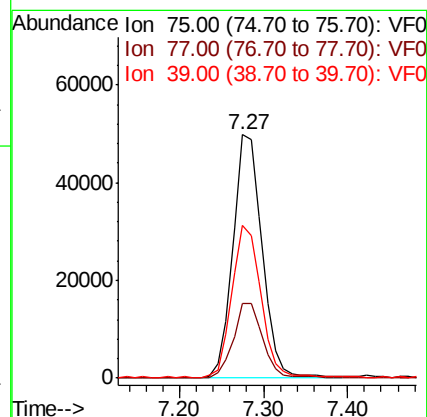
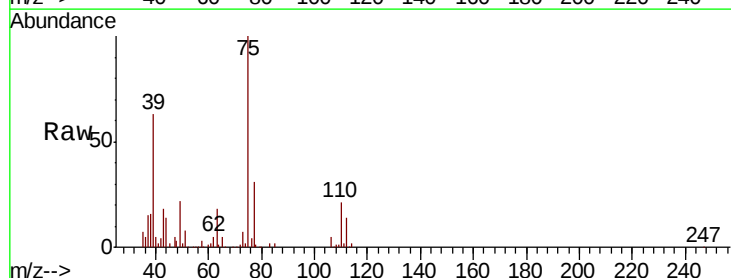
Tgt Ion: 75 Resp: 120833

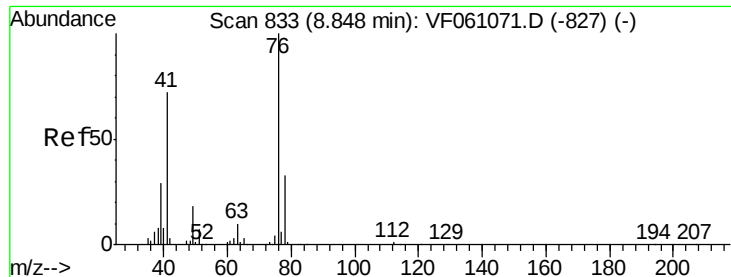
Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4

39 62.7 50.1 75.1





#57

1,3-Dichloropropane

Concen: 56.124 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

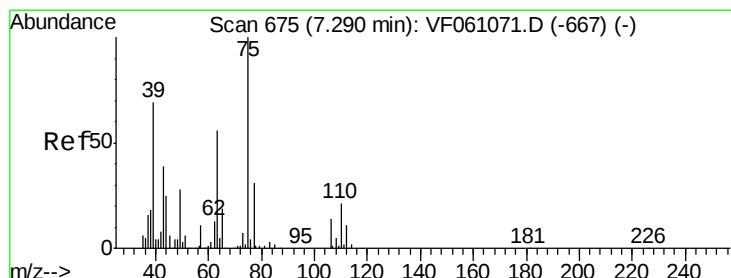
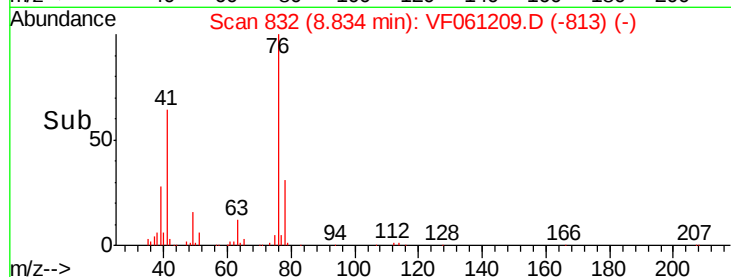
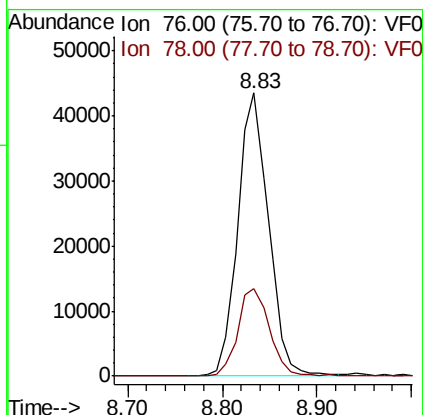
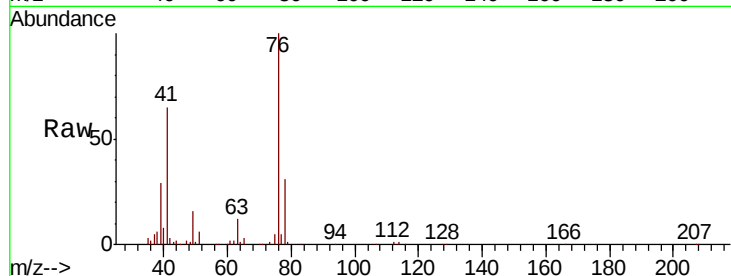
P001-SS001-0612-01MS

Tot Ion: 76 Resp: 97972

Ion Ratio Lower Upper

76 100

78 30.8 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 103.080 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061209.D

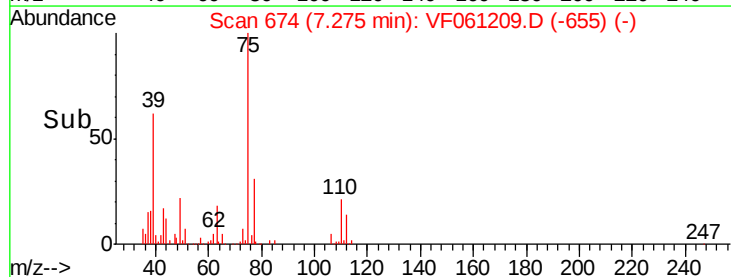
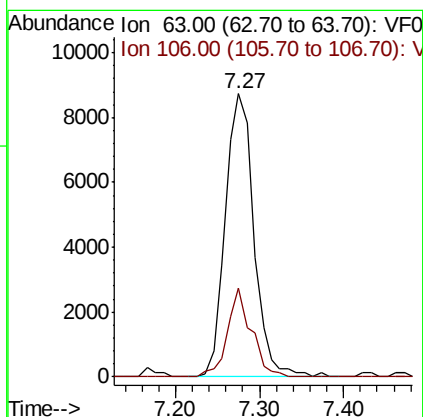
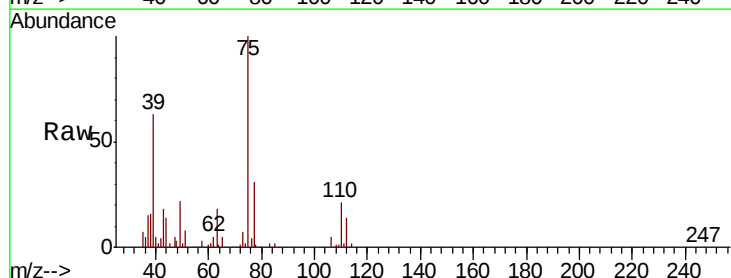
Acq: 27 Dec 2018 15:43

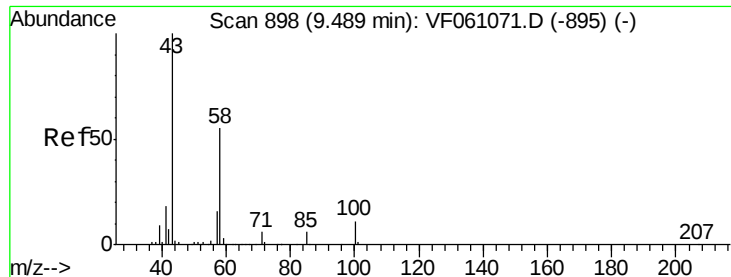
Tgt Ion: 63 Resp: 20676

Ion Ratio Lower Upper

63 100

106 31.2 19.8 29.8#

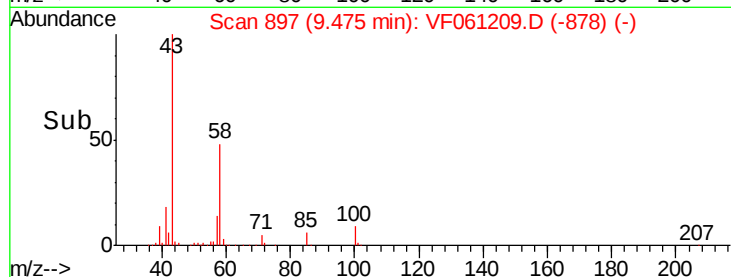
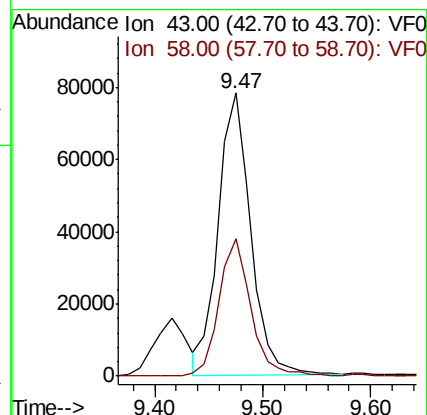
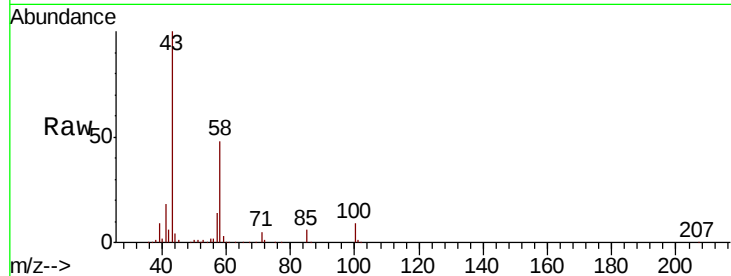




#59
2-Hexanone
Concen: 300.487 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

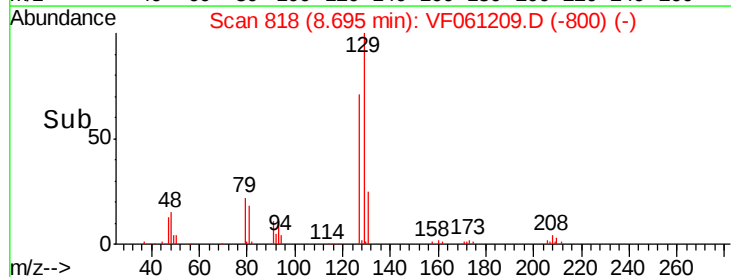
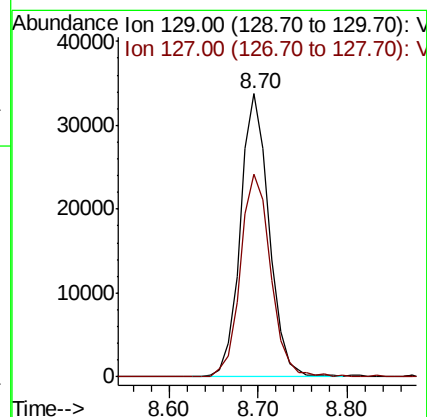
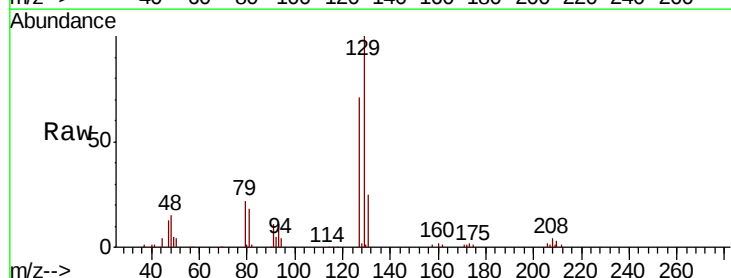
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

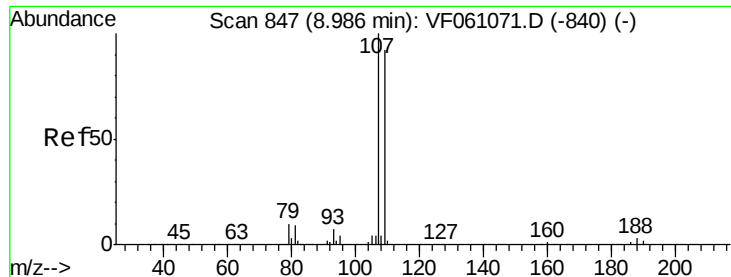
Tot Ion: 43 Resp: 162750
Ion Ratio Lower Upper
43 100
58 48.4 25.1 75.2



#60
Dibromochloromethane
Concen: 54.828 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion:129 Resp: 75856
Ion Ratio Lower Upper
129 100
127 71.4 36.8 110.3





#61

1,2-Dibromoethane

Concen: 55.834 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

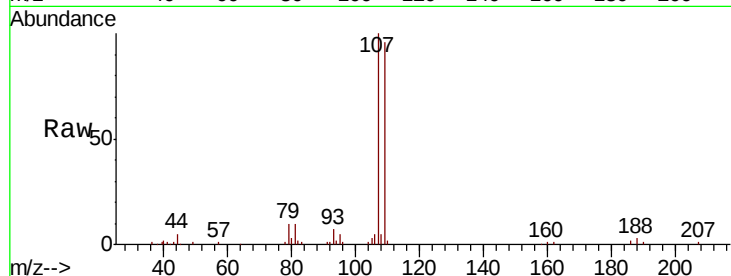
P001-SS001-0612-01MS

Tot Ion:107 Resp: 57553

Ion Ratio Lower Upper

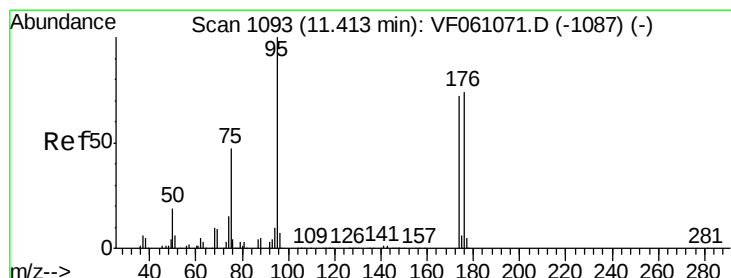
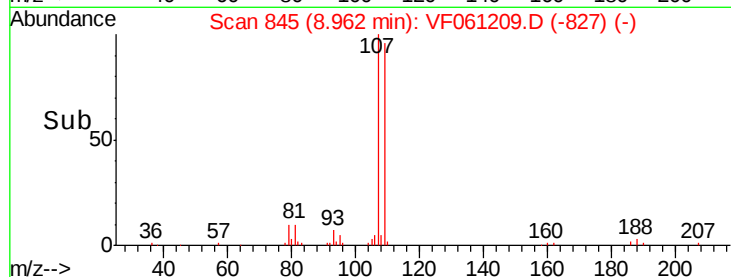
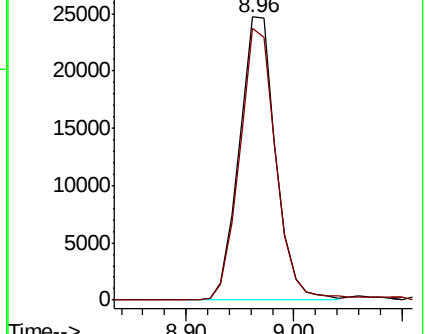
107 100

109 96.2 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.381 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

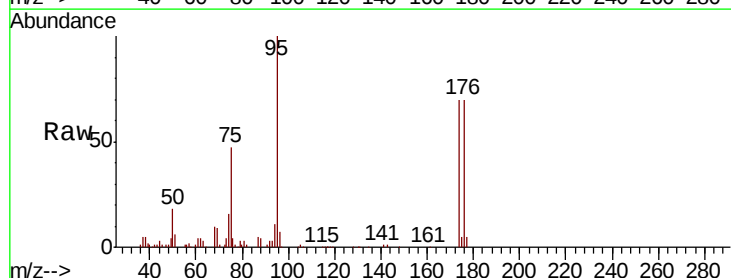
Tgt Ion: 95 Resp: 85065

Ion Ratio Lower Upper

95 100

174 69.9 0.0 143.8

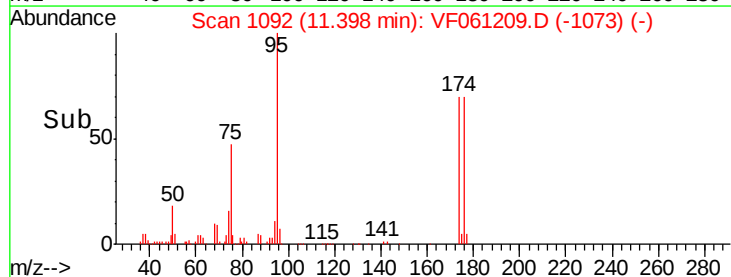
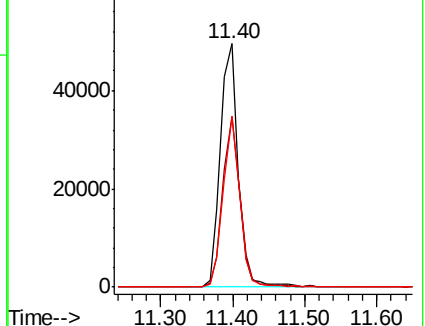
176 69.8 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

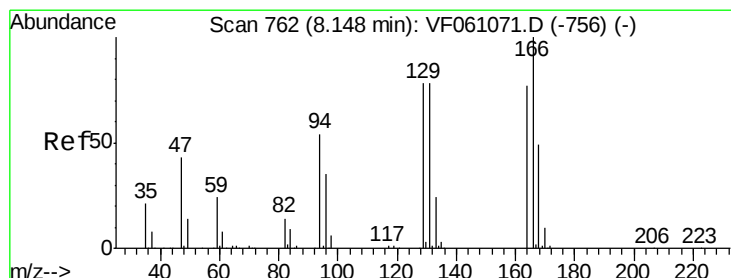
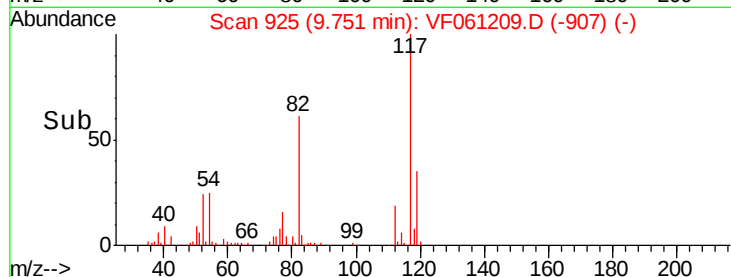
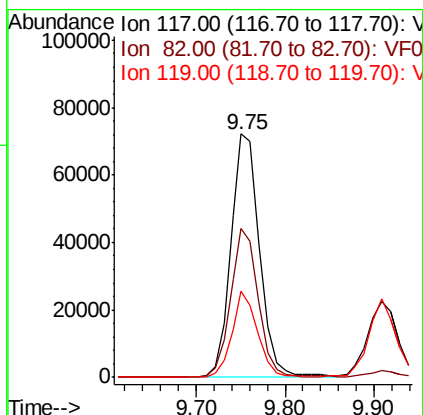
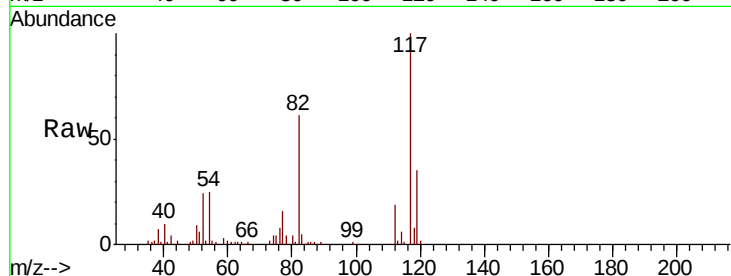




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

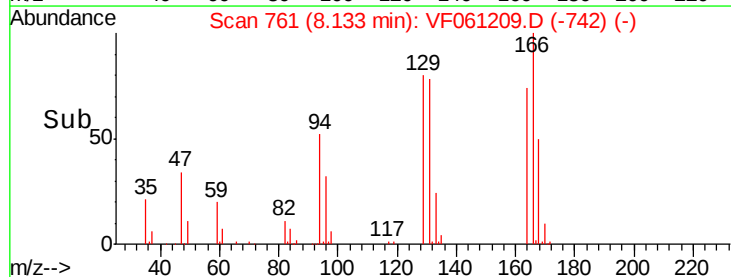
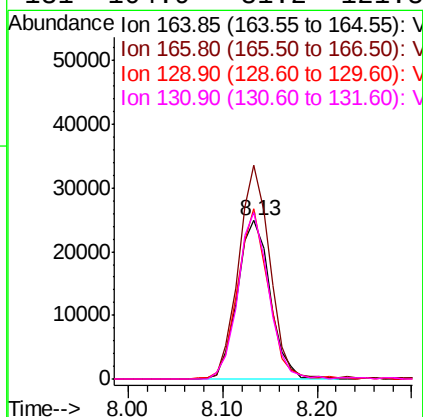
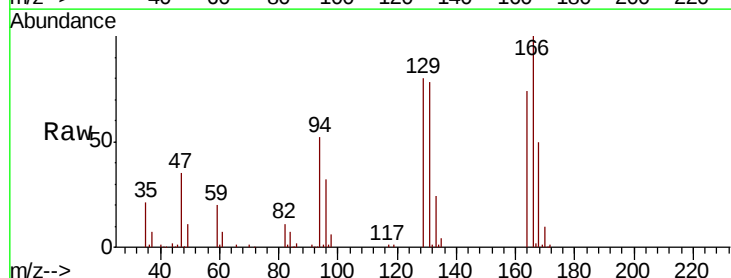
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	45.0	67.4
119	35.2	24.8	37.2



#64
Tetrachloroethene
Concen: 47.741 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.7	104.0	156.0
129	107.1	81.1	121.7
131	104.9	81.2	121.8

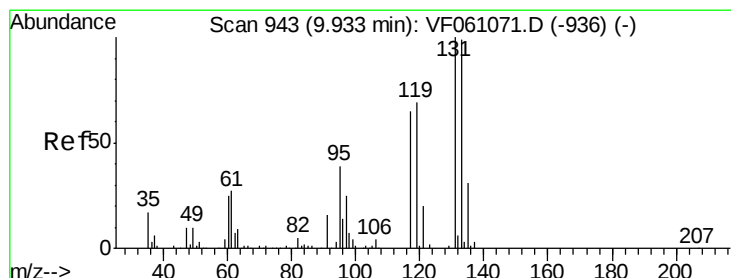
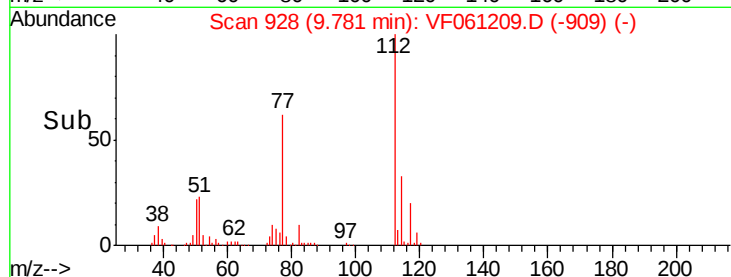
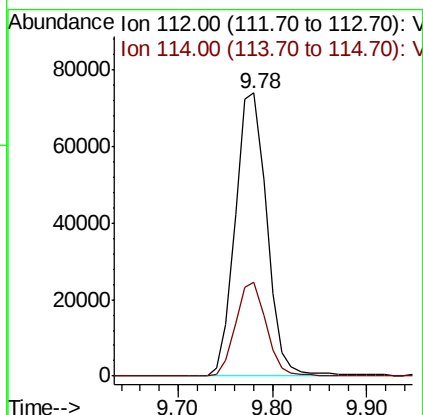
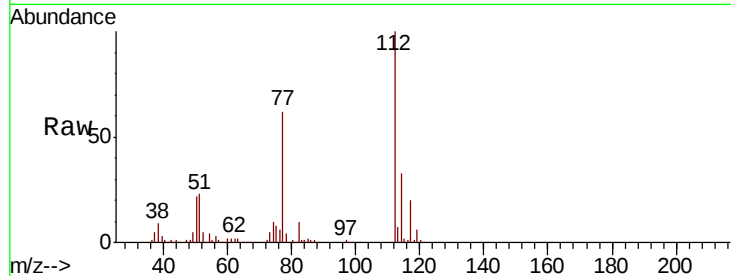




#65
Chlorobenzene
Concen: 51.015 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

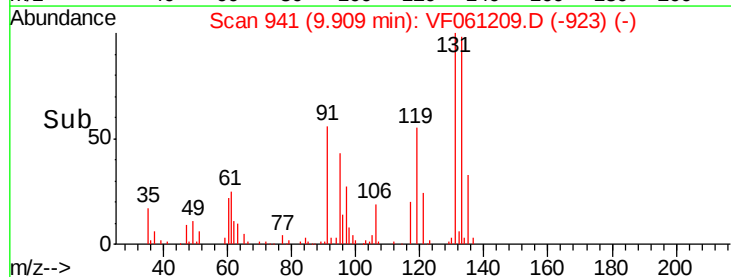
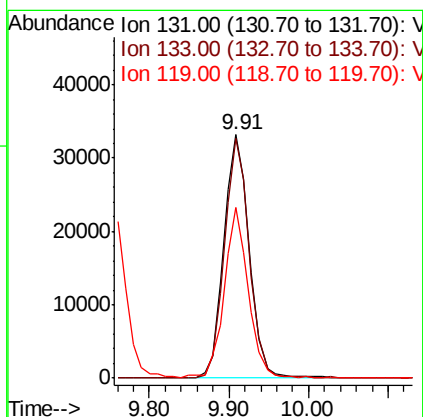
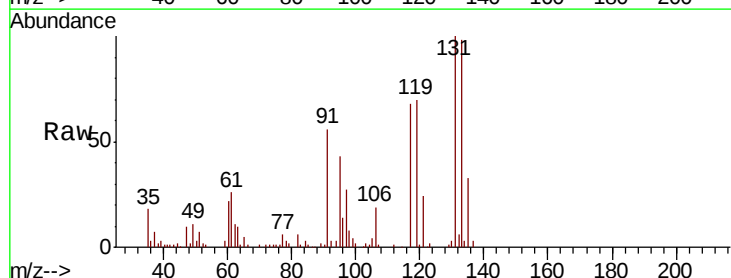
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

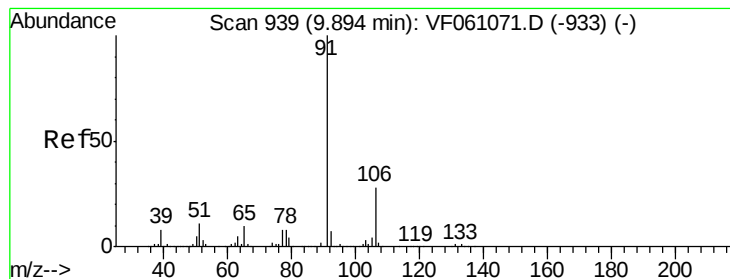
Tot Ion:112 Resp: 171776
Ion Ratio Lower Upper
112 100
114 33.2 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.016 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion:131 Resp: 74326
Ion Ratio Lower Upper
131 100
133 98.3 49.5 148.7
119 70.3 34.5 103.5





#67

Ethyl Benzene

Concen: 51.798 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

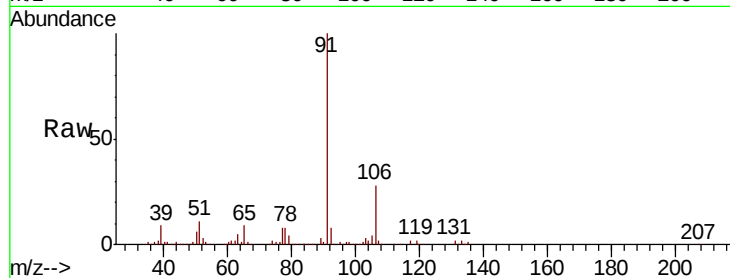
P001-SS001-0612-01MS

Tot Ion: 91 Resp: 317744

Ion Ratio Lower Upper

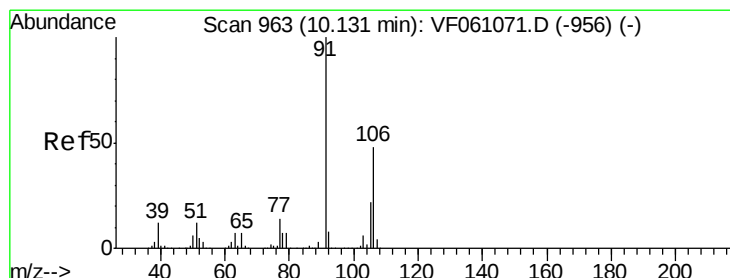
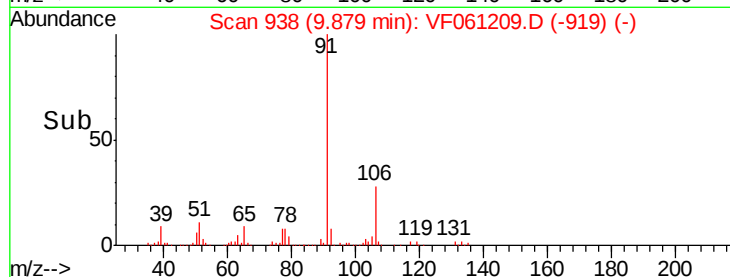
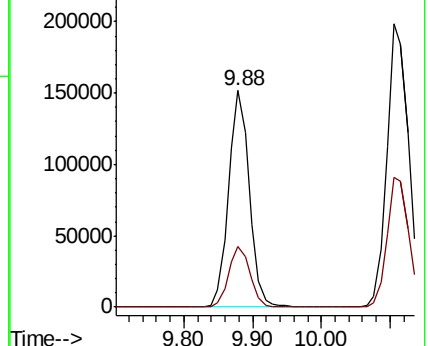
91 100

106 28.3 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.458 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF061209.D

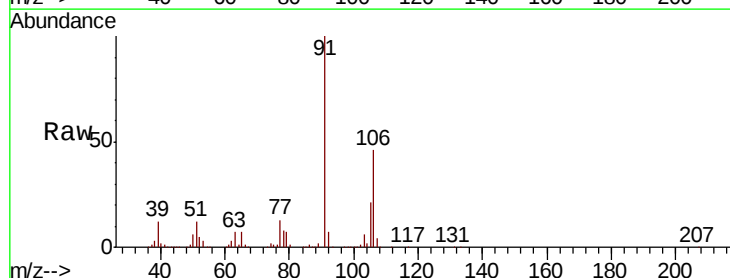
Acq: 27 Dec 2018 15:43

Tgt Ion: 106 Resp: 201757

Ion Ratio Lower Upper

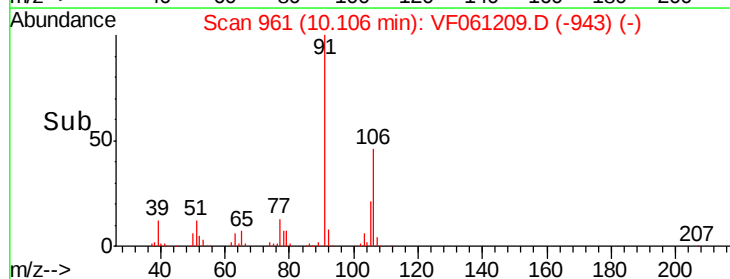
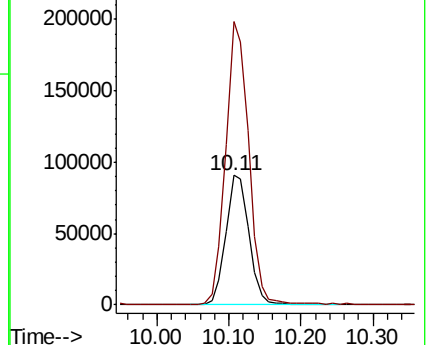
106 100

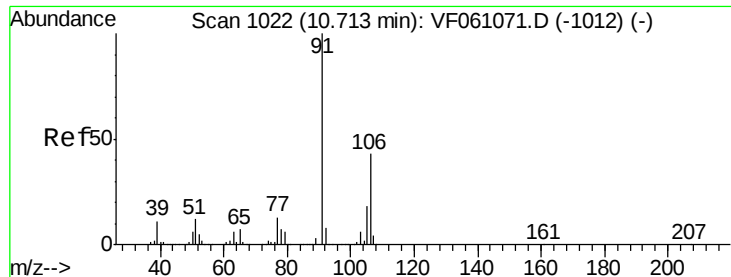
91 218.9 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

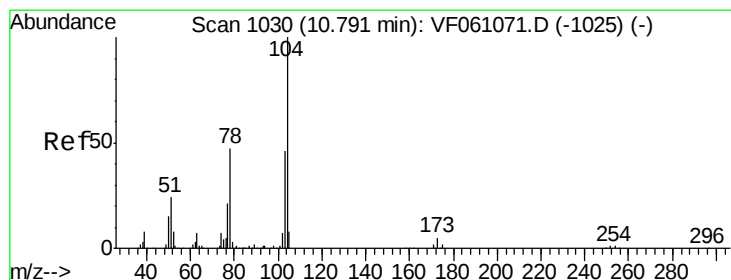
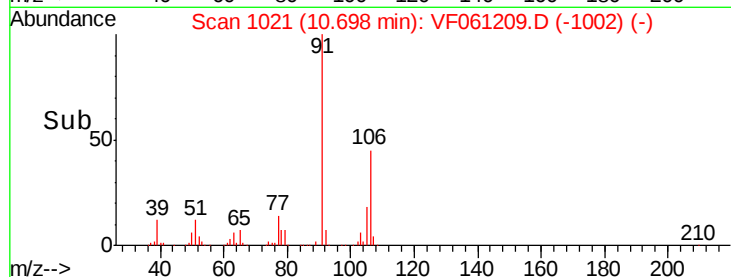
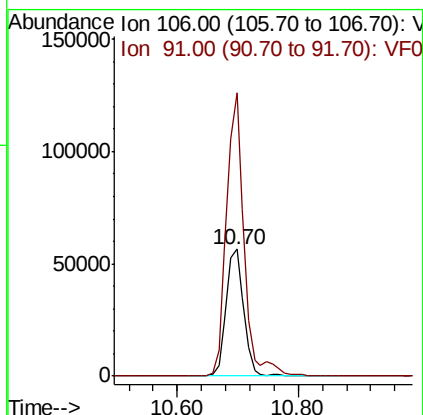
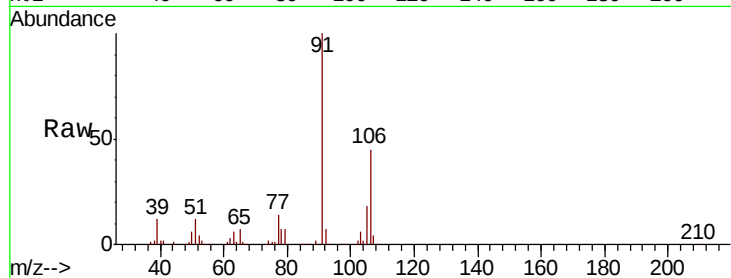




#69
o-Xylene
Concen: 47.973 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

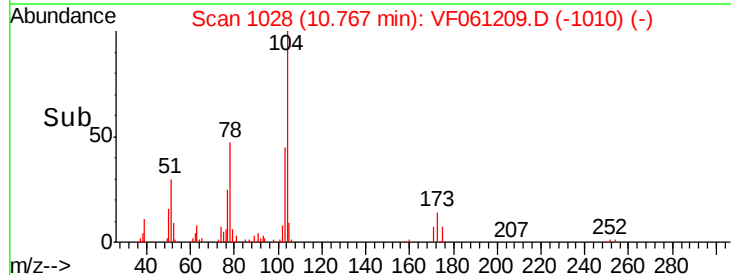
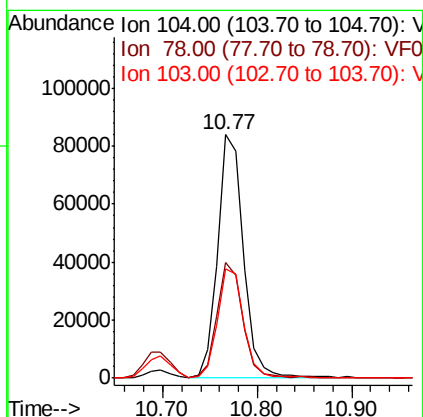
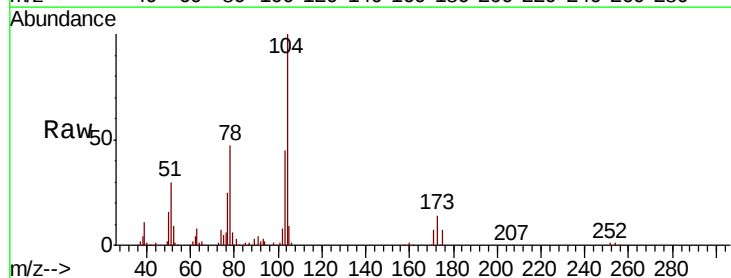
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

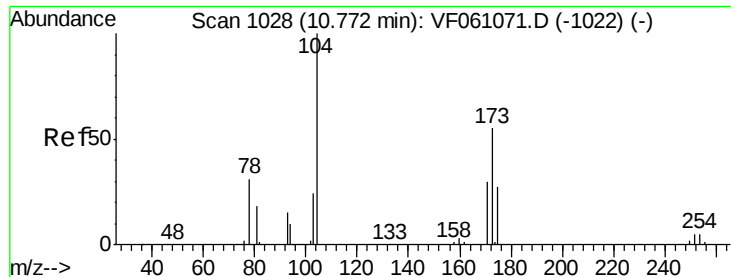
Tot Ion:106 Resp: 114861
Ion Ratio Lower Upper
106 100
91 223.2 115.9 347.7



#70
Styrene
Concen: 54.555 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion:104 Resp: 157868
Ion Ratio Lower Upper
104 100
78 47.3 38.4 57.6
103 44.9 37.0 55.6





#71

Bromoform

Concen: 57.326 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

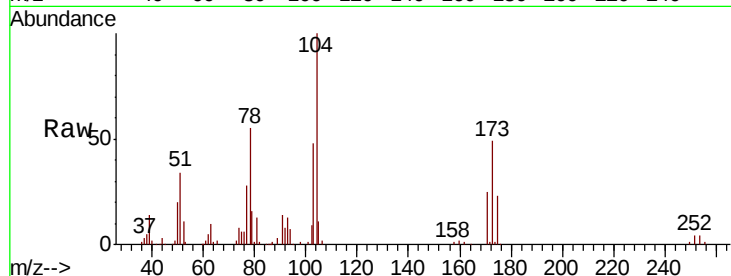
Tot Ion:173 Resp: 36494

Ion Ratio Lower Upper

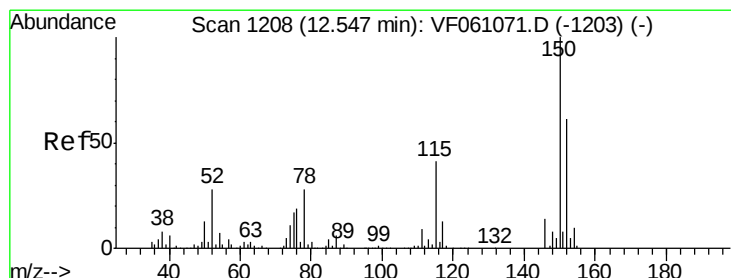
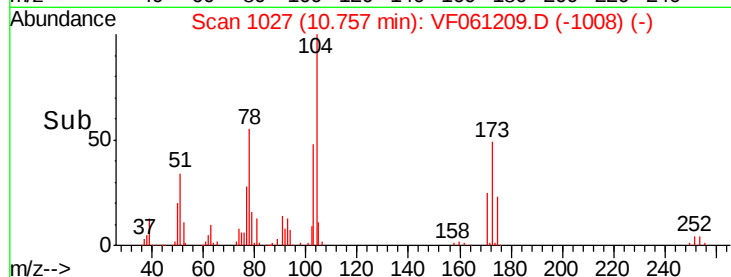
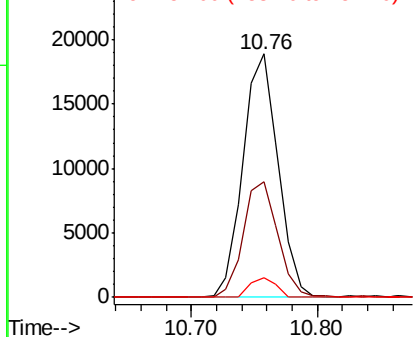
173 100

175 47.6 24.8 74.4

254 8.1 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: VF061209.D

Acq: 27 Dec 2018 15:43

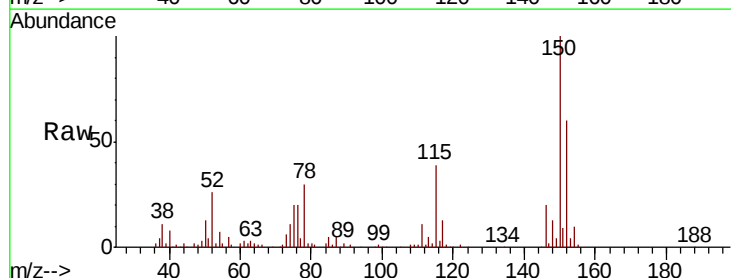
Tgt Ion:152 Resp: 62801

Ion Ratio Lower Upper

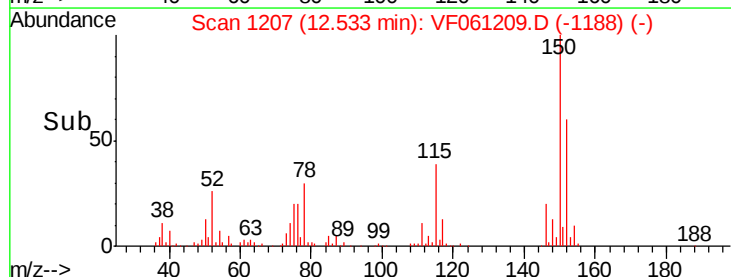
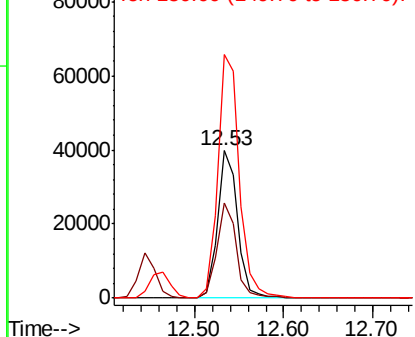
152 100

115 64.5 33.3 99.9

150 165.3 0.0 328.2



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





#73

Isopropylbenzene

Concen: 55.693 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

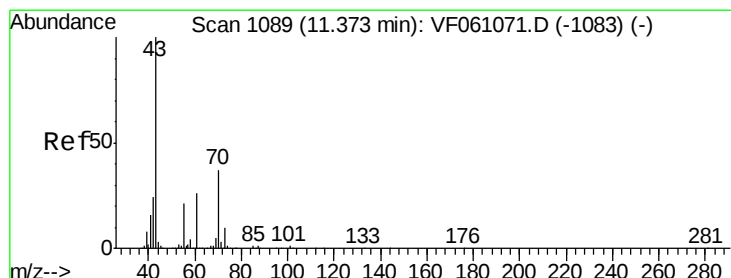
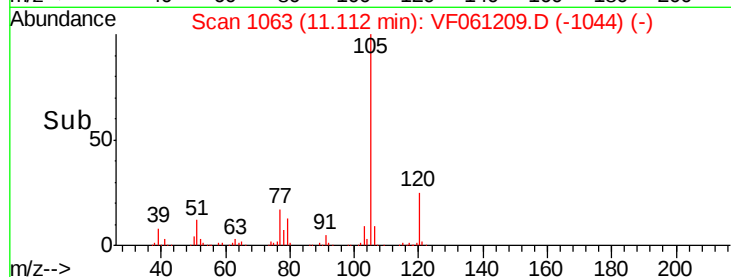
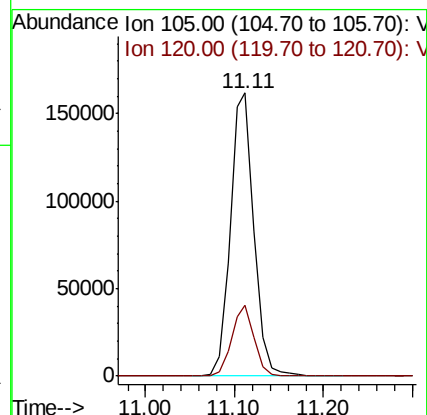
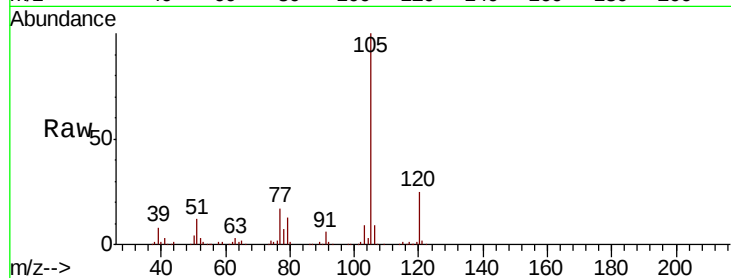
P001-SS001-0612-01MS

Tot Ion:105 Resp: 301402

Ion Ratio Lower Upper

105 100

120 25.2 13.0 39.0



#74

N-ethyl acetate

Concen: 27.973 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Tgt Ion: 43 Resp: 33610

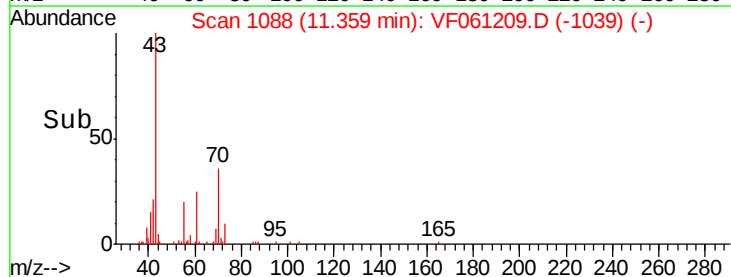
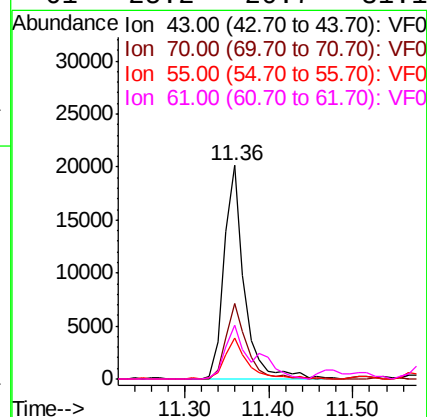
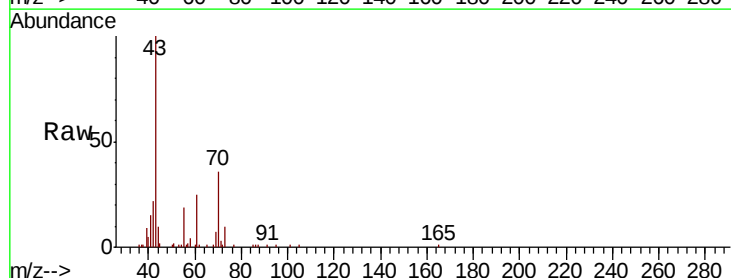
Ion Ratio Lower Upper

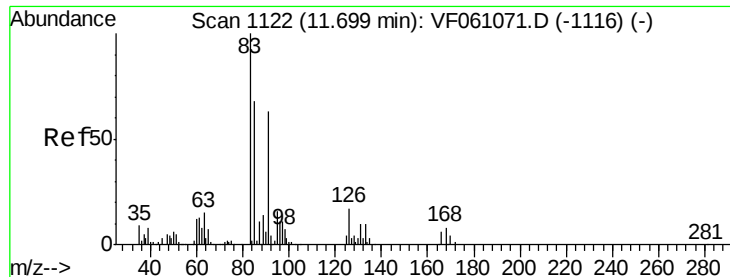
43 100

70 35.5 29.2 43.8

55 19.5 16.5 24.7

61 25.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 83.976 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

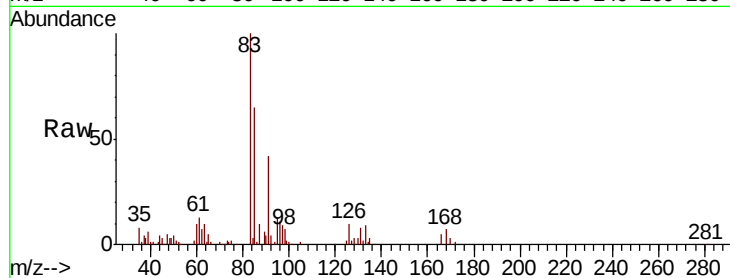
Tot Ion: 83 Resp: 75427

Ion Ratio Lower Upper

83 100

131 7.7 4.8 14.3

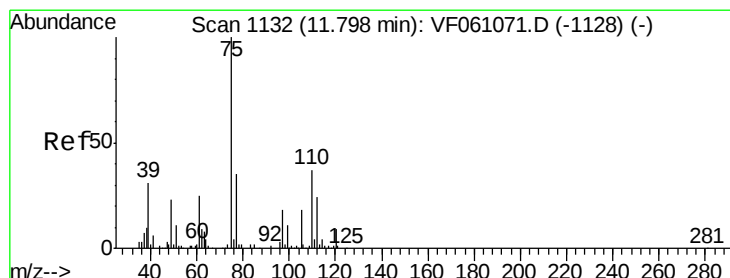
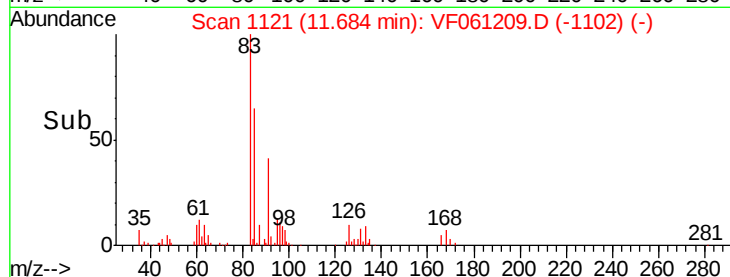
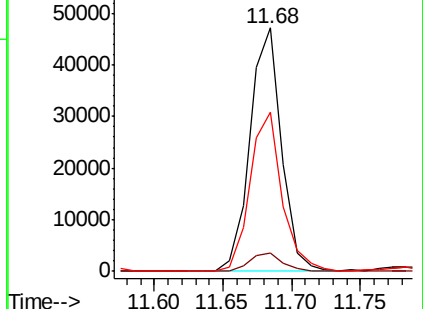
85 65.4 33.9 101.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 80.370 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061209.D

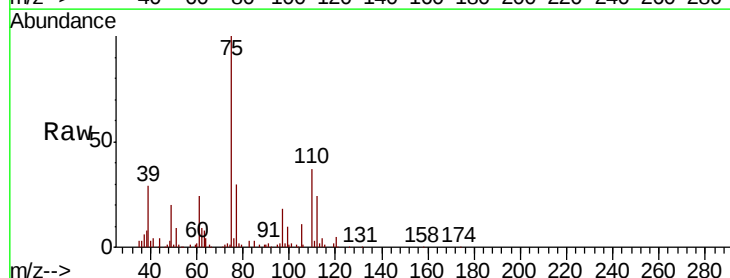
Acq: 27 Dec 2018 15:43

Tgt Ion: 75 Resp: 53722

Ion Ratio Lower Upper

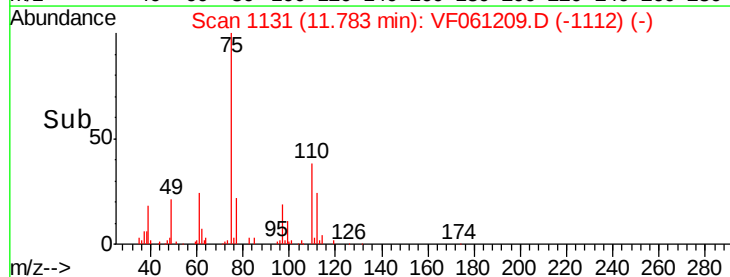
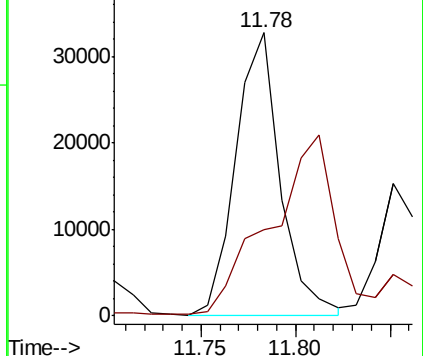
75 100

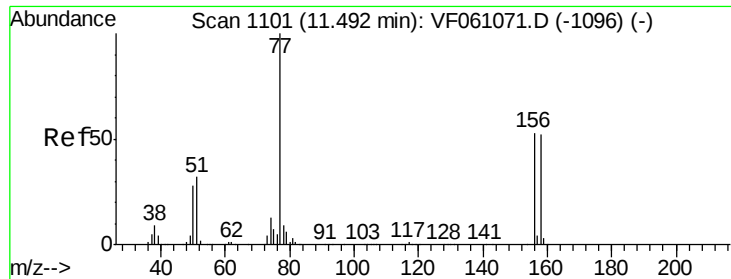
77 30.5 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

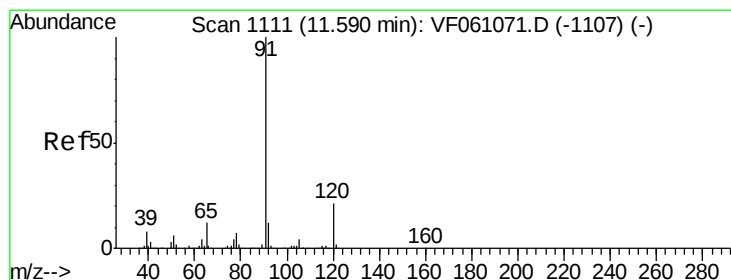
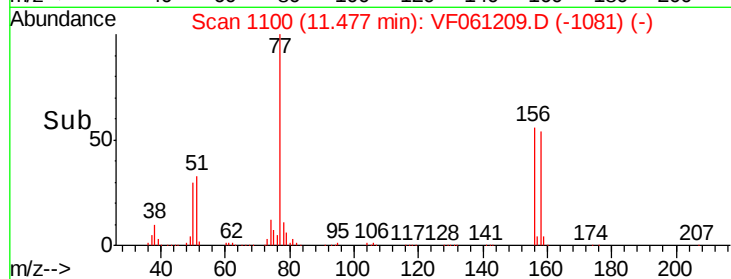
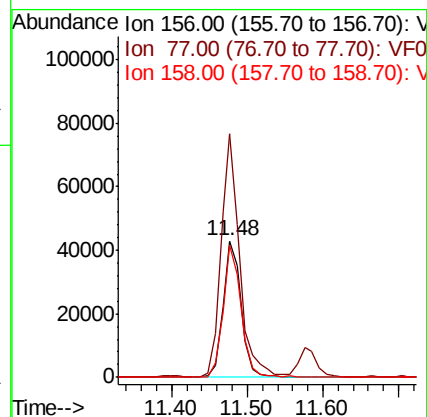
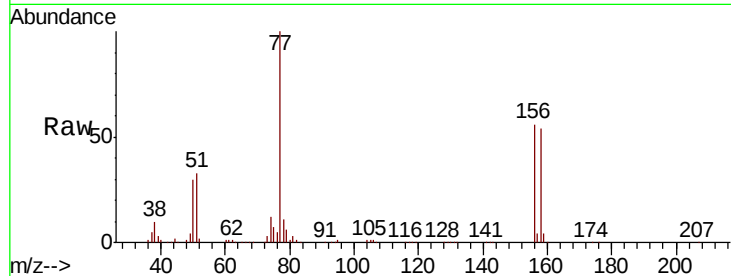




#77
Bromobenzene
Concen: 62.167 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

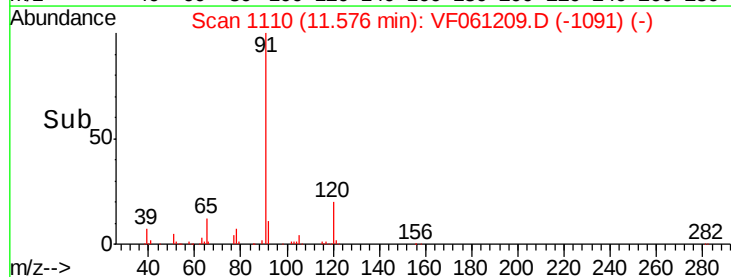
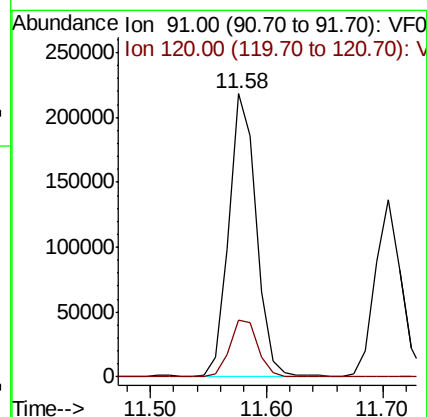
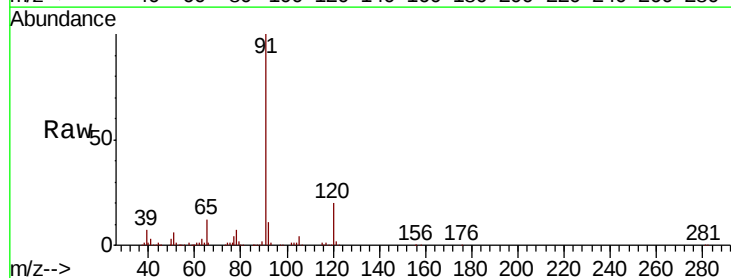
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

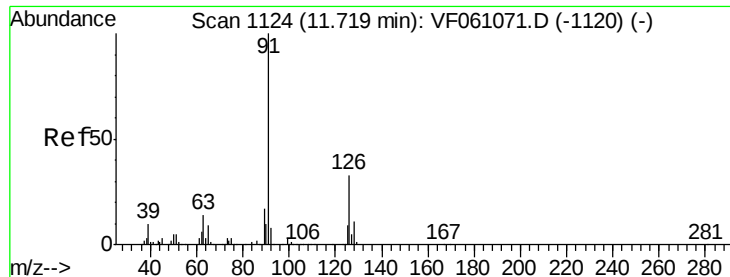
Tot Ion:156 Resp: 72424
Ion Ratio Lower Upper
156 100
77 178.7 93.8 281.4
158 96.7 48.9 146.8



#78
n-propylbenzene
Concen: 59.515 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 91 Resp: 356201
Ion Ratio Lower Upper
91 100
120 19.9 10.4 31.2





#79

2-Chlorotoluene

Concen: 56.732 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

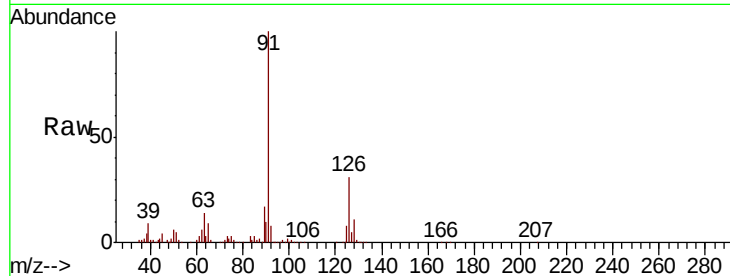
P001-SS001-0612-01MS

Tot Ion: 91 Resp: 210622

Ion Ratio Lower Upper

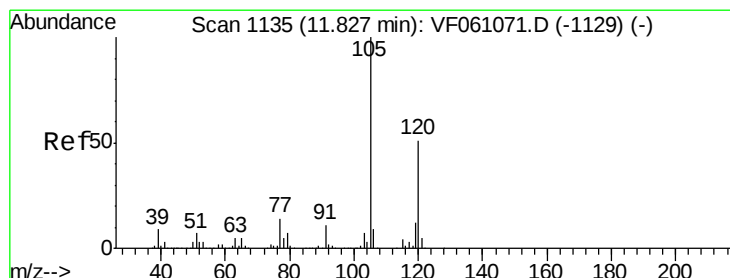
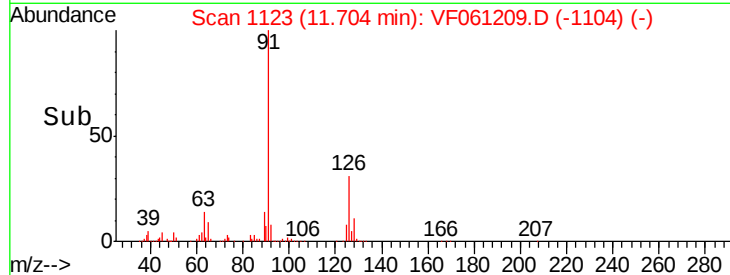
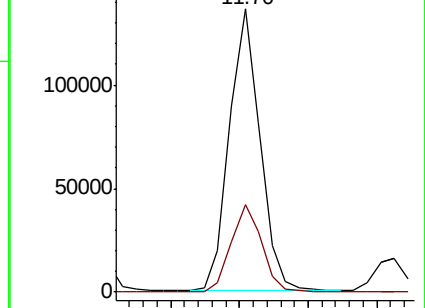
91 100

126 31.0 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: 52.760 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061209.D

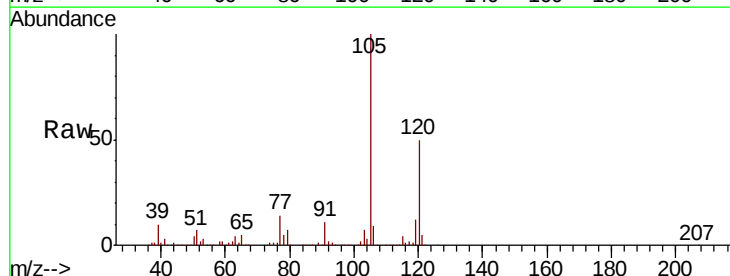
Acq: 27 Dec 2018 15:43

Tgt Ion:105 Resp: 235115

Ion Ratio Lower Upper

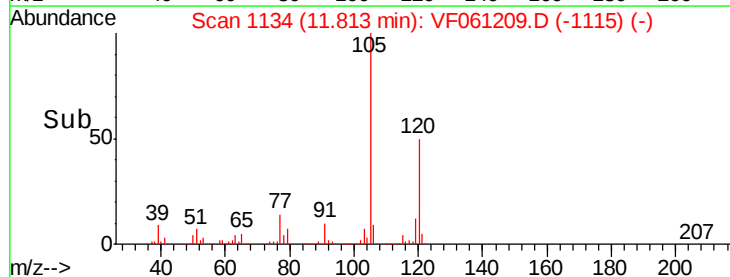
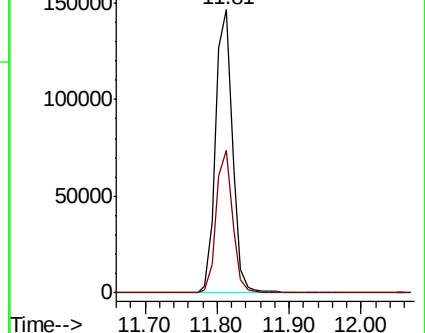
105 100

120 50.4 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: 106.015 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

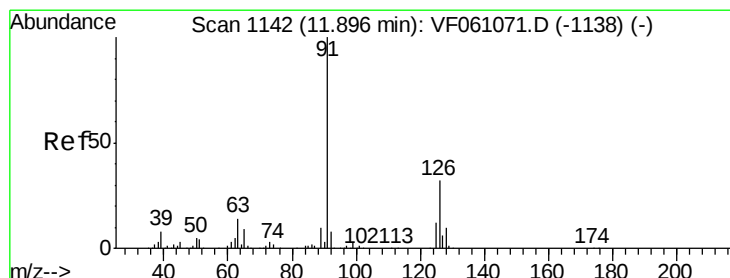
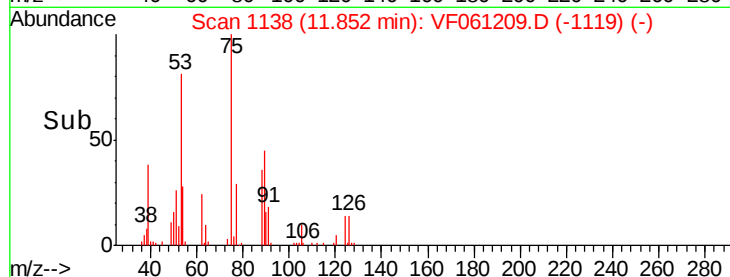
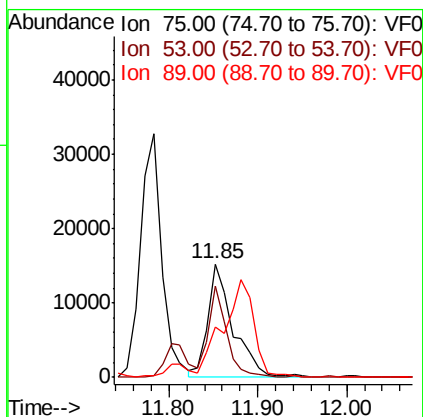
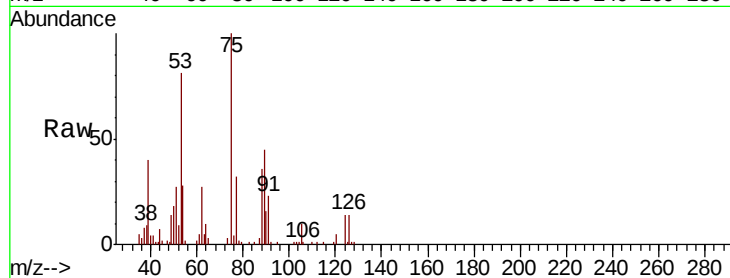
Tot Ion: 75 Resp: 30451

Ion Ratio Lower Upper

75 100

53 80.8 74.1 111.1

89 44.9 42.6 64.0



#82

4-Chlorotoluene

Concen: 55.339 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061209.D

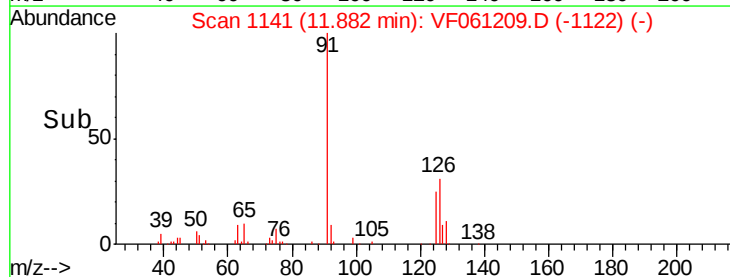
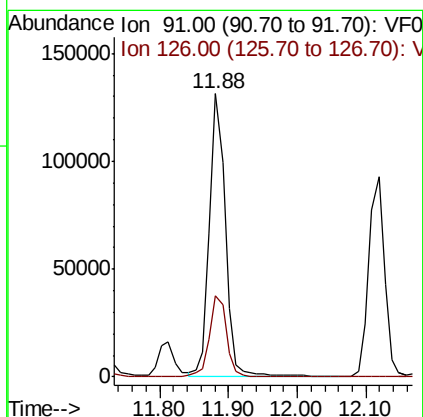
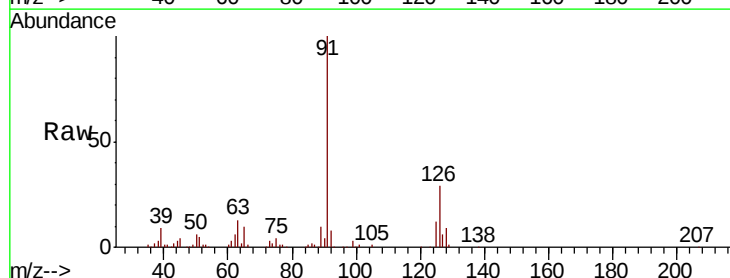
Acq: 27 Dec 2018 15:43

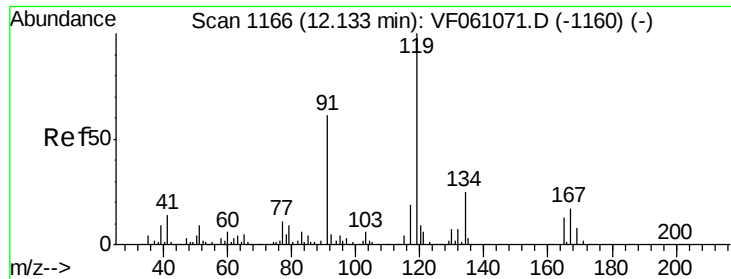
Tgt Ion: 91 Resp: 212531

Ion Ratio Lower Upper

91 100

126 28.5 16.0 47.9

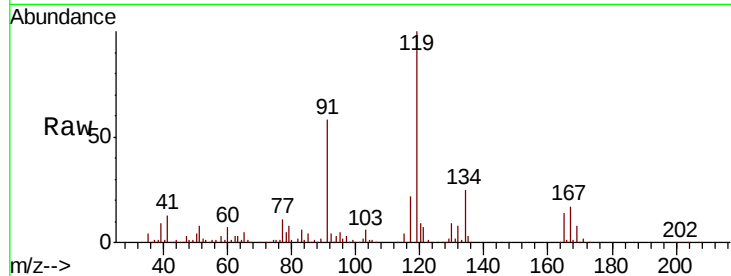




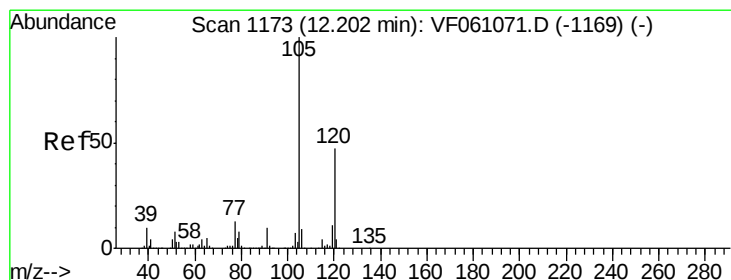
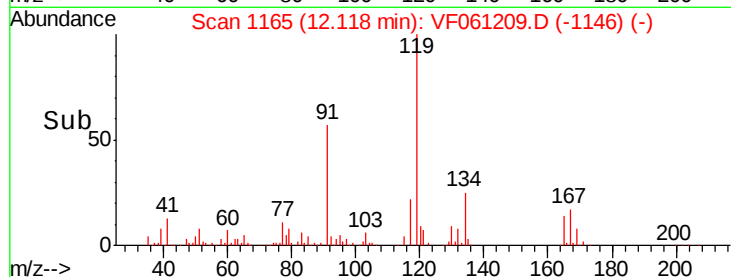
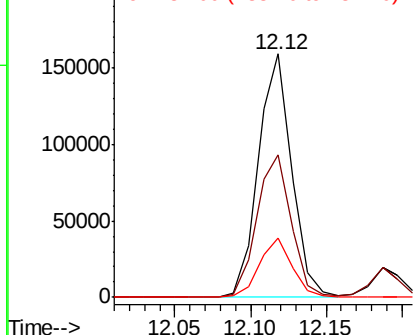
#83
tert-Butylbenzene
Concen: 53.593 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

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

Tot Ion:119 Resp: 245756
Ion Ratio Lower Upper
119 100
91 58.4 30.5 91.5
134 24.6 12.4 37.4

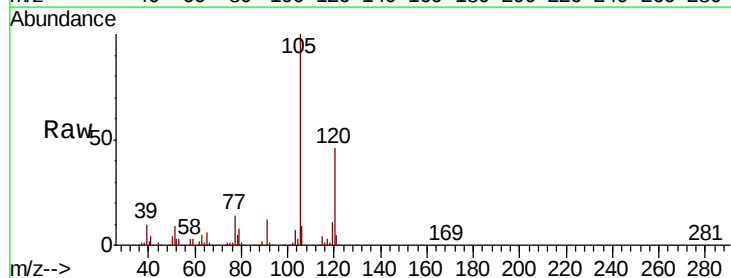


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

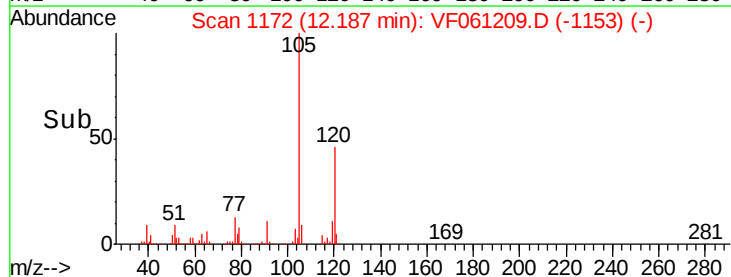
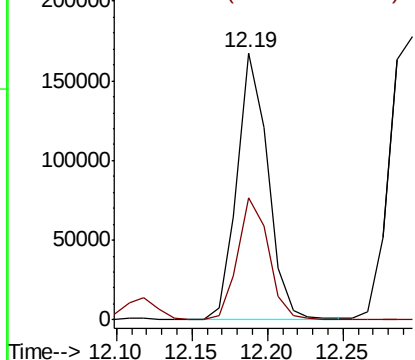


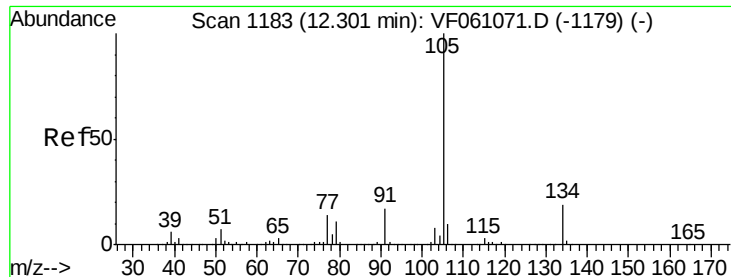
#84
1,2,4-Trimethylbenzene
Concen: 53.639 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion:105 Resp: 238364
Ion Ratio Lower Upper
105 100
120 45.7 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: 47.655 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

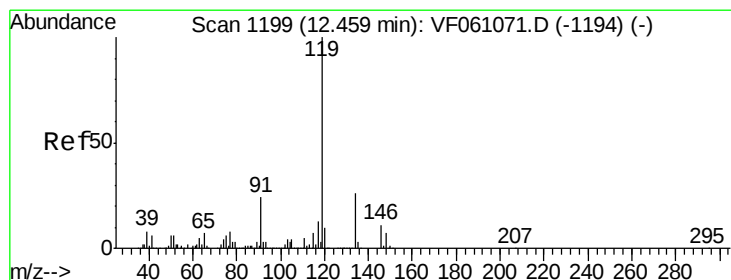
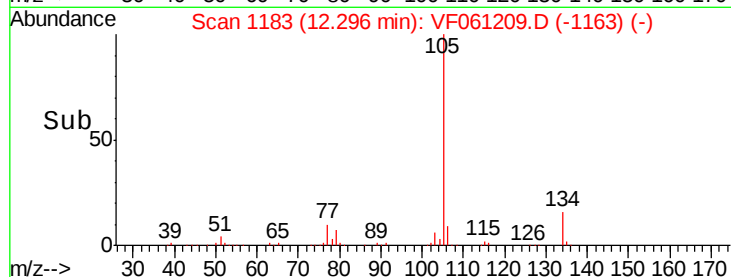
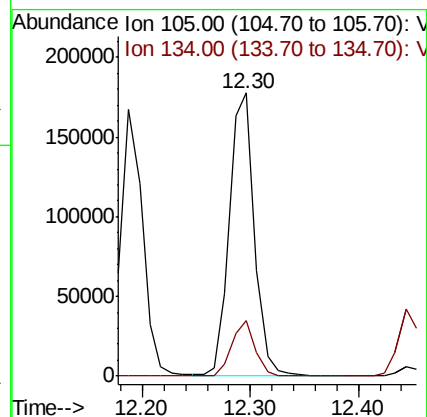
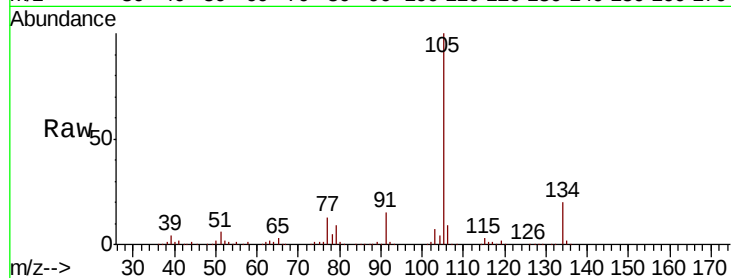
P001-SS001-0612-01MS

Tot Ion:105 Resp: 285183

Ion Ratio Lower Upper

105 100

134 19.6 9.4 28.2



#86

p-Isopropyltoluene

Concen: 49.077 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

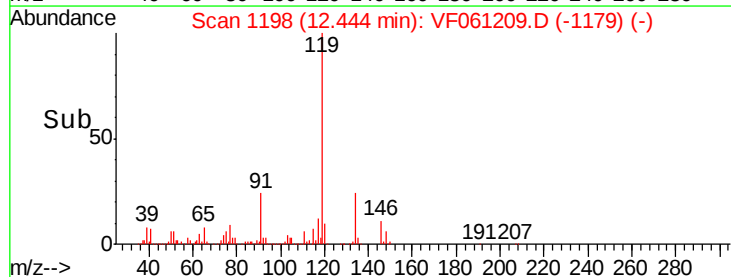
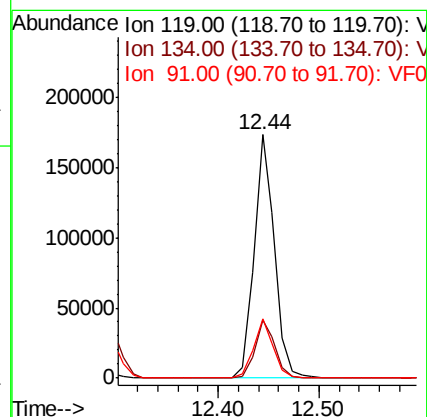
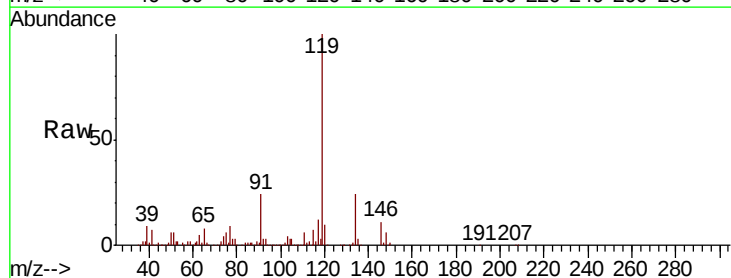
Tgt Ion:119 Resp: 243779

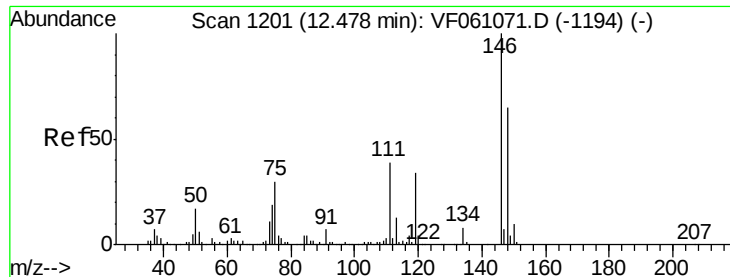
Ion Ratio Lower Upper

119 100

134 24.1 12.8 38.4

91 24.4 12.2 36.6

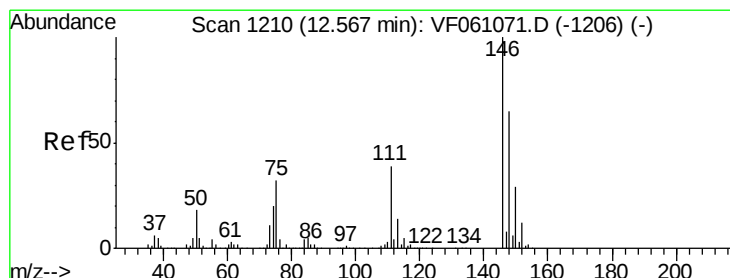
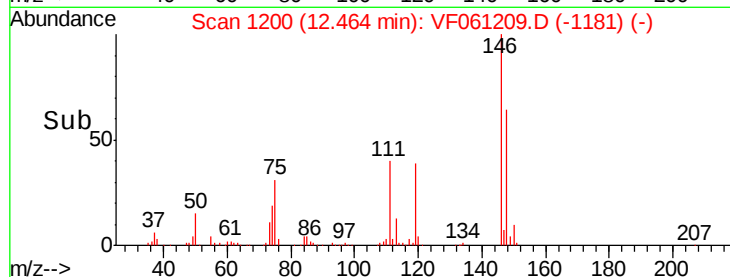
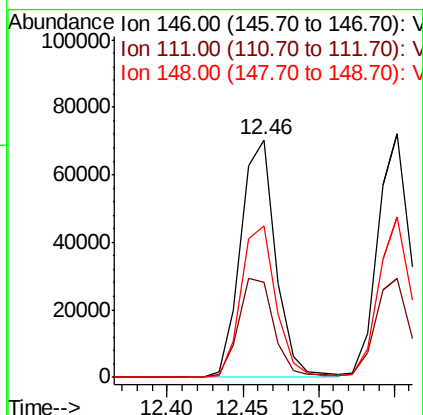
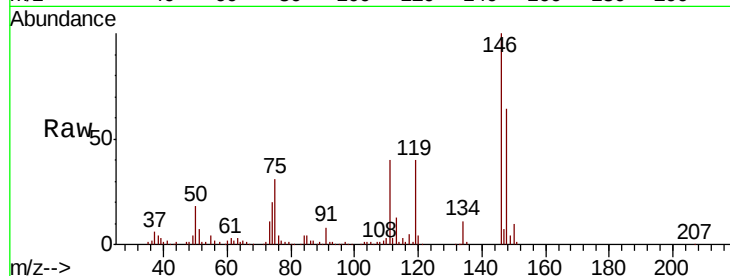




#87
 1,3-Dichlorobenzene
 Concen: 61.069 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

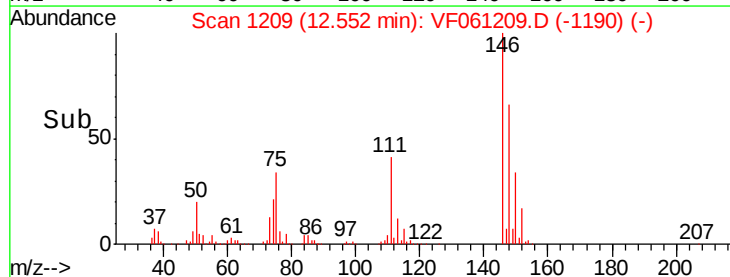
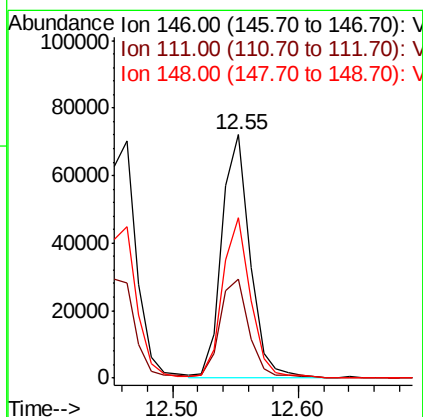
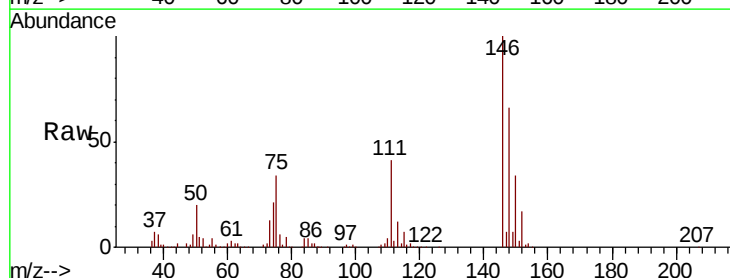
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

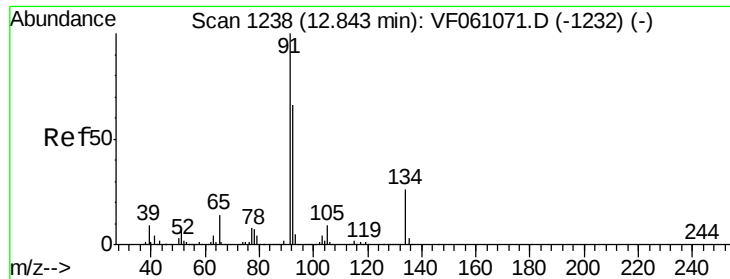
Tot Ion:146 Resp: 113842
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.3 57.9
 148 64.0 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 51.982 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

Tgt Ion:146 Resp: 111202
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.4 58.4
 148 65.9 32.4 97.0

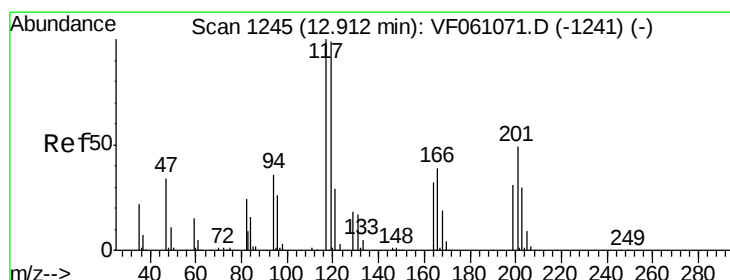
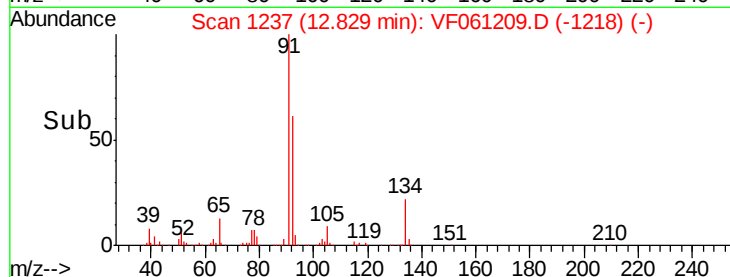
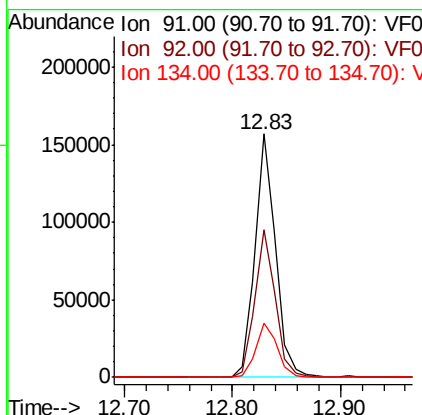
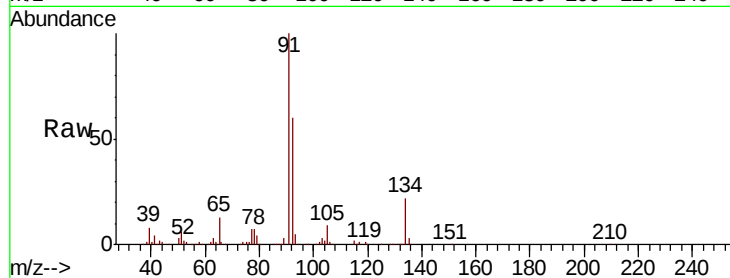




#89
n-Butylbenzene
Concen: 39.051 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

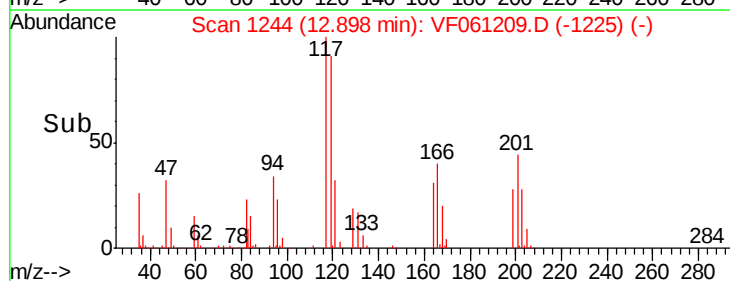
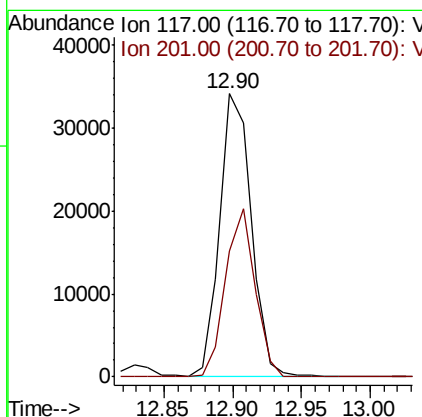
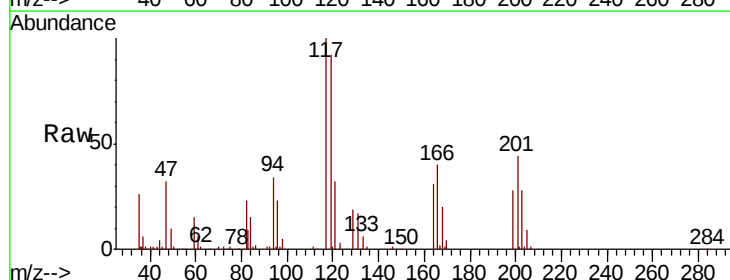
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

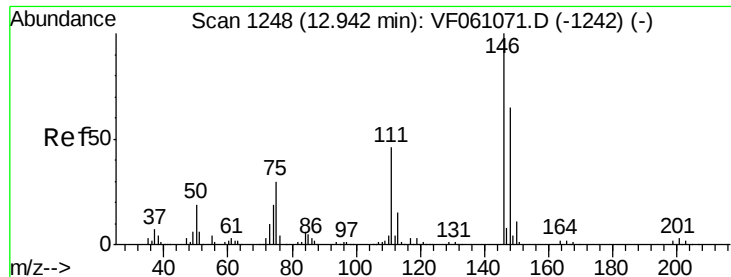
Tot Ion: 91 Resp: 205969
Ion Ratio Lower Upper
91 100
92 60.4 32.8 98.4
134 22.4 13.2 39.5



#90
Hexachloroethane
Concen: 44.328 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061209.D
Acq: 27 Dec 2018 15:43

Tgt Ion: 117 Resp: 54401
Ion Ratio Lower Upper
117 100
201 44.3 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 51.185 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

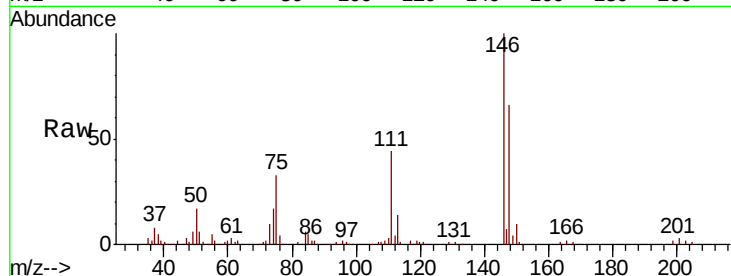
Tot Ion:146 Resp: 106603

Ion Ratio Lower Upper

146 100

111 43.9 23.2 69.5

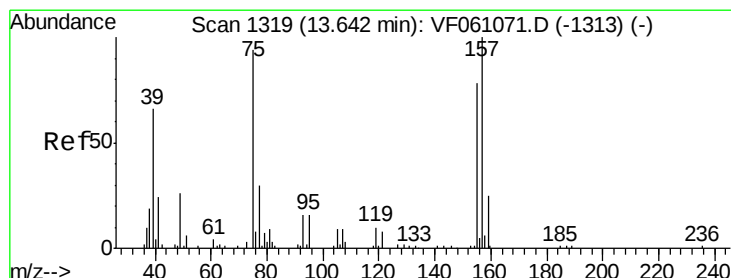
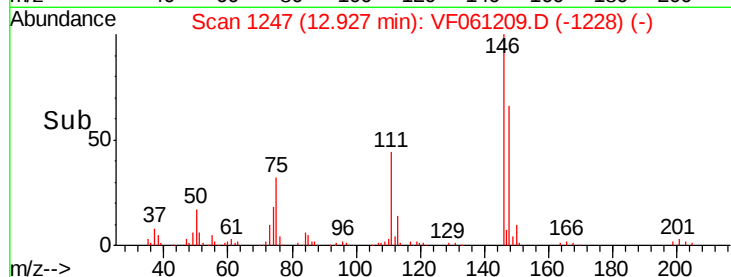
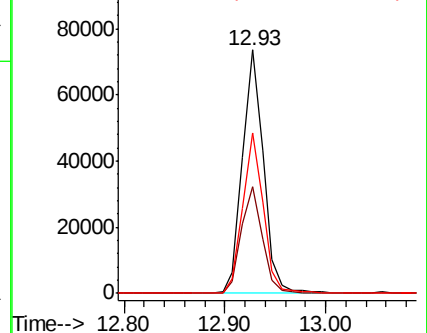
148 66.1 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 73.406 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

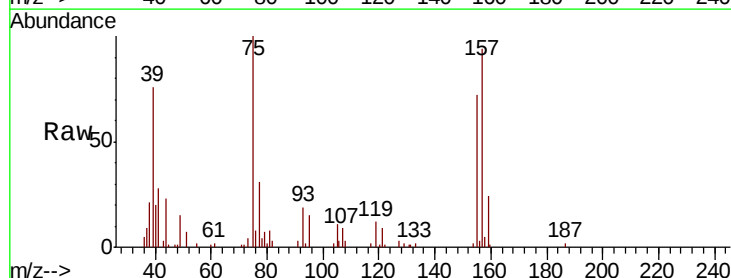
Tgt Ion: 75 Resp: 12099

Ion Ratio Lower Upper

75 100

155 71.7 41.5 124.5

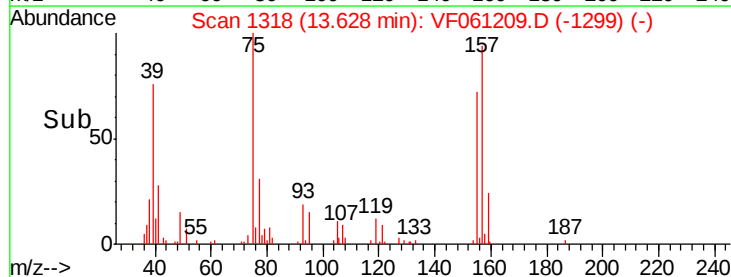
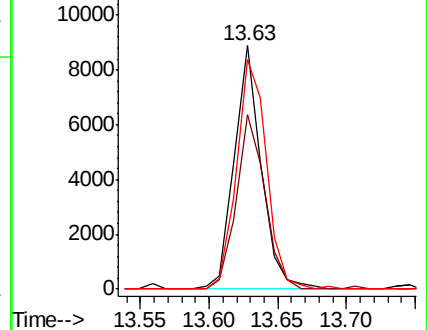
157 94.2 53.2 159.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

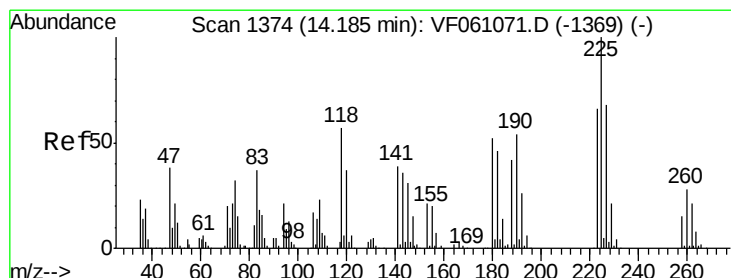
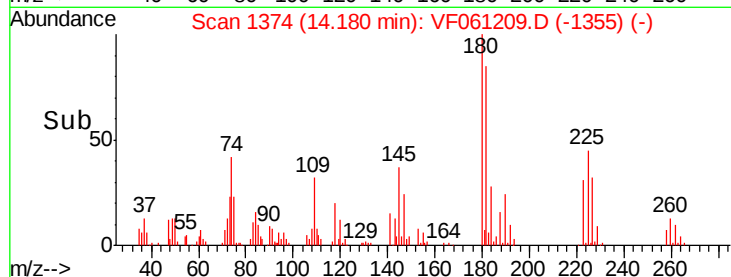
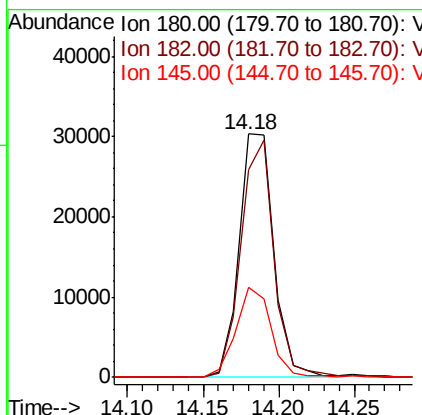
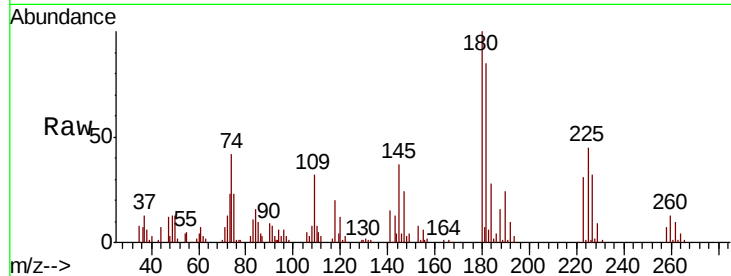




#93
 1,2,4-Trichlorobenzene
 Concen: 32.721 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

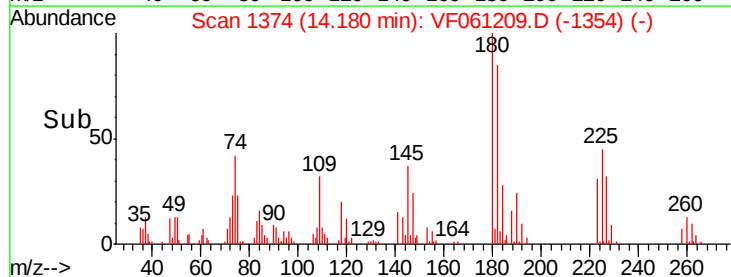
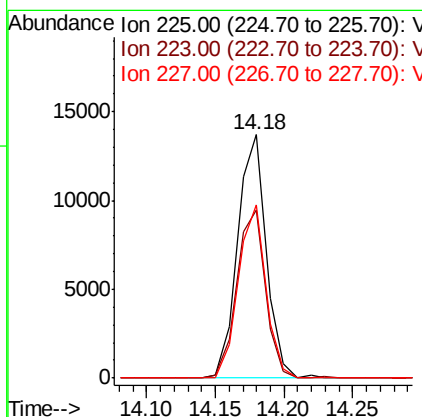
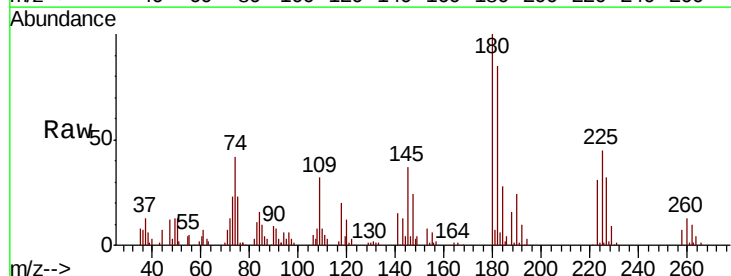
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

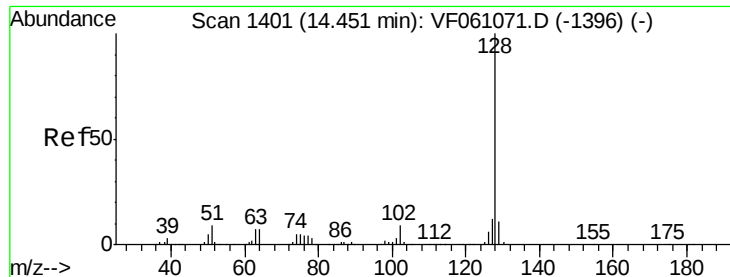
Tot Ion:180 Resp: 48330
 Ion Ratio Lower Upper
 180 100
 182 85.3 46.9 140.6
 145 37.0 20.5 61.6



#94
 Hexachlorobutadiene
 Concen: 21.175 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061209.D
 Acq: 27 Dec 2018 15:43

Tgt Ion:225 Resp: 19920
 Ion Ratio Lower Upper
 225 100
 223 69.0 32.8 98.3
 227 71.0 34.0 101.8





#95

Naphthalene

Concen: 43.967 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

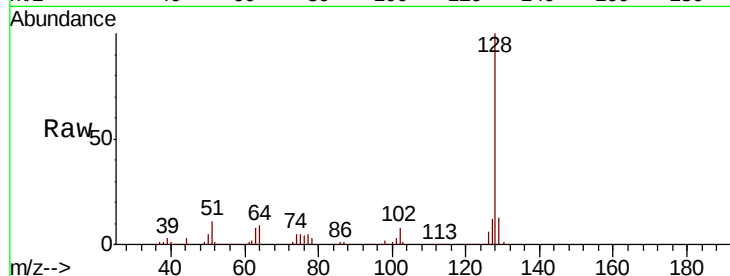
Tot Ion:128 Resp: 118585

Ion Ratio Lower Upper

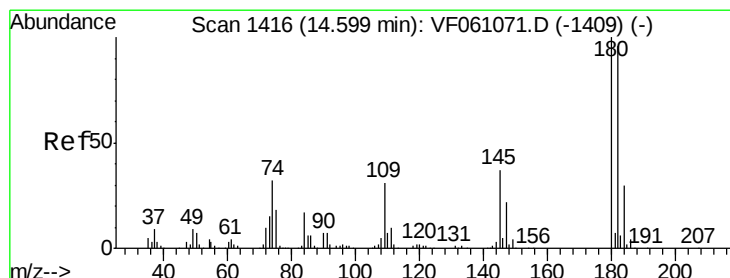
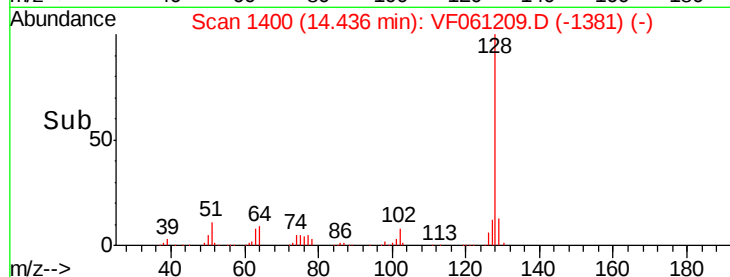
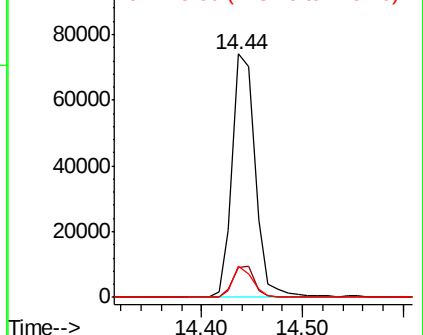
128 100

127 12.4 9.4 14.2

129 12.5 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 29.022 ug/l

RT: 14.58 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061209.D

Acq: 27 Dec 2018 15:43

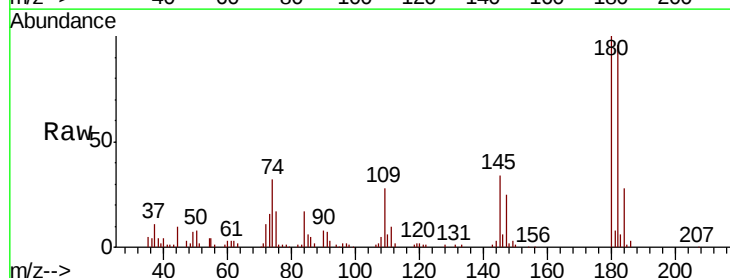
Tgt Ion:180 Resp: 39629

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.8

145 34.5 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

