

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060047.D
 Acq On : 23 Aug 2018 12:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 23 15:20:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	208604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	334732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	343546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	205316	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	135522	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	4.29	113	123209	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	7.71	98	349434	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
62) 4-Bromofluorobenzene	11.52	95	184230	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	117489	42.780	ug/l	98
3) Chloromethane	1.07	50	90208	50.653	ug/l	97
4) Vinyl Chloride	1.12	62	72495	42.515	ug/l	92
5) Bromomethane	1.31	94	56244	43.407	ug/l	94
6) Chloroethane	1.39	64	31075	46.231	ug/l	94
7) Trichlorofluoromethane	1.48	101	178560	52.074	ug/l	100
8) Diethyl Ether	1.70	74	30395	49.581	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	84763	47.094	ug/l	97
10) Methyl Iodide	1.93	142	113327	47.623	ug/l	97
11) Tert butyl alcohol	2.67	59	34138	224.764	ug/l #	83
12) 1,1-Dichloroethene	1.83	96	62928	47.454	ug/l	95
13) Acrolein	2.08	56	23235	250.358	ug/l	99
14) Allyl chloride	2.19	41	113040	47.998	ug/l	98
15) Acrylonitrile	3.07	53	70503	235.222	ug/l	95
16) Acetone	2.33	43	207917	277.093	ug/l	99
17) Carbon Disulfide	1.84	76	178203	42.921	ug/l	99
18) Methyl Acetate	2.45	43	63149	49.202	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	199423	46.939	ug/l	97
20) Methylene Chloride	2.28	84	73978	50.069	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	64657	43.577	ug/l	97
22) Diisopropyl ether	2.92	45	245364	46.527	ug/l	99
23) Vinyl Acetate	3.34	43	623268	223.092	ug/l	96
24) 1,1-Dichloroethane	3.00	63	155760	47.811	ug/l	99
25) 2-Butanone	4.51	43	245390	251.772	ug/l	95
26) 2,2-Dichloropropane	3.76	77	173553	51.491	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	107086	50.931	ug/l	95
28) Bromochloromethane	3.89	49	68623	49.892	ug/l	85
29) Tetrahydrofuran	4.25	42	89182	242.352	ug/l	98
30) Chloroform	4.03	83	220525	48.224	ug/l	96
31) Cyclohexane	3.86	56	111556	44.939	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	183802	46.936	ug/l	96
36) 1,1-Dichloropropene	4.47	75	141386	44.947	ug/l	99
37) Ethyl Acetate	4.29	43	85754	45.583	ug/l #	72
38) Carbon Tetrachloride	4.17	117	167378	45.951	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	131708	44.655	ug/l	90
40) Benzene	4.81	78	315472	45.910	ug/l	100
41) Methacrylonitrile	4.92	41	41135	43.230	ug/l	91
42) 1,2-Dichloroethane	5.12	62	169147	45.907	ug/l	99
43) Isopropyl Acetate	7.11	43	112245	47.405	ug/l #	97
44) Trichloroethene	5.68	130	99573	43.834	ug/l	96
45) 1,2-Dichloropropane	6.40	63	101065	51.996	ug/l	100
46) Dibromomethane	6.25	93	72888	47.923	ug/l	96
47) Bromodichloromethane	6.55	83	172931	47.074	ug/l	95
48) Methyl methacrylate	6.87	41	76861	49.056	ug/l	98
49) 1,4-Dioxane	6.86	88	14126	939.166	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	510237	249.541	ug/l	97
52) Toluene	7.78	92	226352	51.339	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	154341	46.330	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	177540	47.751	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	93727	50.550	ug/l	94
56) Ethyl methacrylate	8.77	69	114294	50.927	ug/l	96
57) 1,3-Dichloropropane	9.00	76	156216	47.935	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	39543	221.976	ug/l	100
59) 2-Hexanone	9.63	43	416437	251.639	ug/l	100
60) Dibromochloromethane	8.86	129	134436	49.117	ug/l	98
61) 1,2-Dibromoethane	9.14	107	106439	48.882	ug/l	99
64) Tetrachloroethene	8.31	164	101345	43.791	ug/l	98
65) Chlorobenzene	9.95	112	299983	46.242	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	121715	49.468	ug/l	95
67) Ethyl Benzene	10.05	91	536543	47.933	ug/l	98
68) m/p-Xylenes	10.27	106	377785	103.797	ug/l	99
69) o-Xylene	10.84	106	212048	48.353	ug/l	95
70) Styrene	10.91	104	323857	48.135	ug/l	98
71) Bromoform	10.90	173	86277	50.259	ug/l	97
73) Isopropylbenzene	11.23	105	613100	49.608	ug/l	98
74) N-amyl acetate	11.47	43	200823	52.278	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	133417	49.431	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	102170	48.812	ug/l	99
77) Bromobenzene	11.60	156	160004	47.605	ug/l	91
78) n-propylbenzene	11.69	91	735321	48.206	ug/l	97
79) 2-Chlorotoluene	11.81	91	427075	47.614	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	502930	46.709	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	62038	64.779	ug/l	95
82) 4-Chlorotoluene	11.99	91	471884	48.457	ug/l	97
83) tert-Butylbenzene	12.22	119	512961	48.846	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	530025	46.303	ug/l	100
85) sec-Butylbenzene	12.39	105	695226	47.553	ug/l	98
86) p-Isopropyltoluene	12.54	119	590642	48.697	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	289709	46.618	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	295014	47.768	ug/l	97
89) n-Butylbenzene	12.93	91	601478	51.042	ug/l	98
90) Hexachloroethane	13.00	117	135007	49.534	ug/l	80
91) 1,2-Dichlorobenzene	13.02	146	287908	48.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27795	50.393	ug/l	82

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

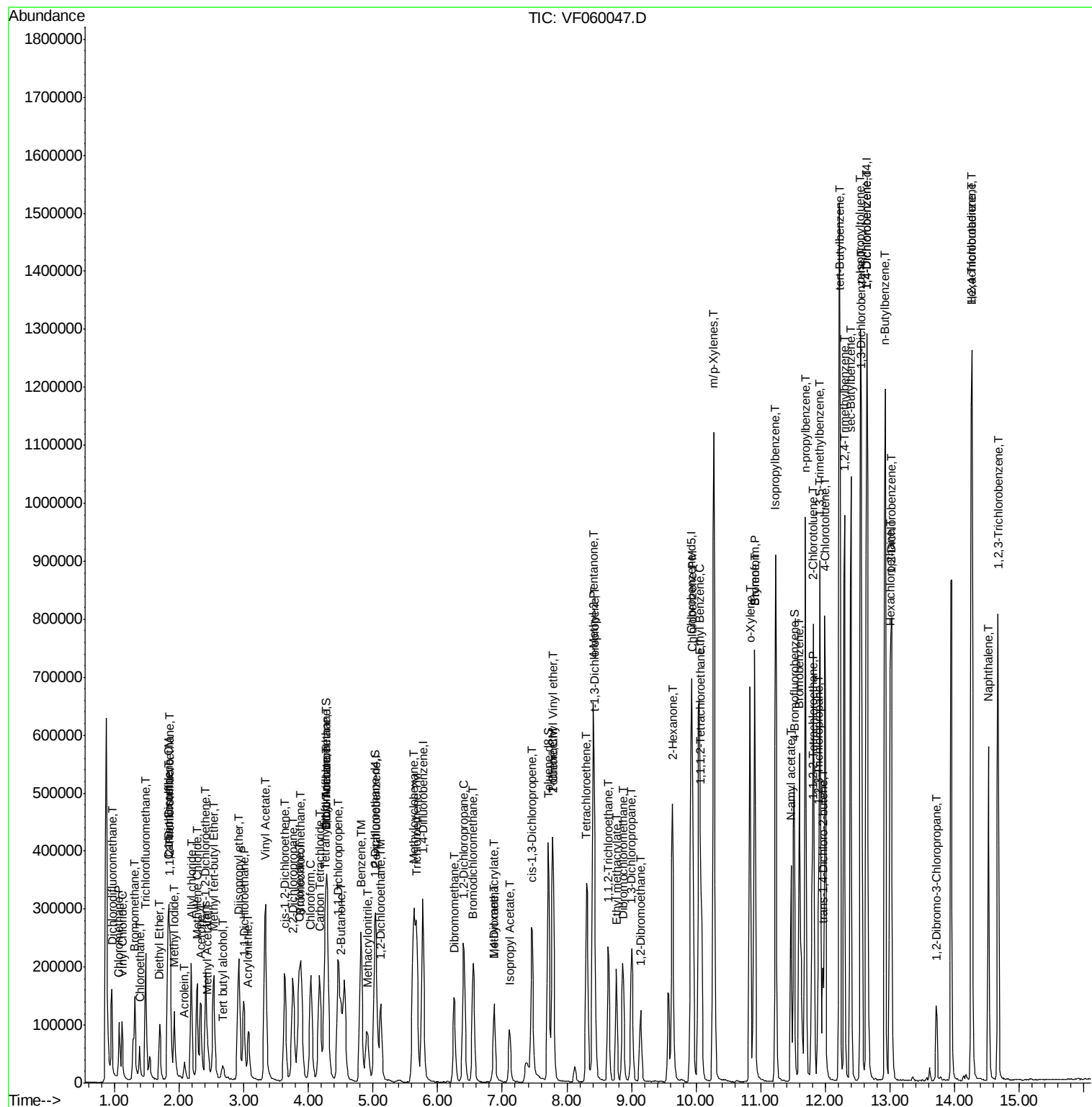
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	224638	51.041	ug/l	95
94) Hexachlorobutadiene	14.26	225	135222	49.364	ug/l	96
95) Naphthalene	14.52	128	405605	52.974	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	220804	52.585	ug/l	97

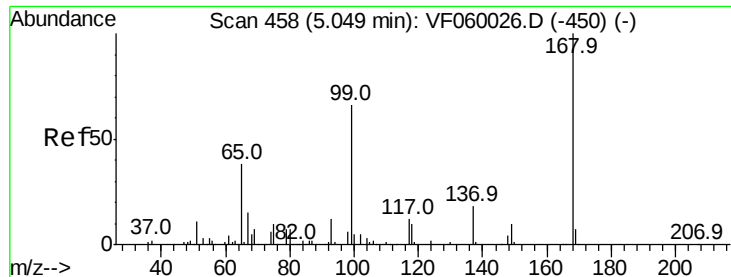
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

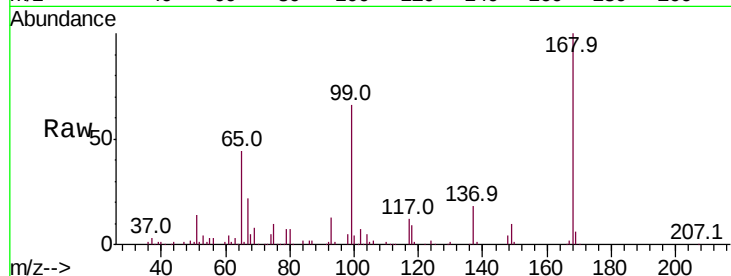
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 208604

Ion Ratio Lower Upper

168 100

99 66.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

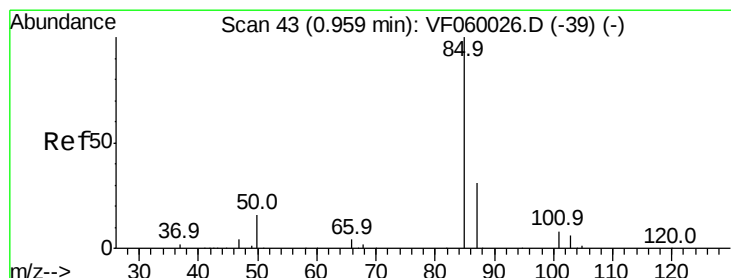
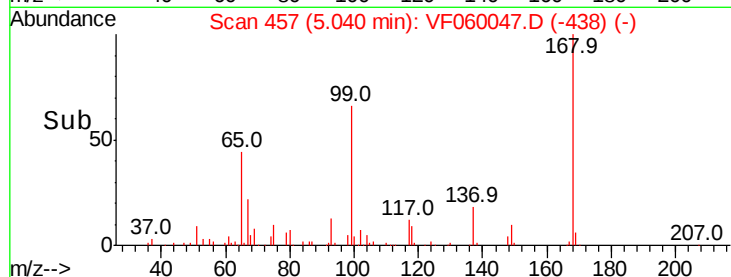
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 42.780 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060047.D

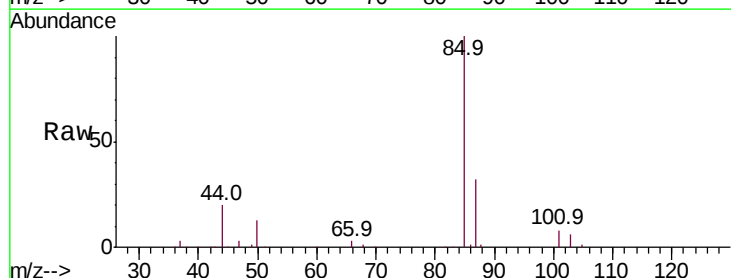
Acq: 23 Aug 2018 12:09

Tgt Ion: 85 Resp: 117489

Ion Ratio Lower Upper

85 100

87 31.8 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

80000

60000

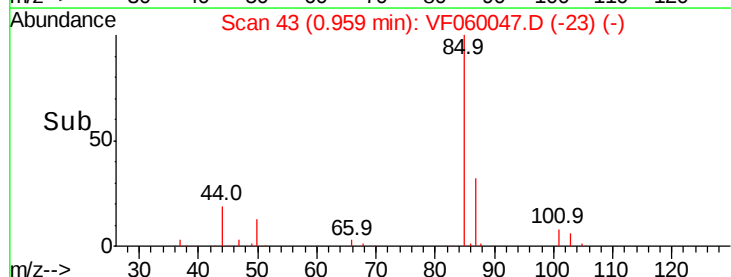
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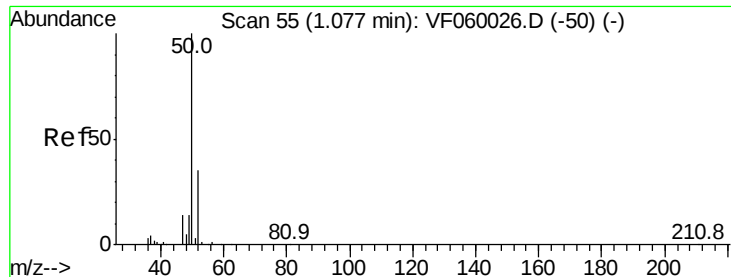
20000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 50.653 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

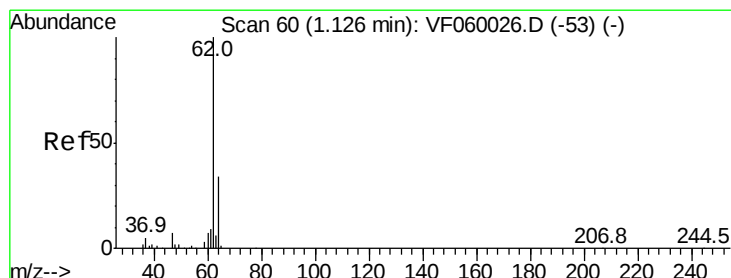
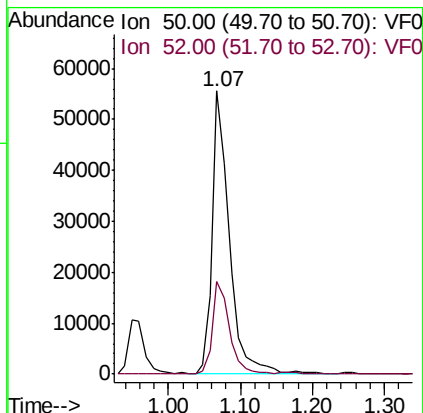
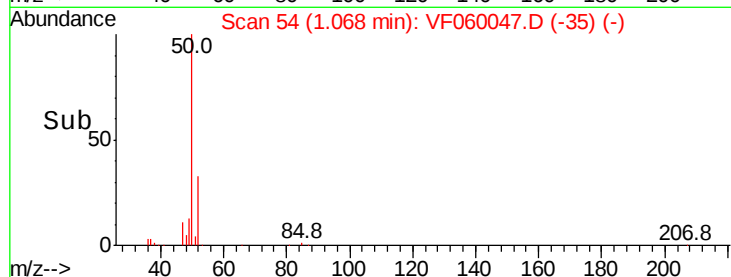
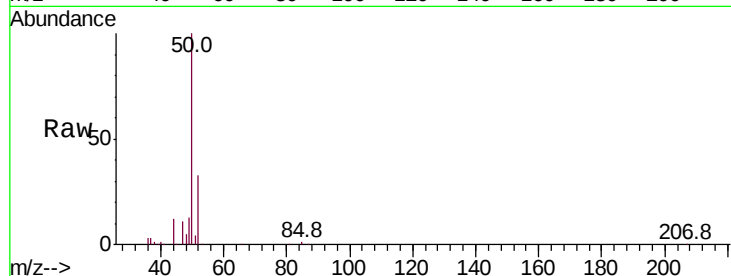
ClientSampled :

Tot Ion: 50 Resp: 90208

Ion Ratio Lower Upper

50 100

52 33.0 27.6 41.4



#4

Vinyl Chloride

Concen: 42.515 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060047.D

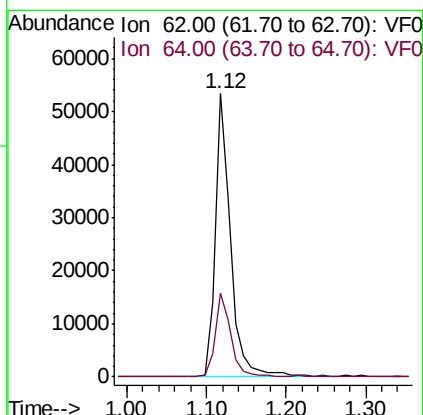
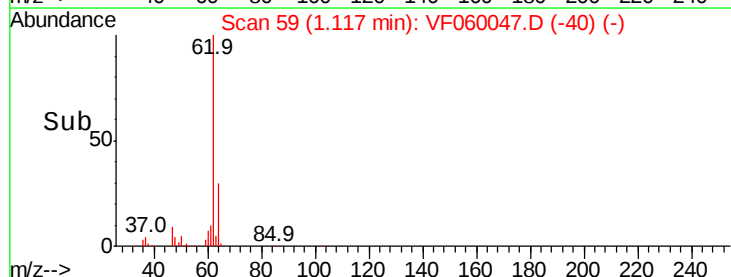
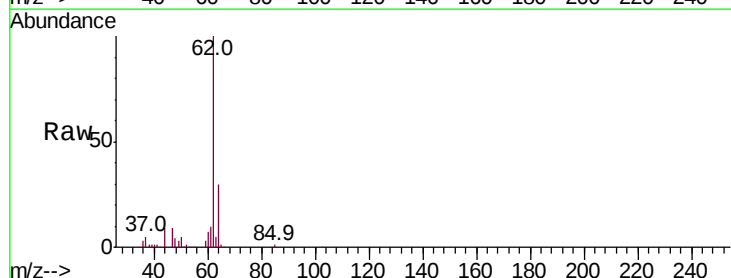
Acq: 23 Aug 2018 12:09

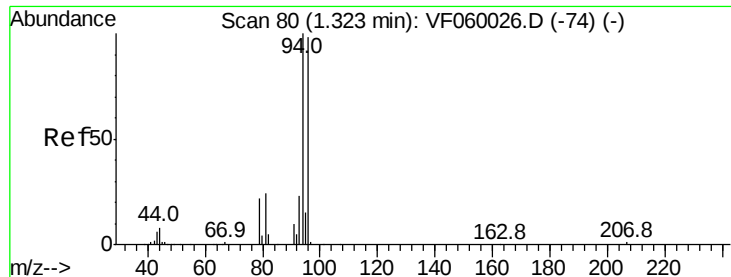
Tgt Ion: 62 Resp: 72495

Ion Ratio Lower Upper

62 100

64 29.6 27.4 41.2





#5

Bromomethane

Concen: 43.407 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

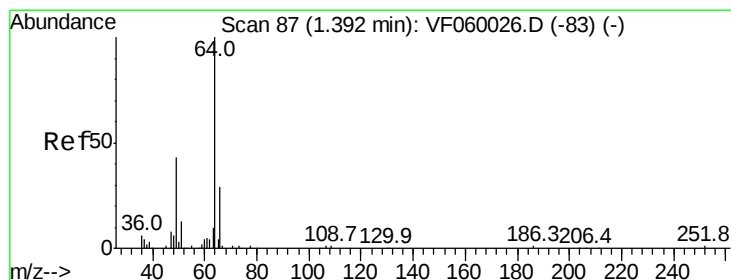
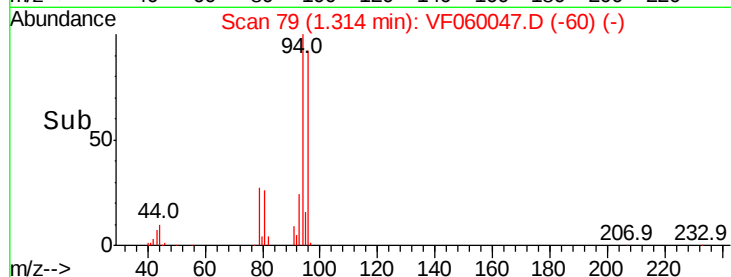
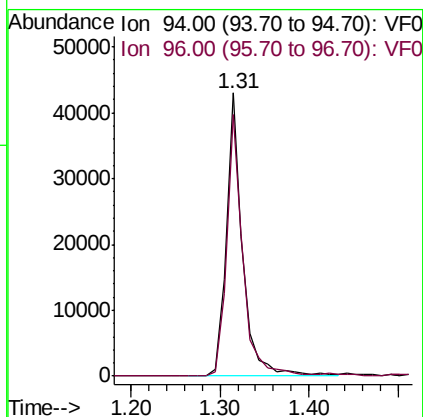
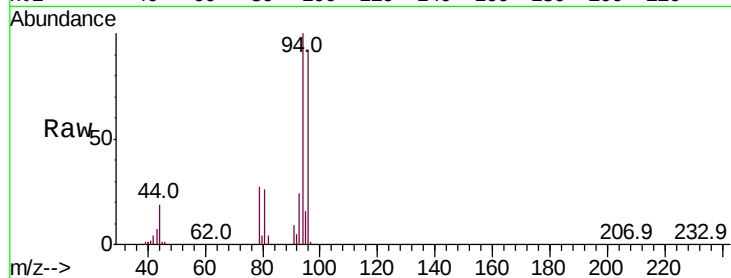
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 56244

Ion Ratio Lower Upper

94 100

96 92.5 78.6 118.0



#6

Chloroethane

Concen: 46.231 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060047.D

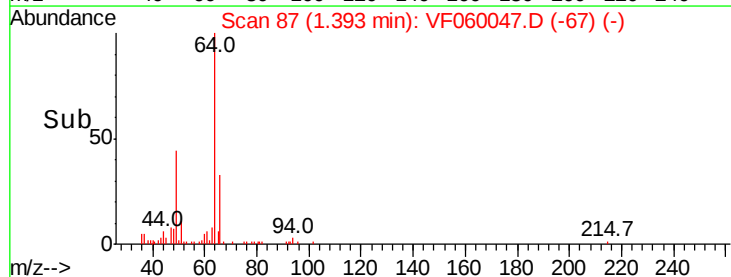
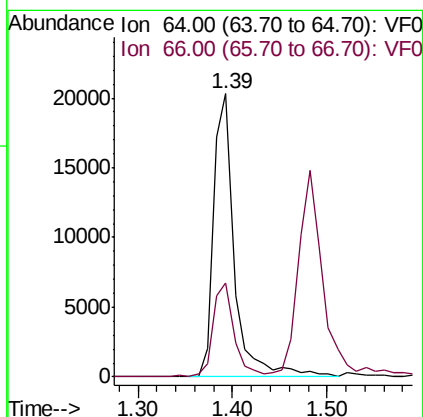
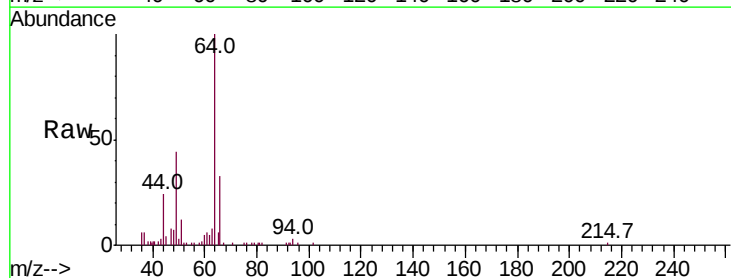
Acq: 23 Aug 2018 12:09

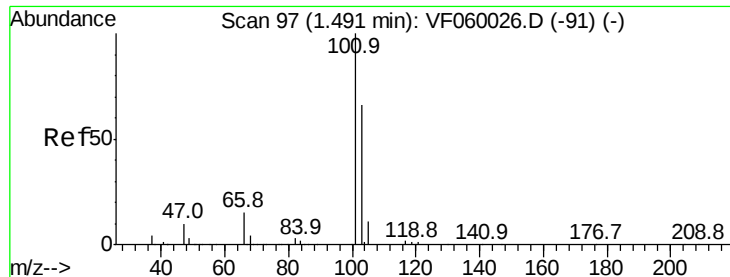
Tgt Ion: 64 Resp: 31075

Ion Ratio Lower Upper

64 100

66 33.4 24.1 36.1





#7

Trichlorofluoromethane

Concen: 52.074 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

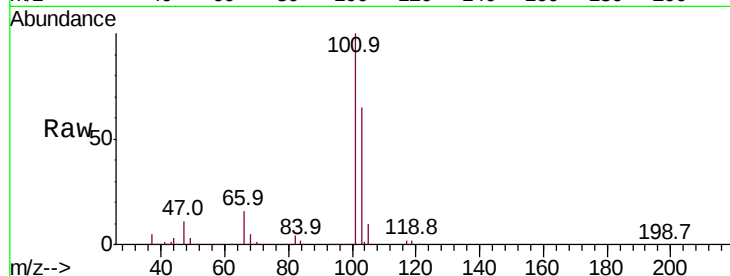
ClientSampleId :

Tot Ion:101 Resp: 178560

Ion Ratio Lower Upper

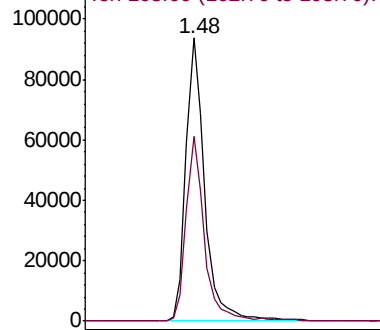
101 100

103 65.3 52.5 78.7

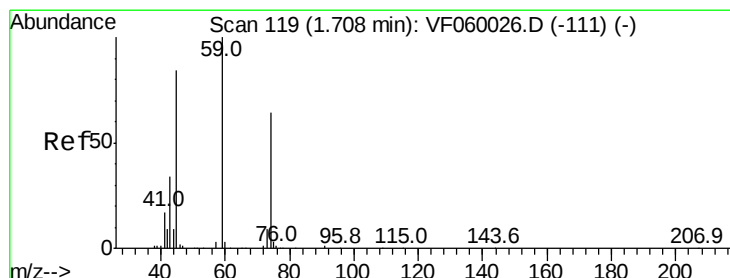
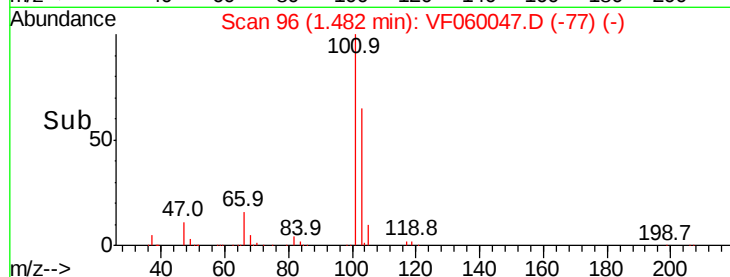


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#8

Diethyl Ether

Concen: 49.581 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060047.D

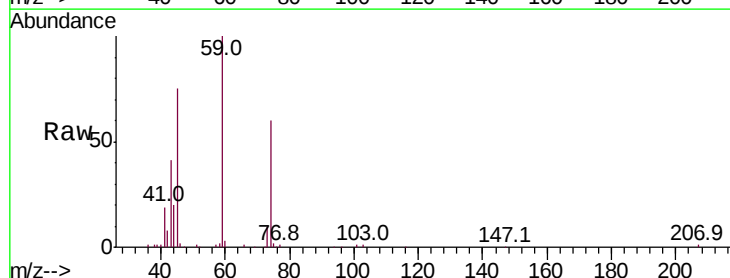
Acq: 23 Aug 2018 12:09

Tgt Ion: 74 Resp: 30395

Ion Ratio Lower Upper

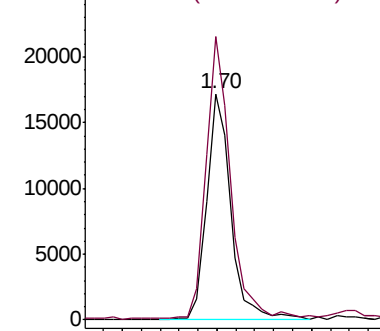
74 100

45 125.3 66.0 198.0

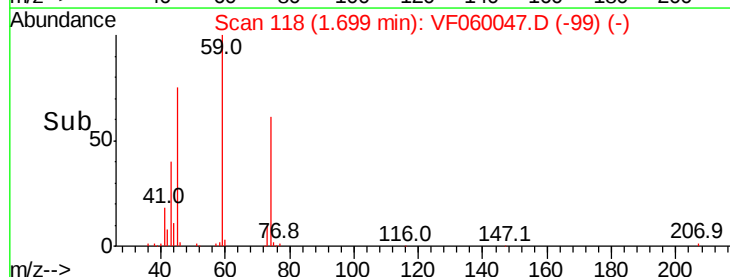


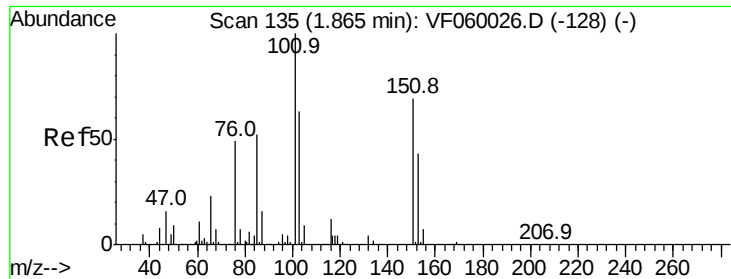
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.094 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

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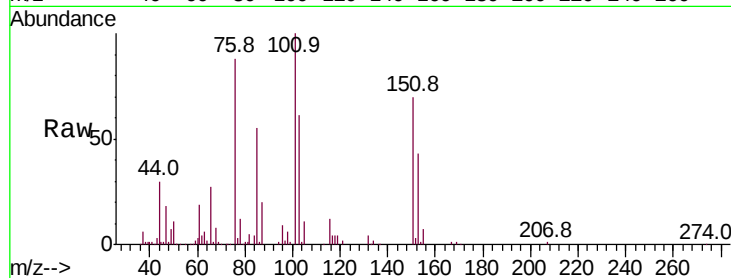
Tot Ion:101 Resp: 84763

Ion Ratio Lower Upper

101 100

85 54.7 41.5 62.3

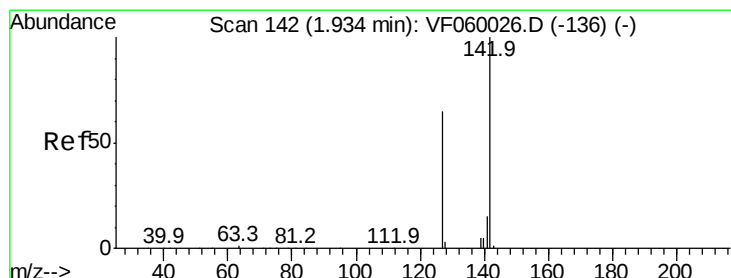
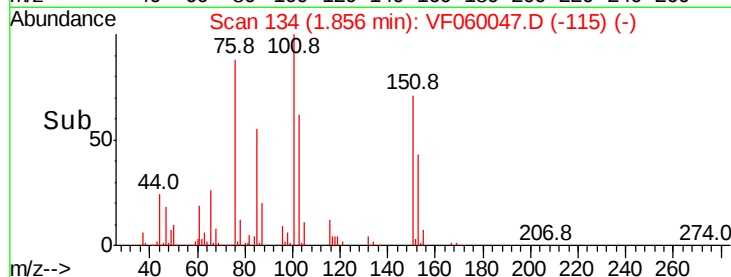
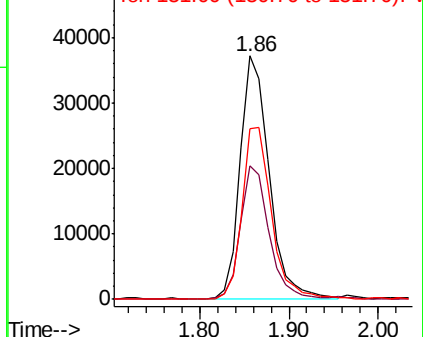
151 70.3 55.2 82.8



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: 47.623 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

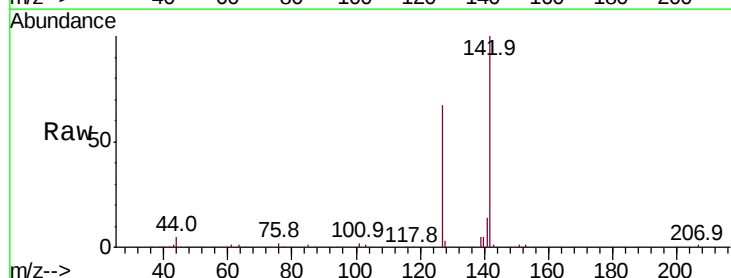
Tgt Ion:142 Resp: 113327

Ion Ratio Lower Upper

142 100

127 67.1 51.8 77.6

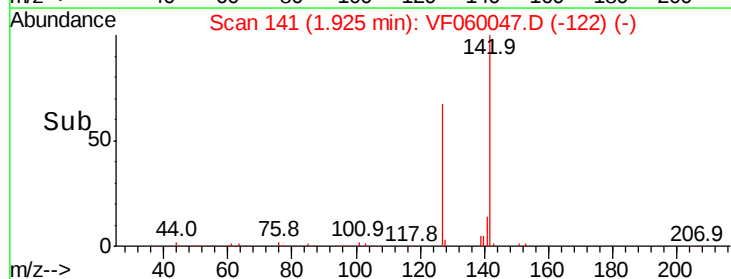
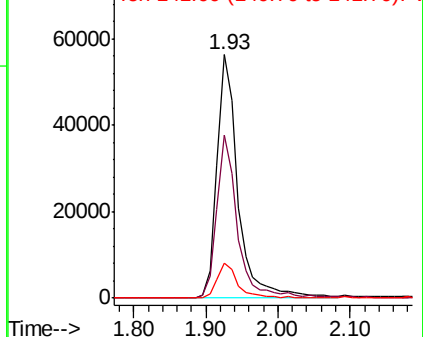
141 14.5 11.9 17.9

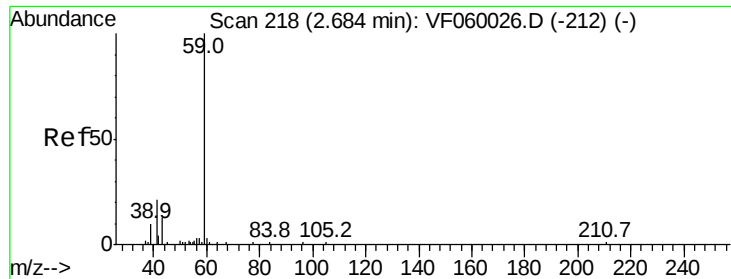


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



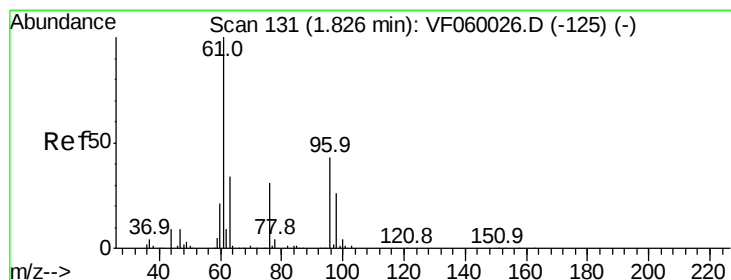
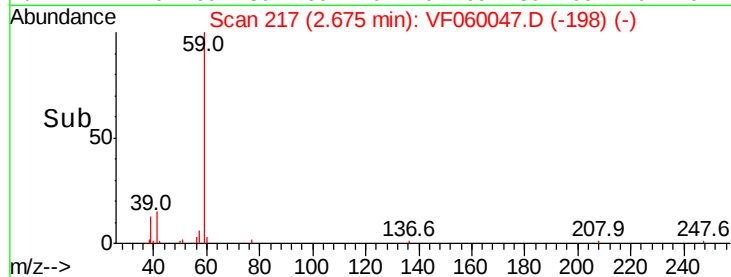
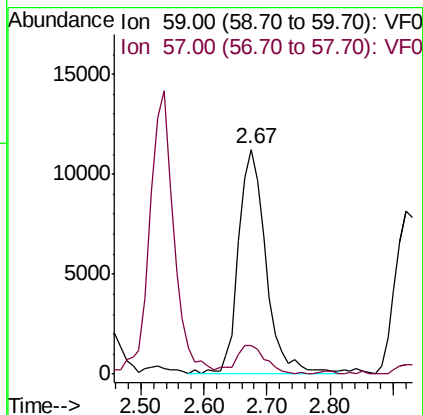
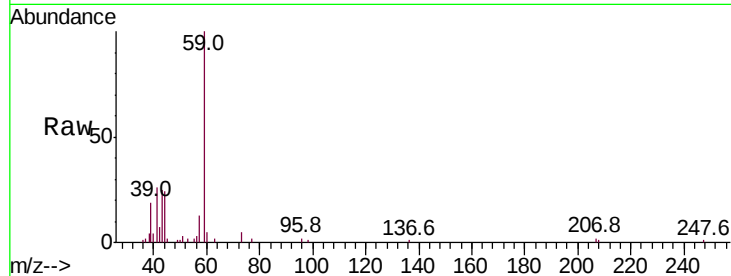


#11

Tert butyl alcohol
Concen: 224.764 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :

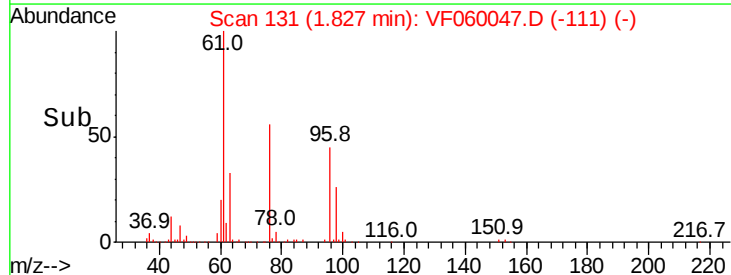
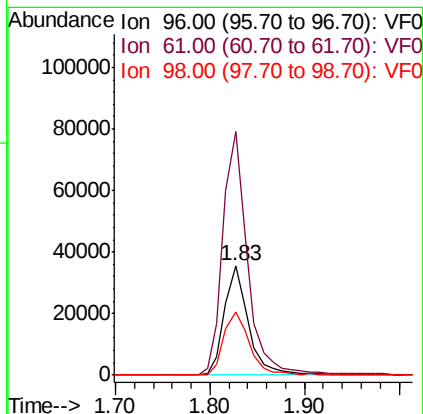
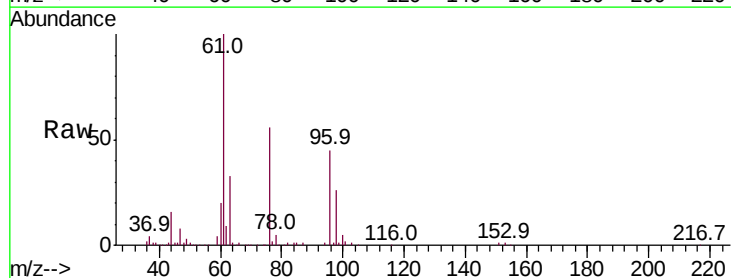
Tot Ion: 59 Resp: 34138
Ion Ratio Lower Upper
59 100
57 12.8 5.4 8.2#

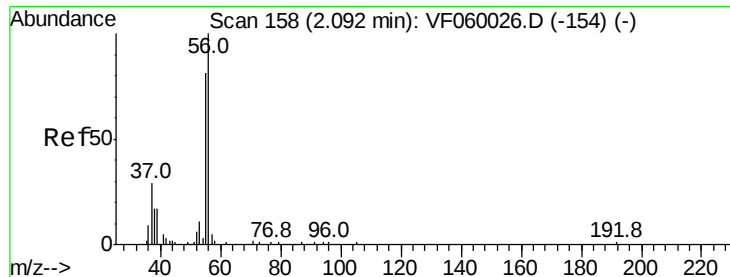


#12

1,1-Dichloroethene
Concen: 47.454 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 96 Resp: 62928
Ion Ratio Lower Upper
96 100
61 222.8 185.0 277.6
98 57.6 47.8 71.8





#13

Acrolein

Concen: 250.358 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

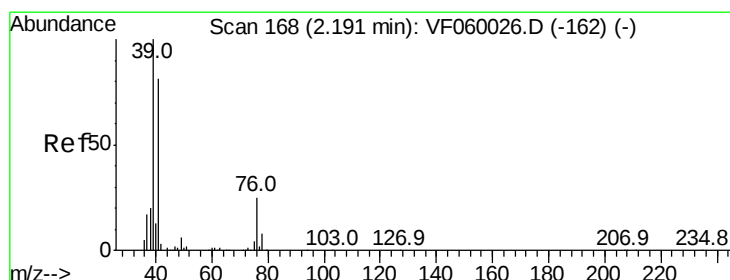
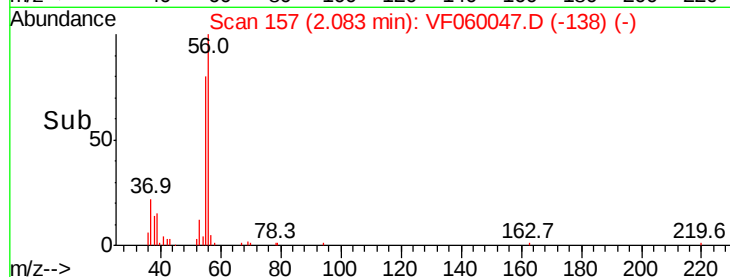
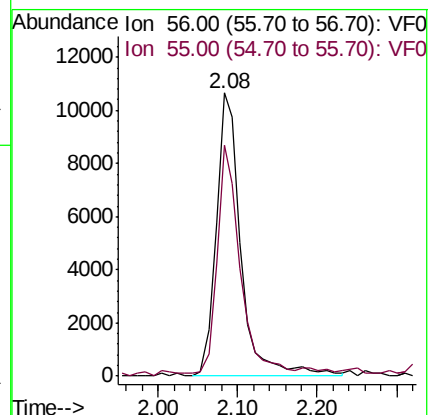
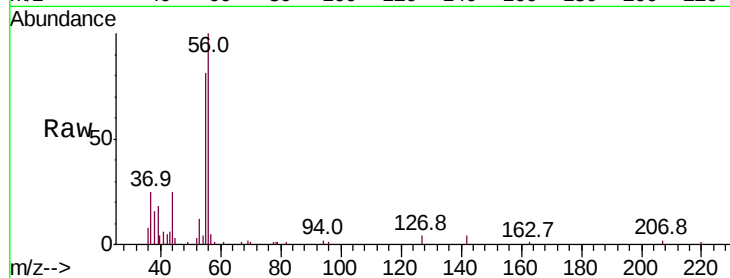
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 23235

Ion Ratio Lower Upper

56 100

55 81.4 65.6 98.4



#14

Allyl chloride

Concen: 47.998 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

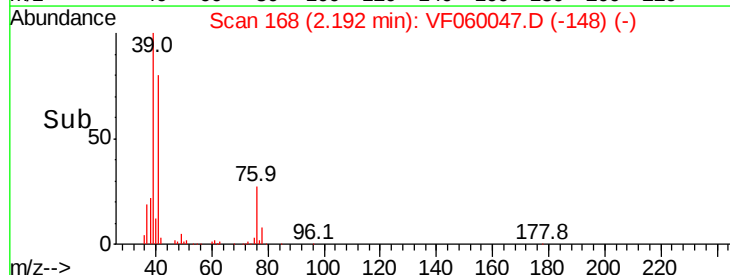
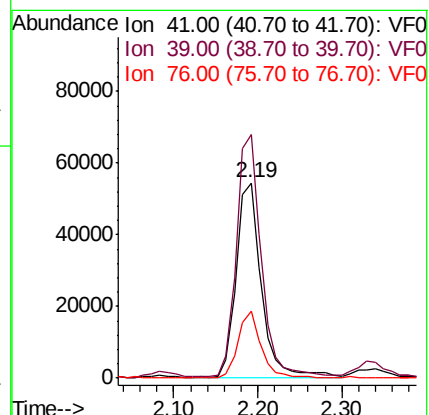
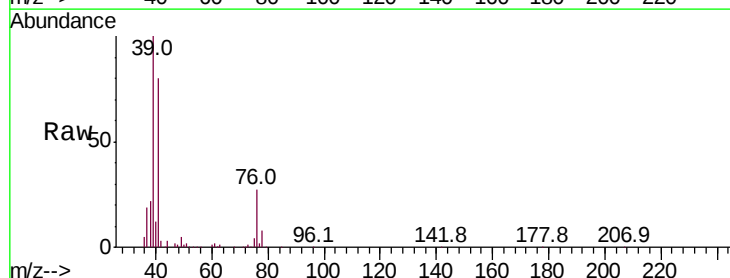
Tgt Ion: 41 Resp: 113040

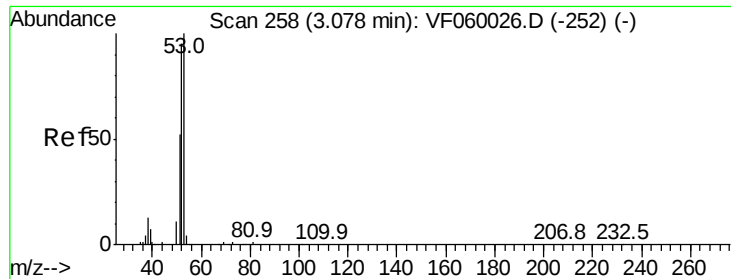
Ion Ratio Lower Upper

41 100

39 124.8 99.3 148.9

76 34.2 24.3 36.5





#15

Acrylonitrile

Concen: 235.222 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :

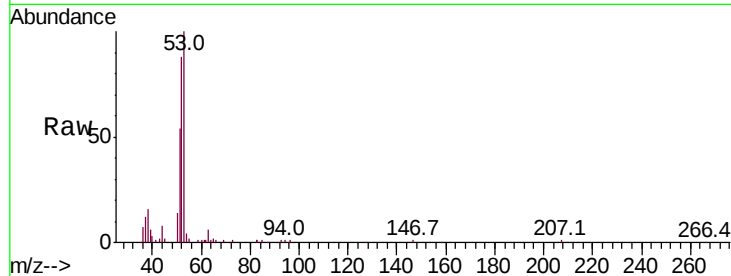
Tot Ion: 53 Resp: 70503

Ion	Ratio	Lower	Upper
53	100		
52	88.3	75.8	113.8
51	54.0	42.1	63.1

53 100

52 88.3 75.8 113.8

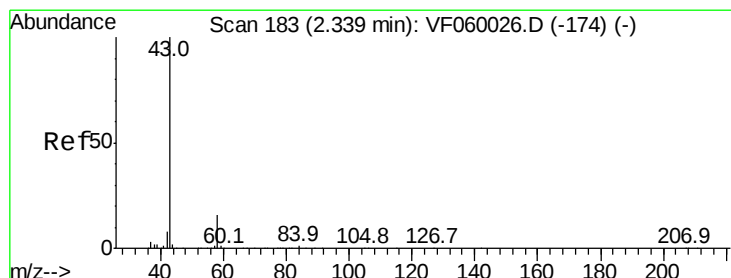
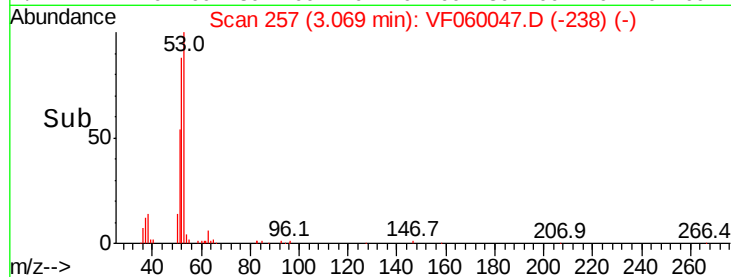
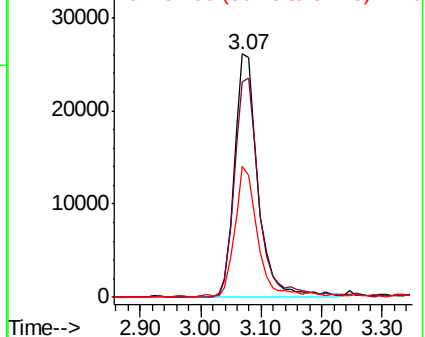
51 54.0 42.1 63.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 277.093 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060047.D

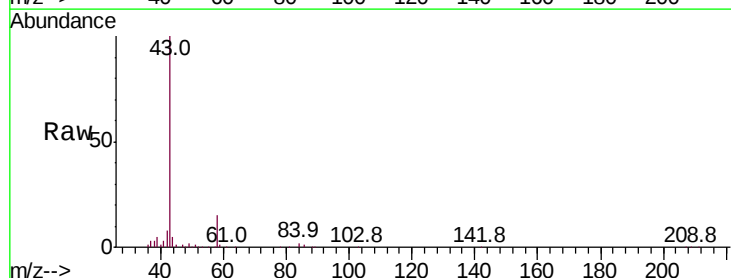
Acq: 23 Aug 2018 12:09

Tgt Ion: 43 Resp: 207917

Ion	Ratio	Lower	Upper
43	100		
58	15.4	12.6	19.0

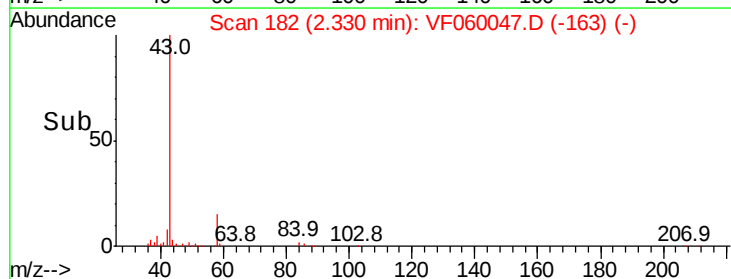
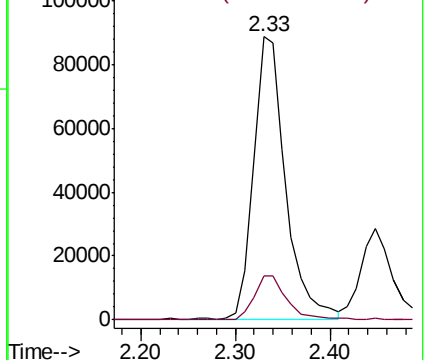
43 100

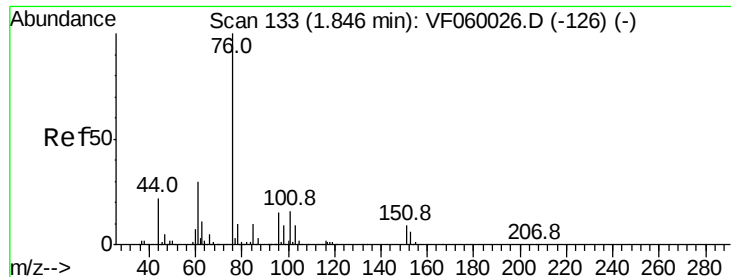
58 15.4 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

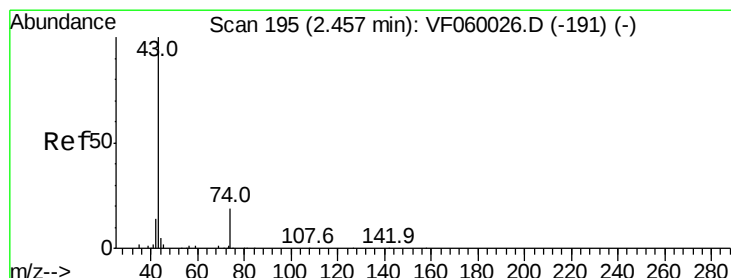
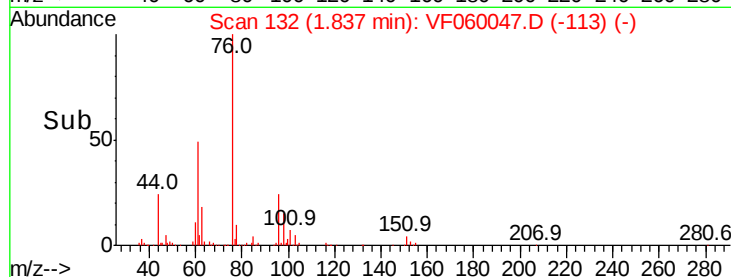
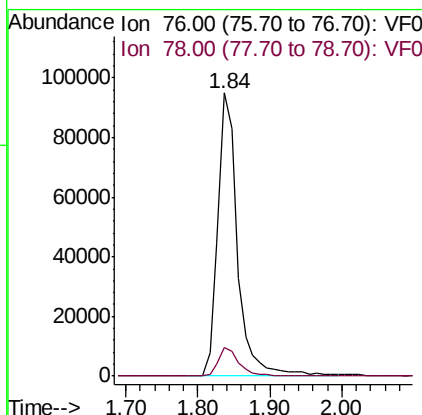
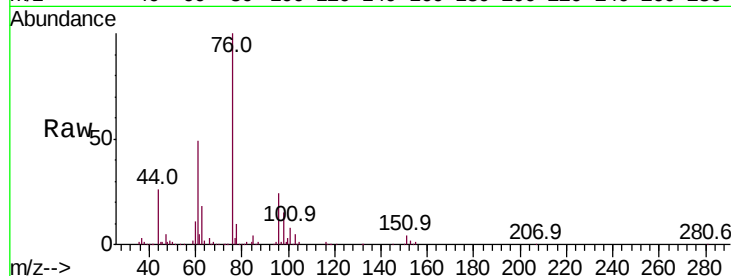




#17
Carbon Disulfide
Concen: 42.921 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

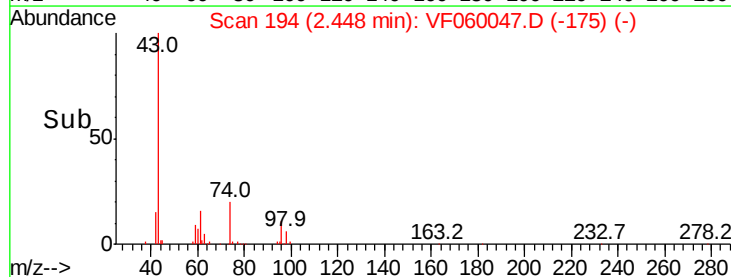
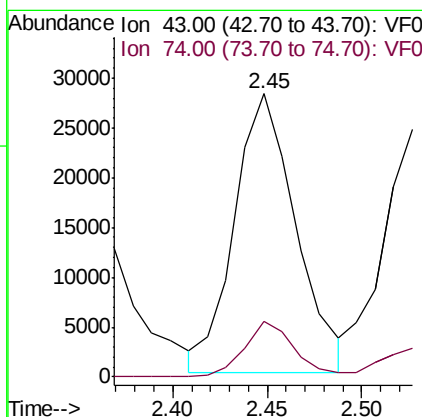
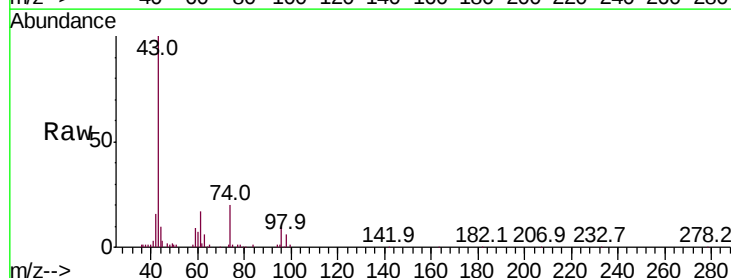
Instrument :
MSVOA_F
ClientSampleId :

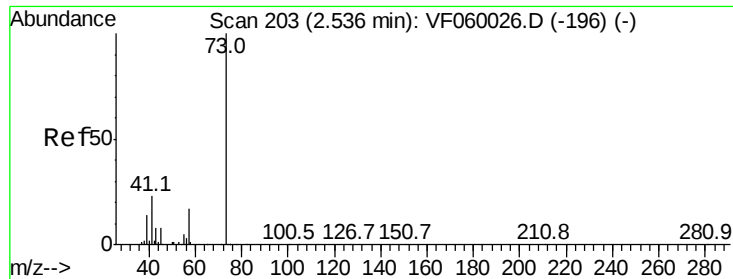
Tot Ion: 76 Resp: 178203
Ion Ratio Lower Upper
76 100
78 10.1 8.4 12.6



#18
Methyl Acetate
Concen: 49.202 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 43 Resp: 63149
Ion Ratio Lower Upper
43 100
74 19.7 13.8 20.6



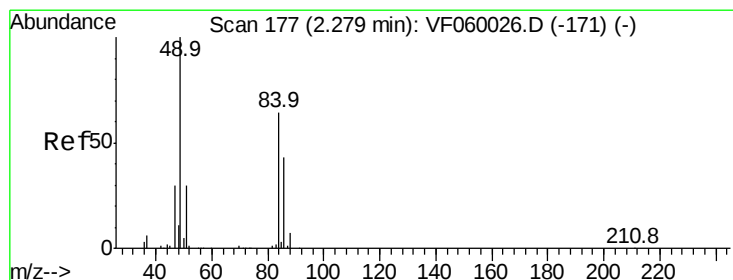
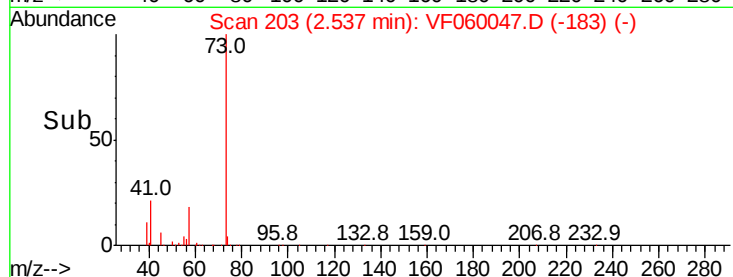
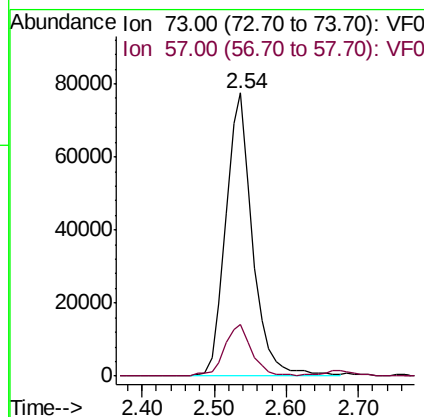
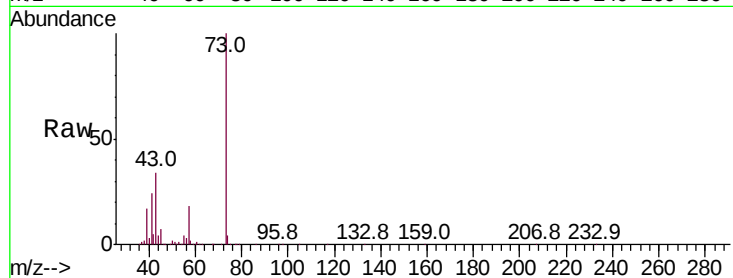


#19

Methyl tert-butyl Ether
 Concen: 46.939 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :

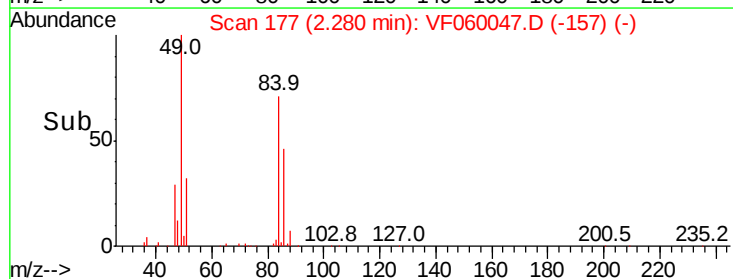
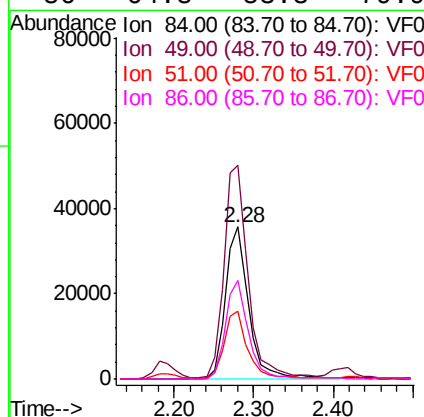
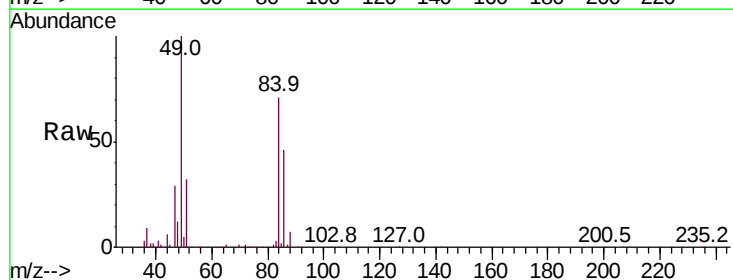
Tot Ion: 73 Resp: 199423
 Ion Ratio Lower Upper
 73 100
 57 18.3 13.7 20.5

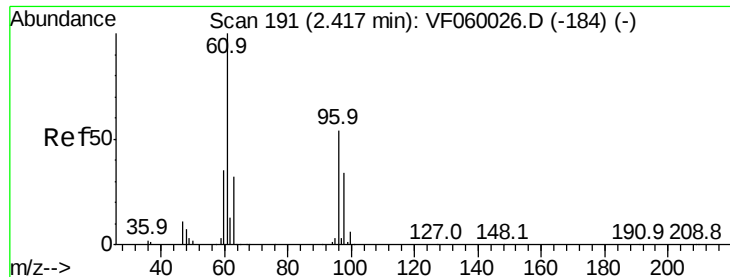


#20

Methylene Chloride
 Concen: 50.069 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion: 84 Resp: 73978
 Ion Ratio Lower Upper
 84 100
 49 140.3 125.4 188.0
 51 44.6 38.3 57.5
 86 64.8 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 43.577 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

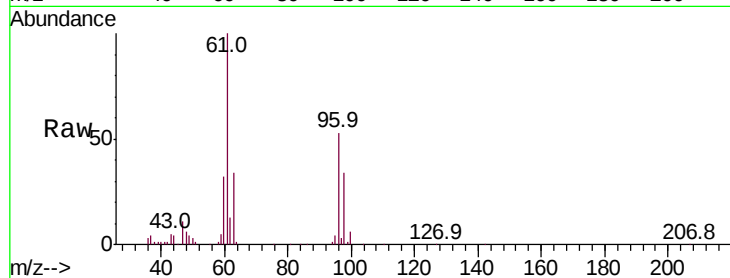
Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 96 Resp: 64657

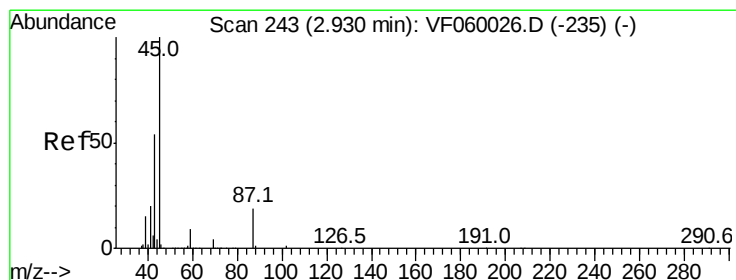
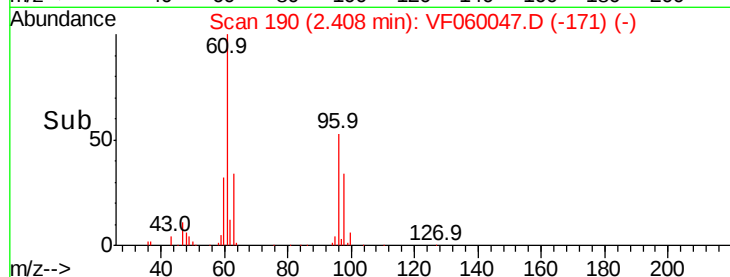
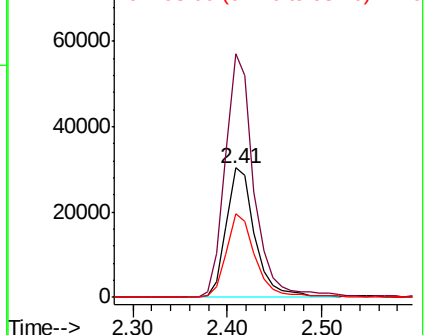
Ion	Ratio	Lower	Upper
96	100		
61	188.5	147.4	221.0
98	64.6	49.8	74.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 46.527 ug/l

RT: 2.92 min Scan# 242

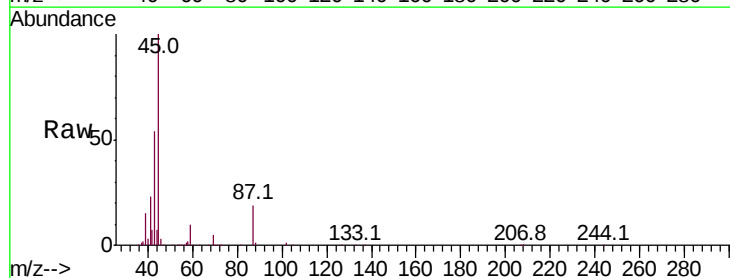
Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion: 45 Resp: 245364

Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.4	65.2
87	19.1	15.4	23.2
59	9.7	7.5	11.3

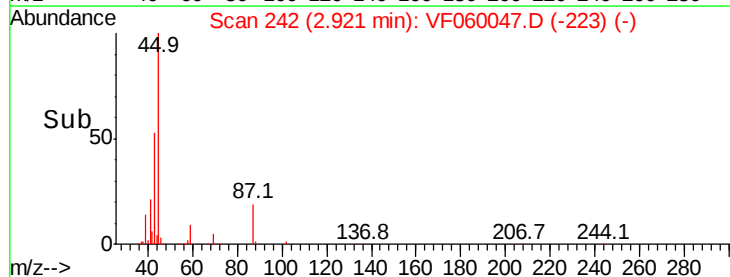
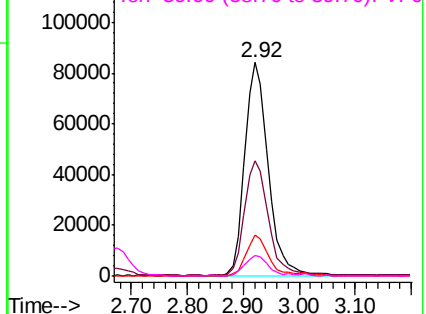


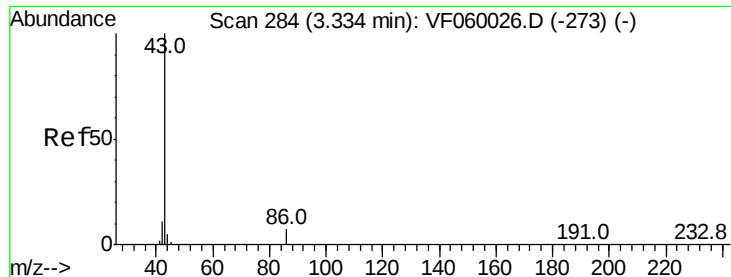
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 223.092 ug/l

RT: 3.34 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

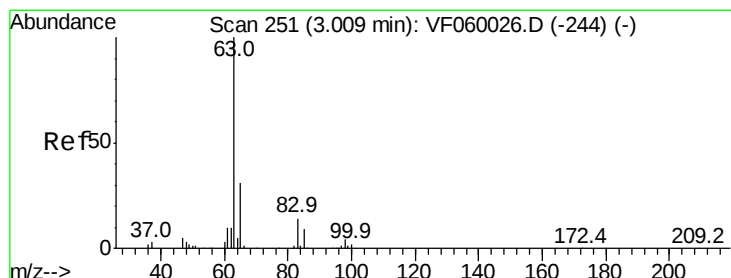
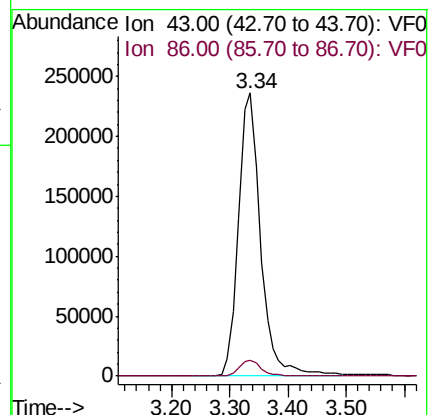
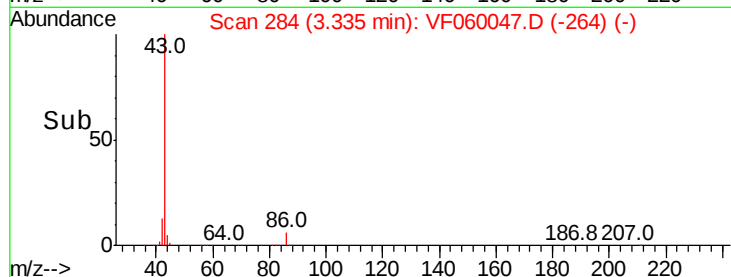
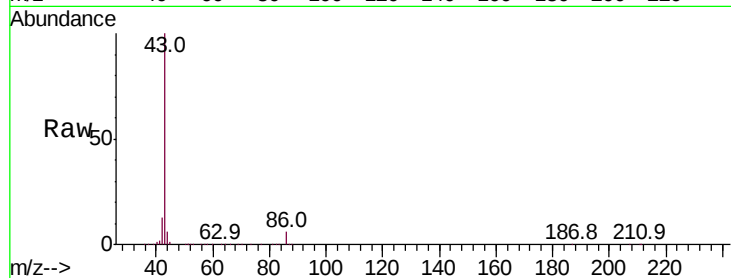
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 623268

Ion Ratio Lower Upper

43 100

86 5.6 5.6 8.4



#24

1,1-Dichloroethane

Concen: 47.811 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

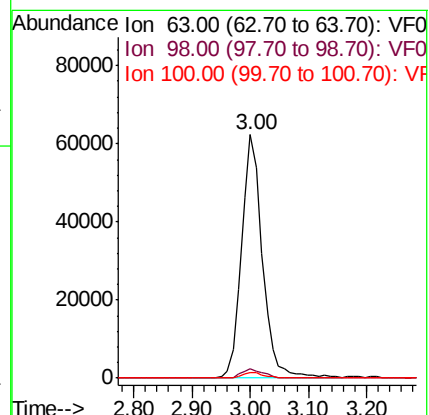
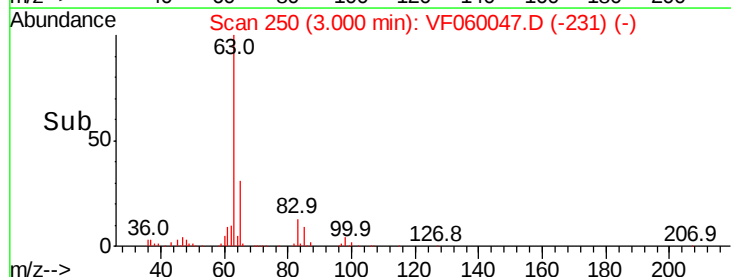
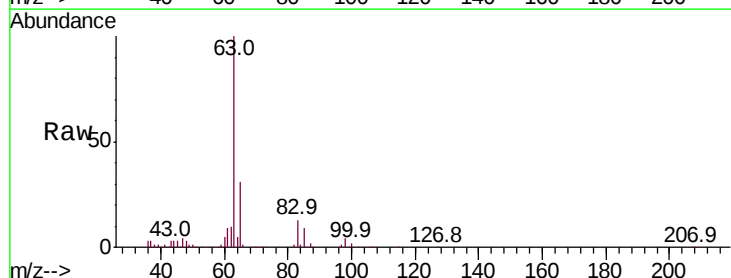
Tgt Ion: 63 Resp: 155760

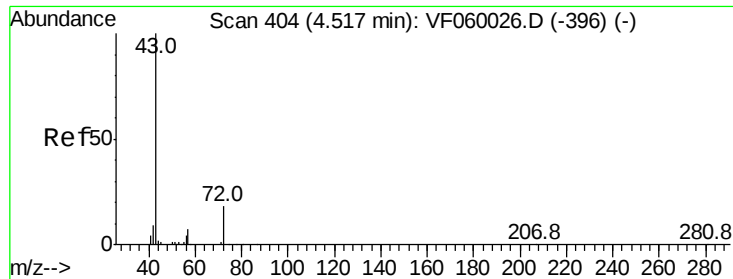
Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.5

100 2.1 1.1 3.3





#25

2-Butanone

Concen: 251.772 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

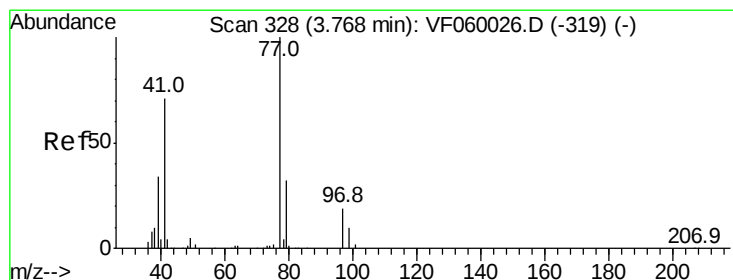
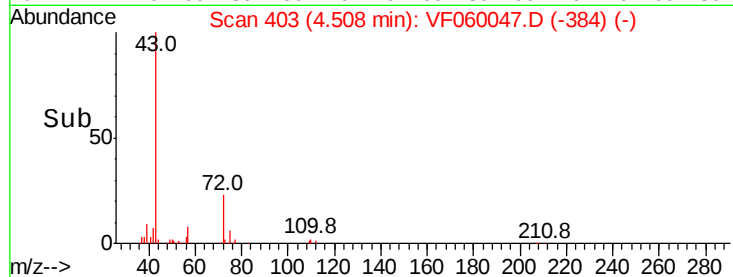
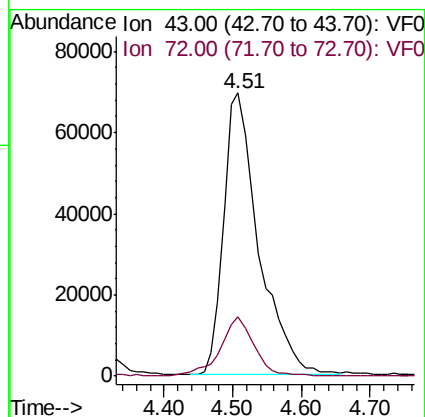
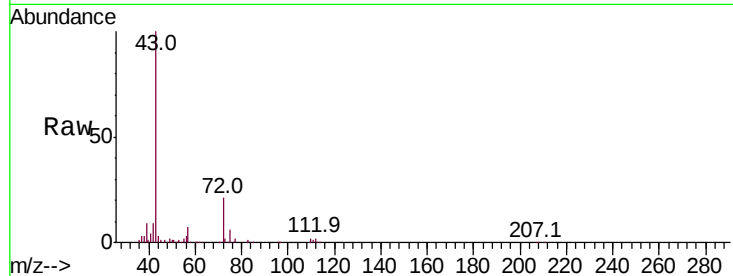
ClientSampleId :

Tot Ion: 43 Resp: 245390

Ion Ratio Lower Upper

43 100

72 21.0 15.0 22.6



#26

2,2-Dichloropropane

Concen: 51.491 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060047.D

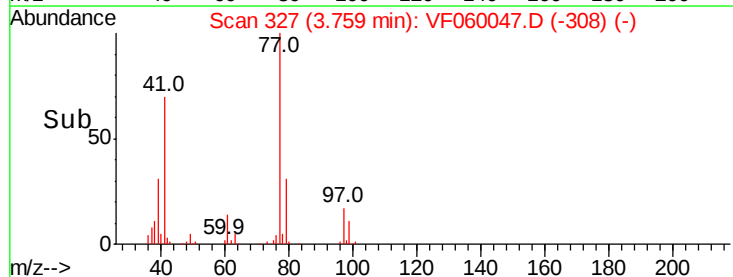
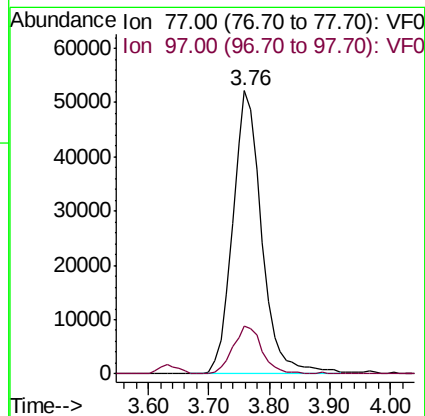
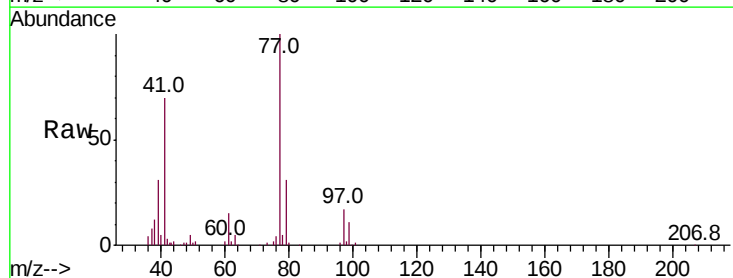
Acq: 23 Aug 2018 12:09

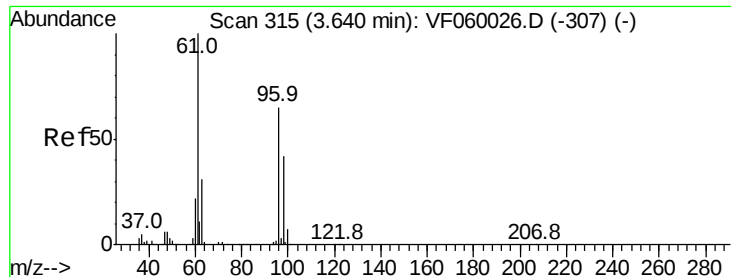
Tgt Ion: 77 Resp: 173553

Ion Ratio Lower Upper

77 100

97 17.1 9.7 29.1



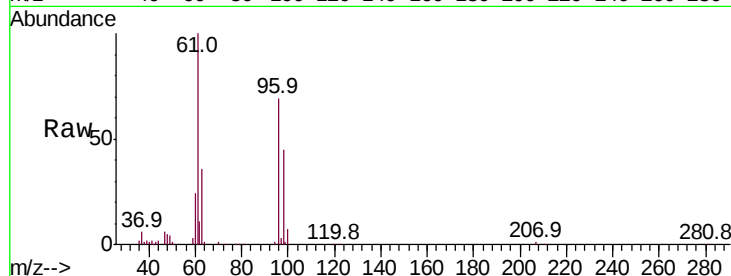


#27

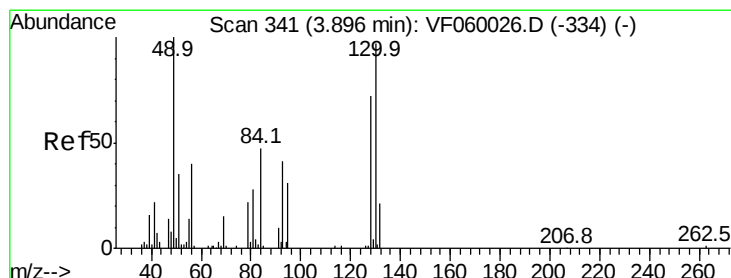
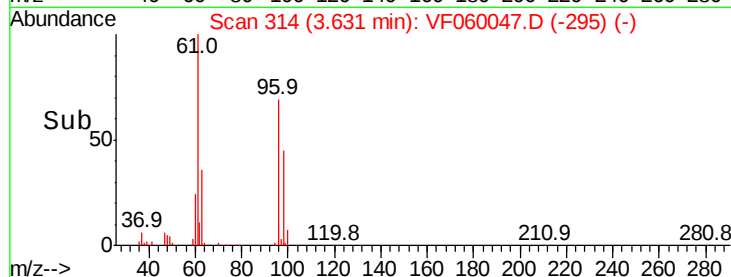
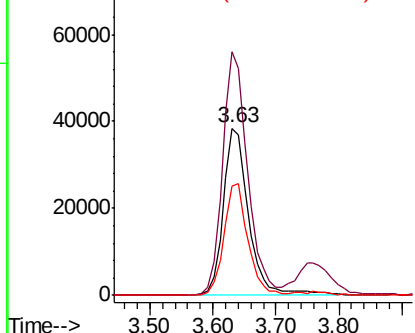
cis-1,2-Dichloroethene
Concen: 50.931 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	96	Resp	107086
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	307.6
98	65.8	0.0	128.4



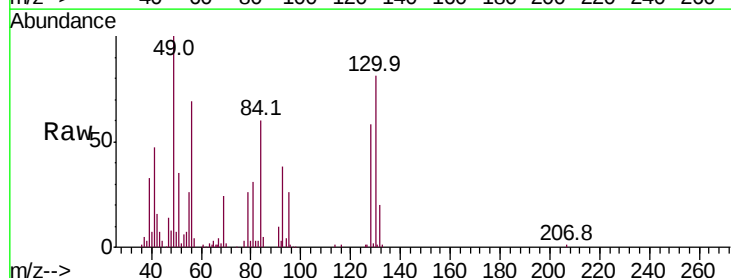
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



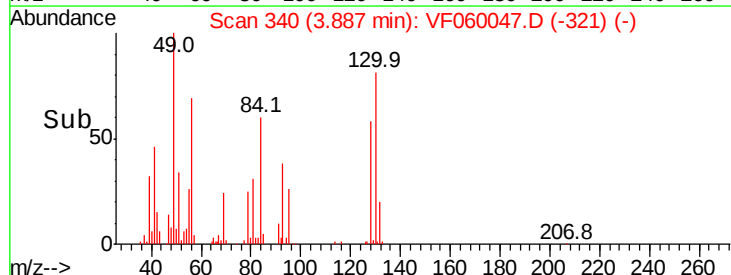
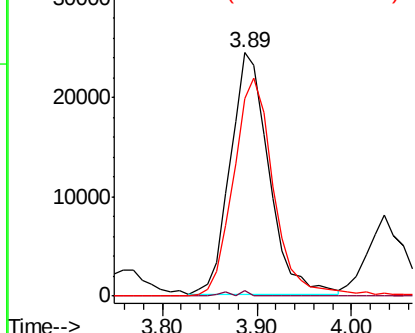
#28

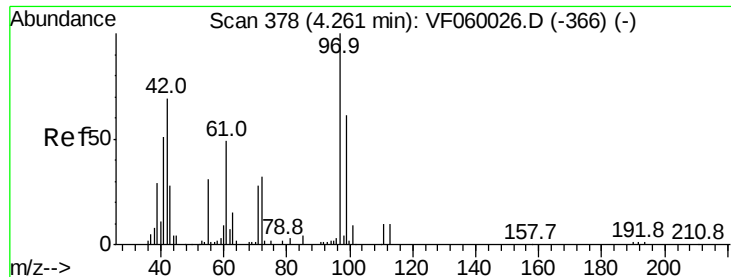
Bromochloromethane
Concen: 49.892 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	49	Resp	68623
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	7.4
130	82.5	78.0	117.0



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

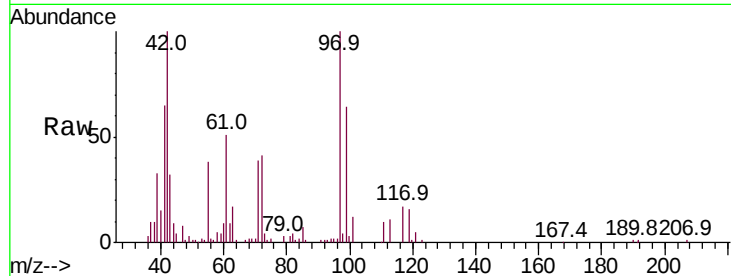




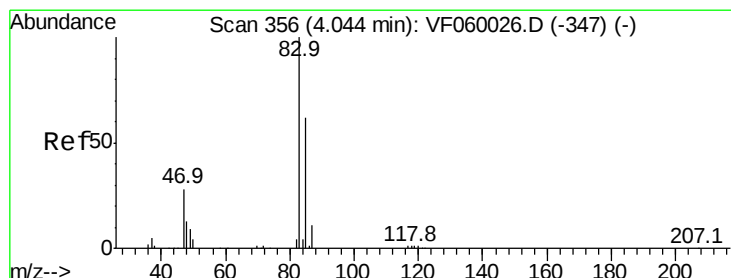
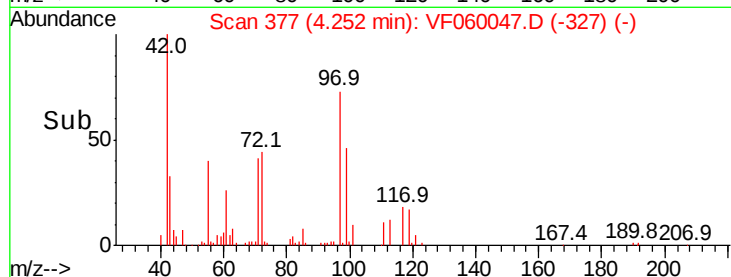
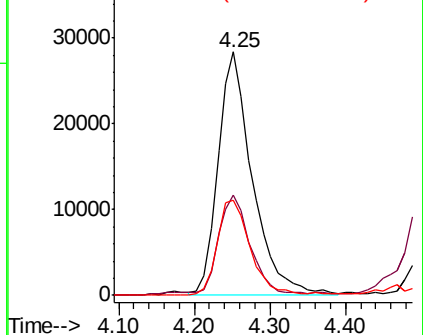
#29
Tetrahydrofuran
Concen: 242.352 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 89182
Ion Ratio Lower Upper
42 100
72 40.4 31.4 47.2
71 37.9 29.7 44.5

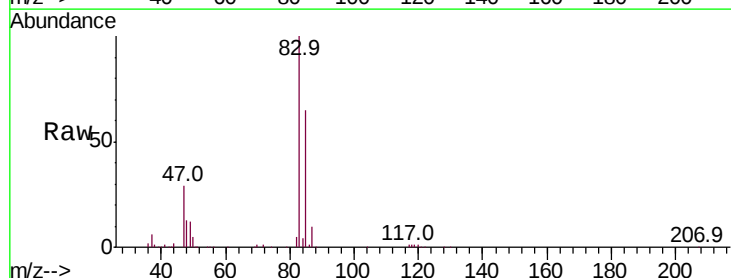


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

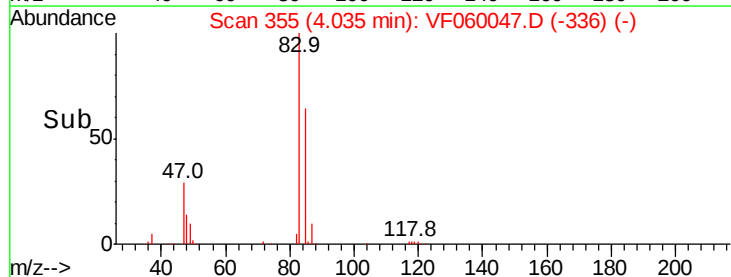
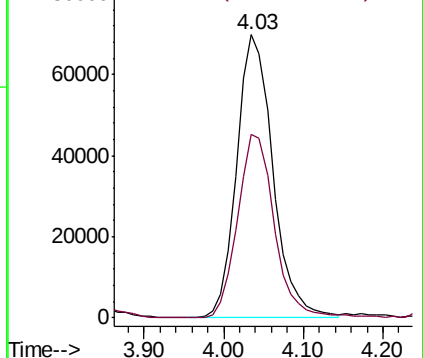


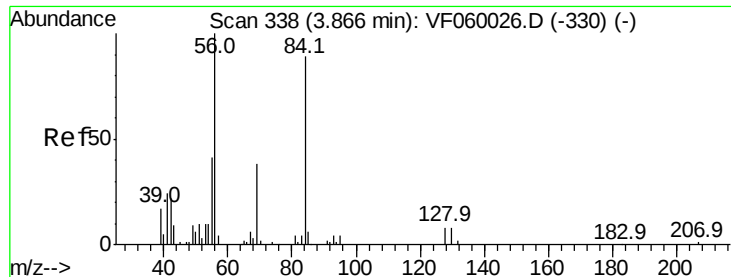
#30
Chloroform
Concen: 48.224 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 83 Resp: 220525
Ion Ratio Lower Upper
83 100
85 65.0 49.5 74.3



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





#31

Cyclohexane

Concen: 44.939 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :

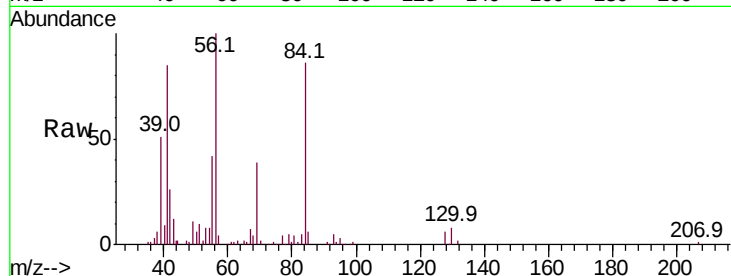
Tot Ion: 56 Resp: 111556

Ion Ratio Lower Upper

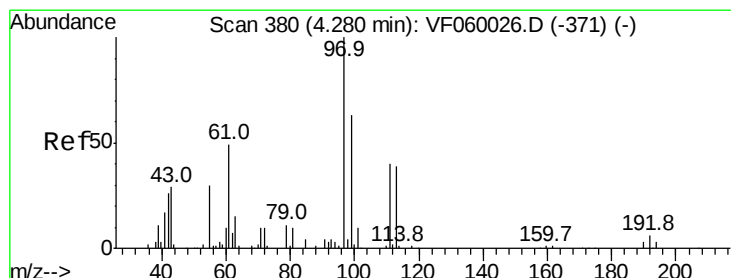
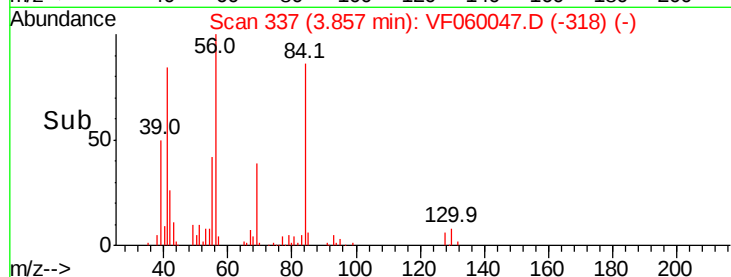
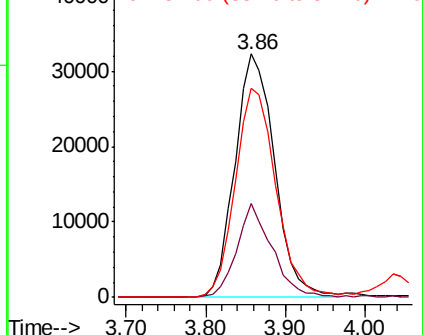
56 100

69 38.8 30.4 45.6

84 85.7 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 46.936 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

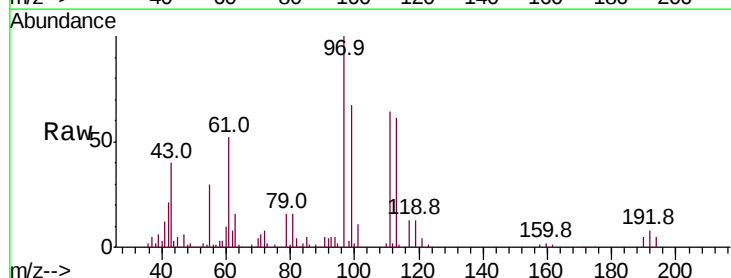
Tgt Ion: 97 Resp: 183802

Ion Ratio Lower Upper

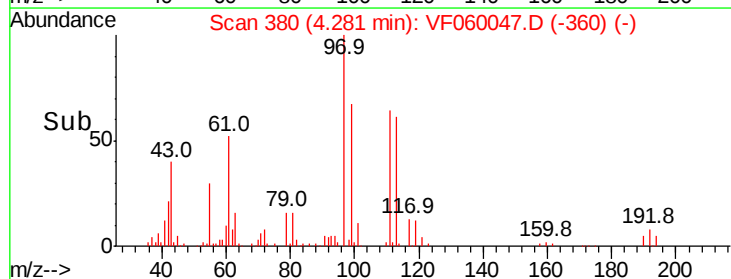
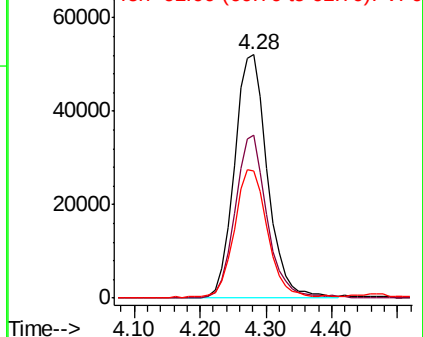
97 100

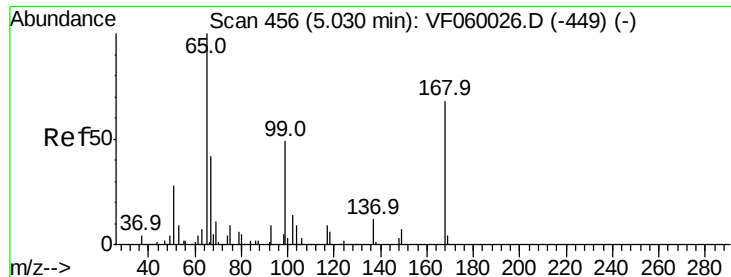
99 66.9 50.3 75.5

61 52.4 40.3 60.5



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





#33

1,2-Dichloroethane-d4

Concen: 47.468 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

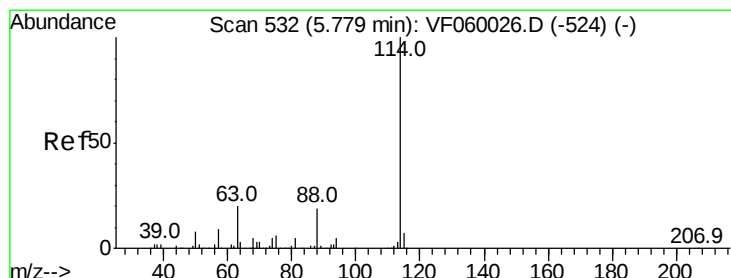
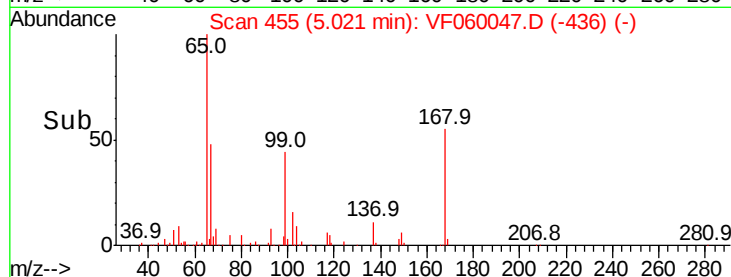
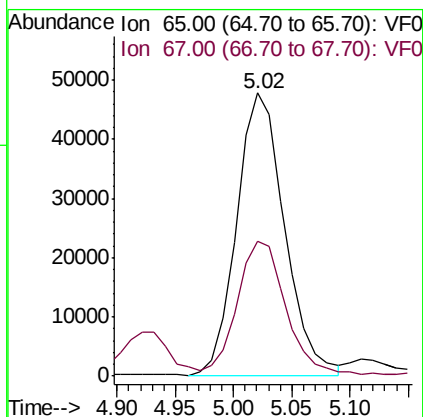
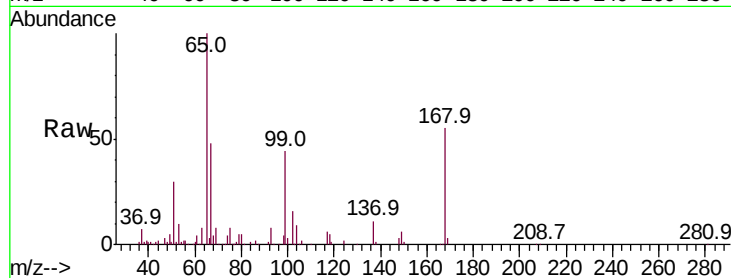
ClientSampleId :

Tot Ion: 65 Resp: 135522

Ion Ratio Lower Upper

65 100

67 47.6 0.0 92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

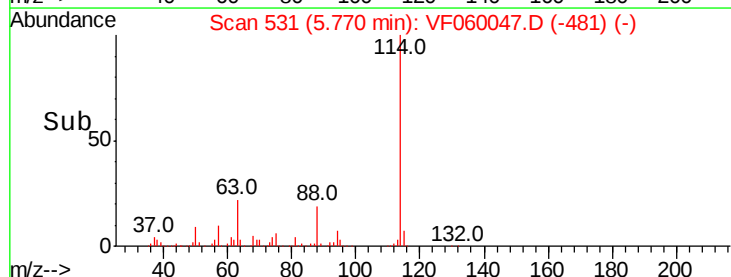
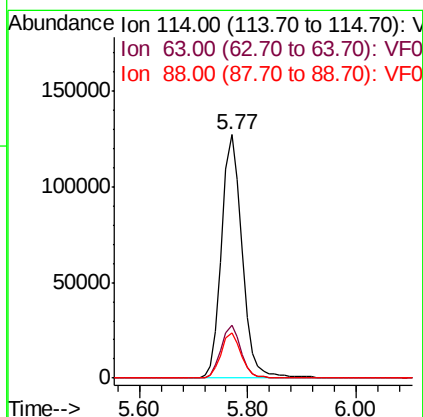
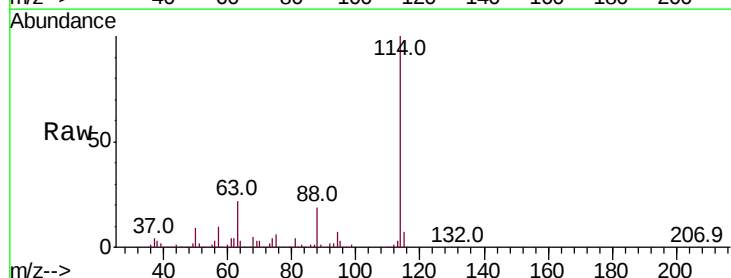
Tgt Ion: 114 Resp: 334732

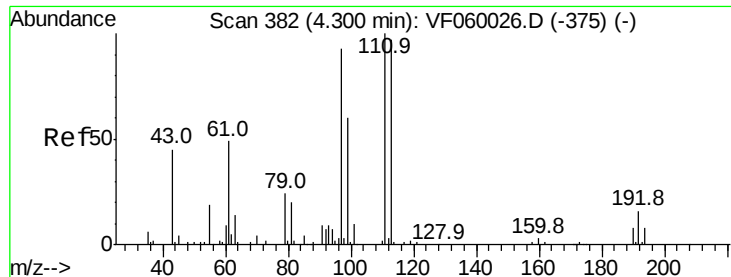
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 18.5 0.0 38.6





#35

Dibromofluoromethane

Concen: 46.874 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :

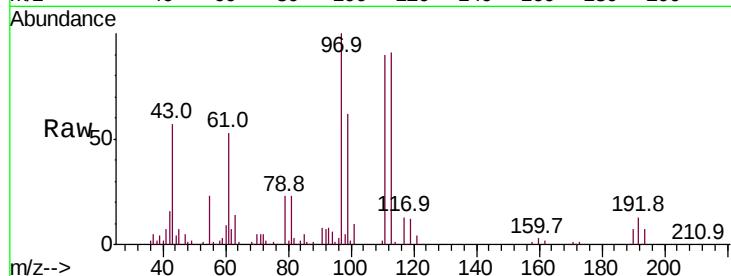
Tot Ion:113 Resp: 123209

Ion Ratio Lower Upper

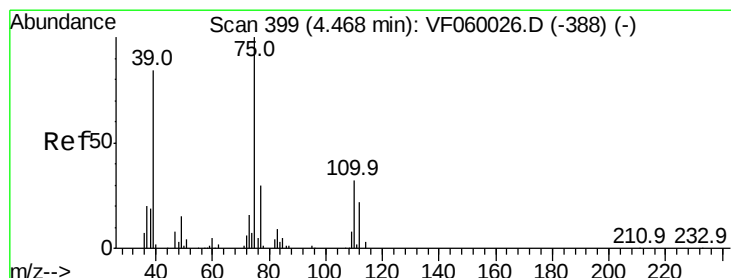
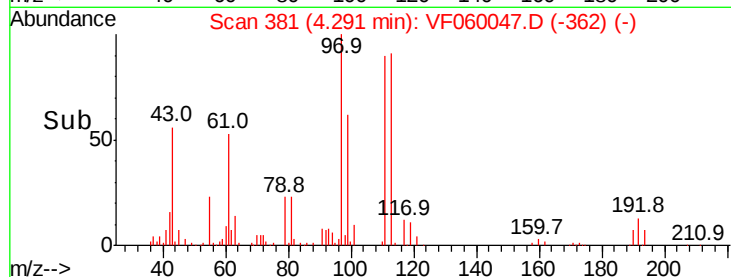
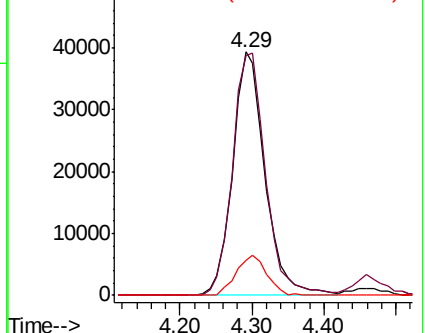
113 100

111 98.5 82.7 124.1

192 14.3 13.0 19.4



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: 44.947 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

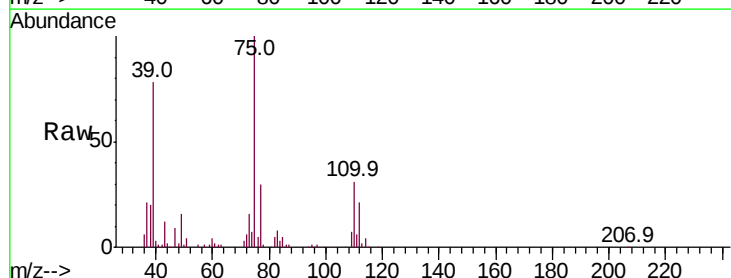
Tgt Ion: 75 Resp: 141386

Ion Ratio Lower Upper

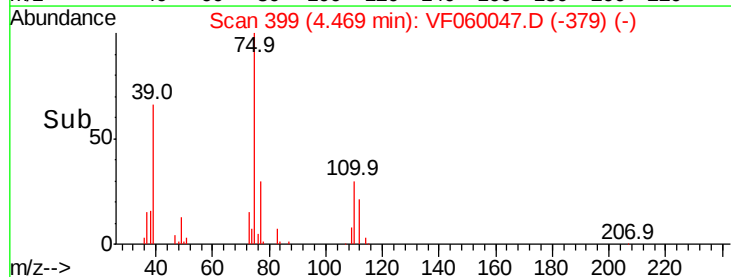
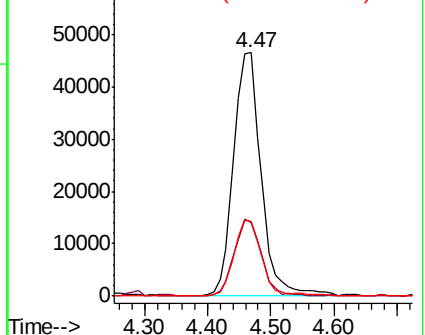
75 100

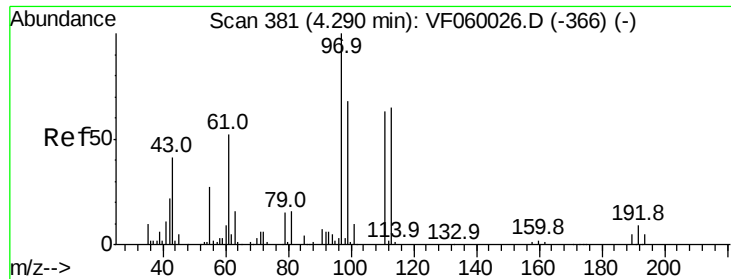
110 30.8 16.0 47.9

77 29.9 24.1 36.1



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

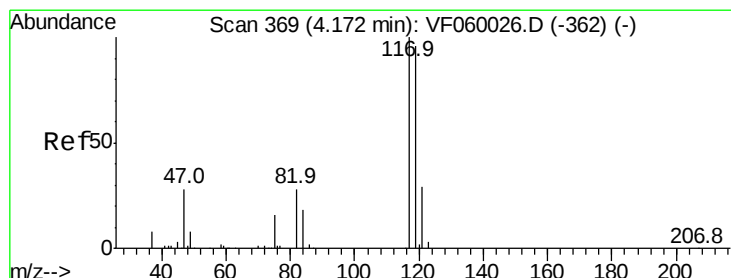
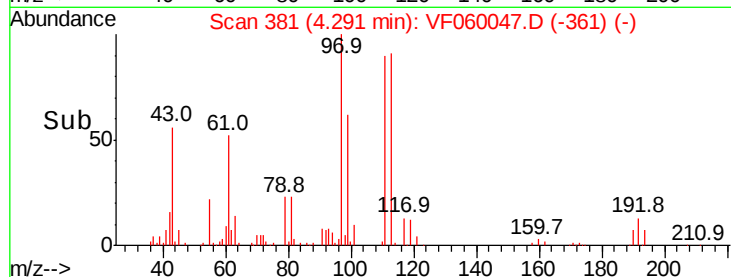
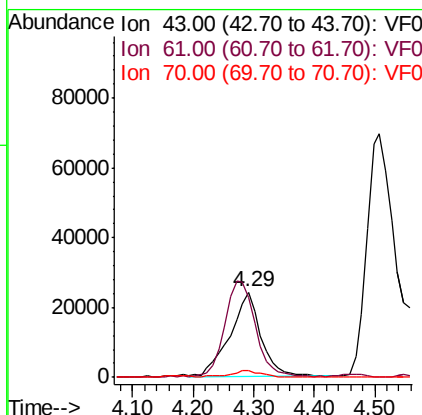
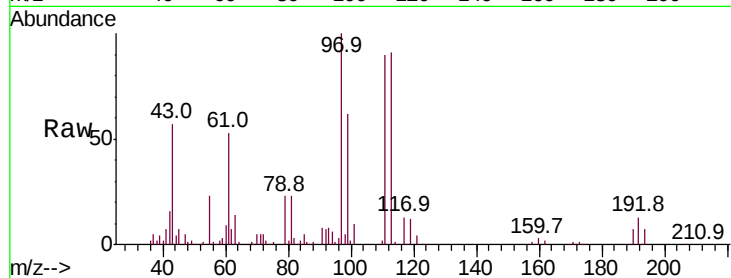




#37
Ethyl Acetate
Concen: 45.583 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

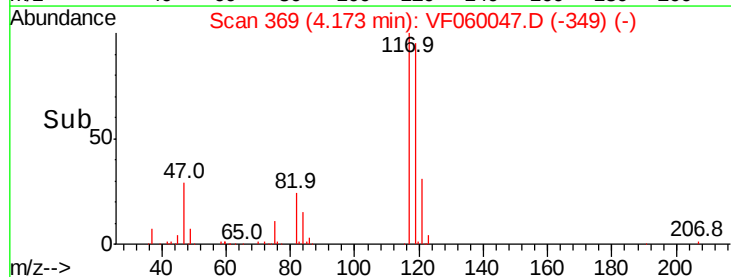
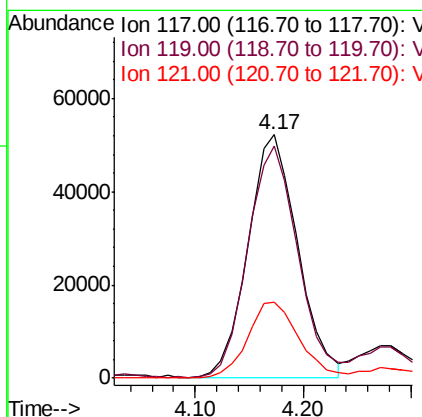
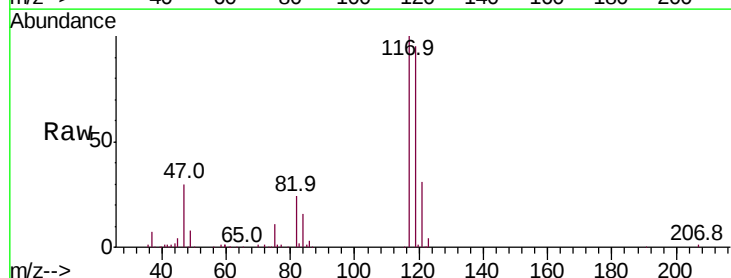
Instrument :
MSVOA_F
ClientSampled :

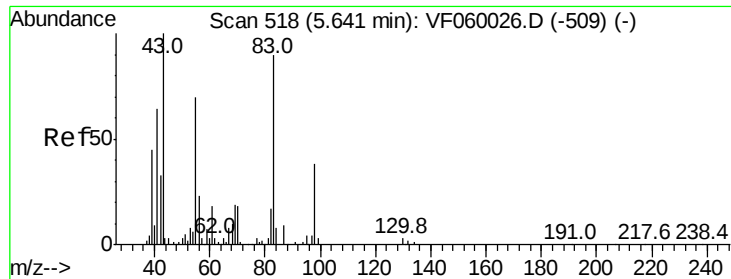
Tot Ion: 43 Resp: 85754
Ion Ratio Lower Upper
43 100
61 92.9 101.5 152.3#
70 8.7 6.4 9.6



#38
Carbon Tetrachloride
Concen: 45.951 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 117 Resp: 167378
Ion Ratio Lower Upper
117 100
119 95.2 76.5 114.7
121 31.3 23.0 34.6

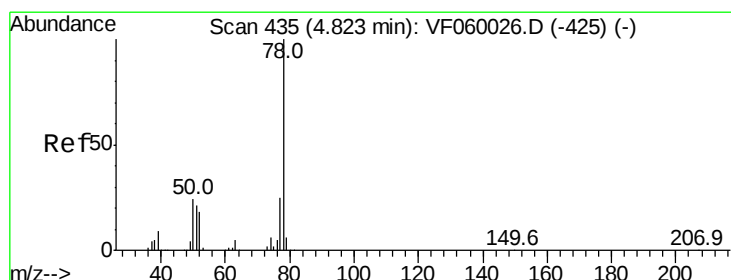
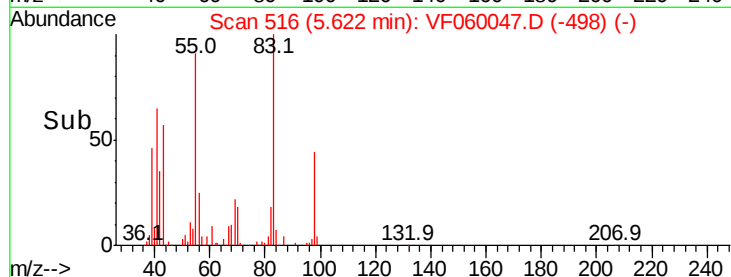
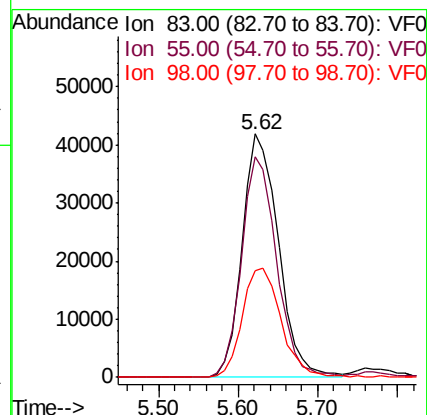
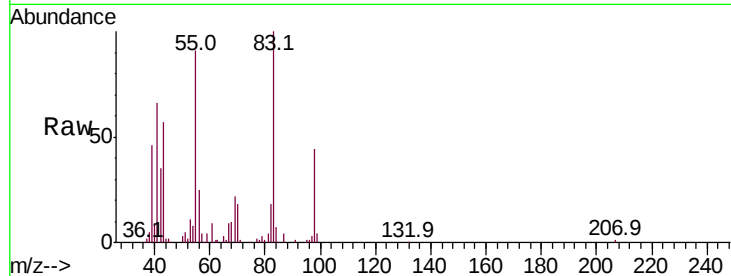




#39
Methvlcvclohexane
Concen: 44.655 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

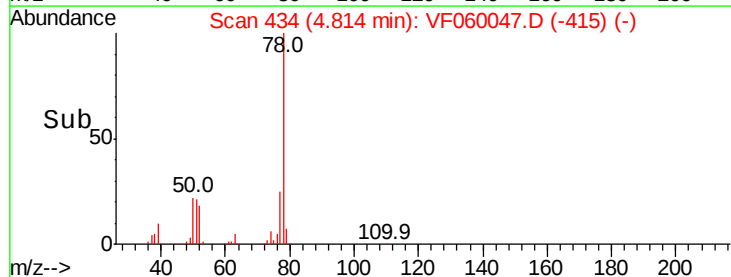
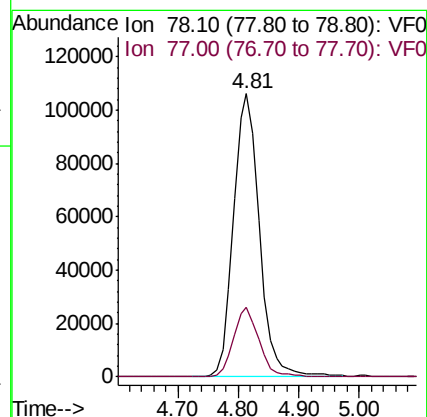
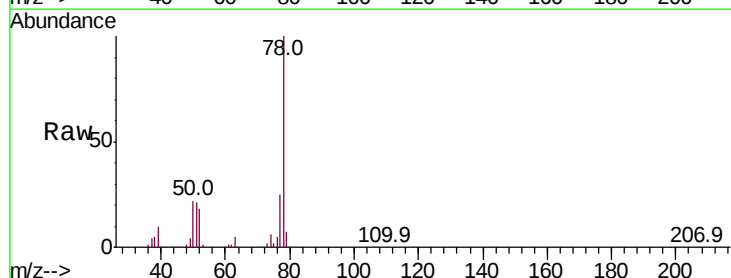
Instrument :
MSVOA_F
ClientSampleId :

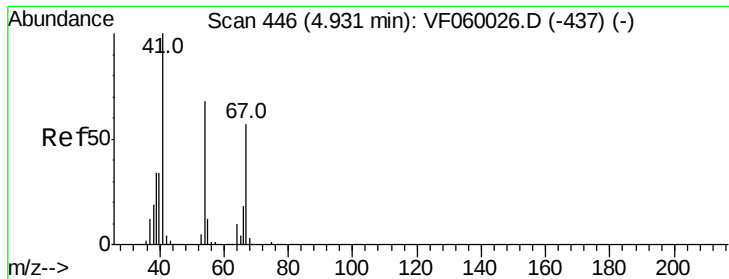
Tot Ion: 83 Resp: 131708
Ion Ratio Lower Upper
83 100
55 90.8 62.7 94.1
98 43.6 33.8 50.8



#40
Benzene
Concen: 45.910 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 78 Resp: 315472
Ion Ratio Lower Upper
78 100
77 24.8 19.8 29.6





#41

Methacrylonitrile

Concen: 43.230 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 41135

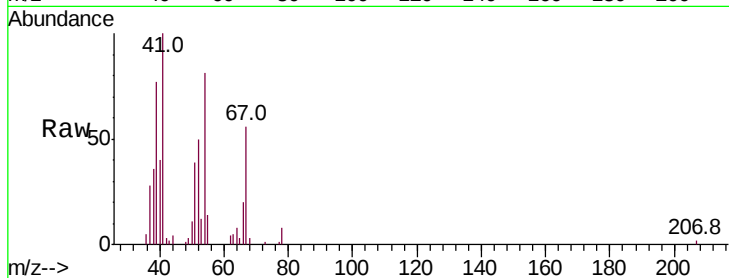
Ion Ratio Lower Upper

41 100

39 77.4 52.9 79.3

67 56.0 45.3 67.9

52 50.0 34.8 52.2

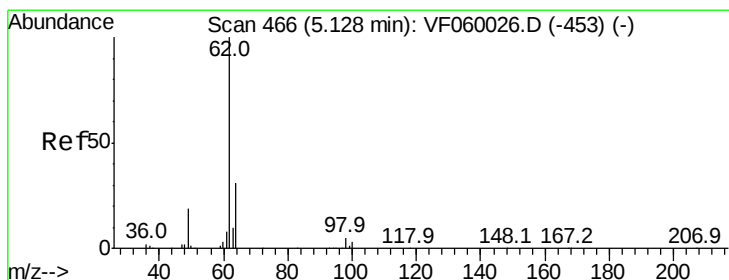
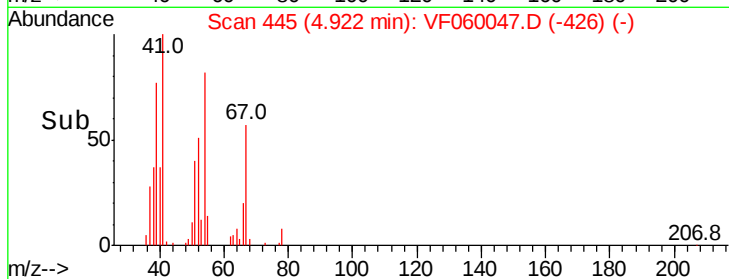
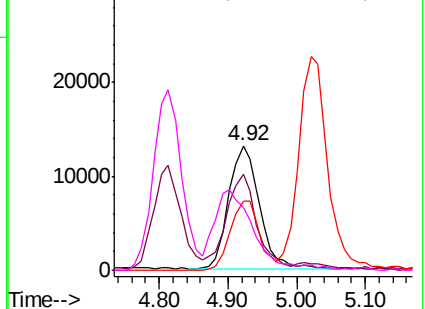


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 45.907 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF060047.D

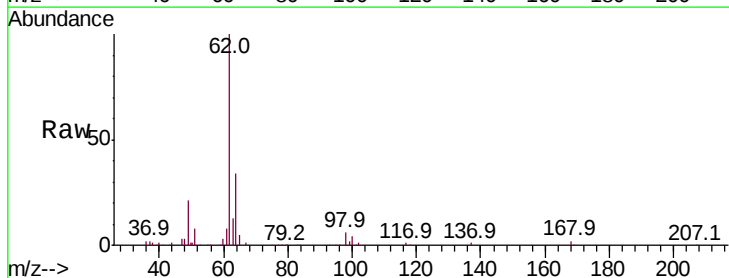
Acq: 23 Aug 2018 12:09

Tgt Ion: 62 Resp: 169147

Ion Ratio Lower Upper

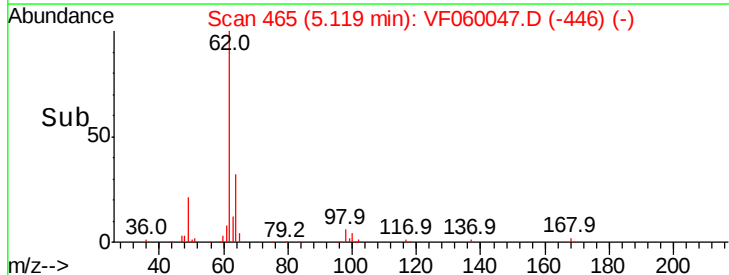
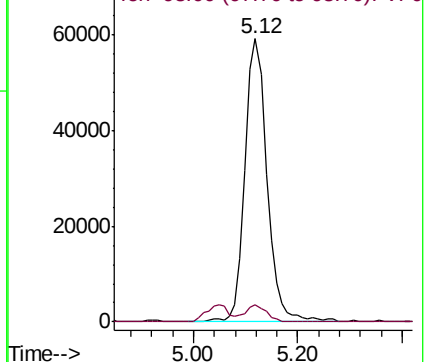
62 100

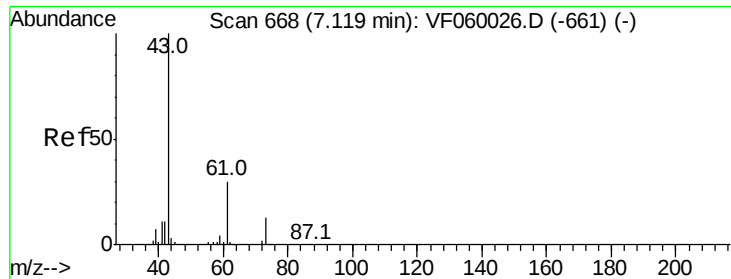
98 5.9 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 47.405 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

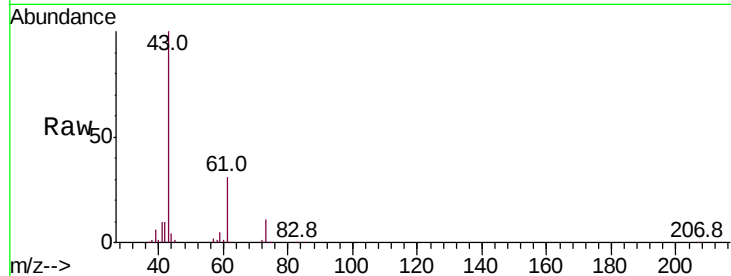
Tot Ion: 43 Resp: 112245

Ion Ratio Lower Upper

43 100

61 31.2 23.8 35.6

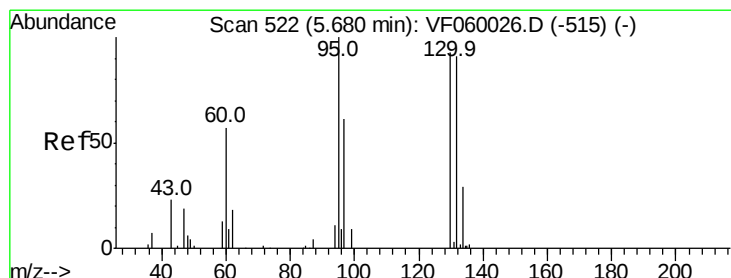
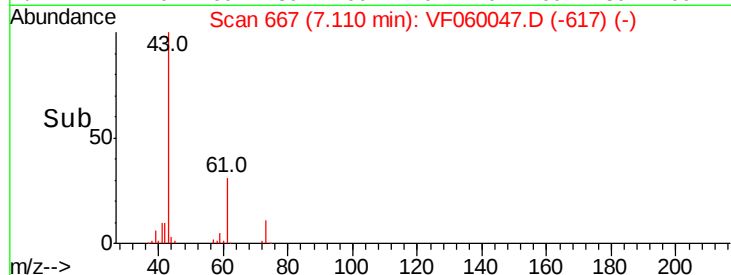
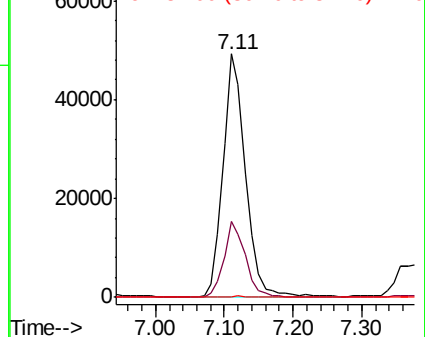
87 0.0 0.2 0.4#



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: 43.834 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF060047.D

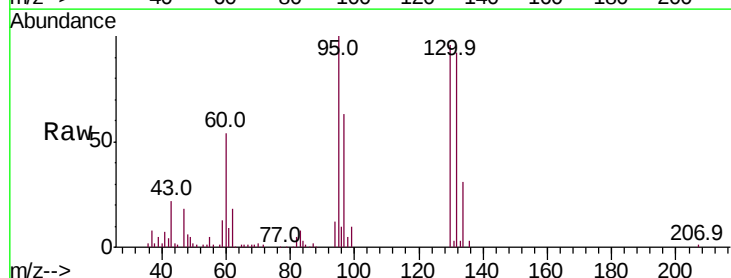
Acq: 23 Aug 2018 12:09

Tgt Ion:130 Resp: 99573

Ion Ratio Lower Upper

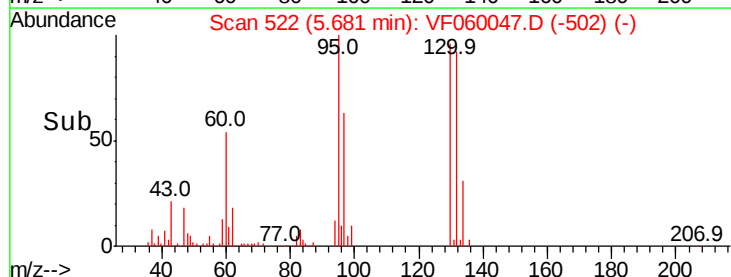
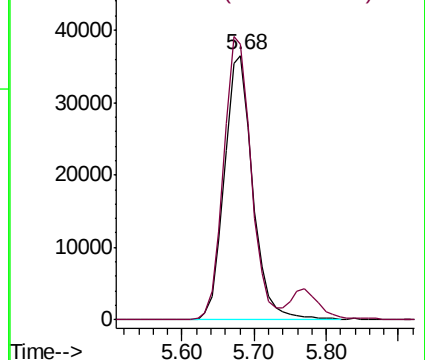
130 100

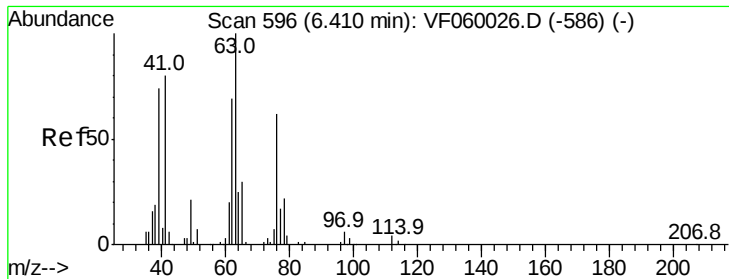
95 104.0 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 51.996 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

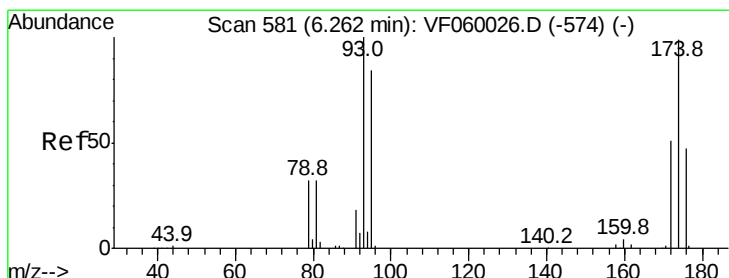
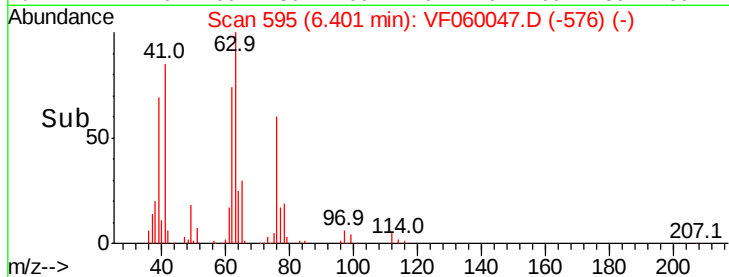
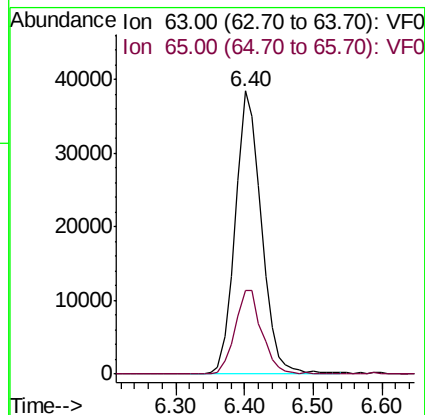
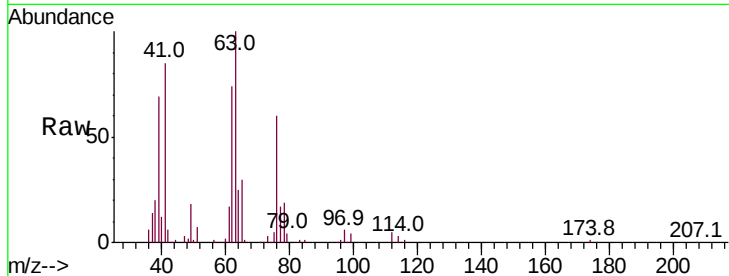
ClientSampleId :

Tot Ion: 63 Resp: 101065

Ion Ratio Lower Upper

63 100

65 29.7 23.8 35.6



#46

Dibromomethane

Concen: 47.923 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

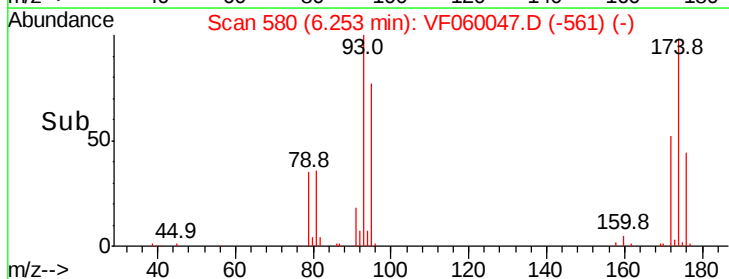
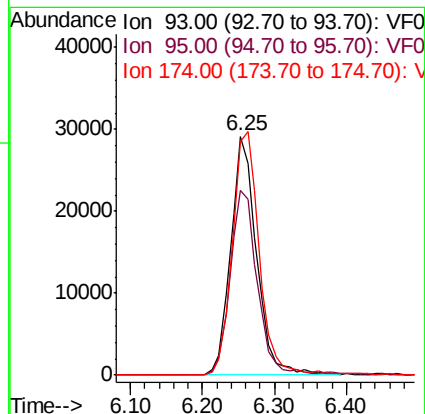
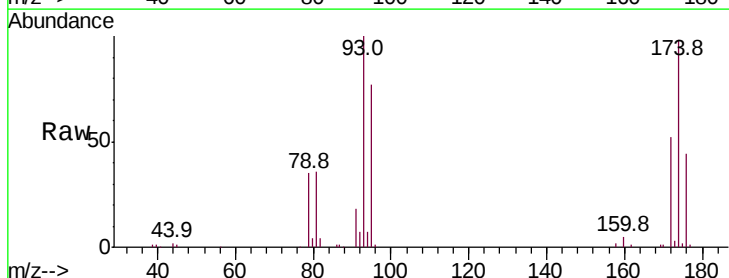
Tgt Ion: 93 Resp: 72888

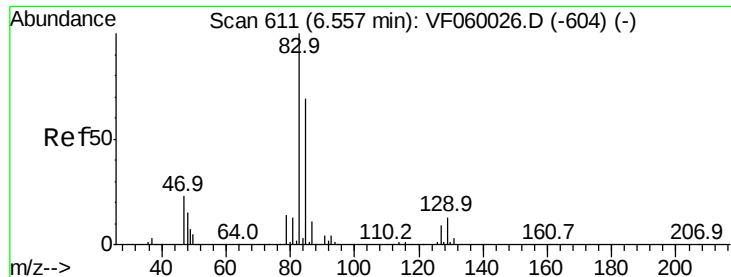
Ion Ratio Lower Upper

93 100

95 77.5 67.1 100.7

174 97.7 79.0 118.4





#47

Bromodichloromethane

Concen: 47.074 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

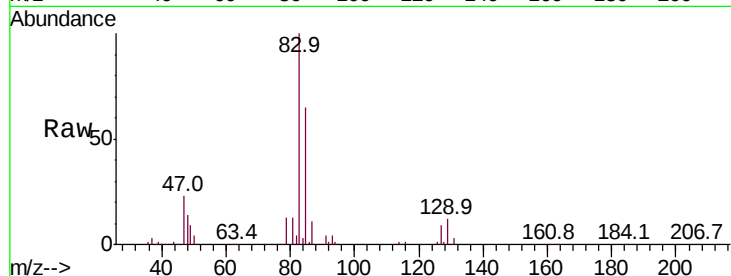
Tot Ion: 83 Resp: 172931

Ion Ratio Lower Upper

83 100

85 64.9 55.2 82.8

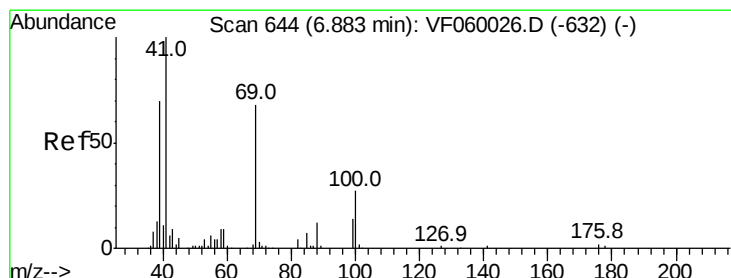
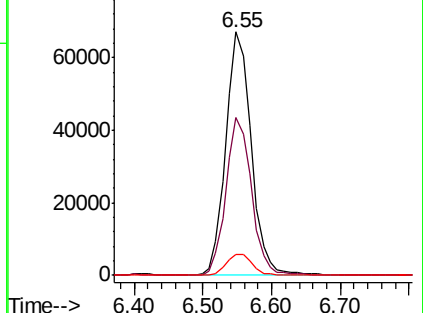
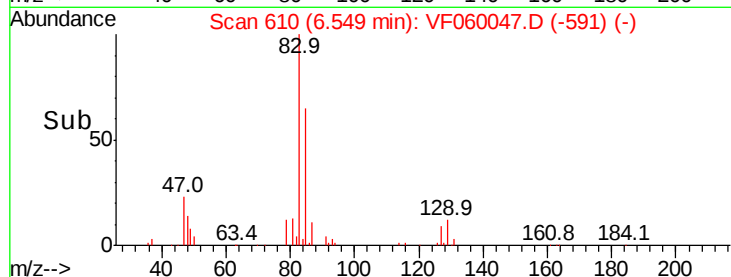
127 8.6 7.3 10.9



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: 49.056 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

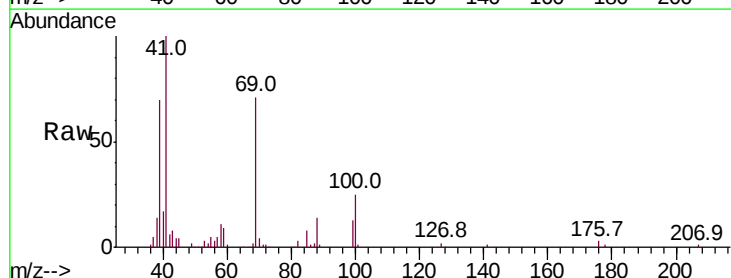
Tgt Ion: 41 Resp: 76861

Ion Ratio Lower Upper

41 100

69 71.0 54.6 81.8

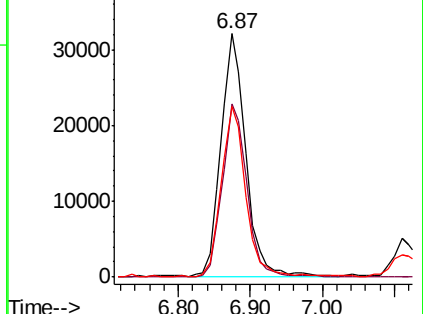
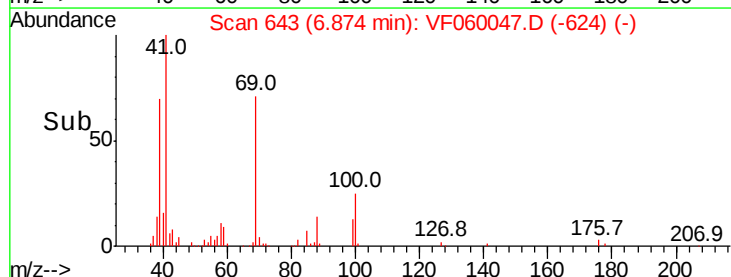
39 69.9 56.5 84.7

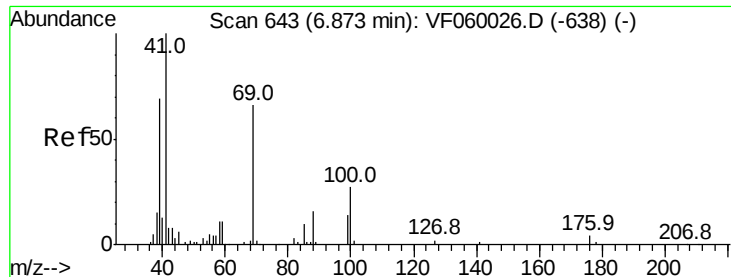


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 939.166 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :

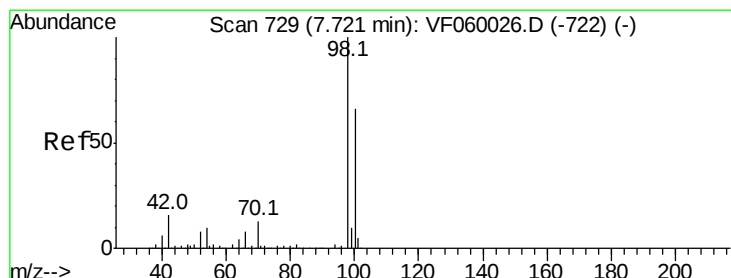
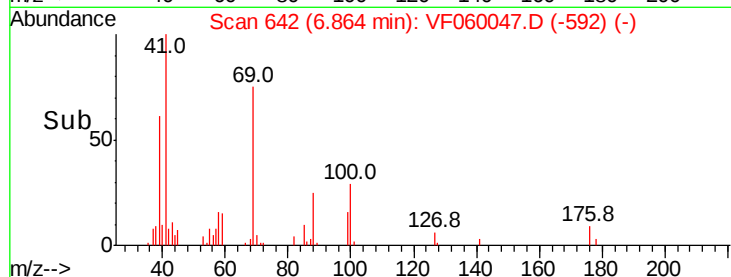
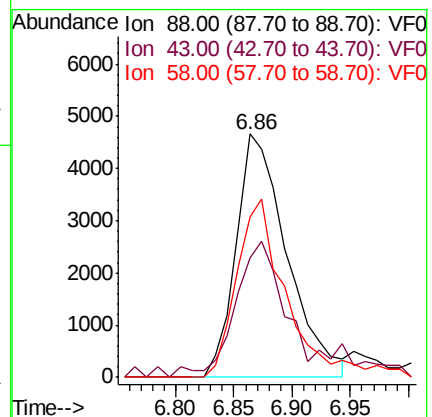
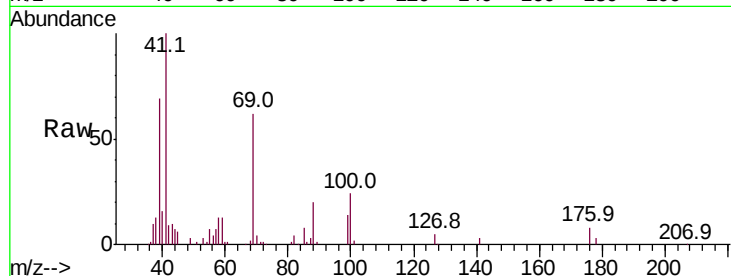
Tot Ion: 88 Resp: 14126

Ion Ratio Lower Upper

88 100

43 49.2 46.5 69.7

58 65.7 54.8 82.2



#50

Toluene-d8

Concen: 46.810 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060047.D

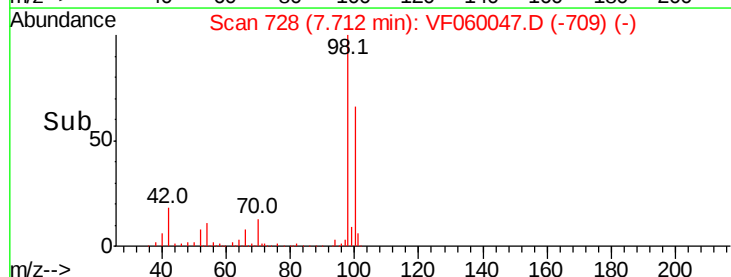
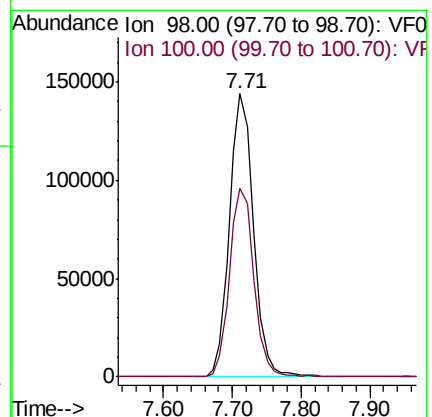
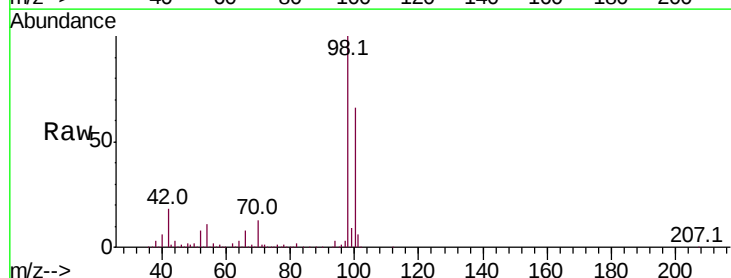
Acq: 23 Aug 2018 12:09

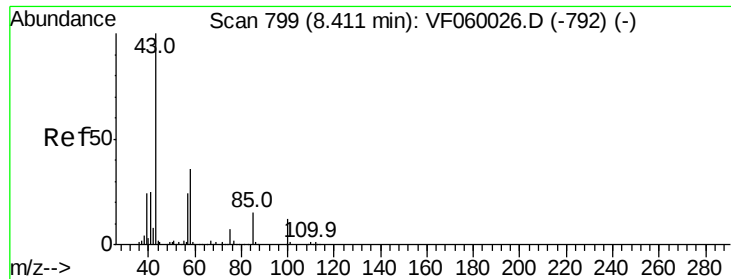
Tgt Ion: 98 Resp: 349434

Ion Ratio Lower Upper

98 100

100 66.5 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 249.541 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

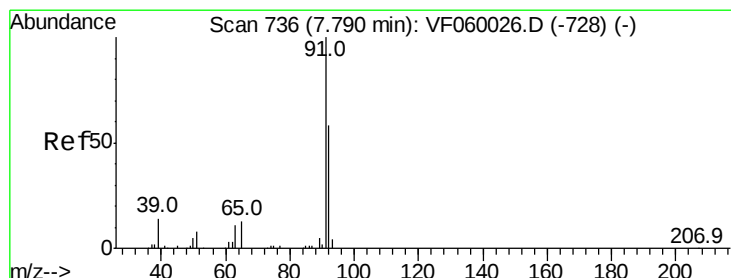
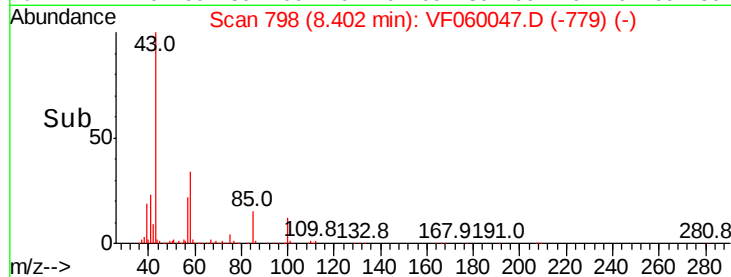
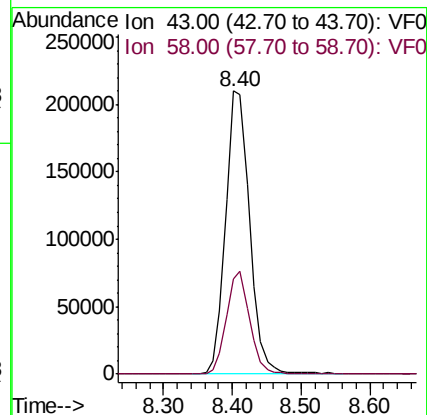
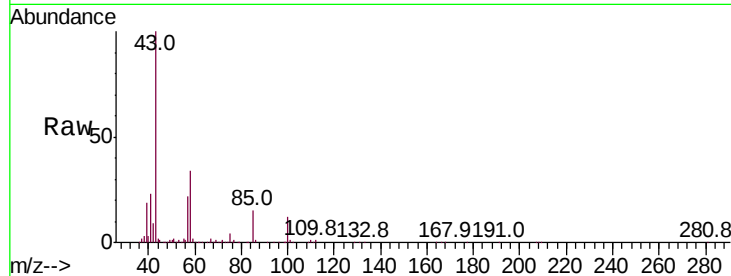
ClientSampleId :

Tot Ion: 43 Resp: 510237

Ion Ratio Lower Upper

43 100

58 33.7 28.6 42.8



#52

Toluene

Concen: 51.339 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060047.D

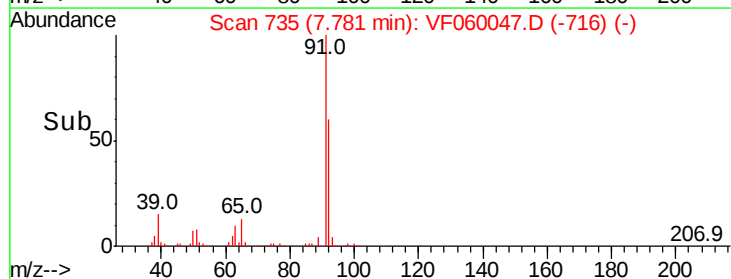
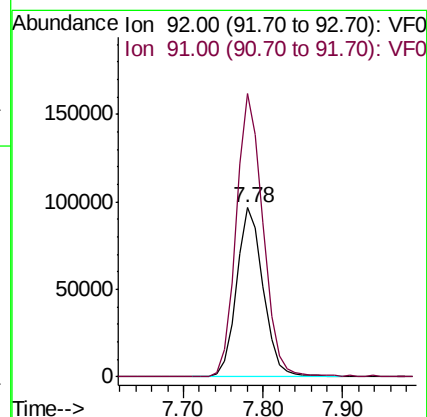
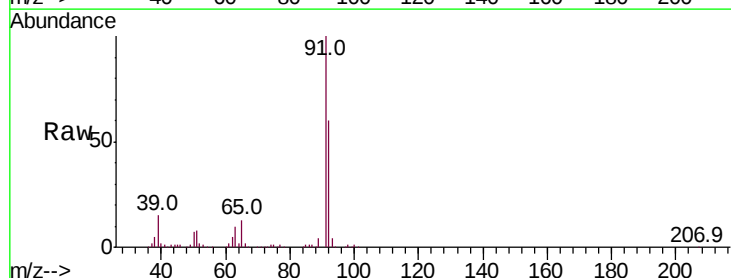
Acq: 23 Aug 2018 12:09

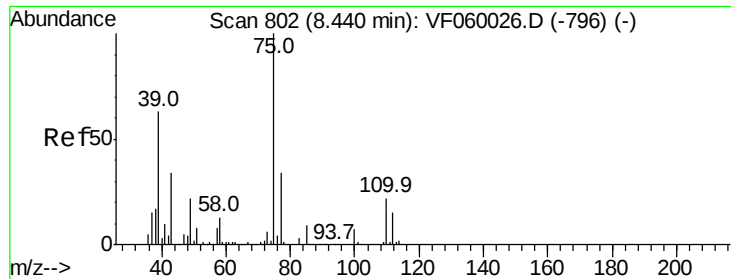
Tgt Ion: 92 Resp: 226352

Ion Ratio Lower Upper

92 100

91 167.1 137.7 206.5

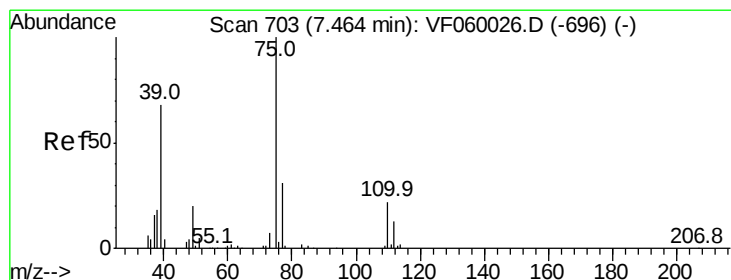
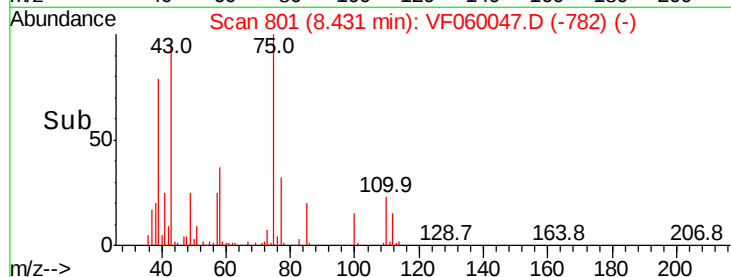
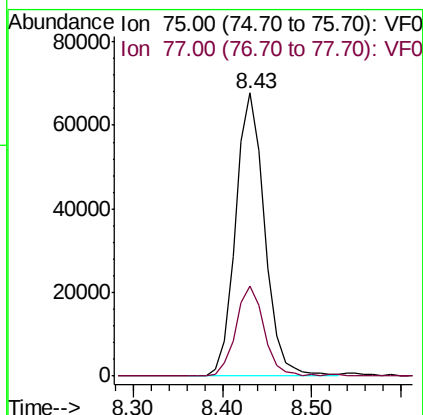
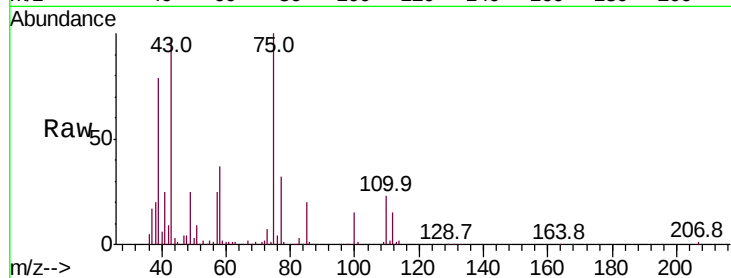




#53
 t-1,3-Dichloropropene
 Concen: 46.330 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

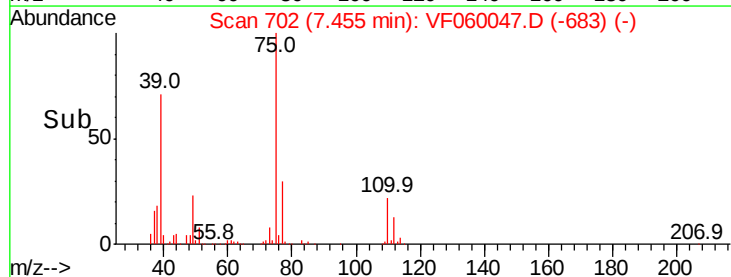
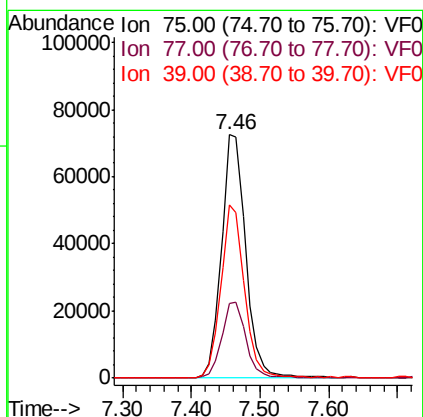
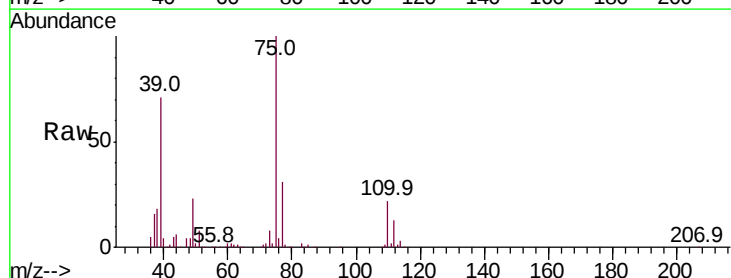
Instrument :
 MSVOA_F
 ClientSampleId :

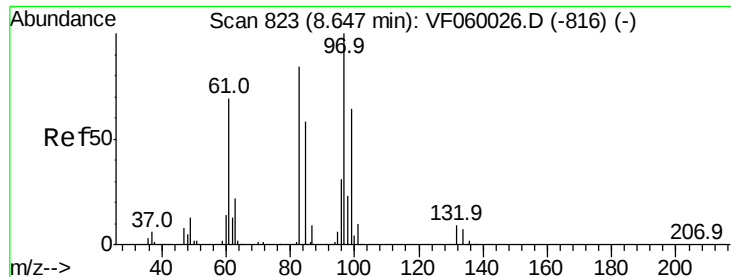
Tot Ion: 75 Resp: 154341
 Ion Ratio Lower Upper
 75 100
 77 31.8 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 47.751 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion: 75 Resp: 177540
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 37.0
 39 71.2 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 50.550 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 93727

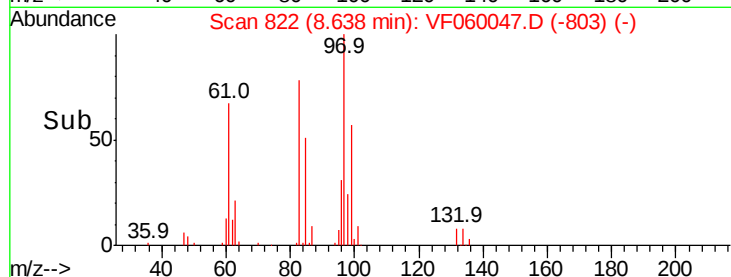
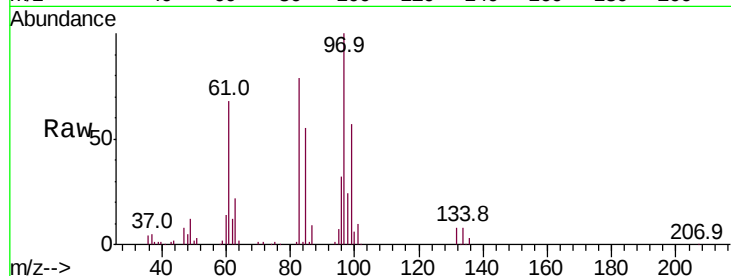
Ion	Ratio	Lower	Upper
97	100		
83	79.5	67.4	101.2
85	54.9	46.2	69.2
99	56.8	51.1	76.7

97 100

83 79.5 67.4 101.2

85 54.9 46.2 69.2

99 56.8 51.1 76.7

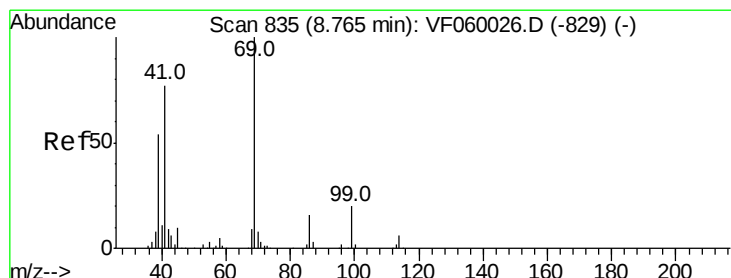
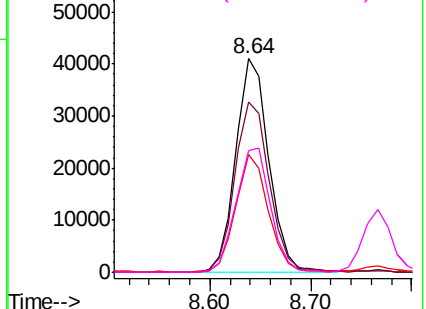


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 50.927 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

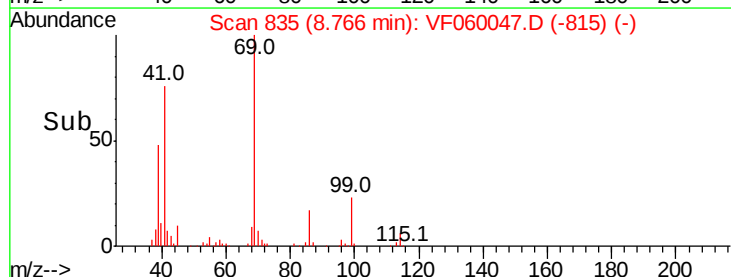
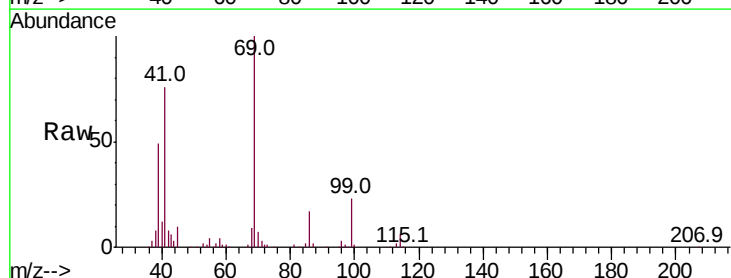
Tgt Ion: 69 Resp: 114294

Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.6	92.4
39	48.8	43.9	65.9

69 100

41 76.2 61.6 92.4

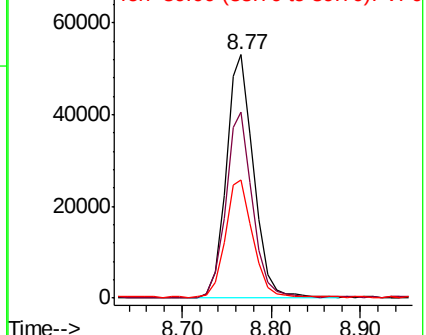
39 48.8 43.9 65.9

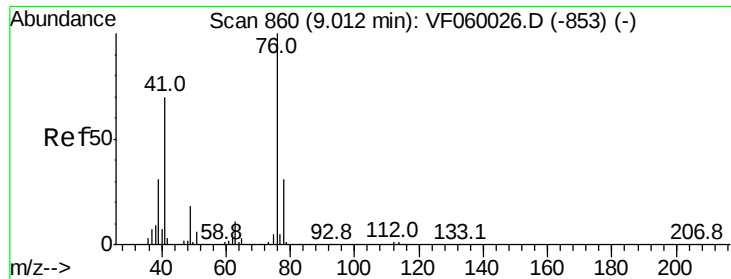


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.935 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

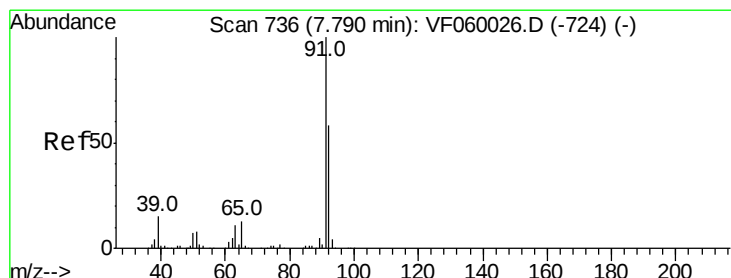
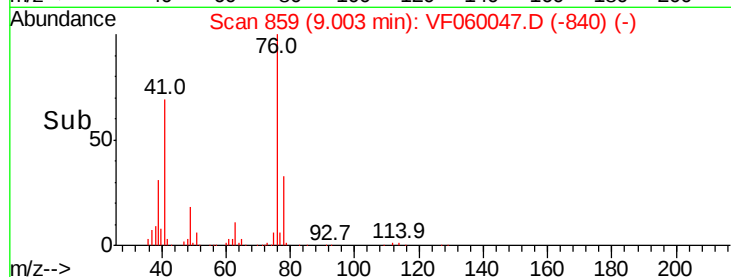
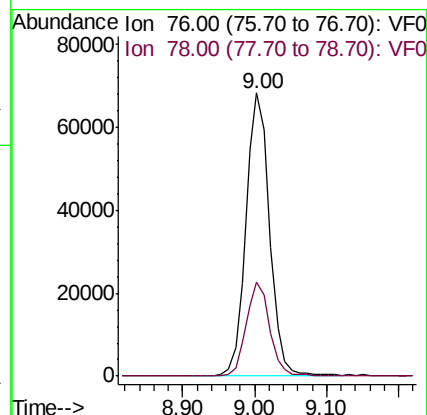
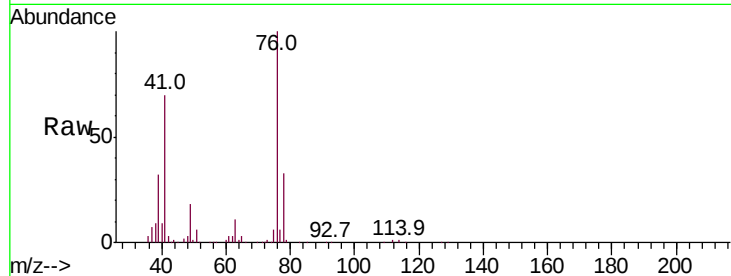
ClientSampleId :

Tot Ion: 76 Resp: 156216

Ion Ratio Lower Upper

76 100

78 33.0 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 221.976 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060047.D

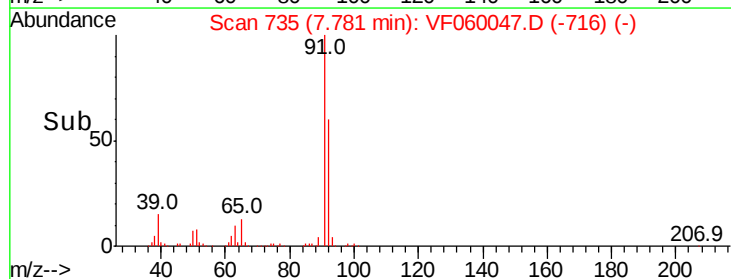
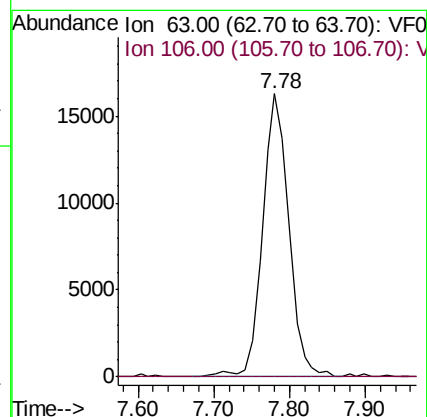
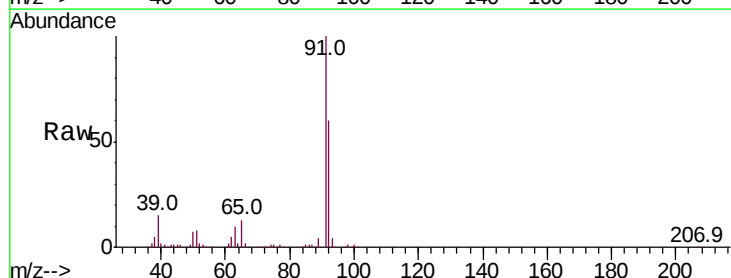
Acq: 23 Aug 2018 12:09

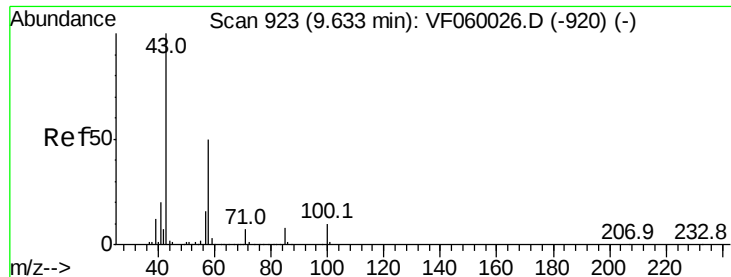
Tgt Ion: 63 Resp: 39543

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

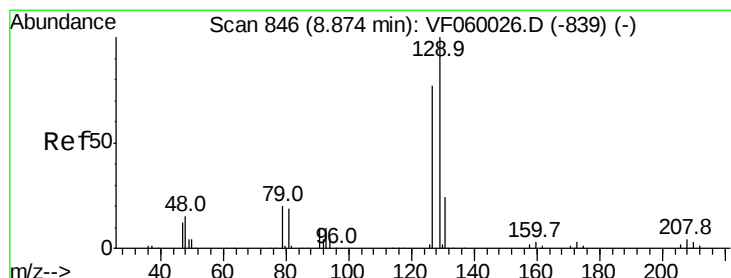
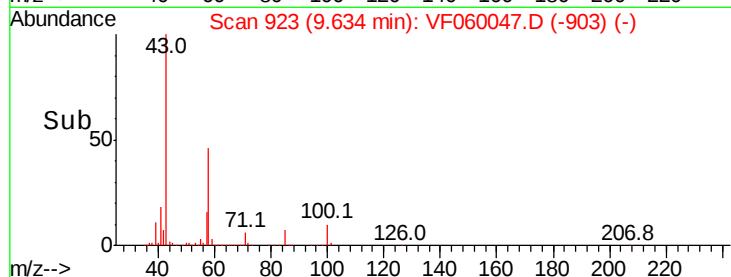
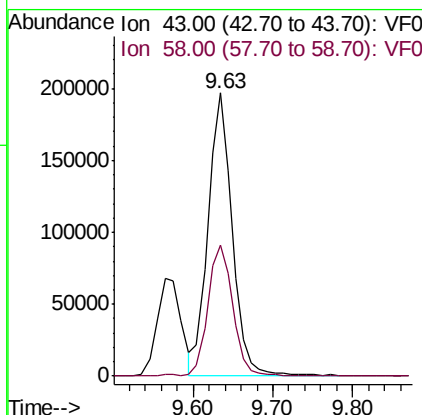
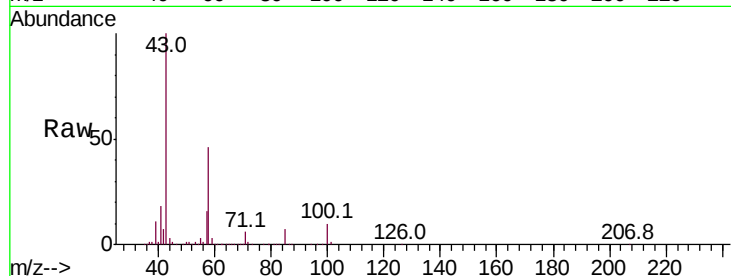




#59
2-Hexanone
Concen: 251.639 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

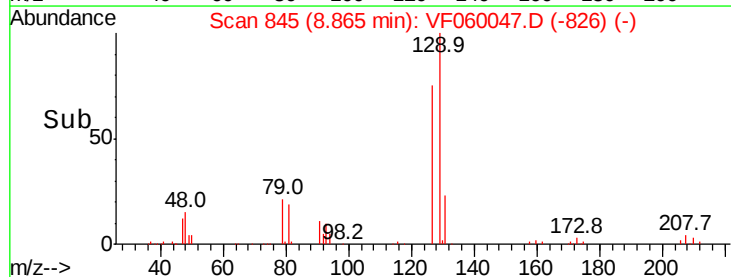
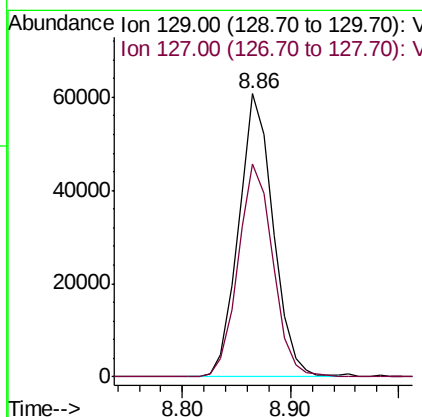
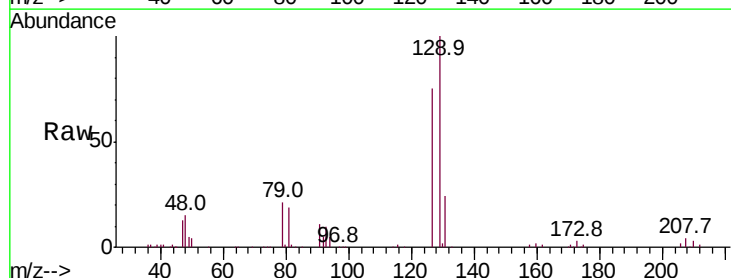
Instrument :
MSVOA_F
ClientSampleId :

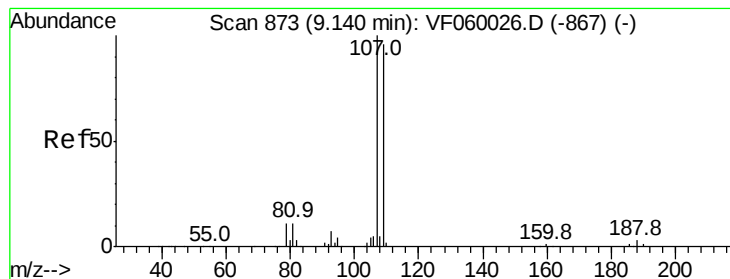
Tot Ion: 43 Resp: 416437
Ion Ratio Lower Upper
43 100
58 46.5 23.4 70.2



#60
Dibromochloromethane
Concen: 49.117 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion:129 Resp: 134436
Ion Ratio Lower Upper
129 100
127 75.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.882 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

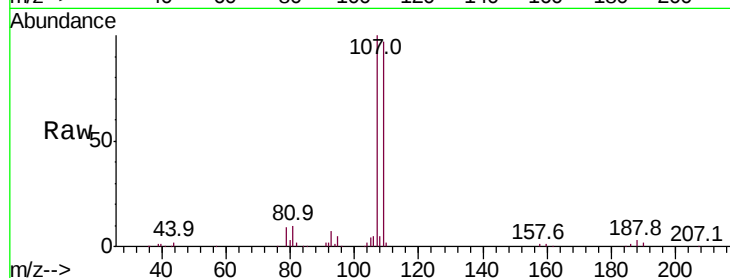
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 106439

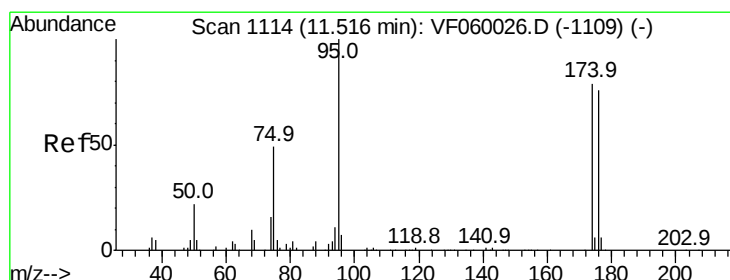
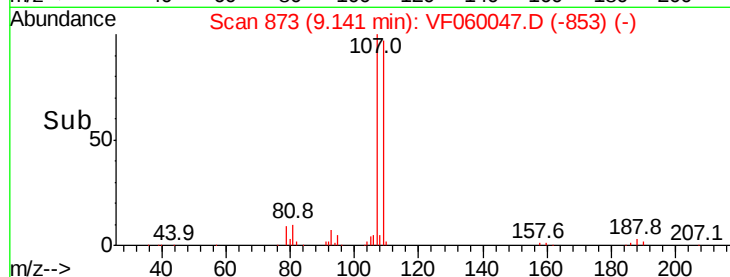
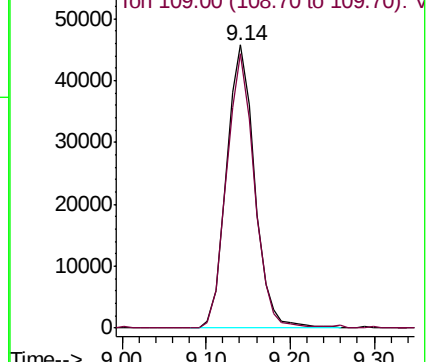
Ion Ratio Lower Upper

107 100

109 96.8 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.653 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

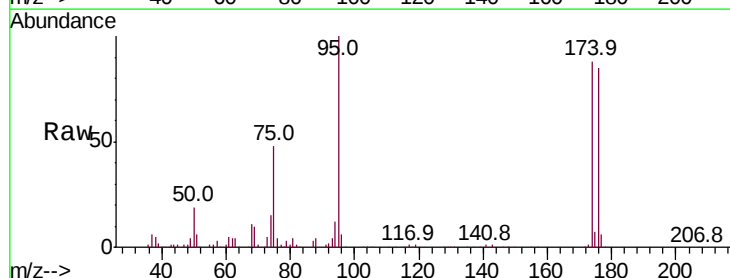
Tgt Ion: 95 Resp: 184230

Ion Ratio Lower Upper

95 100

174 87.6 0.0 158.4

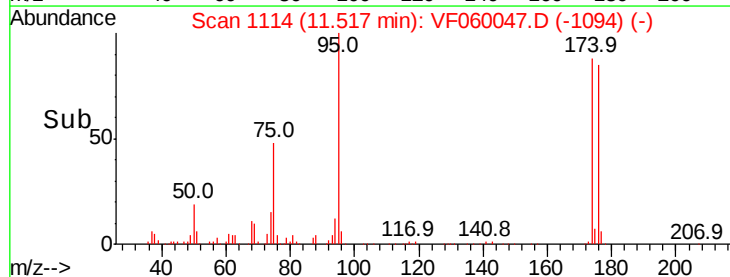
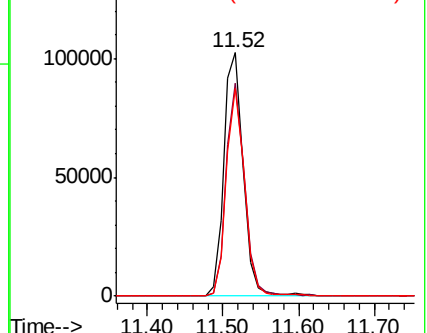
176 85.2 0.0 153.0

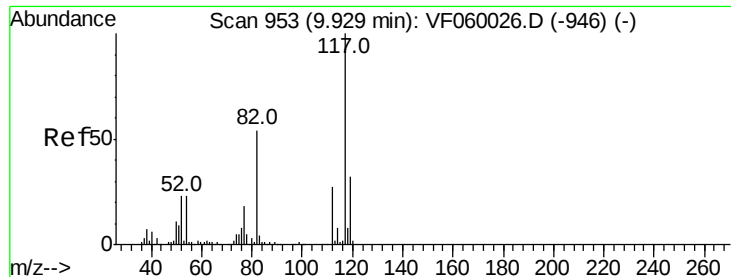


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

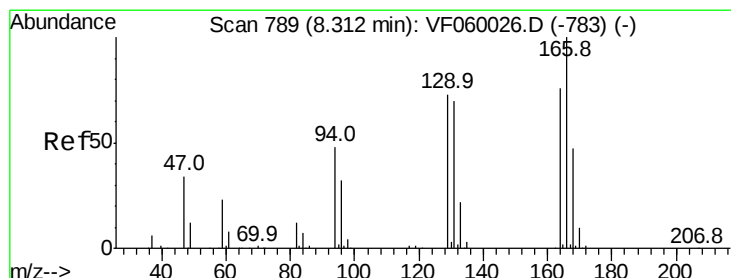
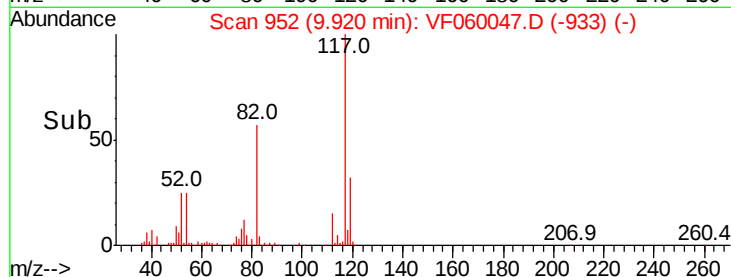
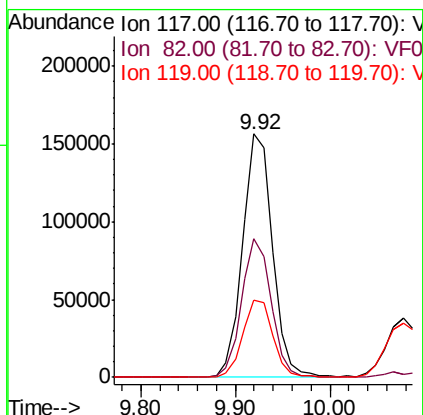
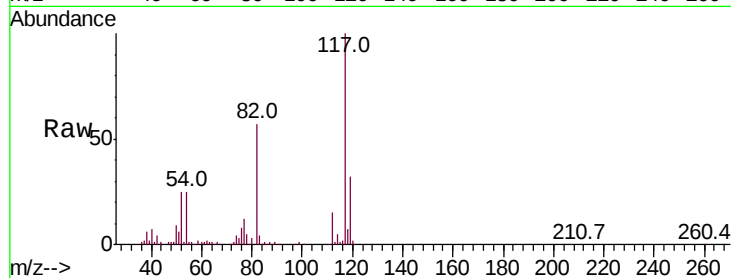




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

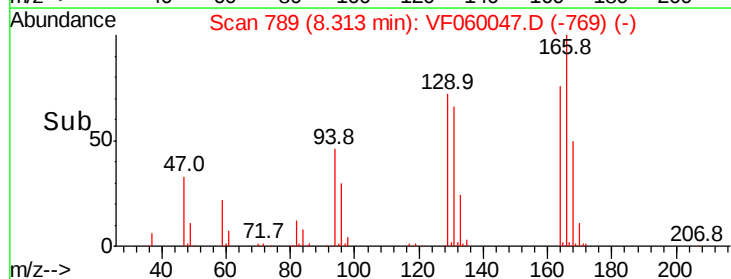
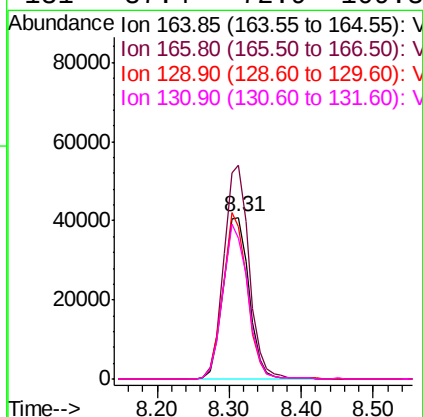
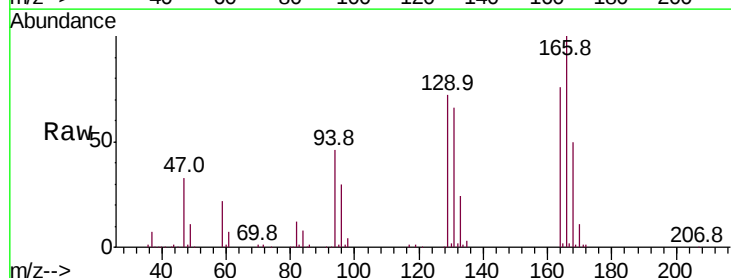
Instrument :
MSVOA_F
ClientSampleId :

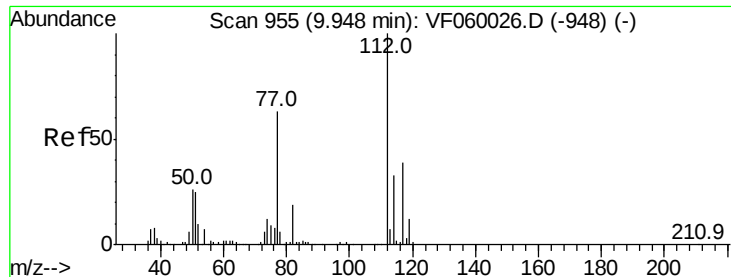
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.6	65.4
119	31.9	25.6	38.4



#64
Tetrachloroethene
Concen: 43.791 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	104.7	157.1
129	94.6	77.0	115.4
131	87.4	72.9	109.3





#65

Chlorobenzene

Concen: 46.242 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

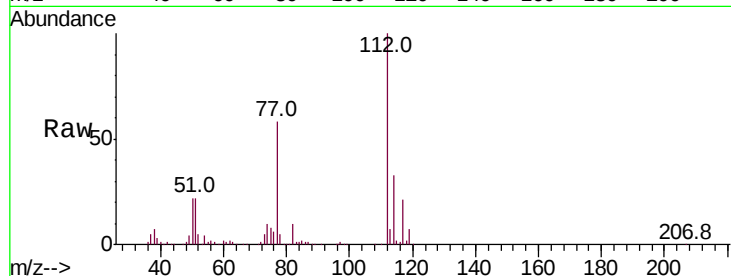
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 299983

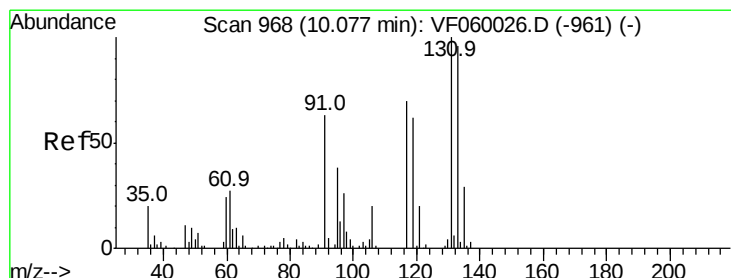
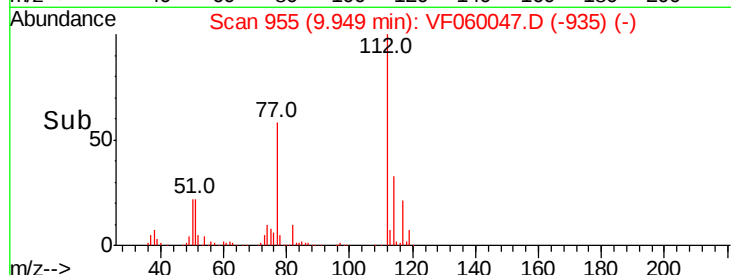
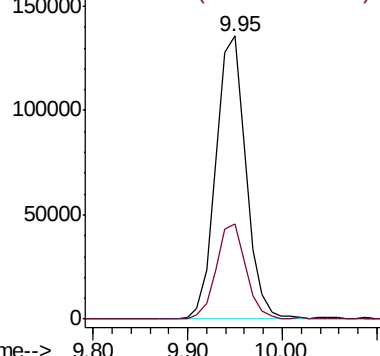
Ion Ratio Lower Upper

112 100

114 33.5 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.468 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

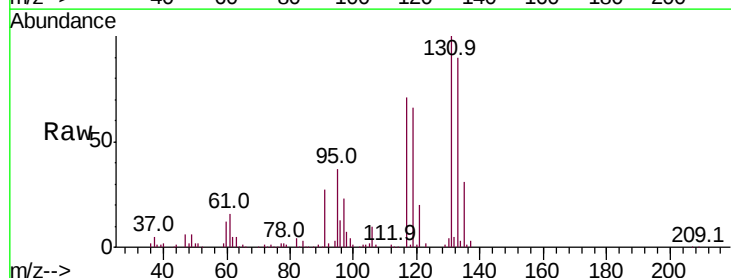
Tgt Ion:131 Resp: 121715

Ion Ratio Lower Upper

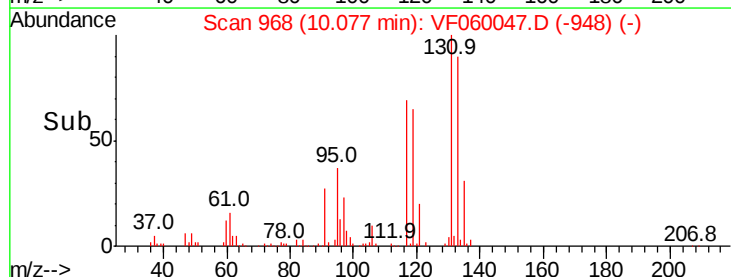
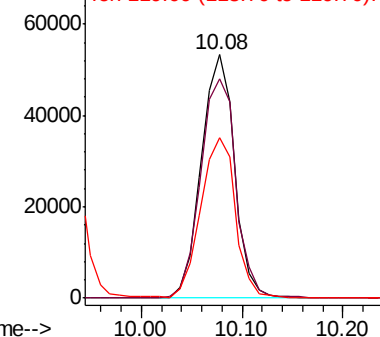
131 100

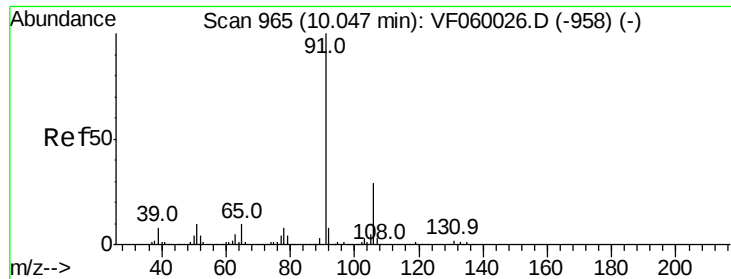
133 90.2 48.2 144.6

119 65.9 31.4 94.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

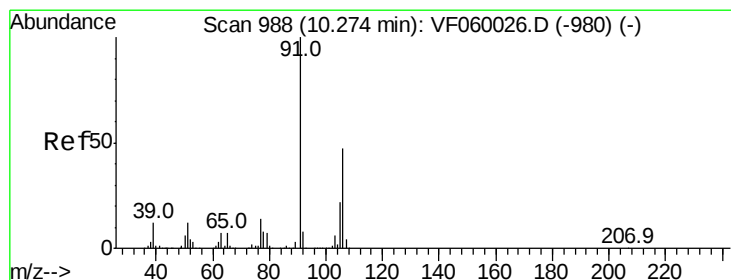
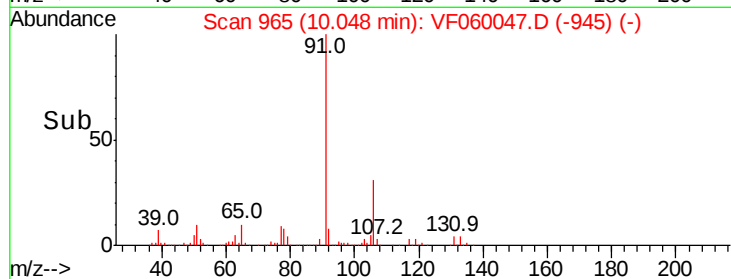
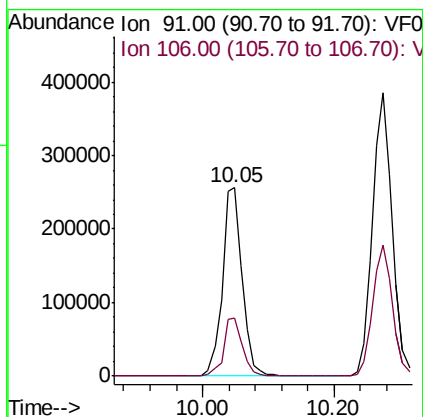
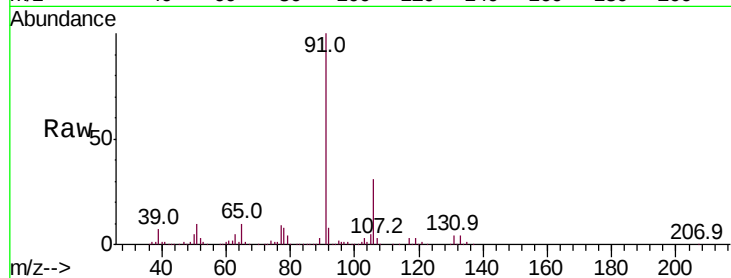




#67
Ethyl Benzene
Concen: 47.933 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

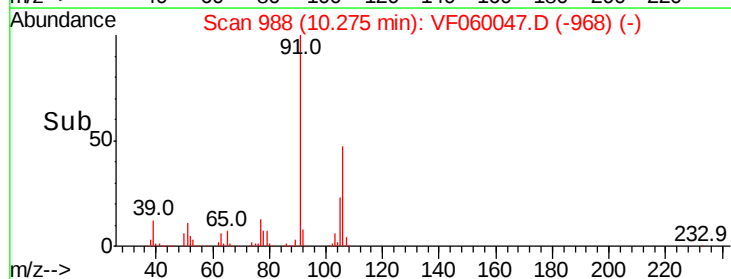
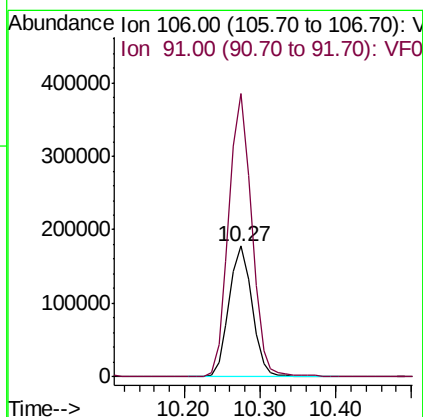
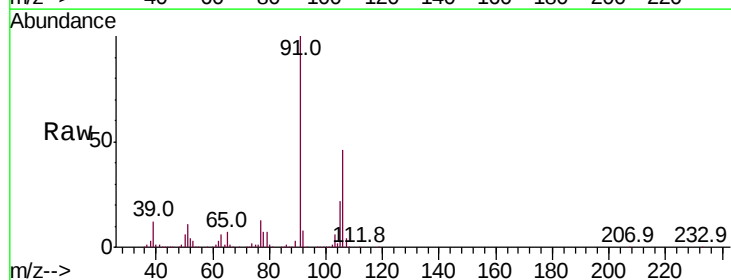
Instrument :
MSVOA_F
ClientSampleId :

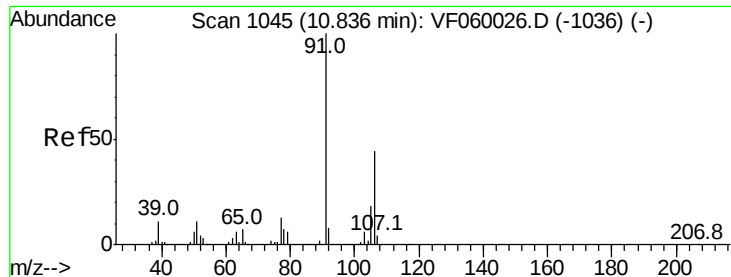
Tot Ion: 91 Resp: 536543
Ion Ratio Lower Upper
91 100
106 30.8 23.6 35.4



#68
m/p-Xylenes
Concen: 103.797 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion:106 Resp: 377785
Ion Ratio Lower Upper
106 100
91 216.1 171.8 257.8

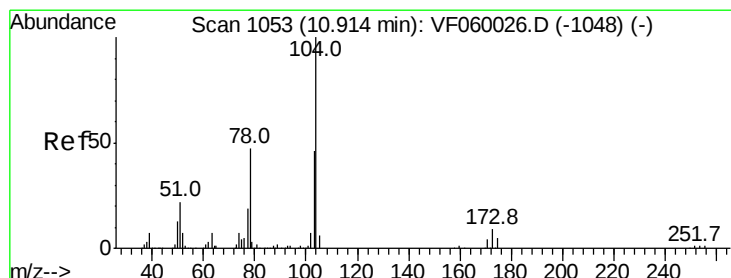
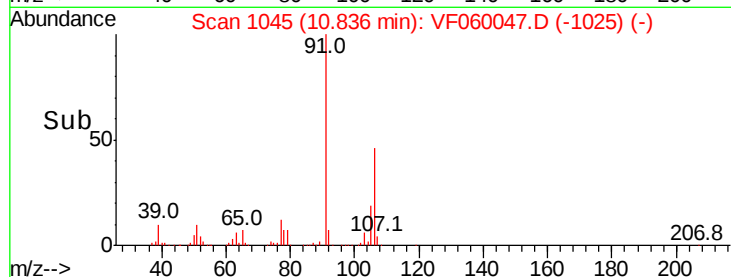
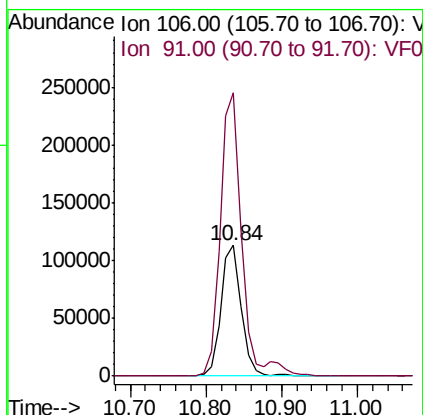
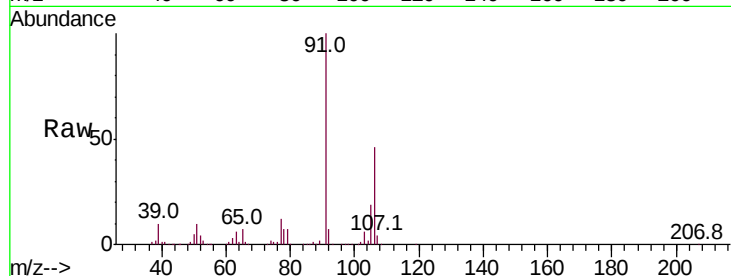




#69
o-Xylene
Concen: 48.353 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

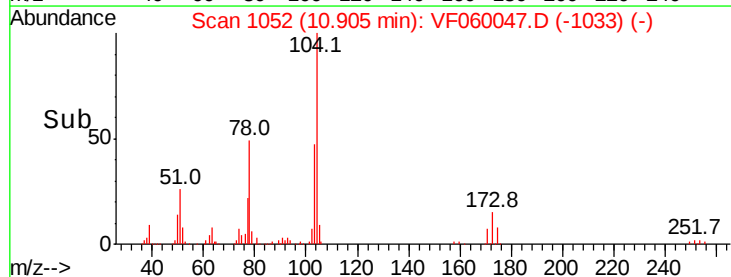
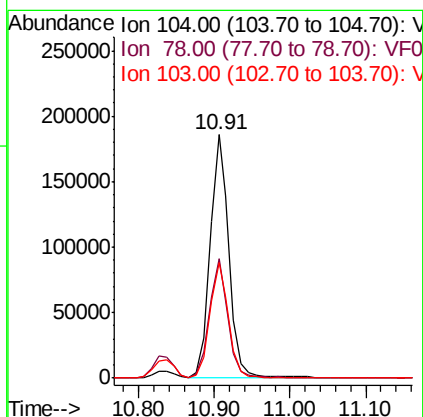
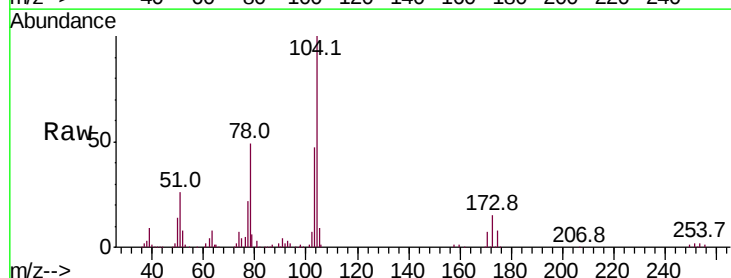
Instrument :
MSVOA_F
ClientSampled :

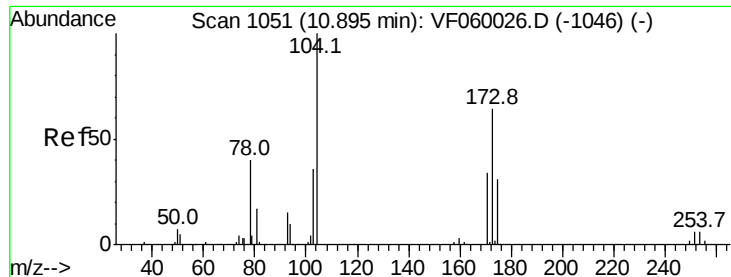
Tot Ion:106 Resp: 212048
Ion Ratio Lower Upper
106 100
91 216.8 112.5 337.5



#70
Styrene
Concen: 48.135 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion:104 Resp: 323857
Ion Ratio Lower Upper
104 100
78 49.2 38.0 57.0
103 47.3 37.6 56.4





#71

Bromoform

Concen: 50.259 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

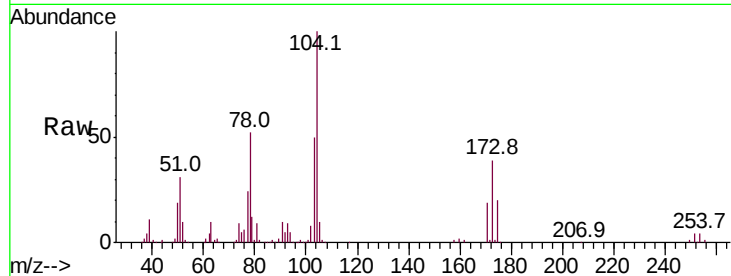
Tot Ion:173 Resp: 86277

Ion Ratio Lower Upper

173 100

175 51.3 24.7 74.1

254 0.0 0.0 0.0

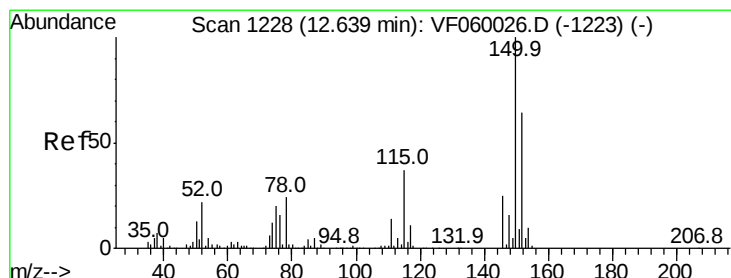
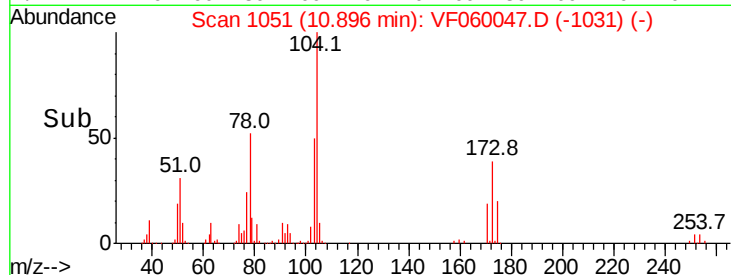
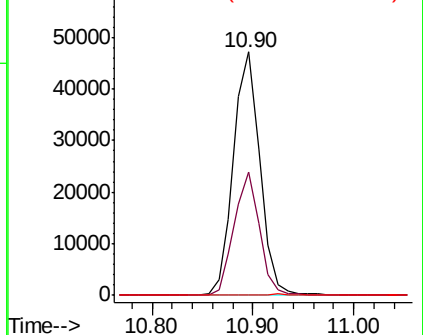


Abundance

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: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

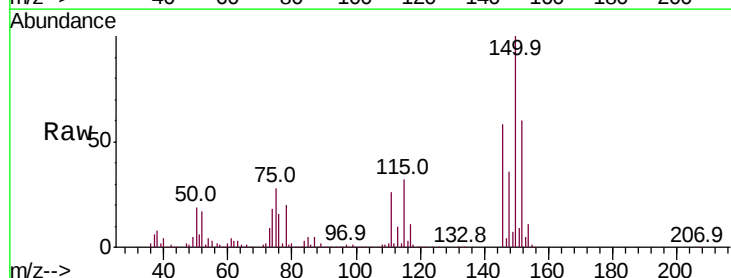
Tgt Ion:152 Resp: 205316

Ion Ratio Lower Upper

152 100

115 54.4 28.6 85.9

150 167.3 0.0 312.0

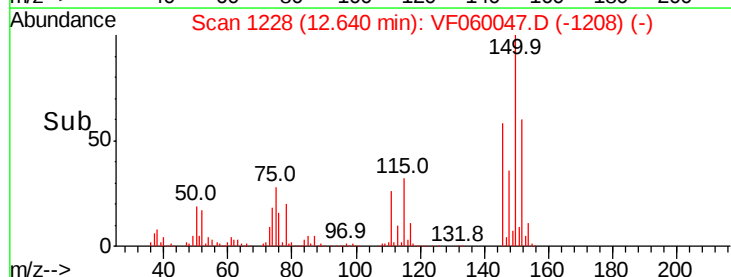
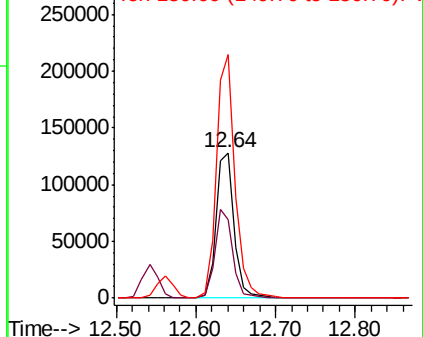


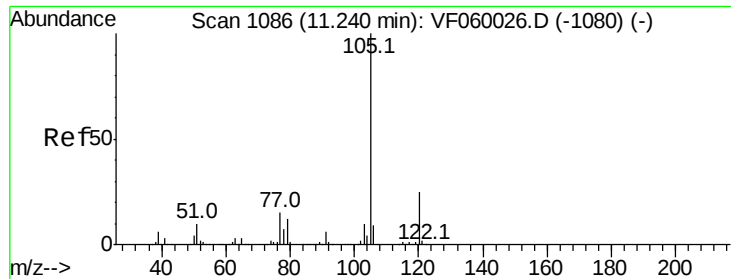
Abundance

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: 49.608 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

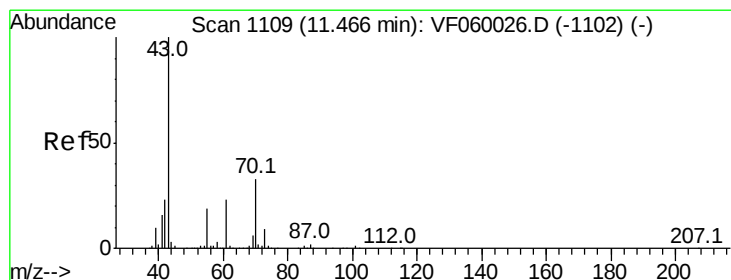
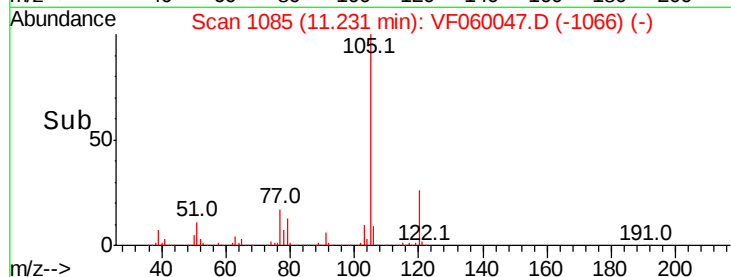
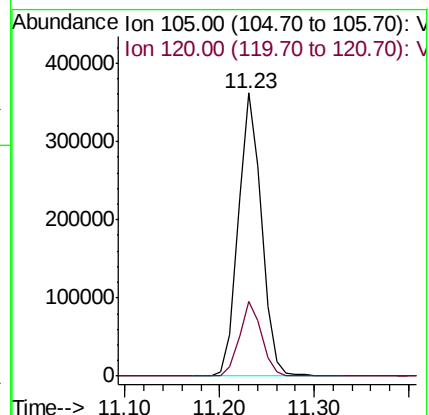
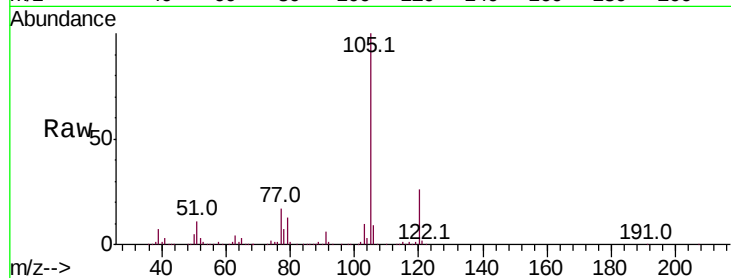
ClientSampleId :

Tot Ion:105 Resp: 613100

Ion Ratio Lower Upper

105 100

120 26.3 12.7 38.0



#74

N-ethyl acetate

Concen: 52.278 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion: 43 Resp: 200823

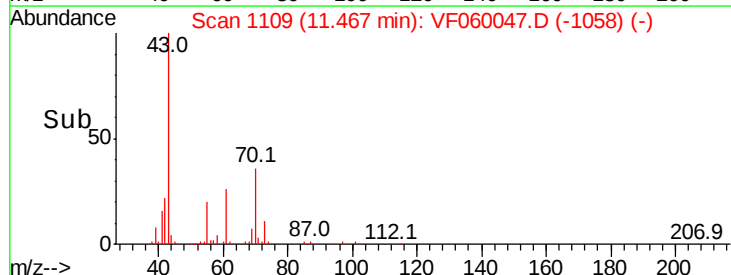
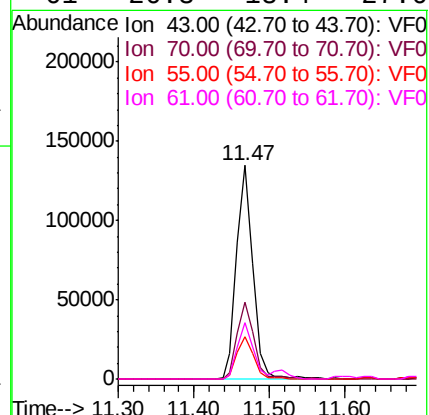
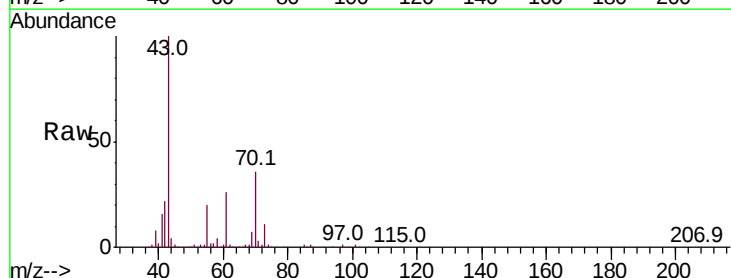
Ion Ratio Lower Upper

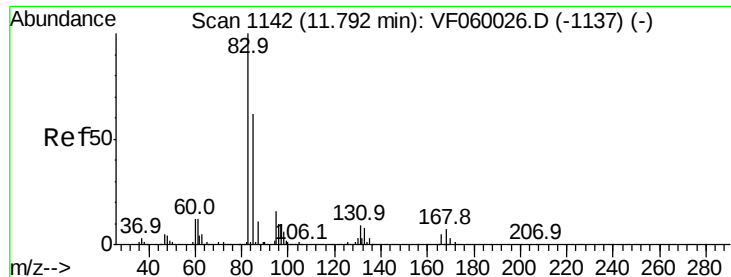
43 100

70 36.3 26.4 39.6

55 20.0 15.0 22.4

61 26.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.431 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampled :

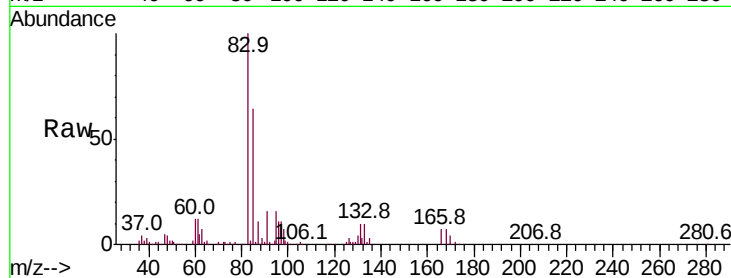
Tot Ion: 83 Resp: 133417

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.5	13.7
85	64.2	31.3	93.9

83 100

131 10.1 4.5 13.7

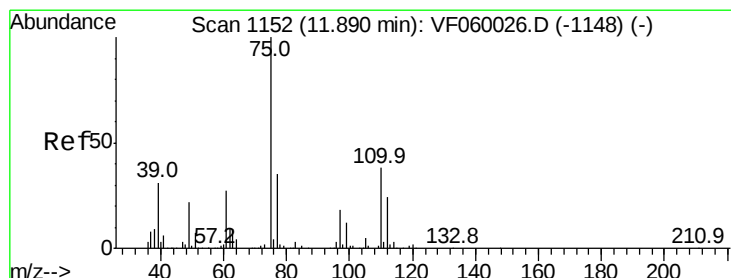
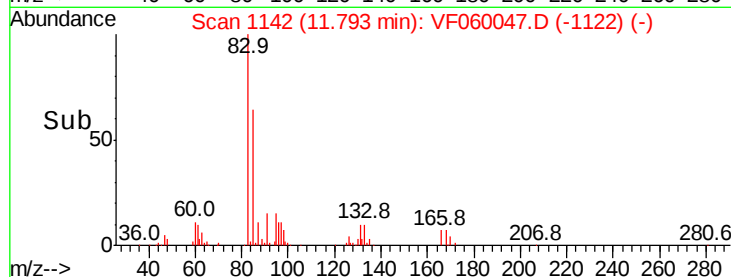
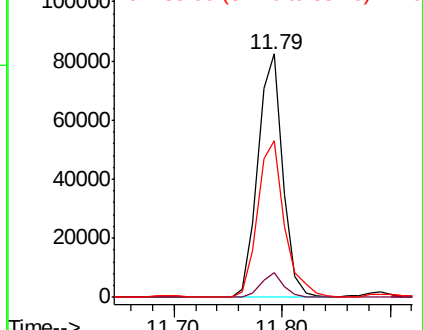
85 64.2 31.3 93.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 48.812 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060047.D

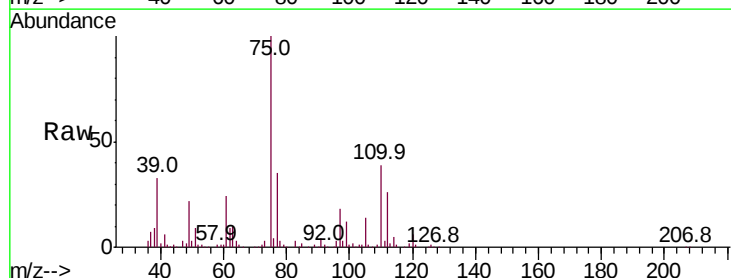
Acq: 23 Aug 2018 12:09

Tgt Ion: 75 Resp: 102170

Ion	Ratio	Lower	Upper
75	100		
77	35.0	17.3	52.0

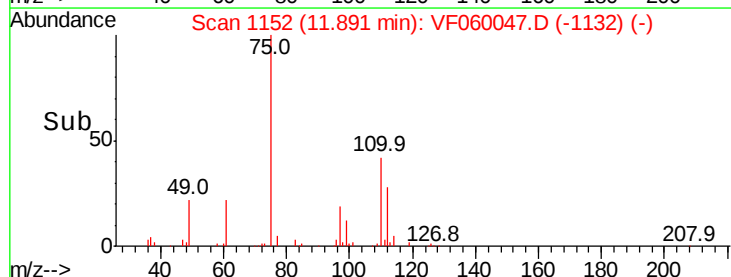
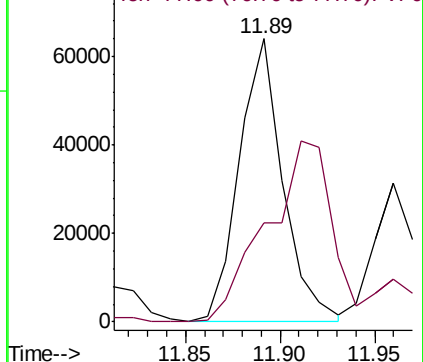
75 100

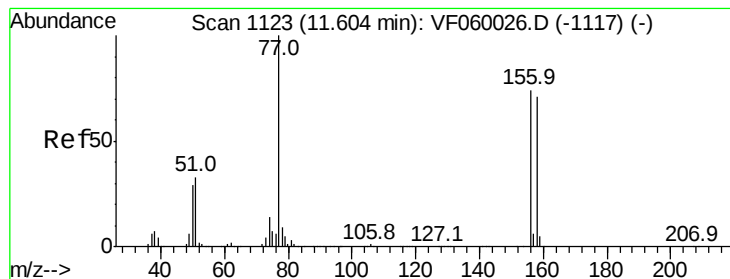
77 35.0 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.605 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

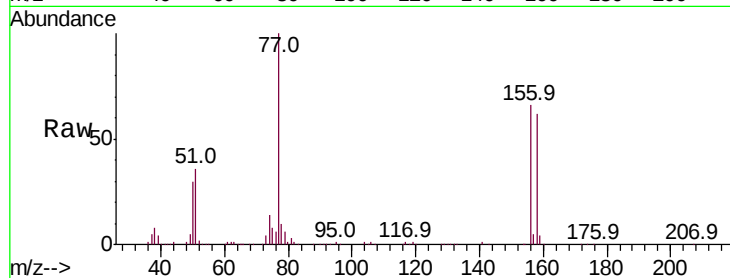
Tot Ion:156 Resp: 160004

Ion Ratio Lower Upper

156 100

77 152.1 68.0 204.0

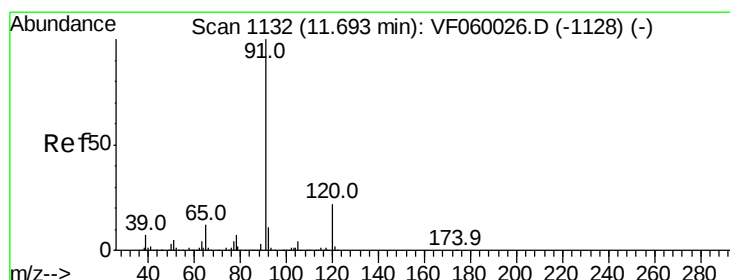
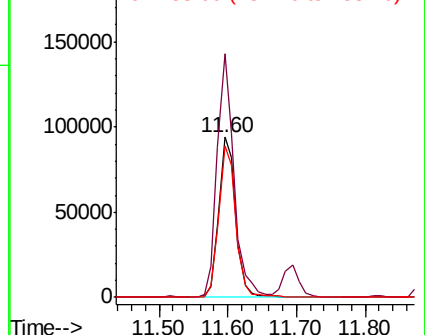
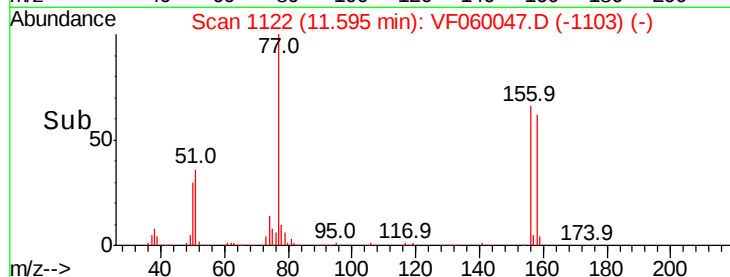
158 94.6 48.4 145.3



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: 48.206 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF060047.D

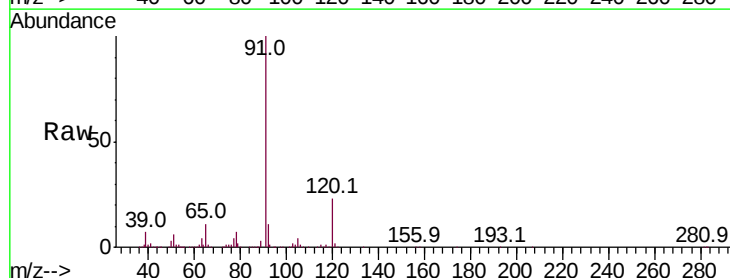
Acq: 23 Aug 2018 12:09

Tgt Ion: 91 Resp: 735321

Ion Ratio Lower Upper

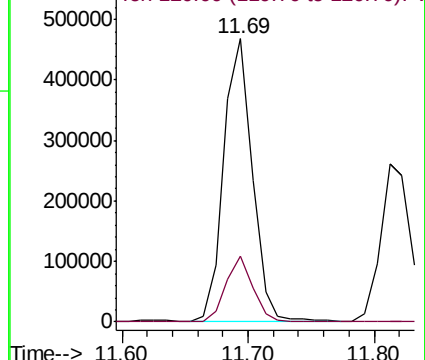
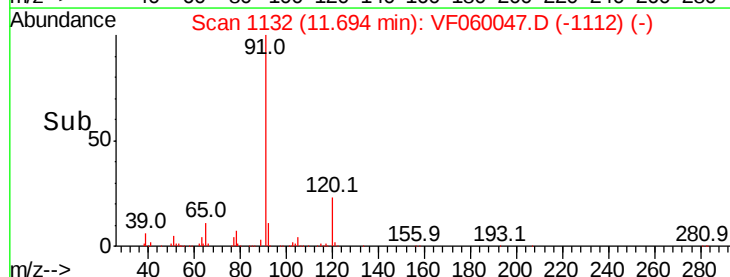
91 100

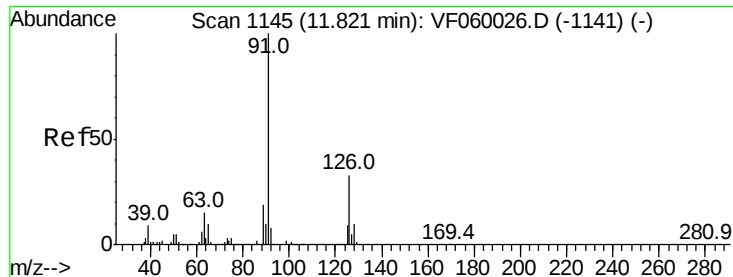
120 23.4 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.614 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

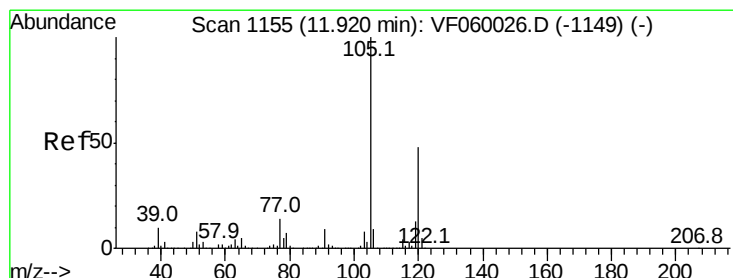
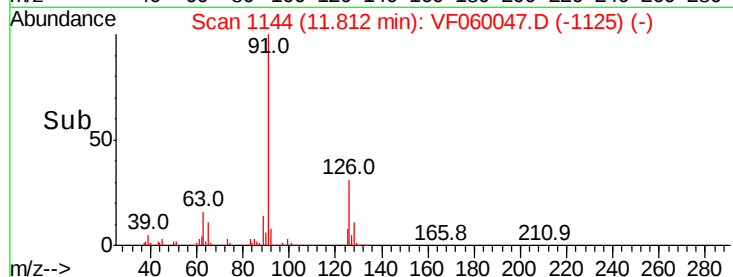
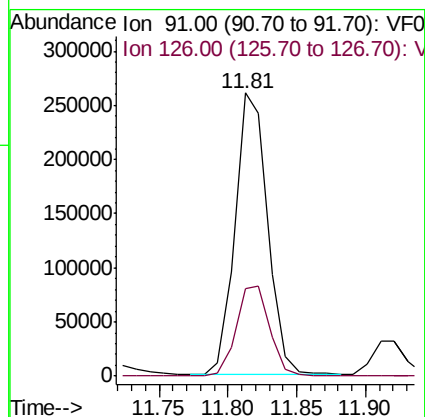
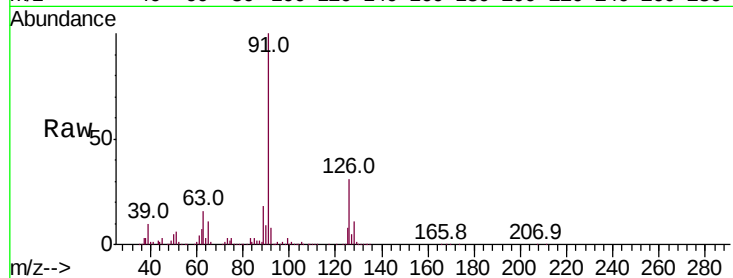
ClientSampled :

Tot Ion: 91 Resp: 427075

Ion Ratio Lower Upper

91 100

126 30.7 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 46.709 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF060047.D

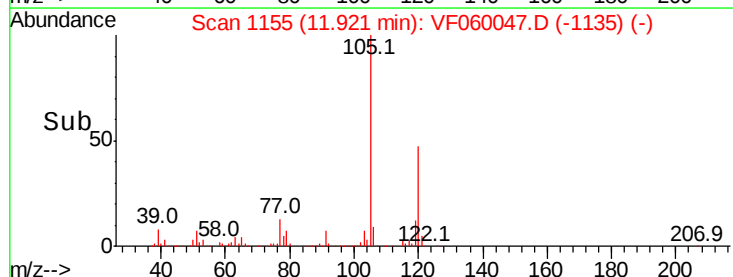
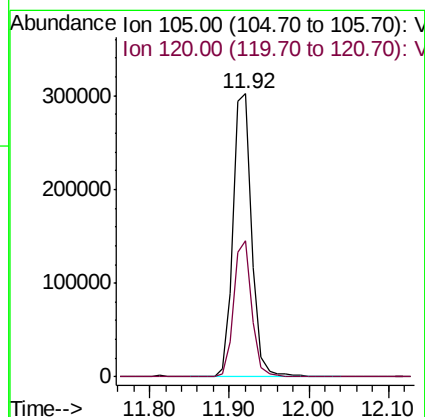
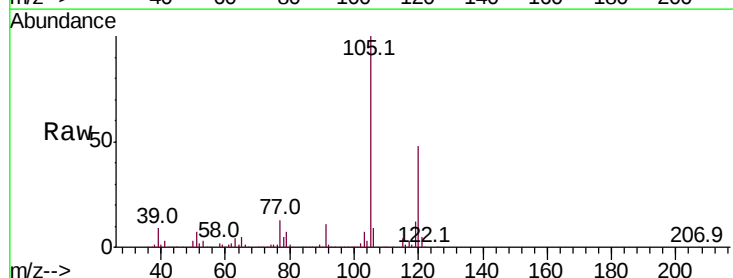
Acq: 23 Aug 2018 12:09

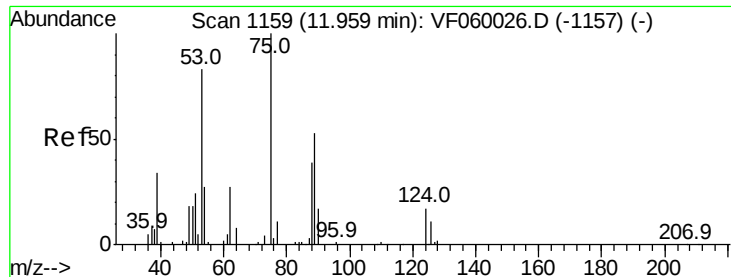
Tgt Ion:105 Resp: 502930

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.5

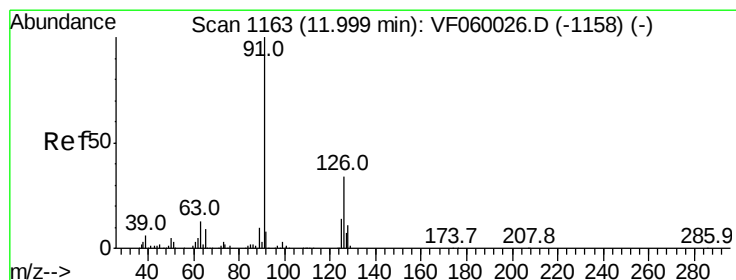
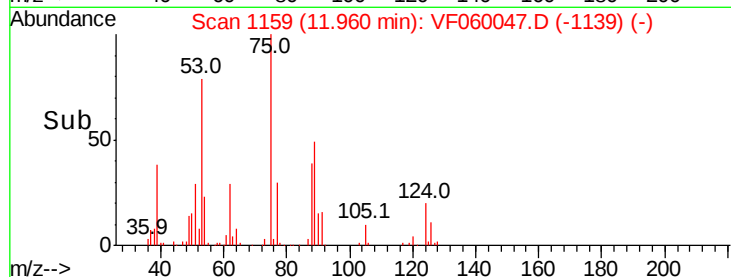
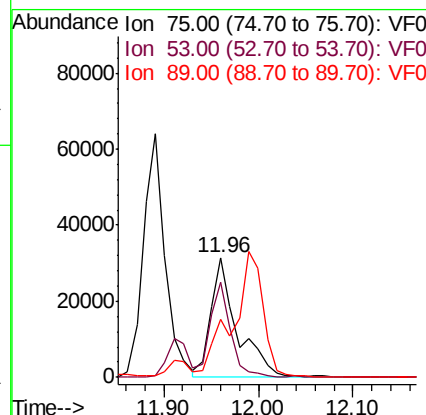
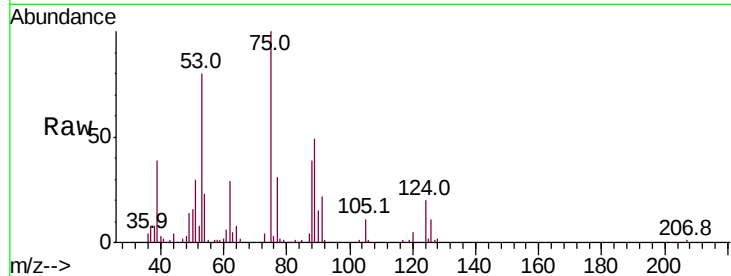




#81
trans-1,4-Dichloro-2-butene
Concen: 64.779 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

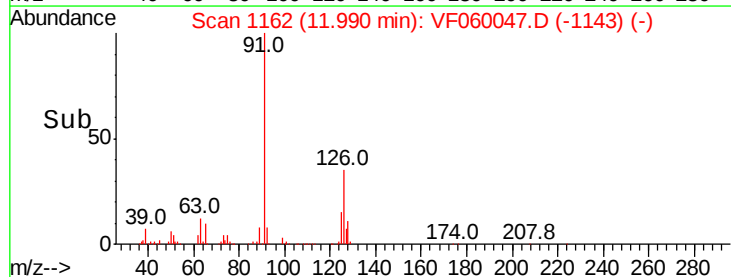
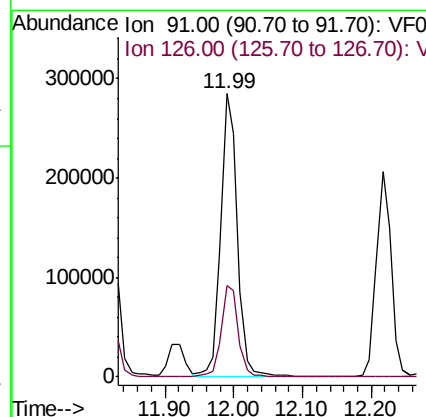
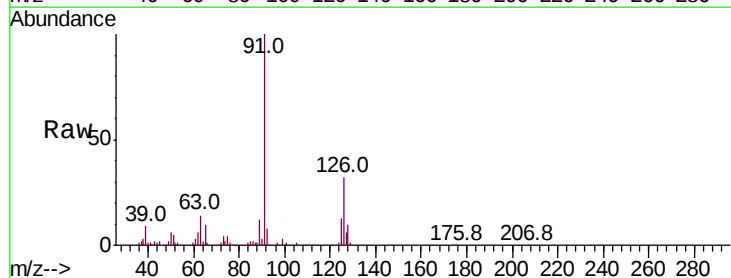
Instrument :
MSVOA_F
ClientSampleId :

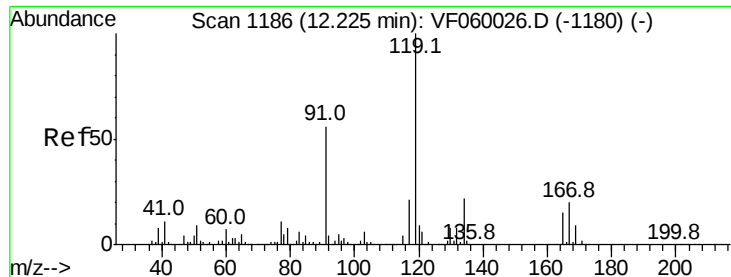
Tot Ion: 75 Resp: 62038
Ion Ratio Lower Upper
75 100
53 79.8 66.2 99.4
89 48.7 42.8 64.2



#82
4-Chlorotoluene
Concen: 48.457 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 91 Resp: 471884
Ion Ratio Lower Upper
91 100
126 32.2 17.0 50.9





#83

tert-Butylbenzene

Concen: 48.846 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

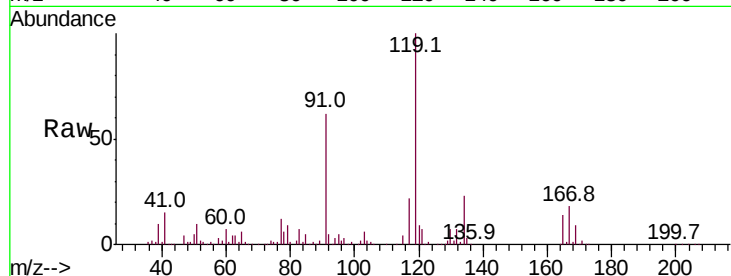
Tot Ion:119 Resp: 512961

Ion Ratio Lower Upper

119 100

91 62.3 28.1 84.3

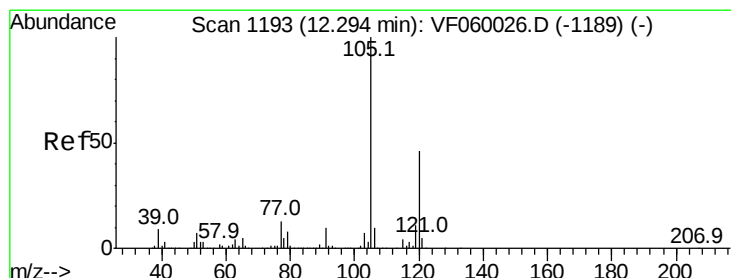
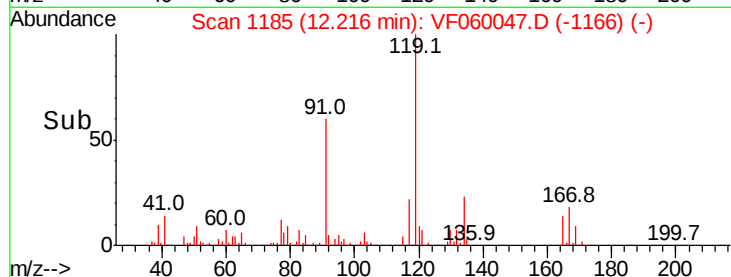
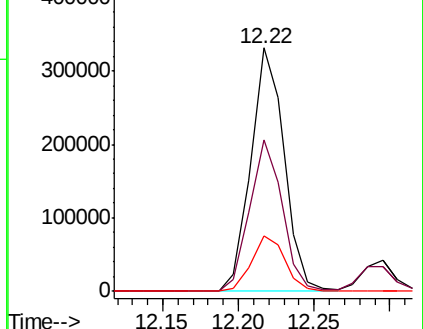
134 22.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.303 ug/l

RT: 12.30 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF060047.D

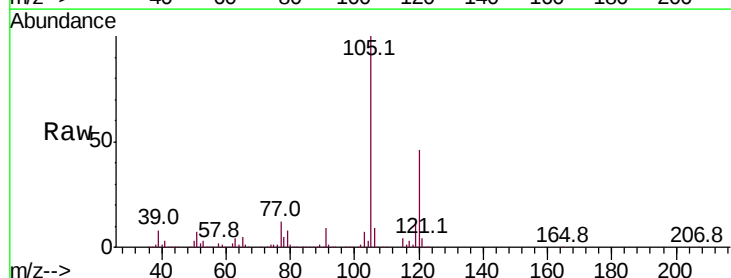
Acq: 23 Aug 2018 12:09

Tgt Ion:105 Resp: 530025

Ion Ratio Lower Upper

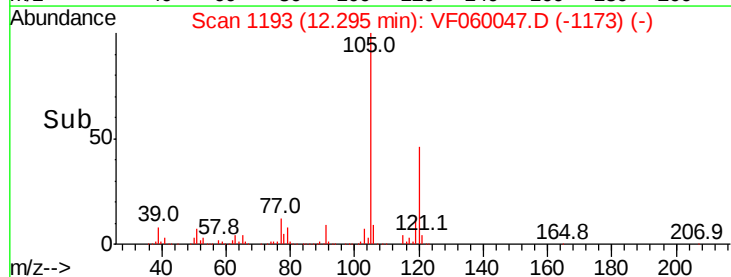
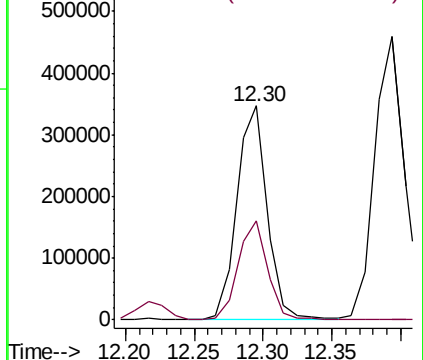
105 100

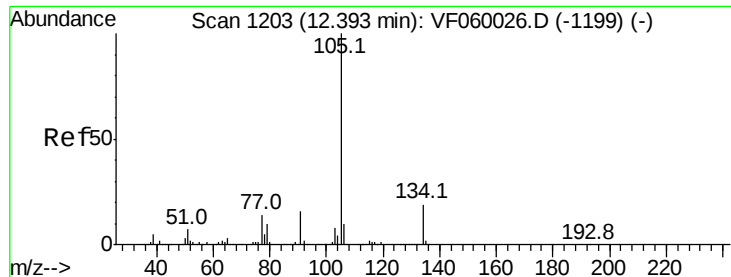
120 46.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.553 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

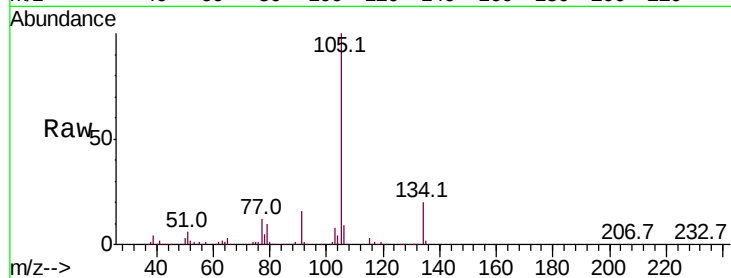
ClientSampleId :

Tot Ion:105 Resp: 695226

Ion Ratio Lower Upper

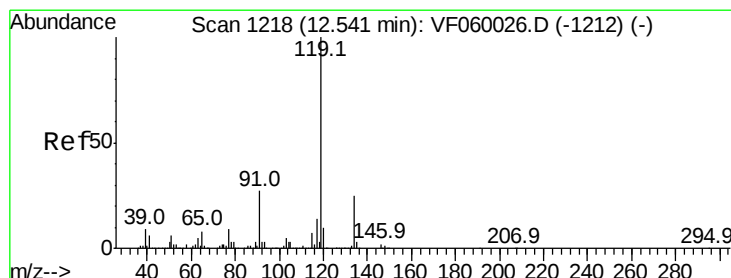
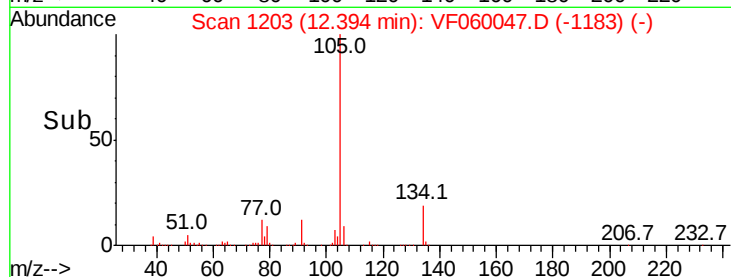
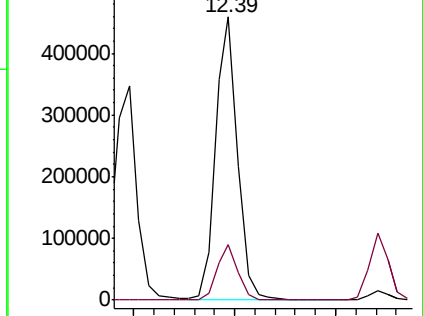
105 100

134 19.6 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.697 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

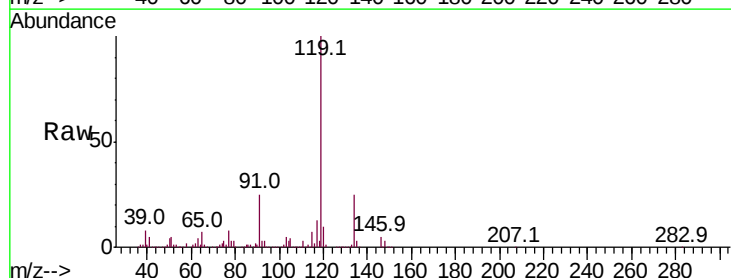
Tgt Ion:119 Resp: 590642

Ion Ratio Lower Upper

119 100

134 25.1 12.4 37.2

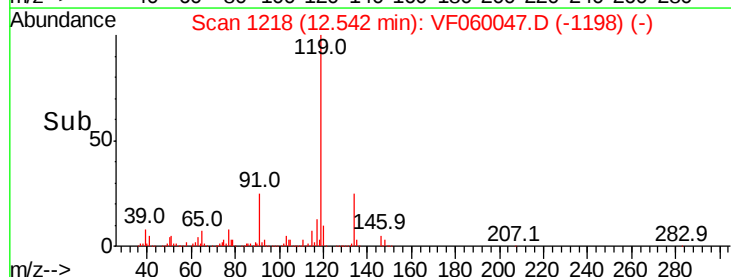
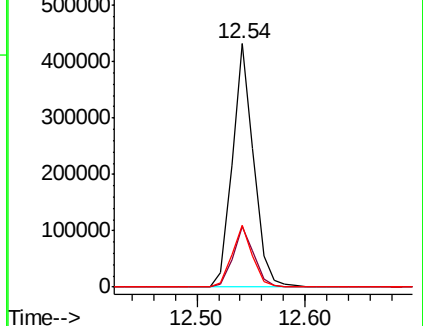
91 25.3 13.5 40.4

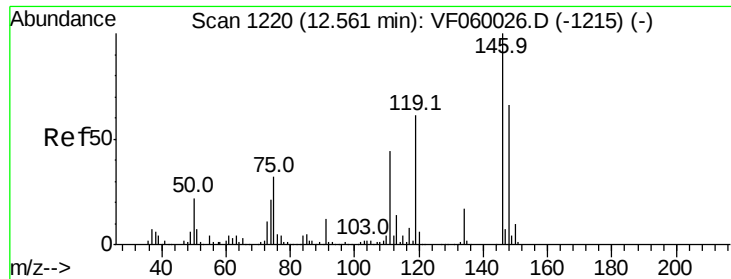


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

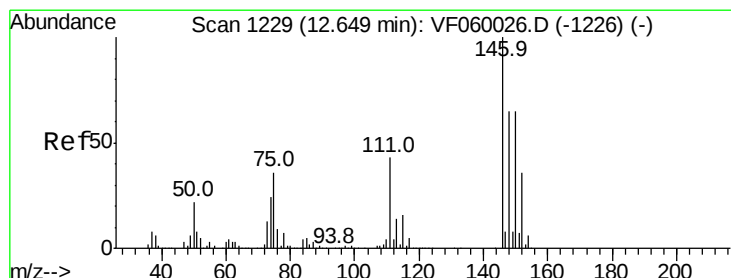
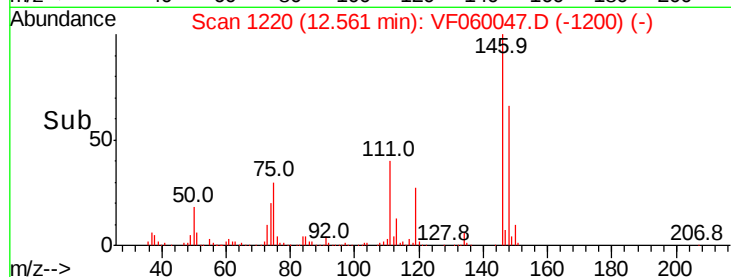
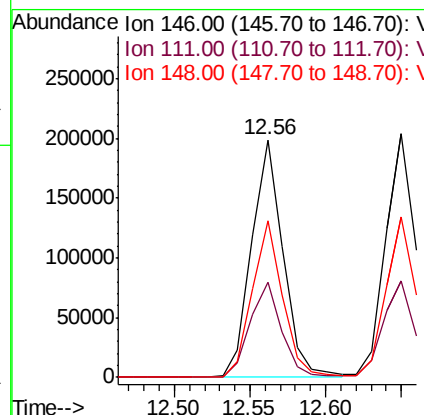
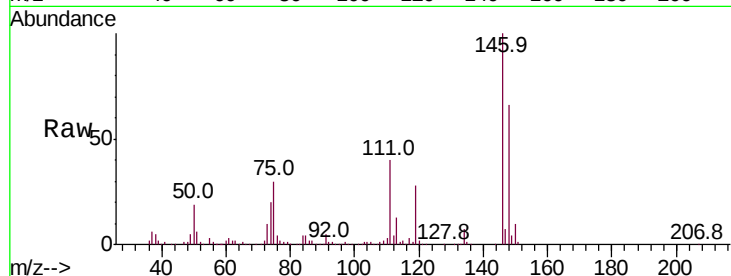




#87
 1,3-Dichlorobenzene
 Concen: 46.618 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

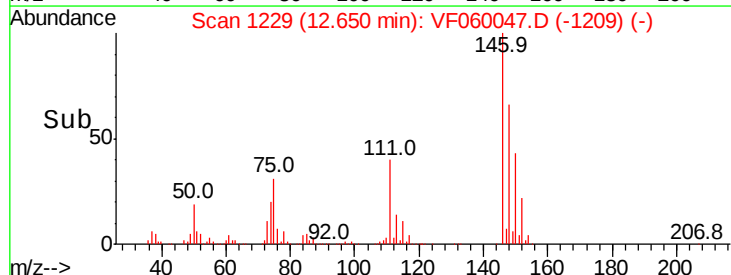
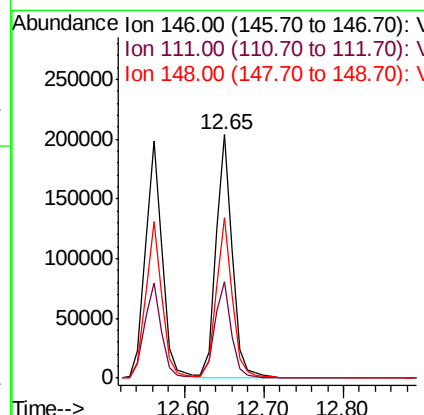
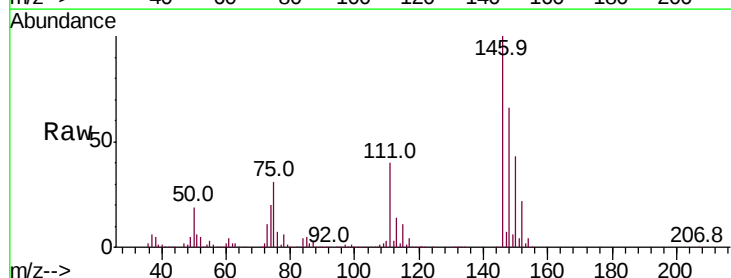
Instrument :
 MSVOA_F
 ClientSampled :

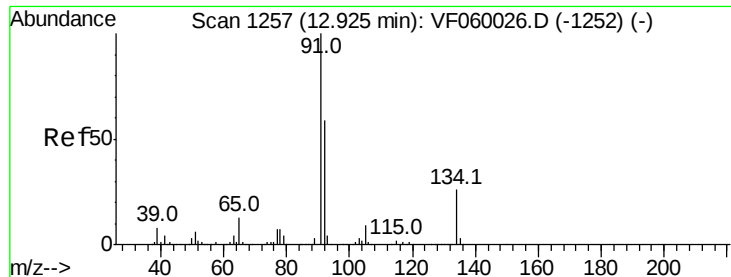
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.9	65.5
148	66.1	32.9	98.7



#88
 1,4-Dichlorobenzene
 Concen: 47.768 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.6	64.8
148	66.0	32.3	96.8





#89

n-Butylbenzene

Concen: 51.042 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

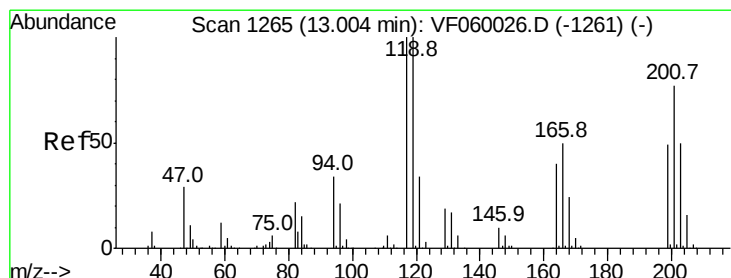
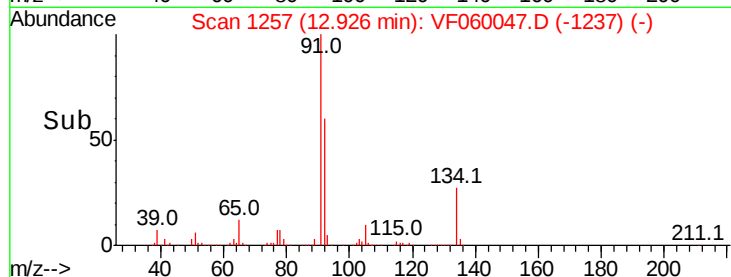
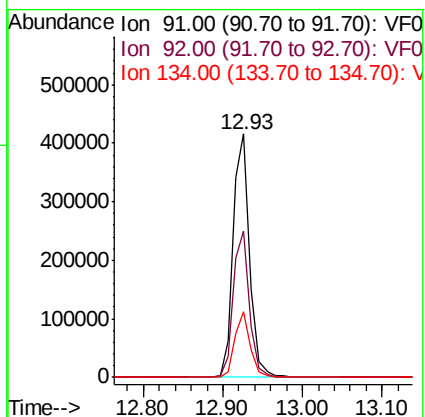
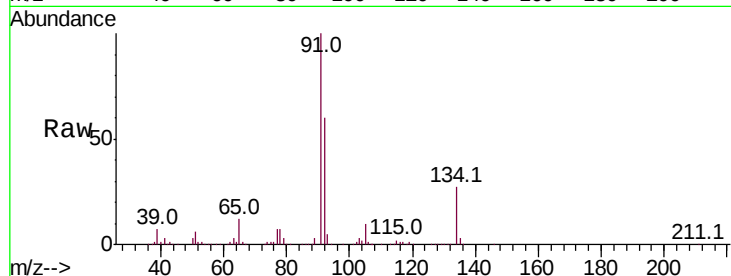
Tot Ion: 91 Resp: 601478

Ion Ratio Lower Upper

91 100

92 60.0 29.3 87.9

134 26.9 12.8 38.3



#90

Hexachloroethane

Concen: 49.534 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF060047.D

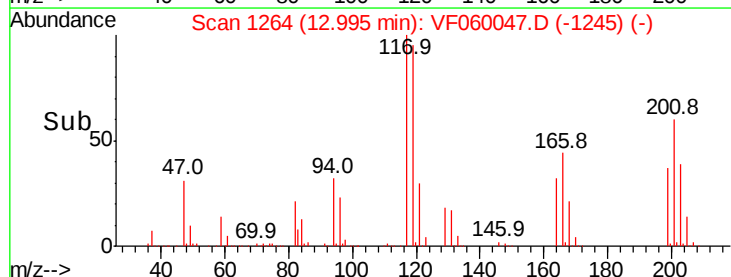
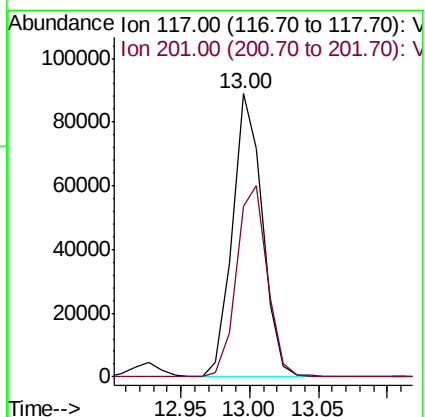
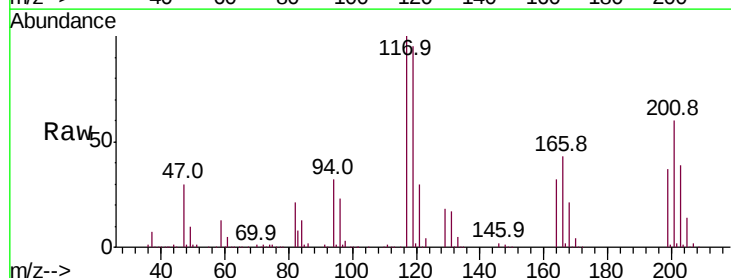
Acq: 23 Aug 2018 12:09

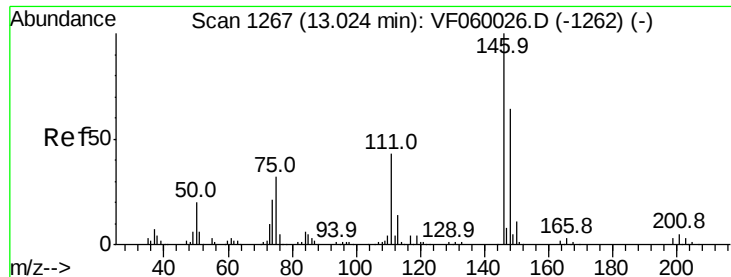
Tgt Ion: 117 Resp: 135007

Ion Ratio Lower Upper

117 100

201 60.2 38.6 115.8

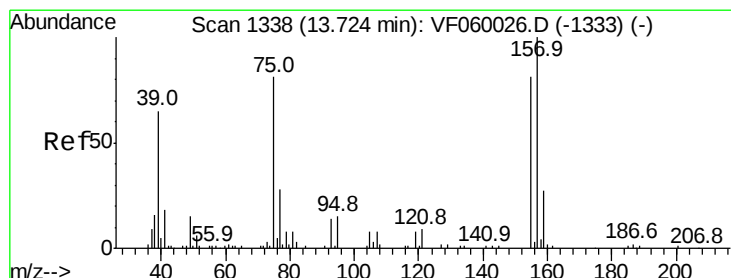
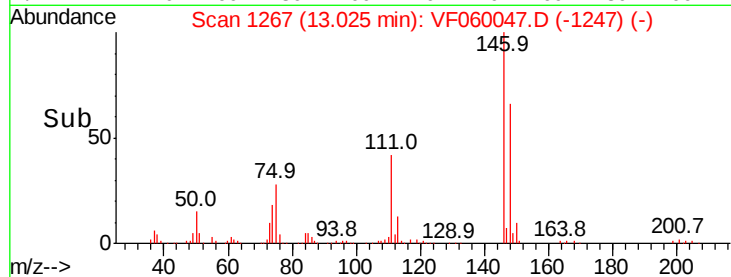
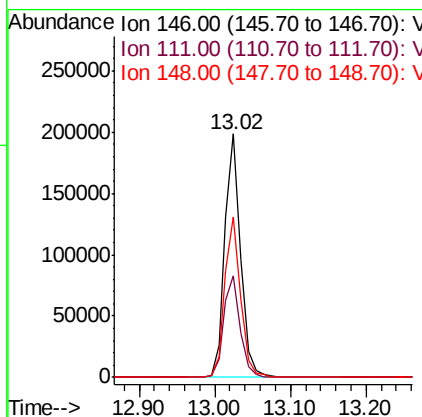
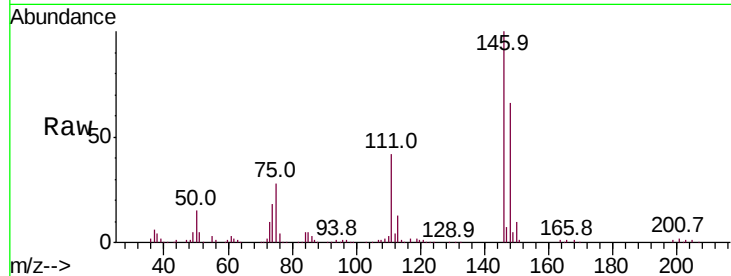




#91
 1,2-Dichlorobenzene
 Concen: 48.172 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

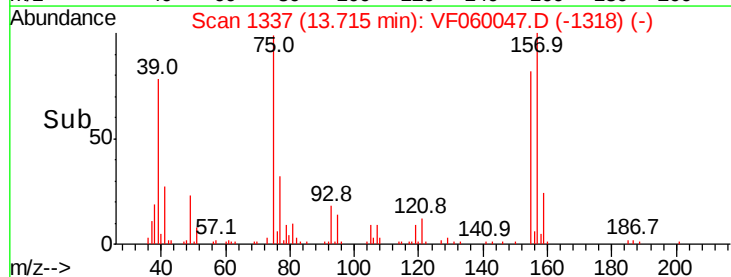
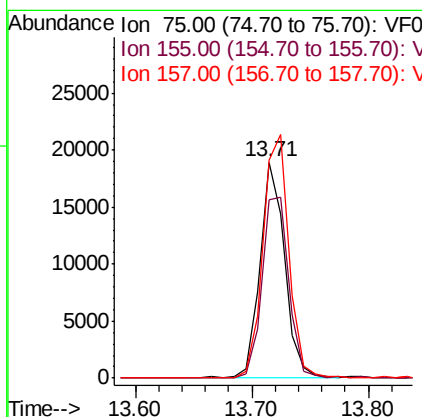
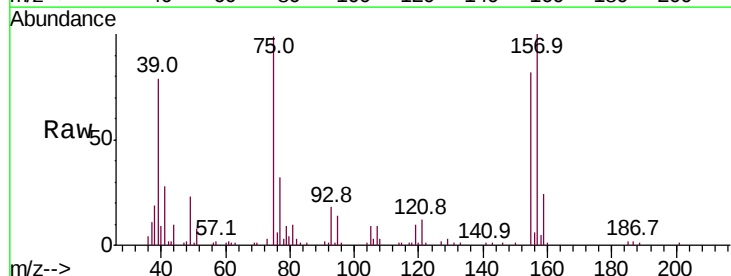
Instrument :
 MSVOA_F
 ClientSampleId :

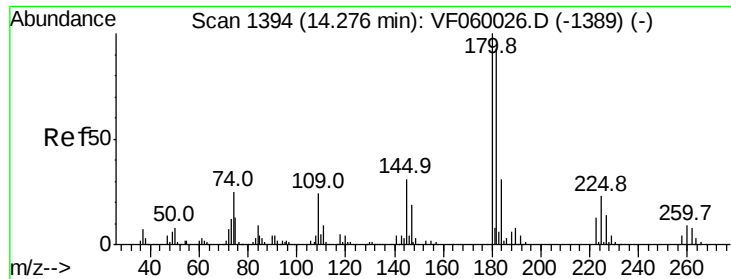
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.6	64.6
148	65.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.393 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	49.8	149.3
157	101.4	61.6	184.7

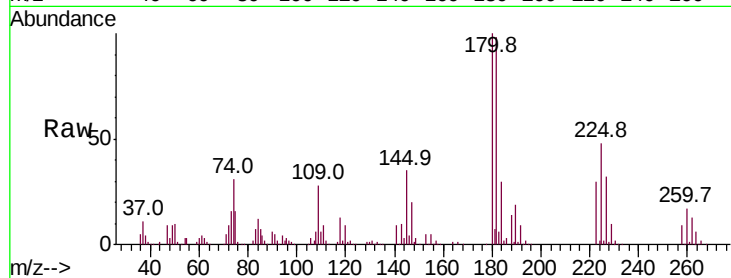




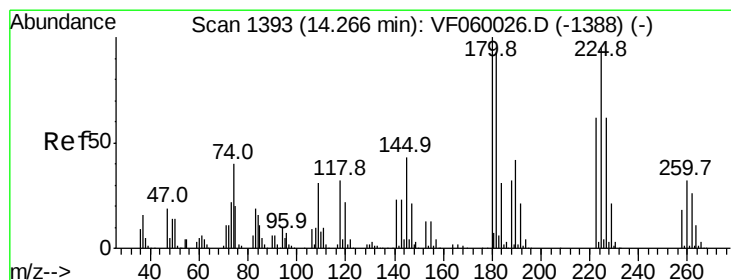
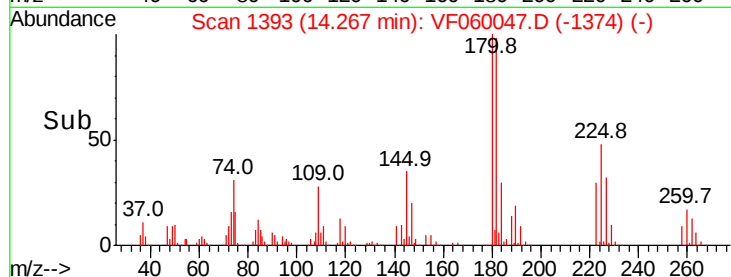
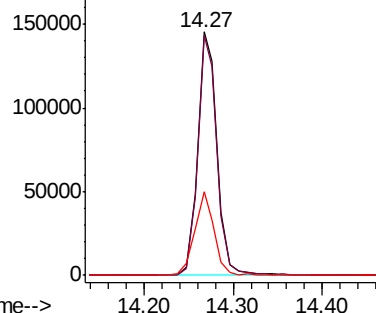
#93
 1,2,4-Trichlorobenzene
 Concen: 51.041 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 224638
 Ion Ratio Lower Upper
 180 100
 182 98.4 46.8 140.3
 145 34.5 15.4 46.4

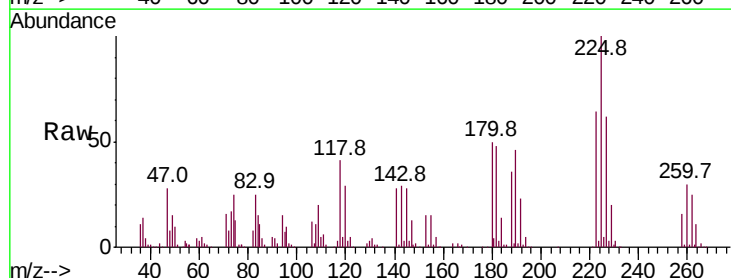


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

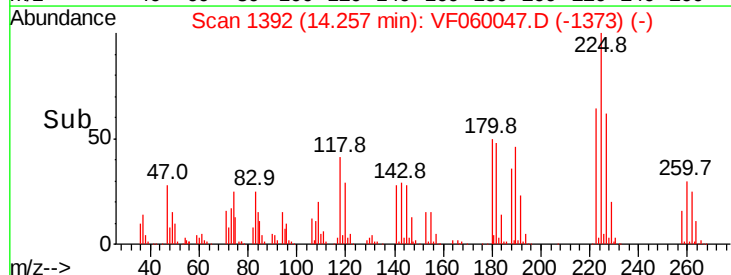
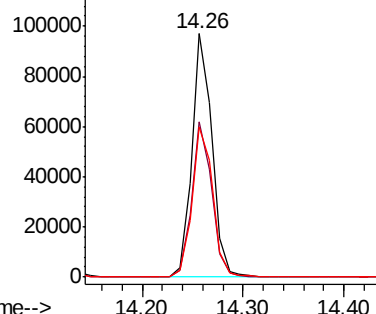


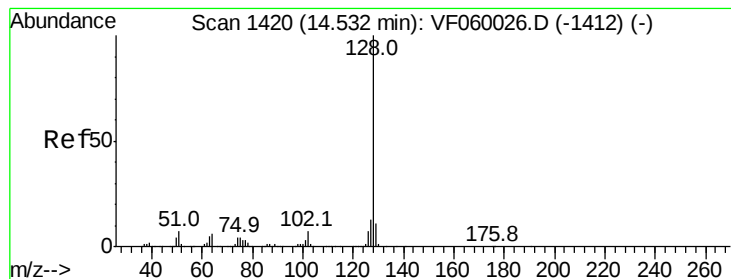
#94
 Hexachlorobutadiene
 Concen: 49.364 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion:225 Resp: 135222
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.6 97.8
 227 61.6 33.0 98.9



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





#95

Naphthalene

Concen: 52.974 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

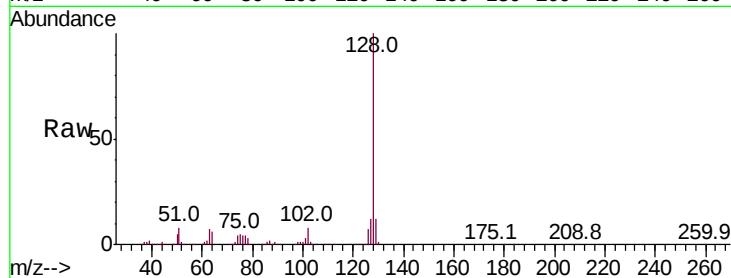
Tot Ion:128 Resp: 405605

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

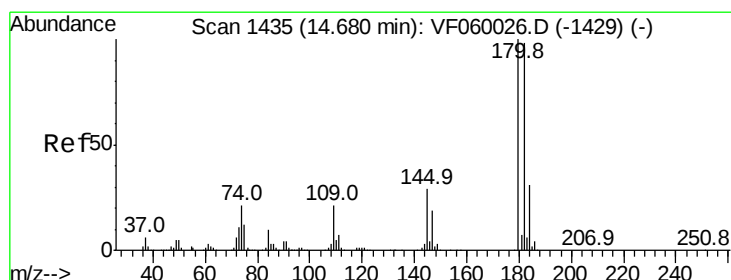
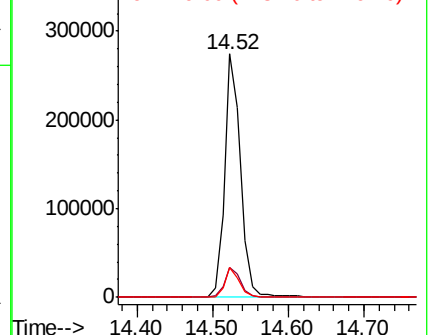
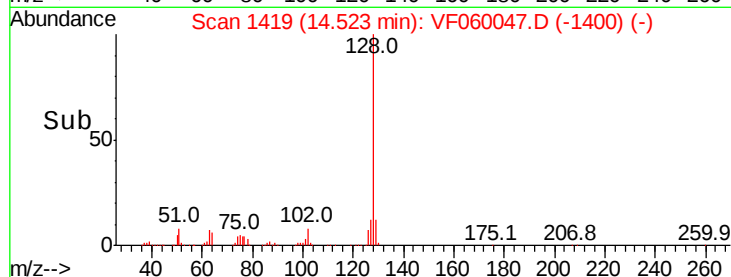
129 12.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.585 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

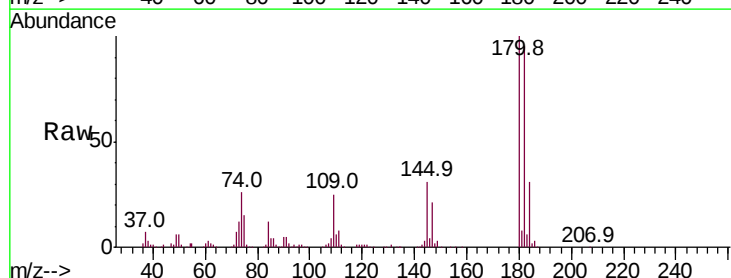
Tgt Ion:180 Resp: 220804

Ion Ratio Lower Upper

180 100

182 95.4 49.0 147.2

145 31.1 14.4 43.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

