

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
 Data File : VF061192.D
 Acq On : 26 Dec 2018 17:04
 Operator : VA/AP
 Sample : J6378-18MS
 Misc : 5.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 26 23:53:44 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	143747	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	266085	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	208158	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	95391	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	104818	56.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	4.09	113	114083	53.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	7.54	98	293088	48.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.40	95	122279	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	135487	42.401	ug/l	93
3) Chloromethane	1.11	50	85822	46.888	ug/l	97
4) Vinyl Chloride	1.13	62	76840	45.254	ug/l #	87
5) Bromomethane	1.31	94	47996	40.753	ug/l	88
6) Chloroethane	1.38	64	35708	45.640	ug/l	94
7) Trichlorofluoromethane	1.47	101	113026	34.862	ug/l	97
8) Diethyl Ether	1.62	74	22965	51.728	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	73042	43.452	ug/l	95
10) Methyl Iodide	1.90	142	84612	31.932	ug/l	94
11) Tert butyl alcohol	2.56	59	22696	304.203	ug/l	95
12) 1,1-Dichloroethene	1.79	96	60095	47.426	ug/l	97
13) Acrolein	1.99	56	5545	102.854	ug/l	81
14) Allyl chloride	2.08	41	74338	56.374	ug/l	96
15) Acrylonitrile	2.93	53	39481	228.845	ug/l	93
16) Acetone	2.23	43	98174	265.621	ug/l	96
17) Carbon Disulfide	1.82	76	122037	31.869	ug/l #	91
18) Methyl Acetate	2.34	43	85305	111.557	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	143711	51.096	ug/l	99
20) Methylene Chloride	2.16	84	19698	13.389	ug/l	93
21) trans-1,2-Dichloroethene	2.30	96	47216	34.839	ug/l	95
22) Diisopropyl ether	2.78	45	225443	51.325	ug/l	99
23) Vinyl Acetate	3.18	43	64977	32.066	ug/l	97
24) 1,1-Dichloroethane	2.85	63	126225	48.501	ug/l	98
25) 2-Butanone	4.31	43	153637	256.308	ug/l	100
26) 2,2-Dichloropropane	3.58	77	74815	50.093	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	100433	48.406	ug/l	97
28) Bromochloromethane	3.70	49	65246	49.410	ug/l	93
29) Tetrahydrofuran	4.06	42	63179	258.960	ug/l	98
30) Chloroform	3.84	83	193272	49.528	ug/l	99
31) Cyclohexane	3.67	56	69075	25.578	ug/l	99
32) 1,1,1-Trichloroethane	4.07	97	111124	47.510	ug/l	100
36) 1,1-Dichloropropene	4.26	75	134133	41.762	ug/l	95
37) Ethyl Acetate	4.09	43	39564	29.512	ug/l #	54
38) Carbon Tetrachloride	3.97	117	103848	42.457	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	92890	32.237	ug/l	99
40) Benzene	4.61	78	304982	44.155	ug/l	93
41) Methacrylonitrile	4.73	41	29347	43.265	ug/l	93
42) 1,2-Dichloroethane	4.92	62	116094	44.245	ug/l	98
43) Isopropyl Acetate	6.94	43	39053	25.182	ug/l	98
44) Trichloroethene	5.48	130	92178	42.330	ug/l	95
45) 1,2-Dichloropropane	6.21	63	80048	42.597	ug/l	98
46) Dibromomethane	6.07	93	54195	44.465	ug/l	95
47) Bromodichloromethane	6.37	83	140768	44.451	ug/l	99
48) Methyl methacrylate	6.70	41	51540	47.606	ug/l	94
49) 1,4-Dioxane	6.69	88	7620	970.001	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	260097	244.545	ug/l	98
52) Toluene	7.61	92	180160	39.404	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	110243	43.153	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	141609	44.166	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	61275	44.705	ug/l	97
56) Ethyl methacrylate	8.60	69	45939	30.974	ug/l	98
57) 1,3-Dichloropropane	8.84	76	108404	43.729	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	57649	202.384	ug/l	98
59) 2-Hexanone	9.48	43	169922	220.917	ug/l	98
60) Dibromochloromethane	8.70	129	87797	44.685	ug/l	99
61) 1,2-Dibromoethane	8.97	107	65817	44.962	ug/l	99
64) Tetrachloroethene	8.14	164	74415	46.473	ug/l	95
65) Chlorobenzene	9.79	112	192223	44.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	92009	52.357	ug/l	95
67) Ethyl Benzene	9.88	91	379525	48.444	ug/l	99
68) m/p-Xylenes	10.11	106	245848	89.170	ug/l	95
69) o-Xylene	10.70	106	145265	47.507	ug/l	92
70) Styrene	10.77	104	193740	52.212	ug/l	97
71) Bromoform	10.76	173	41131	50.590	ug/l	95
73) Isopropylbenzene	11.12	105	389121	47.336	ug/l	98
74) N-amyl acetate	11.36	43	30292	16.598	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	78003	57.174	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	57231	56.368	ug/l	96
77) Bromobenzene	11.48	156	83251	47.046	ug/l	96
78) n-propylbenzene	11.58	91	419134	43.036	ug/l	100
79) 2-Chlorotoluene	11.71	91	253591	44.970	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	303347	44.815	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	32208	73.823	ug/l	92
82) 4-Chlorotoluene	11.89	91	256771	44.016	ug/l	98
83) tert-Butylbenzene	12.12	119	298030	42.788	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	296136	43.872	ug/l	98
85) sec-Butylbenzene	12.29	105	362170	39.844	ug/l	98
86) p-Isopropyltoluene	12.45	119	310705	41.180	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	145542	50.446	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	142552	43.871	ug/l	98
89) n-Butylbenzene	12.83	91	270760	32.919	ug/l	94
90) Hexachloroethane	12.90	117	72687	38.993	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	140375	44.373	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	13627	54.431	ug/l	97

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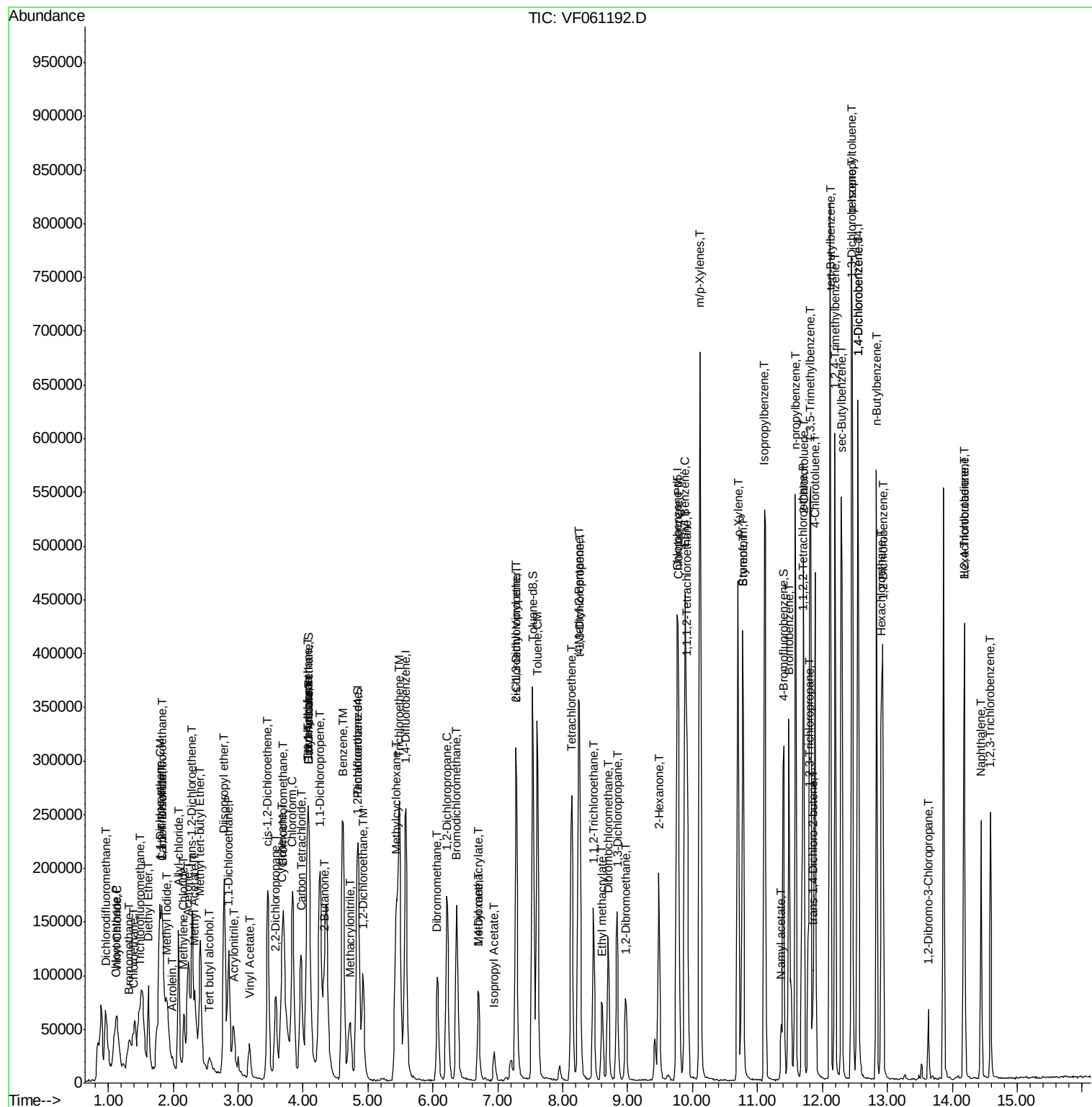
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	72068	32.122	ug/l	98
94) Hexachlorobutadiene	14.18	225	28968	20.272	ug/l	95
95) Naphthalene	14.44	128	168897	41.227	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	61072	29.446	ug/l	98

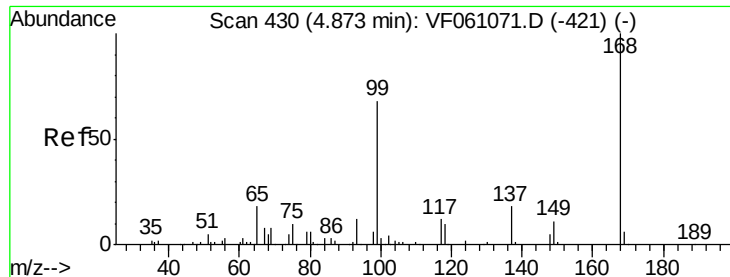
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

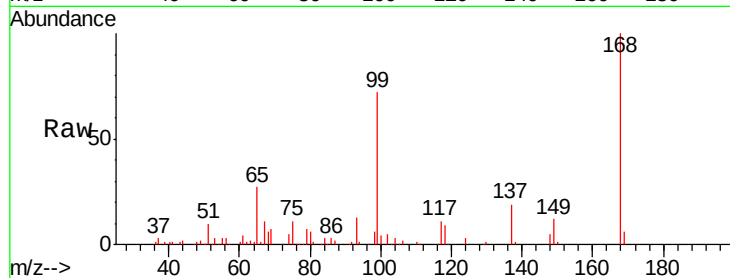
P001-SS001-0612-01MS

Tgt Ion:168 Resp: 143747

Ion Ratio Lower Upper

168 100

99 72.3 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

50000

40000

30000

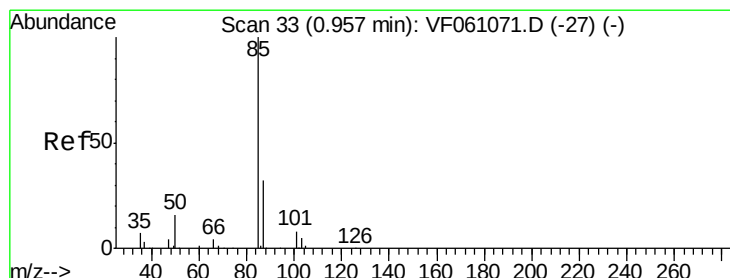
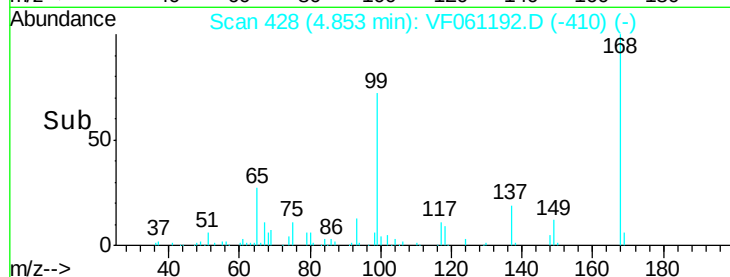
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.401 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061192.D

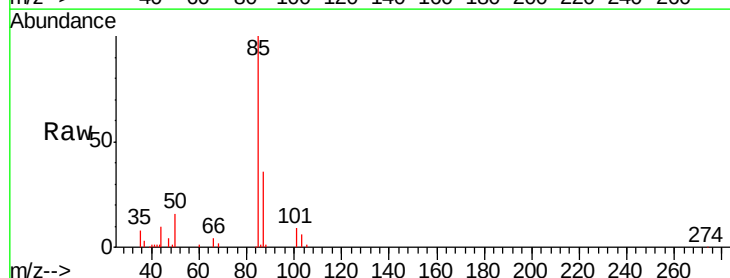
Acq: 26 Dec 2018 17:04

Tgt Ion: 85 Resp: 135487

Ion Ratio Lower Upper

85 100

87 35.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

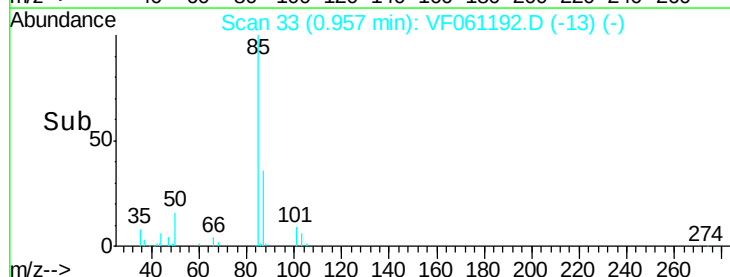
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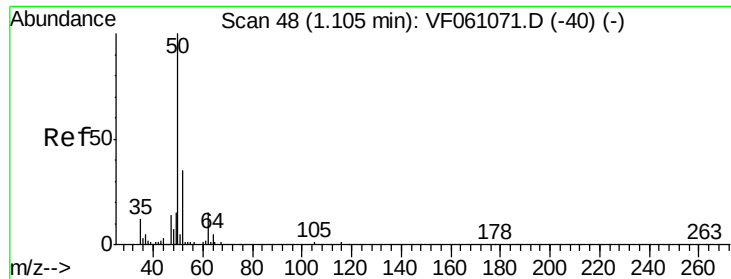
10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 46.888 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

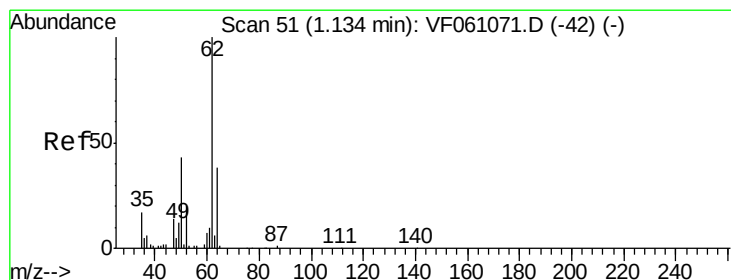
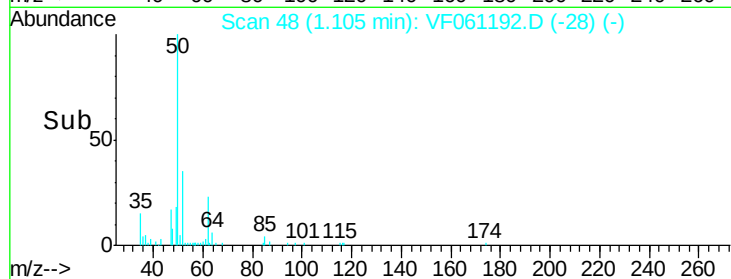
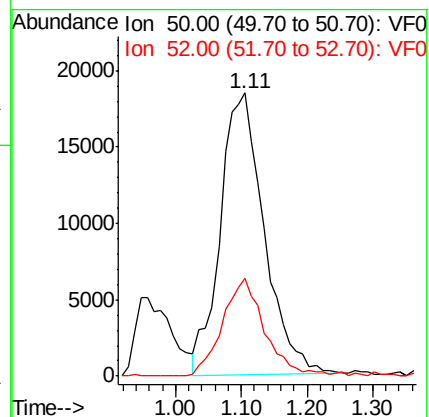
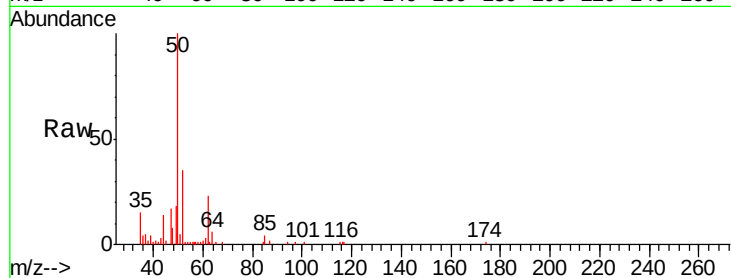
P001-SS001-0612-01MS

Tgt Ion: 50 Resp: 85822

Ion Ratio Lower Upper

50 100

52 34.6 26.3 39.5



#4

Vinyl Chloride

Concen: 45.254 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061192.D

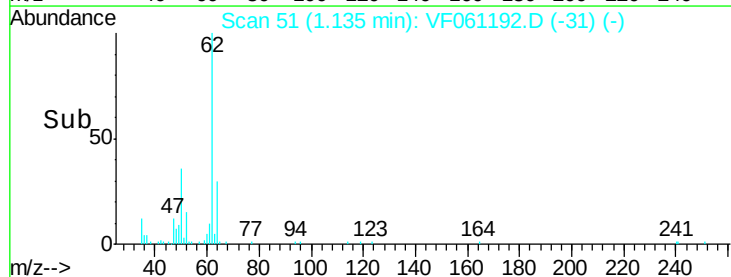
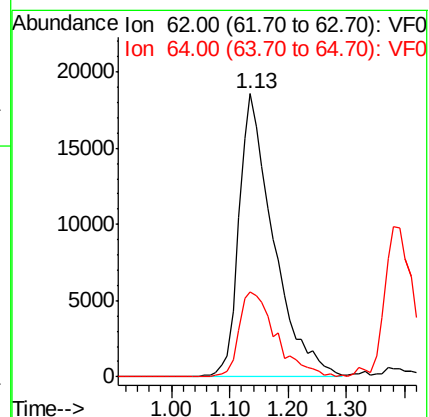
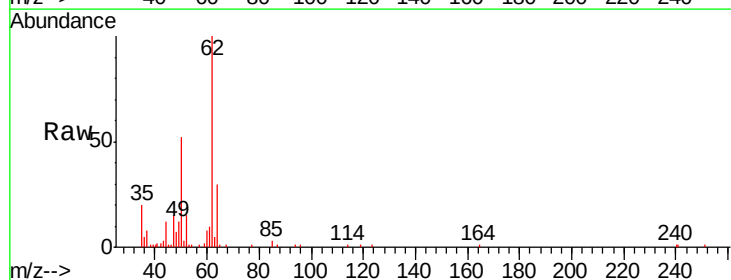
Acq: 26 Dec 2018 17:04

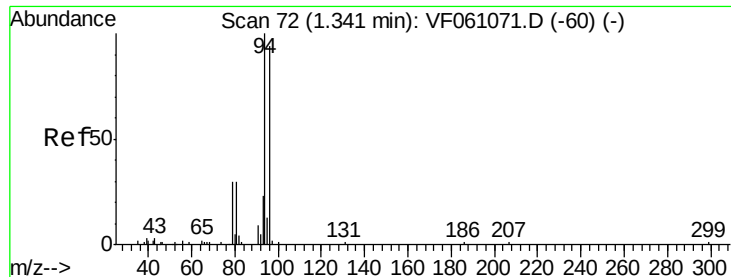
Tgt Ion: 62 Resp: 76840

Ion Ratio Lower Upper

62 100

64 30.0 30.4 45.6#





#5

Bromomethane

Concen: 40.753 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

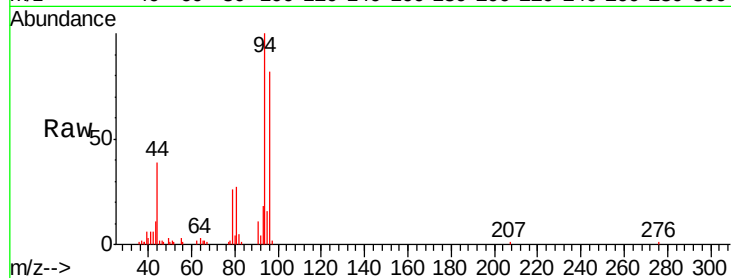
P001-SS001-0612-01MS

Tgt Ion: 94 Resp: 47996

Ion Ratio Lower Upper

94 100

96 81.5 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

10000

8000

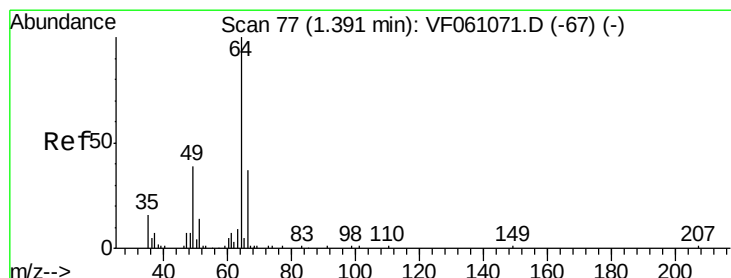
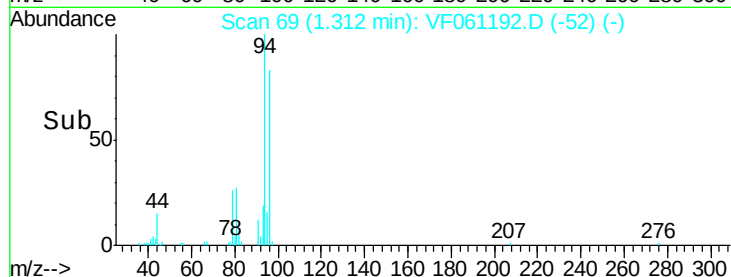
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 45.640 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061192.D

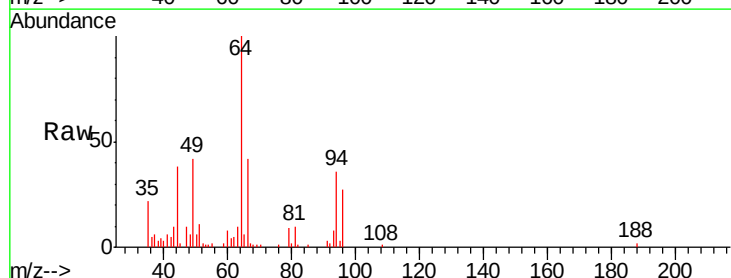
Acq: 26 Dec 2018 17:04

Tgt Ion: 64 Resp: 35708

Ion Ratio Lower Upper

64 100

66 42.2 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.38

10000

8000

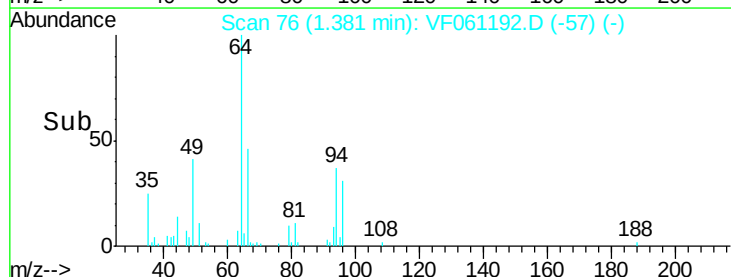
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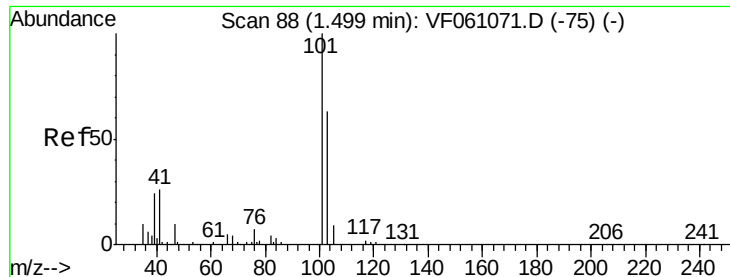
4000

2000

0

Time-->



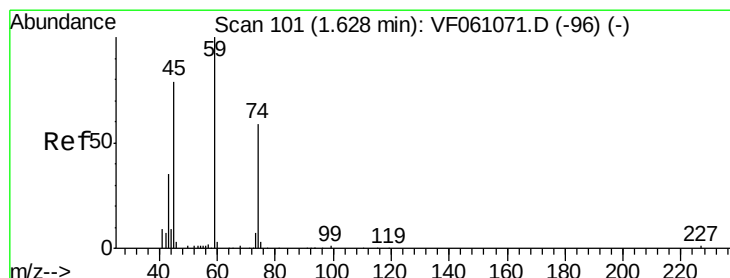
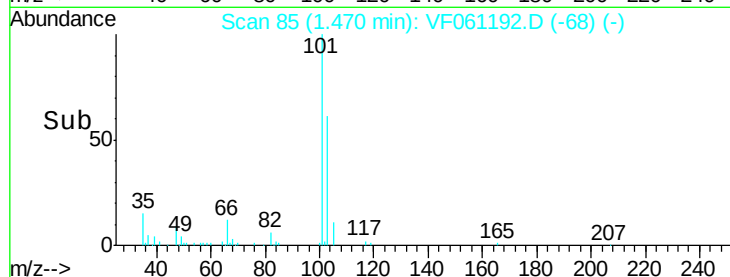
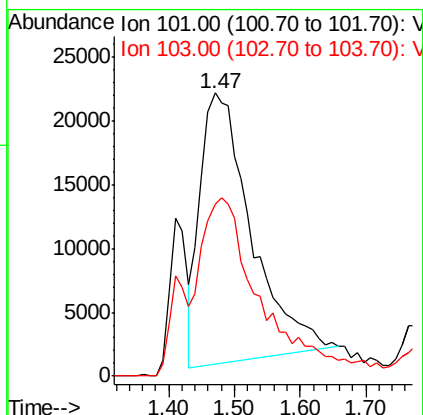
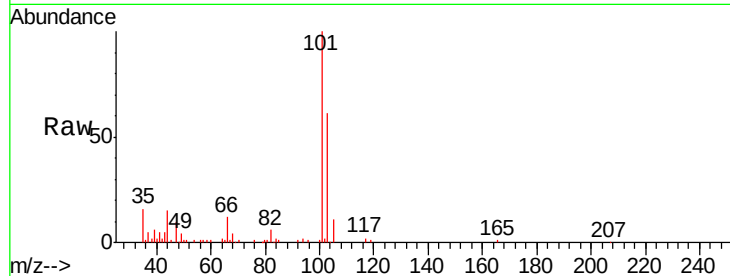


#7

Trichlorofluoromethane
Concen: 34.862 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.03 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
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ClientSampleId :
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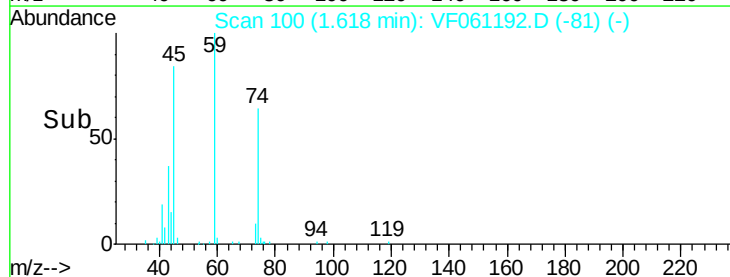
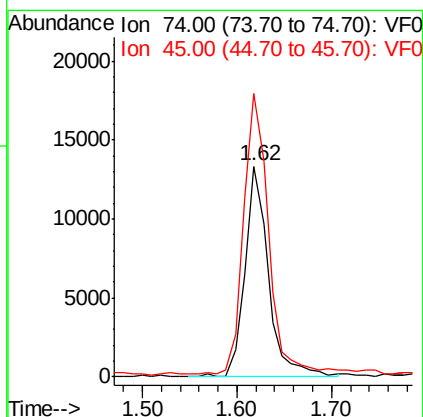
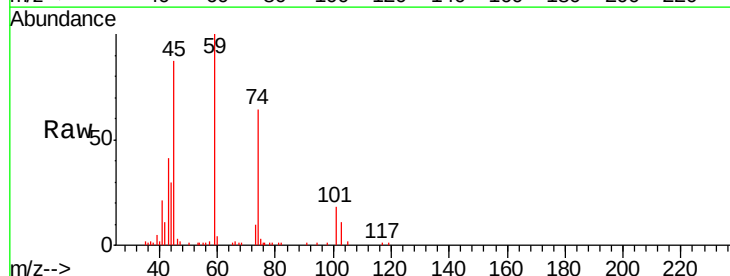
Tgt Ion:101 Resp: 113026
Ion Ratio Lower Upper
101 100
103 60.8 50.7 76.1

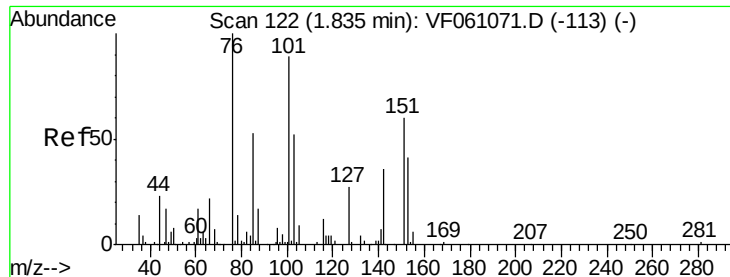


#8

Diethyl Ether
Concen: 51.728 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 74 Resp: 22965
Ion Ratio Lower Upper
74 100
45 134.3 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.452 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

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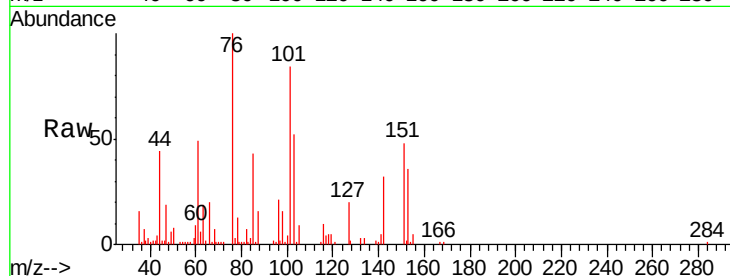
Tgt Ion:101 Resp: 73042

Ion Ratio Lower Upper

101 100

85 51.9 44.5 66.7

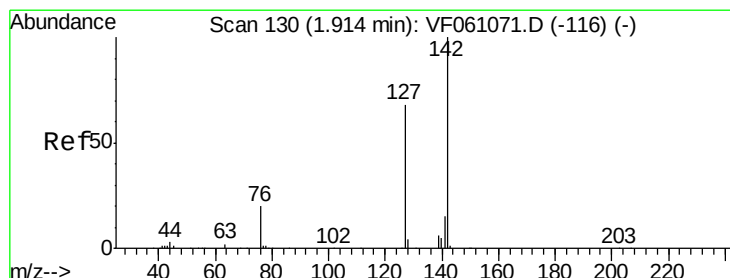
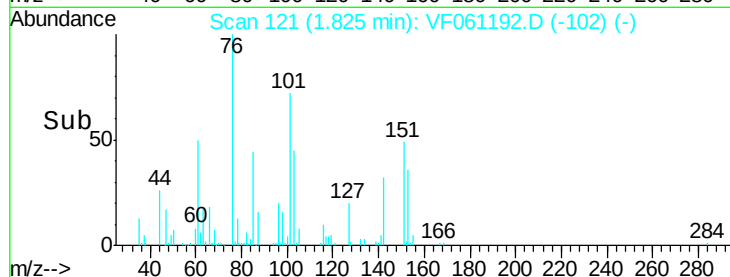
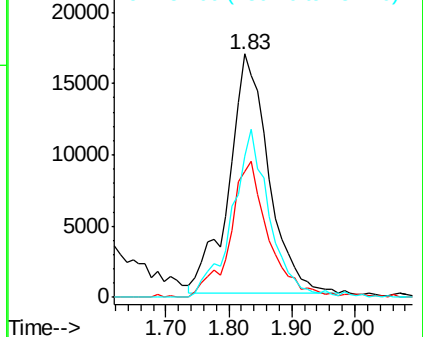
151 57.9 49.9 74.9



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: 31.932 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

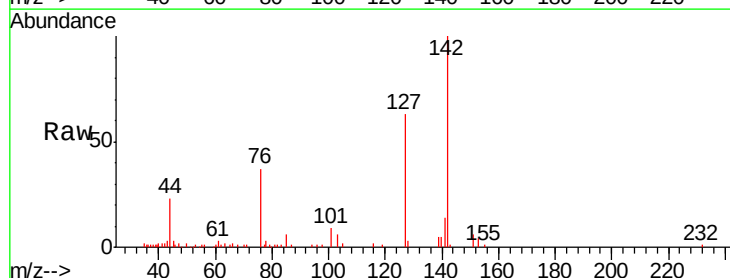
Tgt Ion:142 Resp: 84612

Ion Ratio Lower Upper

142 100

127 63.5 54.7 82.1

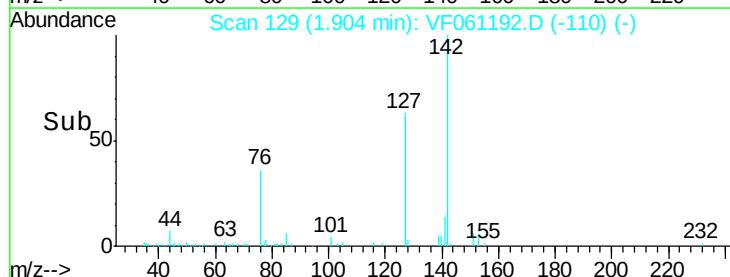
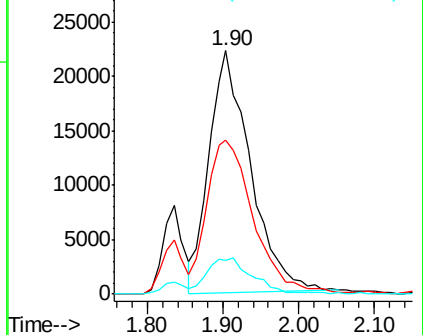
141 13.9 12.2 18.2

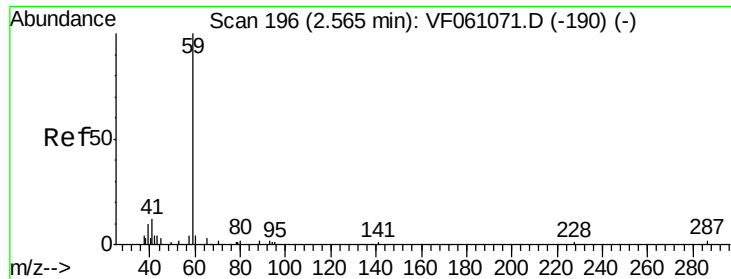


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



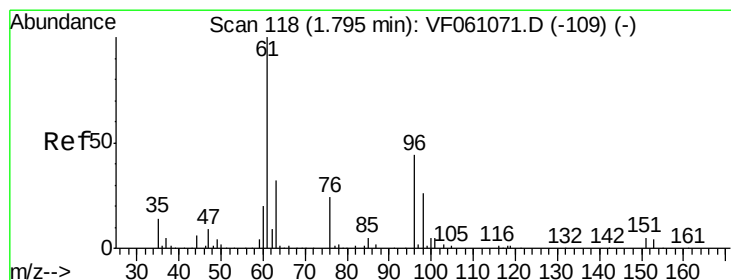
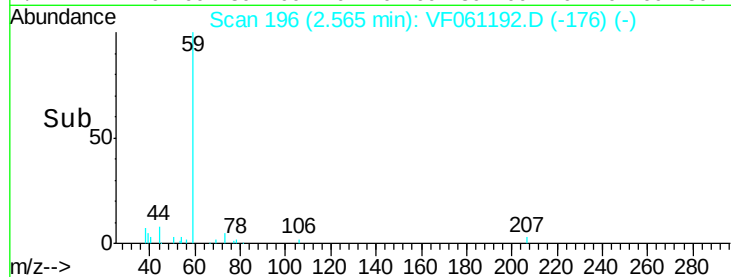
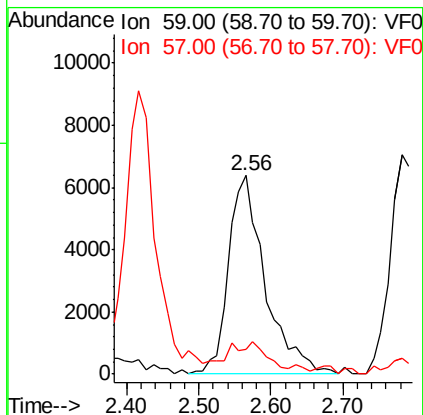
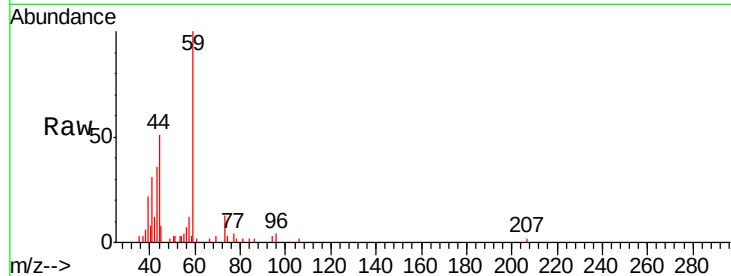


#11

Tert butyl alcohol
Concen: 304.203 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

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

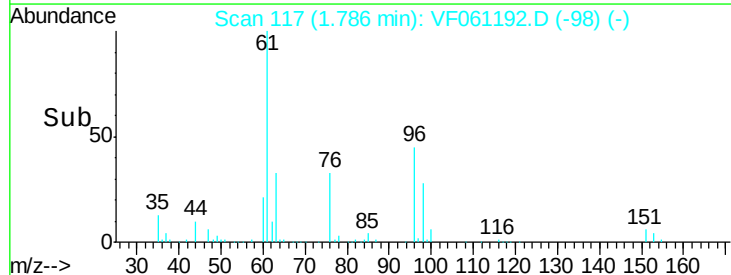
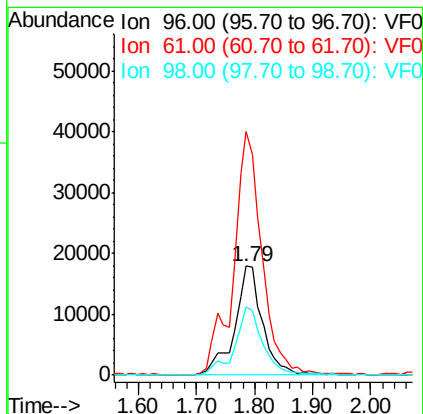
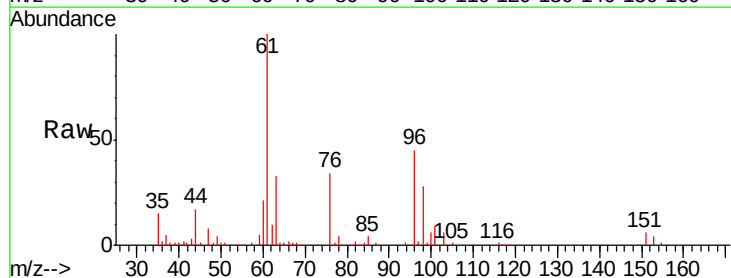
Tgt Ion: 59 Resp: 22696
Ion Ratio Lower Upper
59 100
57 12.4 11.5 17.3

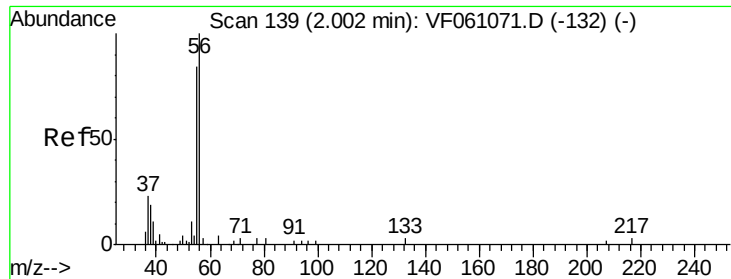


#12

1,1-Dichloroethene
Concen: 47.426 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 96 Resp: 60095
Ion Ratio Lower Upper
96 100
61 223.1 182.0 273.0
98 62.3 46.5 69.7





#13

Acrolein

Concen: 102.854 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

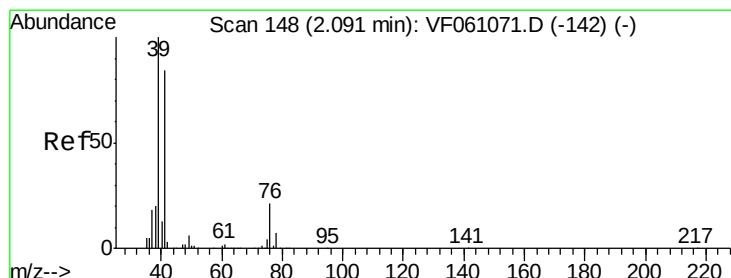
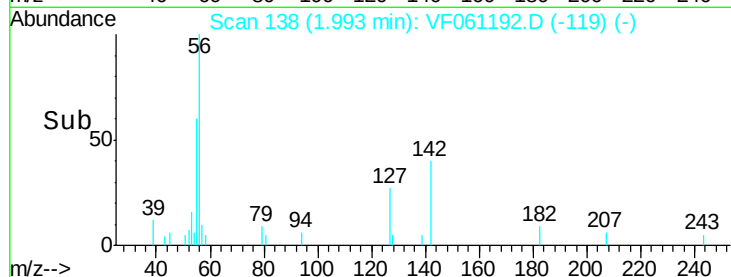
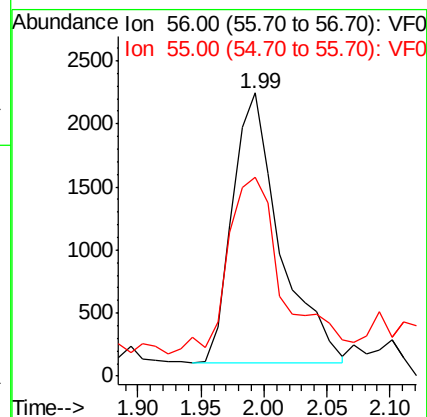
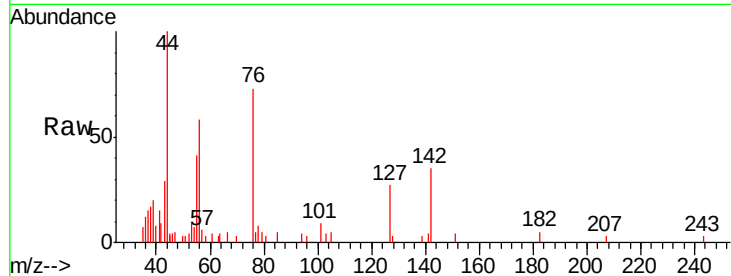
P001-SS001-0612-01MS

Tgt Ion: 56 Resp: 5545

Ion Ratio Lower Upper

56 100

55 70.3 70.2 105.2



#14

Allyl chloride

Concen: 56.374 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

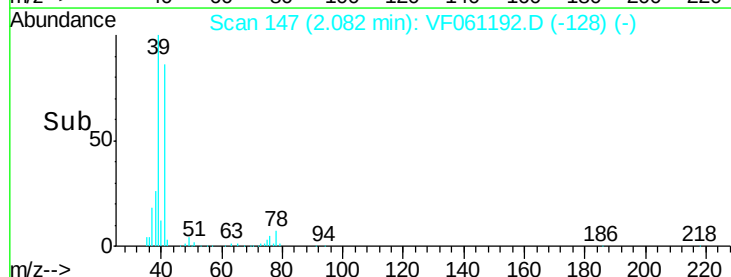
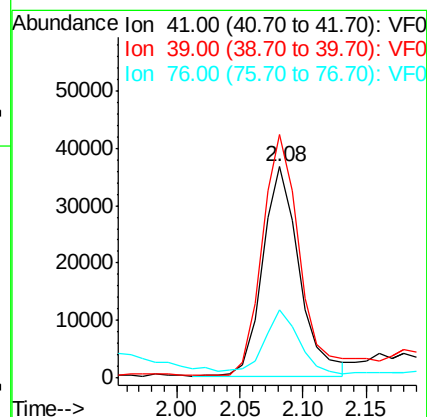
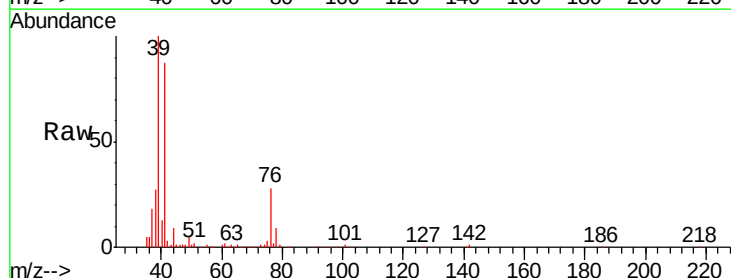
Tgt Ion: 41 Resp: 74338

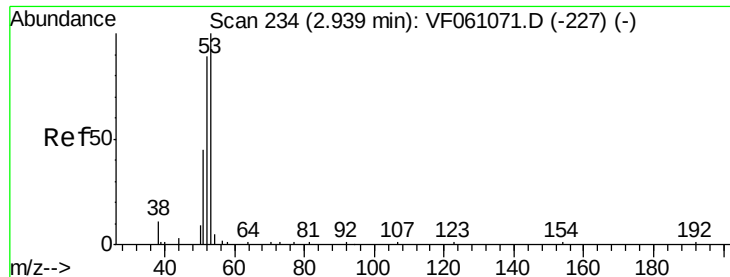
Ion Ratio Lower Upper

41 100

39 115.3 96.4 144.6

76 32.4 25.4 38.0





#15

Acrylonitrile

Concen: 228.845 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

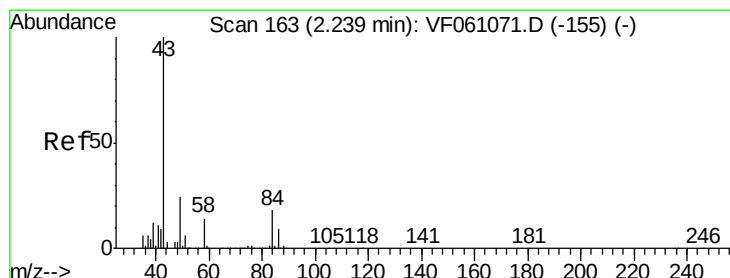
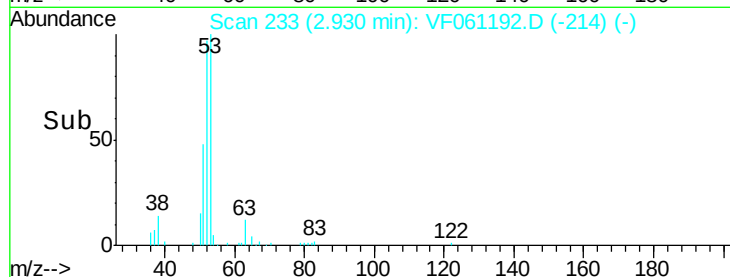
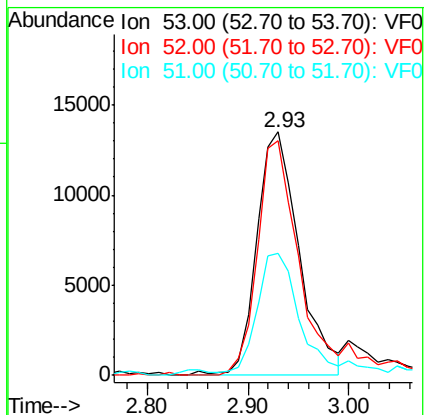
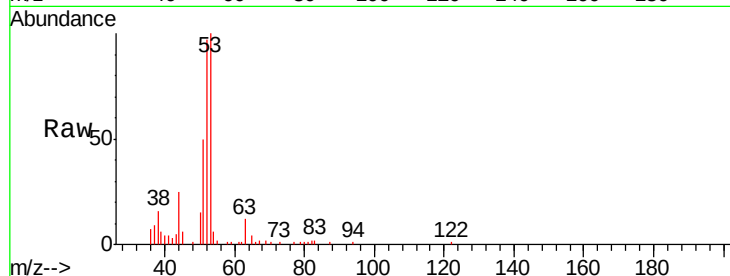
Tgt Ion: 53 Resp: 39481

Ion Ratio Lower Upper

53 100

52 96.5 71.3 106.9

51 50.0 36.8 55.2



#16

Acetone

Concen: 265.621 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061192.D

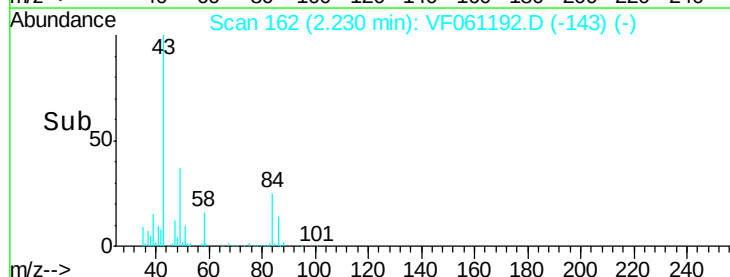
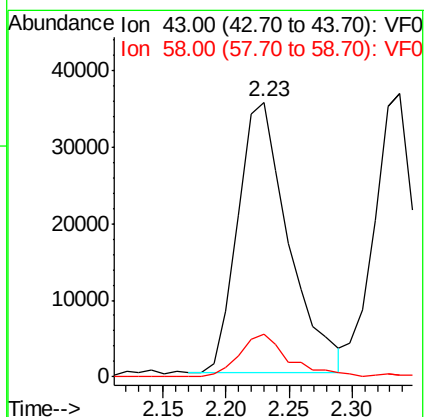
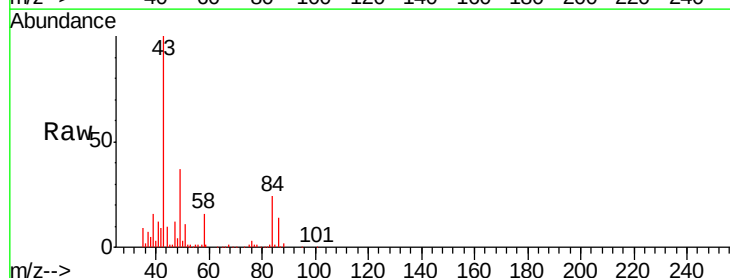
Acq: 26 Dec 2018 17:04

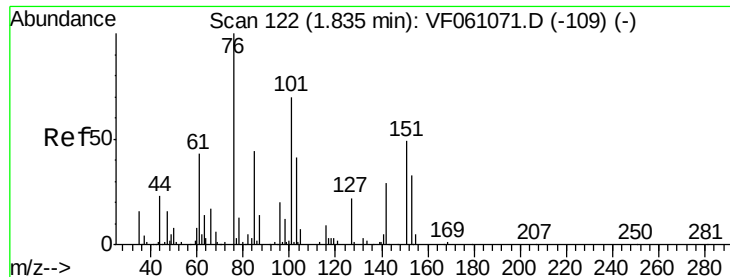
Tgt Ion: 43 Resp: 98174

Ion Ratio Lower Upper

43 100

58 15.5 11.1 16.7

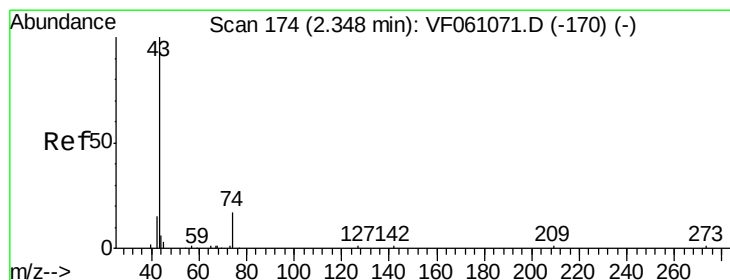
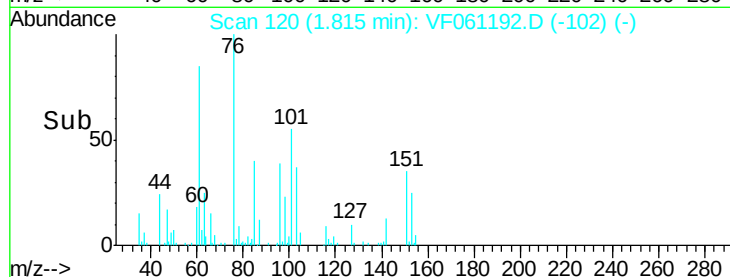
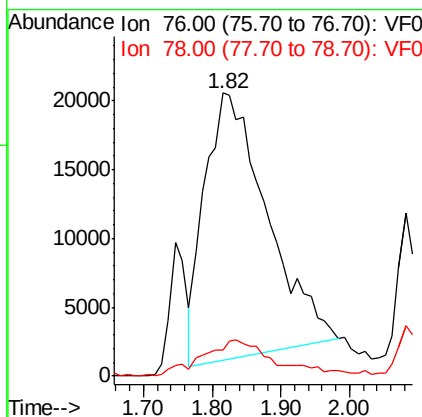
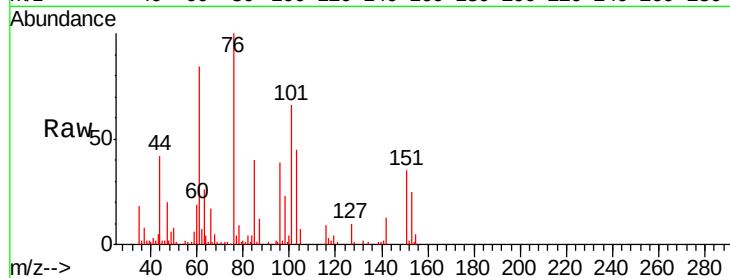




#17
Carbon Disulfide
Concen: 31.869 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

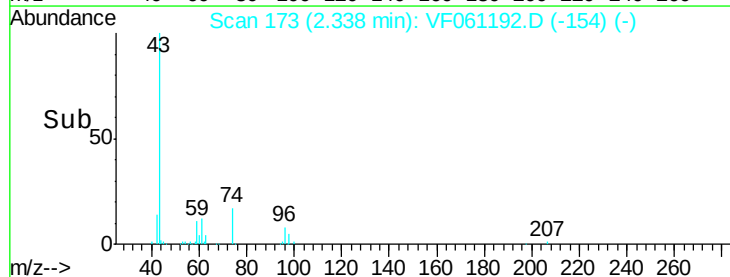
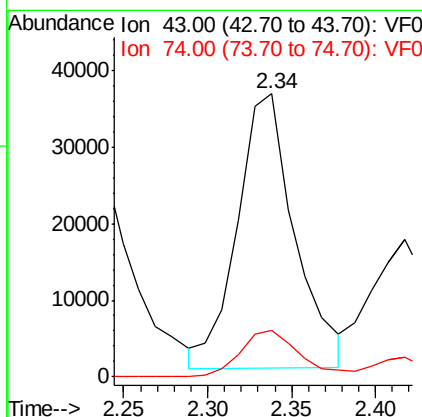
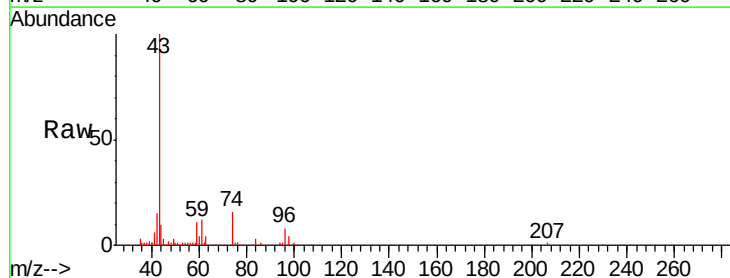
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

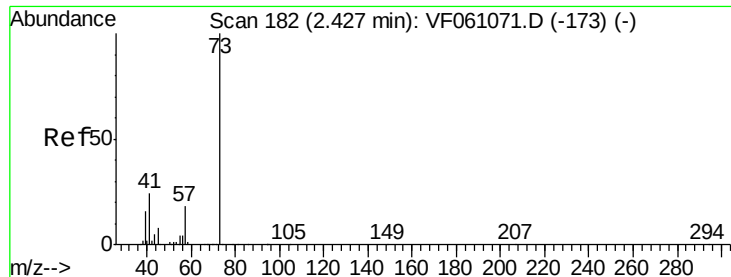
Tgt Ion: 76 Resp: 122037
Ion Ratio Lower Upper
76 100
78 9.1 10.2 15.4#



#18
Methyl Acetate
Concen: 111.557 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 43 Resp: 85305
Ion Ratio Lower Upper
43 100
74 16.3 11.0 16.6



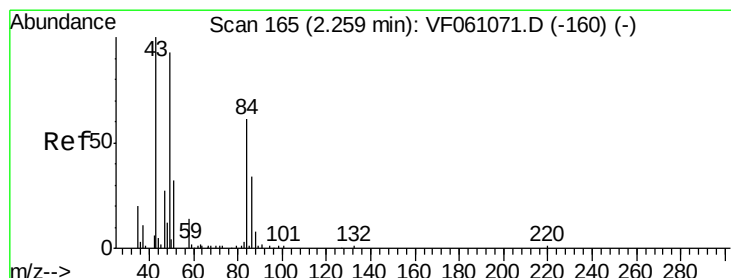
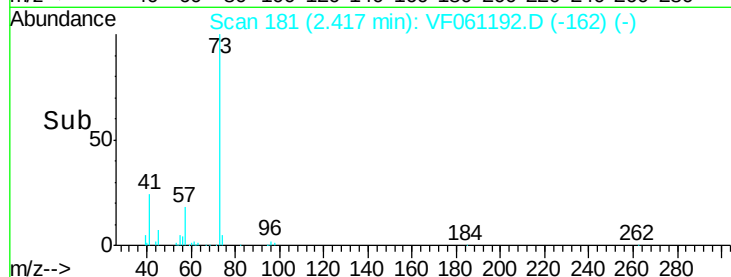
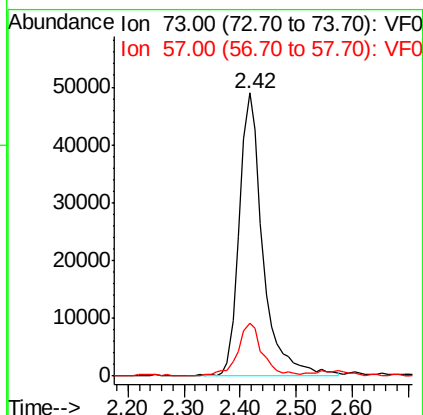
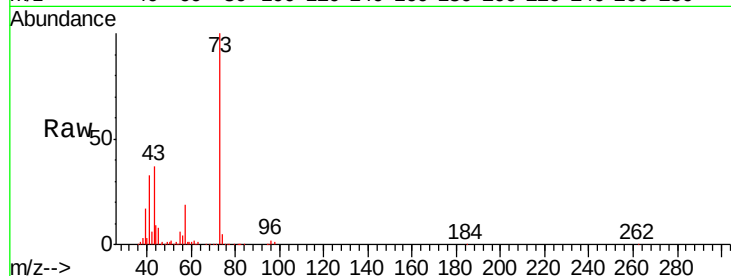


#19

Methyl tert-butyl Ether
 Concen: 51.096 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

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

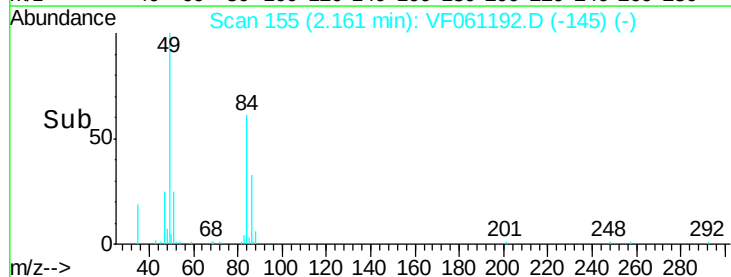
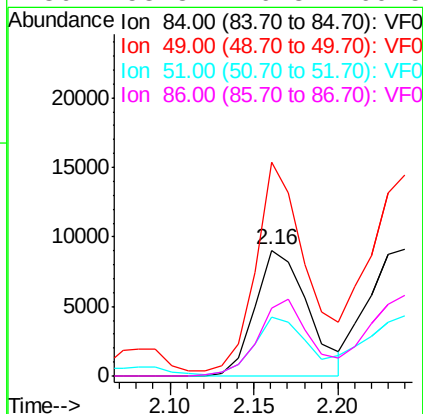
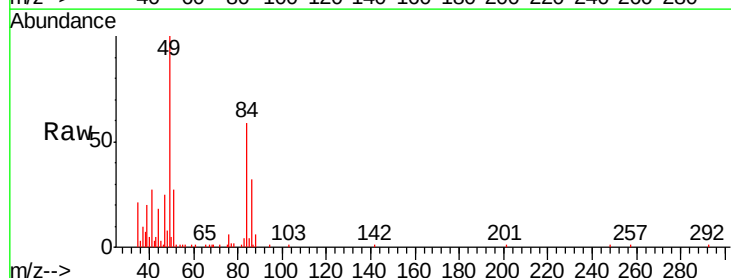
Tgt Ion: 73 Resp: 143711
 Ion Ratio Lower Upper
 73 100
 57 18.6 14.5 21.7

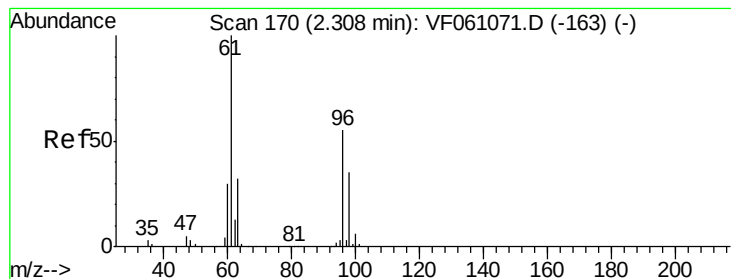


#20

Methylene Chloride
 Concen: 13.389 ug/l
 RT: 2.16 min Scan# 155
 Delta R.T. -0.10 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion: 84 Resp: 19698
 Ion Ratio Lower Upper
 84 100
 49 170.3 129.4 194.2
 51 46.8 44.0 66.0
 86 53.8 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 34.839 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

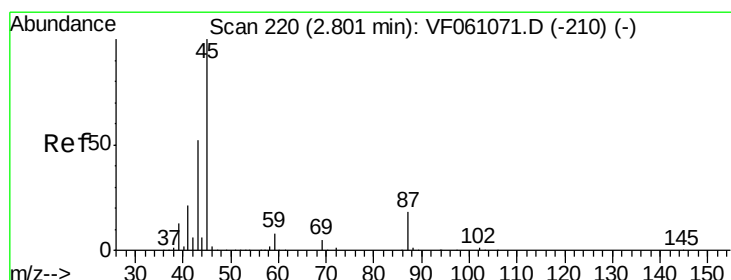
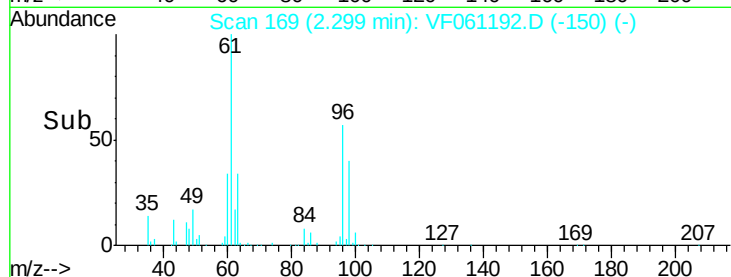
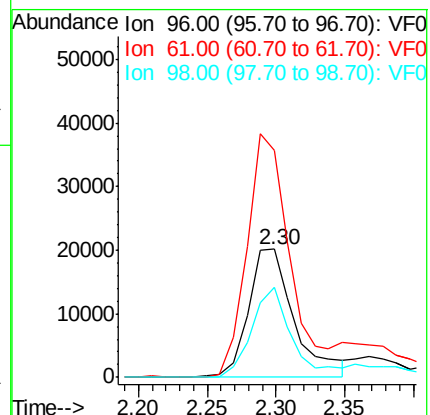
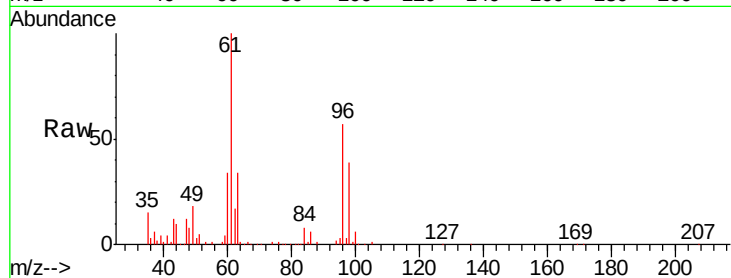
Tgt Ion: 96 Resp: 47216

Ion Ratio Lower Upper

96 100

61 176.9 146.0 219.0

98 69.8 51.6 77.4



#22

Diisopropyl ether

Concen: 51.325 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion: 45 Resp: 225443

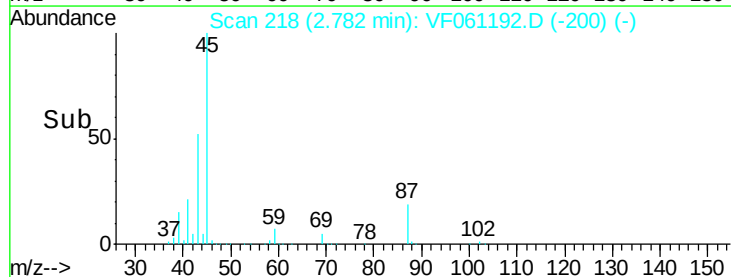
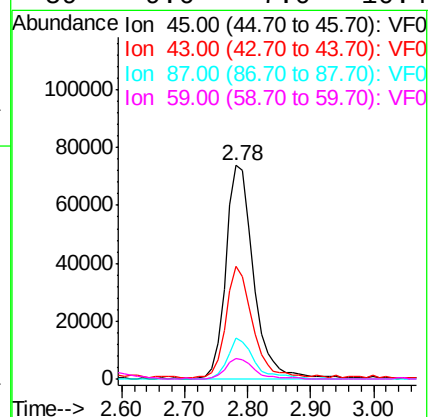
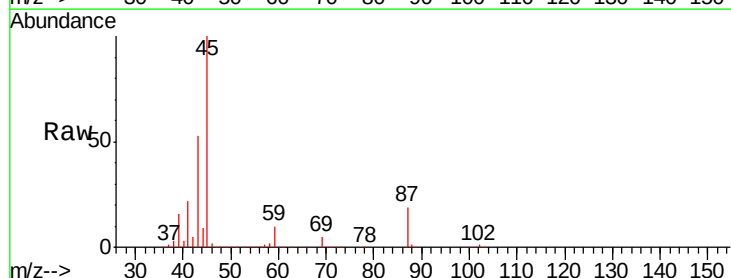
Ion Ratio Lower Upper

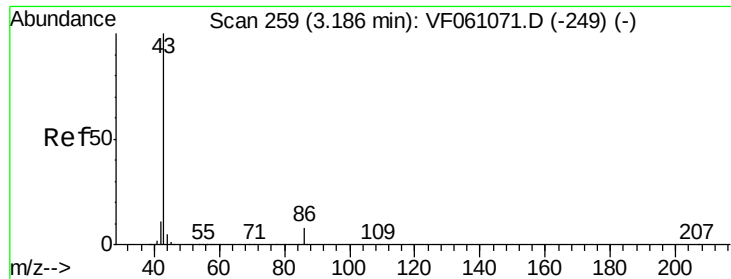
45 100

43 52.8 42.2 63.2

87 18.9 14.6 22.0

59 9.6 7.0 10.4

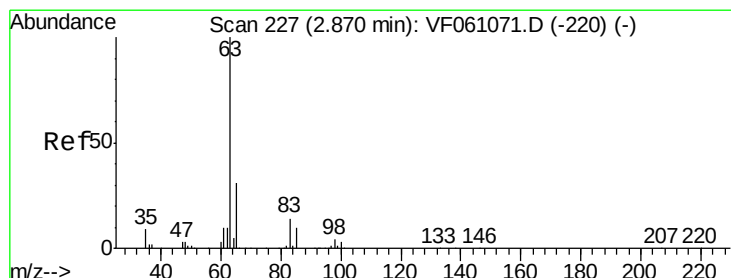
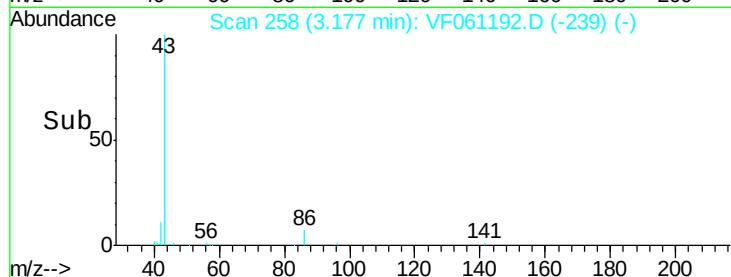
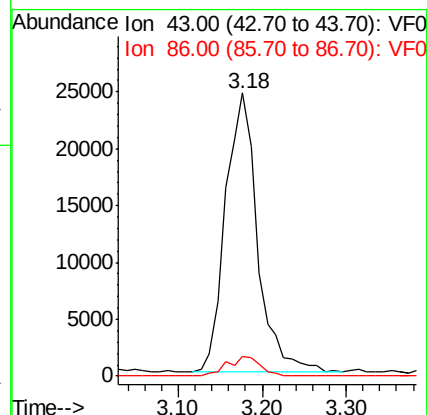
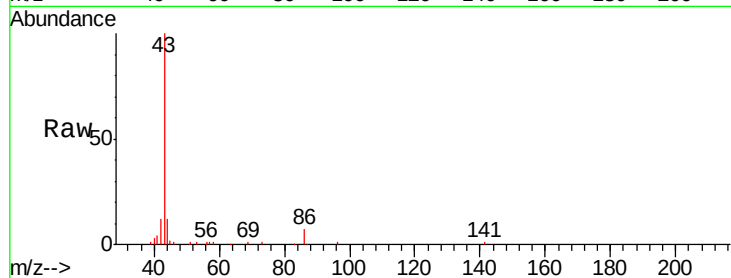




#23
 Vinyl Acetate
 Concen: 32.066 ug/l
 RT: 3.18 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

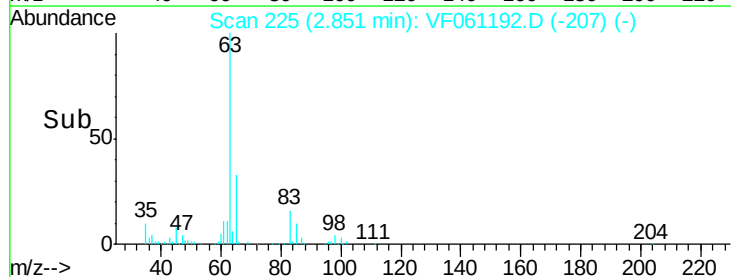
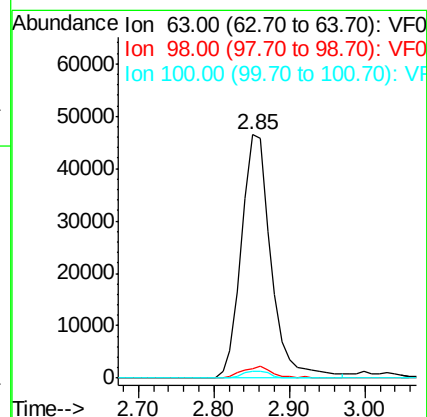
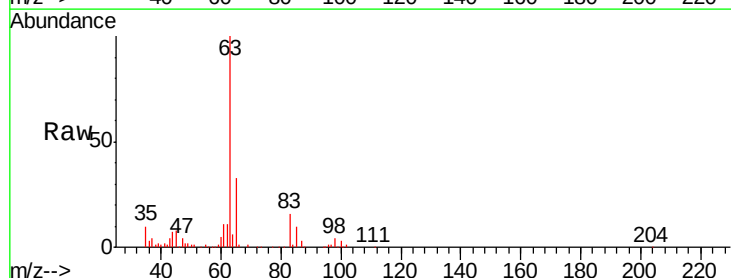
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

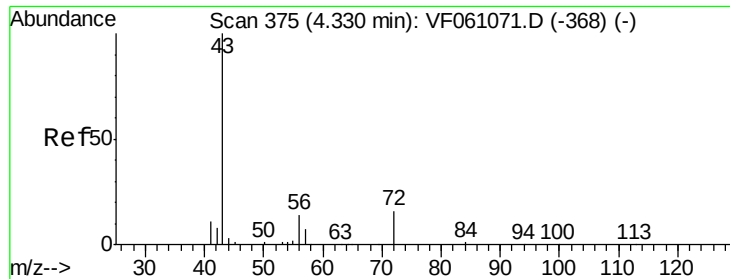
Tgt Ion: 43 Resp: 64977
 Ion Ratio Lower Upper
 43 100
 86 7.0 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 48.501 ug/l
 RT: 2.85 min Scan# 225
 Delta R.T. -0.02 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion: 63 Resp: 126225
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.1 6.5
 100 2.8 1.7 5.1





#25

2-Butanone

Concen: 256.308 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

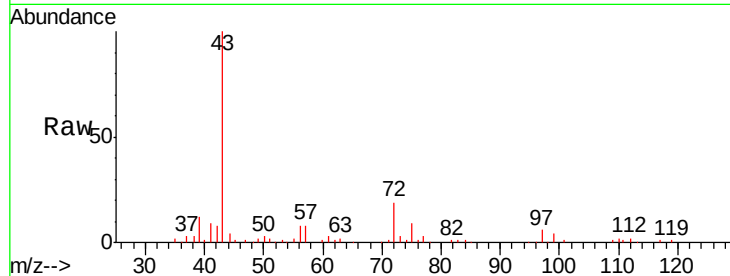
P001-SS001-0612-01MS

Tgt Ion: 43 Resp: 153637

Ion Ratio Lower Upper

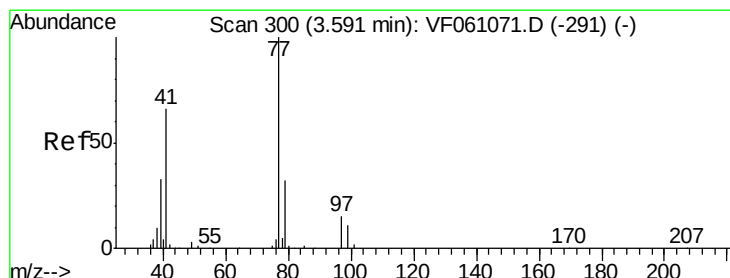
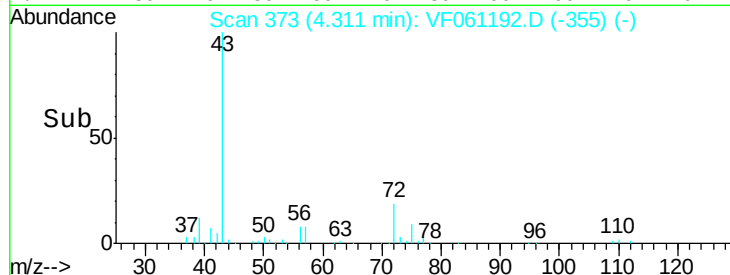
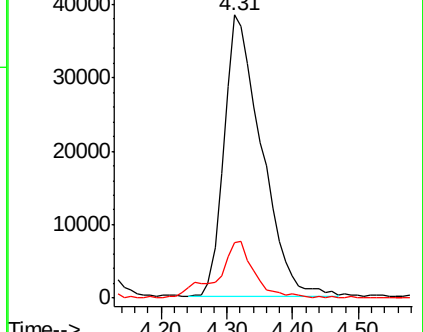
43 100

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: 50.093 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061192.D

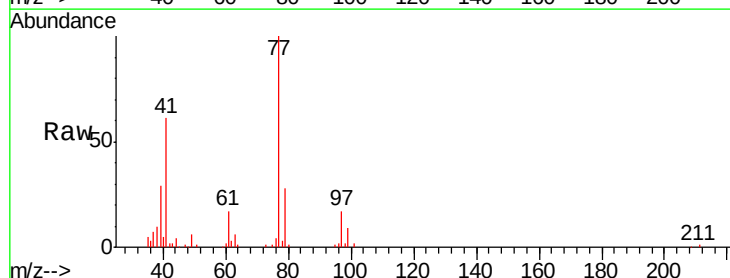
Acq: 26 Dec 2018 17:04

Tgt Ion: 77 Resp: 74815

Ion Ratio Lower Upper

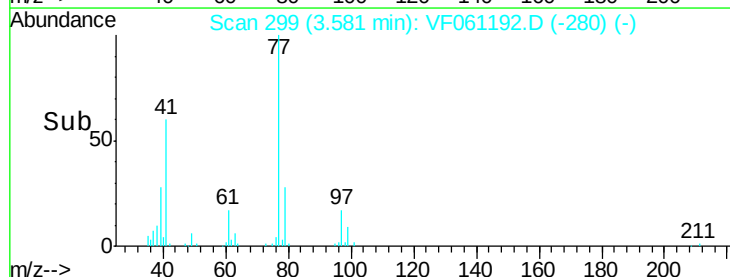
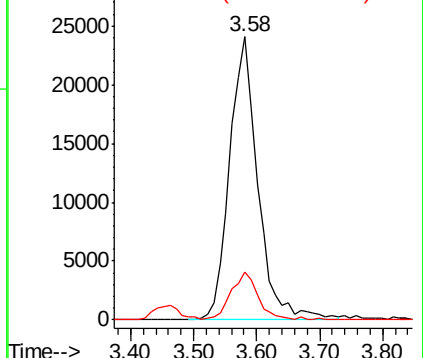
77 100

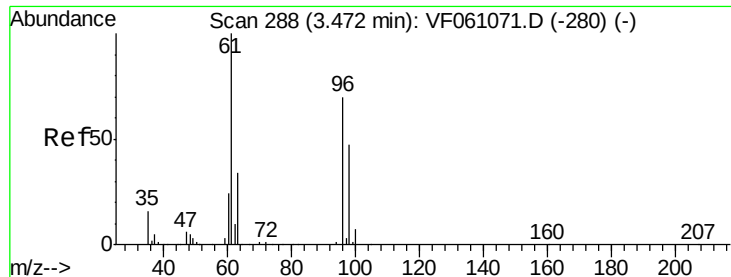
97 16.8 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



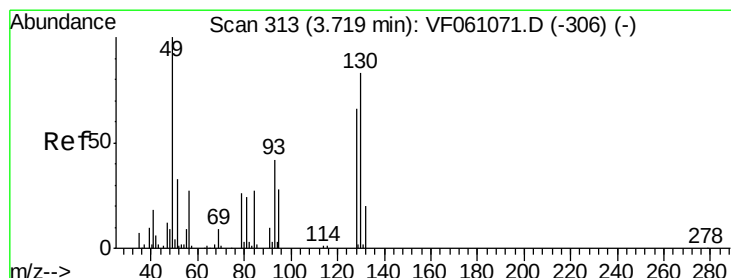
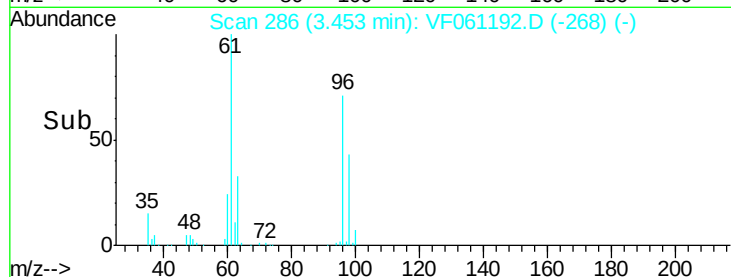
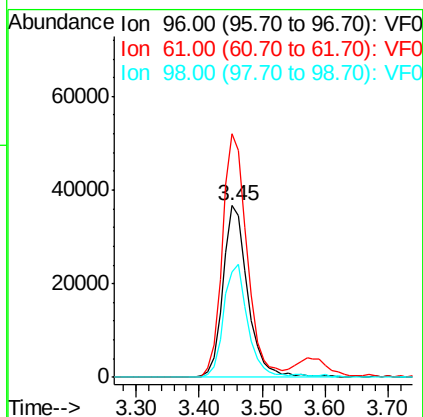
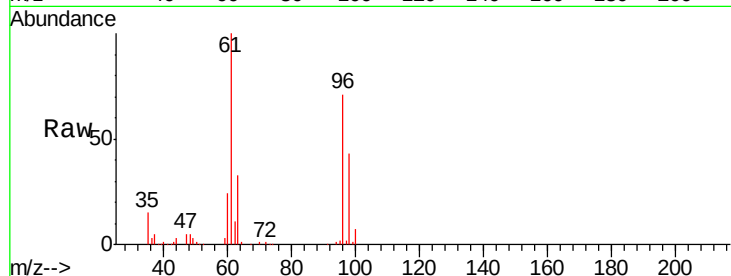


#27

cis-1,2-Dichloroethene
Concen: 48.406 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

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

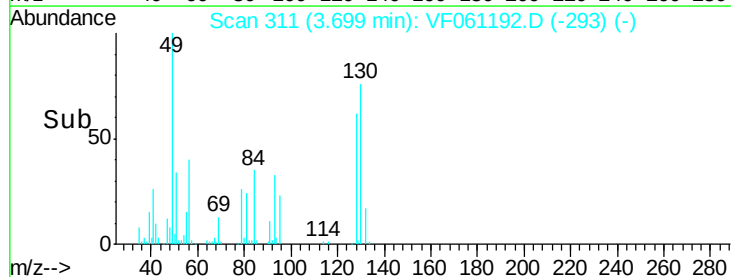
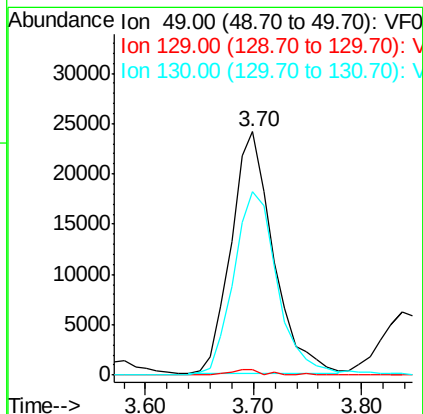
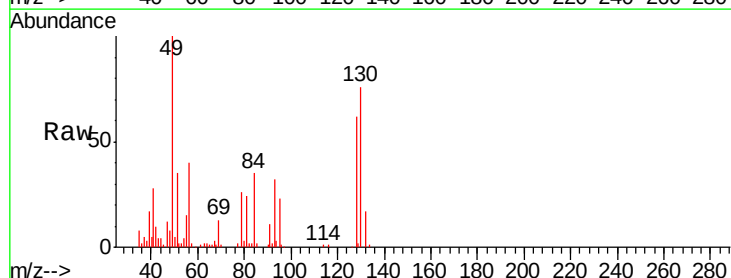
Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	287.8
98	61.4	0.0	134.2

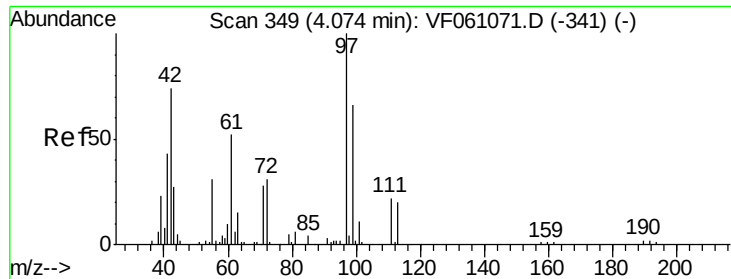


#28

Bromochloromethane
Concen: 49.410 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	75.6	65.8	98.6





#29

Tetrahydrofuran

Concen: 258.960 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

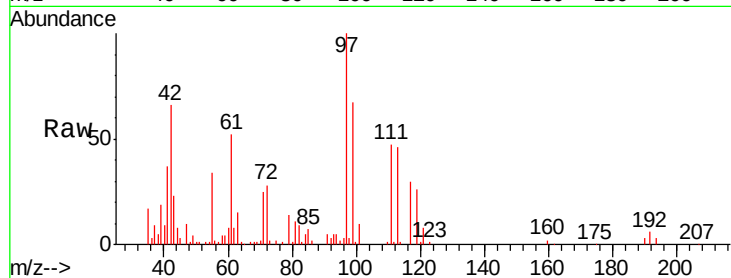
Tgt Ion: 42 Resp: 63179

Ion Ratio Lower Upper

42 100

72 39.5 31.8 47.8

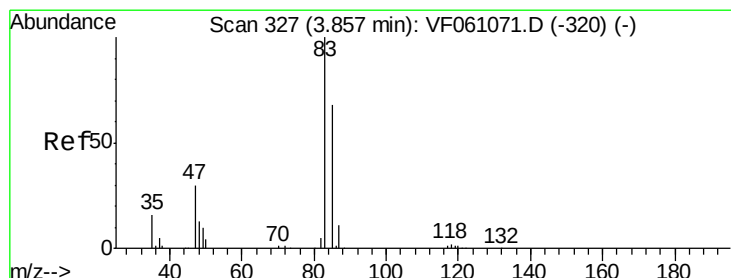
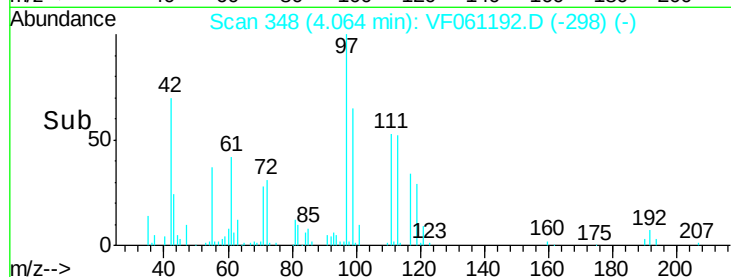
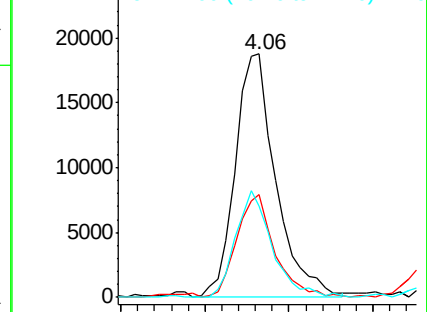
71 39.4 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 49.528 ug/l

RT: 3.84 min Scan# 325

Delta R.T. -0.02 min

Lab File: VF061192.D

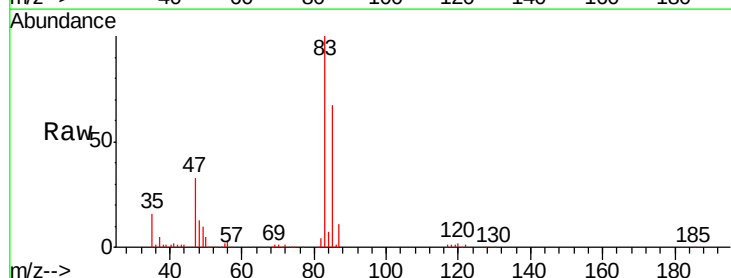
Acq: 26 Dec 2018 17:04

Tgt Ion: 83 Resp: 193272

Ion Ratio Lower Upper

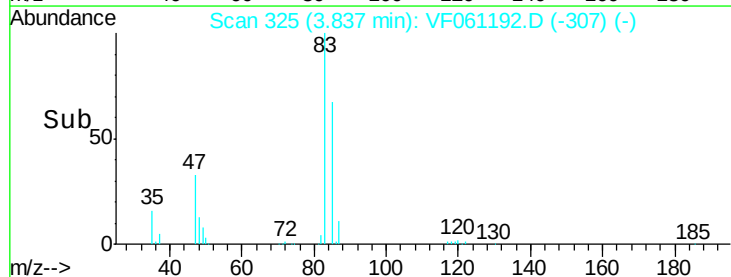
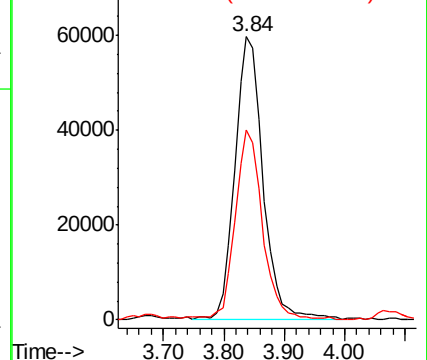
83 100

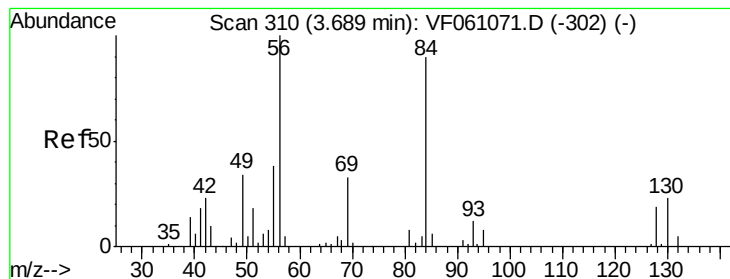
85 67.0 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 25.578 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

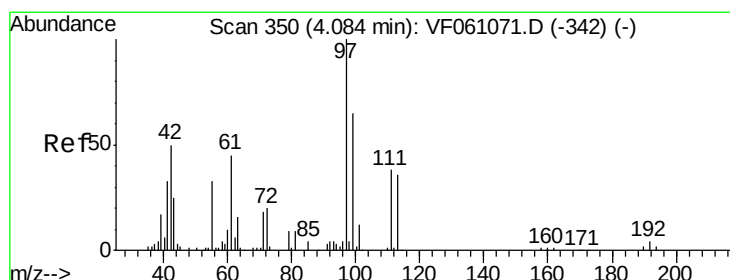
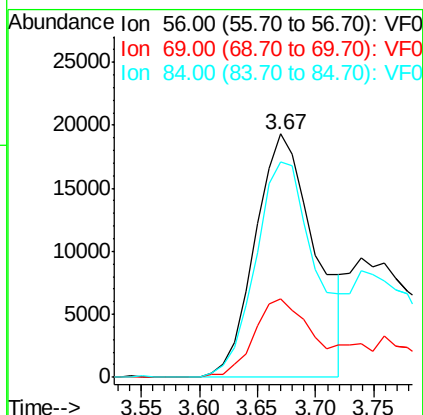
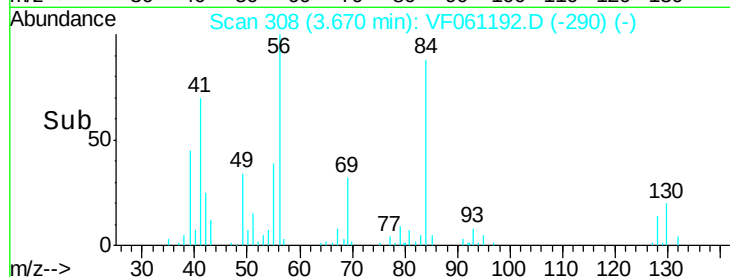
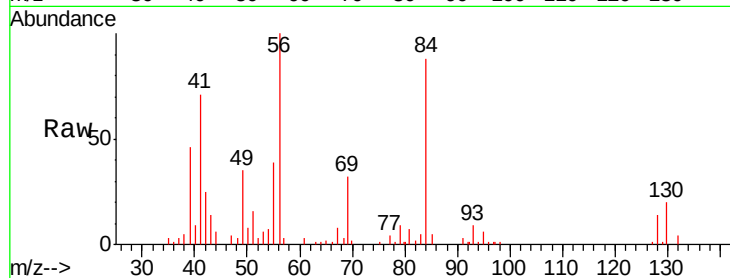
Tgt Ion: 56 Resp: 69075

Ion Ratio Lower Upper

56 100

69 32.4 26.0 39.0

84 88.4 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 47.510 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

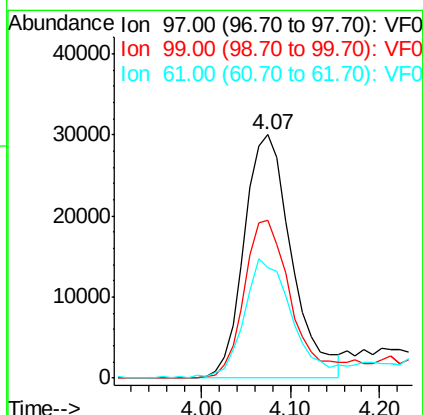
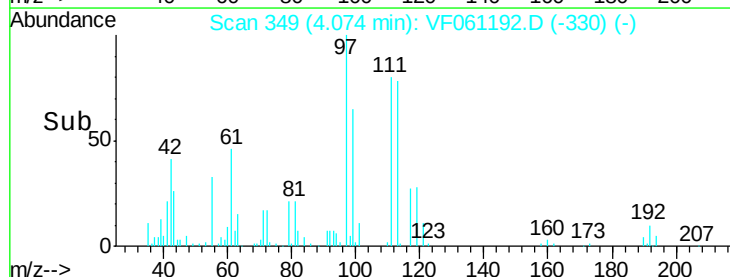
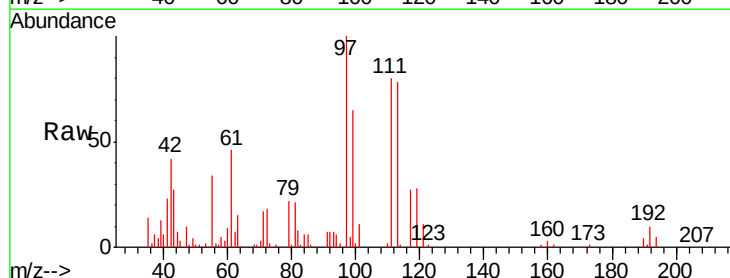
Tgt Ion: 97 Resp: 111124

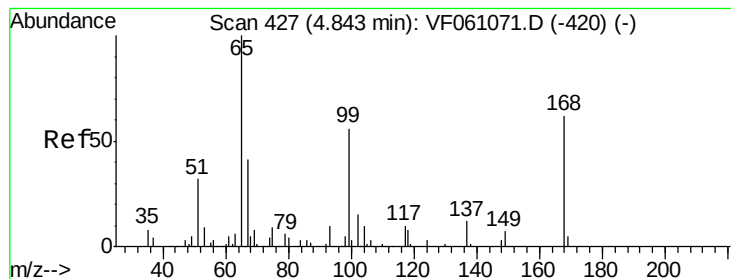
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 45.6 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 56.694 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

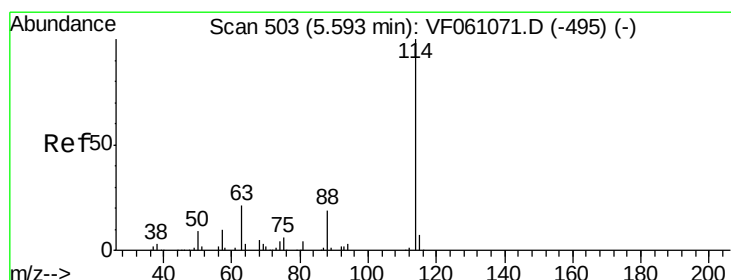
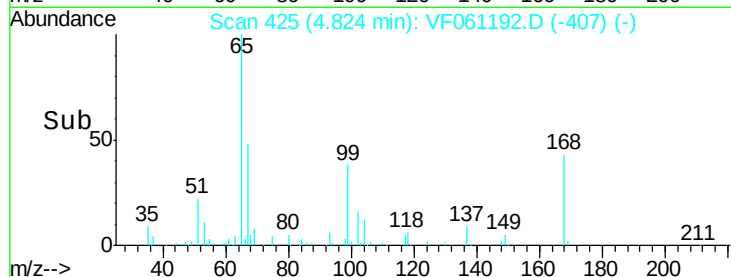
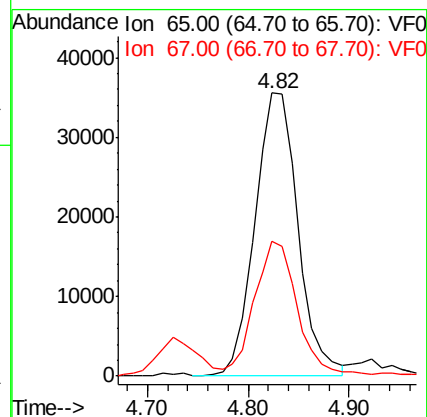
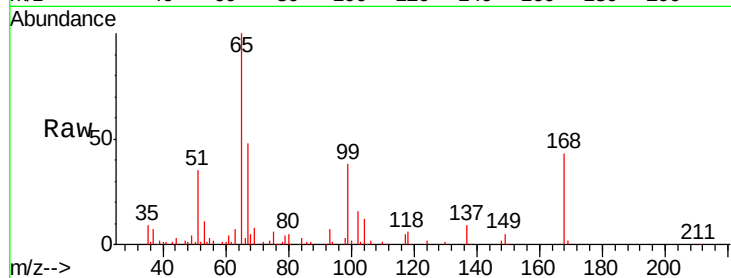
P001-SS001-0612-01MS

Tgt Ion: 65 Resp: 104818

Ion Ratio Lower Upper

65 100

67 47.8 0.0 94.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

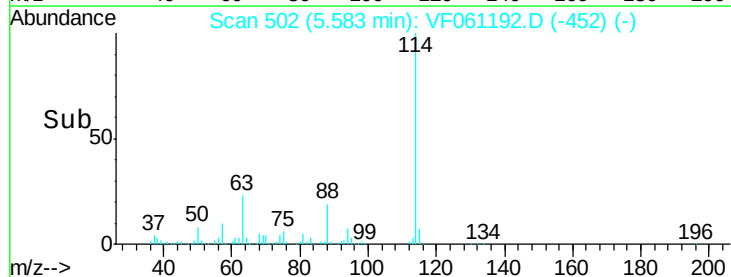
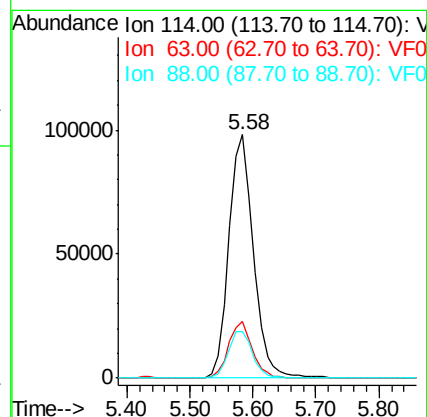
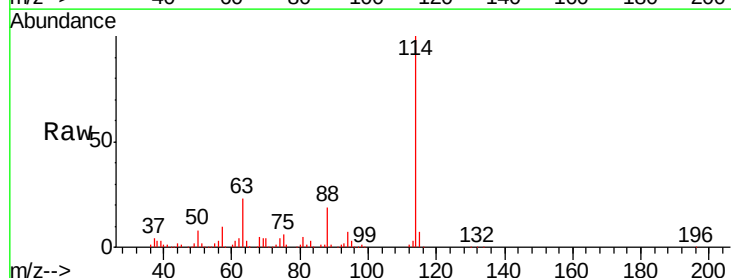
Tgt Ion: 114 Resp: 266085

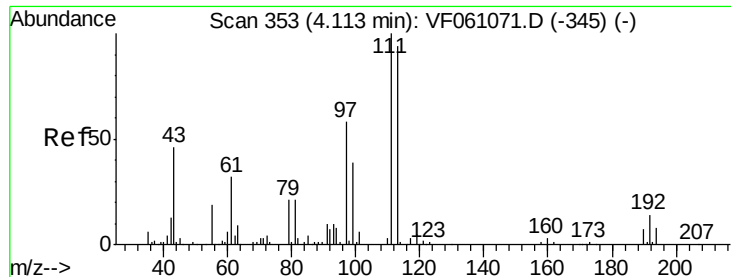
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.6

88 19.1 0.0 38.0





#35

Dibromofluoromethane

Concen: 53.523 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

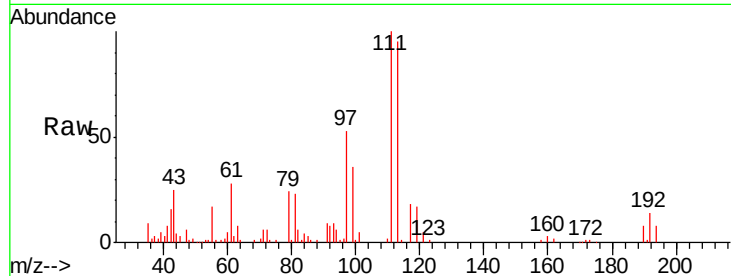
Tgt Ion: 113 Resp: 114083

Ion Ratio Lower Upper

113 100

111 105.6 85.2 127.8

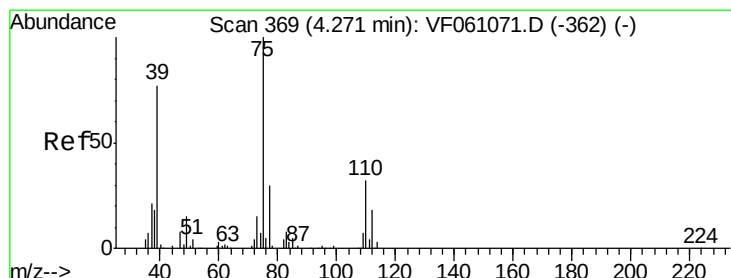
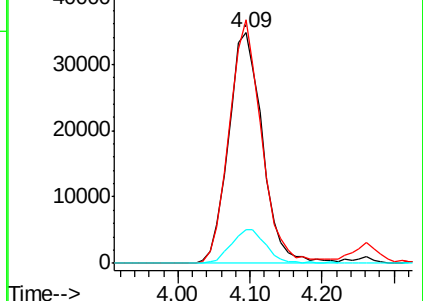
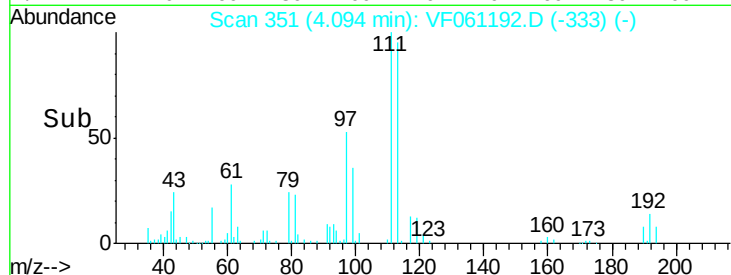
192 14.7 12.8 19.2



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: 41.762 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

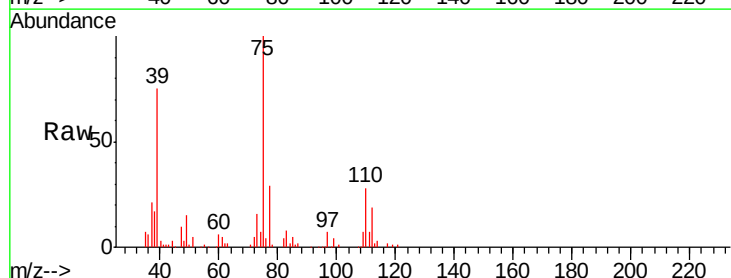
Tgt Ion: 75 Resp: 134133

Ion Ratio Lower Upper

75 100

110 28.2 16.1 48.2

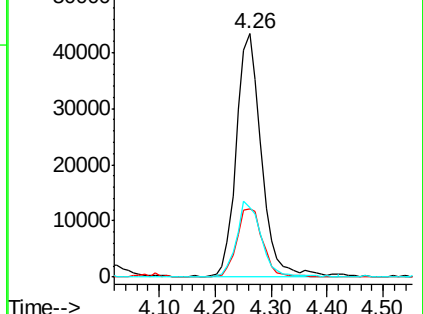
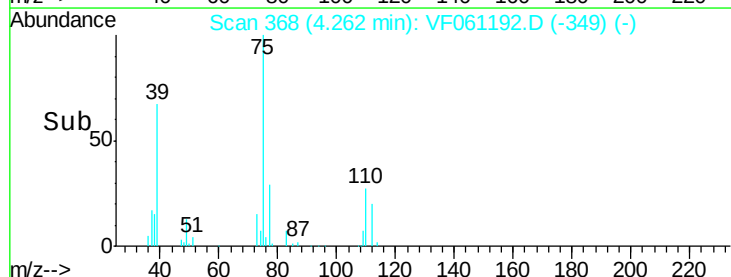
77 28.7 24.5 36.7

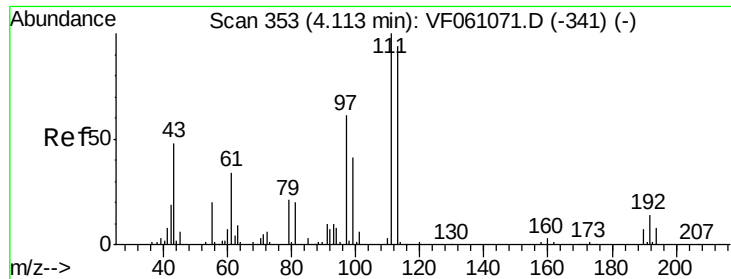


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

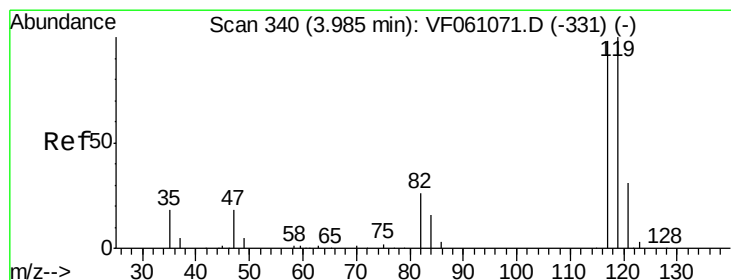
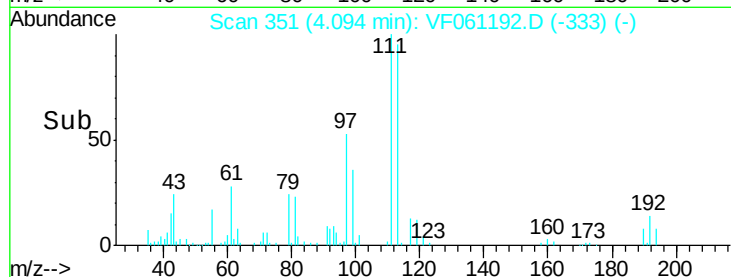
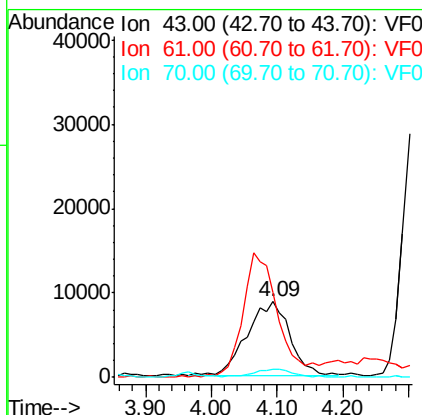
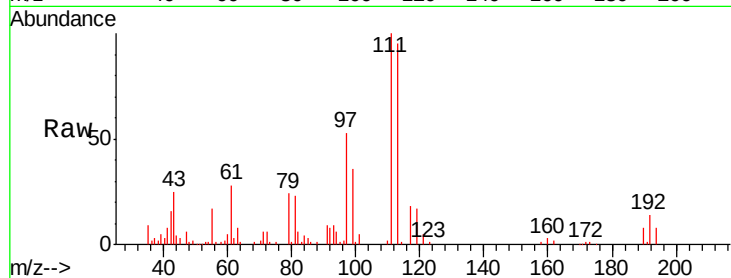




#37
Ethyl Acetate
Concen: 29.512 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

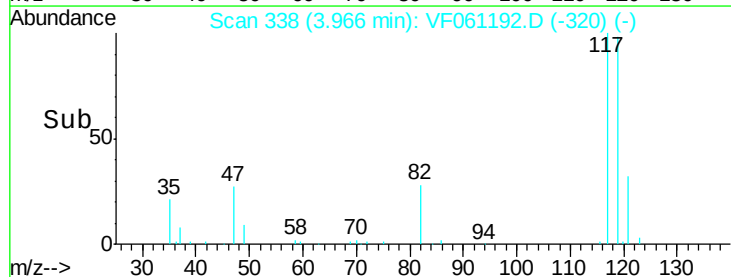
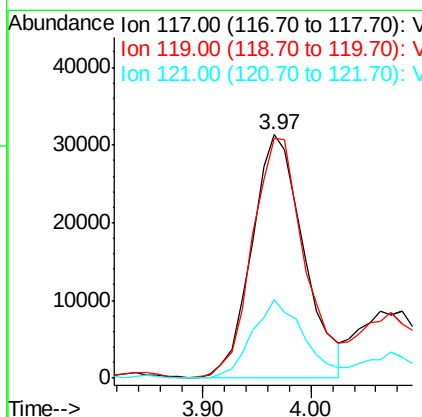
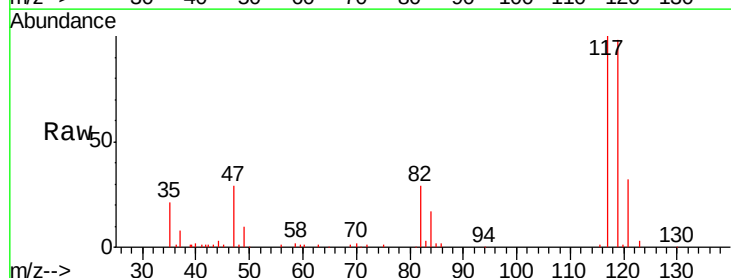
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

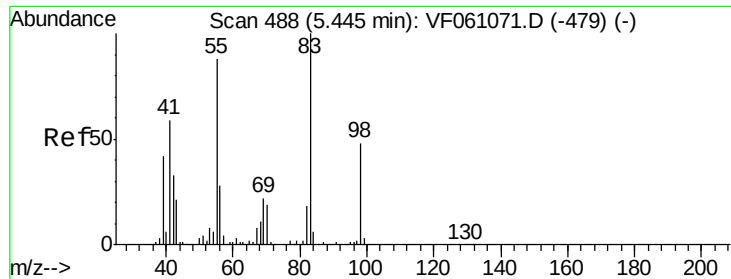
Tgt Ion: 43 Resp: 39564
Ion Ratio Lower Upper
43 100
61 112.3 56.6 84.8#
70 9.9 6.3 9.5#



#38
Carbon Tetrachloride
Concen: 42.457 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 117 Resp: 103848
Ion Ratio Lower Upper
117 100
119 98.3 82.1 123.1
121 32.0 25.5 38.3

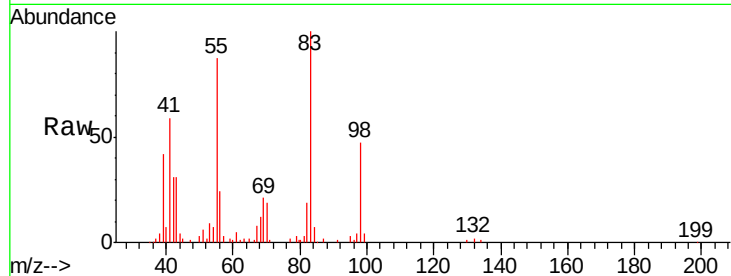




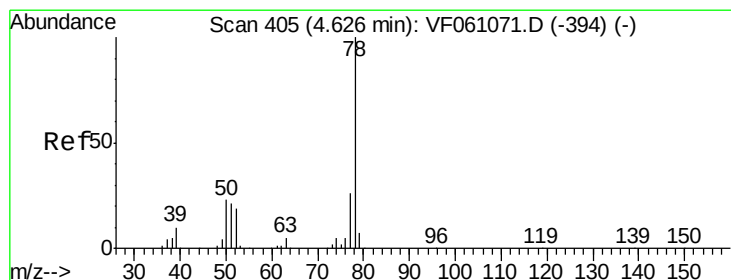
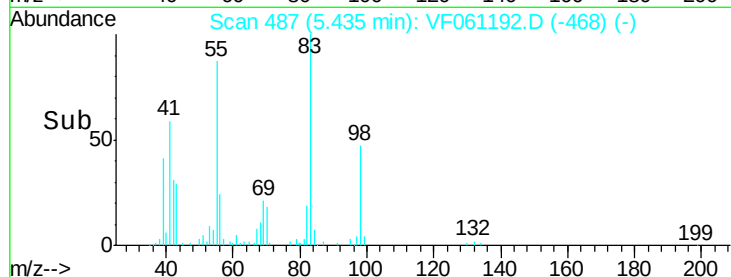
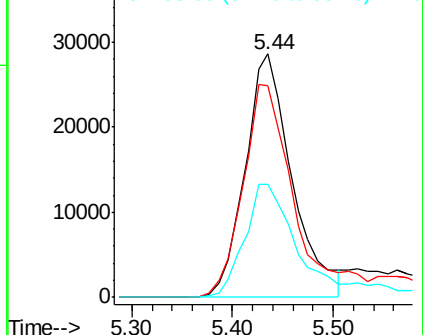
#39
Methylcyclohexane
Concen: 32.237 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

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

Tgt Ion: 83 Resp: 92890
Ion Ratio Lower Upper
83 100
55 87.2 70.6 105.8
98 46.6 38.5 57.7

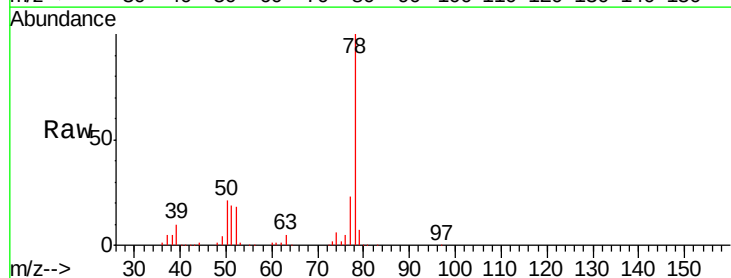


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

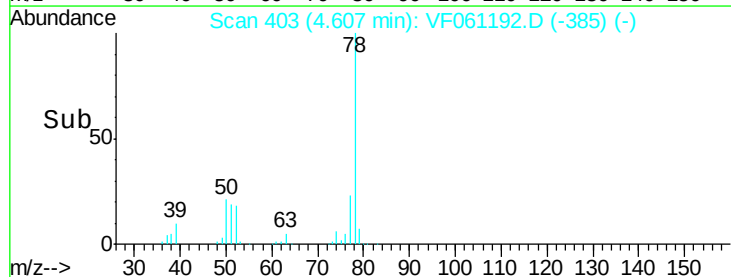
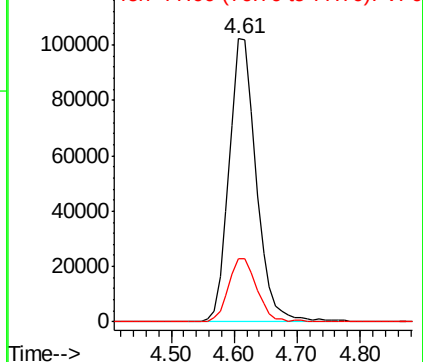


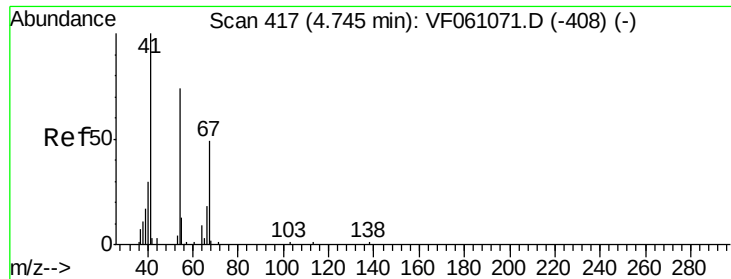
#40
Benzene
Concen: 44.155 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 78 Resp: 304982
Ion Ratio Lower Upper
78 100
77 22.5 20.7 31.1



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

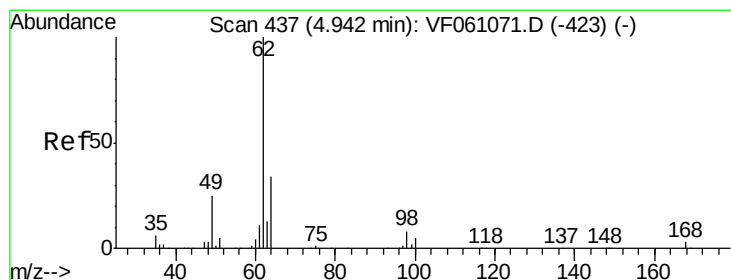
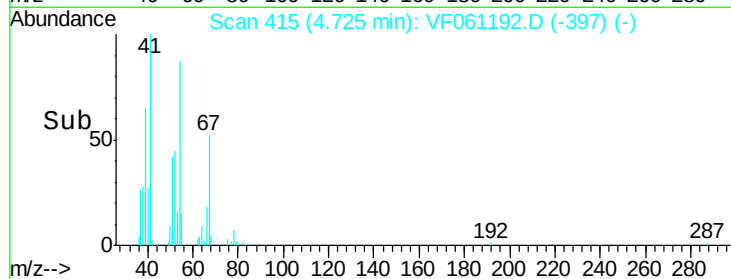
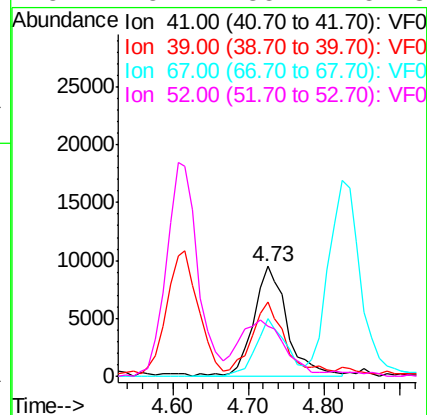
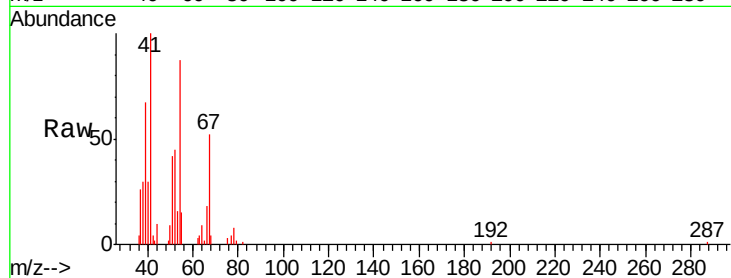




#41
Methacrylonitrile
Concen: 43.265 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

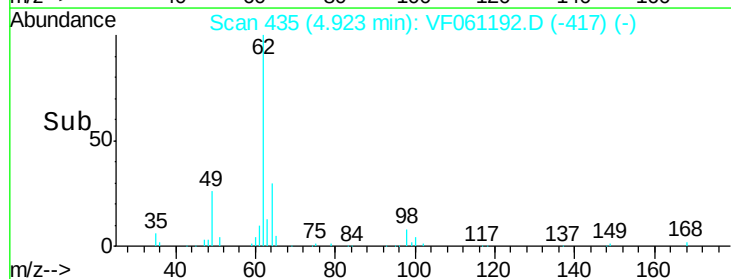
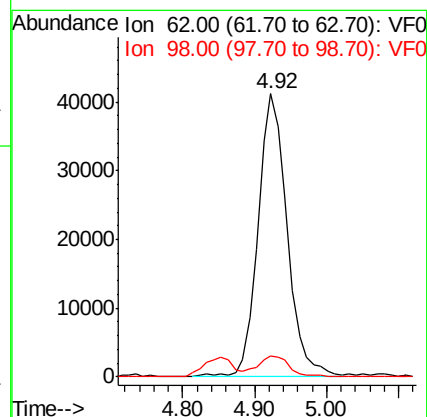
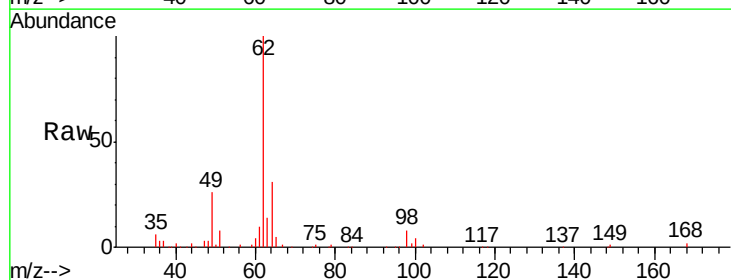
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

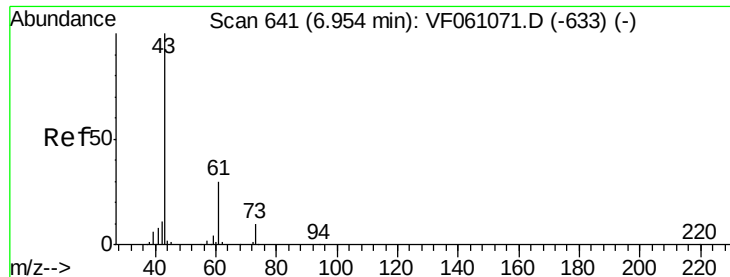
Tgt Ion:	41	Resp:	29347
Ion	Ratio	Lower	Upper
41	100		
39	67.2	45.7	68.5
67	52.1	38.9	58.3
52	45.1	35.2	52.8



#42
1,2-Dichloroethane
Concen: 44.245 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion:	62	Resp:	116094
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 25.182 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

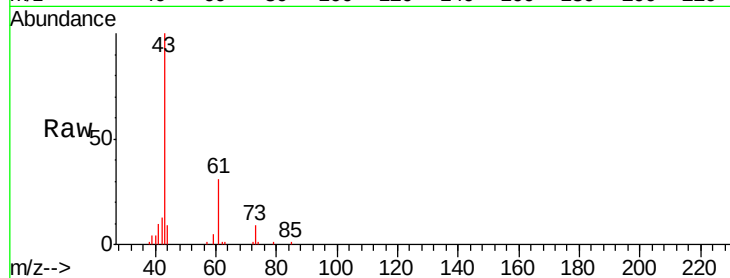
Tgt Ion: 43 Resp: 39053

Ion Ratio Lower Upper

43 100

61 31.0 23.8 35.8

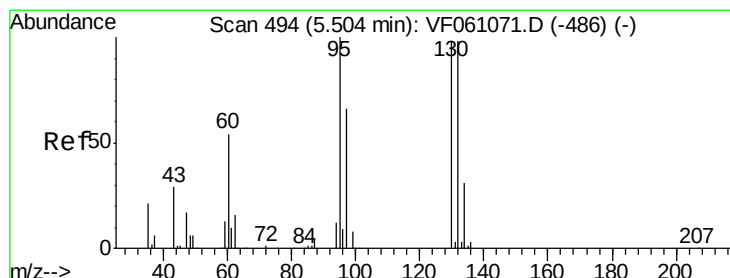
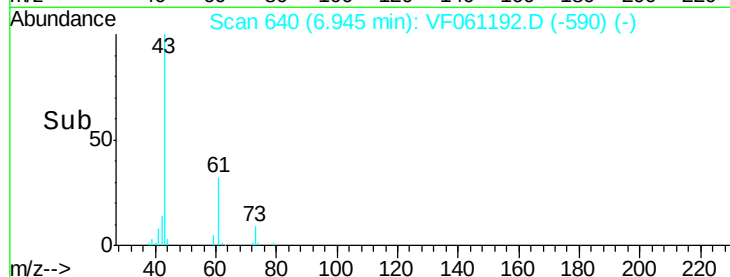
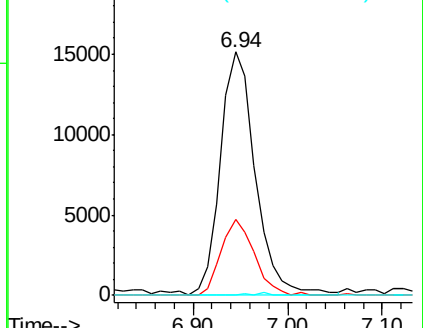
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 42.330 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061192.D

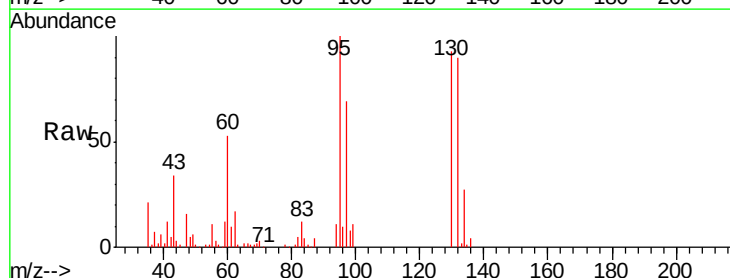
Acq: 26 Dec 2018 17:04

Tgt Ion: 130 Resp: 92178

Ion Ratio Lower Upper

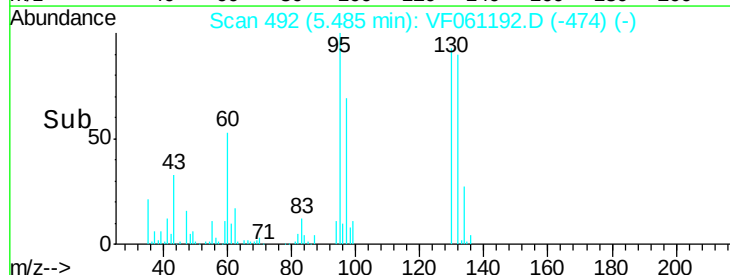
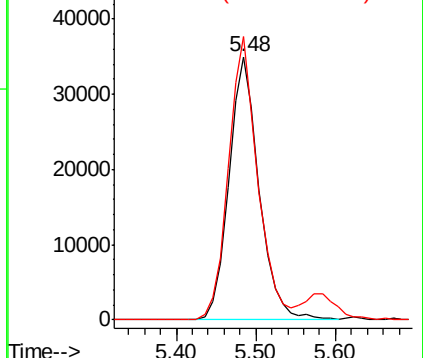
130 100

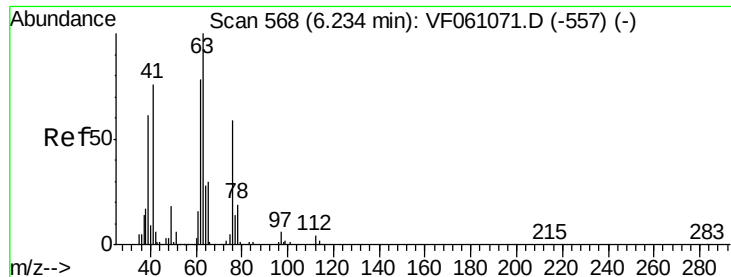
95 107.7 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

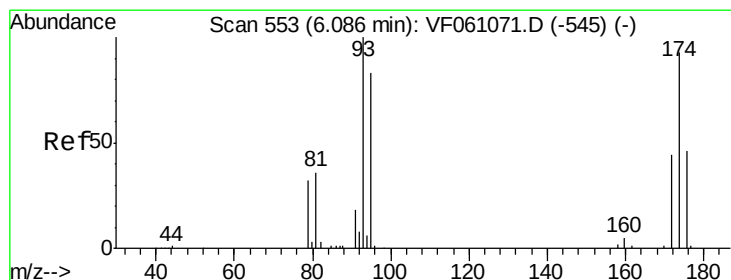
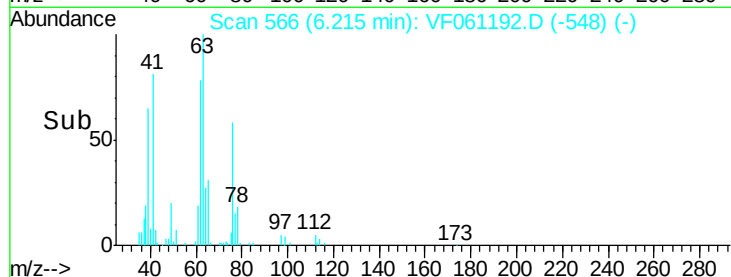
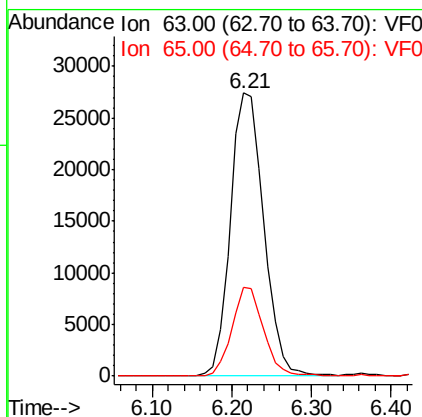
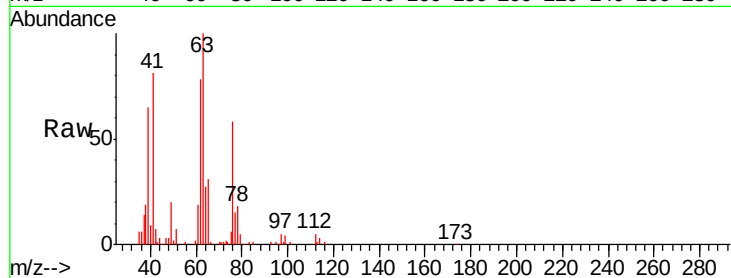




#45
 1,2-Dichloropropane
 Concen: 42.597 ug/l
 RT: 6.21 min Scan# 566
 Delta R.T. -0.02 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

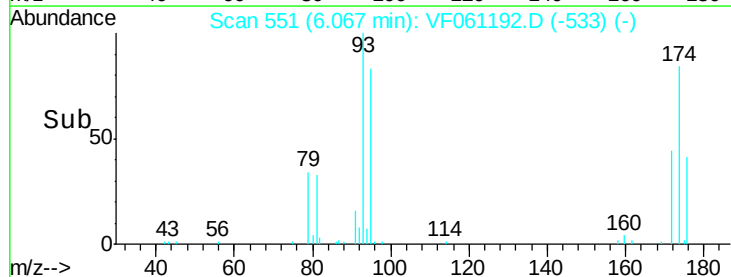
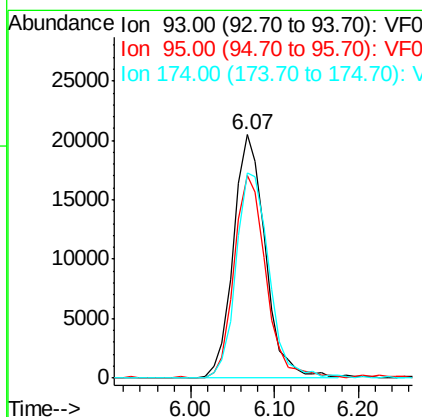
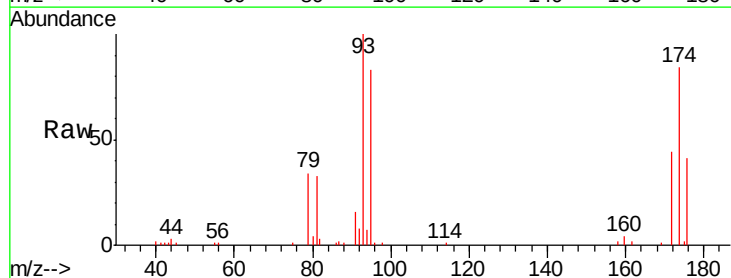
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

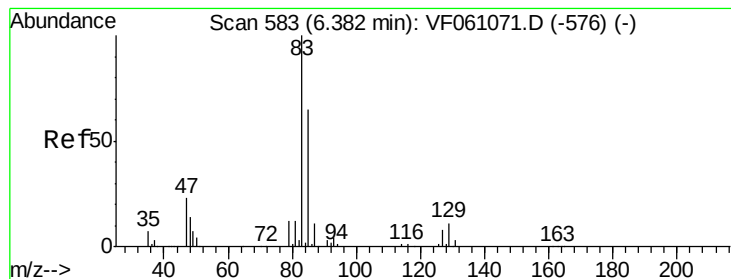
Tgt Ion: 63 Resp: 80048
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.4 36.6



#46
 Dibromomethane
 Concen: 44.465 ug/l
 RT: 6.07 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion: 93 Resp: 54195
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.9 100.3
 174 84.5 74.1 111.1





#47

Bromodichloromethane

Concen: 44.451 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

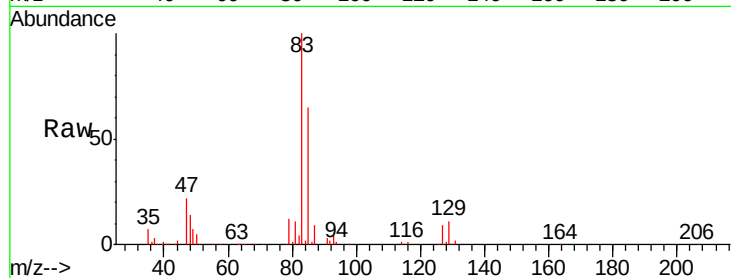
Tgt Ion: 83 Resp: 140768

Ion Ratio Lower Upper

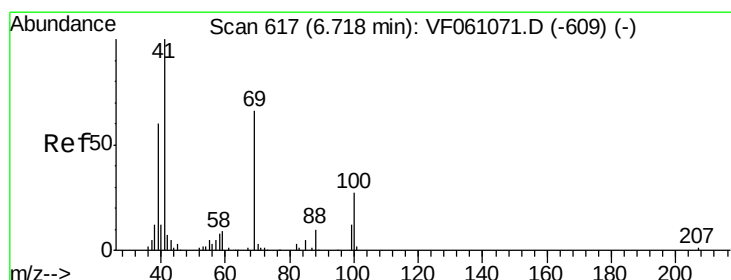
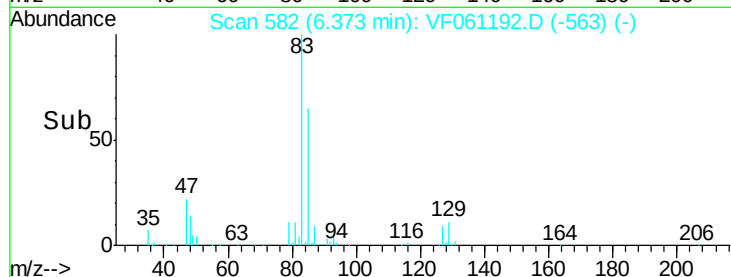
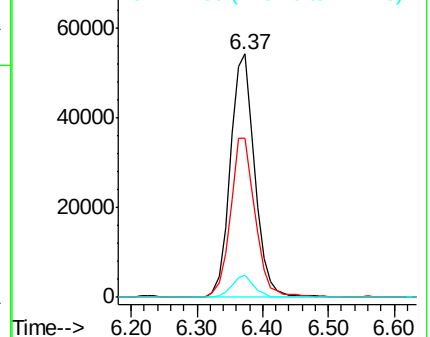
83 100

85 65.2 52.2 78.4

127 9.1 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 47.606 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

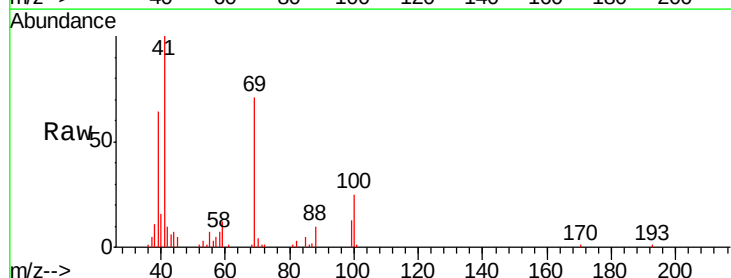
Tgt Ion: 41 Resp: 51540

Ion Ratio Lower Upper

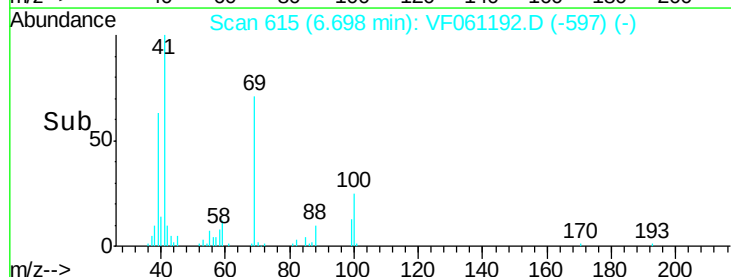
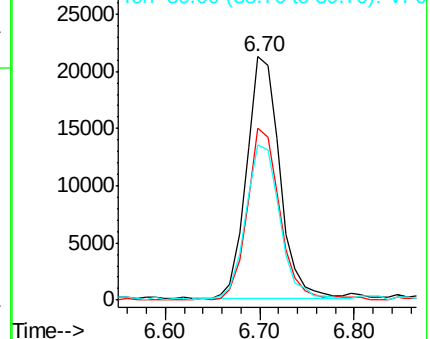
41 100

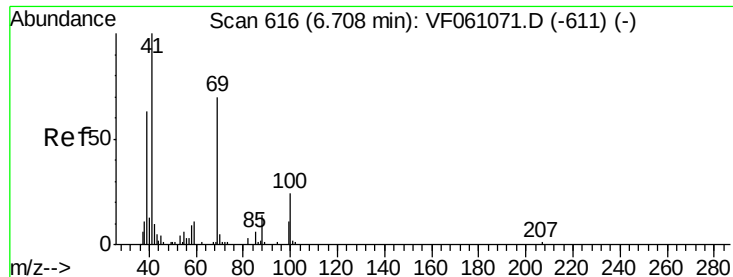
69 70.6 52.7 79.1

39 63.6 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

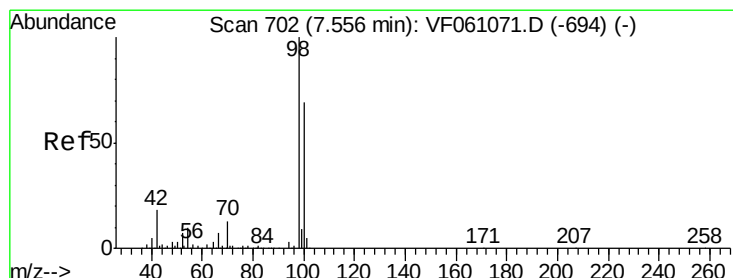
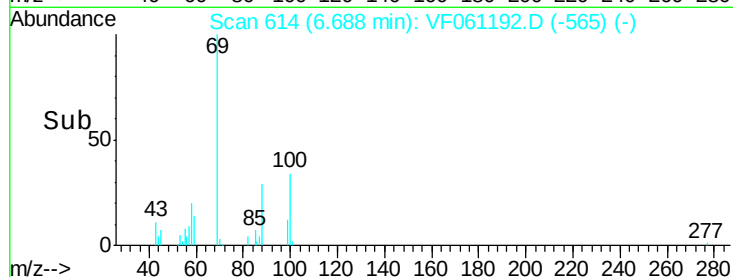
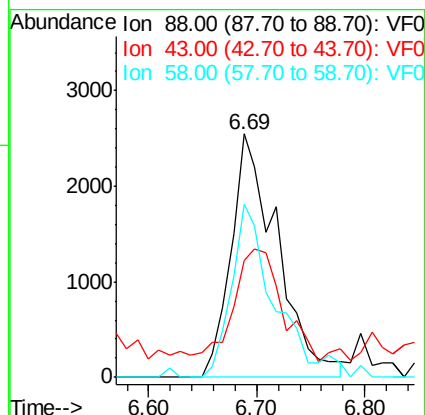
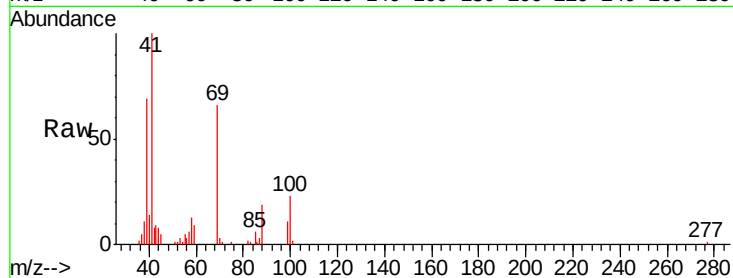




#49
1,4-Dioxane
Concen: 970.001 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

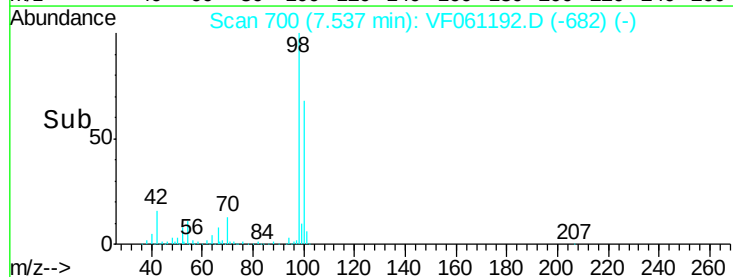
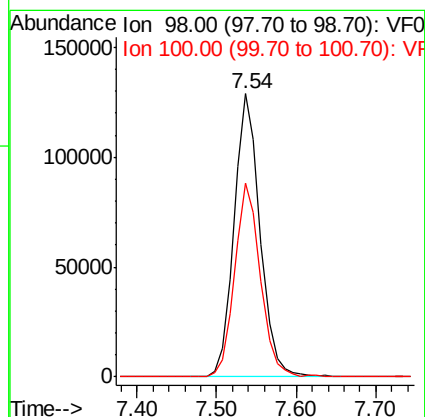
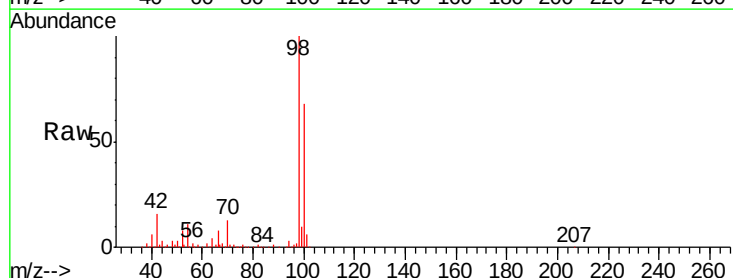
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

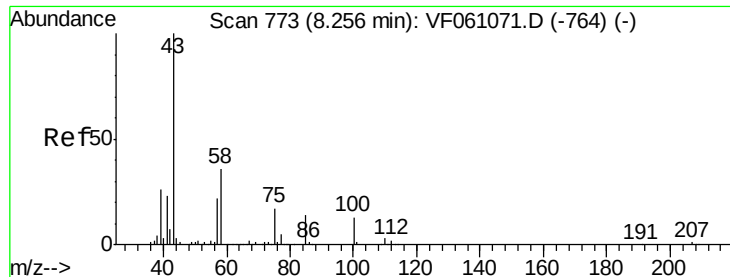
Tgt Ion: 88 Resp: 7620
Ion Ratio Lower Upper
88 100
43 48.2 33.3 49.9
58 70.9 53.2 79.8



#50
Toluene-d8
Concen: 48.521 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 98 Resp: 293088
Ion Ratio Lower Upper
98 100
100 68.5 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 244.545 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

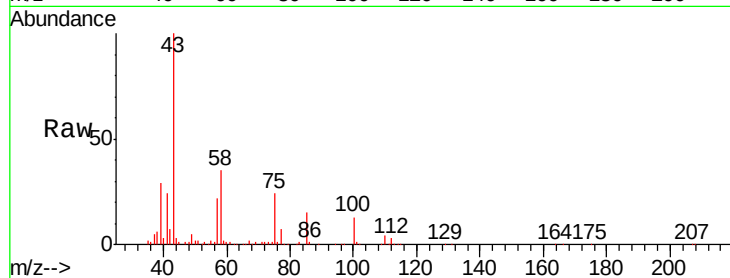
P001-SS001-0612-01MS

Tgt Ion: 43 Resp: 260097

Ion Ratio Lower Upper

43 100

58 35.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

120000

100000

80000

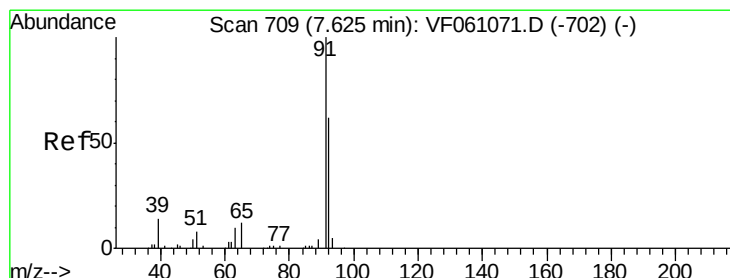
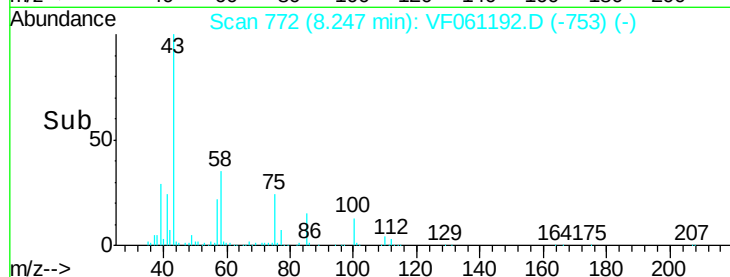
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 39.404 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061192.D

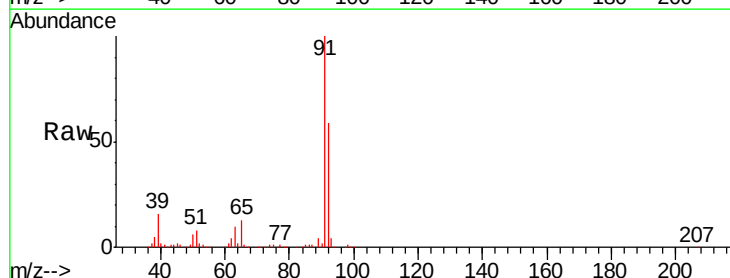
Acq: 26 Dec 2018 17:04

Tgt Ion: 92 Resp: 180160

Ion Ratio Lower Upper

92 100

91 169.1 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

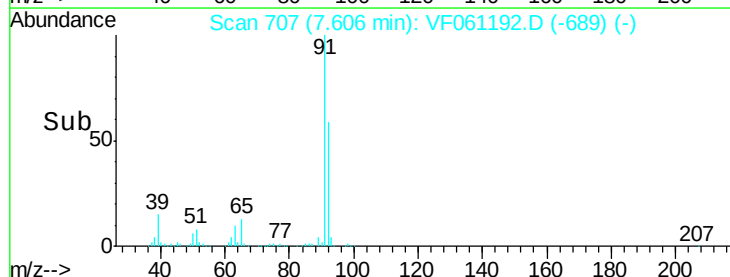
150000

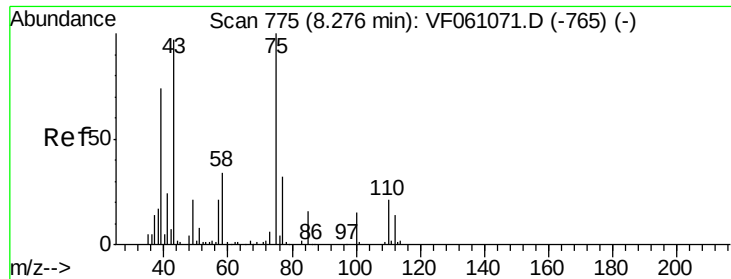
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.153 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

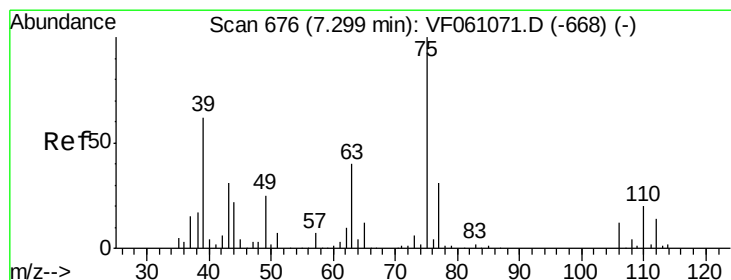
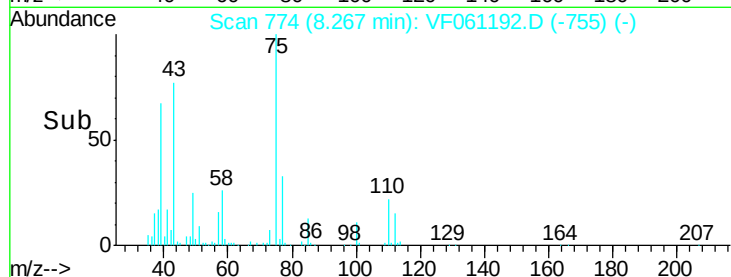
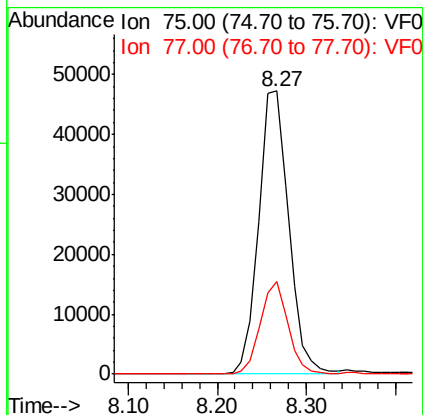
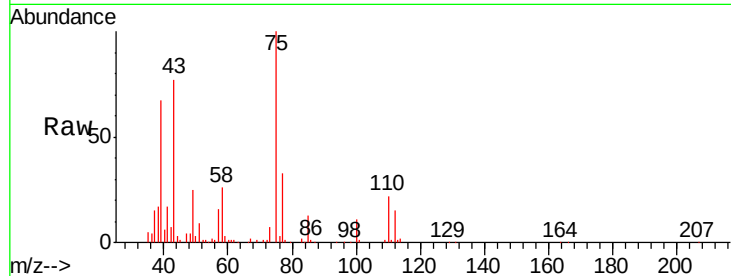
P001-SS001-0612-01MS

Tgt Ion: 75 Resp: 110243

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 44.166 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

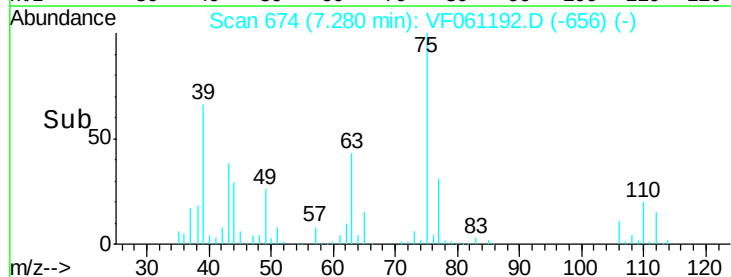
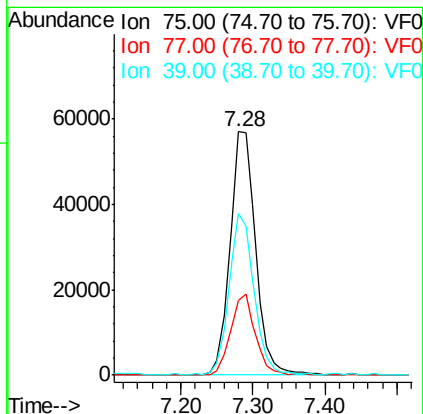
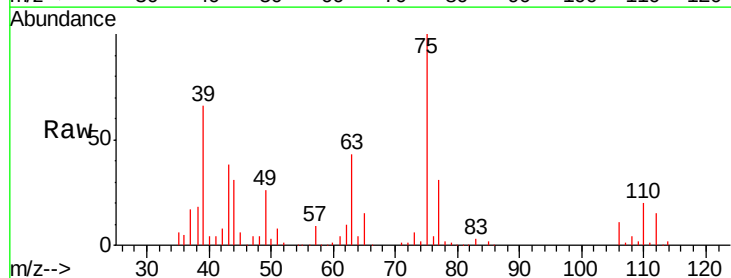
Tgt Ion: 75 Resp: 141609

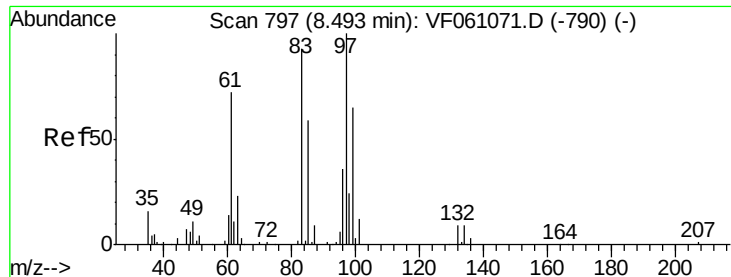
Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.4

39 66.5 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 44.705 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tgt Ion: 97 Resp: 61275

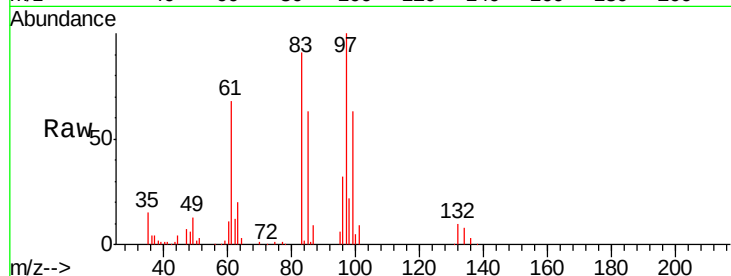
Ion Ratio Lower Upper

97 100

83 91.3 75.0 112.4

85 62.5 47.5 71.3

99 63.1 51.9 77.9

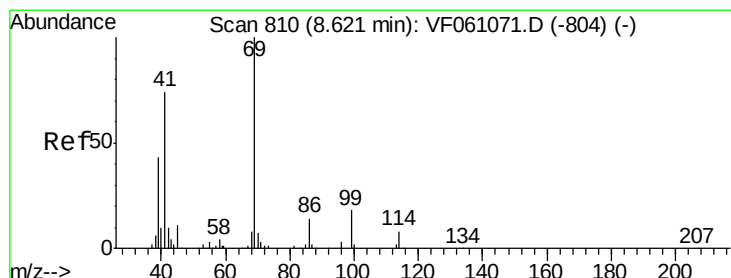
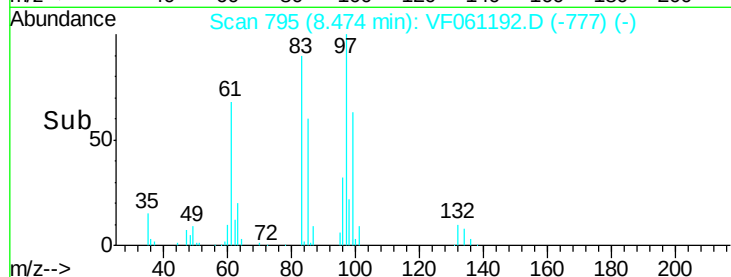
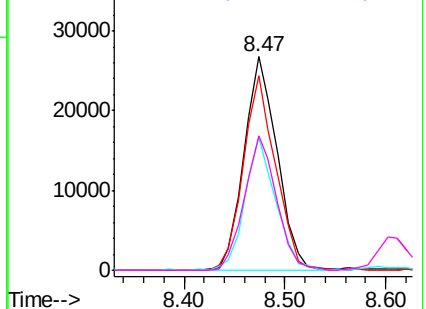


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 30.974 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

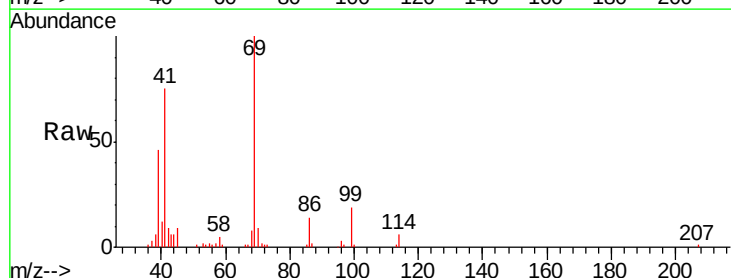
Tgt Ion: 69 Resp: 45939

Ion Ratio Lower Upper

69 100

41 75.1 59.7 89.5

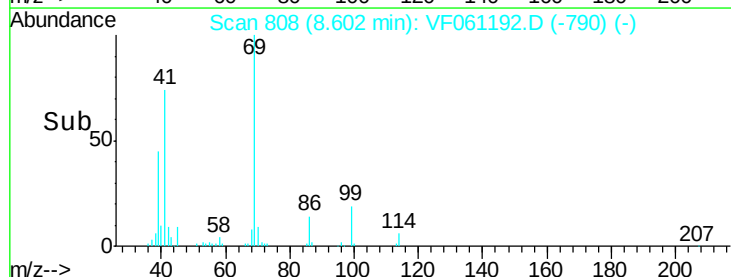
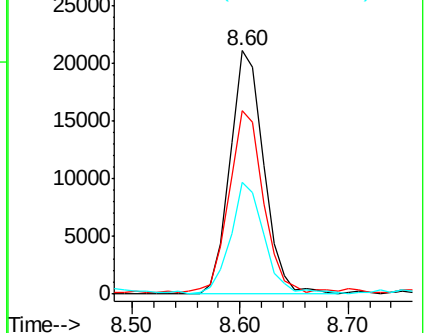
39 46.0 35.0 52.6

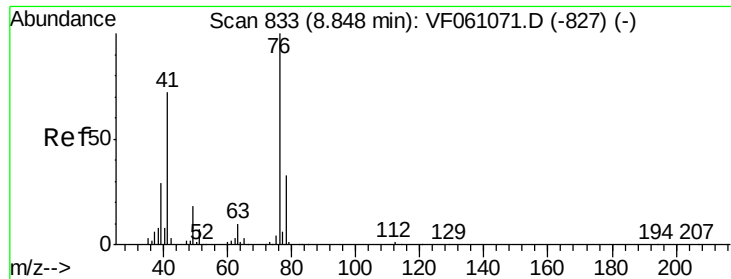


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 43.729 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

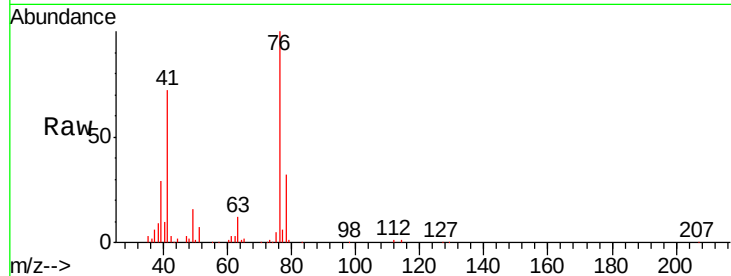
P001-SS001-0612-01MS

Tgt Ion: 76 Resp: 108404

Ion Ratio Lower Upper

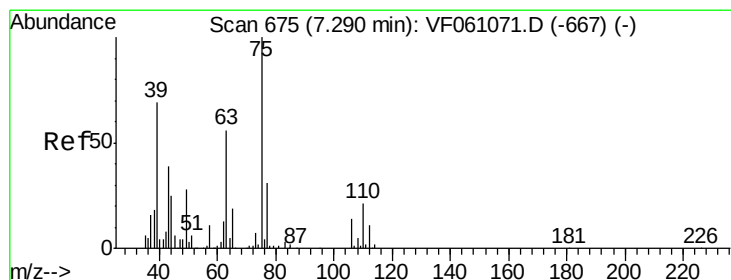
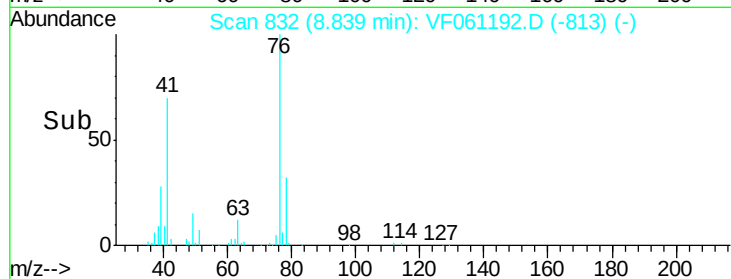
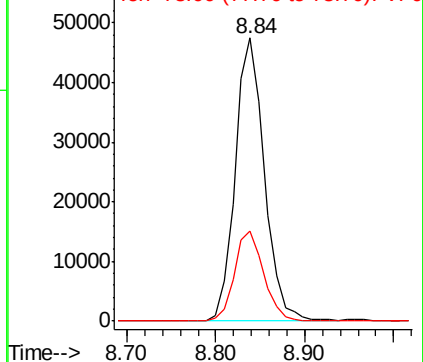
76 100

78 31.6 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 202.384 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061192.D

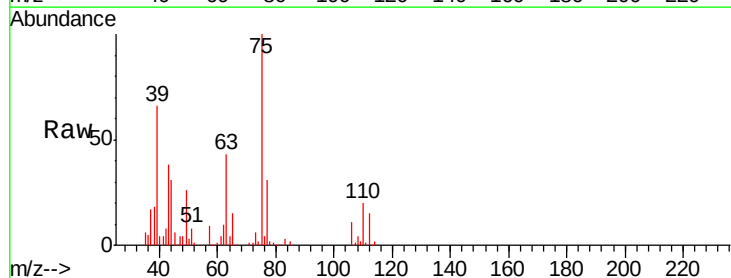
Acq: 26 Dec 2018 17:04

Tgt Ion: 63 Resp: 57649

Ion Ratio Lower Upper

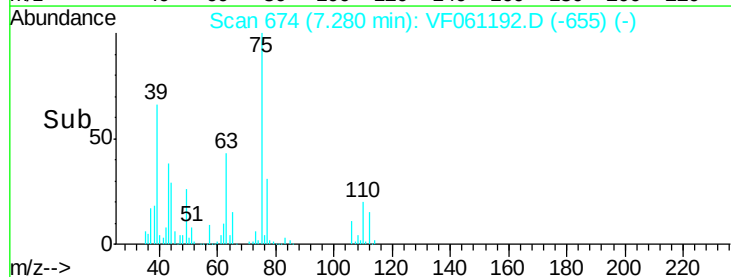
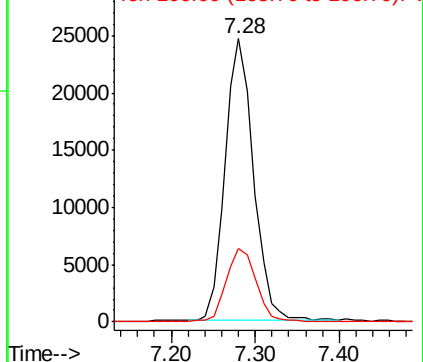
63 100

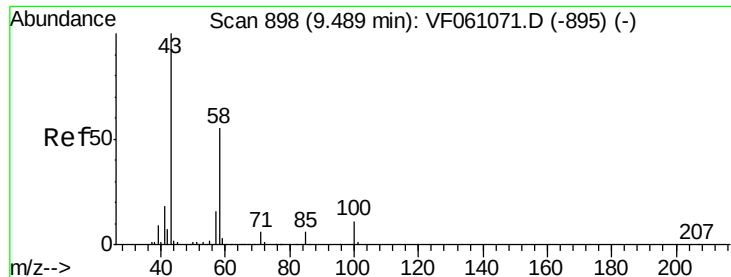
106 25.9 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

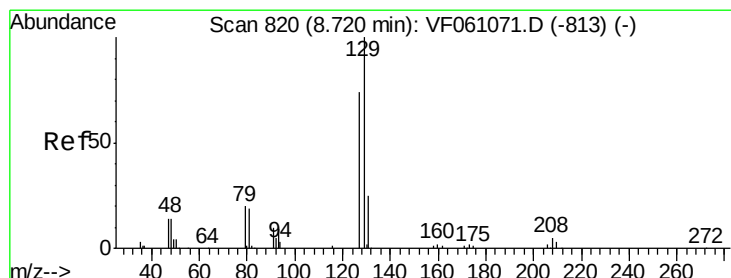
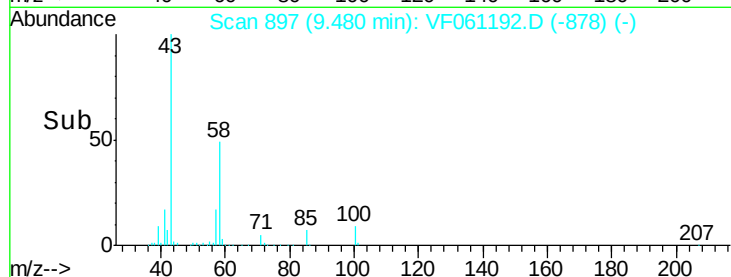
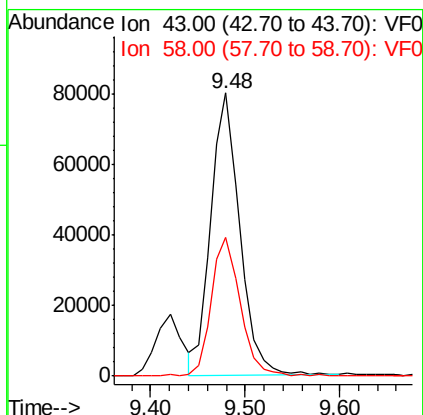
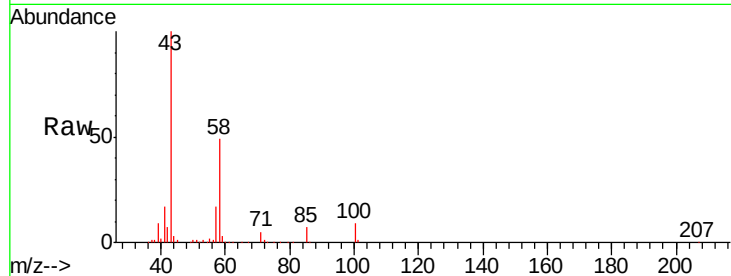




#59
2-Hexanone
Concen: 220.917 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

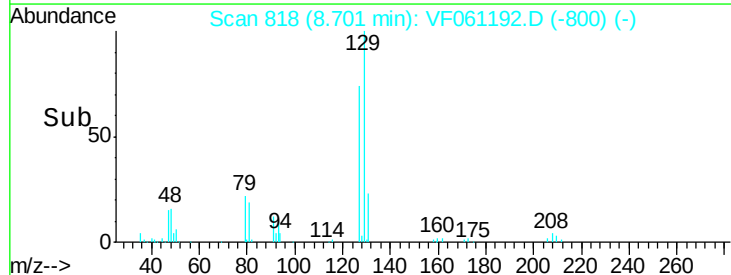
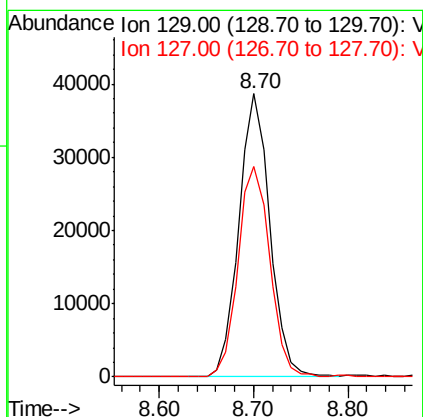
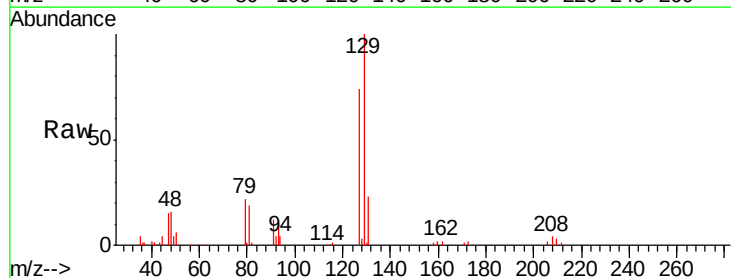
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

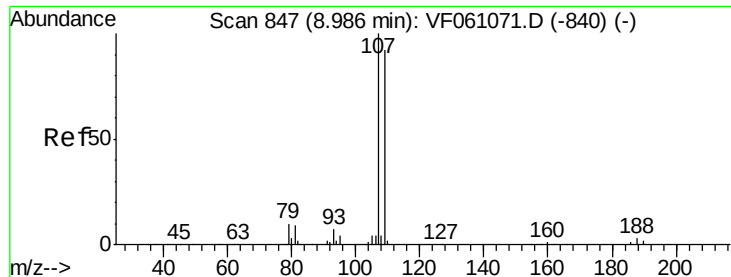
Tgt Ion: 43 Resp: 169922
Ion Ratio Lower Upper
43 100
58 49.0 25.1 75.2



#60
Dibromochloromethane
Concen: 44.685 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 129 Resp: 87797
Ion Ratio Lower Upper
129 100
127 74.1 36.8 110.3





#61

1,2-Dibromoethane

Concen: 44.962 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

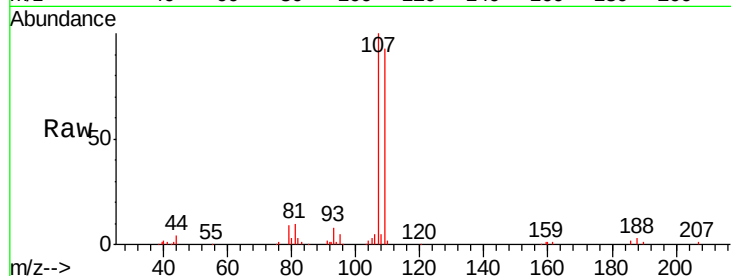
P001-SS001-0612-01MS

Tgt Ion: 107 Resp: 65817

Ion Ratio Lower Upper

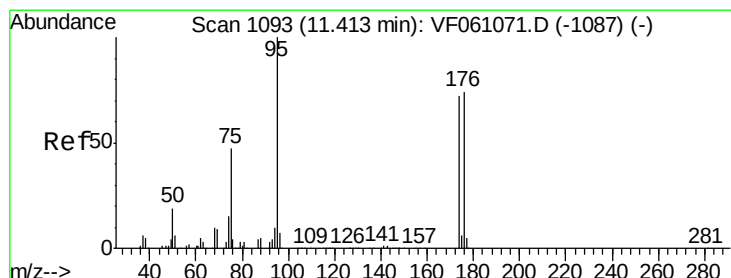
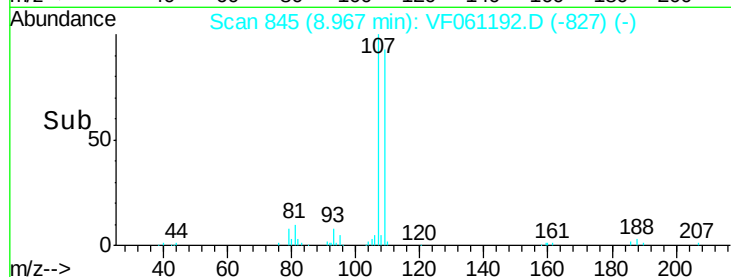
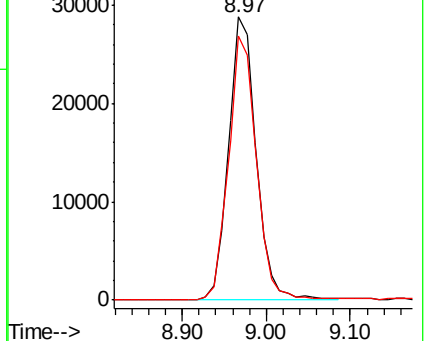
107 100

109 93.3 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: 43.911 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

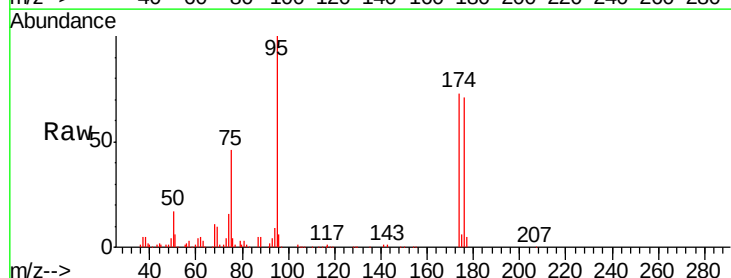
Tgt Ion: 95 Resp: 122279

Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.8

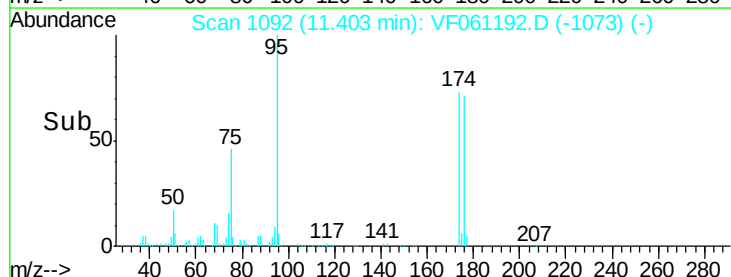
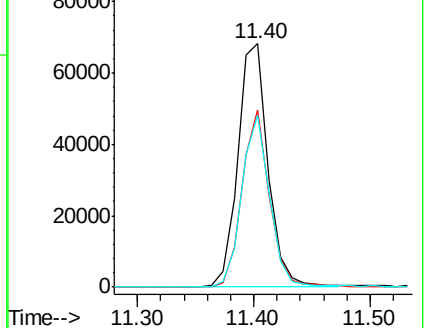
176 70.5 0.0 147.6

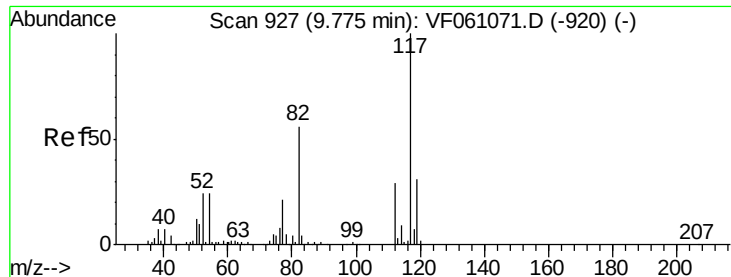


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

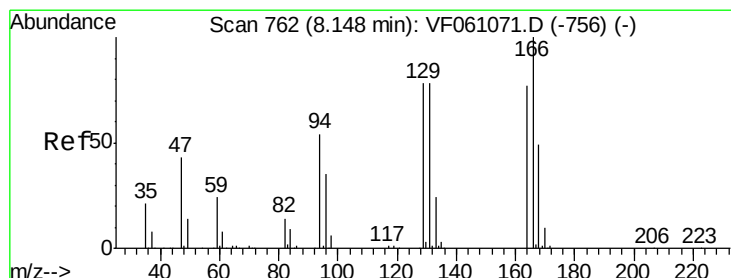
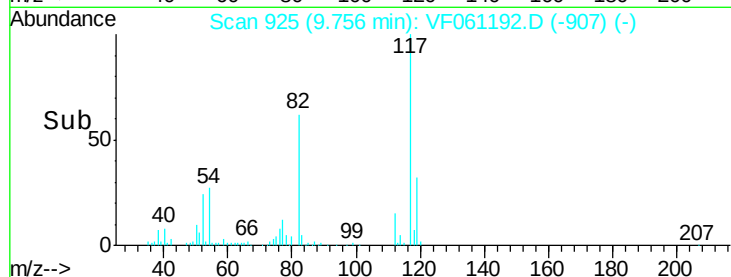
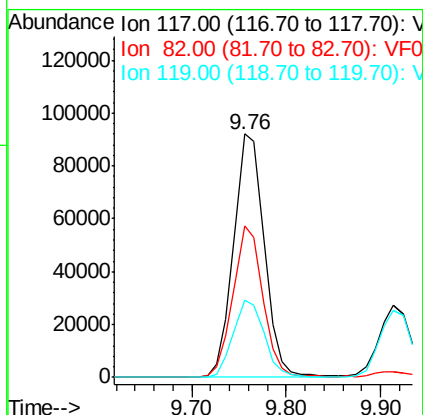
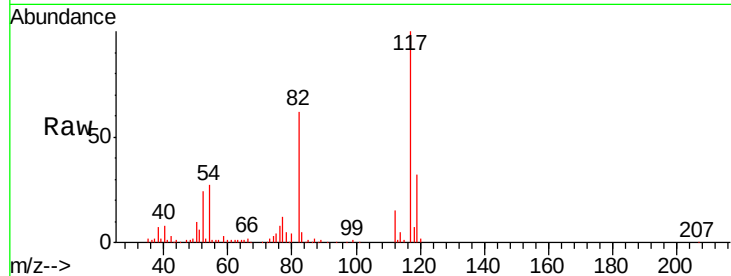




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

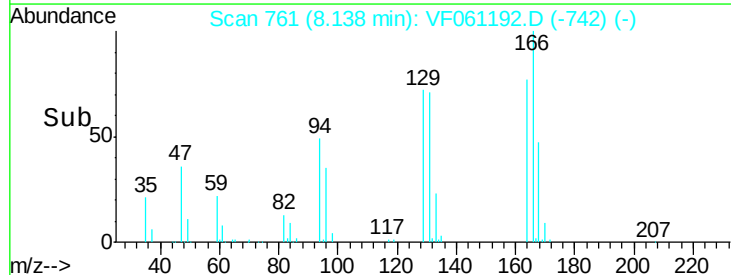
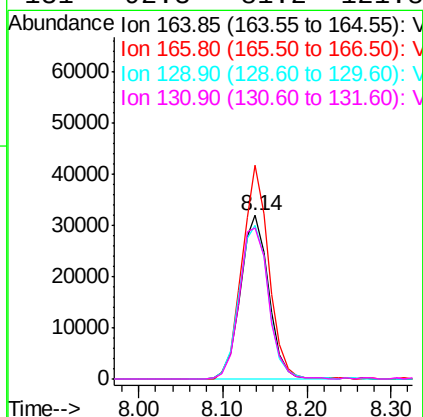
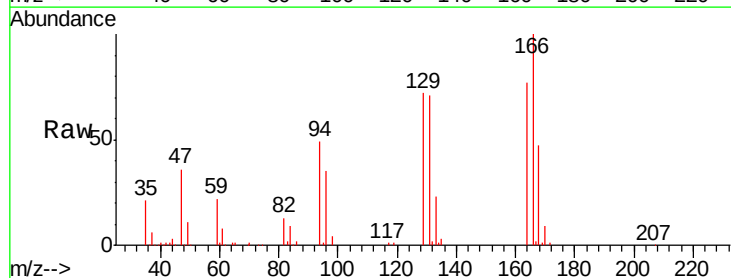
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

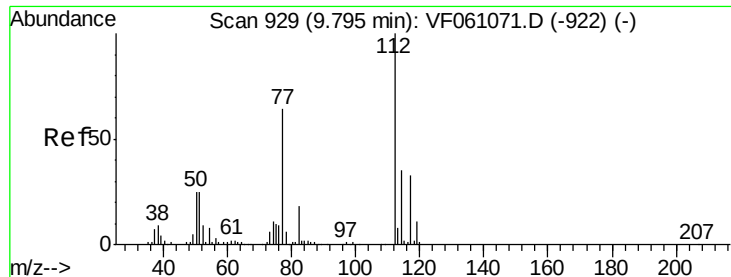
Tgt Ion:117 Resp: 208158
Ion Ratio Lower Upper
117 100
82 62.4 45.0 67.4
119 32.0 24.8 37.2



#64
Tetrachloroethene
Concen: 46.473 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion:164 Resp: 74415
Ion Ratio Lower Upper
164 100
166 130.5 104.0 156.0
129 93.6 81.1 121.7
131 92.3 81.2 121.8

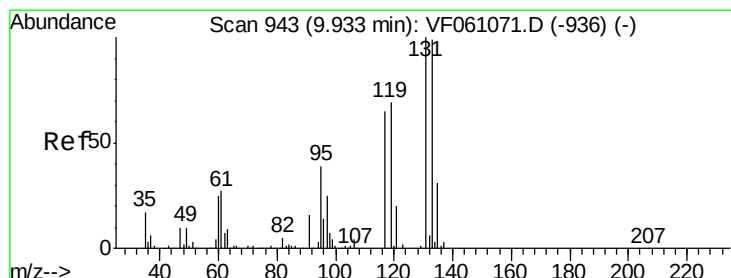
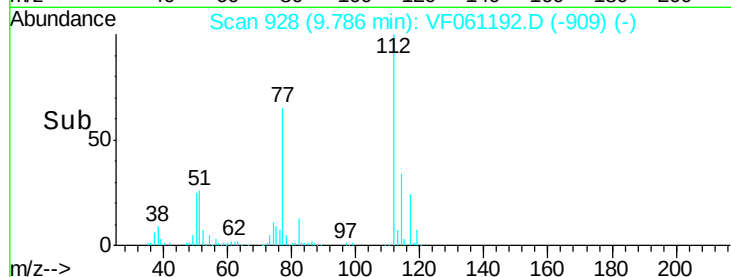
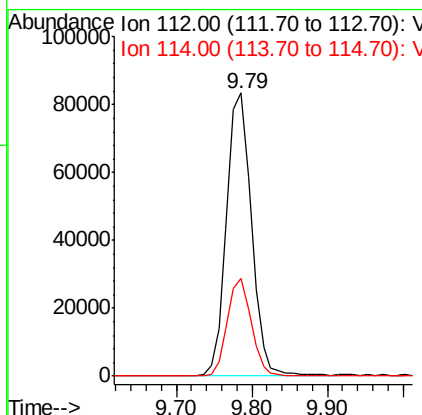
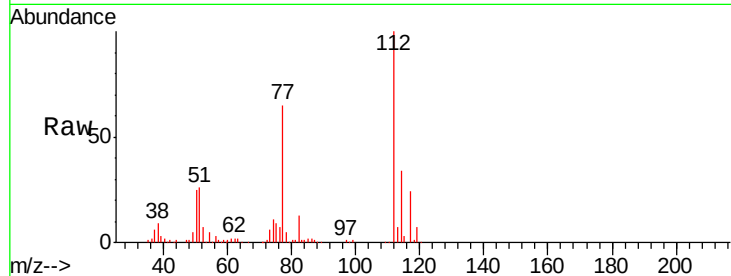




#65
Chlorobenzene
Concen: 44.700 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

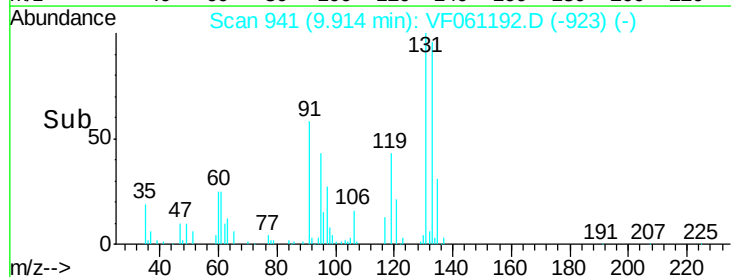
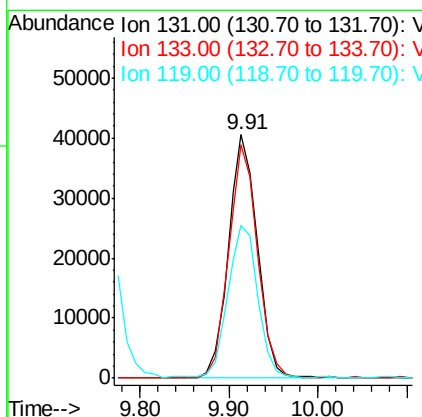
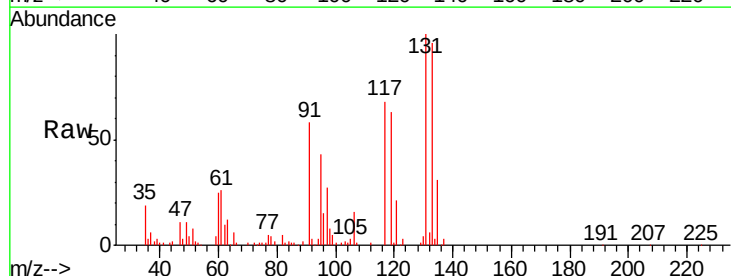
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

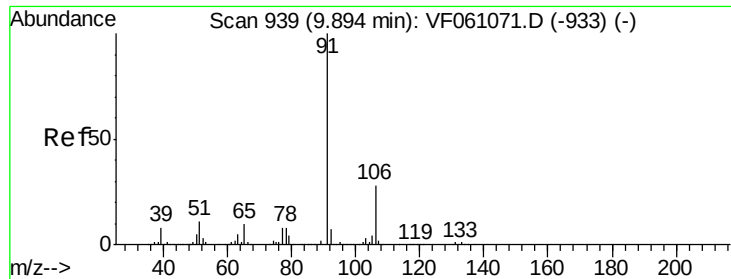
Tgt Ion:112 Resp: 192223
Ion Ratio Lower Upper
112 100
114 34.3 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.357 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion:131 Resp: 92009
Ion Ratio Lower Upper
131 100
133 96.1 49.5 148.7
119 62.7 34.5 103.5

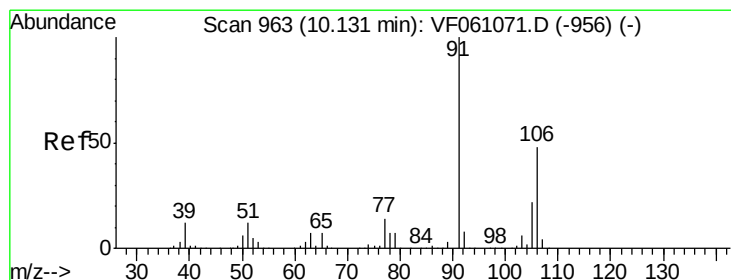
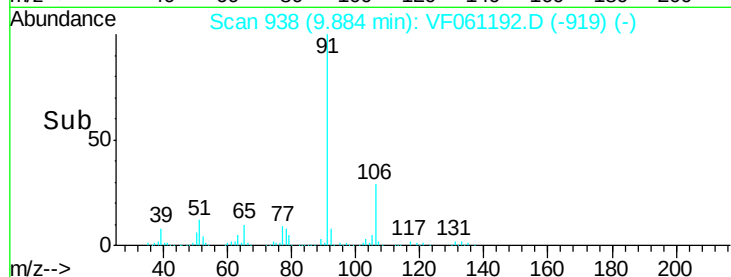
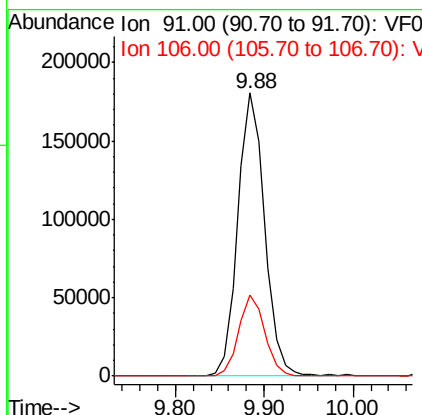
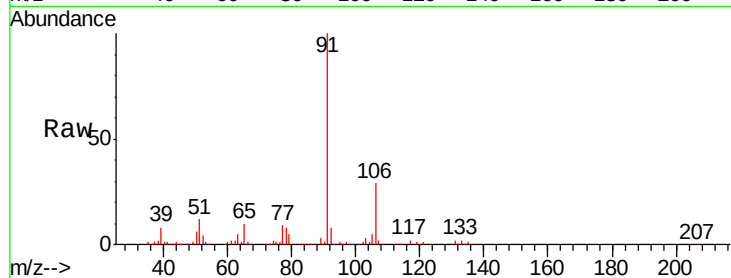




#67
Ethyl Benzene
Concen: 48.444 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

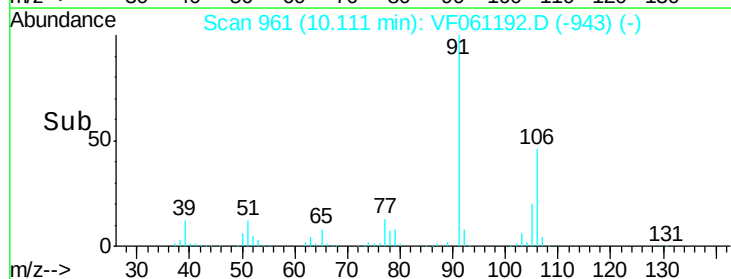
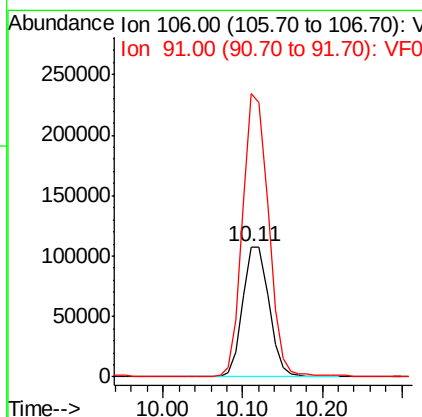
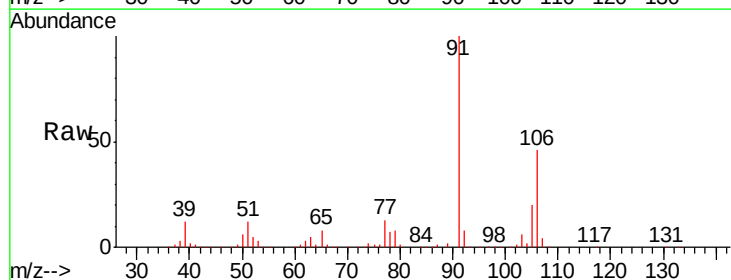
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

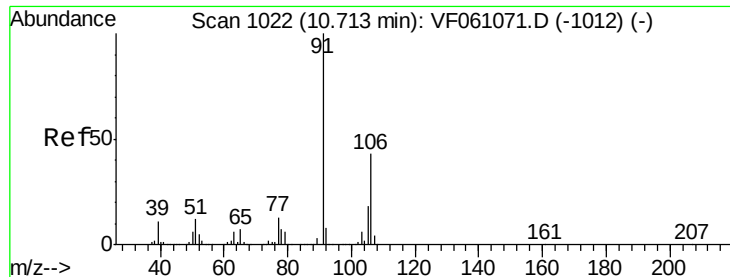
Tgt Ion: 91 Resp: 379525
Ion Ratio Lower Upper
91 100
106 28.7 22.5 33.7



#68
m/p-Xylenes
Concen: 89.170 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 106 Resp: 245848
Ion Ratio Lower Upper
106 100
91 217.3 168.2 252.2

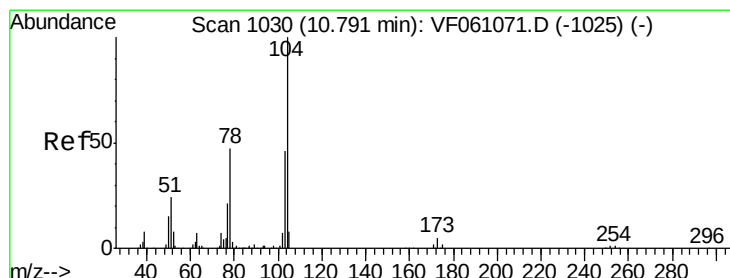
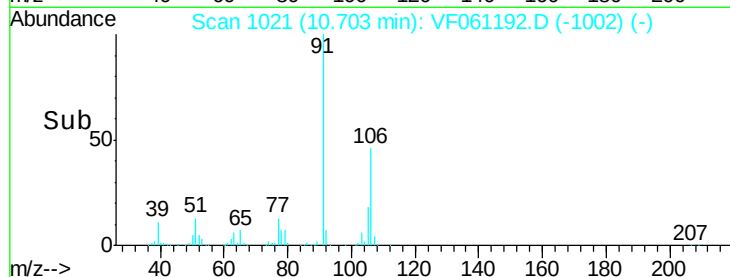
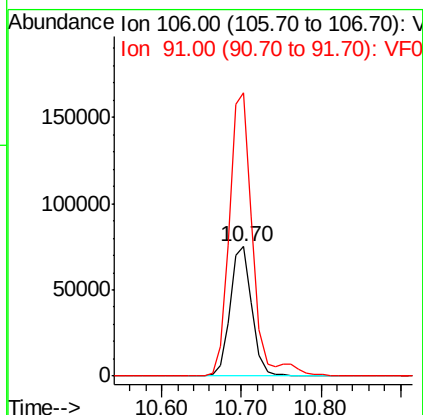
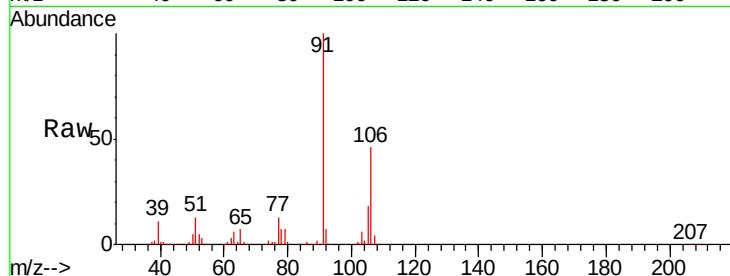




#69
o-Xylene
Concen: 47.507 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

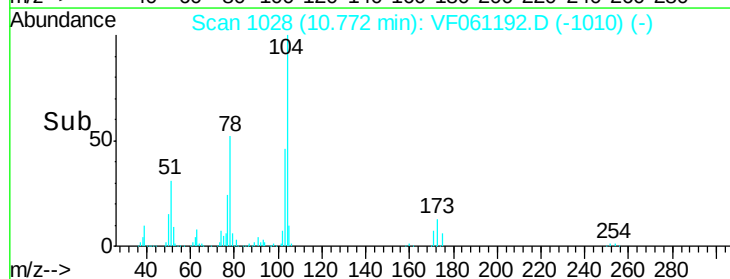
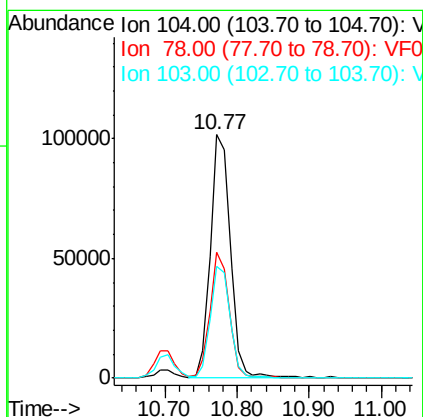
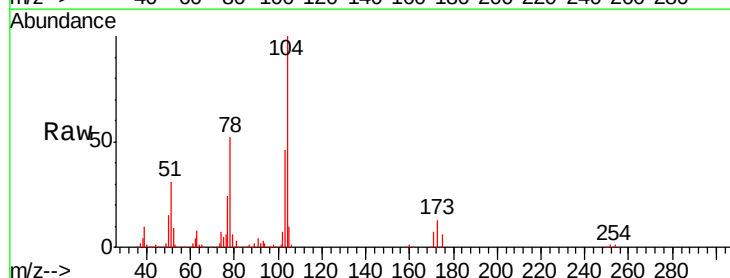
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

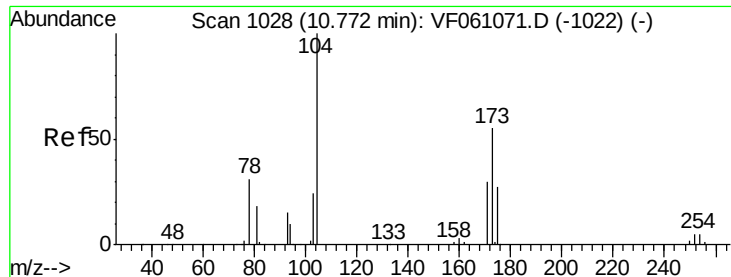
Tgt Ion:106 Resp: 145265
Ion Ratio Lower Upper
106 100
91 218.5 115.9 347.7



#70
Styrene
Concen: 52.212 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion:104 Resp: 193740
Ion Ratio Lower Upper
104 100
78 51.8 38.4 57.6
103 46.1 37.0 55.6





#71

Bromoform

Concen: 50.590 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

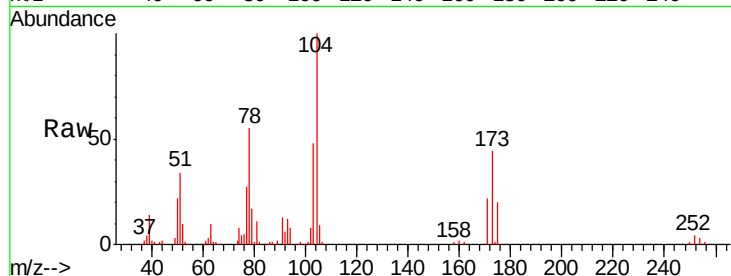
Tgt Ion:173 Resp: 41131

Ion Ratio Lower Upper

173 100

175 45.9 24.8 74.4

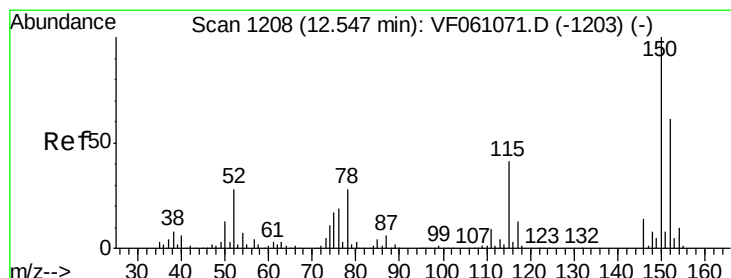
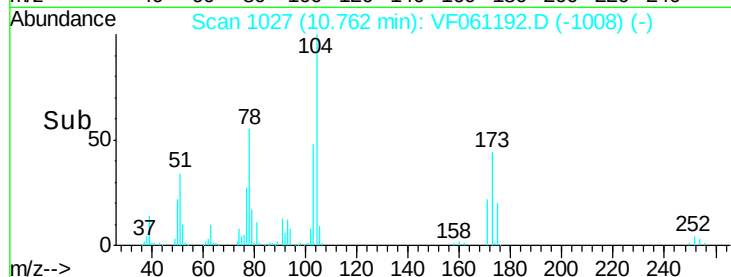
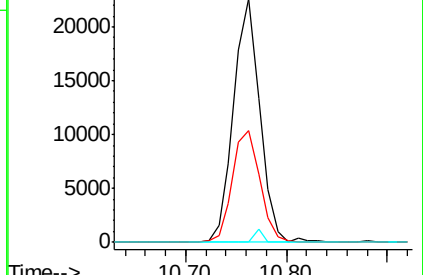
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

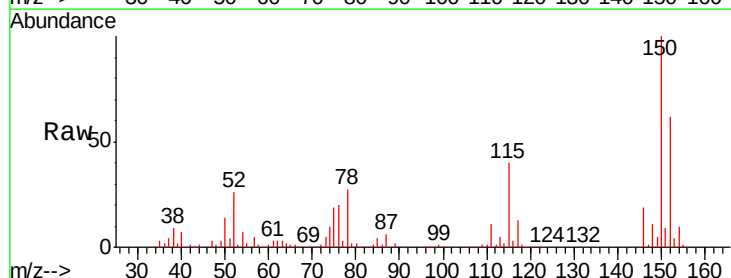
Tgt Ion:152 Resp: 95391

Ion Ratio Lower Upper

152 100

115 64.9 33.3 99.9

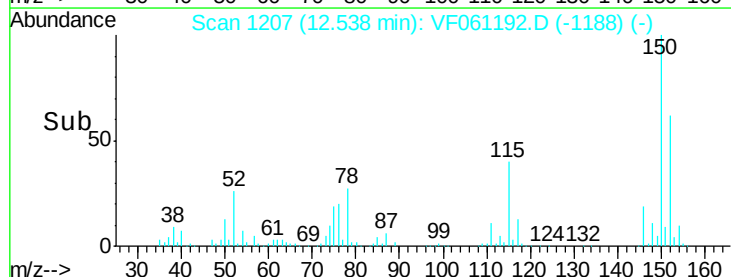
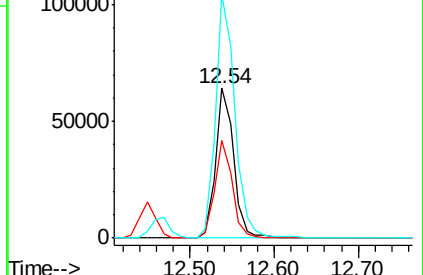
150 162.2 0.0 328.2

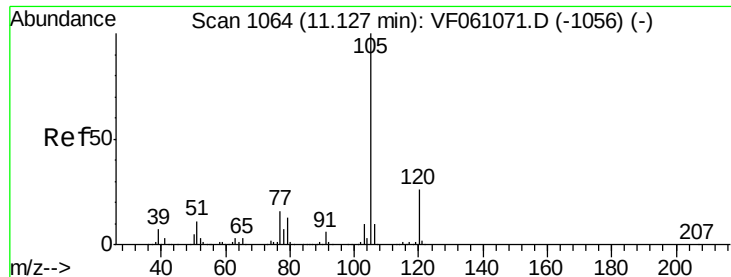


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

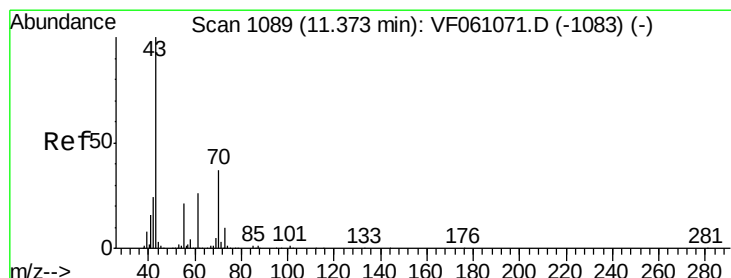
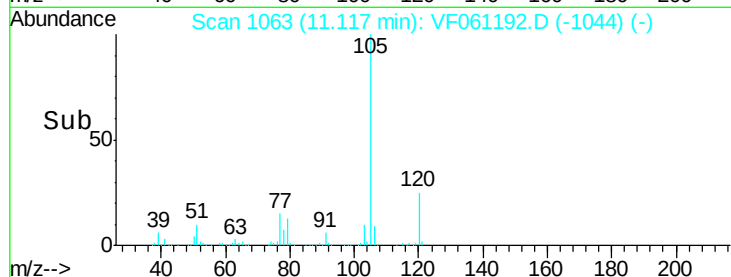
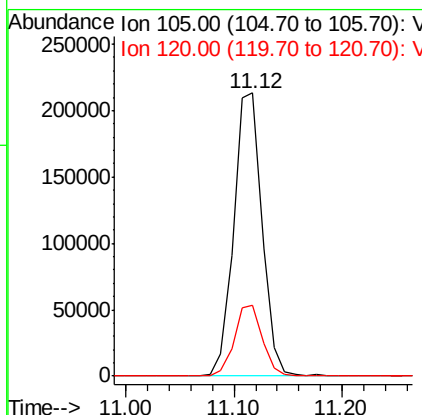
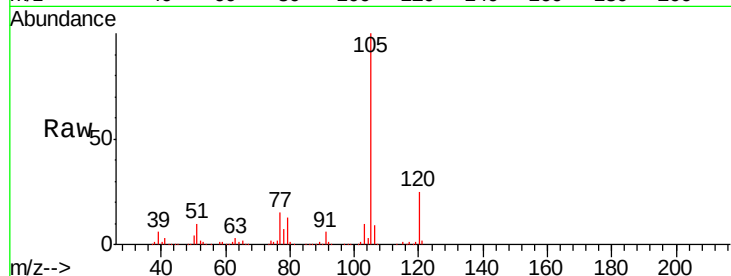




#73
Isopropylbenzene
Concen: 47.336 ug/l
RT: 11.12 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

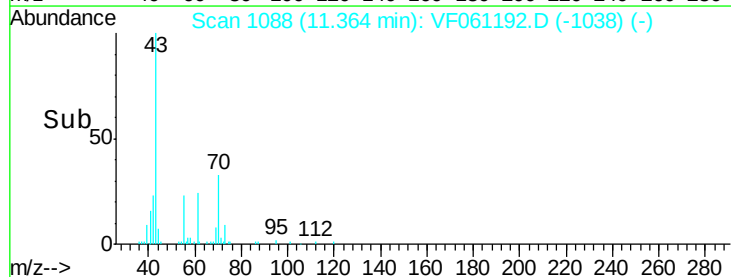
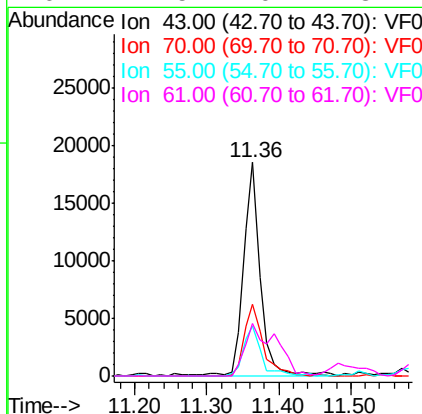
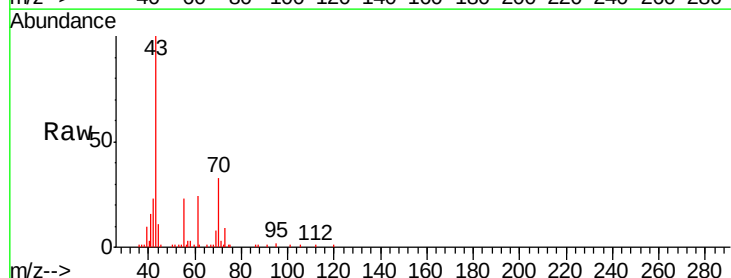
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

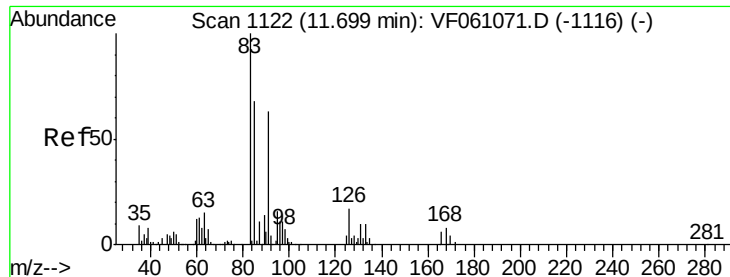
Tgt Ion: 105 Resp: 389121
Ion Ratio Lower Upper
105 100
120 25.1 13.0 39.0



#74
N-ethyl acetate
Concen: 16.598 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 43 Resp: 30292
Ion Ratio Lower Upper
43 100
70 33.5 29.2 43.8
55 23.1 16.5 24.7
61 24.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 57.174 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

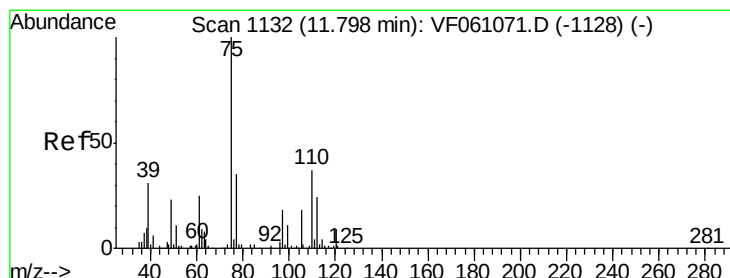
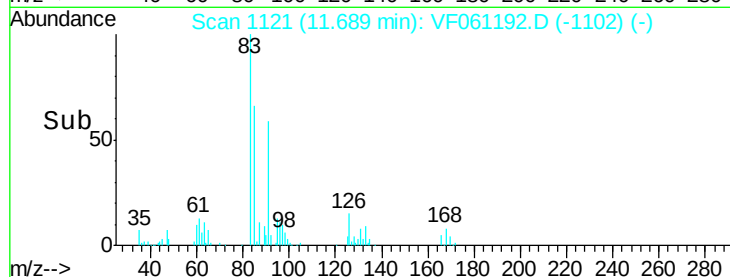
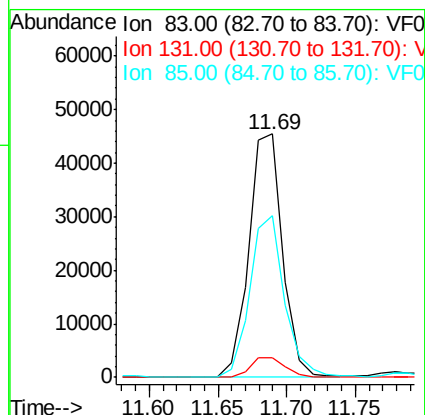
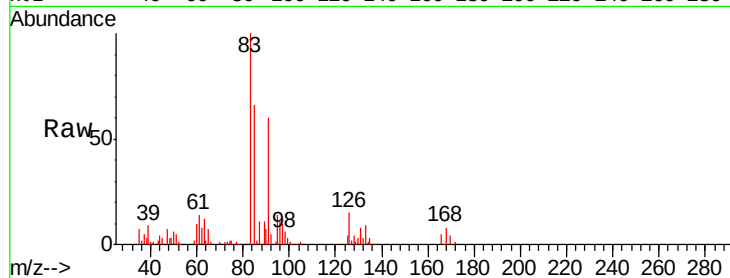
Tgt Ion: 83 Resp: 78003

Ion Ratio Lower Upper

83 100

131 8.0 4.8 14.3

85 66.5 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 56.368 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061192.D

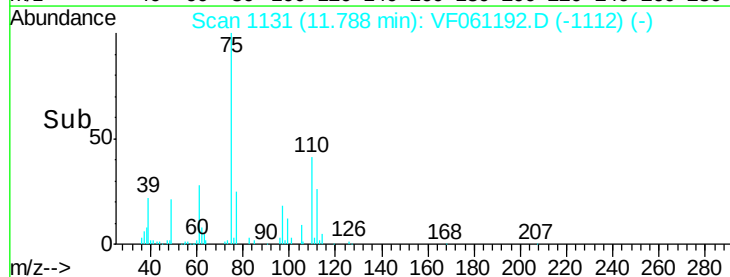
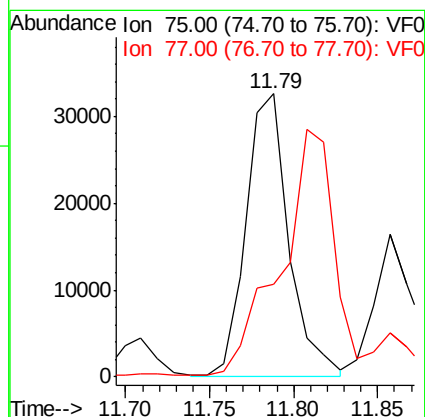
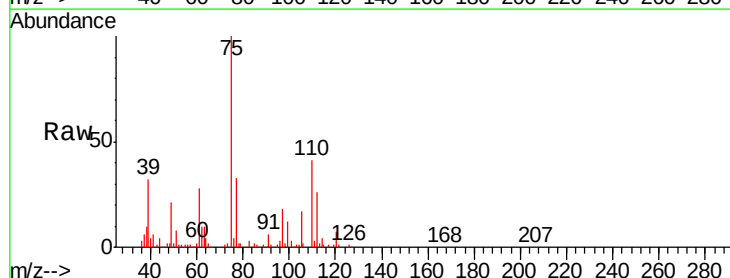
Acq: 26 Dec 2018 17:04

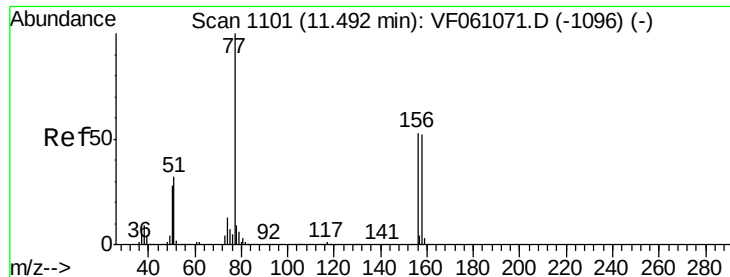
Tgt Ion: 75 Resp: 57231

Ion Ratio Lower Upper

75 100

77 32.8 17.6 52.9





#77

Bromobenzene

Concen: 47.046 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

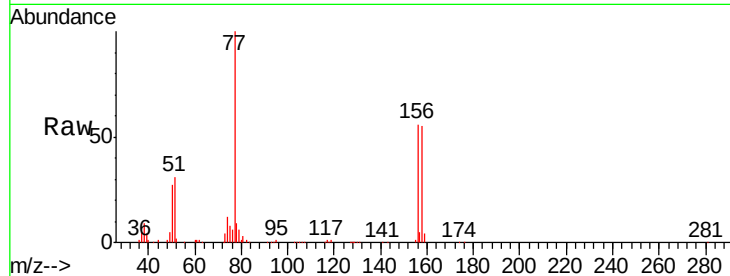
Tgt Ion:156 Resp: 83251

Ion Ratio Lower Upper

156 100

77 178.9 93.8 281.4

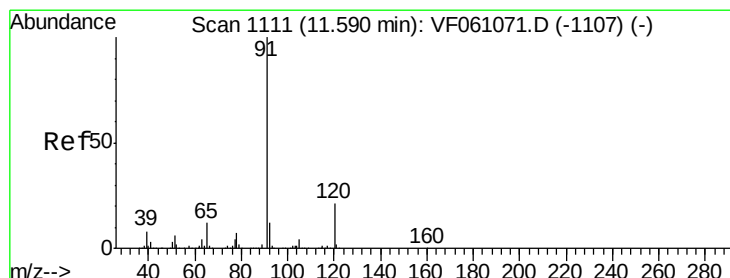
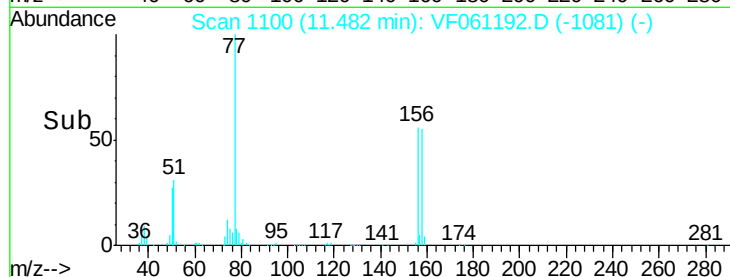
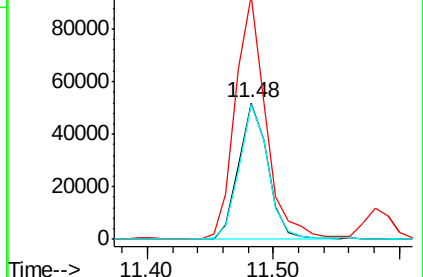
158 98.9 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 43.036 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061192.D

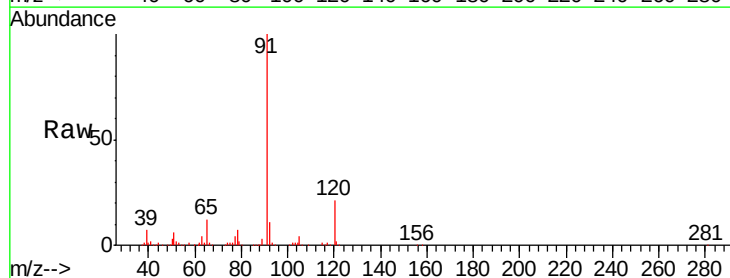
Acq: 26 Dec 2018 17:04

Tgt Ion: 91 Resp: 419134

Ion Ratio Lower Upper

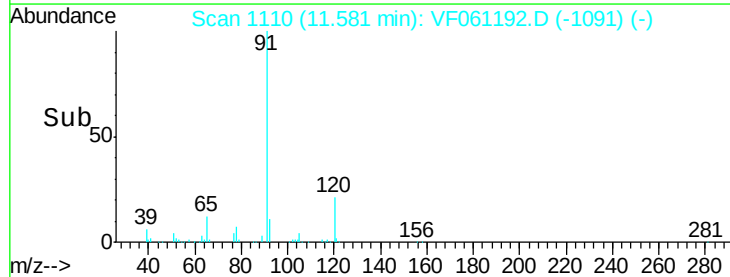
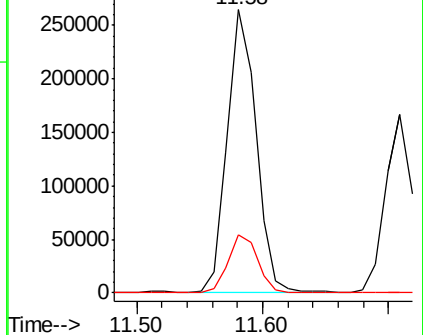
91 100

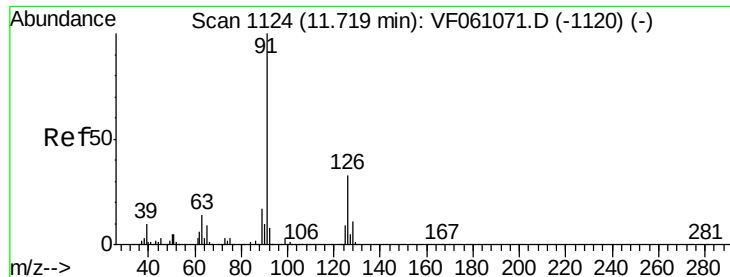
120 20.6 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

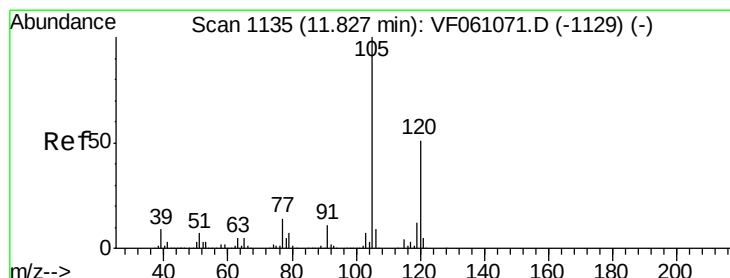
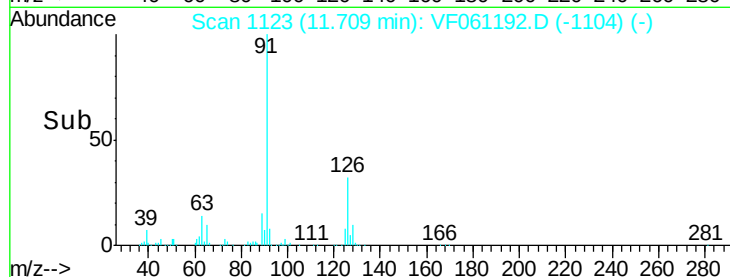
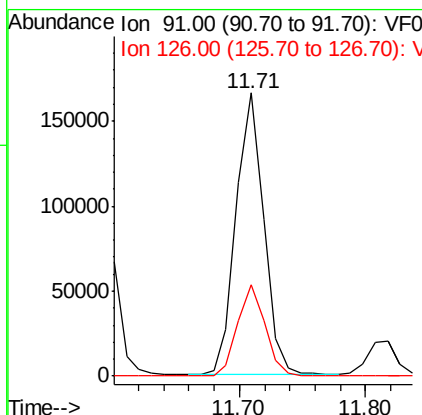
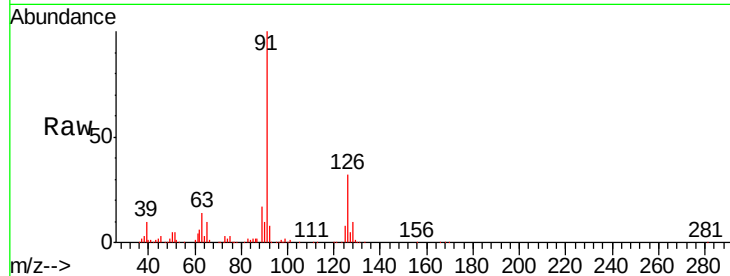




#79
 2-Chlorotoluene
 Concen: 44.970 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

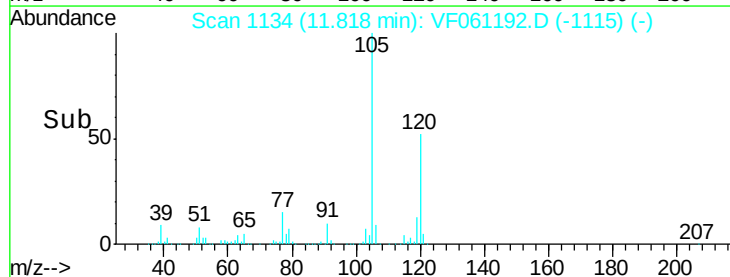
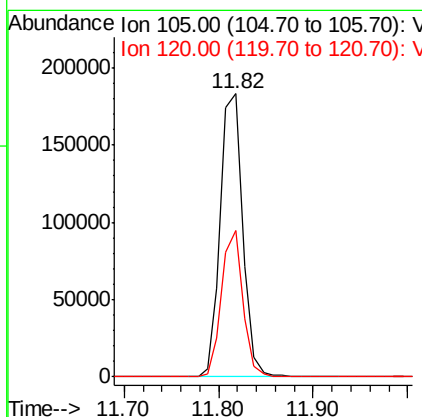
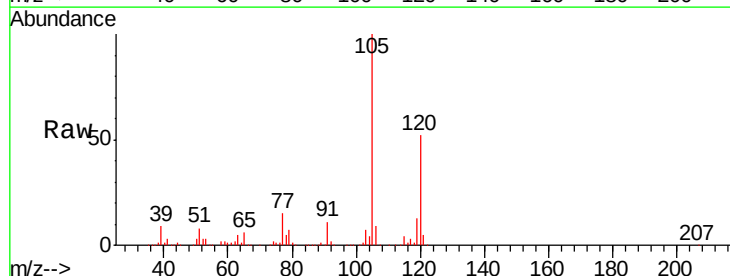
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

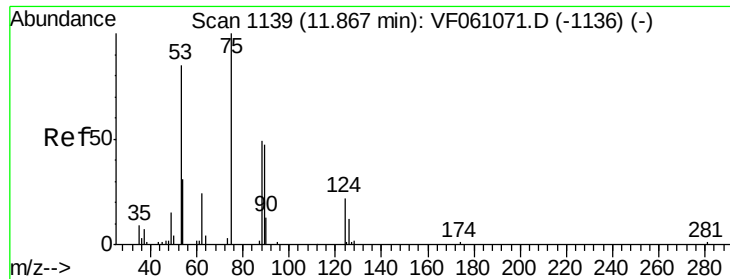
Tgt Ion: 91 Resp: 253591
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 44.815 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion: 105 Resp: 303347
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 73.823 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

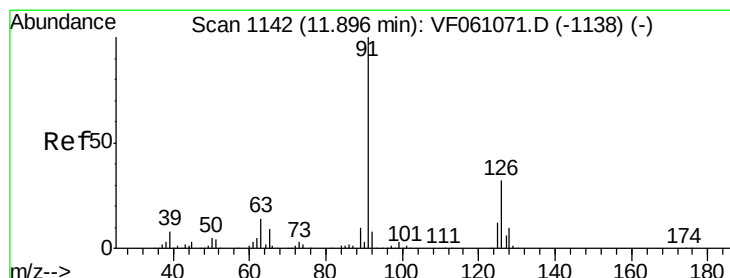
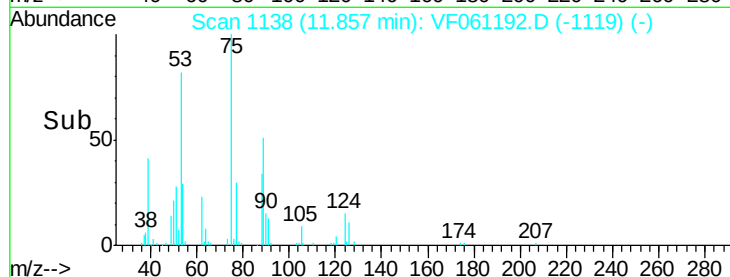
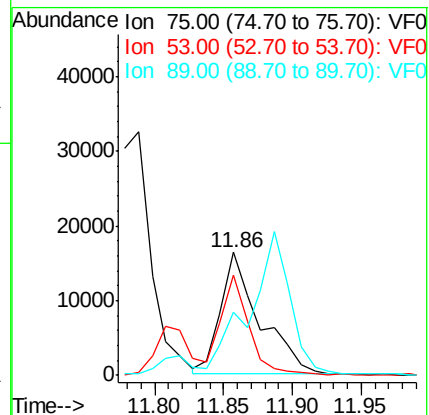
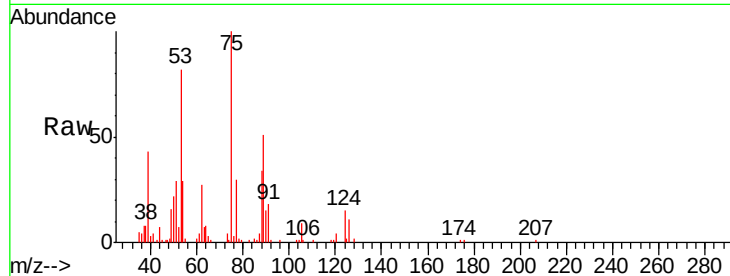
Tgt Ion: 75 Resp: 32208

Ion	Ratio	Lower	Upper
75	100		
53	81.8	74.1	111.1
89	51.0	42.6	64.0

75 100

53 81.8 74.1 111.1

89 51.0 42.6 64.0



#82

4-Chlorotoluene

Concen: 44.016 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061192.D

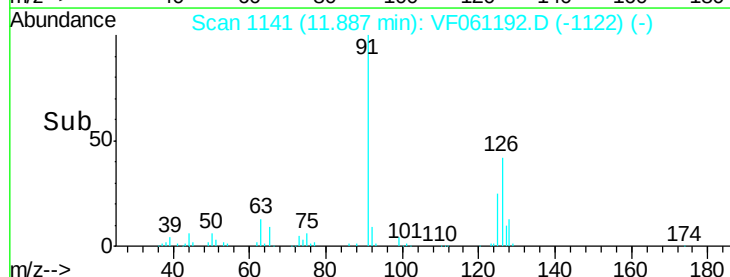
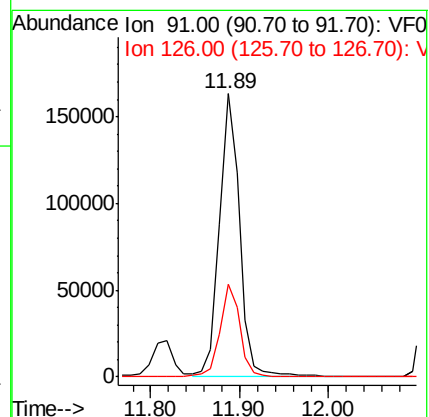
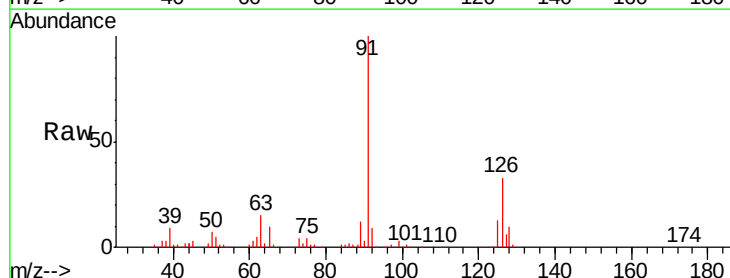
Acq: 26 Dec 2018 17:04

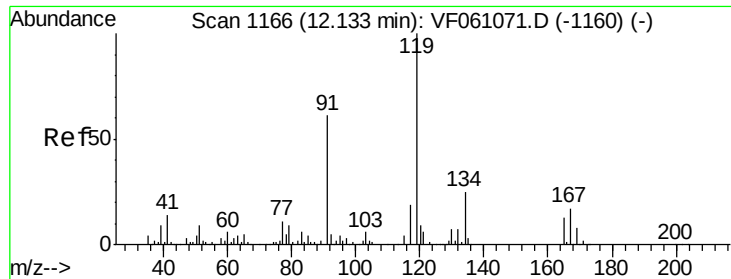
Tgt Ion: 91 Resp: 256771

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.0	47.9

91 100

126 32.8 16.0 47.9

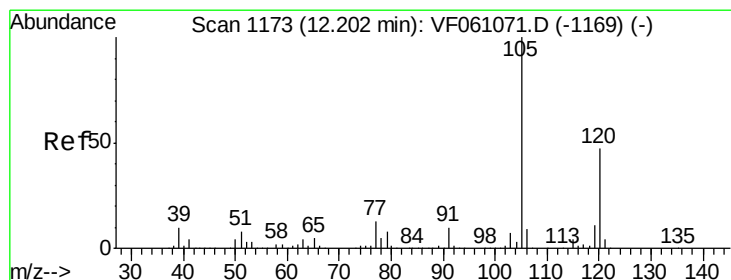
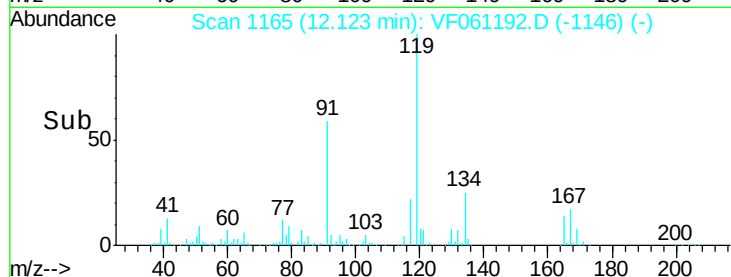
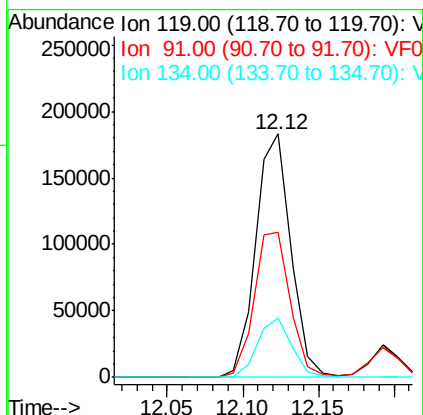
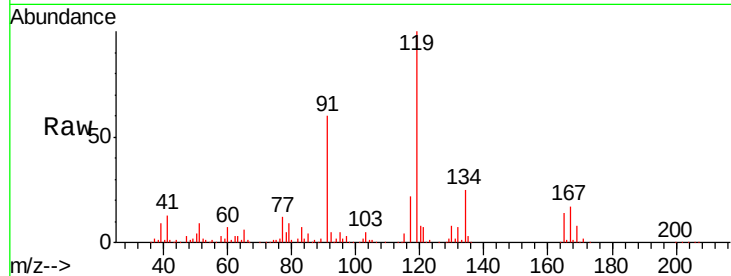




#83
 tert-Butylbenzene
 Concen: 42.788 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

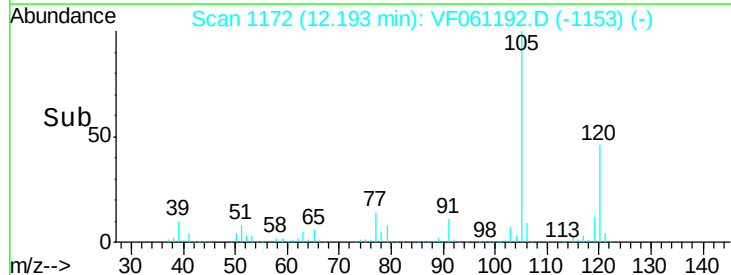
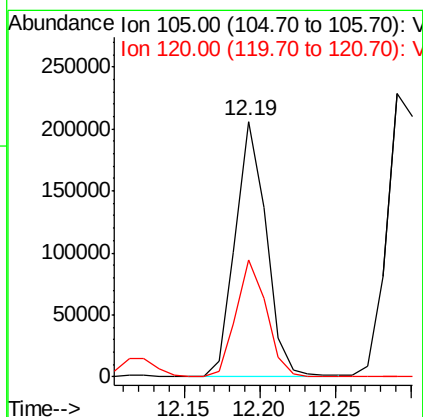
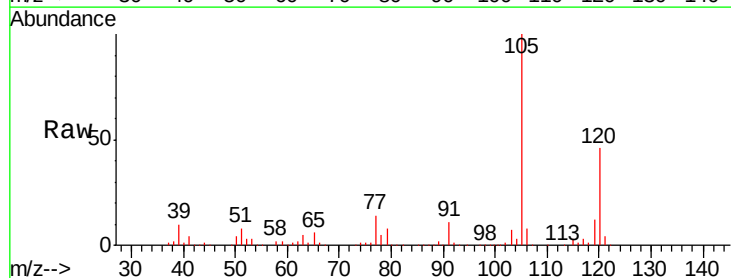
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

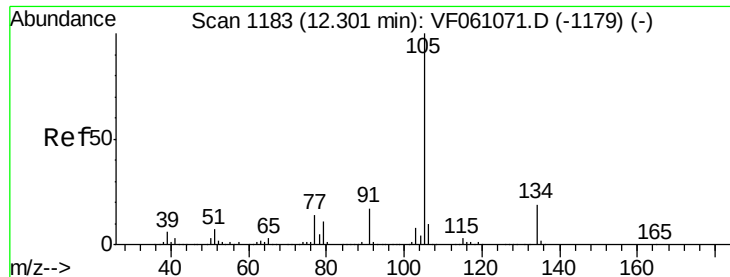
Tgt Ion:119 Resp: 298030
 Ion Ratio Lower Upper
 119 100
 91 59.7 30.5 91.5
 134 24.5 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 43.872 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion:105 Resp: 296136
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.6 71.0

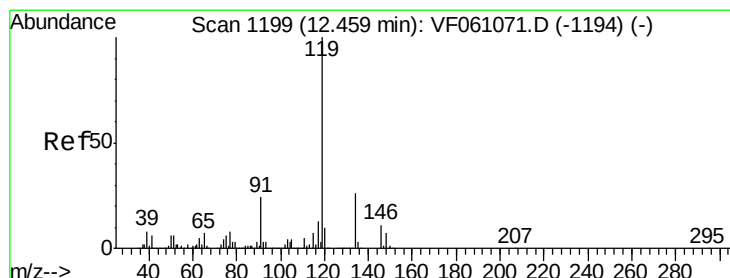
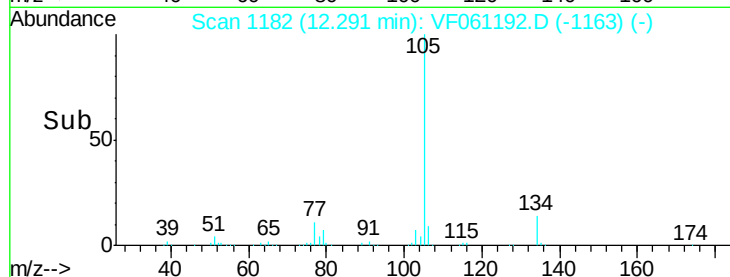
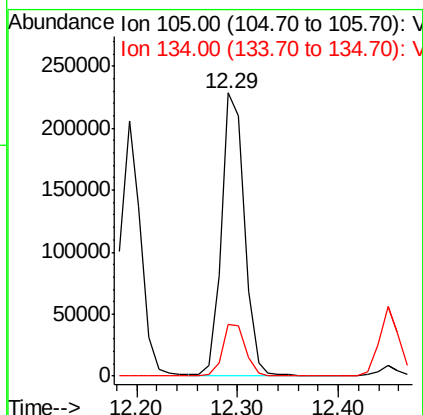
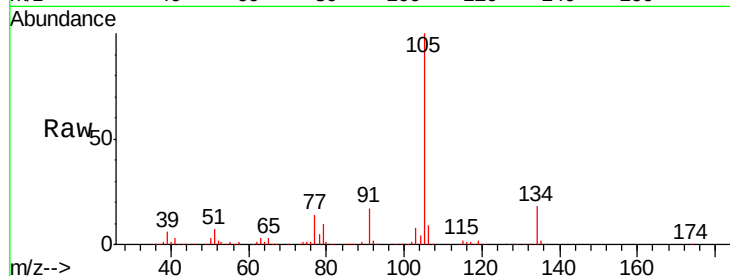




#85
 sec-Butylbenzene
 Concen: 39.844 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

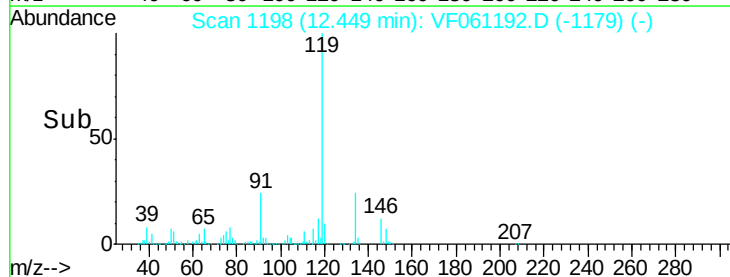
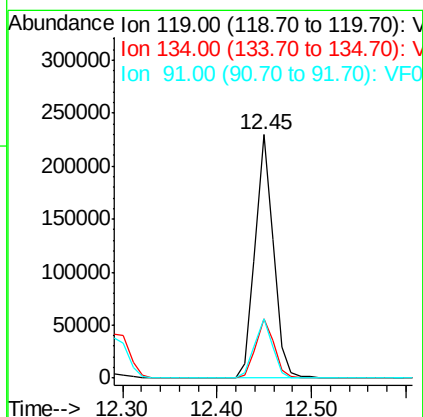
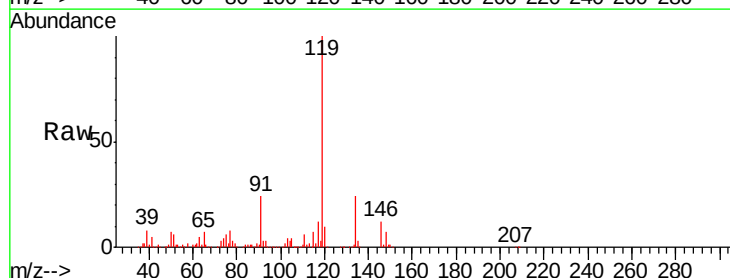
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

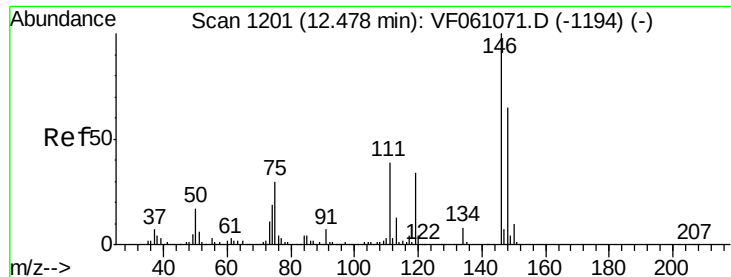
Tgt Ion:105 Resp: 362170
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 41.180 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion:119 Resp: 310705
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.4
 91 24.4 12.2 36.6

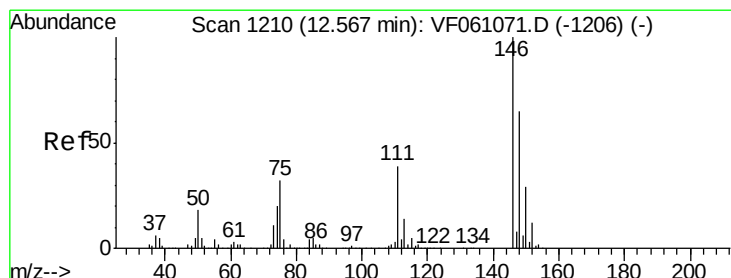
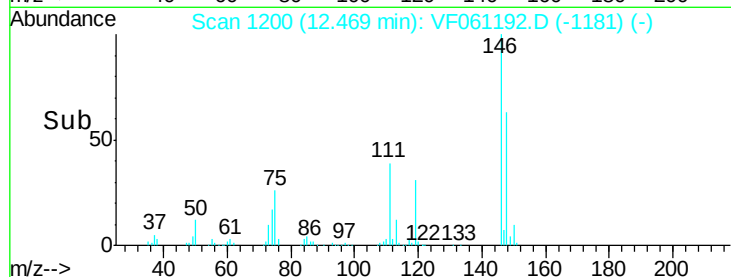
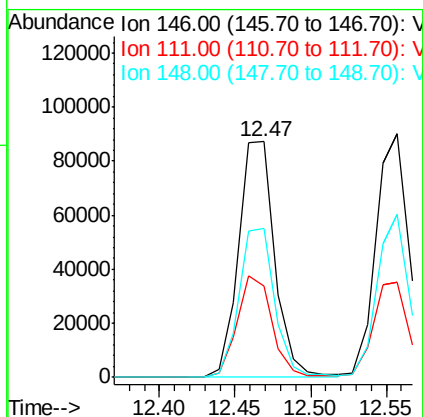
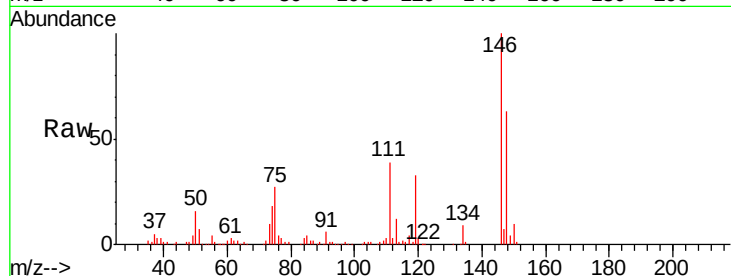




#87
 1,3-Dichlorobenzene
 Concen: 50.446 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

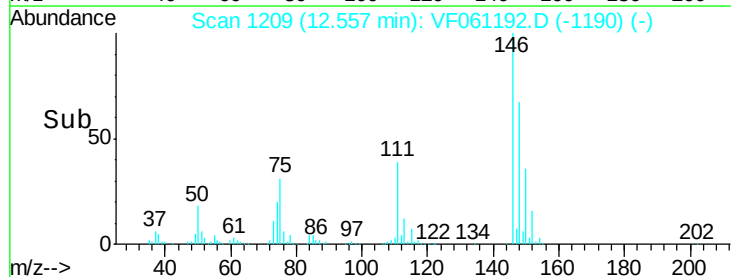
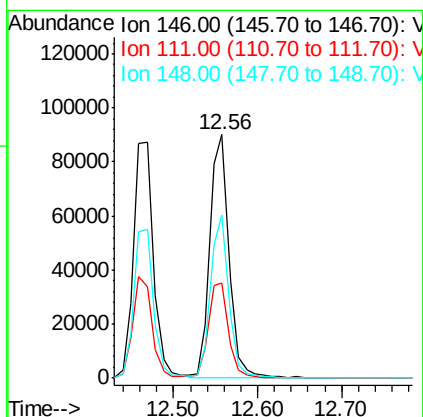
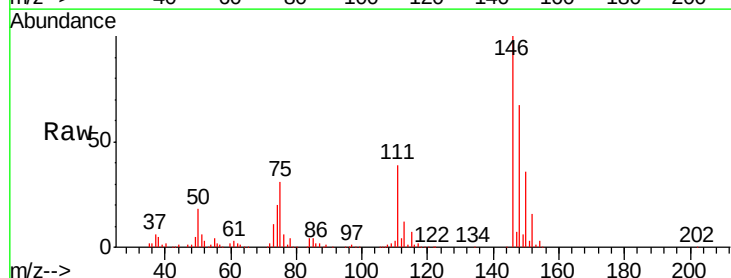
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

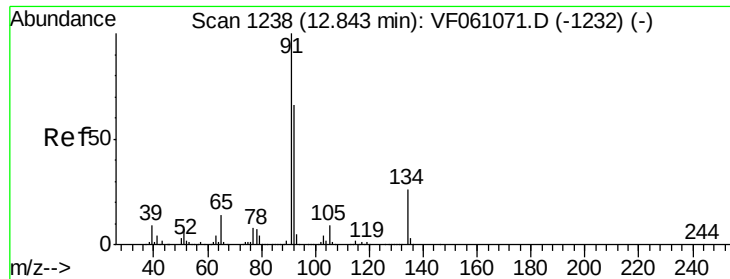
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.2	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 43.871 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	66.7	32.4	97.0

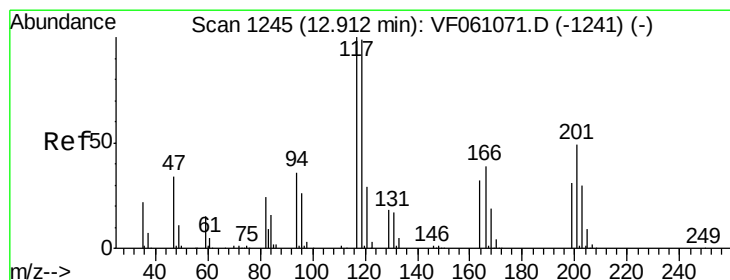
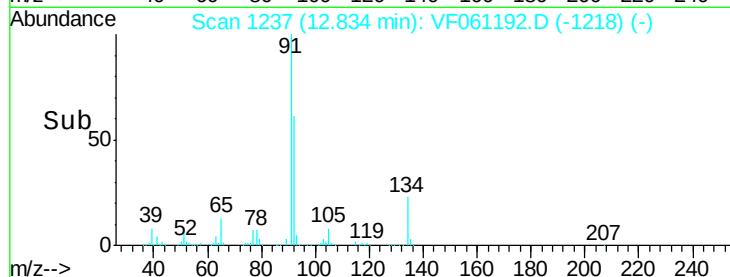
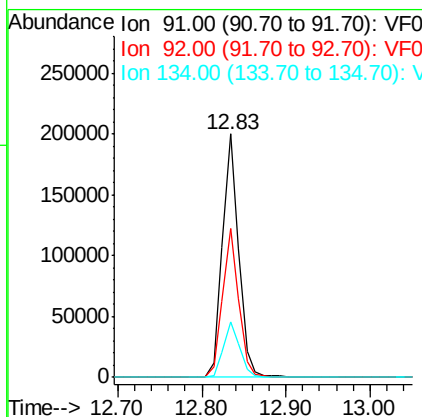
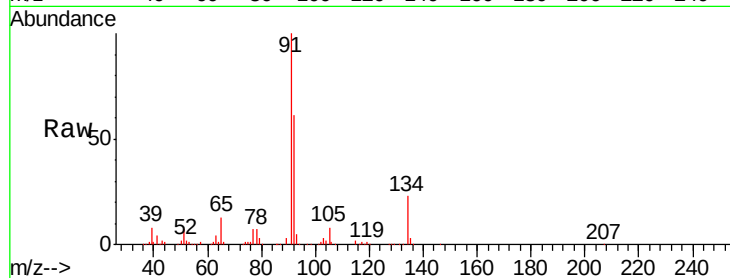




#89
n-Butylbenzene
Concen: 32.919 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

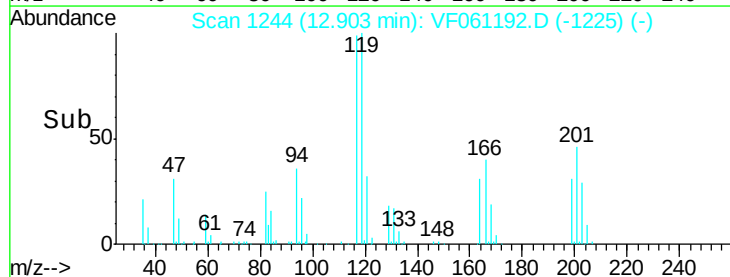
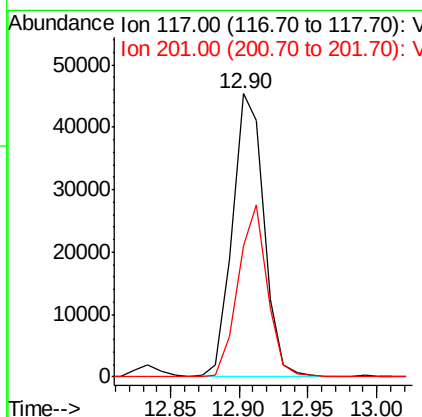
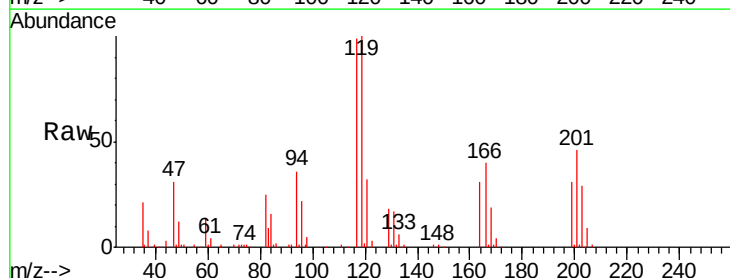
Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

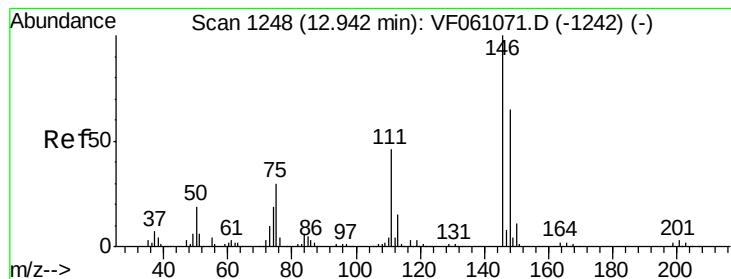
Tgt Ion: 91 Resp: 270760
Ion Ratio Lower Upper
91 100
92 61.0 32.8 98.4
134 22.8 13.2 39.5



#90
Hexachloroethane
Concen: 38.993 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 117 Resp: 72687
Ion Ratio Lower Upper
117 100
201 46.5 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 44.373 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

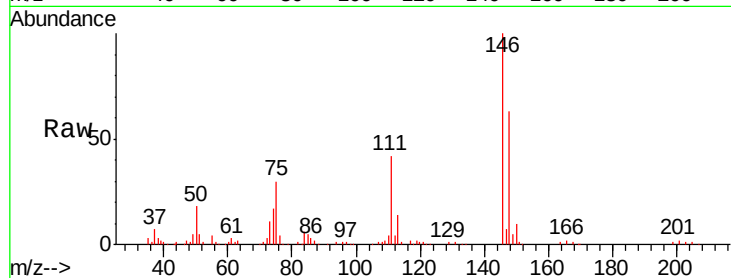
Tgt Ion: 146 Resp: 140375

Ion Ratio Lower Upper

146 100

111 42.3 23.2 69.5

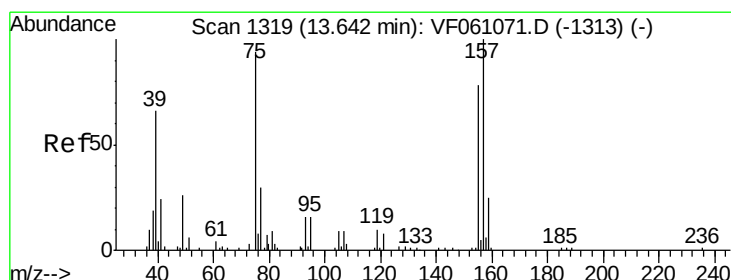
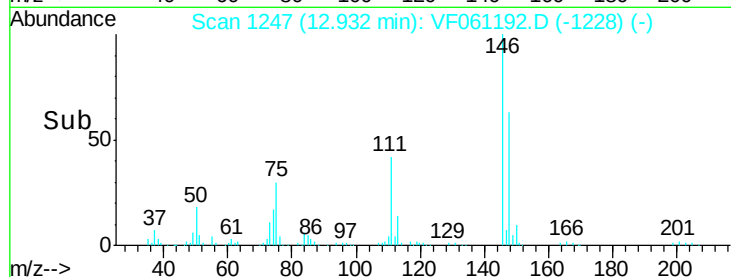
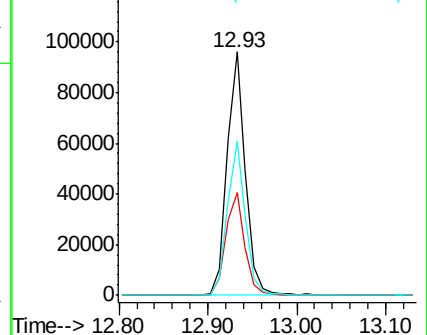
148 63.3 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.431 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

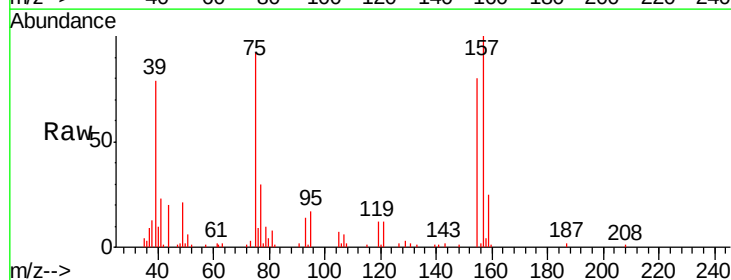
Tgt Ion: 75 Resp: 13627

Ion Ratio Lower Upper

75 100

155 87.1 41.5 124.5

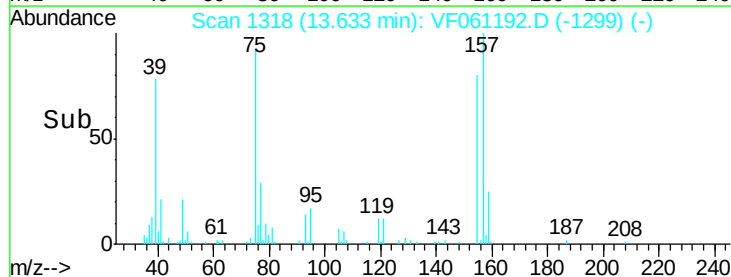
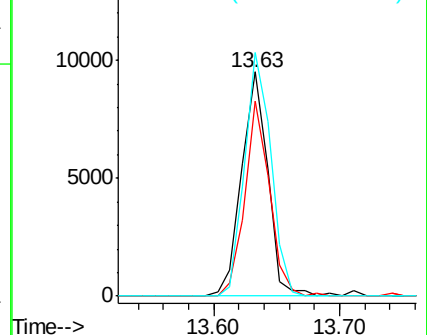
157 108.5 53.2 159.6

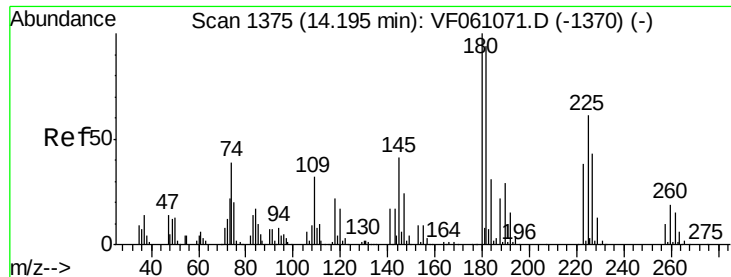


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

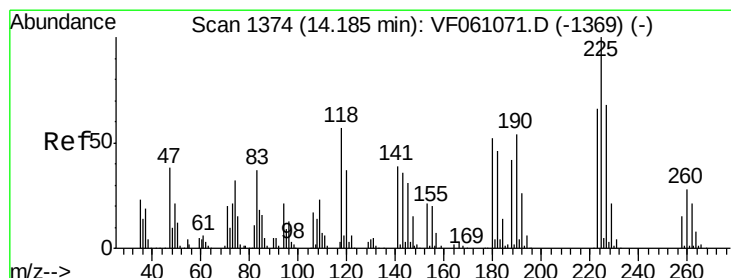
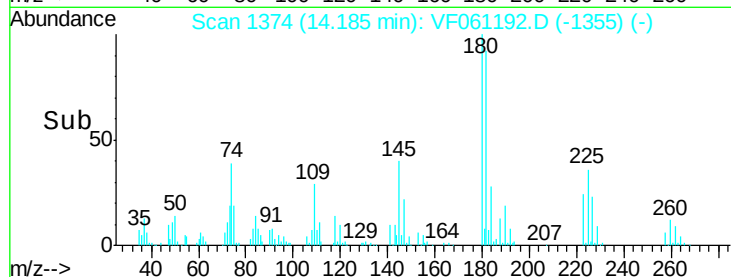
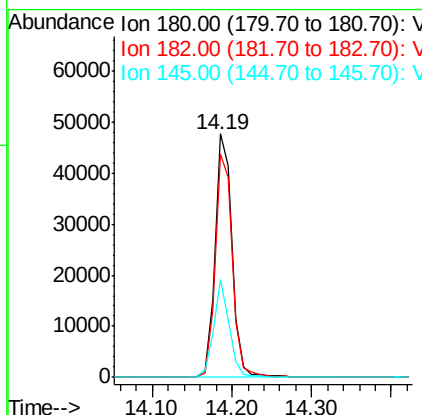
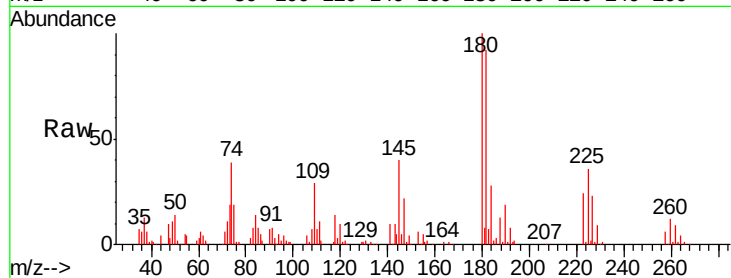




#93
 1,2,4-Trichlorobenzene
 Concen: 32.122 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

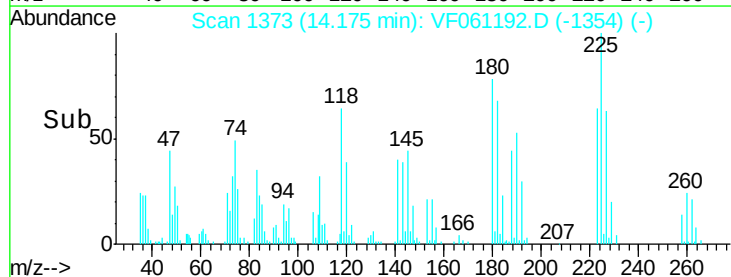
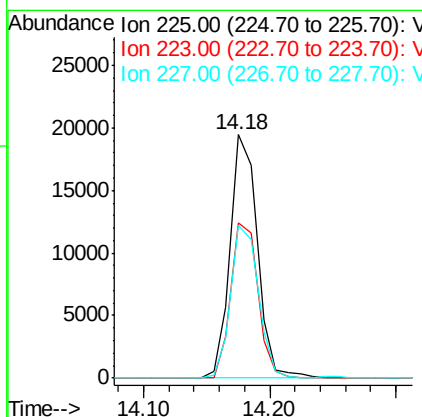
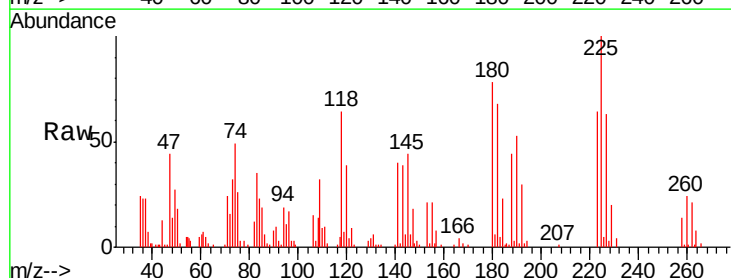
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

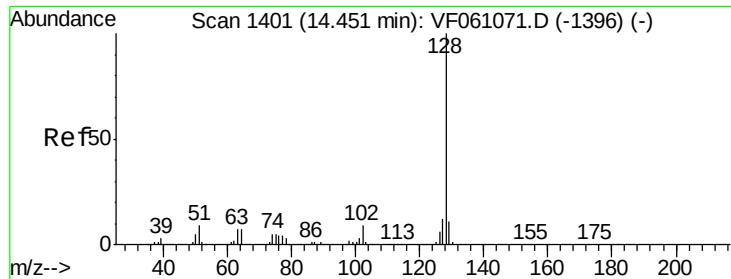
Tgt Ion:180 Resp: 72068
 Ion Ratio Lower Upper
 180 100
 182 91.9 46.9 140.6
 145 40.1 20.5 61.6



#94
 Hexachlorobutadiene
 Concen: 20.272 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion:225 Resp: 28968
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.8 98.3
 227 62.6 34.0 101.8

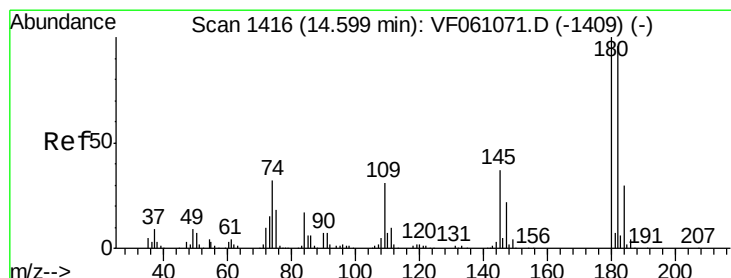
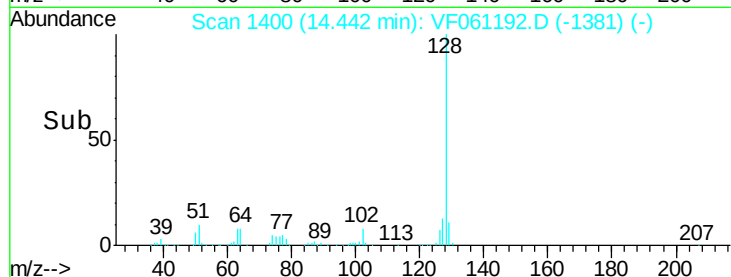
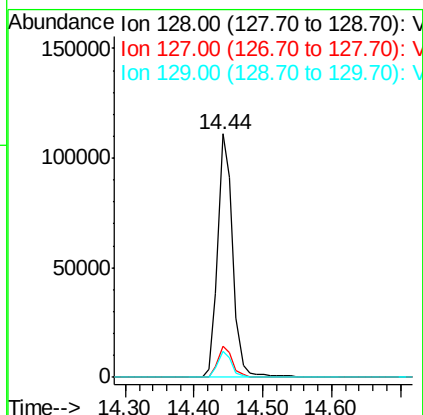
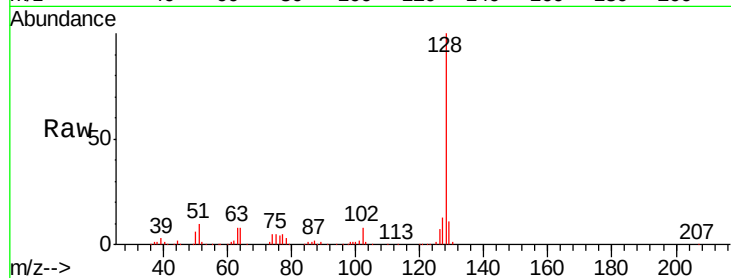




#95
Naphthalene
Concen: 41.227 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.4	14.2
129	10.6	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 29.446 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.8
145	40.1	18.6	55.8

