

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060120.D
 Acq On : 27 Aug 2018 11:56
 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 27 14:03:45 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	5.03	168	179553	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	264899	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	279075	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	173332	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	129604	52.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	4.29	113	114096	54.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.70%	
50) Toluene-d8	7.71	98	283132	47.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.51	95	167272	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	119517	50.560	ug/l	100
3) Chloromethane	1.07	50	75668	49.261	ug/l	98
4) Vinyl Chloride	1.12	62	64336	43.835	ug/l	94
5) Bromomethane	1.32	94	47479	42.571	ug/l	99
6) Chloroethane	1.39	64	30129	52.076	ug/l	93
7) Trichlorofluoromethane	1.49	101	187521	63.536	ug/l	93
8) Diethyl Ether	1.70	74	23910	45.313	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	81610	52.678	ug/l	95
10) Methyl Iodide	1.93	142	79940	39.028	ug/l #	84
11) Tert butyl alcohol	2.67	59	31289	239.337	ug/l #	89
12) 1,1-Dichloroethene	1.83	96	56000	49.062	ug/l	98
13) Acrolein	2.08	56	19224	241.674	ug/l	84
14) Allyl chloride	2.19	41	100188	49.424	ug/l	90
15) Acrylonitrile	3.06	53	73556	285.114	ug/l	97
16) Acetone	2.33	43	182099	281.951	ug/l	93
17) Carbon Disulfide	1.84	76	147334	41.228	ug/l	100
18) Methyl Acetate	2.44	43	49240	44.151	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	184457	50.441	ug/l	100
20) Methylene Chloride	2.27	84	59546	46.452	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	54005	42.287	ug/l	98
22) Diisopropyl ether	2.92	45	193370	42.600	ug/l	99
23) Vinyl Acetate	3.32	43	634145	263.710	ug/l	100
24) 1,1-Dichloroethane	2.99	63	145453	51.871	ug/l	97
25) 2-Butanone	4.49	43	210520	250.942	ug/l	95
26) 2,2-Dichloropropane	3.75	77	174860	60.273	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	88405	48.849	ug/l	99
28) Bromochloromethane	3.89	49	45059	38.060	ug/l	88
29) Tetrahydrofuran	4.24	42	73823	233.072	ug/l	99
30) Chloroform	4.03	83	209850	53.314	ug/l	99
31) Cyclohexane	3.85	56	93480	43.750	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	191820	56.909	ug/l	98
36) 1,1-Dichloropropene	4.45	75	124368	49.959	ug/l	98
37) Ethyl Acetate	4.28	43	71051	47.724	ug/l #	73
38) Carbon Tetrachloride	4.17	117	170107	59.012	ug/l	98

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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)
39) Methylcyclohexane	5.62	83	111365	47.712	ug/l #	80
40) Benzene	4.80	78	248926	45.776	ug/l	98
41) Methacrylonitrile	4.91	41	37892	50.319	ug/l	93
42) 1,2-Dichloroethane	5.11	62	159754	54.788	ug/l	99
43) Isopropyl Acetate	7.10	43	92914	49.586	ug/l #	96
44) Trichloroethene	5.67	130	91637	50.975	ug/l	98
45) 1,2-Dichloropropane	6.40	63	76598	49.797	ug/l	93
46) Dibromomethane	6.25	93	64585	53.658	ug/l	96
47) Bromodichloromethane	6.54	83	163270	56.160	ug/l	100
48) Methyl methacrylate	6.87	41	58296	47.015	ug/l	92
49) 1,4-Dioxane	6.85	88	13863	1164.655	ug/l #	83
51) 4-Methyl-2-Pentanone	8.40	43	406106	250.972	ug/l	98
52) Toluene	7.78	92	199027	57.646	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	143380	54.385	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	156982	53.352	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	77139	52.571	ug/l	98
56) Ethyl methacrylate	8.75	69	94311	53.102	ug/l	97
57) 1,3-Dichloropropane	9.00	76	133257	51.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	37866	268.598	ug/l	100
59) 2-Hexanone	9.62	43	345454	263.776	ug/l	96
60) Dibromochloromethane	8.86	129	119114	54.992	ug/l	98
61) 1,2-Dibromoethane	9.13	107	89195	51.761	ug/l	94
64) Tetrachloroethene	8.30	164	88939	47.309	ug/l	97
65) Chlorobenzene	9.93	112	267803	50.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	107275	53.671	ug/l	95
67) Ethyl Benzene	10.03	91	477097	52.469	ug/l	98
68) m/p-Xylenes	10.27	106	334586	114.134	ug/l	98
69) o-Xylene	10.82	106	190588	53.499	ug/l	95
70) Styrene	10.90	104	287781	52.654	ug/l	97
71) Bromoform	10.89	173	76825	55.092	ug/l	94
73) Isopropylbenzene	11.23	105	535856	51.359	ug/l	99
74) N-amyl acetate	11.46	43	164096	50.600	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	113901	49.987	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	87026	49.249	ug/l	99
77) Bromobenzene	11.59	156	143185	50.462	ug/l	91
78) n-propylbenzene	11.69	91	652619	50.679	ug/l	98
79) 2-Chlorotoluene	11.81	91	383259	50.614	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	461194	50.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	53433	66.089	ug/l	98
82) 4-Chlorotoluene	11.98	91	433640	52.747	ug/l	95
83) tert-Butylbenzene	12.21	119	474503	53.521	ug/l	92
84) 1,2,4-Trimethylbenzene	12.29	105	482028	49.880	ug/l	98
85) sec-Butylbenzene	12.39	105	638408	51.725	ug/l	96
86) p-Isopropyltoluene	12.54	119	538343	52.575	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	265758	50.655	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	266508	51.115	ug/l	96
89) n-Butylbenzene	12.92	91	550121	55.298	ug/l	99
90) Hexachloroethane	12.99	117	123973	53.878	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	259305	51.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	26058	55.962	ug/l	78

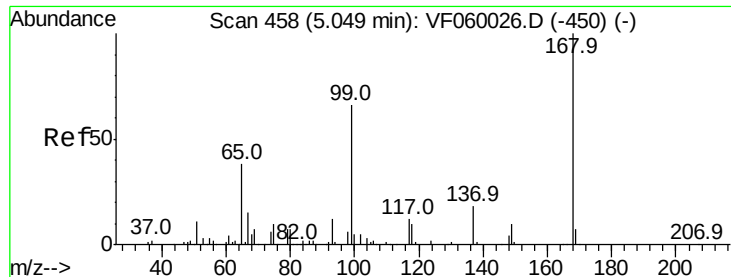
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082718\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	195578	52.638	ug/l	98
94) Hexachlorobutadiene	14.25	225	129242	55.887	ug/l	95
95) Naphthalene	14.52	128	294661	45.905	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	187948	53.020	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

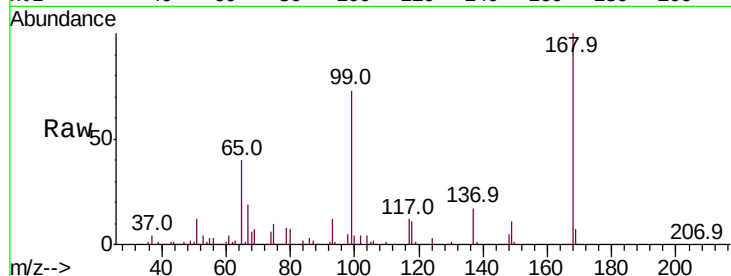
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 179553

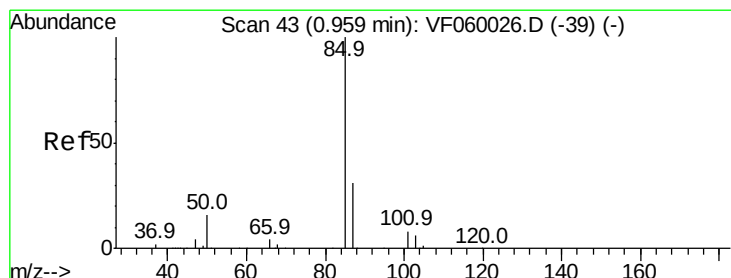
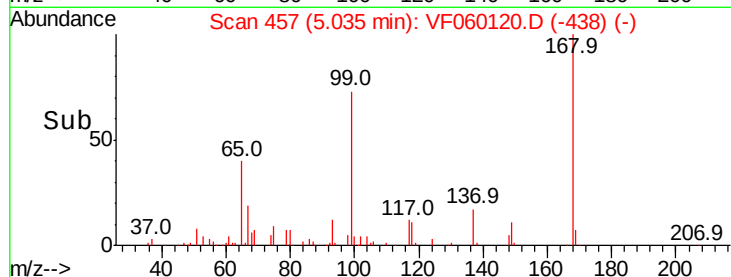
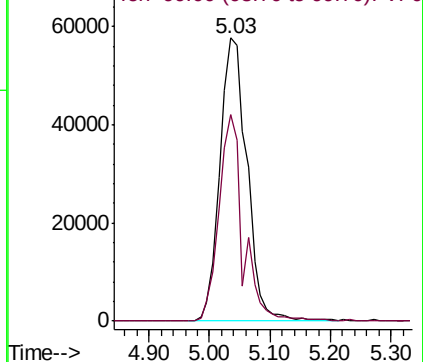
Ion Ratio Lower Upper

168 100

99 73.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 50.560 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060120.D

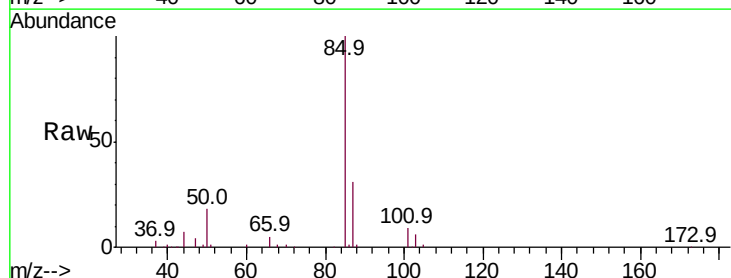
Acq: 27 Aug 2018 11:56

Tgt Ion: 85 Resp: 119517

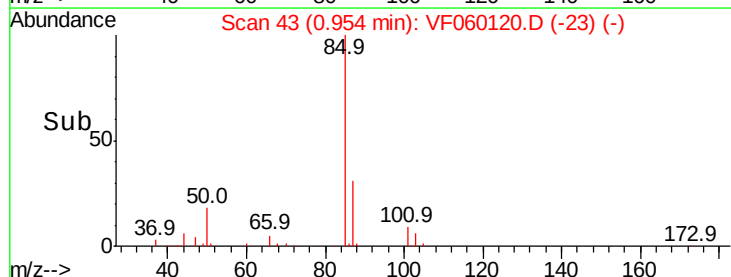
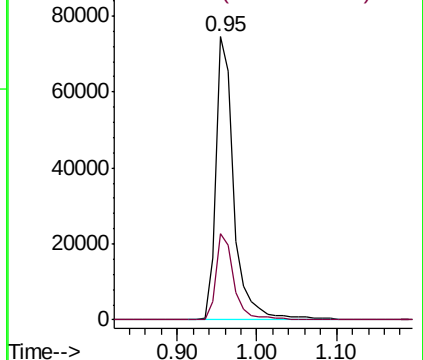
Ion Ratio Lower Upper

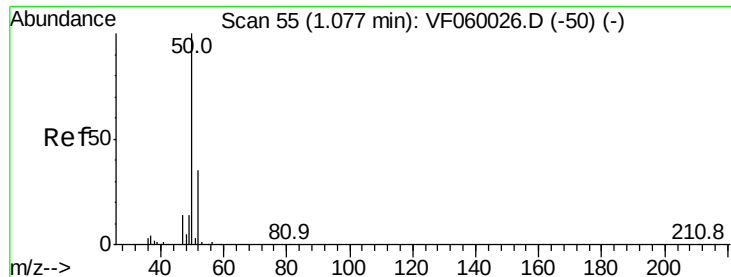
85 100

87 30.7 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 49.261 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

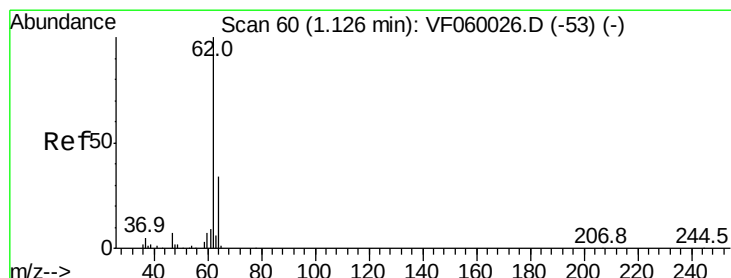
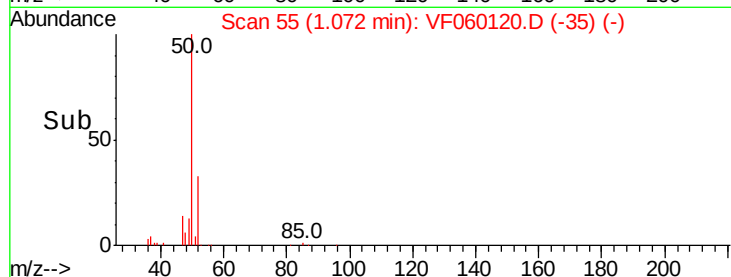
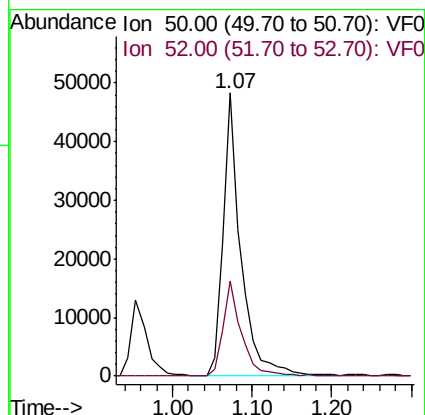
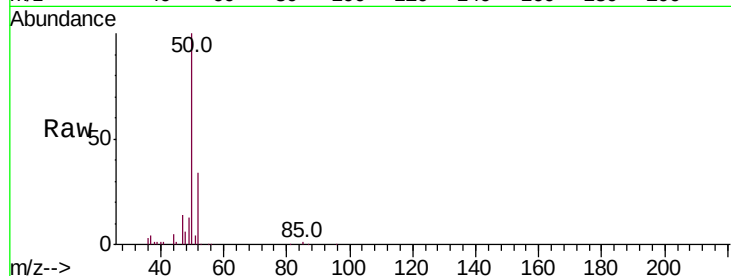
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 75668

Ion Ratio Lower Upper

50 100

52 33.6 27.6 41.4



#4

Vinyl Chloride

Concen: 43.835 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060120.D

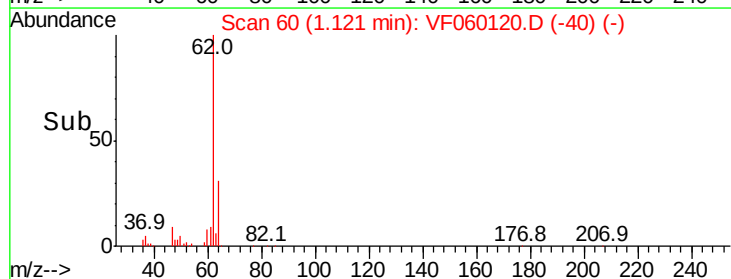
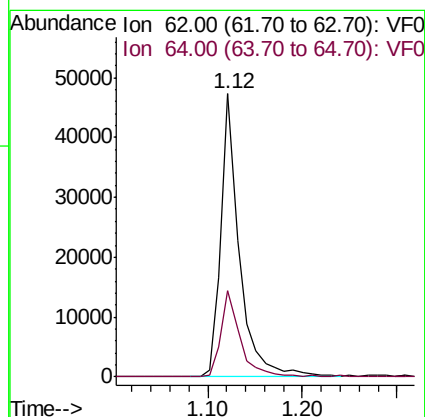
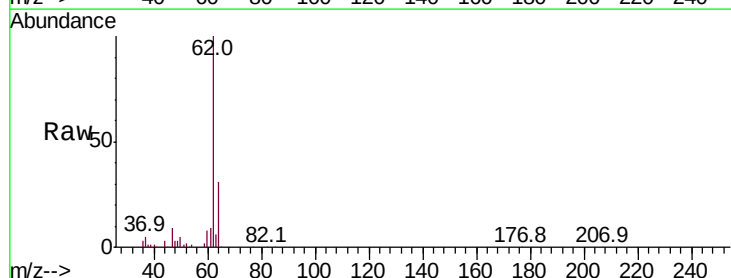
Acq: 27 Aug 2018 11:56

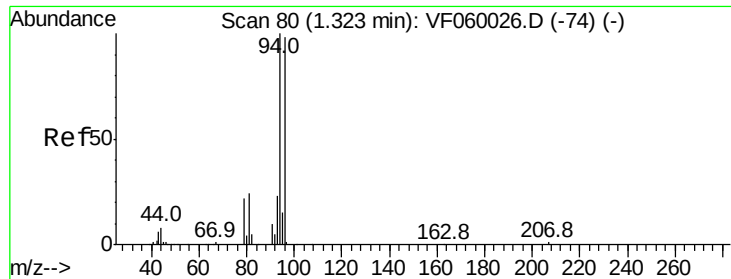
Tgt Ion: 62 Resp: 64336

Ion Ratio Lower Upper

62 100

64 30.7 27.4 41.2





#5

Bromomethane

Concen: 42.571 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

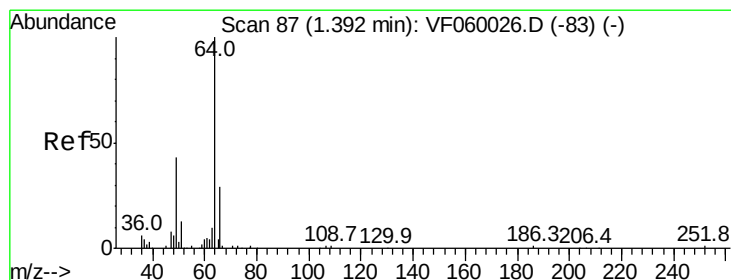
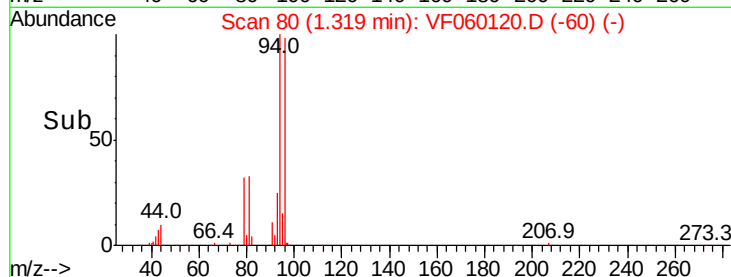
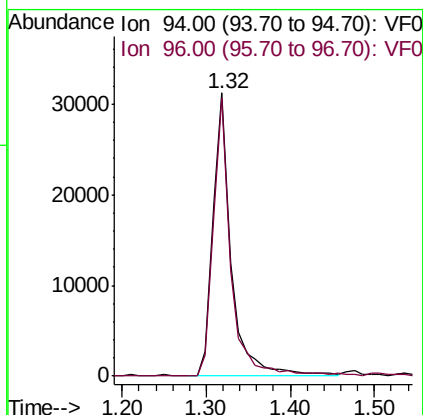
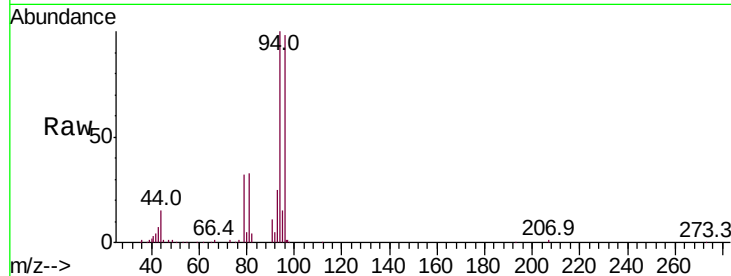
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 47479

Ion Ratio Lower Upper

94 100

96 99.1 78.6 118.0



#6

Chloroethane

Concen: 52.076 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060120.D

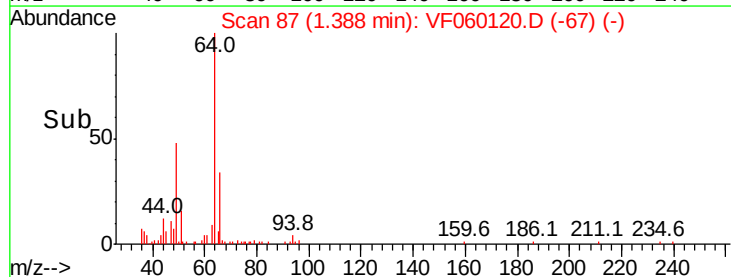
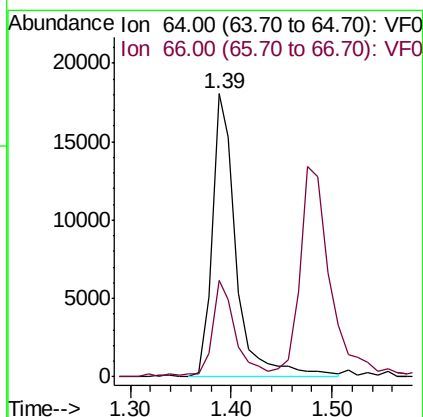
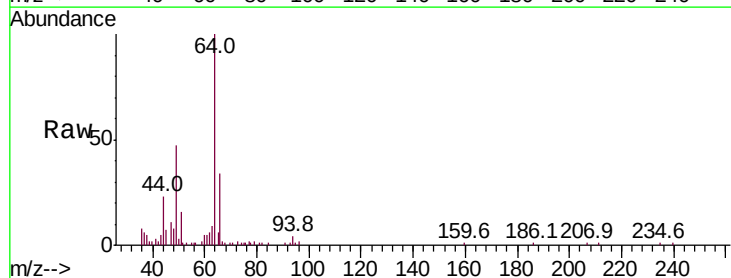
Acq: 27 Aug 2018 11:56

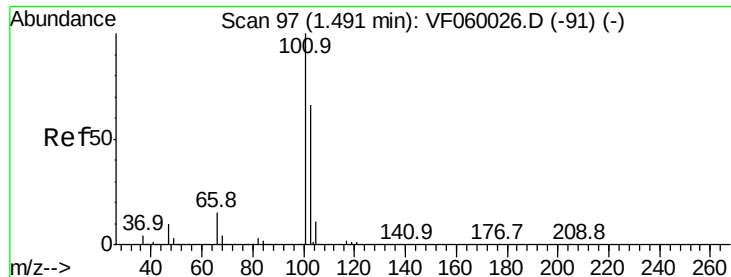
Tgt Ion: 64 Resp: 30129

Ion Ratio Lower Upper

64 100

66 34.0 24.1 36.1



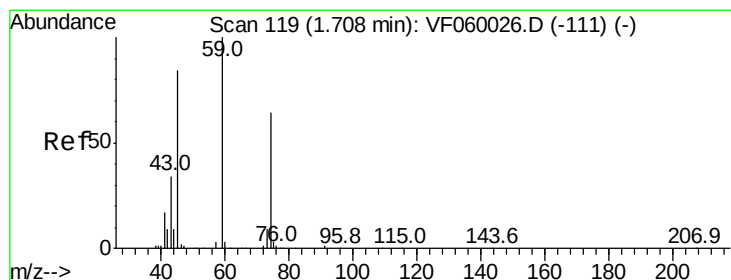
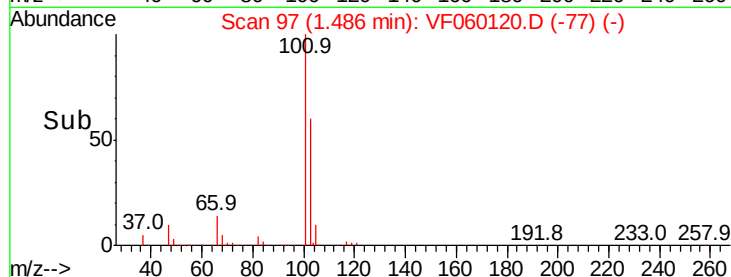
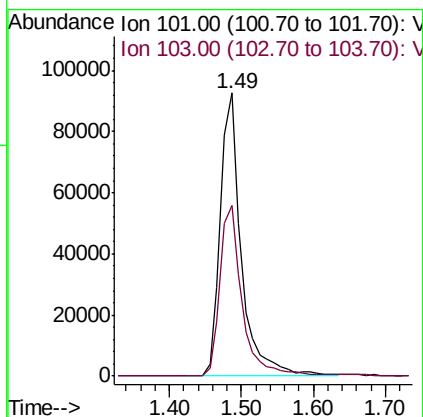
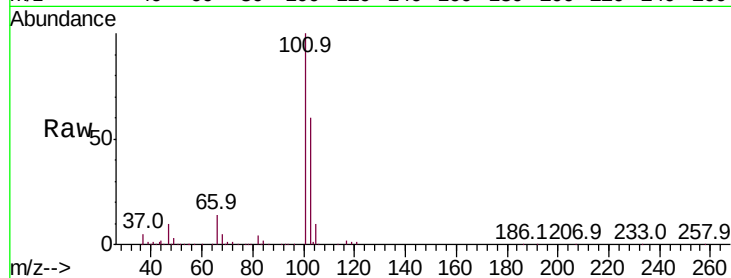


#7

Trichlorofluoromethane
Concen: 63.536 ug/l
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

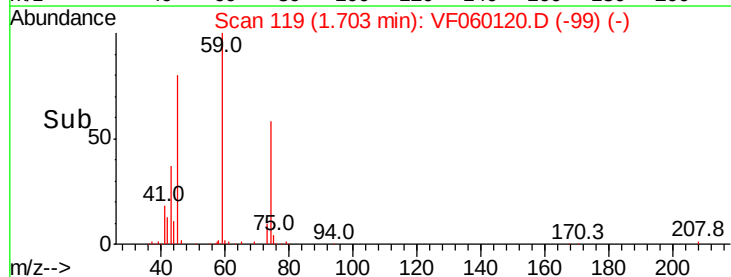
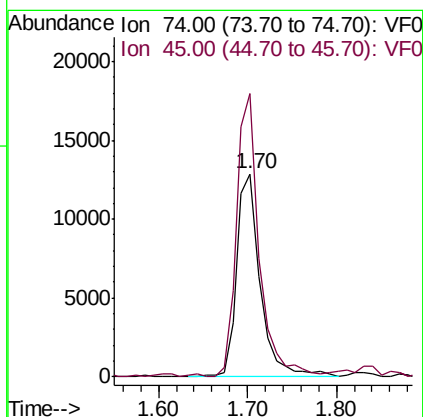
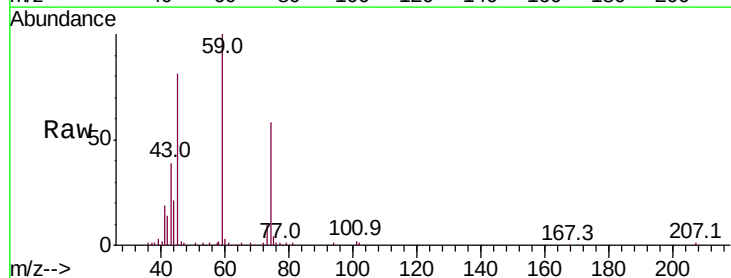
Tot Ion:101 Resp: 187521
Ion Ratio Lower Upper
101 100
103 60.3 52.5 78.7

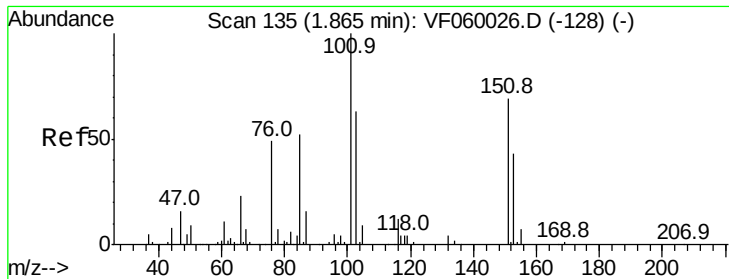


#8

Diethyl Ether
Concen: 45.313 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 74 Resp: 23910
Ion Ratio Lower Upper
74 100
45 139.4 66.0 198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.678 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

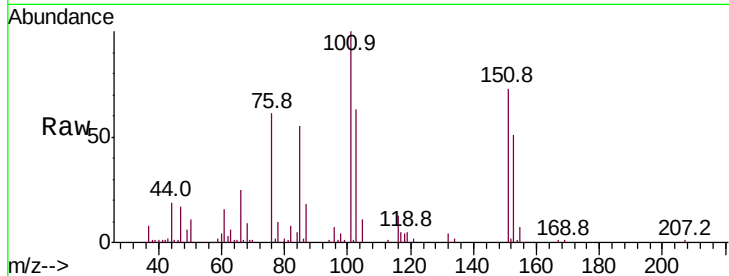
Tot Ion:101 Resp: 81610

Ion Ratio Lower Upper

101 100

85 55.0 41.5 62.3

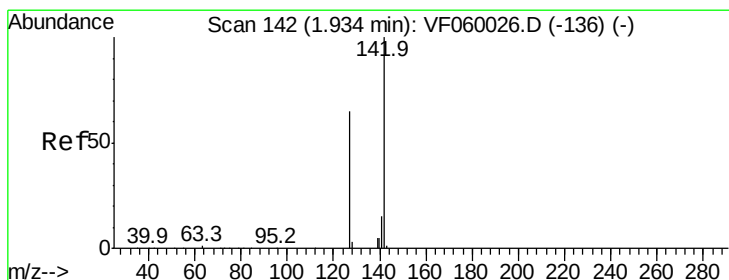
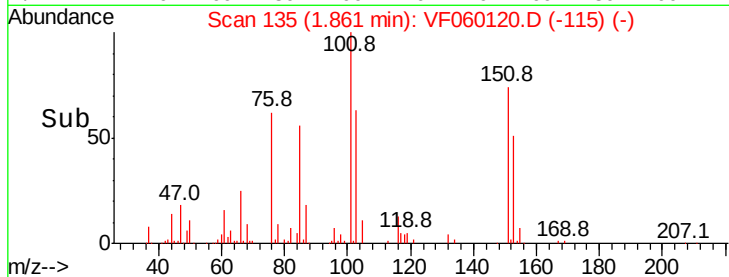
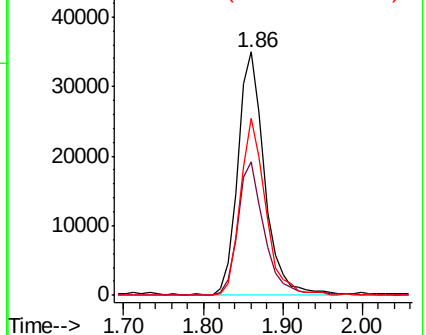
151 72.9 55.2 82.8



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: 39.028 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

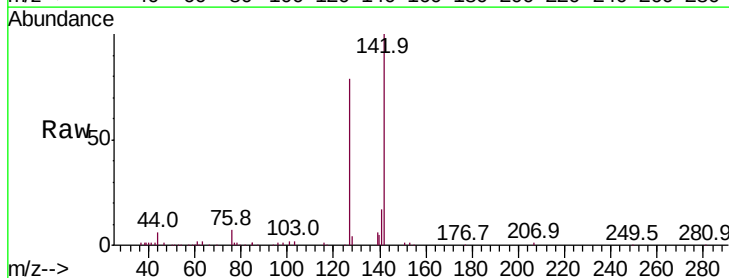
Tgt Ion:142 Resp: 79940

Ion Ratio Lower Upper

142 100

127 79.3 51.8 77.6#

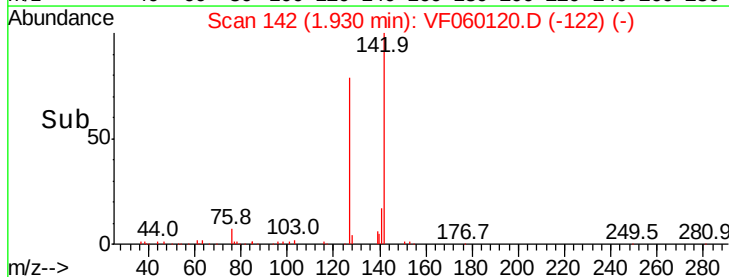
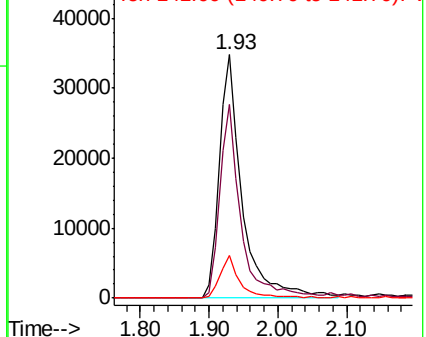
141 17.3 11.9 17.9

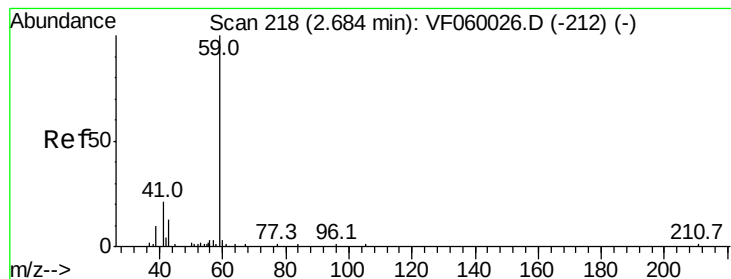


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



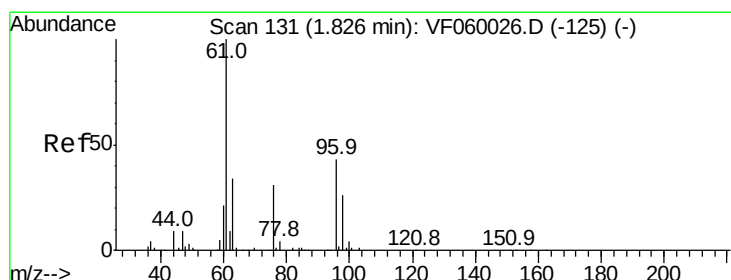
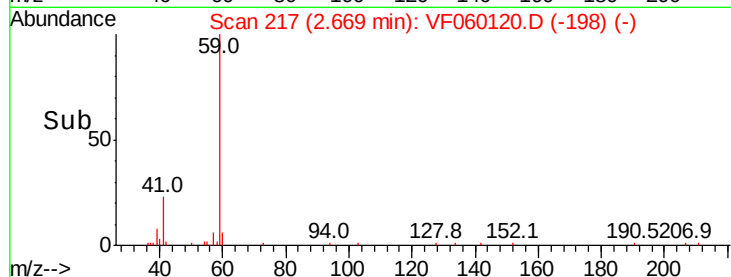
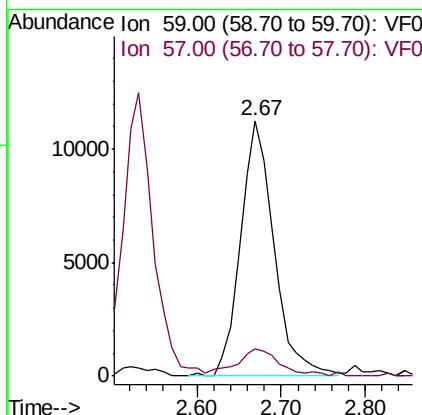
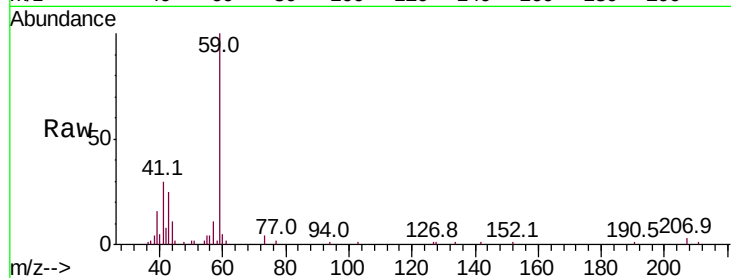


#11

Tert butyl alcohol
Concen: 239.337 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

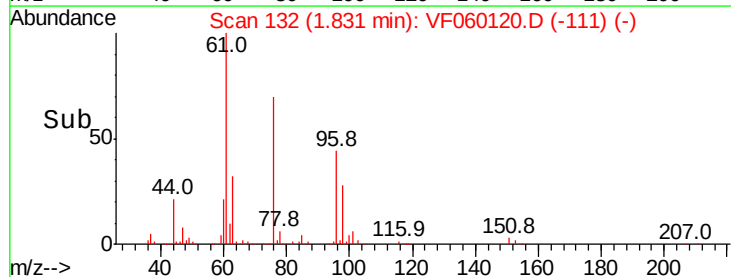
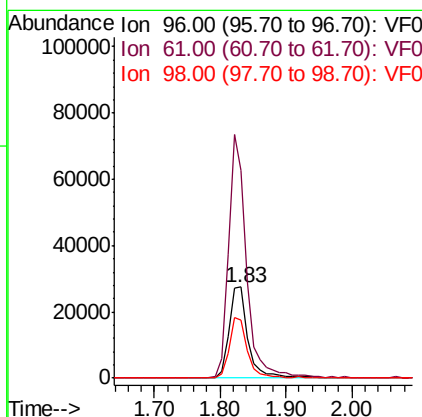
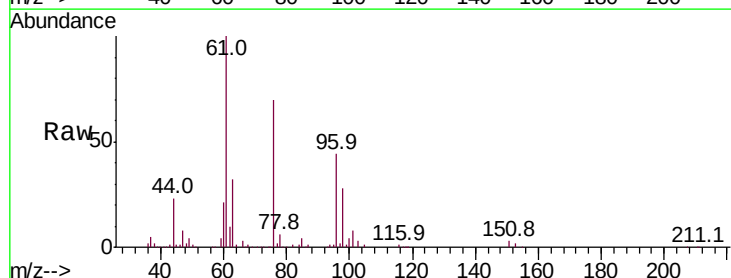
Tot Ion: 59 Resp: 31289
Ion Ratio Lower Upper
59 100
57 10.5 5.4 8.2#

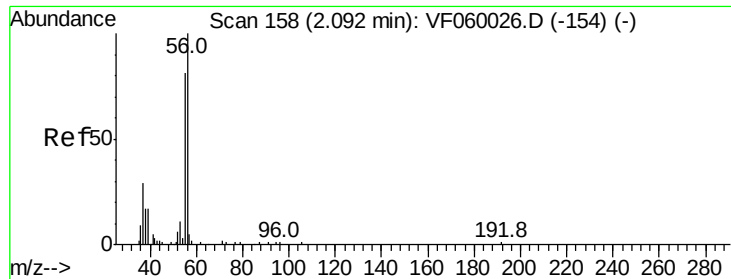


#12

1,1-Dichloroethene
Concen: 49.062 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 96 Resp: 56000
Ion Ratio Lower Upper
96 100
61 228.4 185.0 277.6
98 63.0 47.8 71.8





#13

Acrolein

Concen: 241.674 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

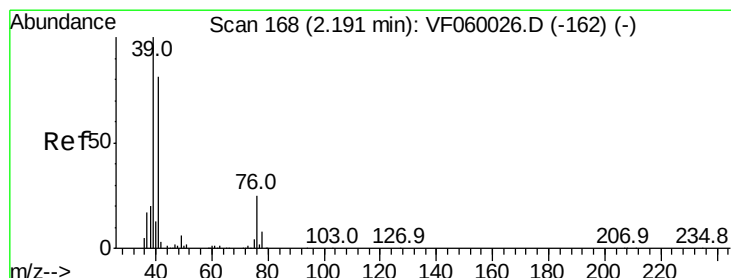
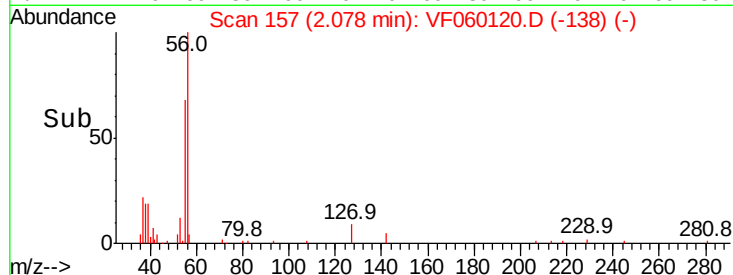
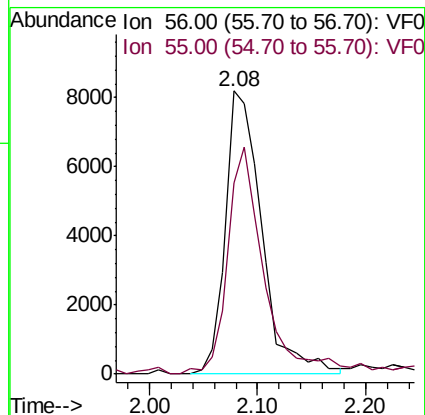
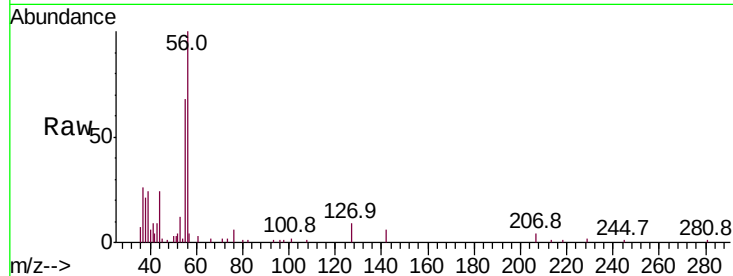
ClientSampleId :

Tot Ion: 56 Resp: 19224

Ion Ratio Lower Upper

56 100

55 67.6 65.6 98.4



#14

Allyl chloride

Concen: 49.424 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

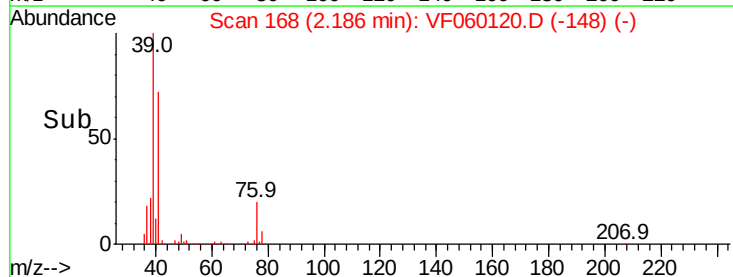
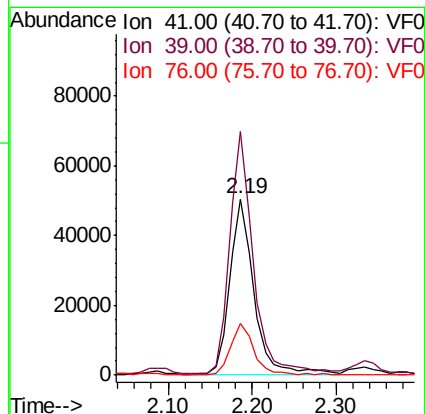
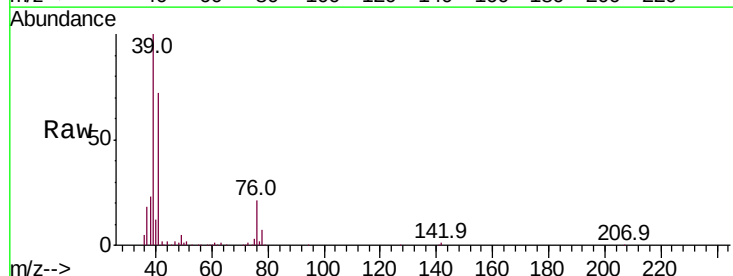
Tgt Ion: 41 Resp: 100188

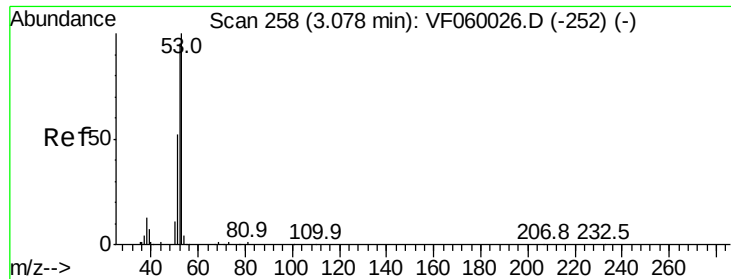
Ion Ratio Lower Upper

41 100

39 138.5 99.3 148.9

76 29.7 24.3 36.5





#15

Acrylonitrile

Concen: 285.114 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

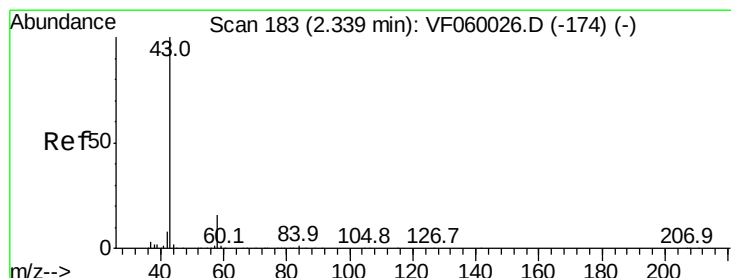
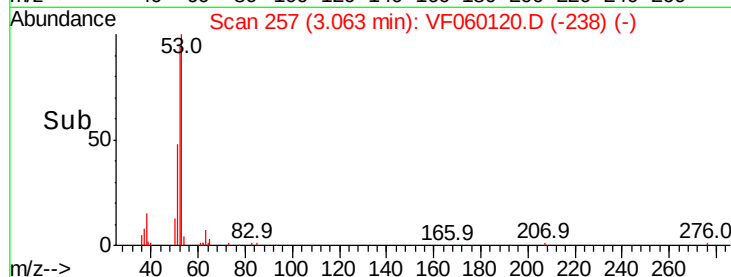
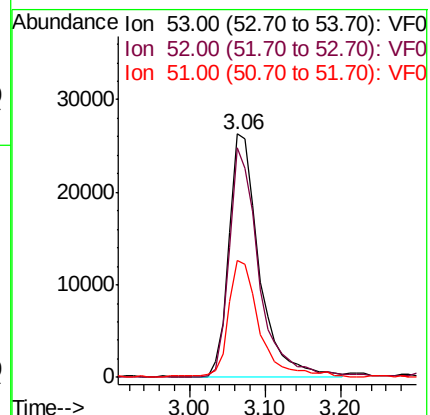
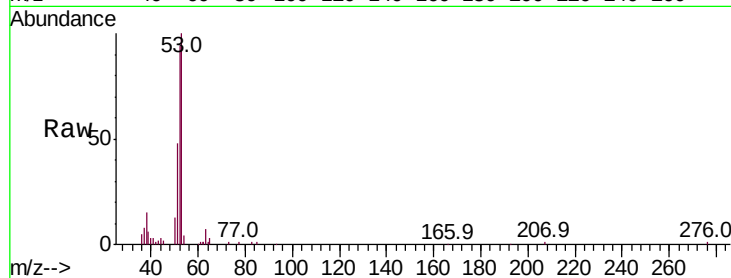
Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 73556

Ion	Ratio	Lower	Upper
53	100		
52	94.1	75.8	113.8
51	48.2	42.1	63.1



#16

Acetone

Concen: 281.951 ug/l

RT: 2.33 min Scan# 183

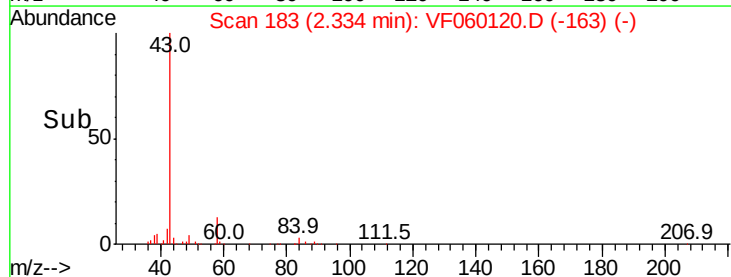
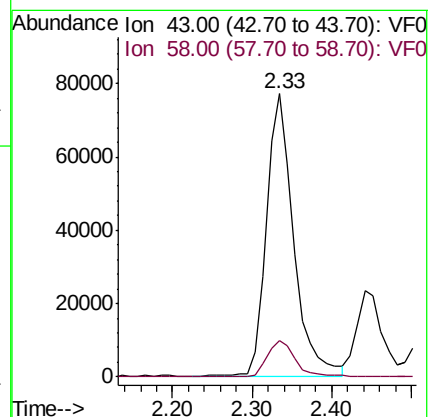
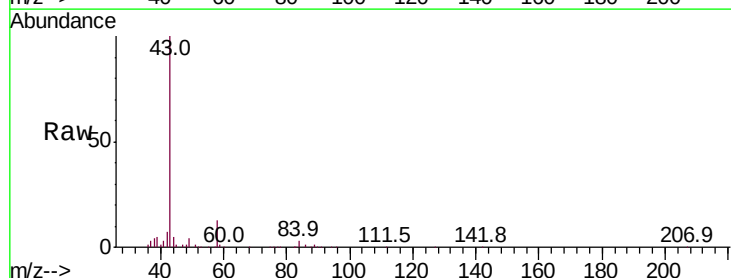
Delta R.T. -0.00 min

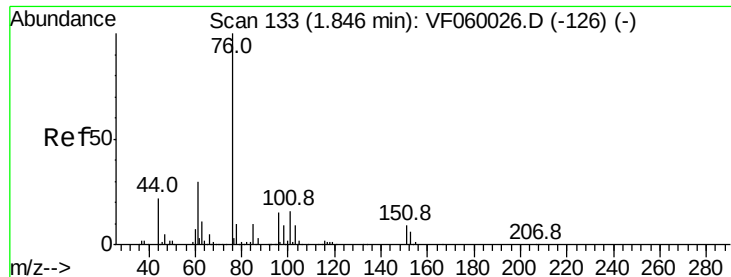
Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion: 43 Resp: 182099

Ion	Ratio	Lower	Upper
43	100		
58	13.0	12.6	19.0





#17

Carbon Disulfide

Concen: 41.228 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

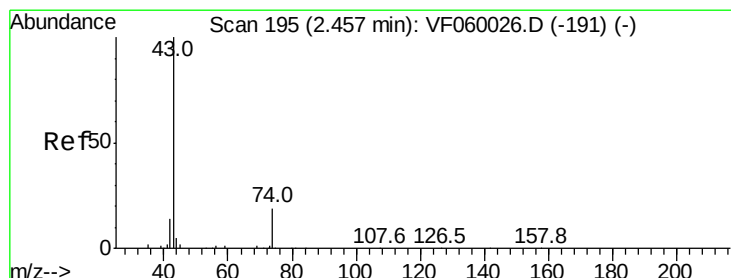
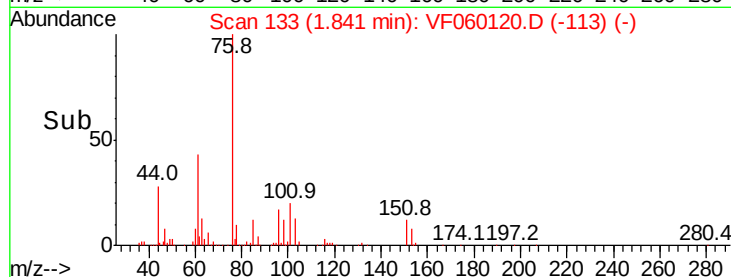
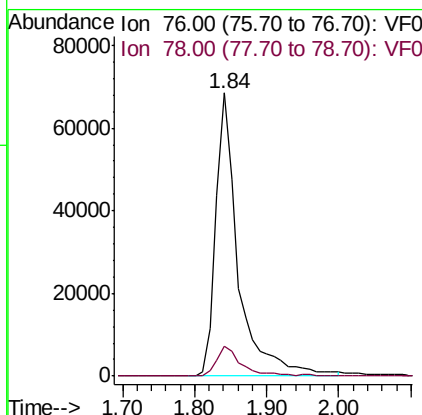
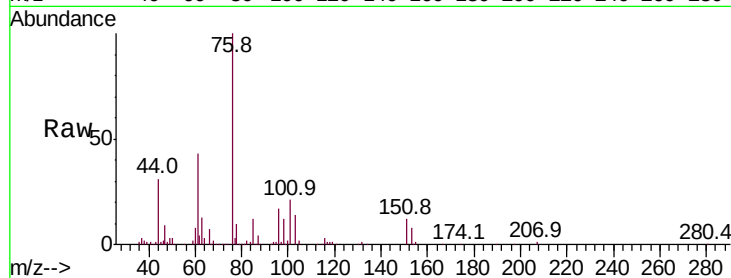
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 147334

Ion Ratio Lower Upper

76 100

78 10.5 8.4 12.6



#18

Methyl Acetate

Concen: 44.151 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060120.D

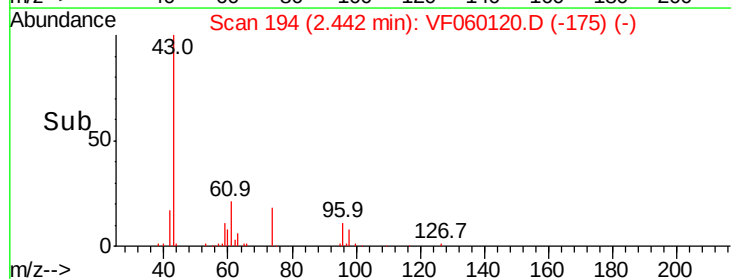
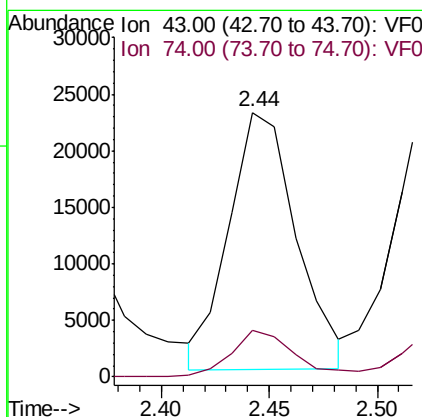
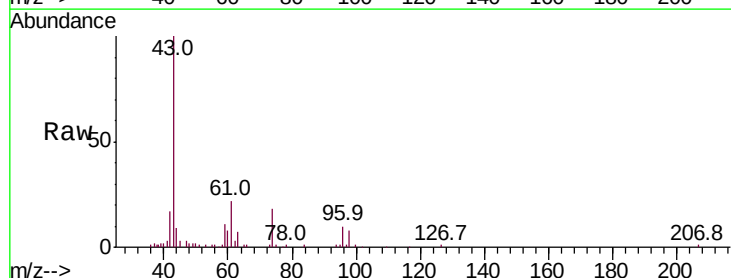
Acq: 27 Aug 2018 11:56

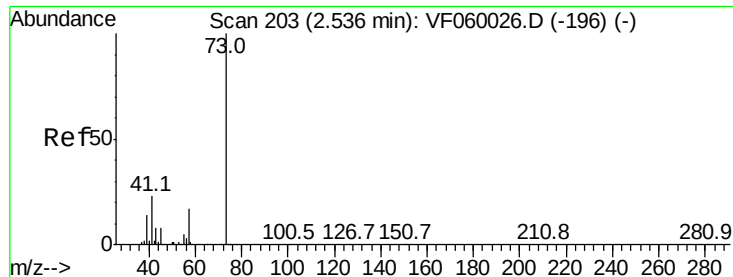
Tgt Ion: 43 Resp: 49240

Ion Ratio Lower Upper

43 100

74 17.5 13.8 20.6



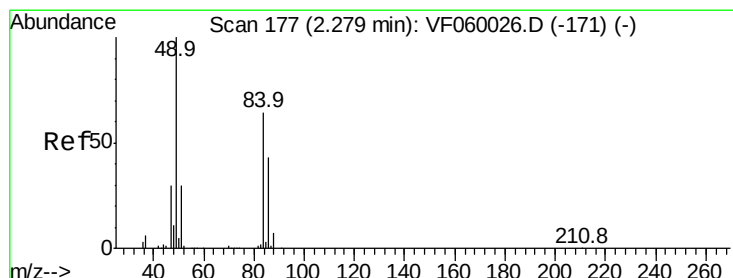
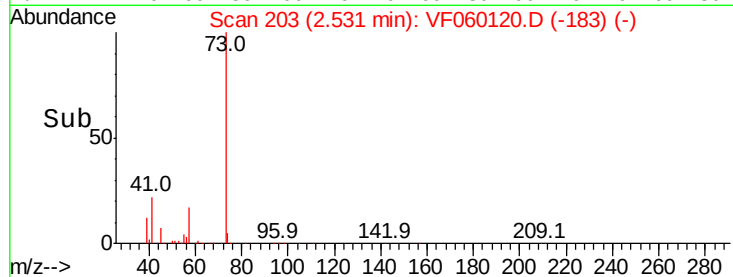
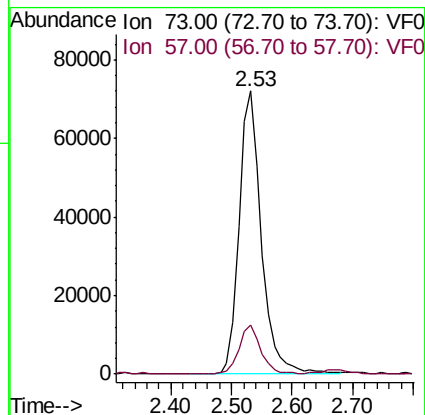
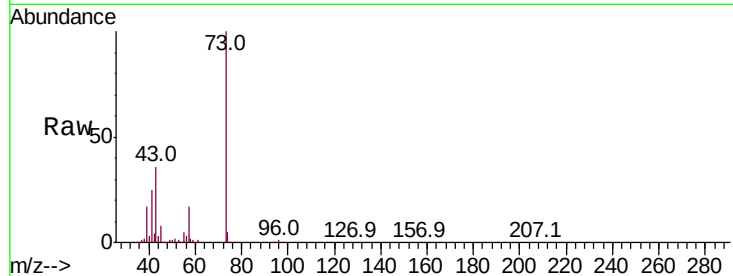


#19

Methyl tert-butyl Ether
 Concen: 50.441 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :

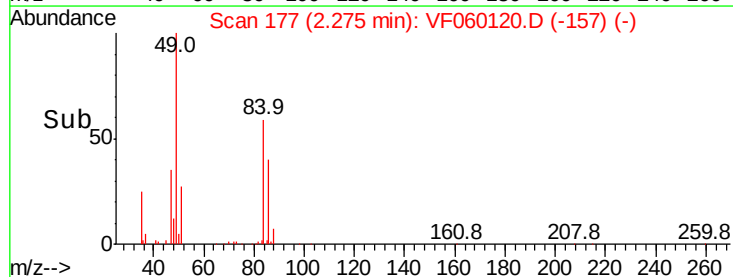
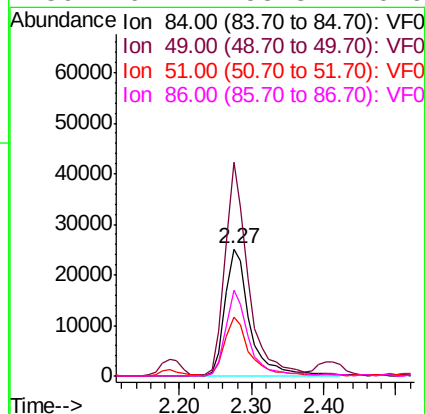
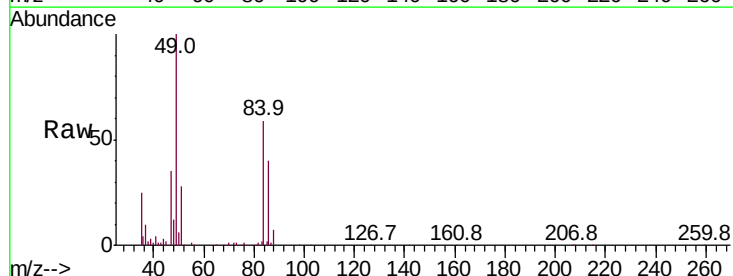
Tot Ion: 73 Resp: 184457
 Ion Ratio Lower Upper
 73 100
 57 17.3 13.7 20.5

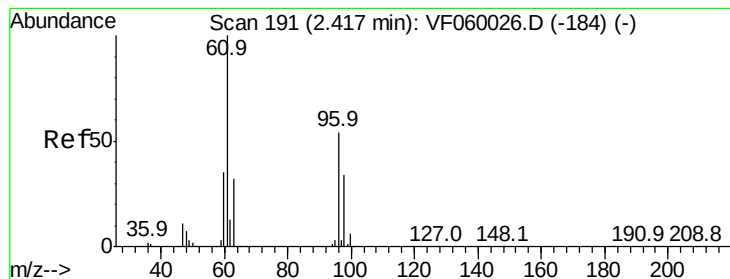


#20

Methylene Chloride
 Concen: 46.452 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion: 84 Resp: 59546
 Ion Ratio Lower Upper
 84 100
 49 168.5 125.4 188.0
 51 47.0 38.3 57.5
 86 67.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 42.287 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

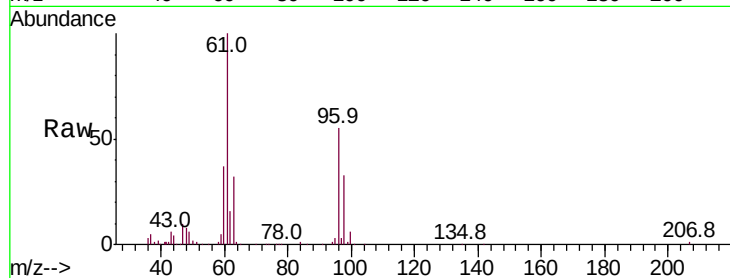
Tot Ion: 96 Resp: 54005

Ion	Ratio	Lower	Upper
96	100		
61	181.0	147.4	221.0
98	60.2	49.8	74.6

96 100

61 181.0 147.4 221.0

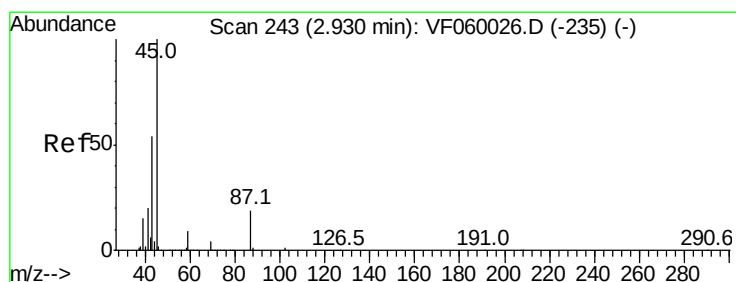
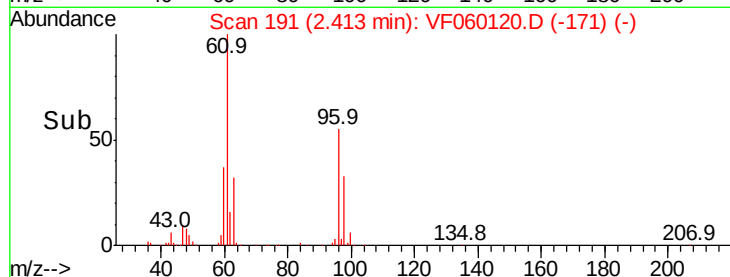
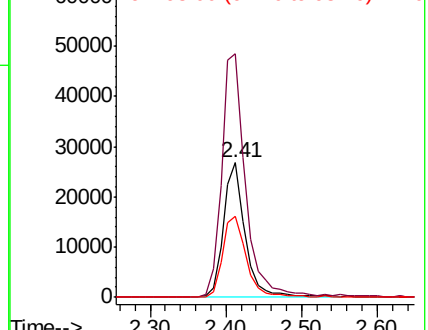
98 60.2 49.8 74.6



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: 42.600 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion: 45 Resp: 193370

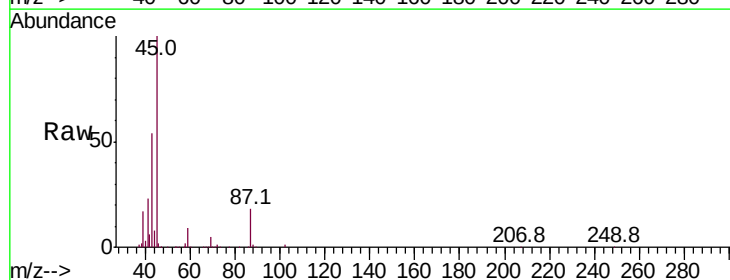
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.4	65.2
87	17.9	15.4	23.2
59	8.6	7.5	11.3

45 100

43 54.2 43.4 65.2

87 17.9 15.4 23.2

59 8.6 7.5 11.3

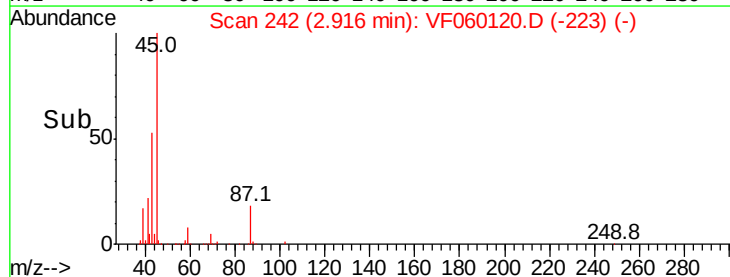
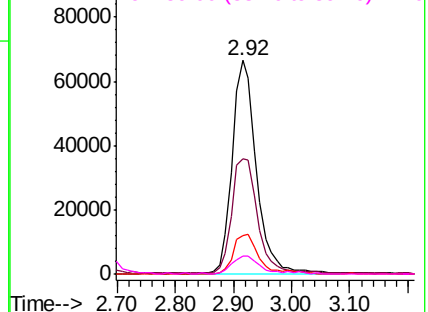


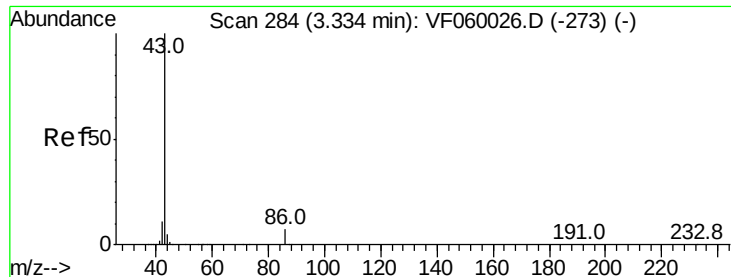
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 263.710 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

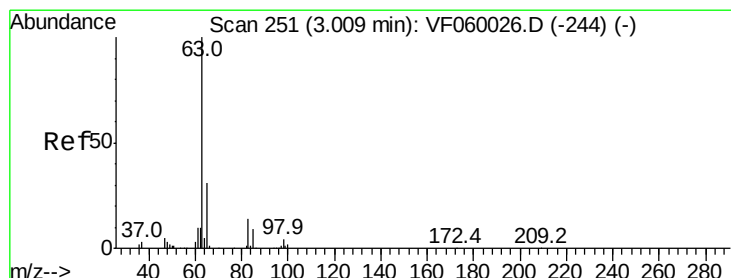
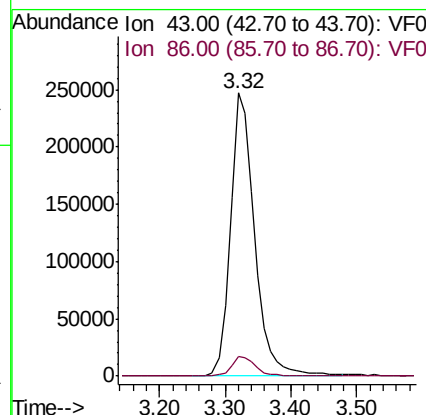
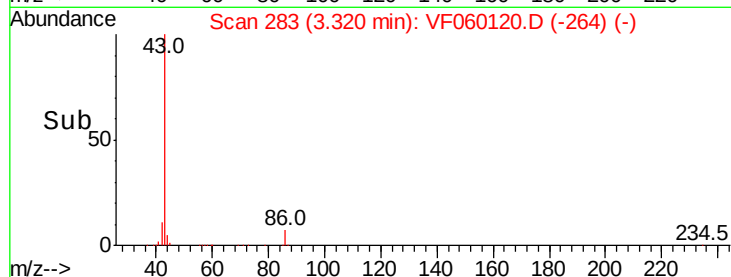
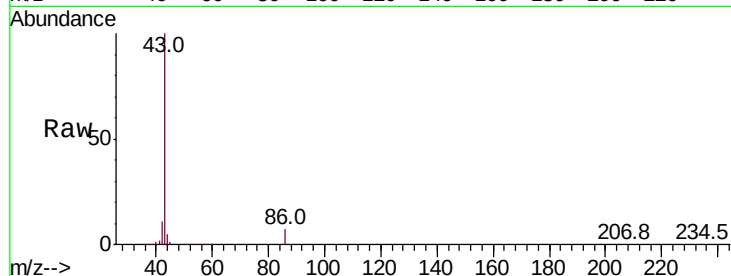
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 634145

Ion Ratio Lower Upper

43 100

86 7.0 5.6 8.4



#24

1,1-Dichloroethane

Concen: 51.871 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

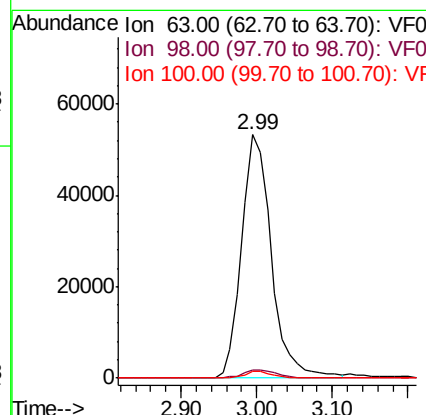
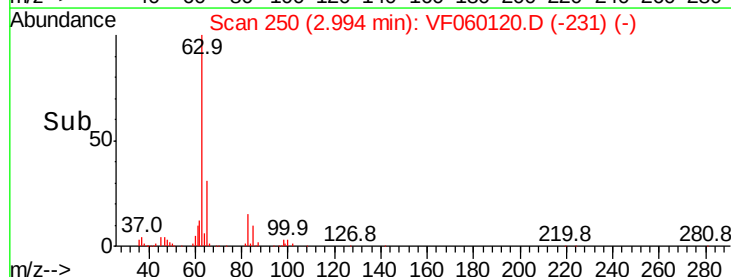
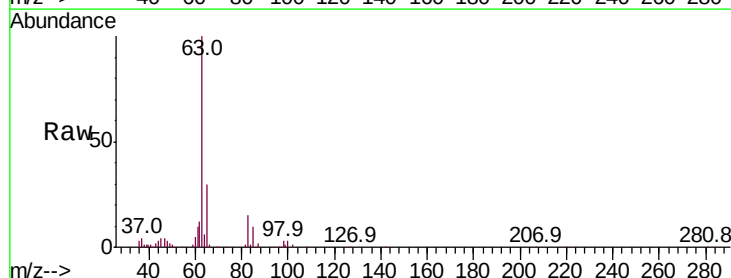
Tgt Ion: 63 Resp: 145453

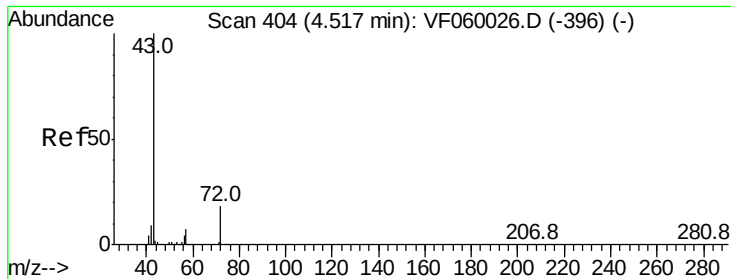
Ion Ratio Lower Upper

63 100

98 3.3 2.1 6.5

100 2.7 1.1 3.3





#25

2-Butanone

Concen: 250.942 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

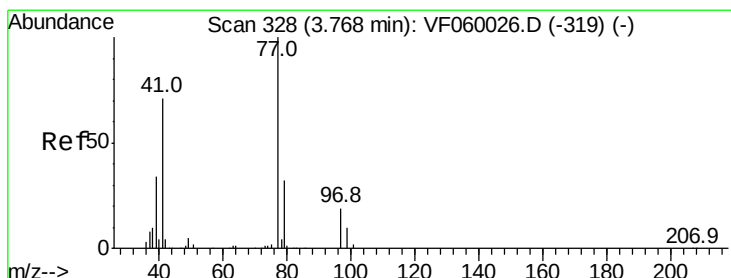
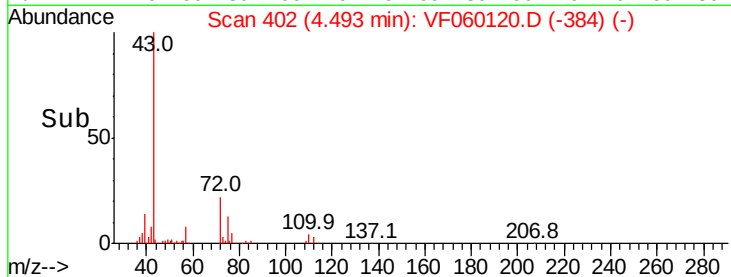
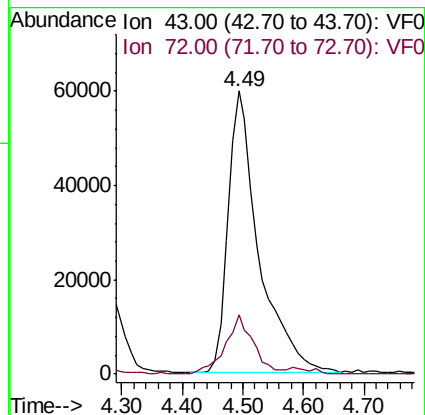
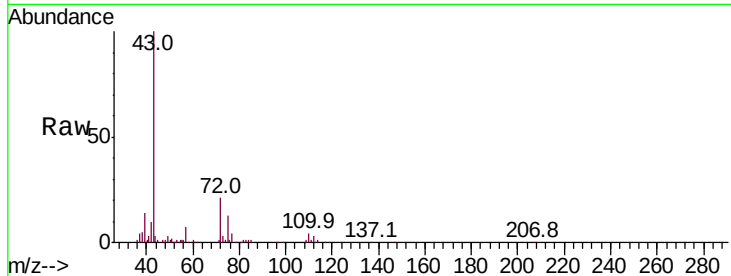
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 210520

Ion Ratio Lower Upper

43 100

72 21.0 15.0 22.6



#26

2,2-Dichloropropane

Concen: 60.273 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060120.D

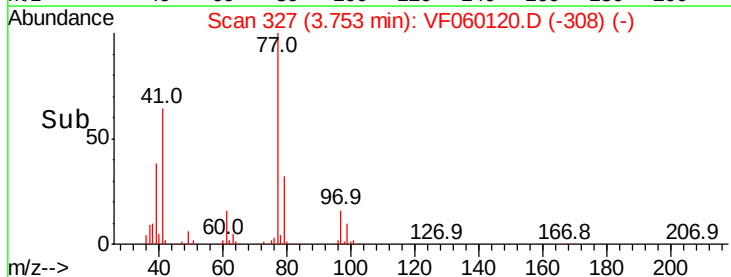
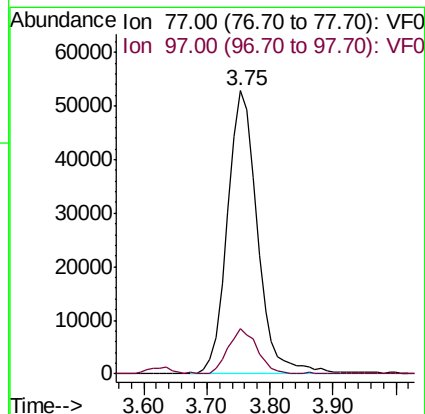
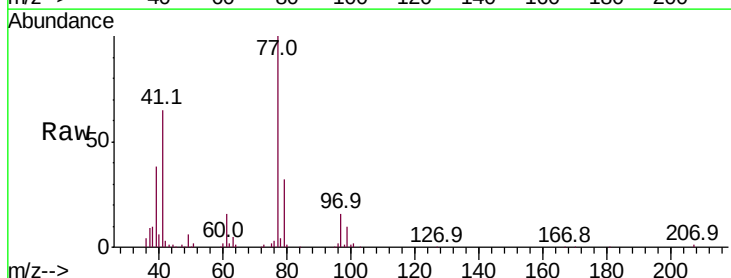
Acq: 27 Aug 2018 11:56

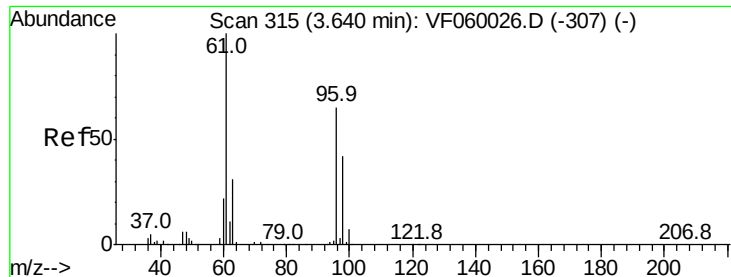
Tgt Ion: 77 Resp: 174860

Ion Ratio Lower Upper

77 100

97 16.2 9.7 29.1



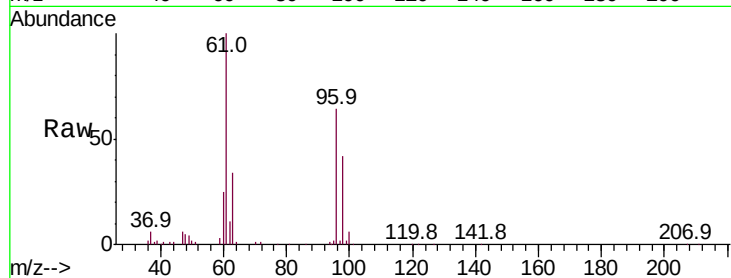


#27

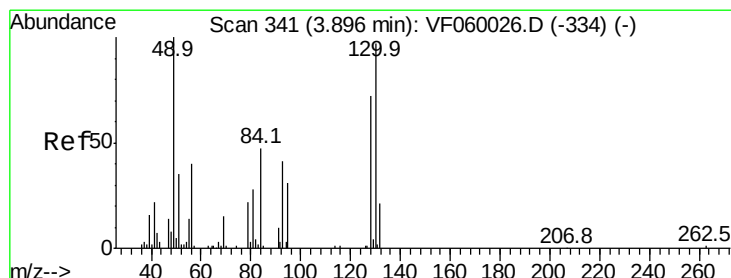
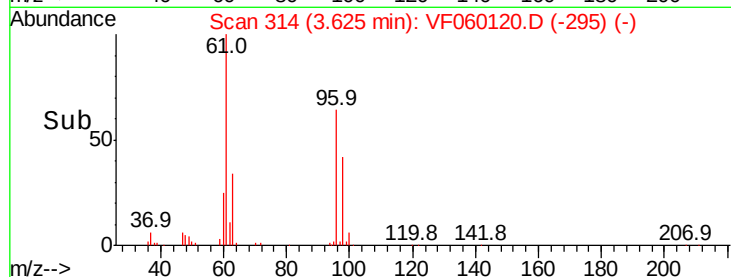
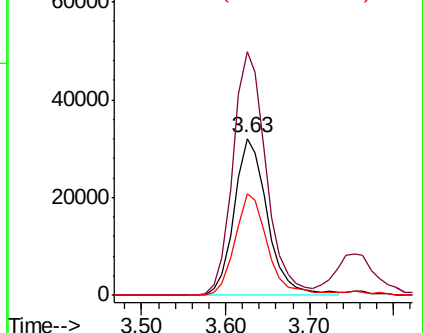
cis-1,2-Dichloroethene
Concen: 48.849 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 88405
Ion Ratio Lower Upper
96 100
61 155.4 0.0 307.6
98 64.8 0.0 128.4



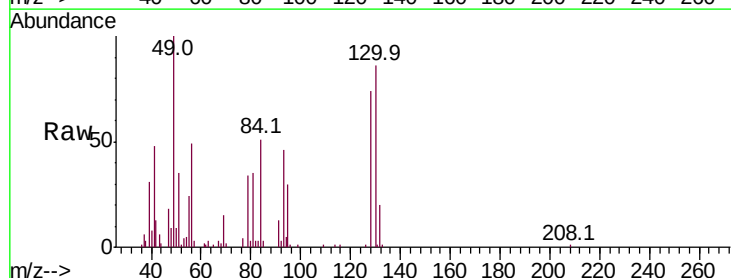
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



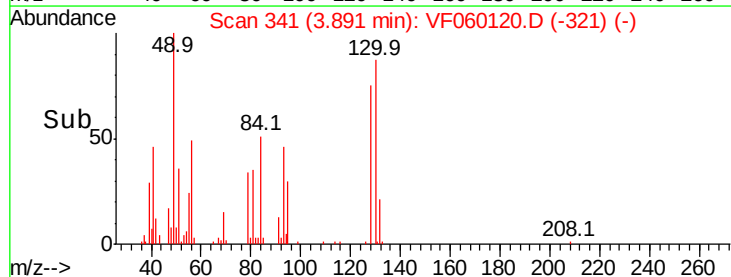
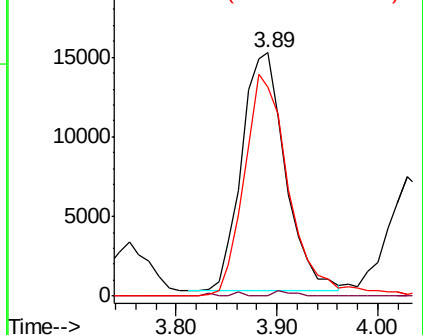
#28

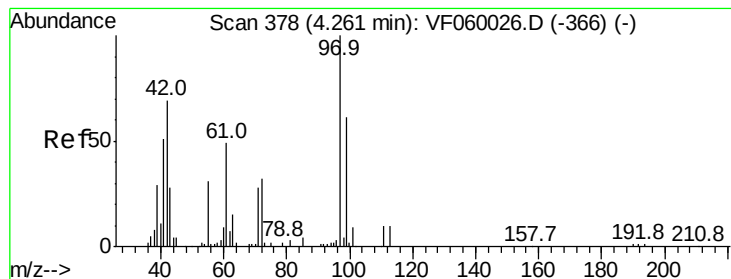
Bromochloromethane
Concen: 38.060 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 49 Resp: 45059
Ion Ratio Lower Upper
49 100
129 0.0 0.0 7.4
130 85.9 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: 233.072 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.02 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

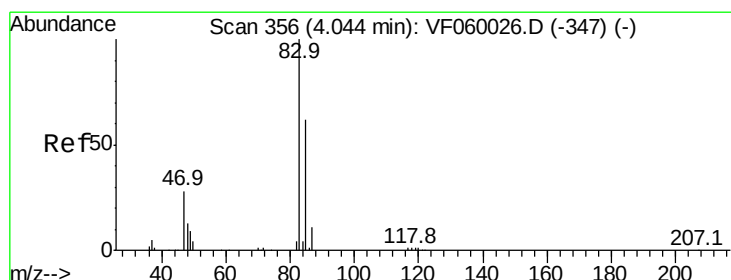
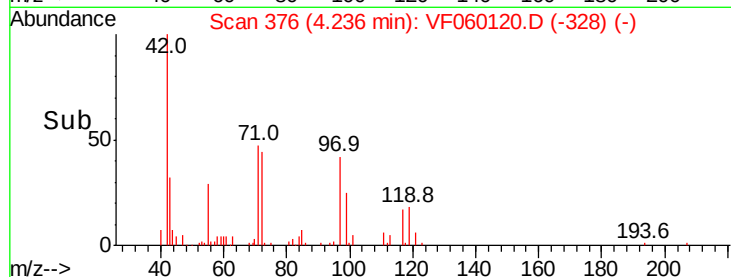
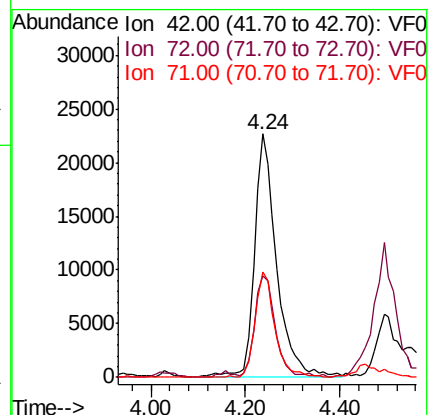
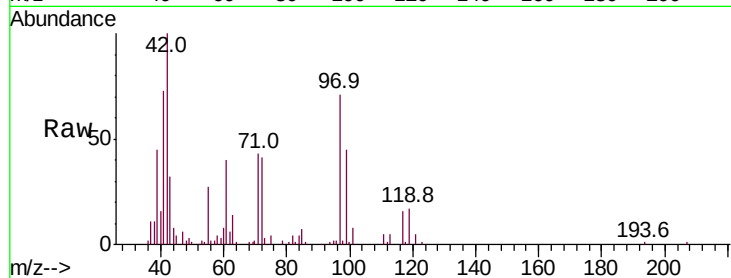
Tot Ion: 42 Resp: 73823

Ion Ratio Lower Upper

42 100

72 39.1 31.4 47.2

71 38.6 29.7 44.5



#30

Chloroform

Concen: 53.314 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF060120.D

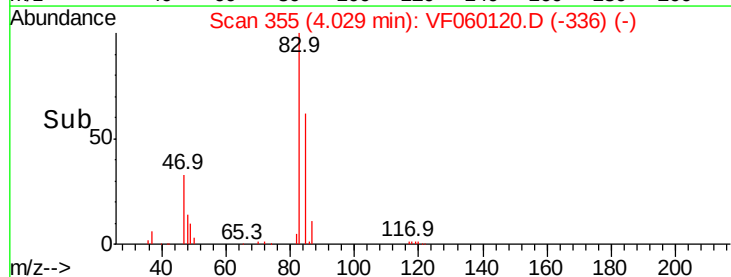
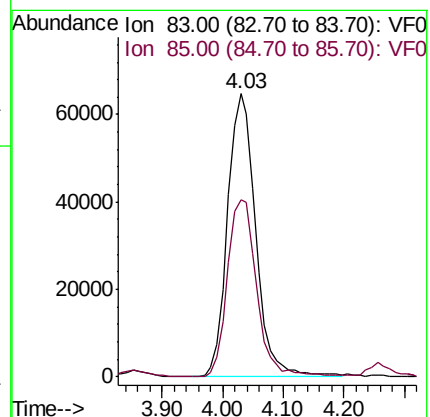
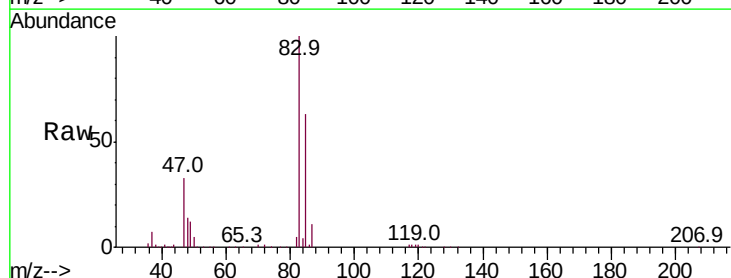
Acq: 27 Aug 2018 11:56

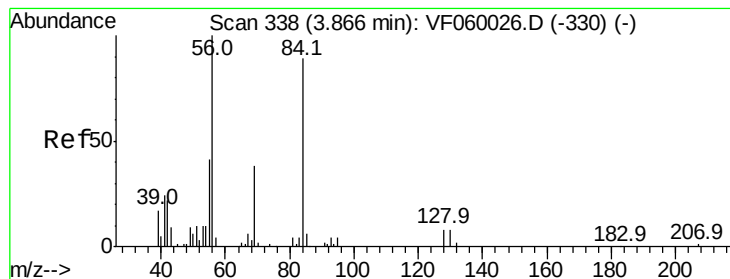
Tgt Ion: 83 Resp: 209850

Ion Ratio Lower Upper

83 100

85 62.8 49.5 74.3





#31

Cyclohexane

Concen: 43.750 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

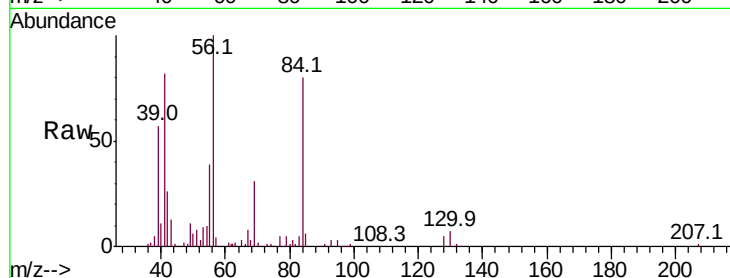
Tot Ion: 56 Resp: 93480

Ion Ratio Lower Upper

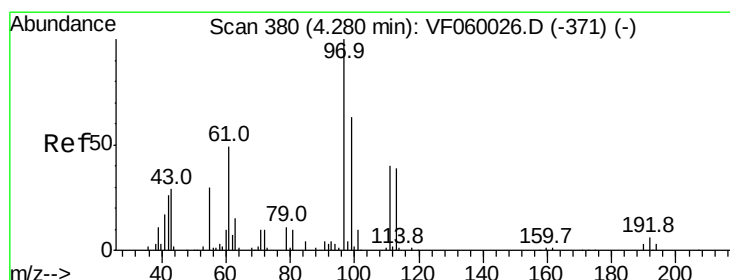
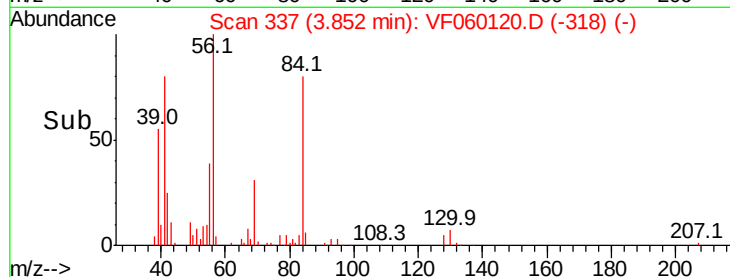
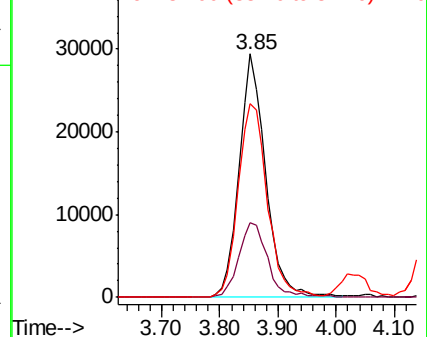
56 100

69 30.8 30.4 45.6

84 79.7 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: 56.909 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

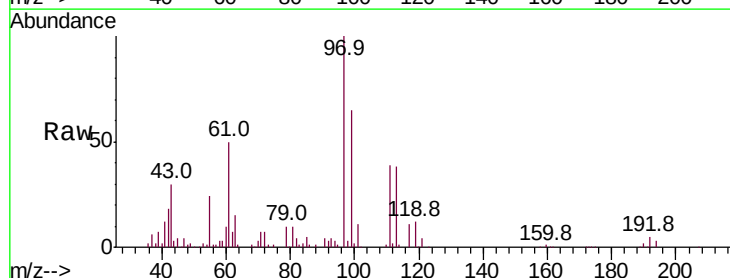
Tgt Ion: 97 Resp: 191820

Ion Ratio Lower Upper

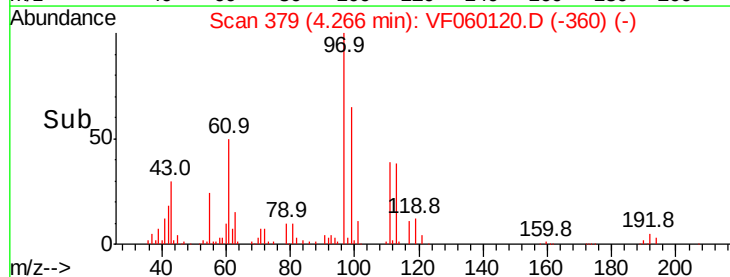
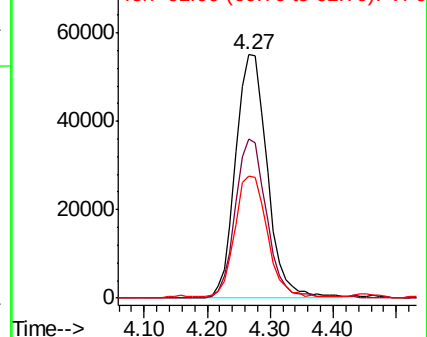
97 100

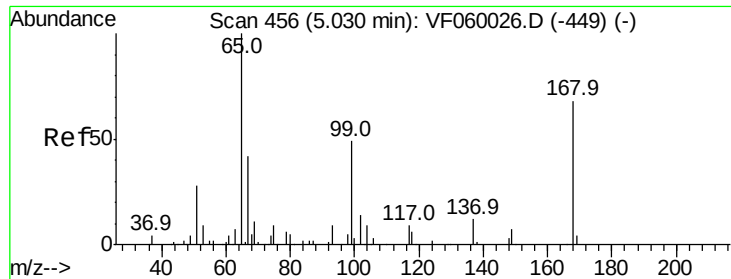
99 65.2 50.3 75.5

61 50.4 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

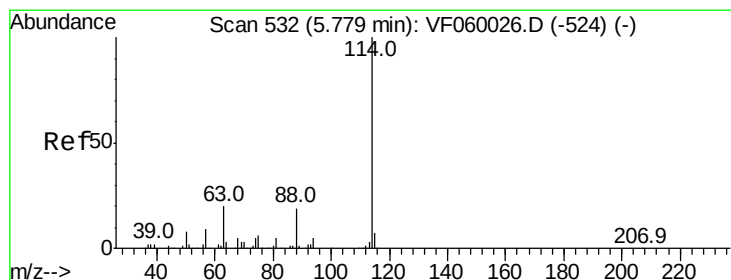
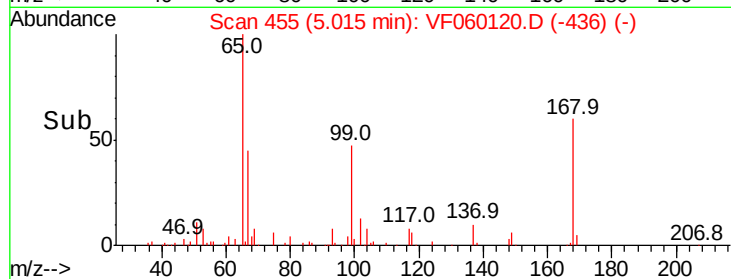
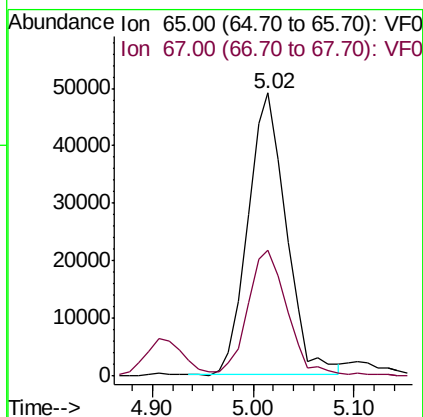
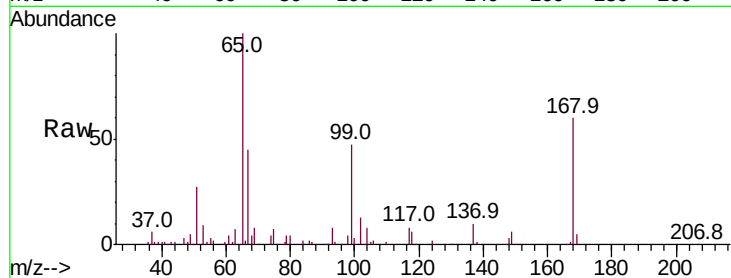




#33
 1,2-Dichloroethane-d4
 Concen: 52.740 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

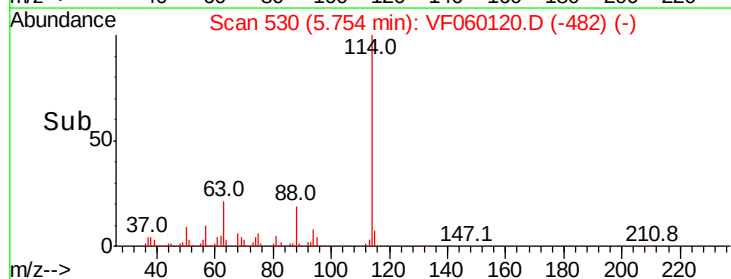
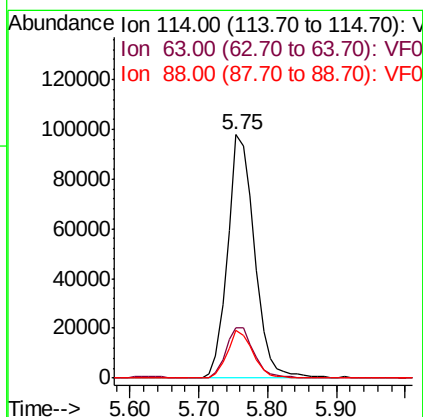
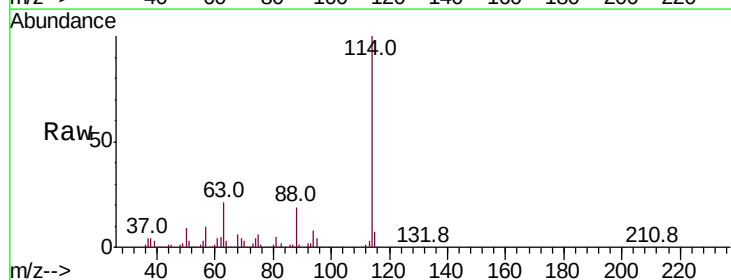
Instrument :
 MSVOA_F
 ClientSampled :

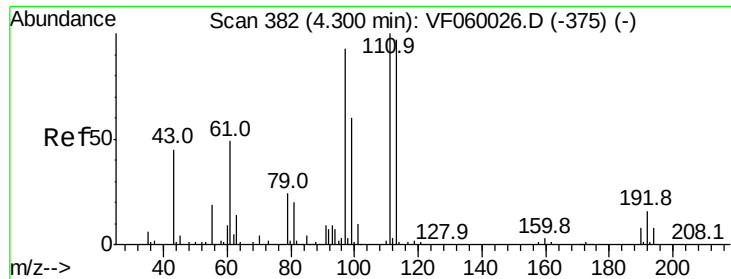
Tot Ion: 65 Resp: 129604
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion: 114 Resp: 264899
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.4
 88 19.5 0.0 38.6





#35

Dibromofluoromethane

Concen: 54.851 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

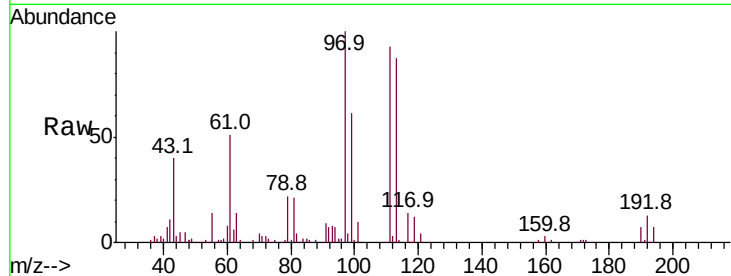
Tot Ion:113 Resp: 114096

Ion Ratio Lower Upper

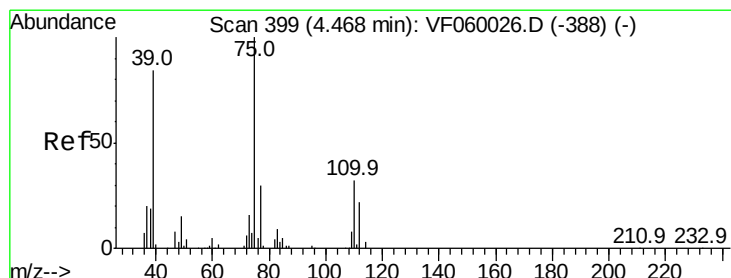
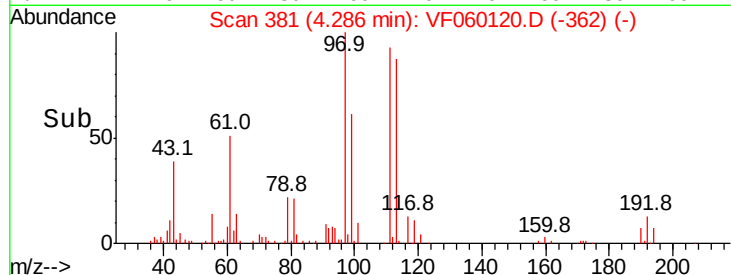
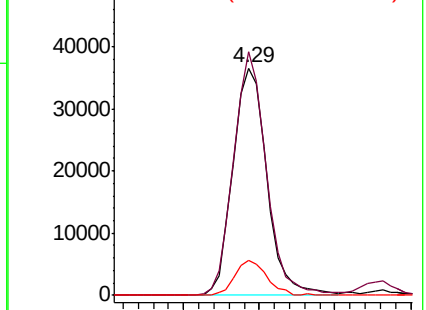
113 100

111 107.0 82.7 124.1

192 15.4 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: 49.959 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

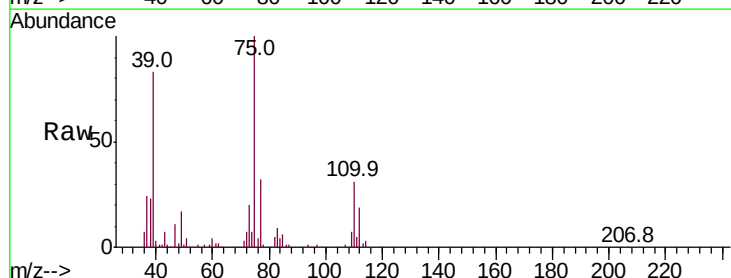
Tgt Ion: 75 Resp: 124368

Ion Ratio Lower Upper

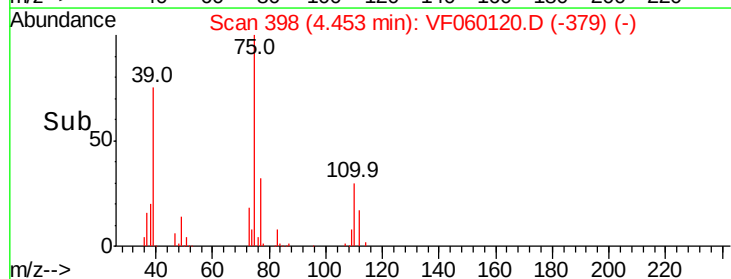
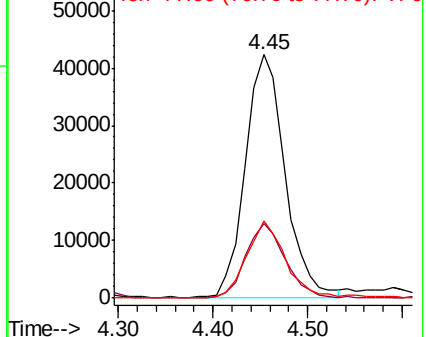
75 100

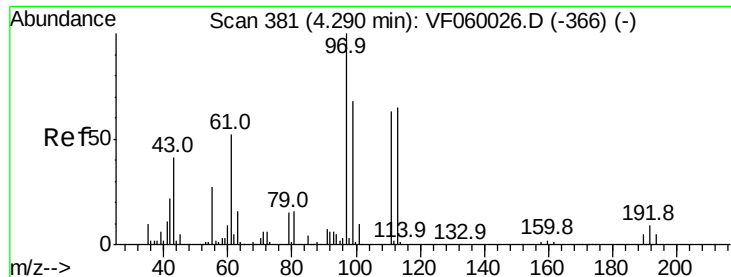
110 30.8 16.0 47.9

77 31.8 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

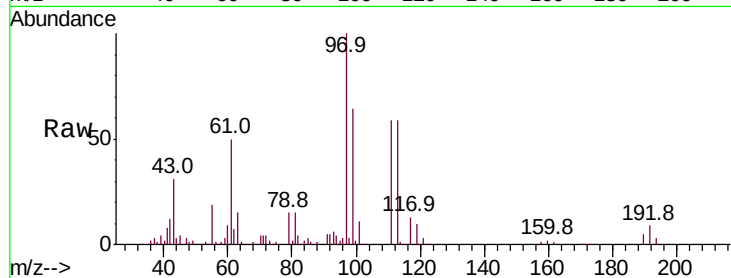




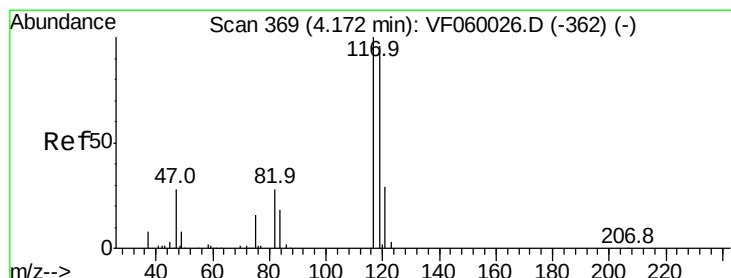
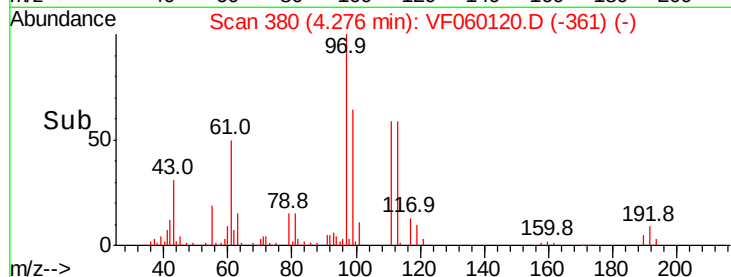
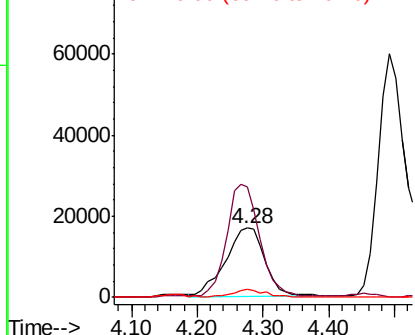
#37
Ethyl Acetate
Concen: 47.724 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 71051
Ion Ratio Lower Upper
43 100
61 159.7 101.5 152.3#
70 11.3 6.4 9.6#

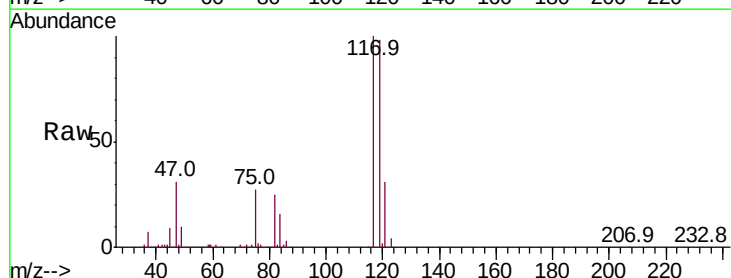


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

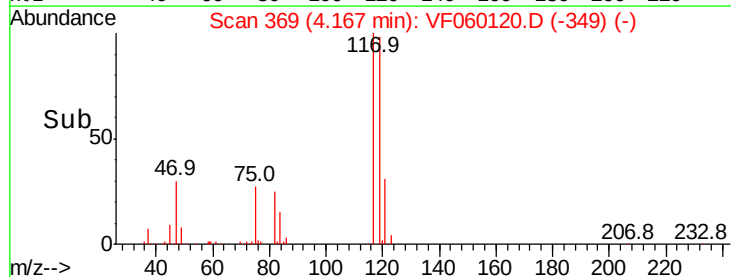
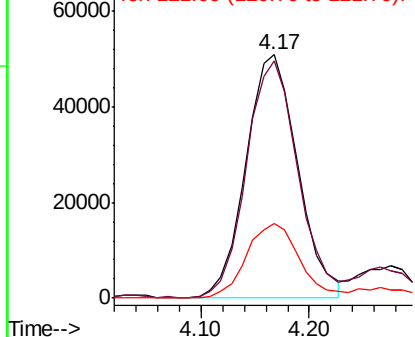


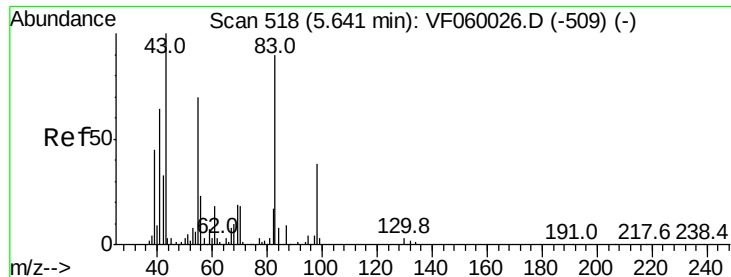
#38
Carbon Tetrachloride
Concen: 59.012 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 117 Resp: 170107
Ion Ratio Lower Upper
117 100
119 97.6 76.5 114.7
121 30.7 23.0 34.6



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

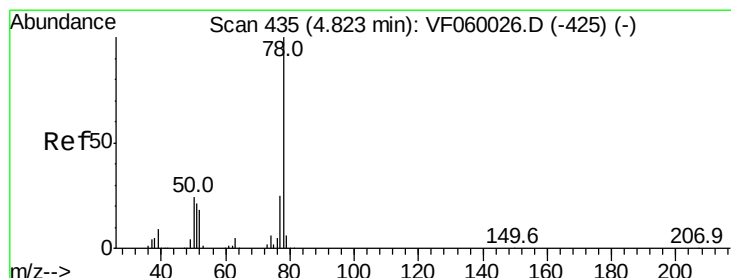
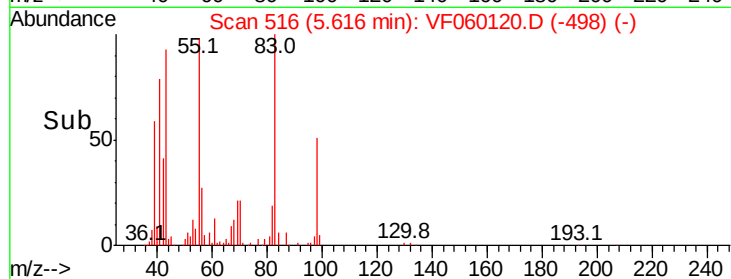
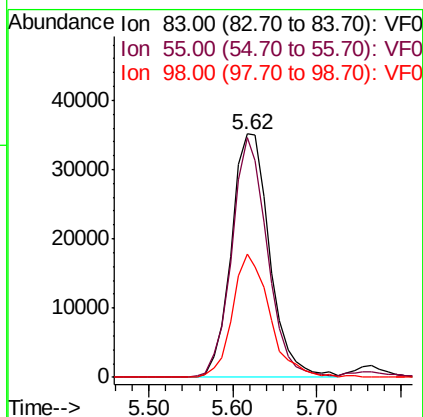
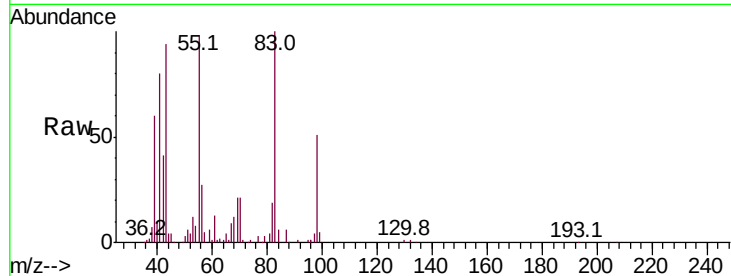




#39
Methylvlcyclohexane
Concen: 47.712 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

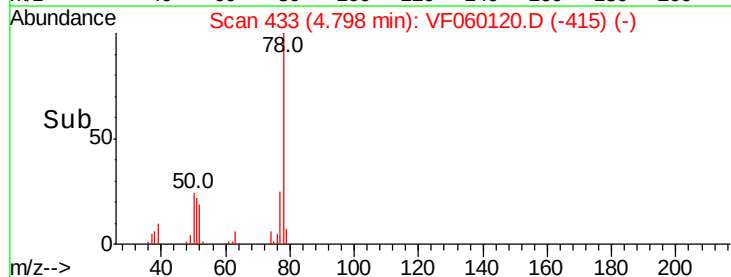
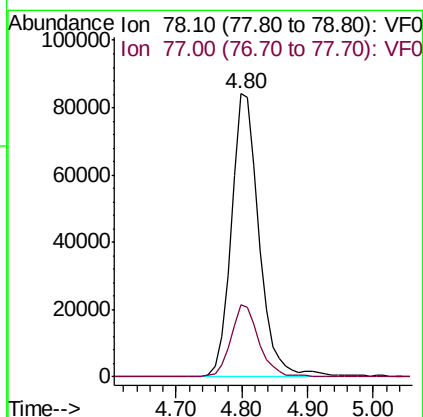
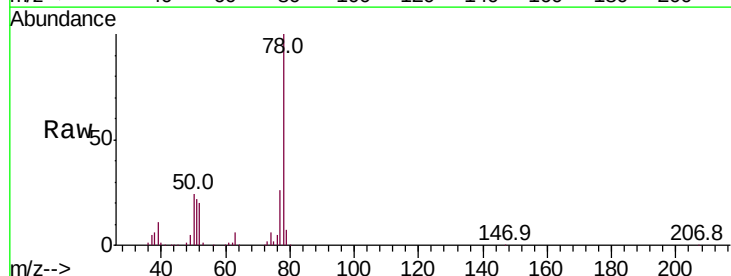
Instrument :
MSVOA_F
ClientSampleId :

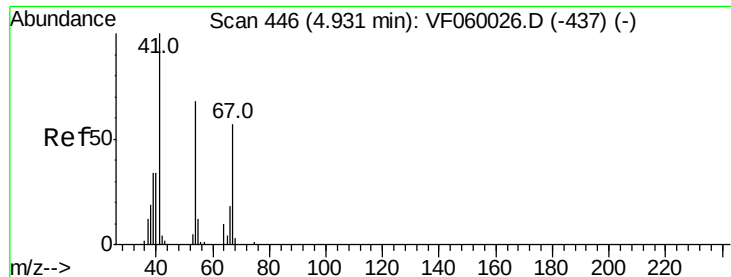
Tot Ion: 83 Resp: 111365
Ion Ratio Lower Upper
83 100
55 98.4 62.7 94.1#
98 50.7 33.8 50.8



#40
Benzene
Concen: 45.776 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 78 Resp: 248926
Ion Ratio Lower Upper
78 100
77 25.6 19.8 29.6

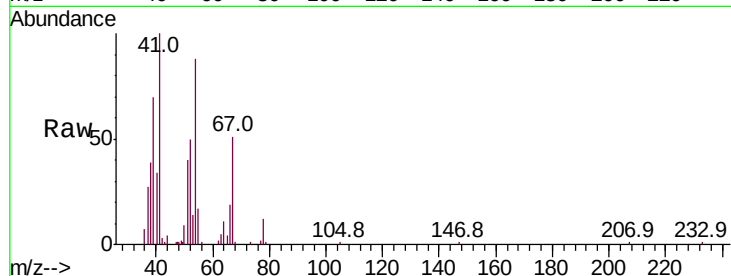




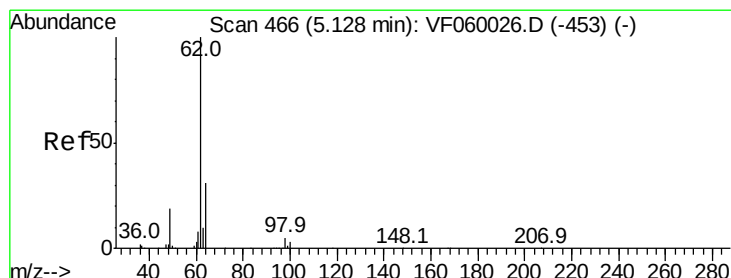
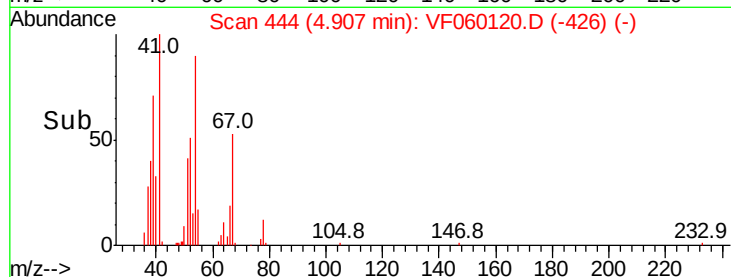
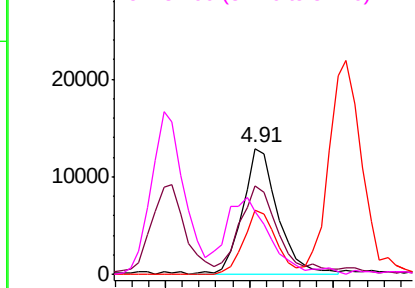
#41
Methacrylonitrile
Concen: 50.319 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	37892
Ion	Ratio	Lower	Upper
41	100		
39	69.9	52.9	79.3
67	51.2	45.3	67.9
52	49.8	34.8	52.2

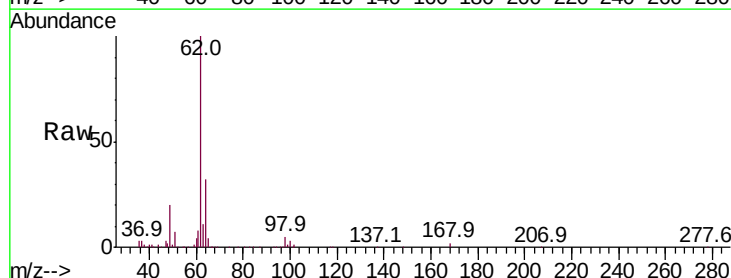


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

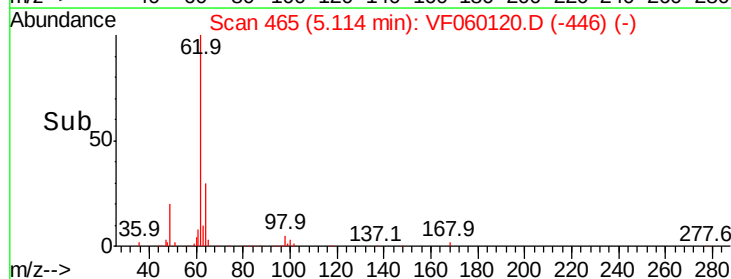
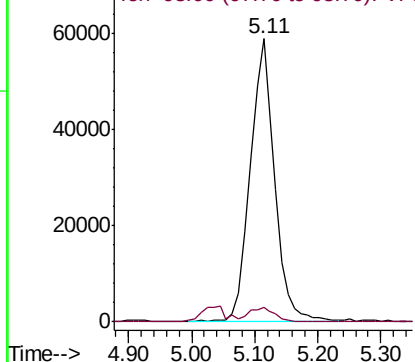


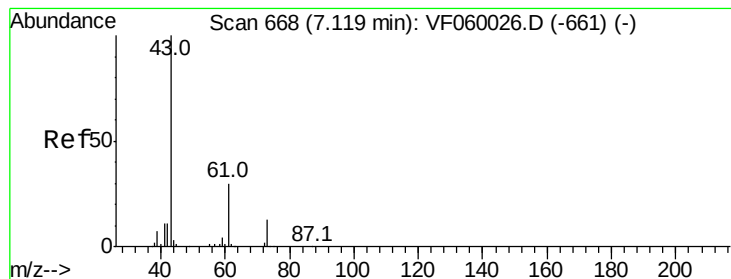
#42
1,2-Dichloroethane
Concen: 54.788 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion:	62	Resp:	159754
Ion	Ratio	Lower	Upper
62	100		
98	5.3	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: 49.586 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampled :

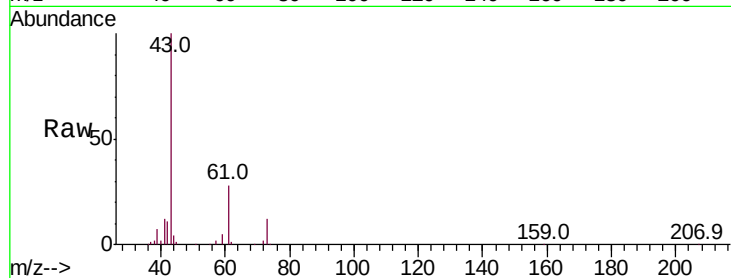
Tot Ion: 43 Resp: 92914

Ion Ratio Lower Upper

43 100

61 27.6 23.8 35.6

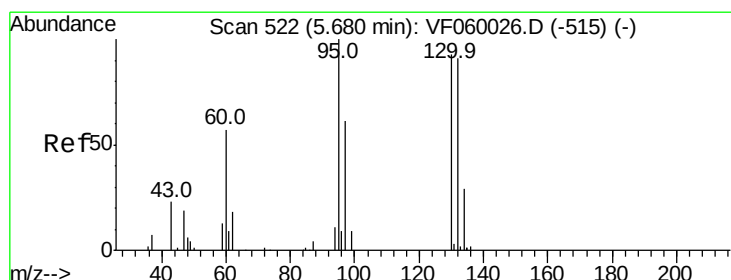
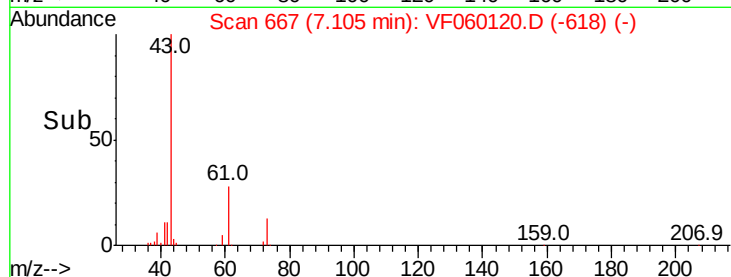
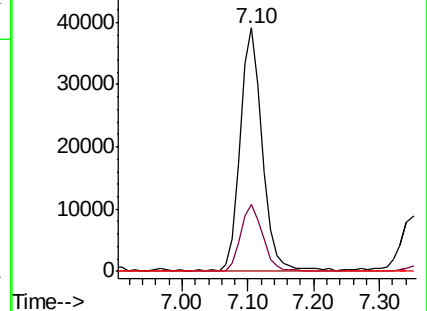
87 0.0 0.2 0.4#



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: 50.975 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF060120.D

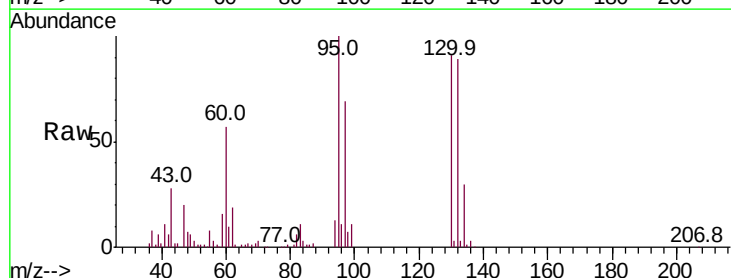
Acq: 27 Aug 2018 11:56

Tgt Ion:130 Resp: 91637

Ion Ratio Lower Upper

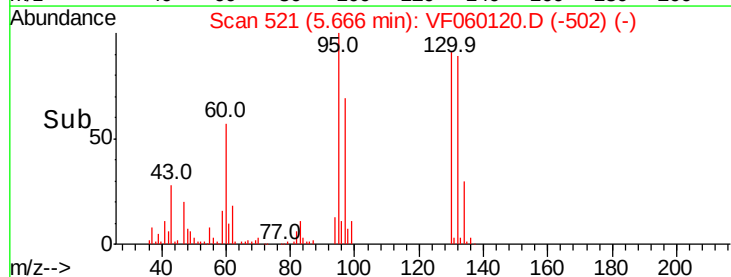
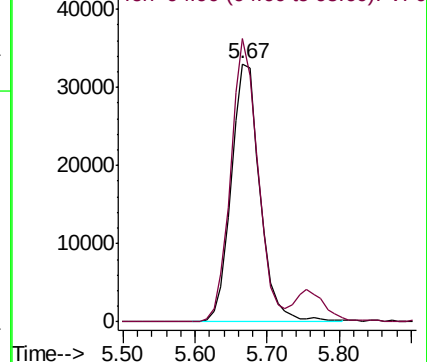
130 100

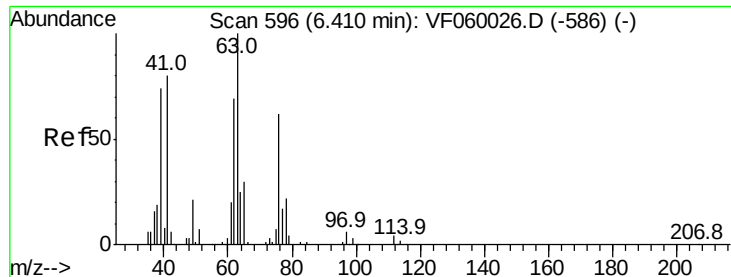
95 109.7 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 49.797 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

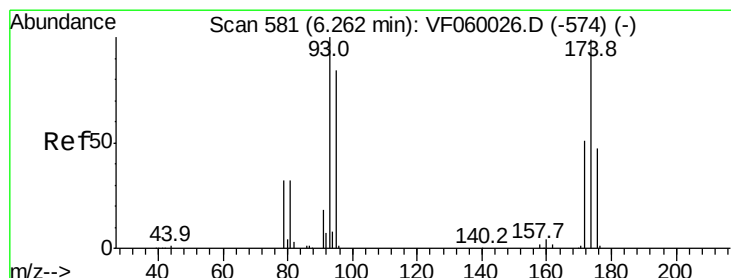
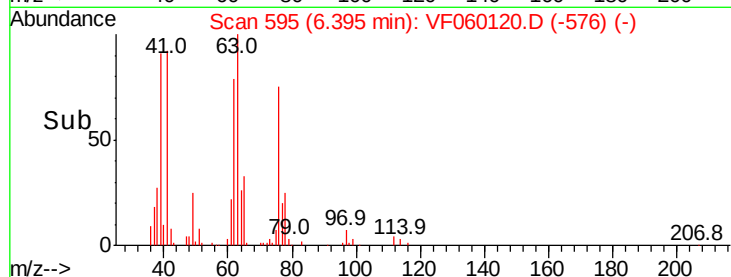
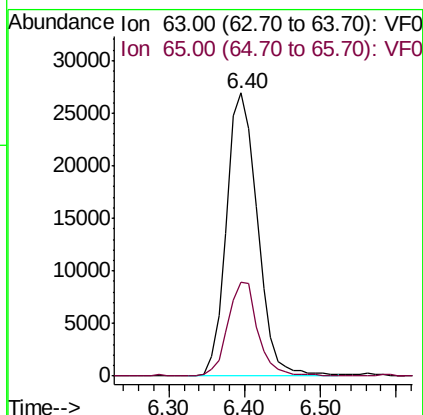
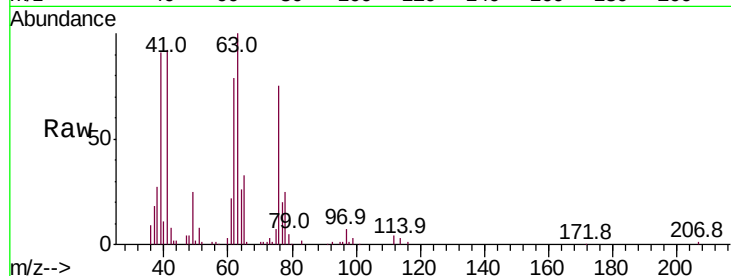
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 76598

Ion Ratio Lower Upper

63 100

65 33.4 23.8 35.6



#46

Dibromomethane

Concen: 53.658 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

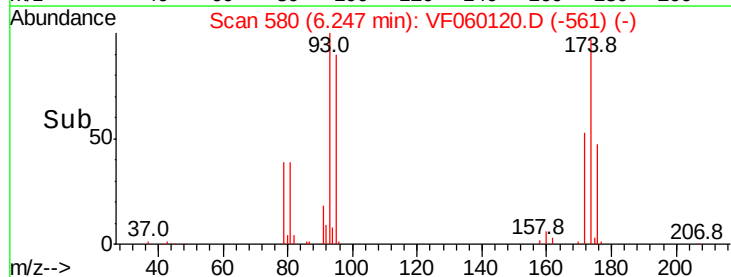
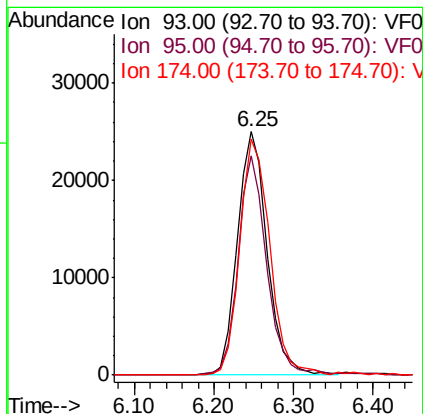
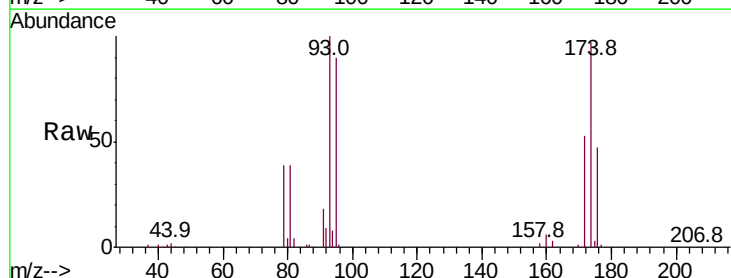
Tgt Ion: 93 Resp: 64585

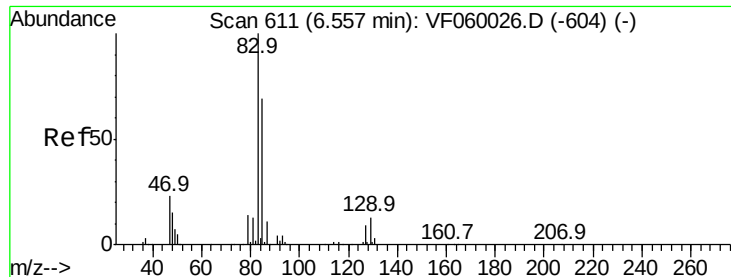
Ion Ratio Lower Upper

93 100

95 90.2 67.1 100.7

174 96.8 79.0 118.4





#47

Bromodichloromethane

Concen: 56.160 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

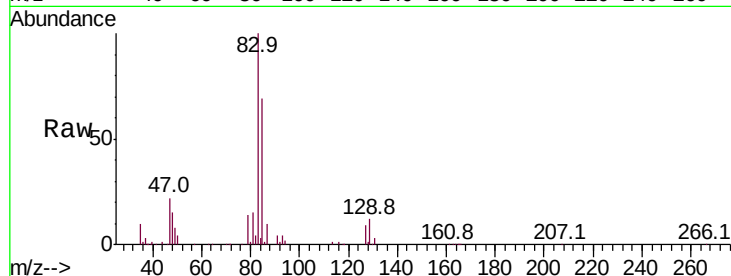
Tot Ion: 83 Resp: 163270

Ion Ratio Lower Upper

83 100

85 68.8 55.2 82.8

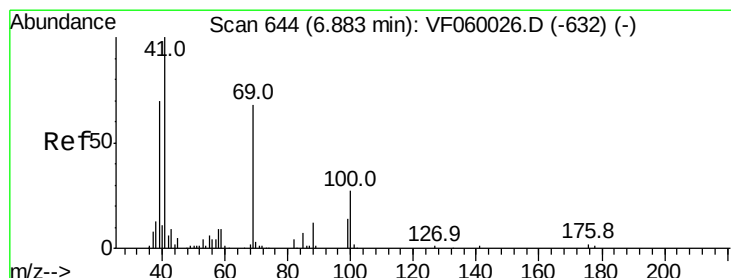
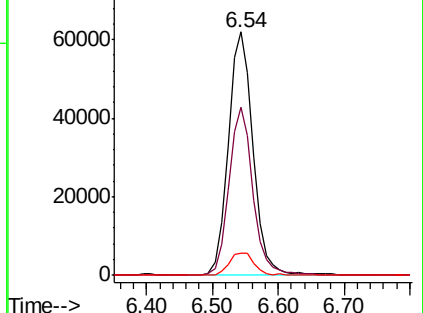
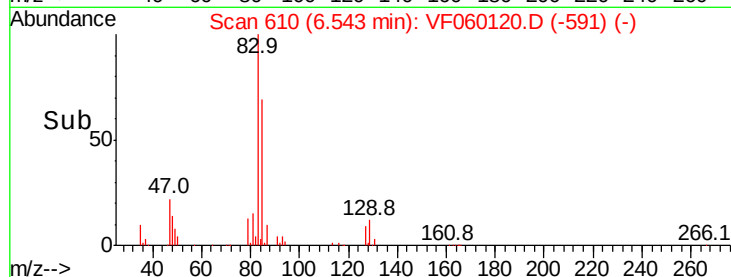
127 9.1 7.3 10.9



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: 47.015 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

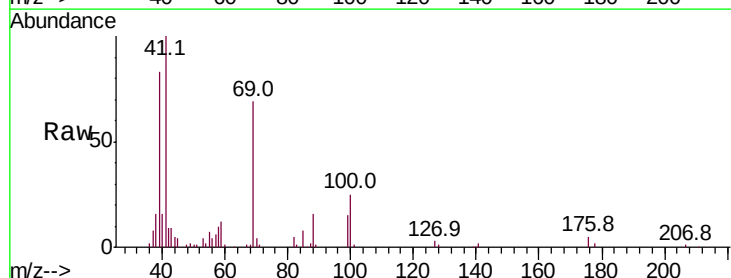
Tgt Ion: 41 Resp: 58296

Ion Ratio Lower Upper

41 100

69 69.1 54.6 81.8

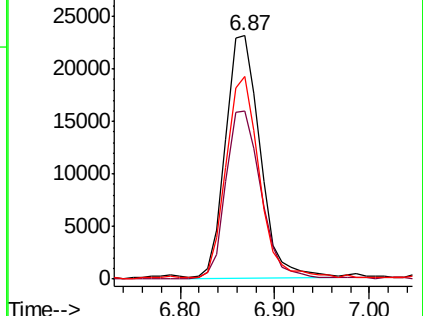
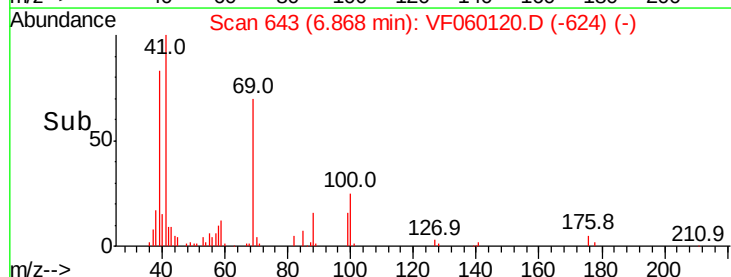
39 83.2 56.5 84.7

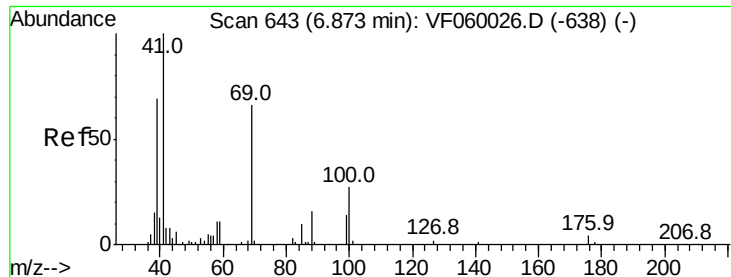


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1164.655 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

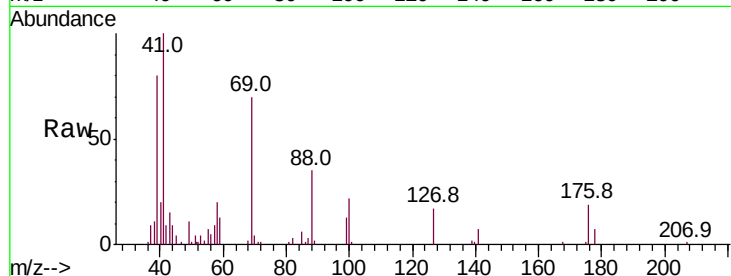
Tot Ion: 88 Resp: 13863

Ion Ratio Lower Upper

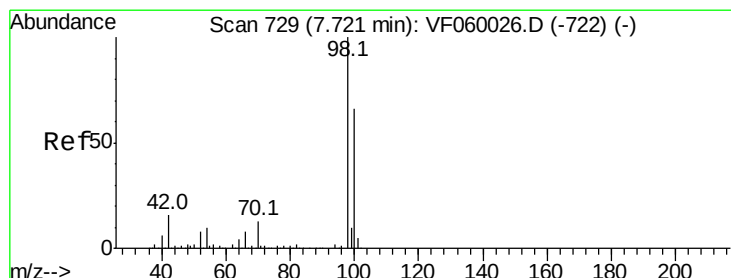
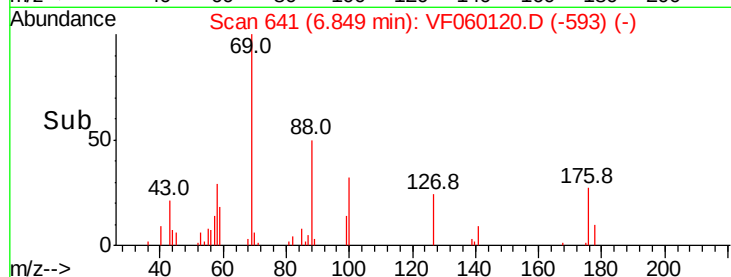
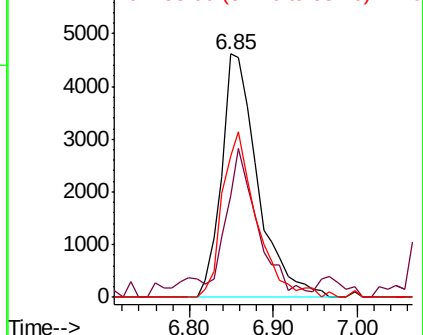
88 100

43 41.8 46.5 69.7#

58 58.2 54.8 82.2



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



#50

Toluene-d8

Concen: 47.927 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060120.D

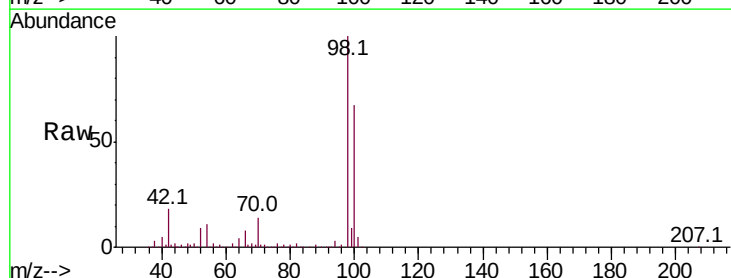
Acq: 27 Aug 2018 11:56

Tgt Ion: 98 Resp: 283132

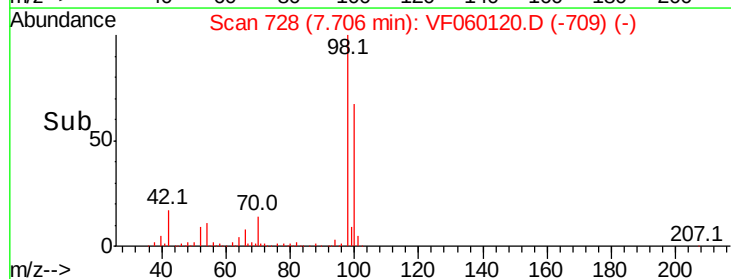
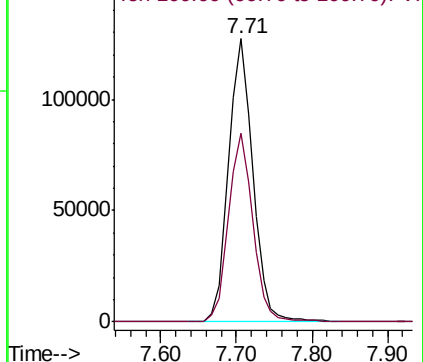
Ion Ratio Lower Upper

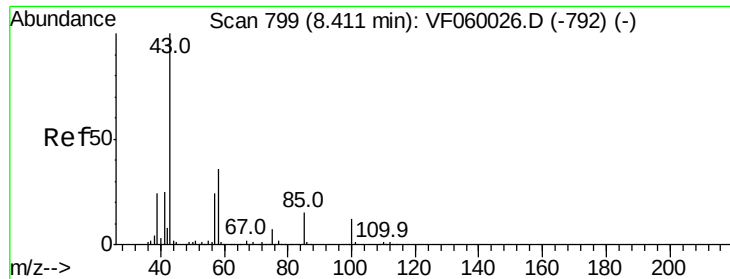
98 100

100 66.7 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 250.972 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

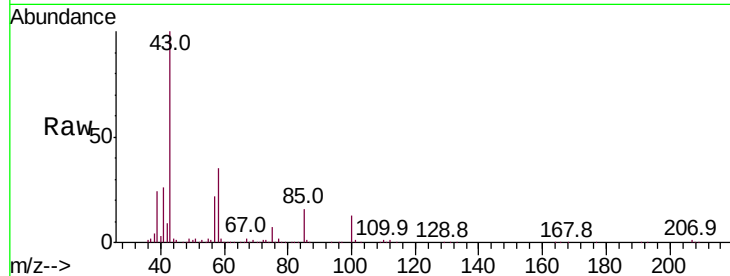
ClientSampleId :

Tot Ion: 43 Resp: 406106

Ion Ratio Lower Upper

43 100

58 34.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

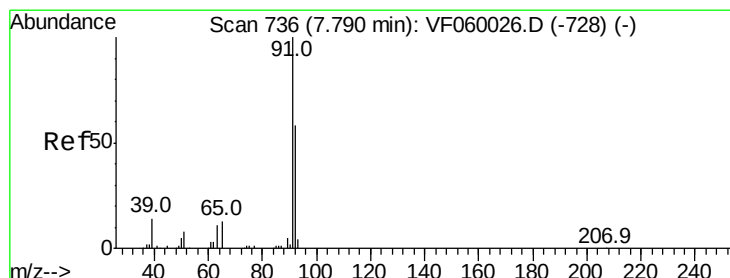
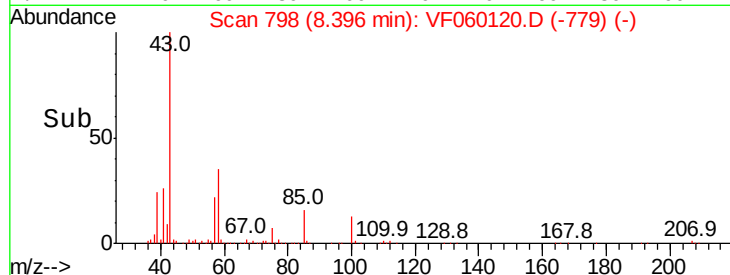
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 57.646 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060120.D

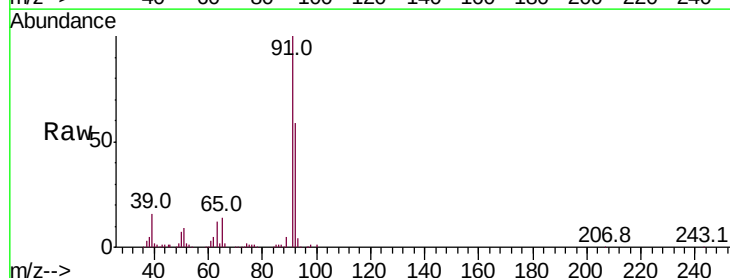
Acq: 27 Aug 2018 11:56

Tgt Ion: 92 Resp: 199027

Ion Ratio Lower Upper

92 100

91 169.3 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

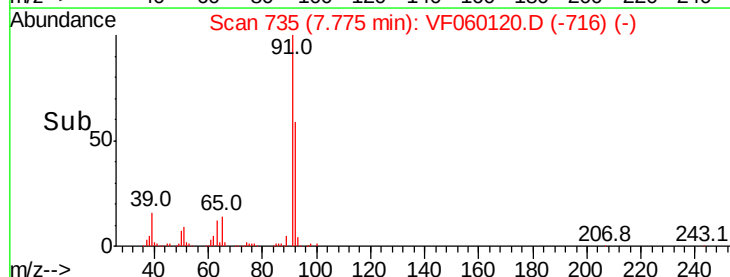
150000

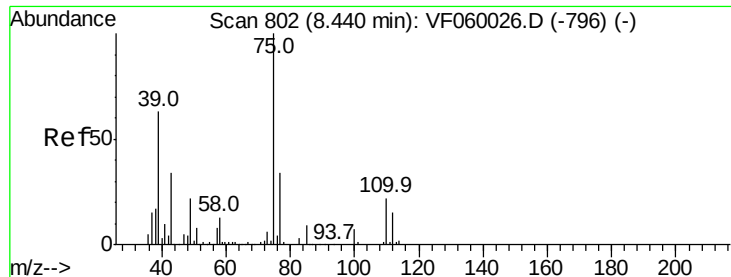
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.385 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

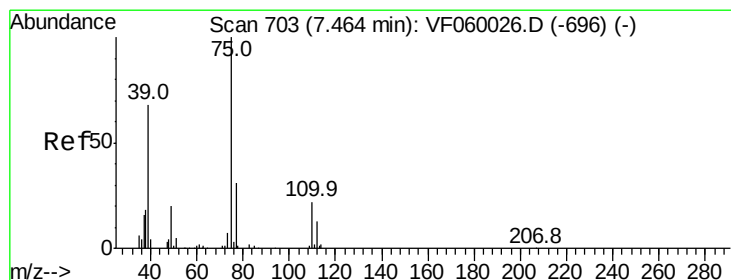
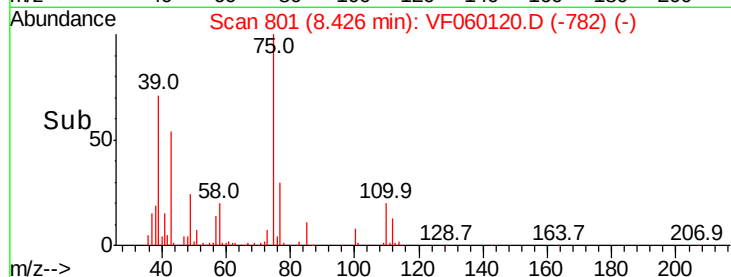
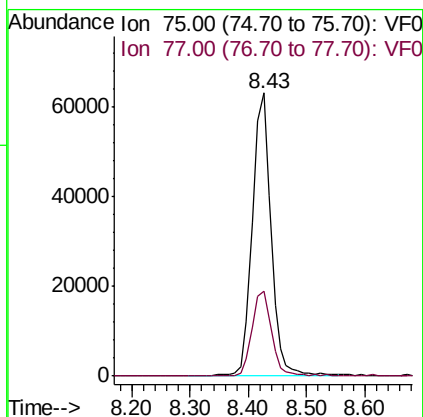
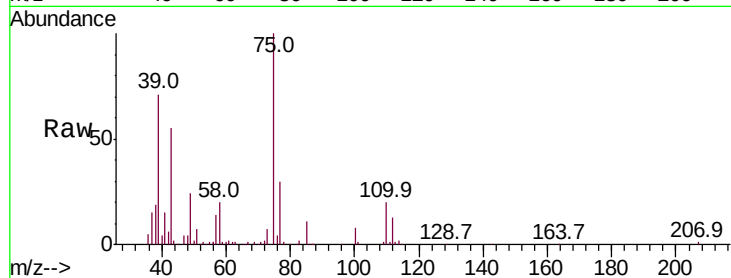
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 143380

Ion Ratio Lower Upper

75 100

77 30.0 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 53.352 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

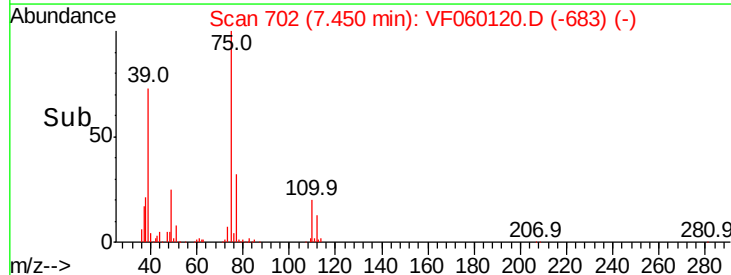
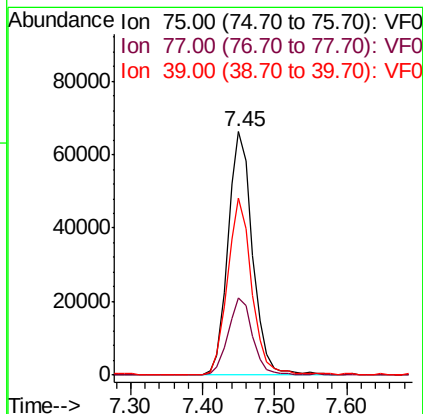
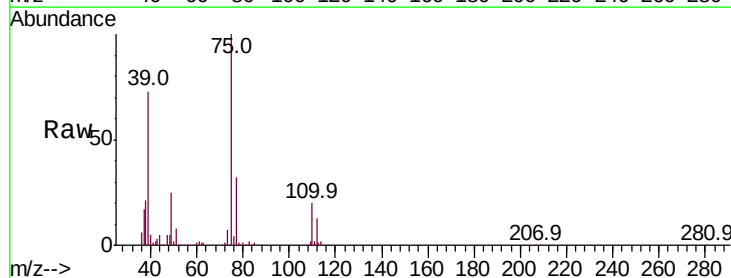
Tgt Ion: 75 Resp: 156982

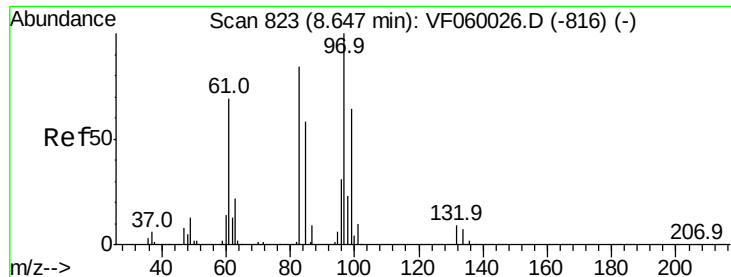
Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

39 73.0 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 52.571 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 77139

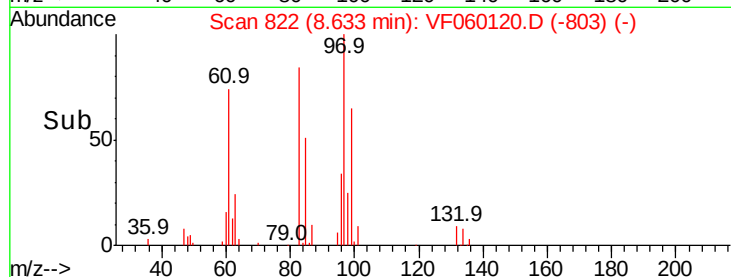
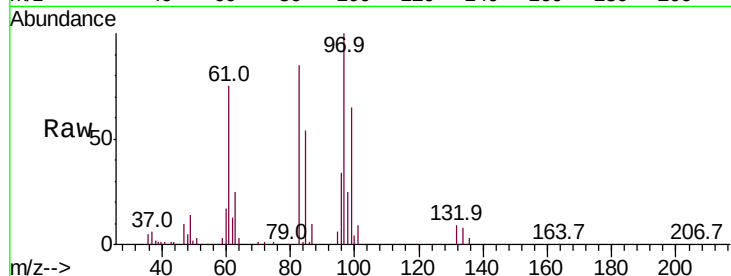
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.2
85	53.8	46.2	69.2
99	65.1	51.1	76.7

97 100

83 85.4 67.4 101.2

85 53.8 46.2 69.2

99 65.1 51.1 76.7



Abundance Ion 97.00 (96.70 to 97.70): VF0

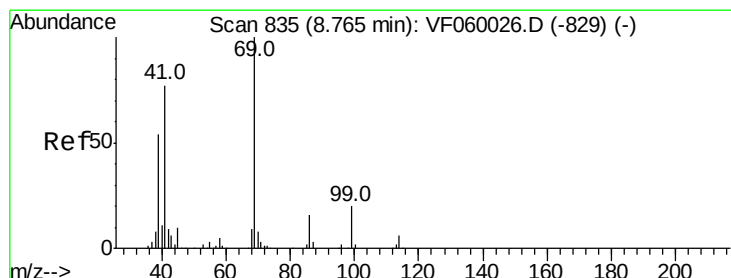
Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

8.63

Time-->



#56

Ethyl methacrylate

Concen: 53.102 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

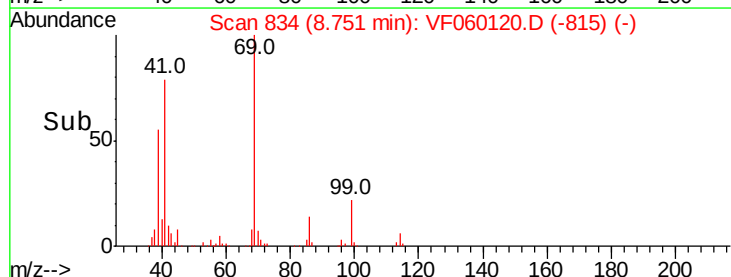
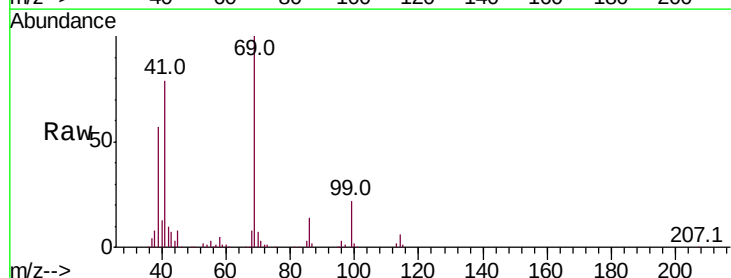
Tgt Ion: 69 Resp: 94311

Ion	Ratio	Lower	Upper
69	100		
41	79.4	61.6	92.4
39	56.5	43.9	65.9

69 100

41 79.4 61.6 92.4

39 56.5 43.9 65.9



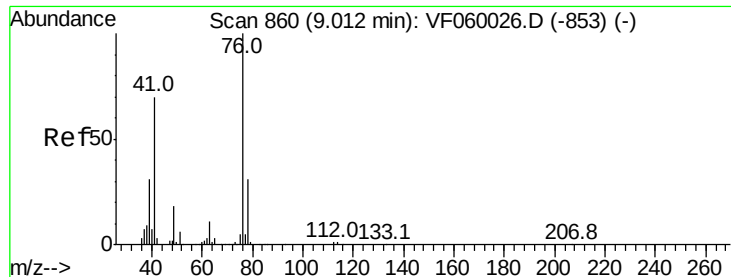
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

8.75

Time-->



#57

1,3-Dichloropropane

Concen: 51.670 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

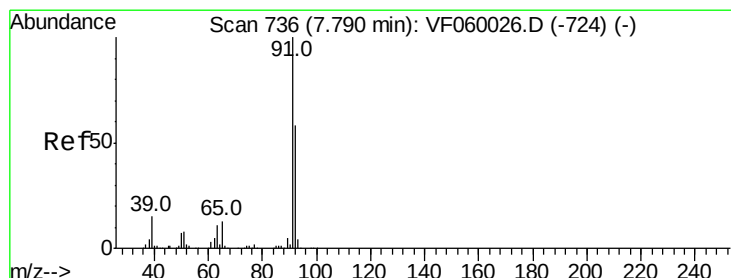
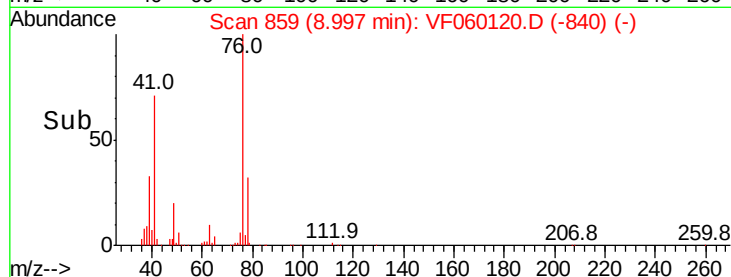
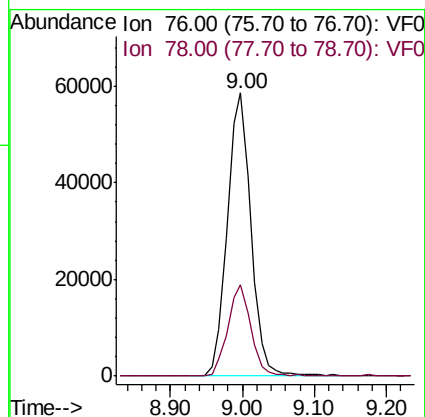
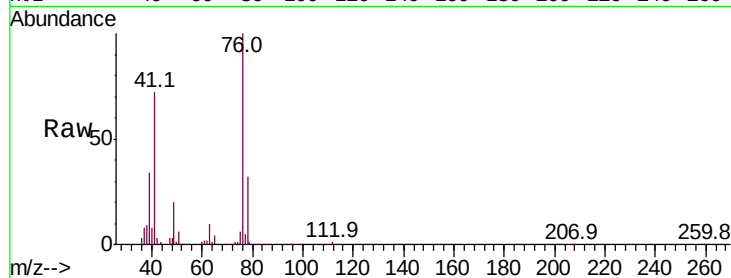
ClientSampleId :

Tot Ion: 76 Resp: 133257

Ion Ratio Lower Upper

76 100

78 32.2 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 268.598 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060120.D

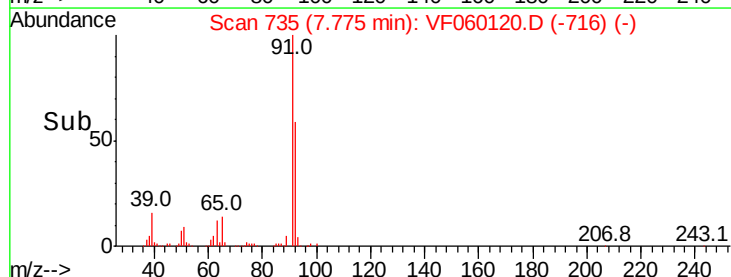
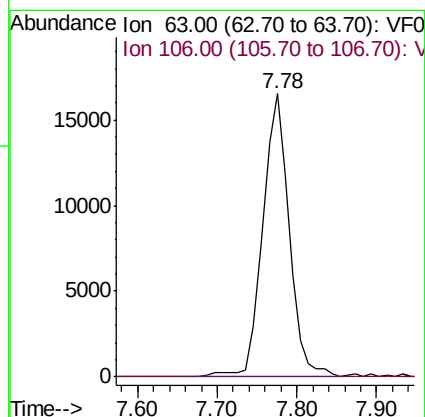
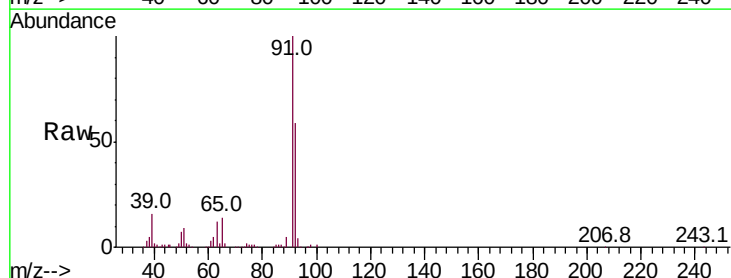
Acq: 27 Aug 2018 11:56

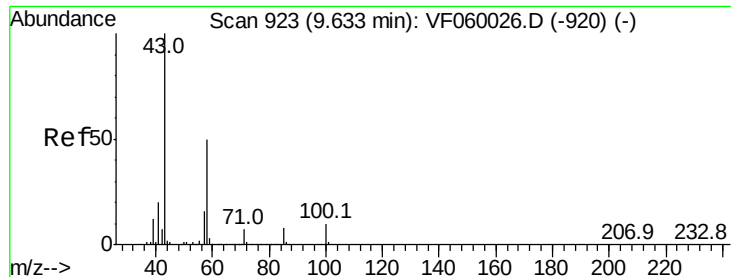
Tgt Ion: 63 Resp: 37866

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

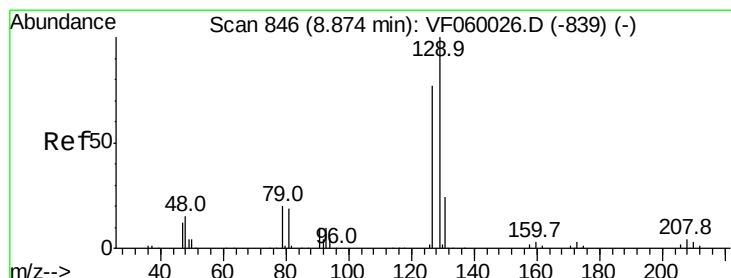
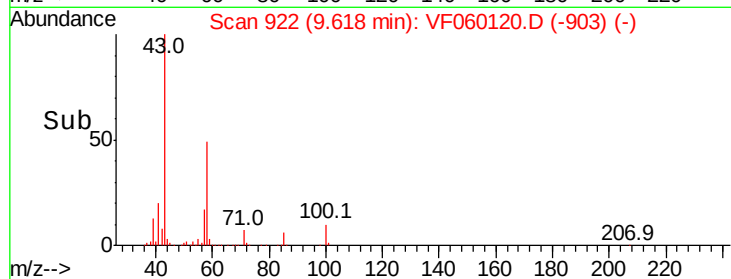
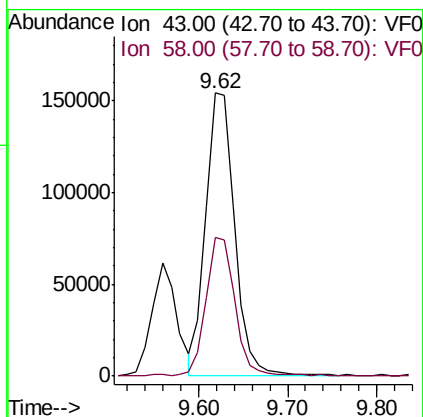
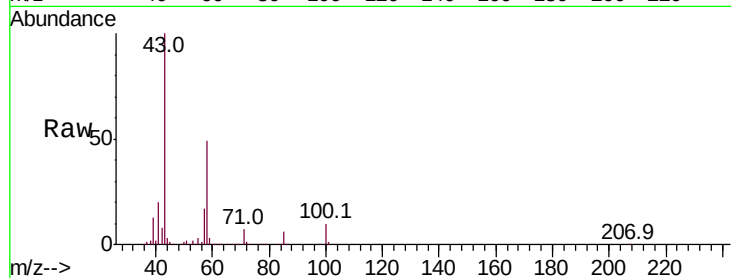




#59
2-Hexanone
Concen: 263.776 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

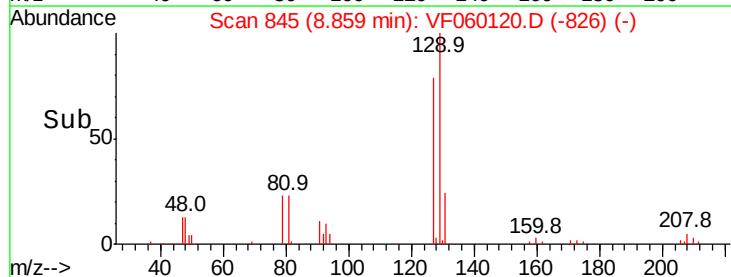
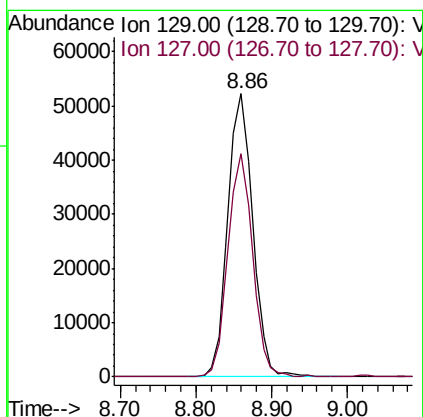
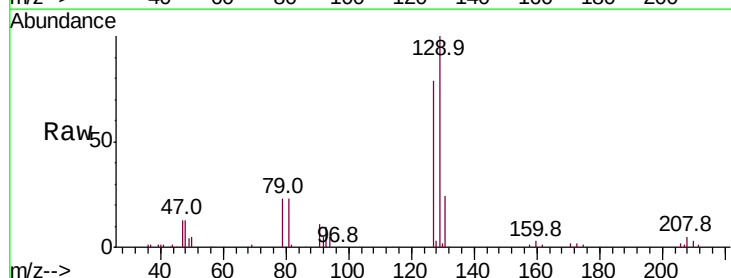
Instrument :
MSVOA_F
ClientSampleId :

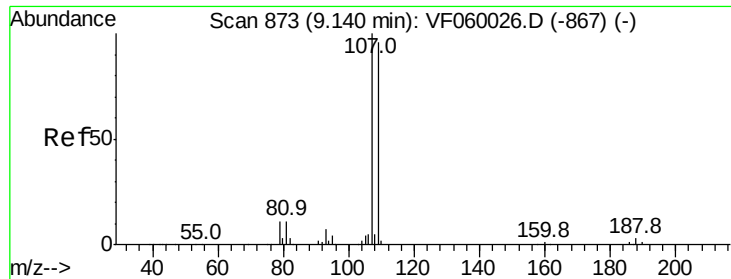
Tot Ion: 43 Resp: 345454
Ion Ratio Lower Upper
43 100
58 49.2 23.4 70.2



#60
Dibromochloromethane
Concen: 54.992 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 129 Resp: 119114
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.761 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

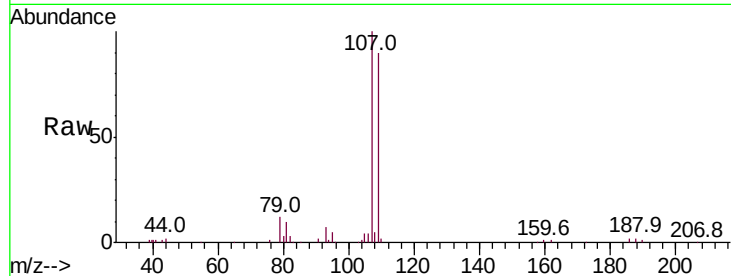
ClientSampleId :

Tot Ion:107 Resp: 89195

Ion Ratio Lower Upper

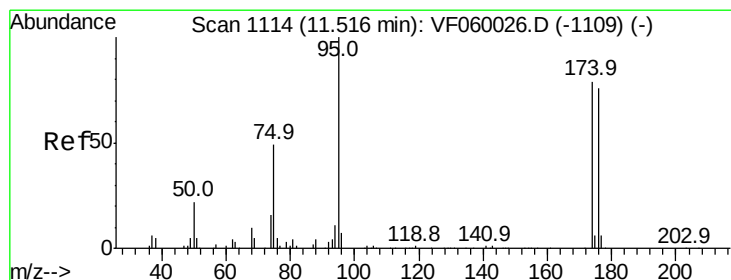
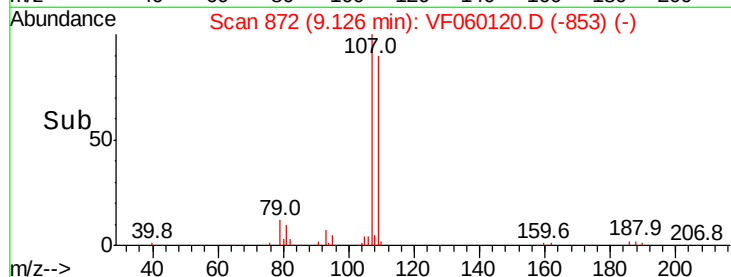
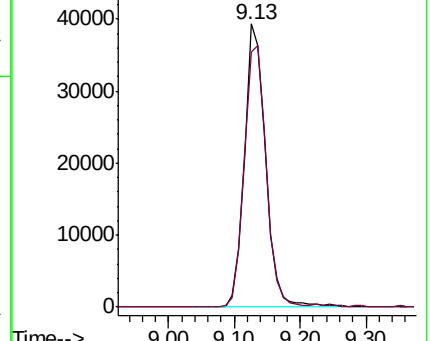
107 100

109 90.0 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: 53.525 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

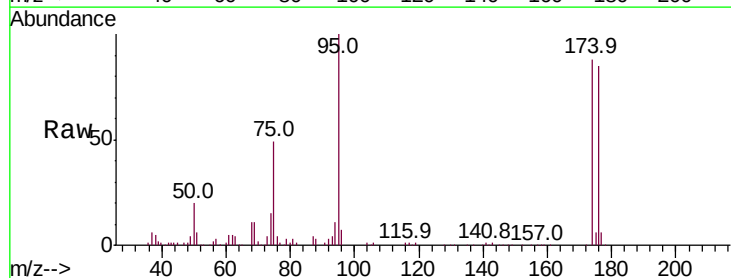
Tgt Ion: 95 Resp: 167272

Ion Ratio Lower Upper

95 100

174 87.8 0.0 158.4

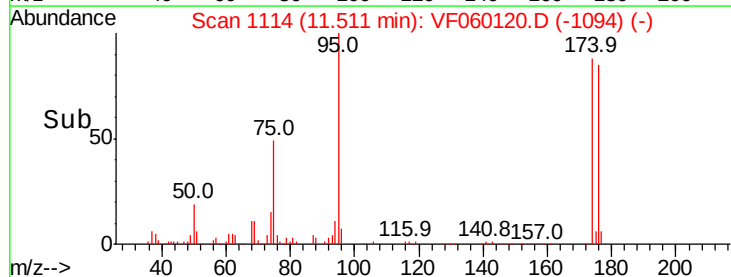
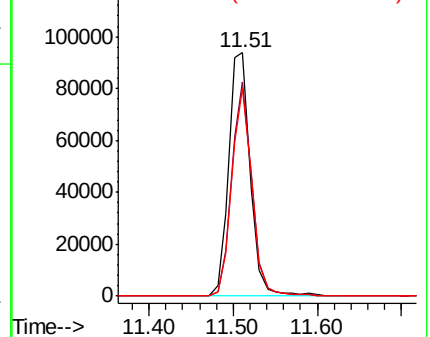
176 85.4 0.0 153.0

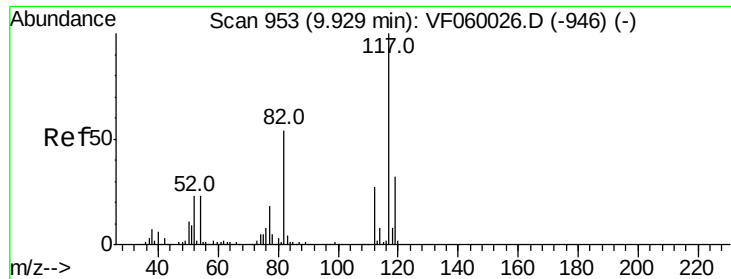


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

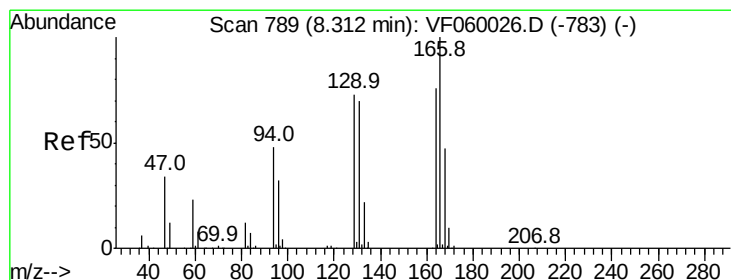
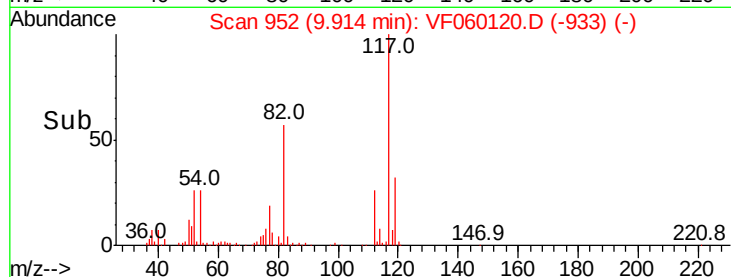
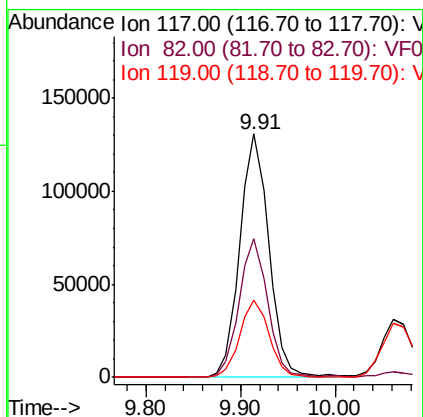
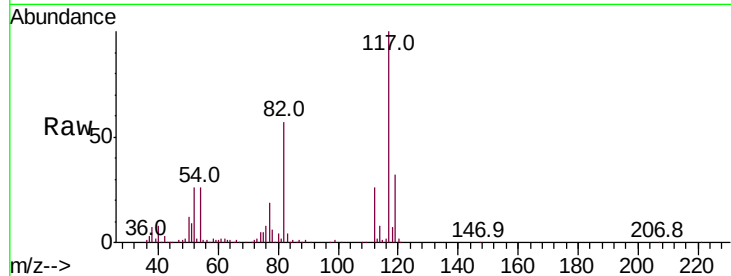




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

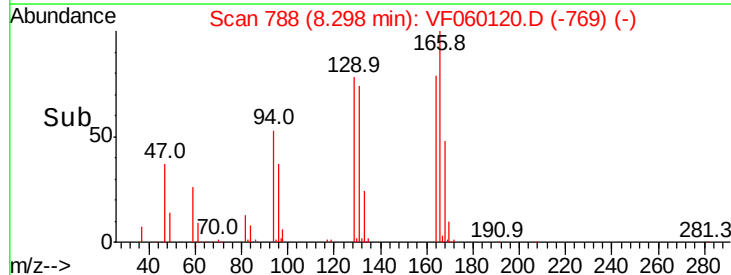
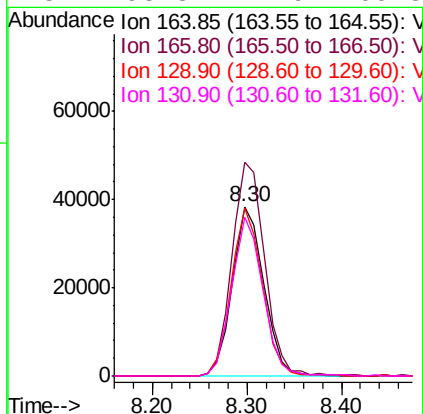
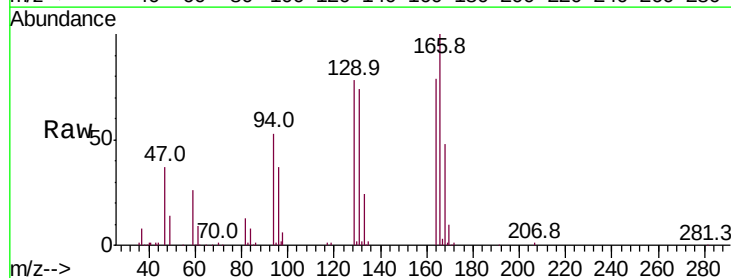
Instrument :
MSVOA_F
ClientSampleId :

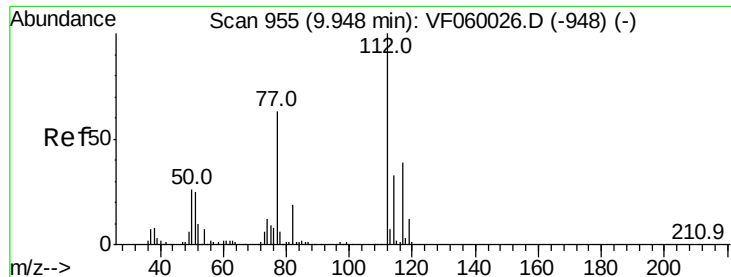
Tot Ion:117 Resp: 279075
Ion Ratio Lower Upper
117 100
82 57.0 43.6 65.4
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 47.309 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion:164 Resp: 88939
Ion Ratio Lower Upper
164 100
166 126.1 104.7 157.1
129 98.7 77.0 115.4
131 93.8 72.9 109.3





#65

Chlorobenzene

Concen: 50.819 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

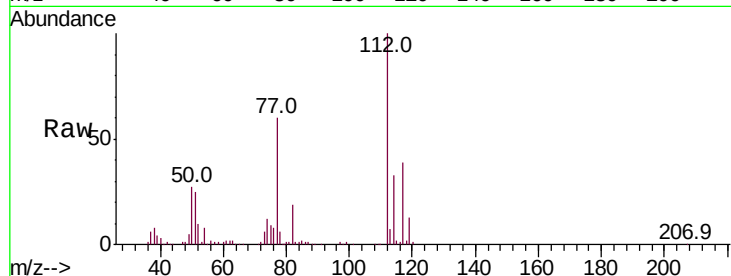
ClientSampleId :

Tot Ion:112 Resp: 267803

Ion Ratio Lower Upper

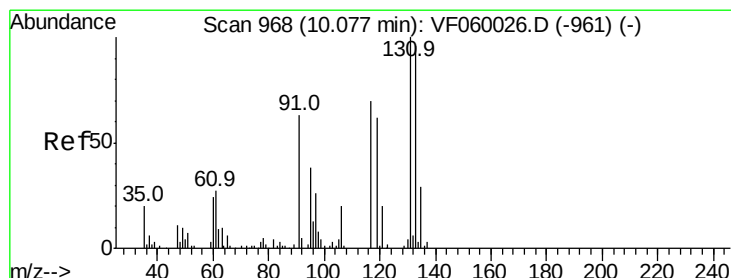
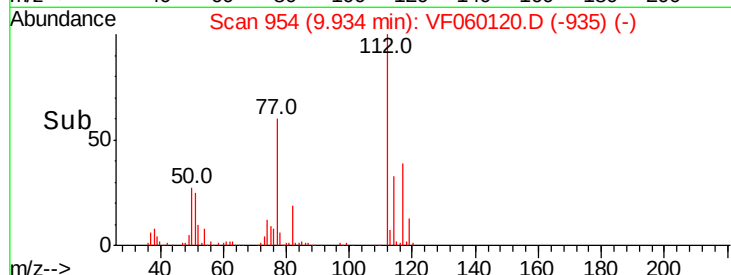
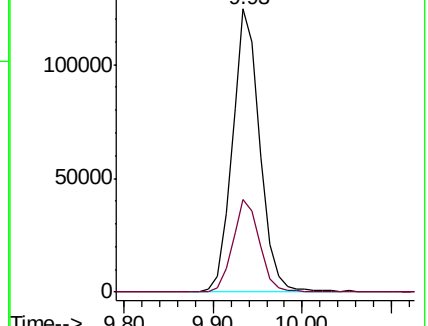
112 100

114 32.8 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: 53.671 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

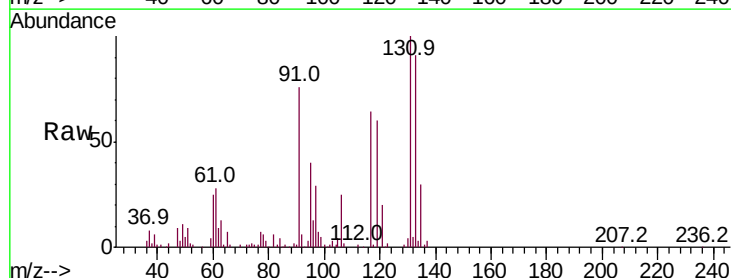
Tgt Ion:131 Resp: 107275

Ion Ratio Lower Upper

131 100

133 90.9 48.2 144.6

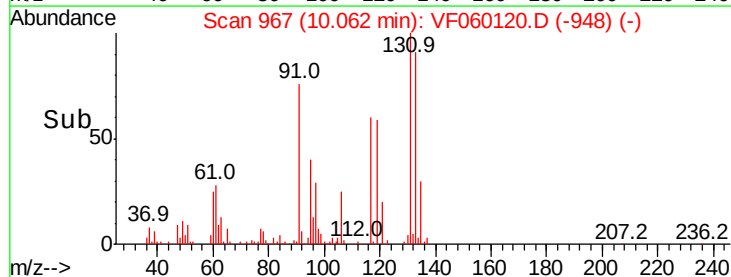
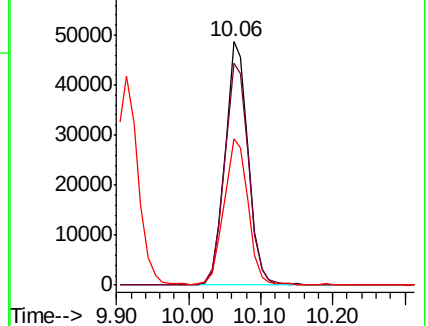
119 59.9 31.4 94.2

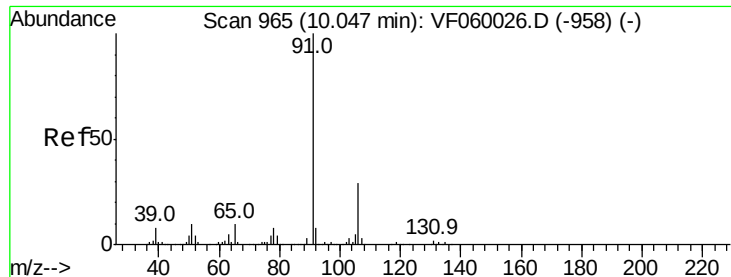


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 52.469 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

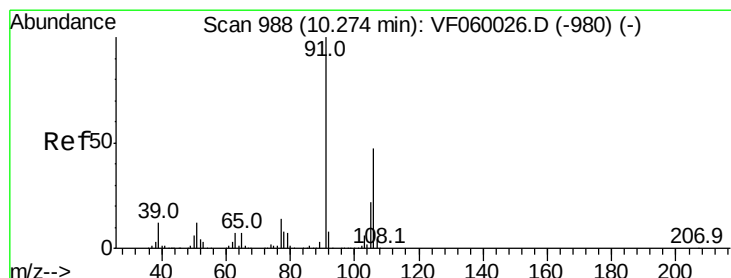
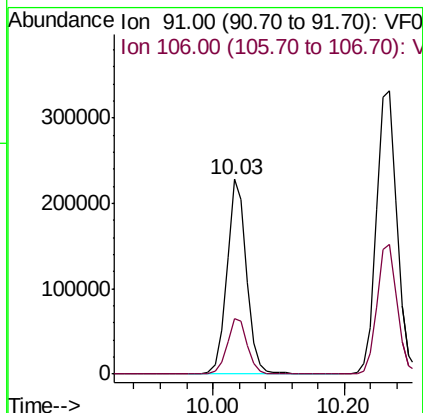
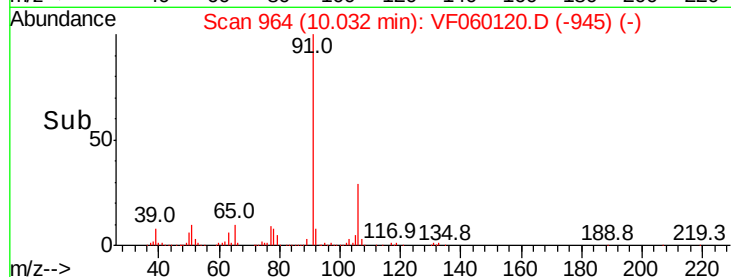
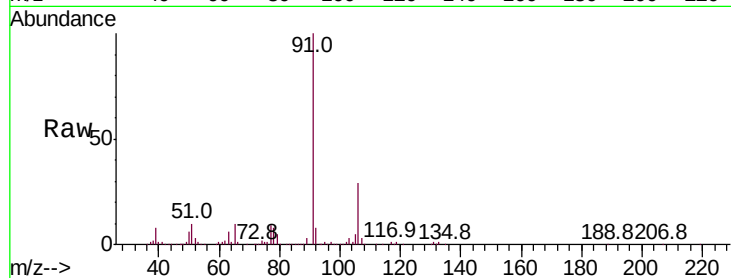
ClientSampleId :

Tot Ion: 91 Resp: 477097

Ion Ratio Lower Upper

91 100

106 28.7 23.6 35.4



#68

m/p-Xylenes

Concen: 114.134 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF060120.D

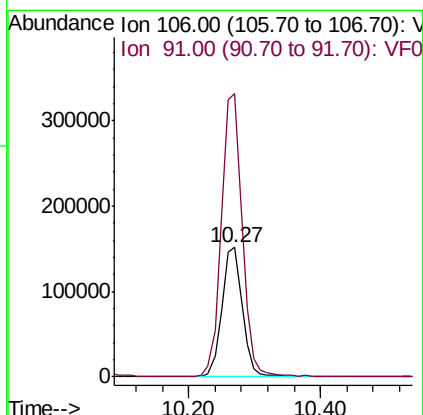
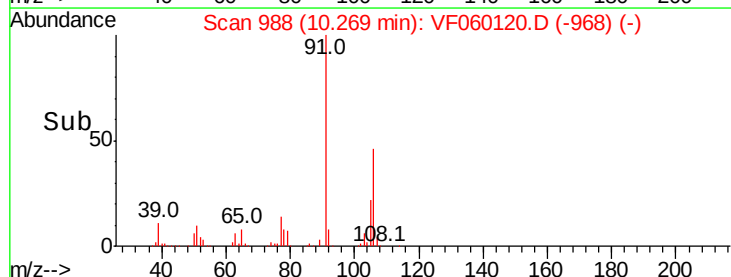
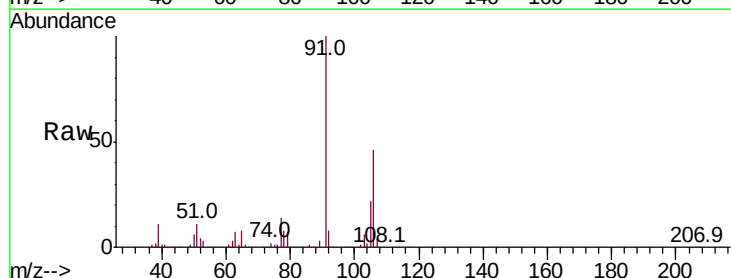
Acq: 27 Aug 2018 11:56

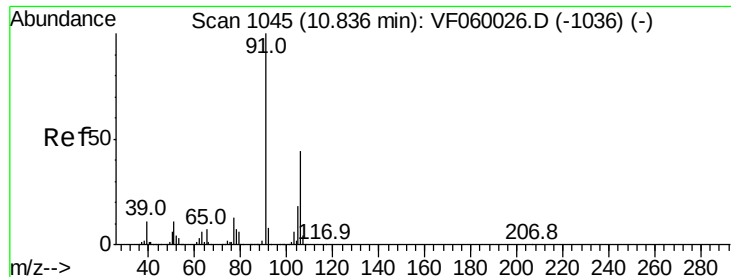
Tgt Ion: 106 Resp: 334586

Ion Ratio Lower Upper

106 100

91 218.4 171.8 257.8

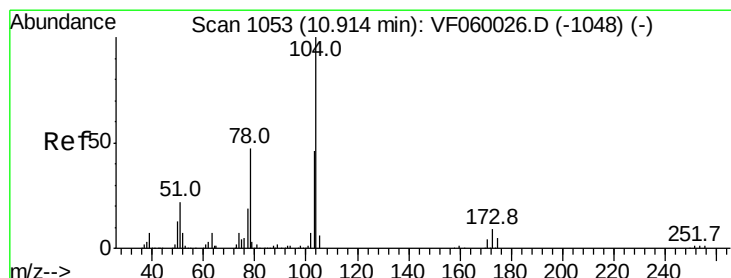
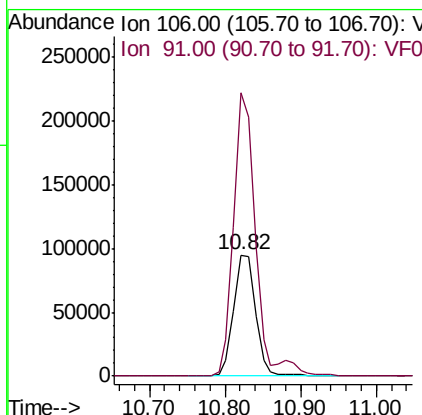
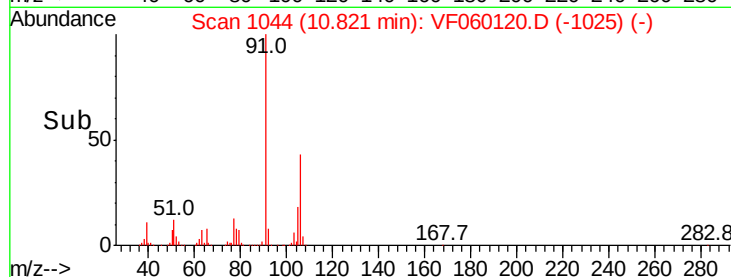
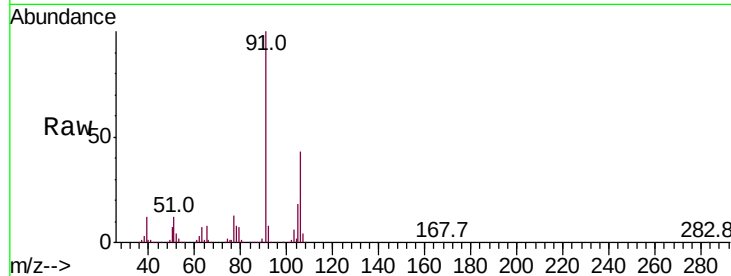




#69
o-Xylene
Concen: 53.499 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

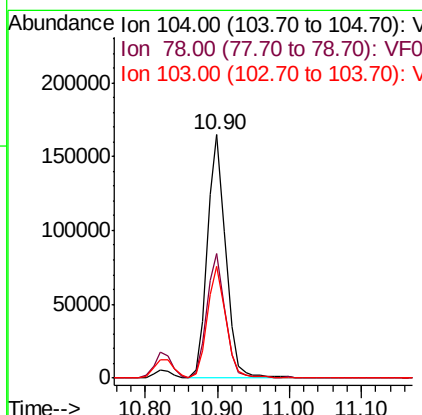
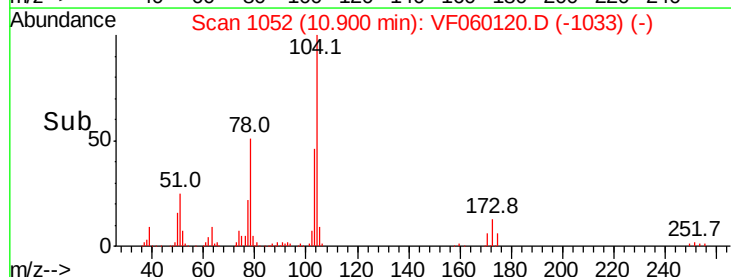
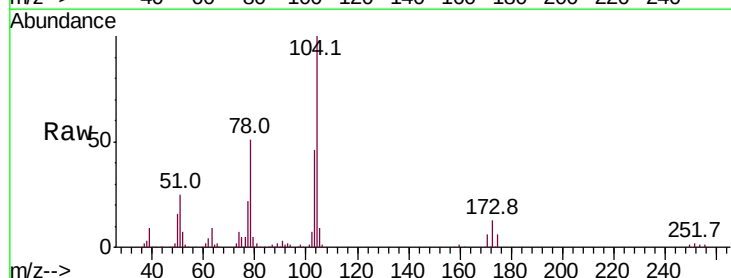
Instrument :
MSVOA_F
ClientSampleId :

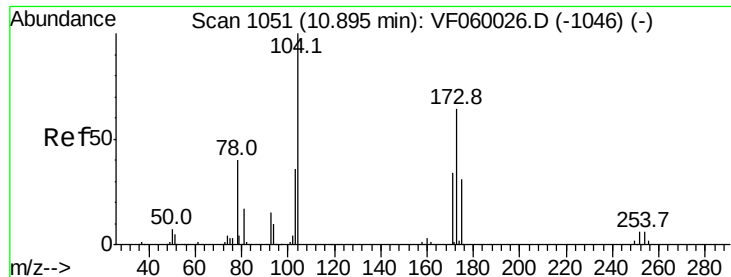
Tot Ion:106 Resp: 190588
Ion Ratio Lower Upper
106 100
91 233.5 112.5 337.5



#70
Styrene
Concen: 52.654 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion:104 Resp: 287781
Ion Ratio Lower Upper
104 100
78 51.1 38.0 57.0
103 45.9 37.6 56.4





#71

Bromoform

Concen: 55.092 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

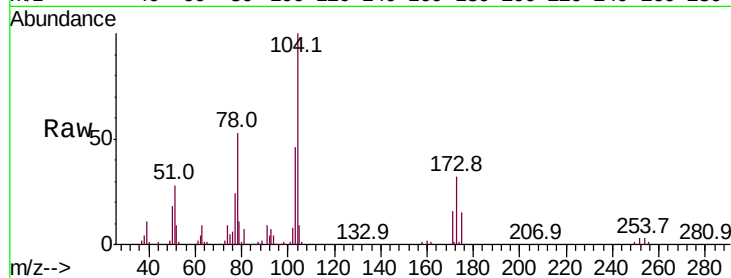
Tot Ion:173 Resp: 76825

Ion Ratio Lower Upper

173 100

175 45.0 24.7 74.1

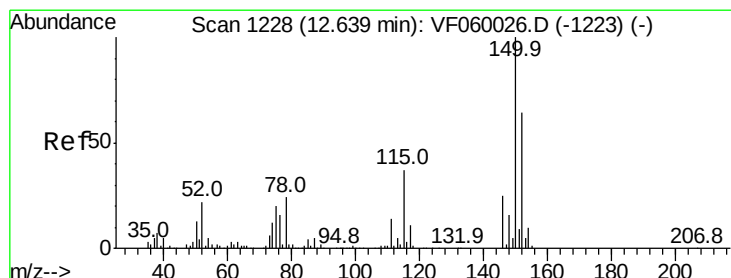
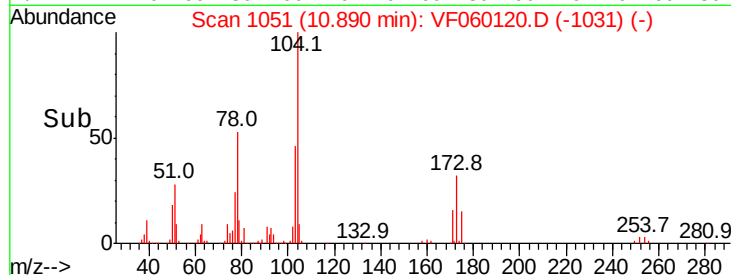
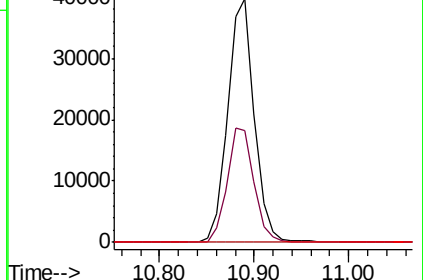
254 0.0 0.0 0.0



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: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

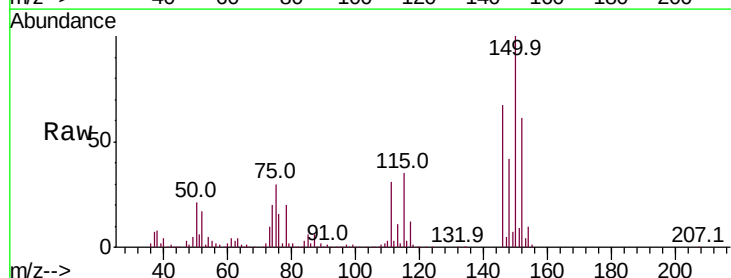
Tgt Ion:152 Resp: 173332

Ion Ratio Lower Upper

152 100

115 56.6 28.6 85.9

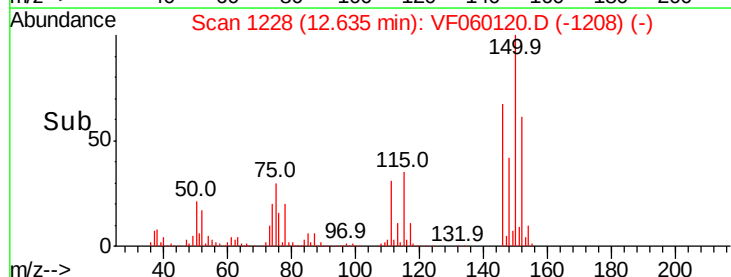
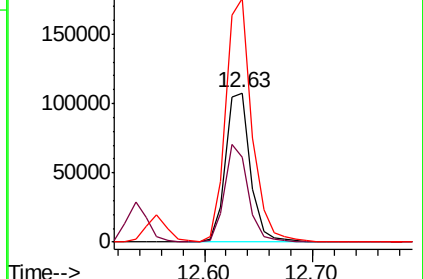
150 163.2 0.0 312.0

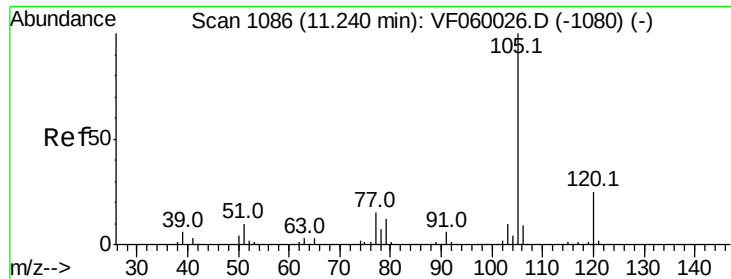


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.359 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

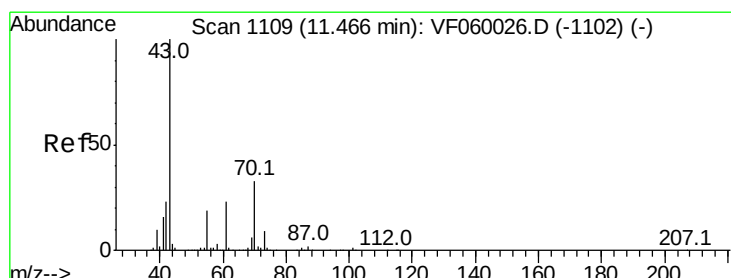
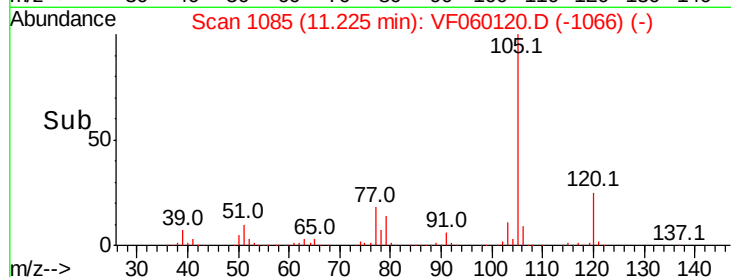
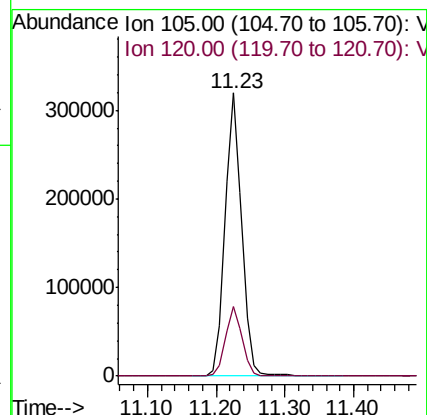
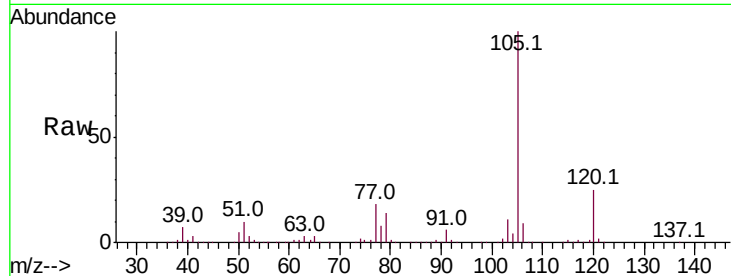
ClientSampleId :

Tot Ion:105 Resp: 535856

Ion Ratio Lower Upper

105 100

120 24.6 12.7 38.0



#74

N-ethyl acetate

Concen: 50.600 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion: 43 Resp: 164096

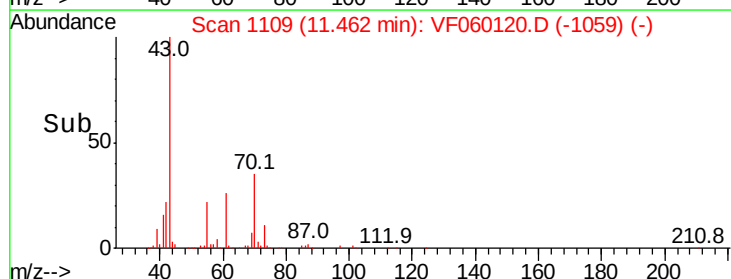
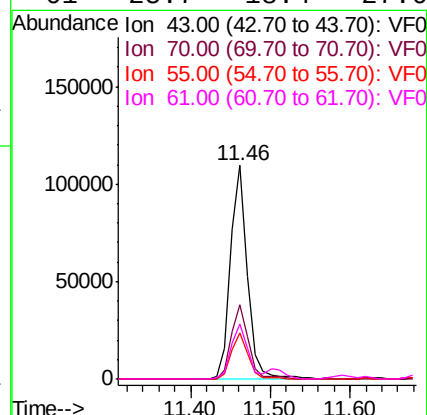
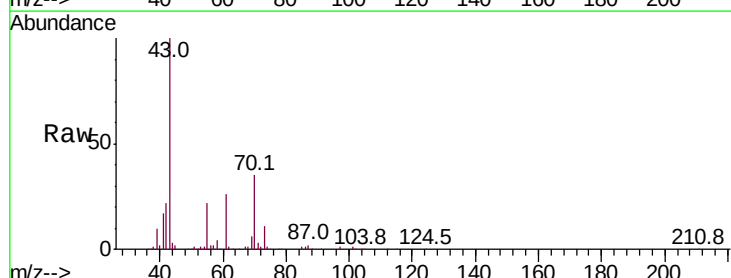
Ion Ratio Lower Upper

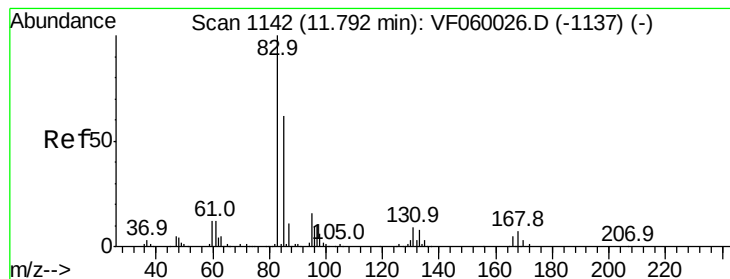
43 100

70 34.9 26.4 39.6

55 21.6 15.0 22.4

61 25.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.987 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampled :

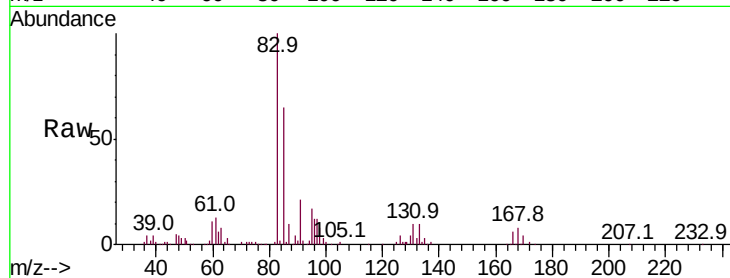
Tot Ion: 83 Resp: 113901

Ion Ratio Lower Upper

83 100

131 10.1 4.5 13.7

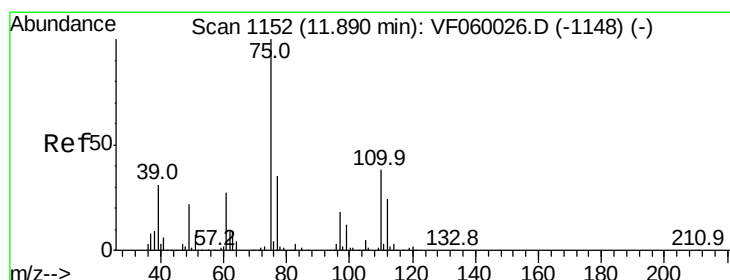
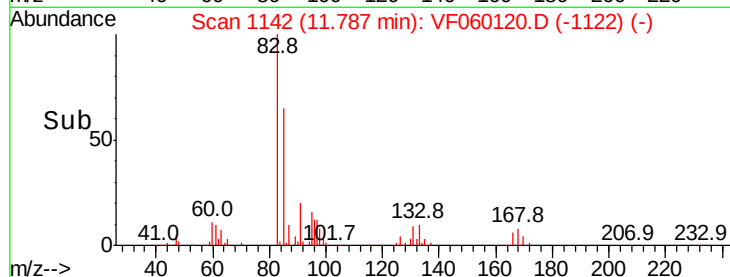
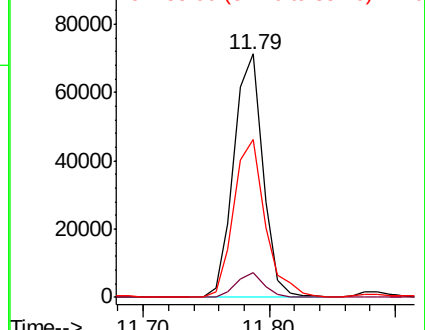
85 64.8 31.3 93.9



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: 49.249 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060120.D

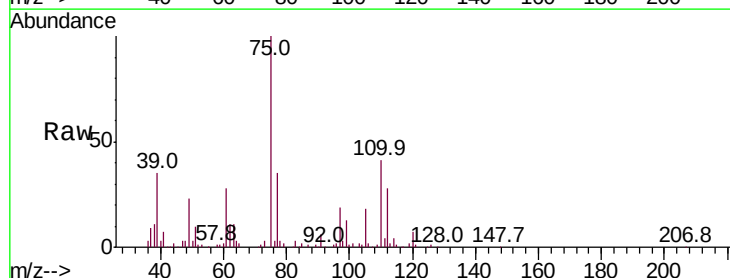
Acq: 27 Aug 2018 11:56

Tgt Ion: 75 Resp: 87026

Ion Ratio Lower Upper

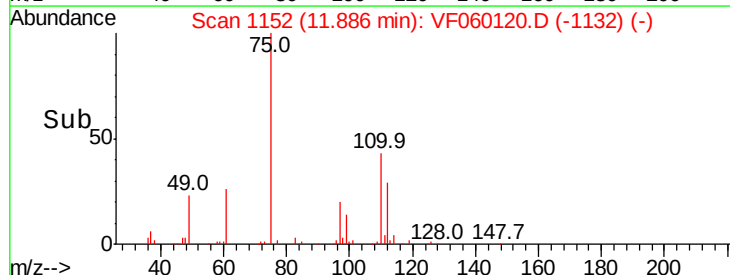
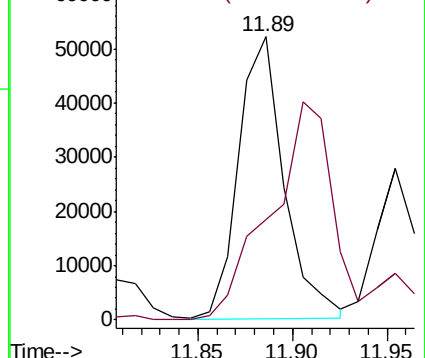
75 100

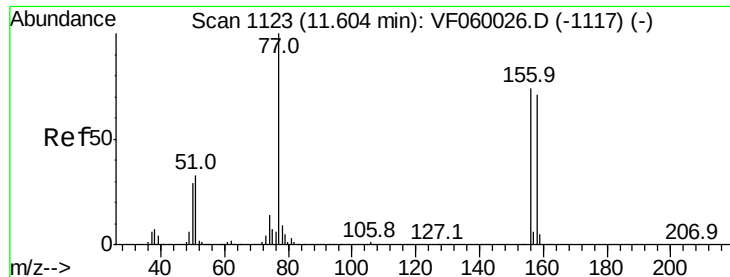
77 35.4 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

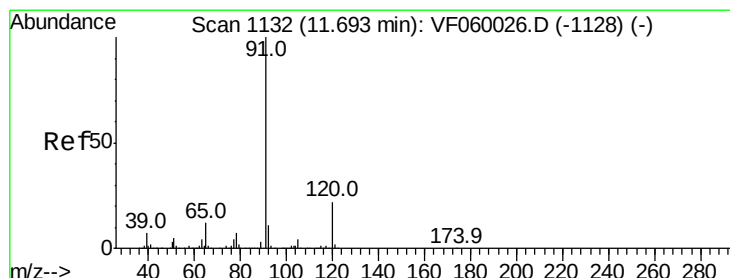
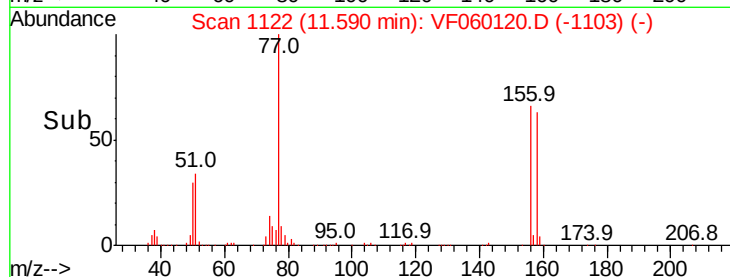
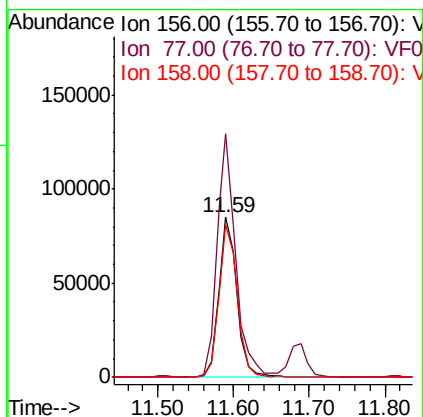
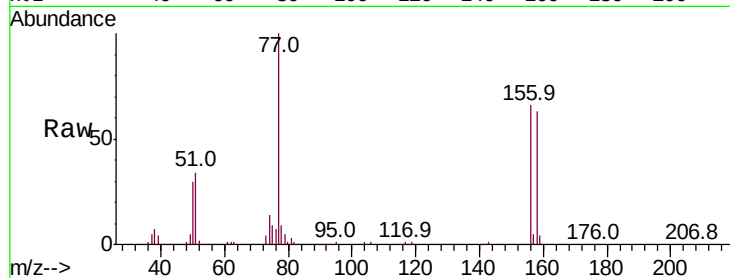




#77
Bromobenzene
Concen: 50.462 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

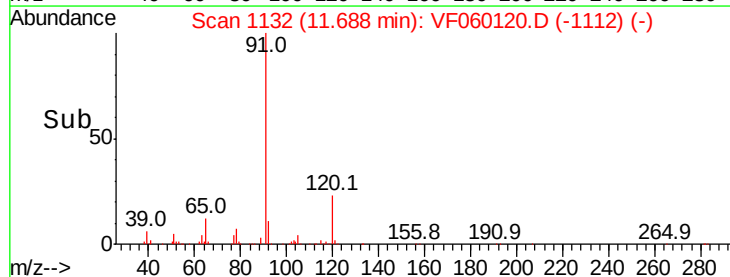
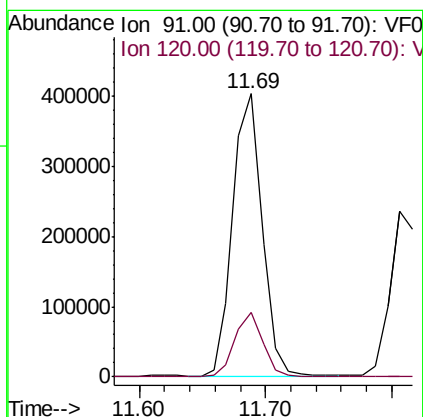
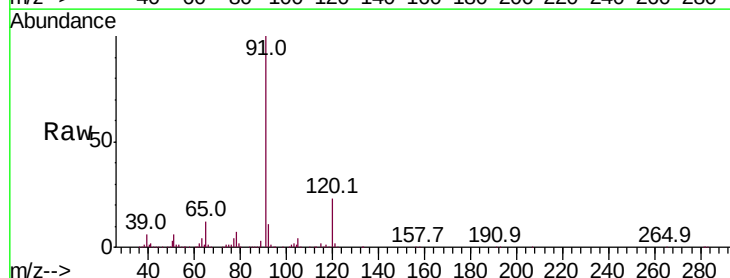
Instrument :
MSVOA_F
ClientSampleId :

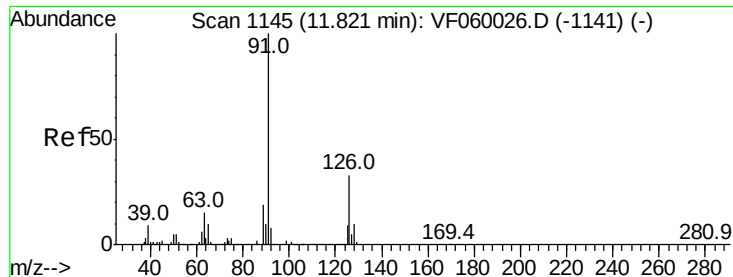
Tot Ion:156 Resp: 143185
Ion Ratio Lower Upper
156 100
77 152.0 68.0 204.0
158 95.2 48.4 145.3



#78
n-propylbenzene
Concen: 50.679 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 91 Resp: 652619
Ion Ratio Lower Upper
91 100
120 22.7 10.9 32.7

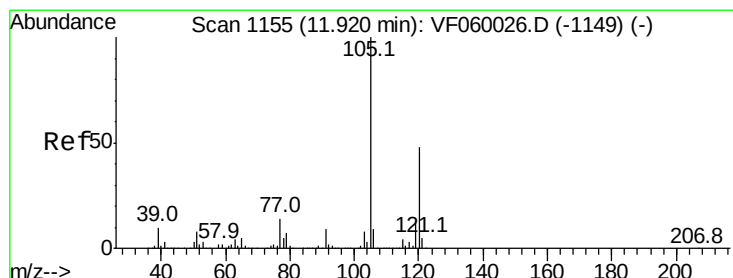
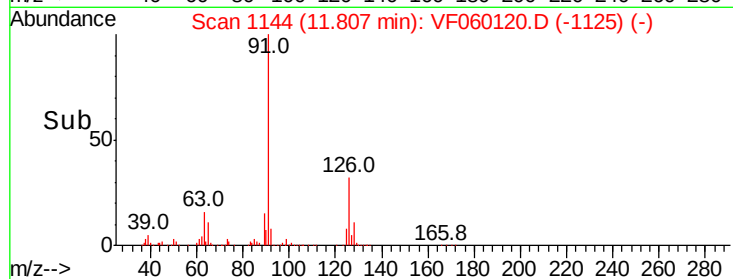
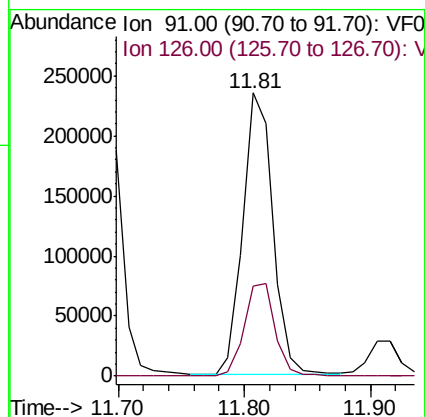
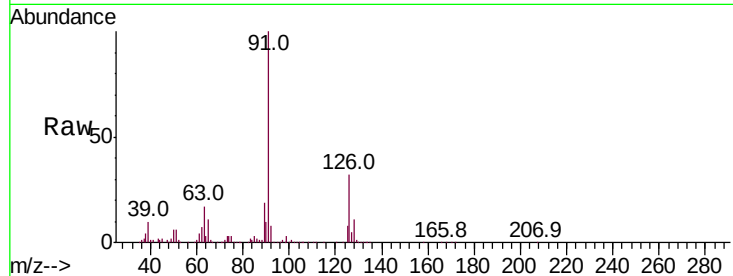




#79
 2-Chlorotoluene
 Concen: 50.614 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

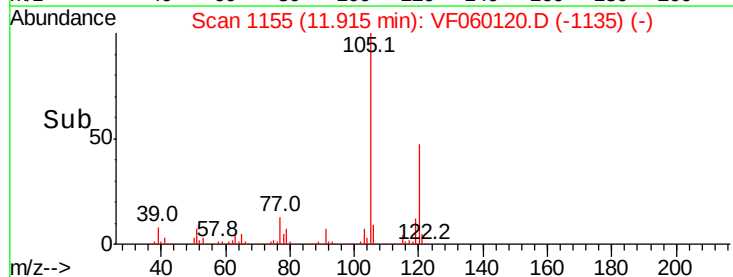
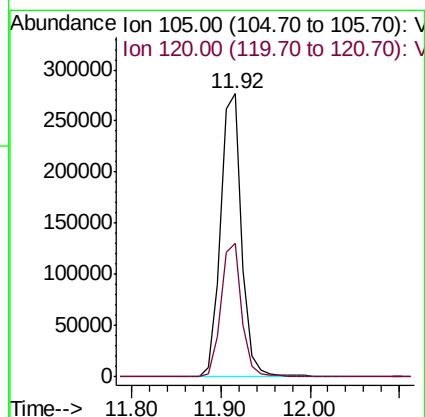
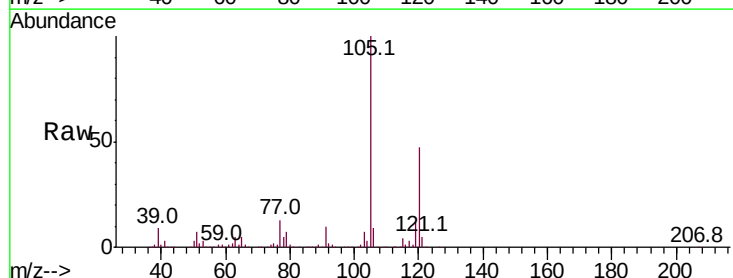
Instrument :
 MSVOA_F
 ClientSampleId :

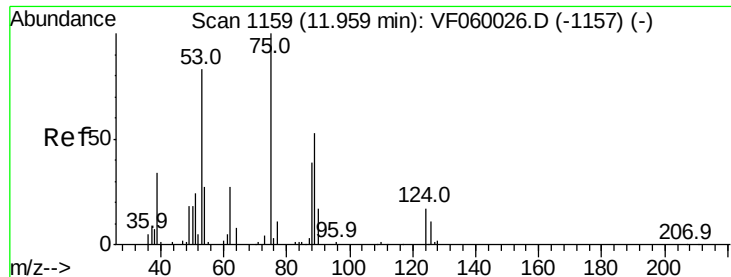
Tot Ion: 91 Resp: 383259
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 50.737 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion:105 Resp: 461194
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.5

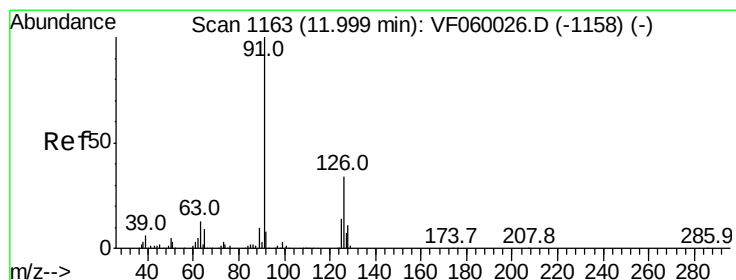
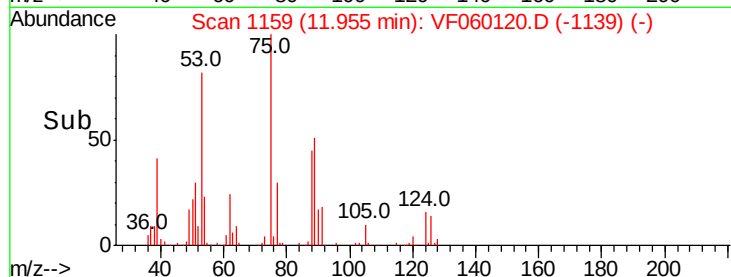
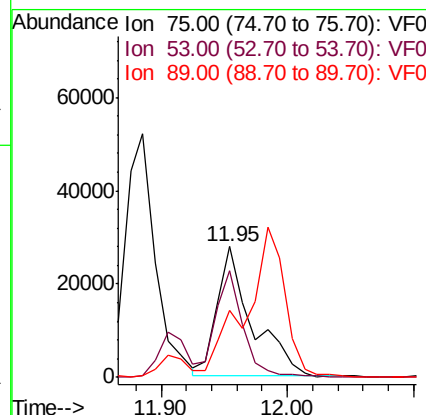
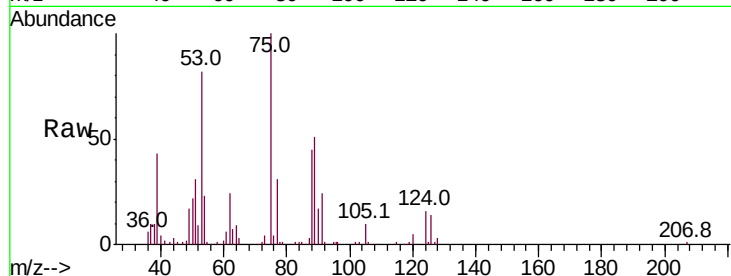




#81
trans-1,4-Dichloro-2-butene
Concen: 66.089 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

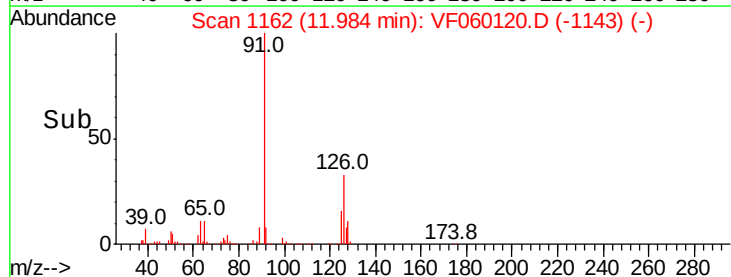
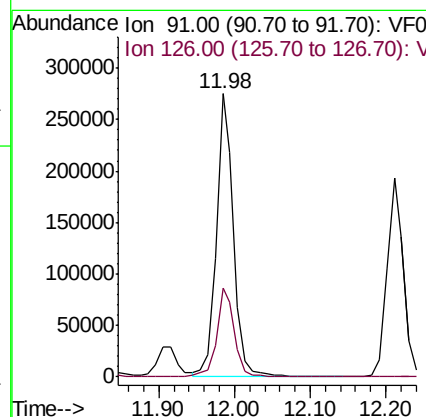
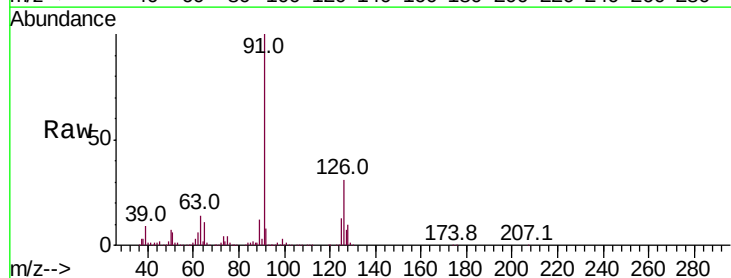
Instrument :
MSVOA_F
ClientSampleId :

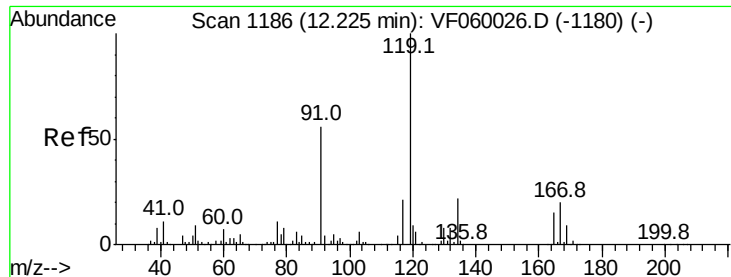
Tot Ion: 75 Resp: 53433
Ion Ratio Lower Upper
75 100
53 81.5 66.2 99.4
89 51.3 42.8 64.2



#82
4-Chlorotoluene
Concen: 52.747 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion: 91 Resp: 433640
Ion Ratio Lower Upper
91 100
126 31.2 17.0 50.9

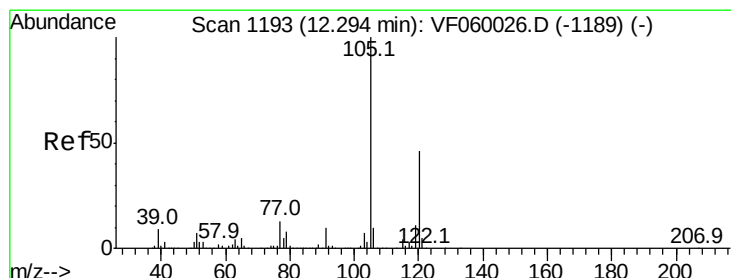
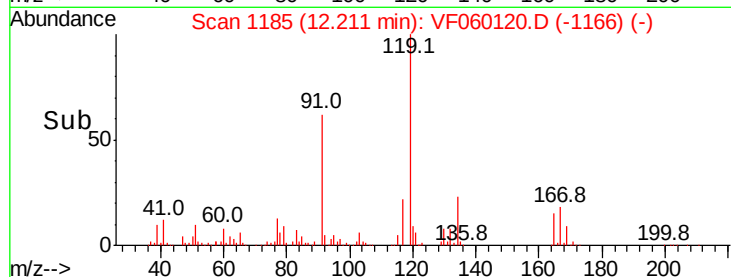
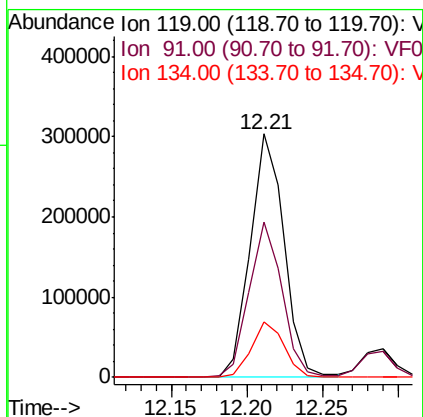
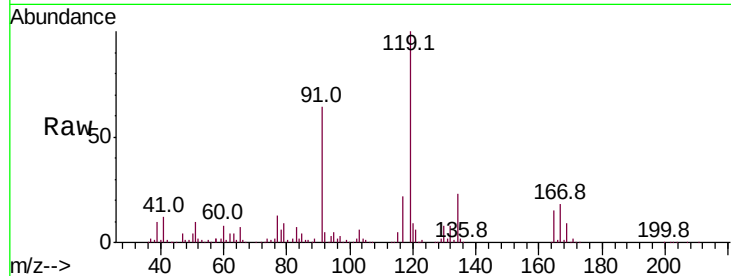




#83
 tert-Butylbenzene
 Concen: 53.521 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

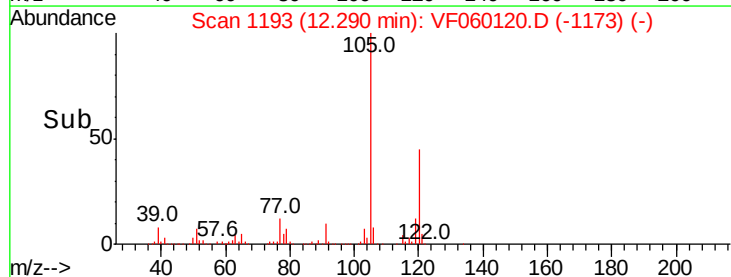
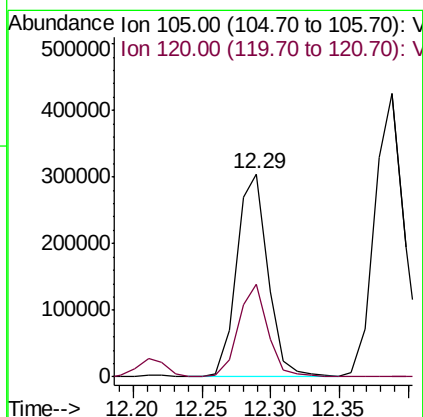
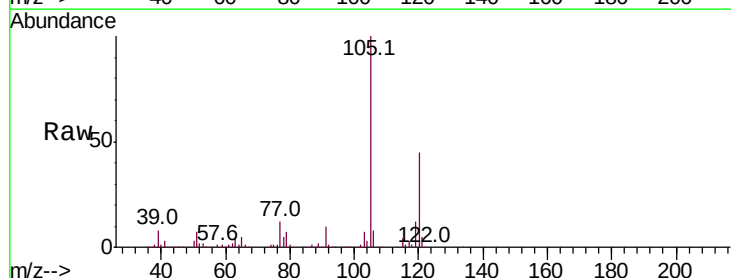
Instrument :
 MSVOA_F
 ClientSampleId :

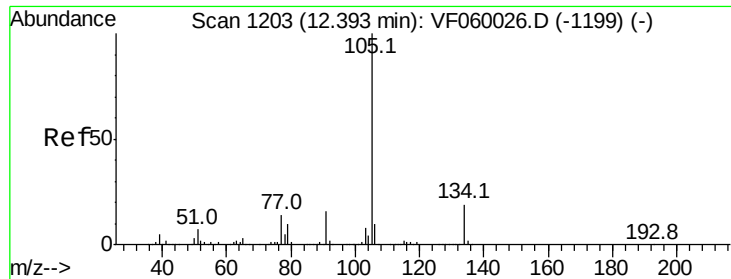
Tot Ion:119 Resp: 474503
 Ion Ratio Lower Upper
 119 100
 91 63.9 28.1 84.3
 134 22.8 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 49.880 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion:105 Resp: 482028
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.3 69.8





#85

sec-Butylbenzene

Concen: 51.725 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

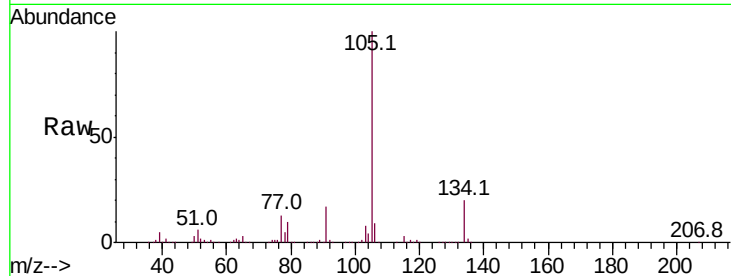
ClientSampled :

Tot Ion:105 Resp: 638408

Ion Ratio Lower Upper

105 100

134 20.2 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

400000

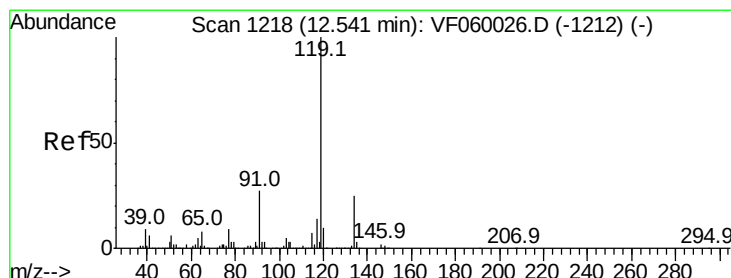
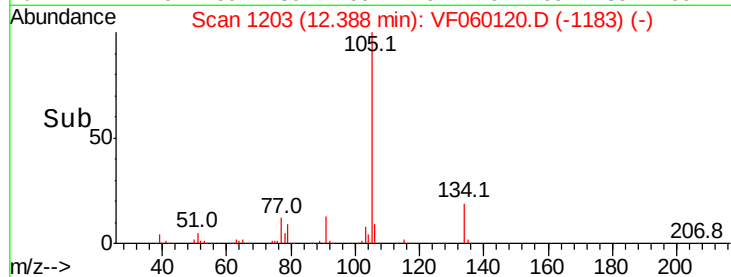
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.575 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

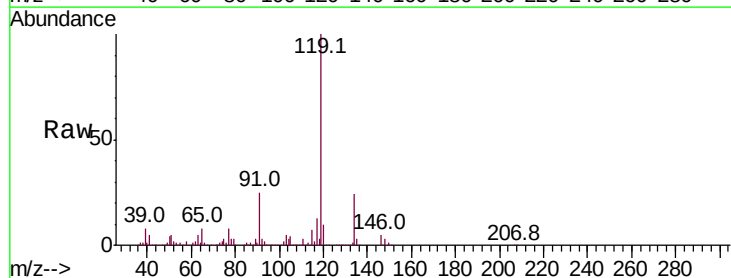
Tgt Ion:119 Resp: 538343

Ion Ratio Lower Upper

119 100

134 24.4 12.4 37.2

91 25.1 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): V

12.54

400000

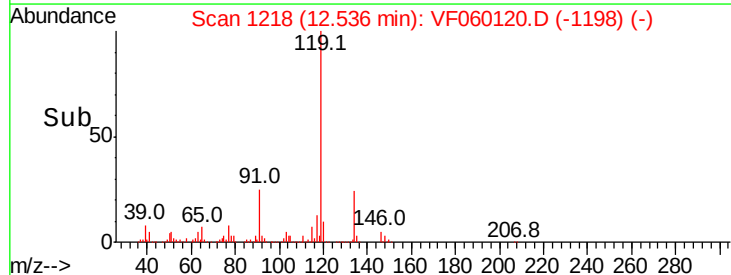
300000

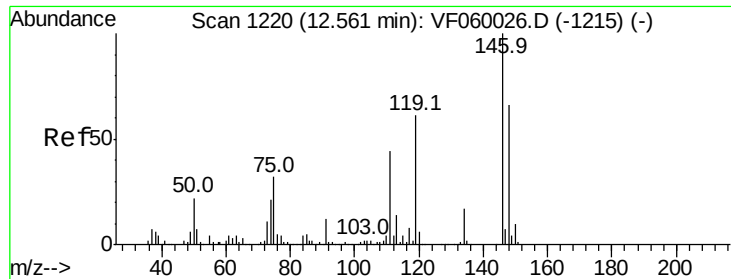
200000

100000

0

Time-->

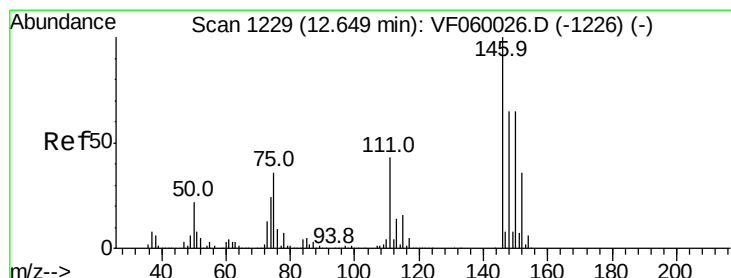
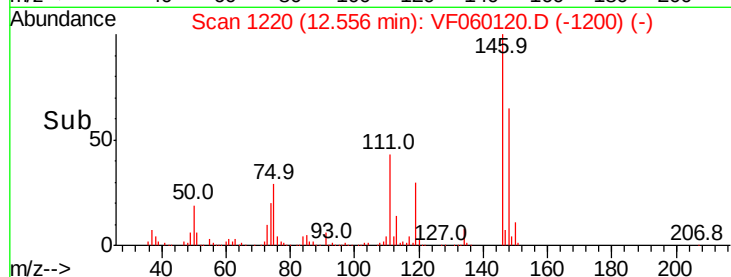
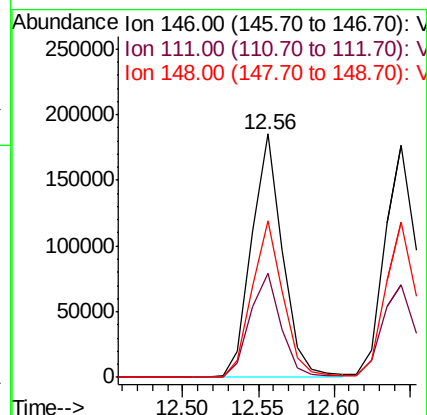
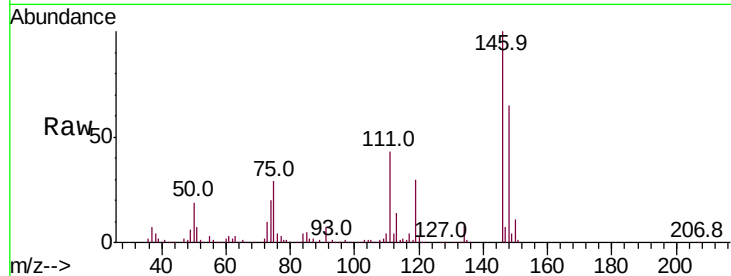




#87
 1,3-Dichlorobenzene
 Concen: 50.655 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

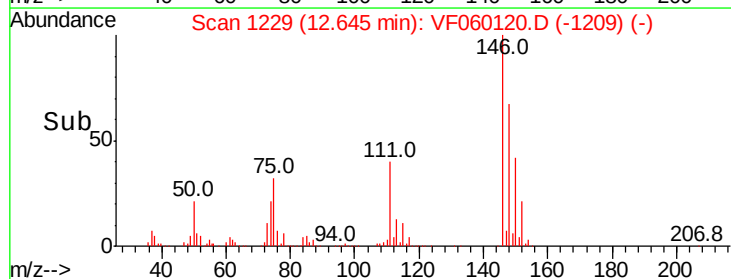
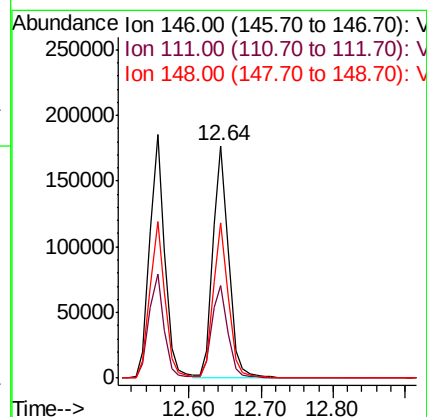
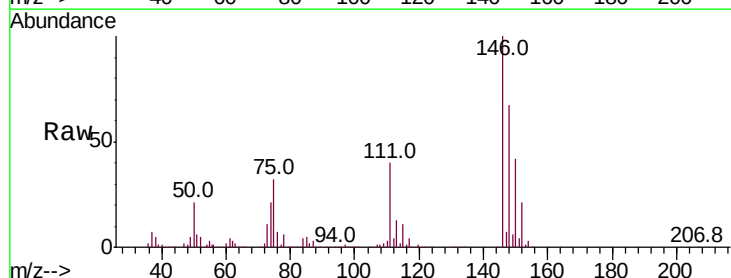
Instrument :
 MSVOA_F
 ClientSampleId :

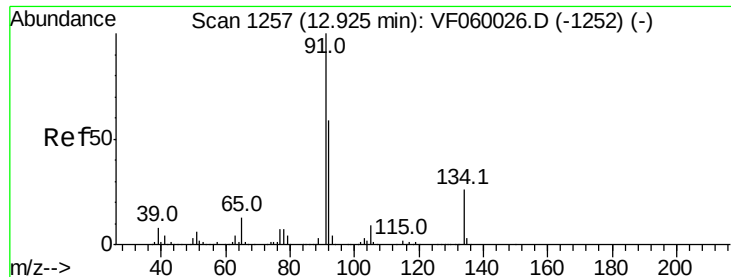
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.5
148	64.5	32.9	98.7



#88
 1,4-Dichlorobenzene
 Concen: 51.115 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.6	64.8
148	66.8	32.3	96.8





#89

n-Butylbenzene

Concen: 55.298 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampled :

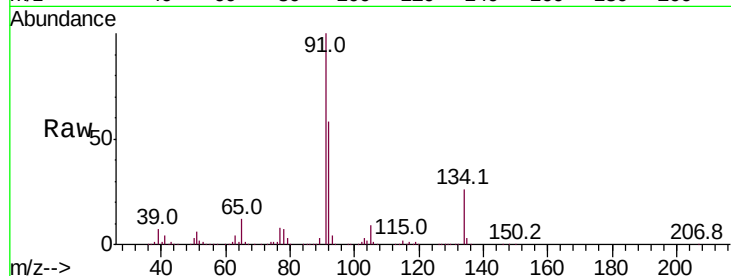
Tot Ion: 91 Resp: 550121

Ion Ratio Lower Upper

91 100

92 57.6 29.3 87.9

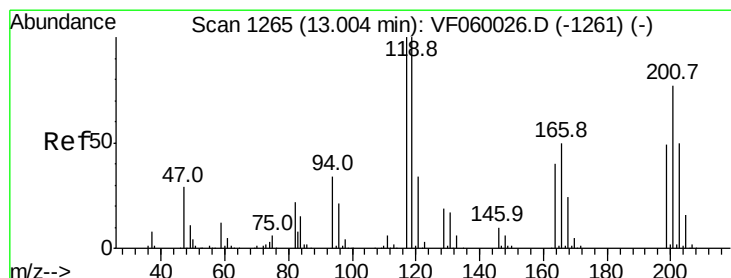
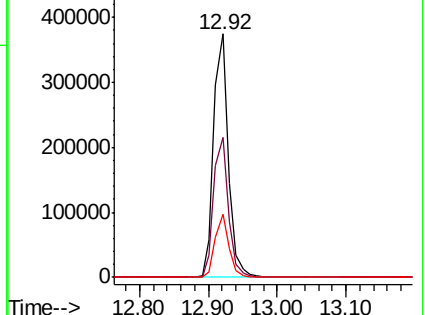
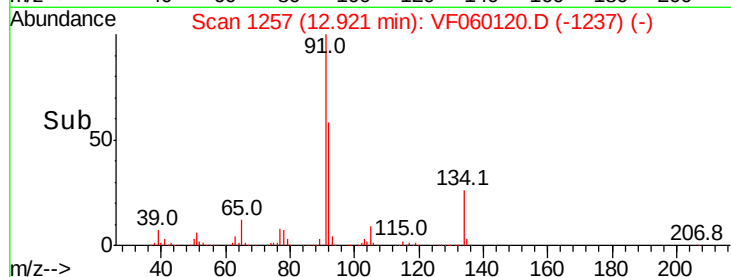
134 26.1 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.878 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF060120.D

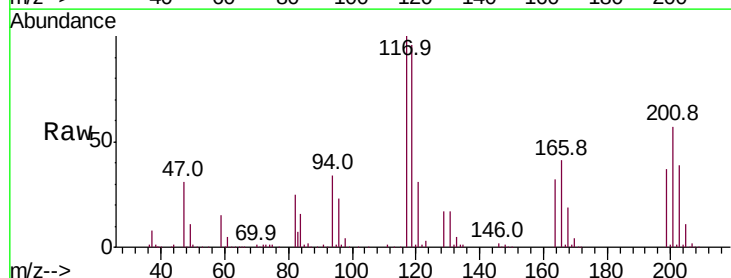
Acq: 27 Aug 2018 11:56

Tgt Ion: 117 Resp: 123973

Ion Ratio Lower Upper

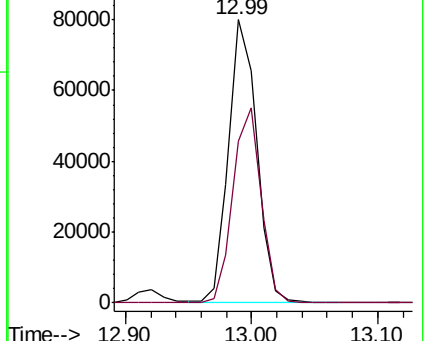
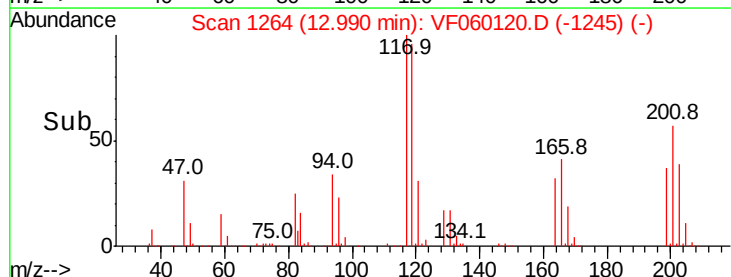
117 100

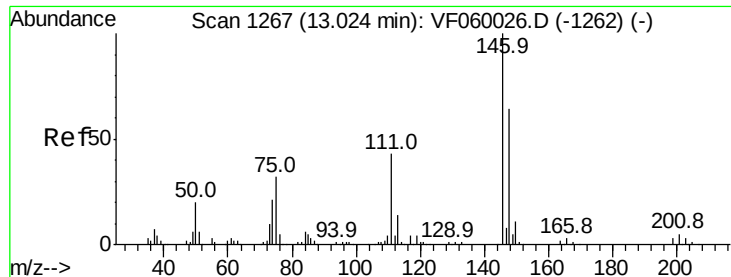
201 57.3 38.6 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

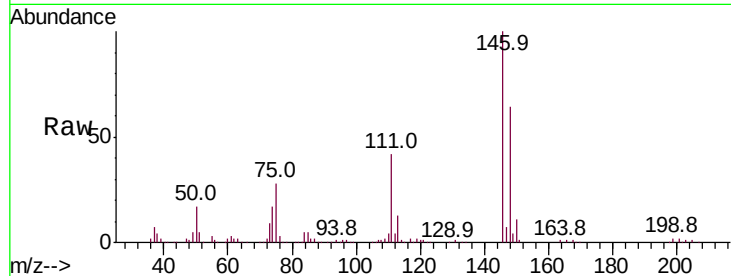




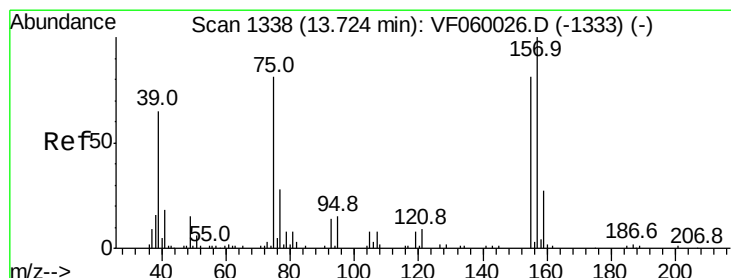
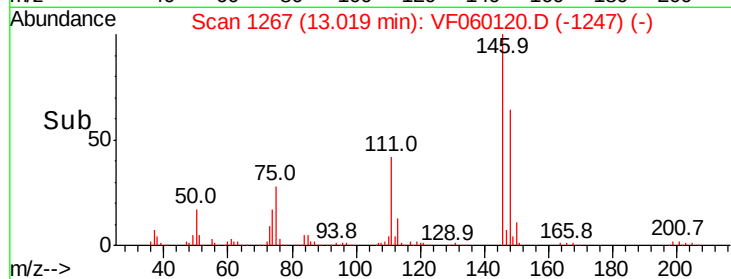
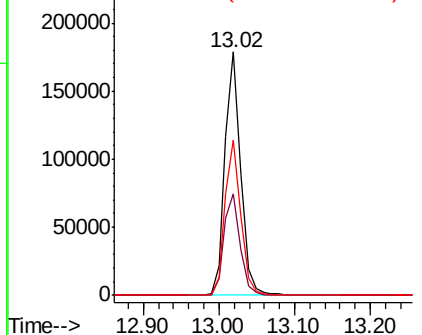
#91
 1,2-Dichlorobenzene
 Concen: 51.392 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.6	64.6
148	63.7	32.3	96.8

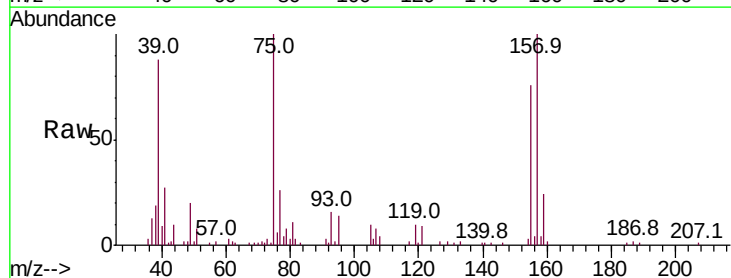


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

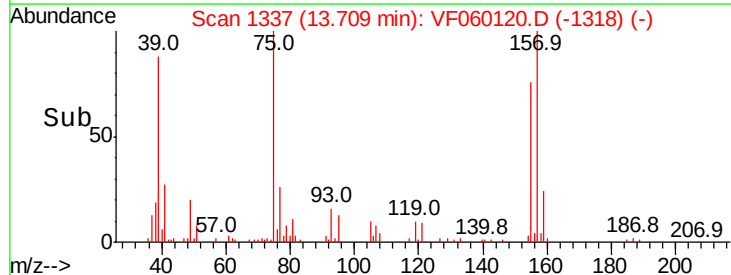
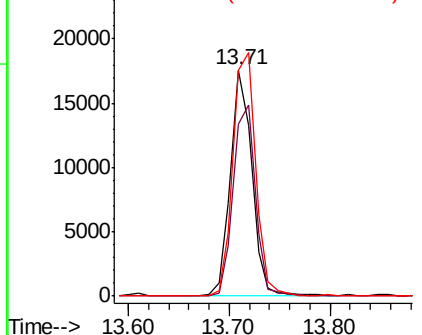


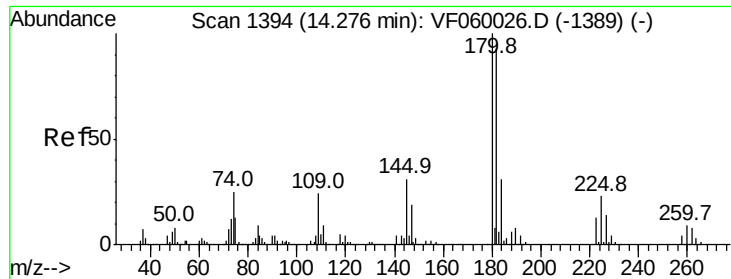
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.962 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	49.8	149.3
157	99.6	61.6	184.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

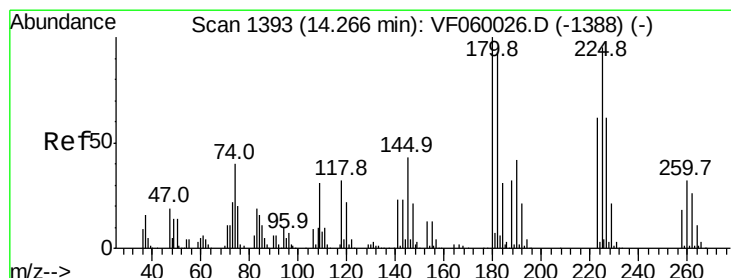
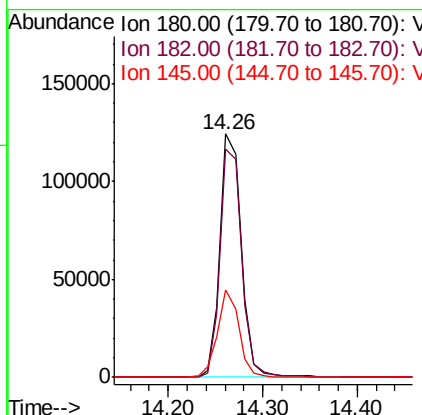
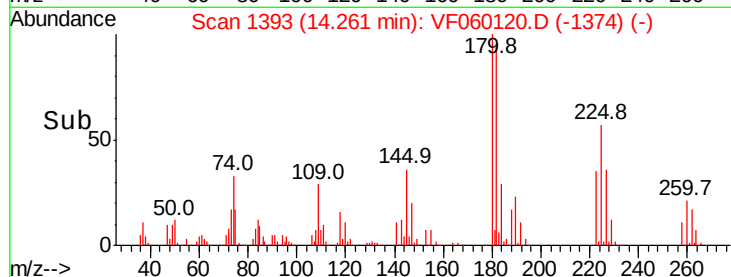
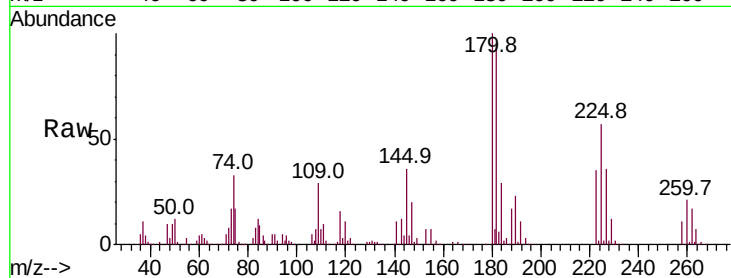




#93
 1,2,4-Trichlorobenzene
 Concen: 52.638 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

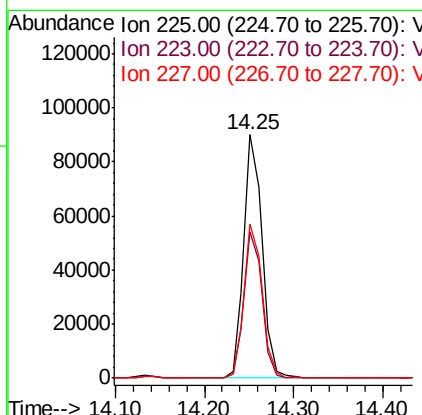
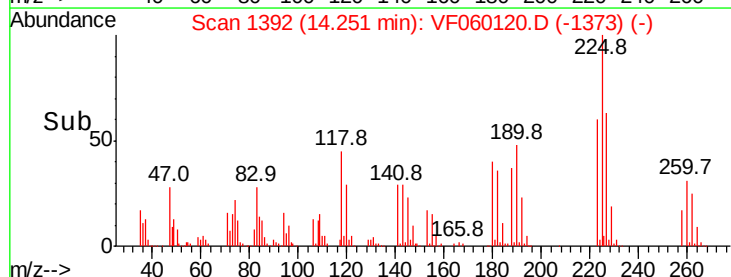
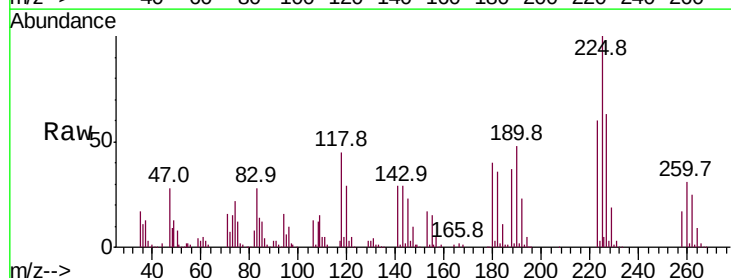
Instrument :
 MSVOA_F
 ClientSampleId :

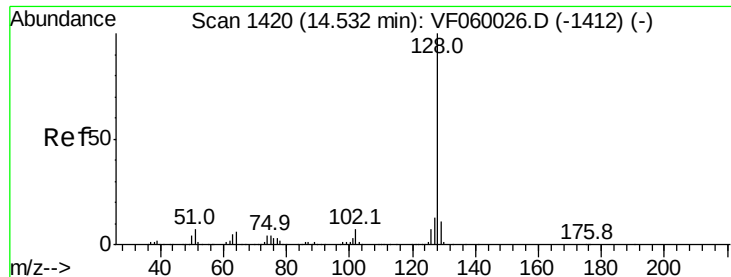
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.8	140.3
145	35.7	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 55.887 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	32.6	97.8
227	63.3	33.0	98.9

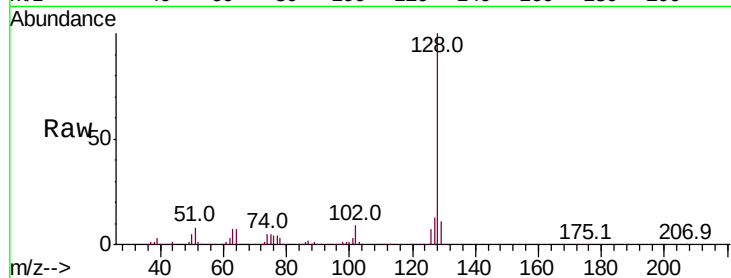




#95
Naphthalene
Concen: 45.905 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.5	12.7

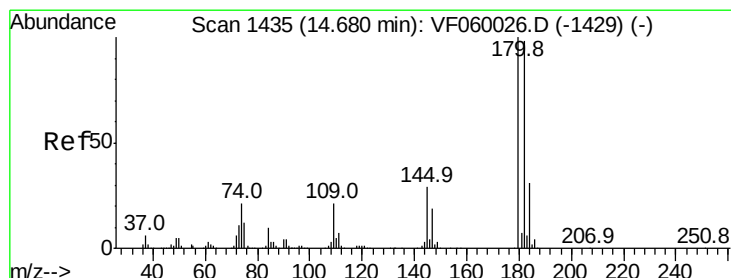
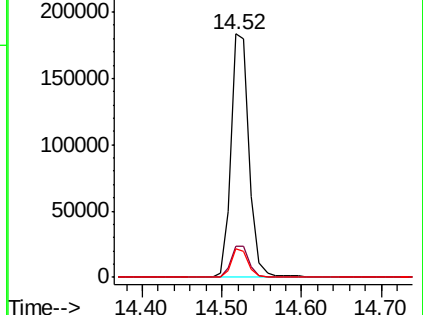
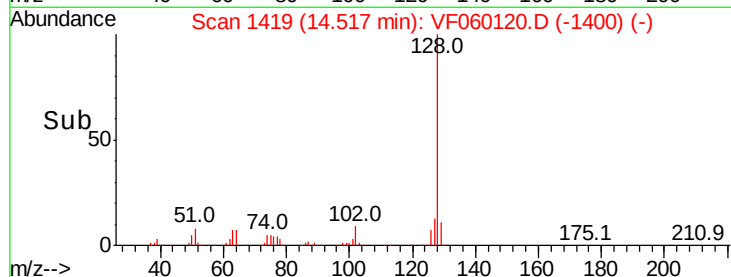


Abundance

Ion 128.00 (127.70 to 128.70): V

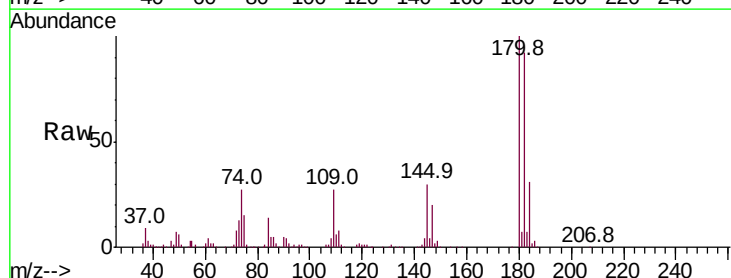
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.020 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	49.0	147.2
145	30.4	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

