

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111518\
 Data File : VF060759.D
 Acq On : 15 Nov 2018 21:08
 Operator : VA/AP
 Sample : J5915-03
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 16 04:39:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	184004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	311399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	258894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	149717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	84954	40.48	ug/l	0.00
Spiked Amount			Recovery	=	80.96%	
35) Dibromofluoromethane	4.12	113	92250	39.41	ug/l	0.00
Spiked Amount			Recovery	=	78.82%	
50) Toluene-d8	7.56	98	243505	39.79	ug/l	0.00
Spiked Amount			Recovery	=	79.58%	
62) 4-Bromofluorobenzene	11.42	95	114581	40.60	ug/l	0.00
Spiked Amount			Recovery	=	81.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	635	6.648	ug/l #	29
13) Acrolein	1.99	56	862	9.870	ug/l	84
14) Allyl chloride	2.18	41	9003	3.423	ug/l #	36
15) Acrylonitrile	2.93	53	715	3.513	ug/l #	17
16) Acetone	2.24	43	39903	88.950	ug/l	97
18) Methyl Acetate	2.38	43	5211	7.074	ug/l #	64
20) Methylene Chloride	2.18	84	6404	1.521	ug/l	94
25) 2-Butanone	4.34	43	28144	38.142	ug/l	97
29) Tetrahydrofuran	4.12	42	481	1.580	ug/l #	36
30) Chloroform	3.87	83	14621	2.965	ug/l	99
31) Cyclohexane	3.76	56	9243	2.478	ug/l #	41
37) Ethyl Acetate	4.02	43	25944	19.323	ug/l #	1
39) Methylcyclohexane	5.47	83	17013	4.061	ug/l #	80
41) Methacrylonitrile	4.68	41	20186	26.131	ug/l #	48
43) Isopropyl Acetate	6.82	43	79136	44.453	ug/l #	48
48) Methyl methacrylate	6.82	41	42915	36.425	ug/l #	45
51) 4-Methyl-2-Pentanone	8.29	43	32457	25.209	ug/l #	48
52) Toluene	7.63	92	15255	2.828	ug/l	79
55) 1,1,2-Trichloroethane	8.40	97	7515	4.875	ug/l #	37
56) Ethyl methacrylate	8.63	69	21316	12.177	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	2720	17.009	ug/l	100
59) 2-Hexanone	9.53	43	16015	17.699	ug/l #	53
67) Ethyl Benzene	9.91	91	454699	46.174	ug/l	97
68) m/p-Xylenes	10.14	106	634597	180.323	ug/l	98
69) o-Xylene	10.72	106	174301	44.053	ug/l	95
73) Isopropylbenzene	11.13	105	183898	15.260	ug/l	96
74) N-amyl acetate	11.40	43	19960	7.276	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	11.67	83	11520	5.782	ug/l #	1
76) 1,2,3-Trichloropropane	11.83	75	13098	8.852	ug/l #	1
78) n-propylbenzene	11.60	91	876992	62.397	ug/l	97
79) 2-Chlorotoluene	11.72	91	337914	41.366	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.83	105	1105926	115.591	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	13098	18.017	ug/l #	1
82) 4-Chlorotoluene	11.83	91	125540	15.001	ug/l #	43

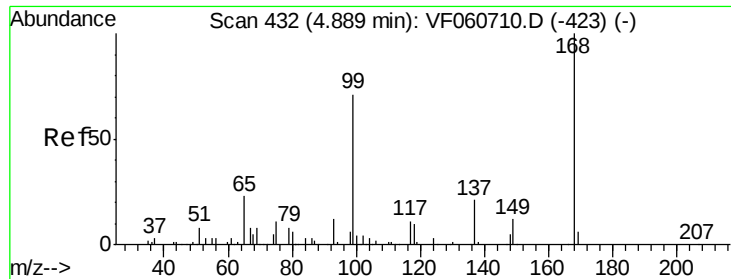
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111518\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.22	119	358537	35.294	ug/l #	48
84) 1,2,4-Trimethylbenzene	12.22	105	2723309	275.220	ug/l	97
85) sec-Butylbenzene	12.32	105	167159	12.130	ug/l #	75
86) p-Isopropyltoluene	12.44	119	310029	26.937	ug/l	96
89) n-Butylbenzene	12.85	91	569829	48.515	ug/l #	70
90) Hexachloroethane	12.94	117	11423	4.058	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	13.62	75	2857	7.629	ug/l #	7
95) Naphthalene	14.46	128	374196	60.702	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

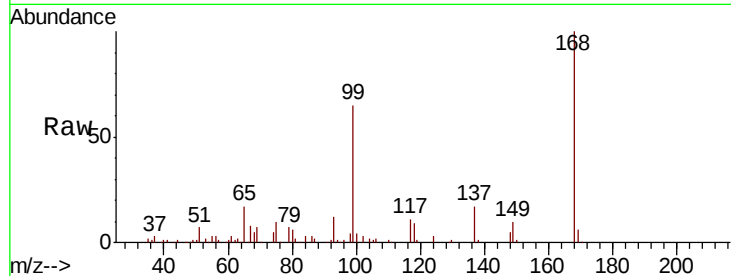
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 184004

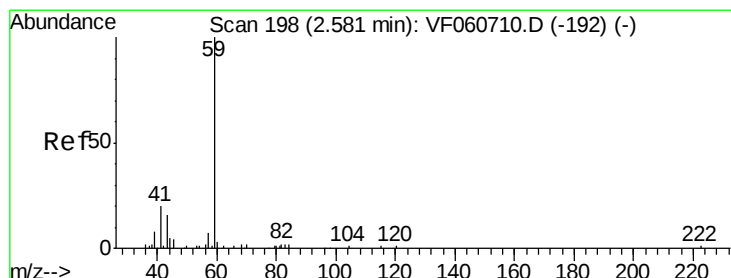
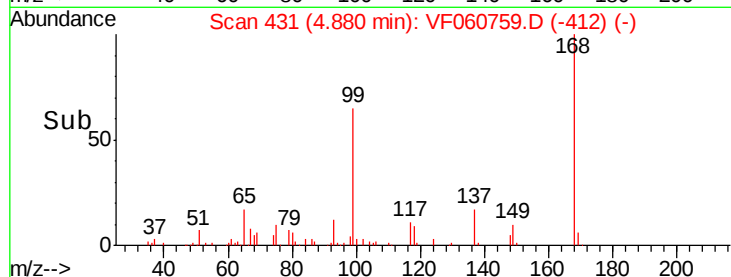
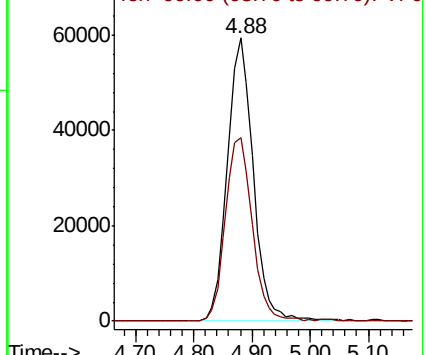
Ion Ratio Lower Upper

168 100

99 64.8 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 6.648 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060759.D

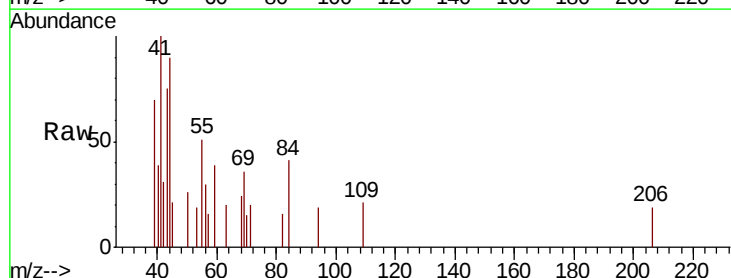
Acq: 15 Nov 2018 21:08

Tgt Ion: 59 Resp: 635

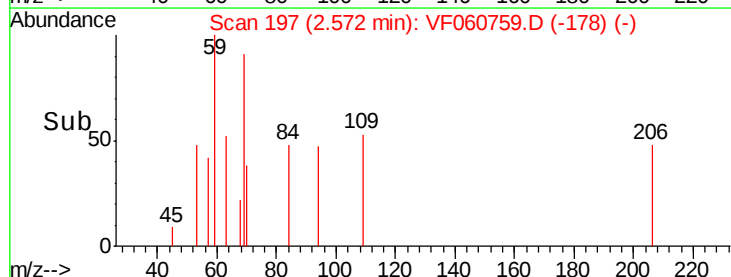
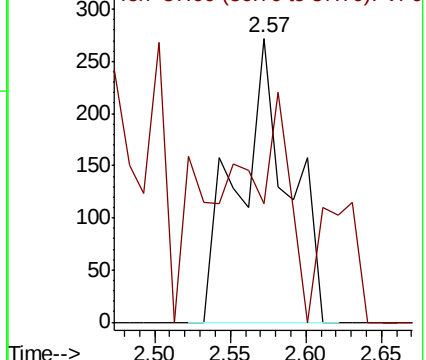
Ion Ratio Lower Upper

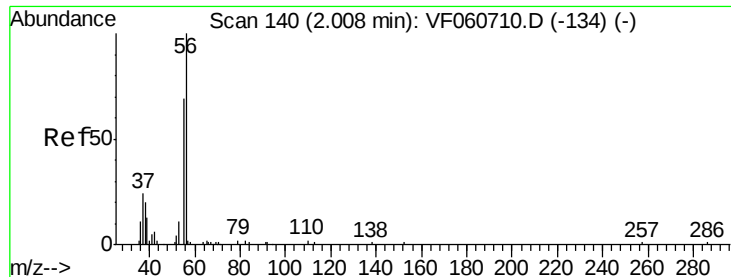
59 100

57 41.5 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 9.870 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

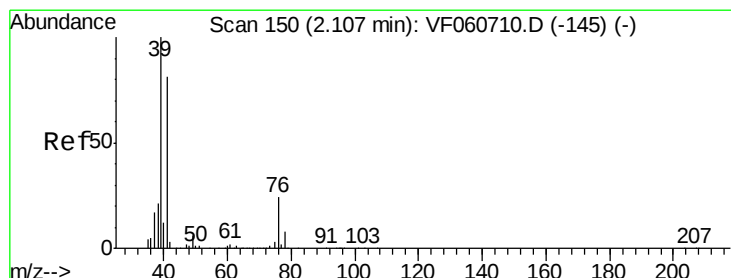
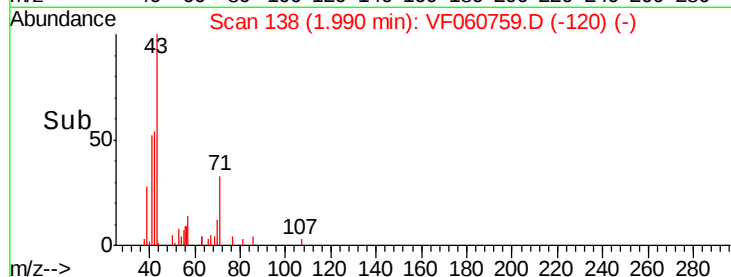
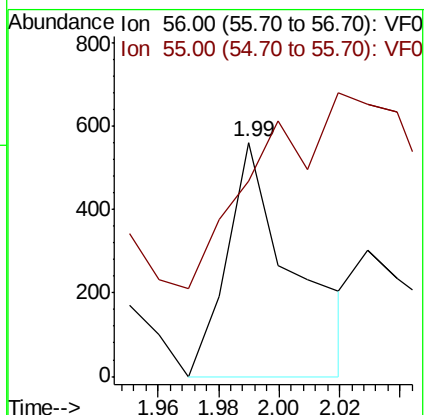
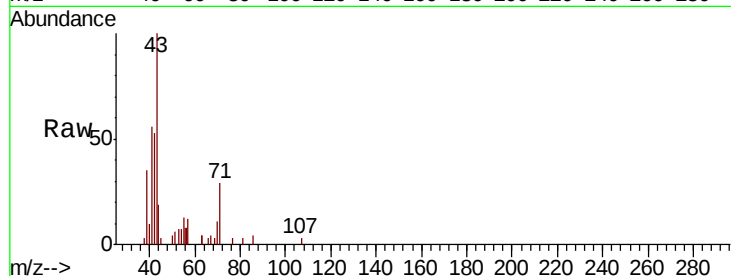
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 862

Ion Ratio Lower Upper

56 100

55 83.6 56.6 85.0



#14

Allyl chloride

Concen: 3.423 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.07 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

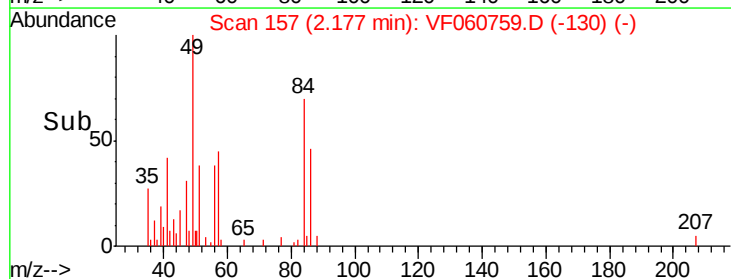
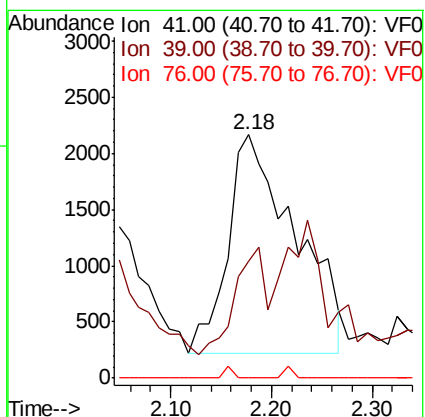
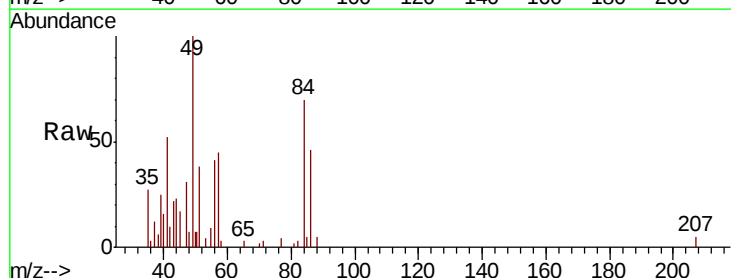
Tgt Ion: 41 Resp: 9003

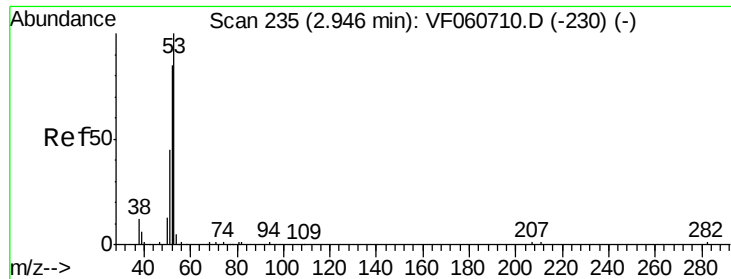
Ion Ratio Lower Upper

41 100

39 48.1 98.5 147.7#

76 0.0 24.5 36.7#





#15

Acrylonitrile

Concen: 3.513 ug/l

RT: 2.93 min Scan# 233

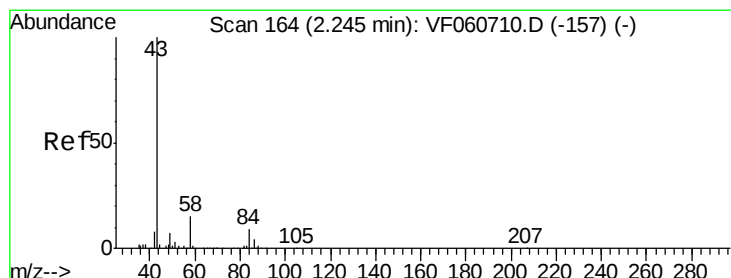
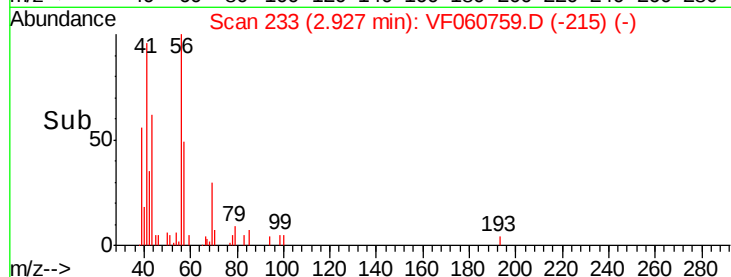
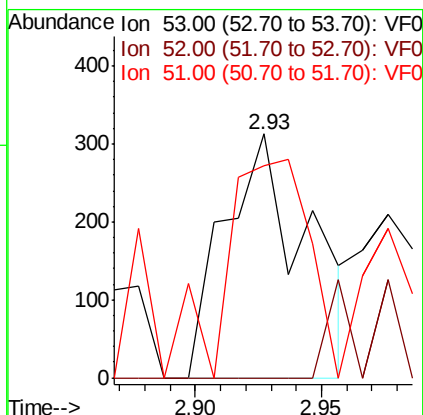
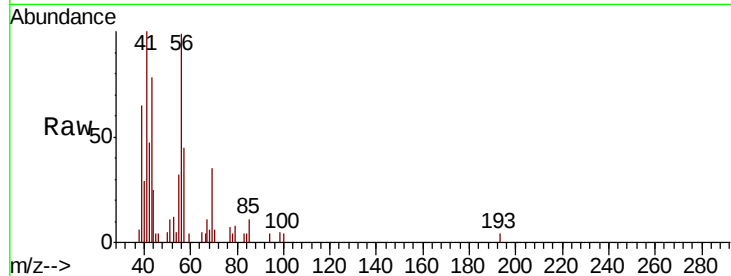
Delta R.T. -0.02 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	715
Ion	Ratio	Lower	Upper
53	100		
52	0.0	68.8	103.2#
51	86.9	36.7	55.1#



#16

Acetone

Concen: 88.950 ug/l

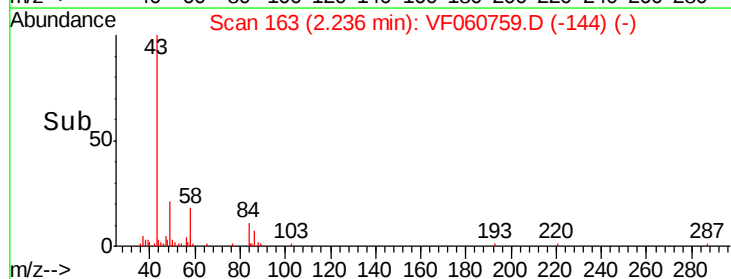
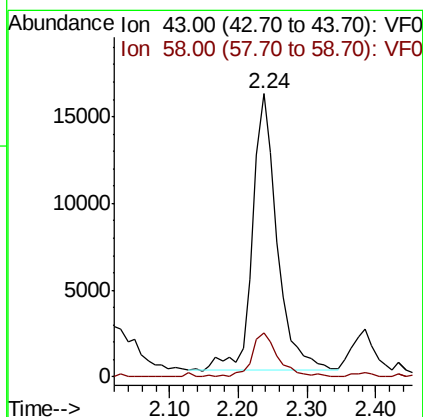
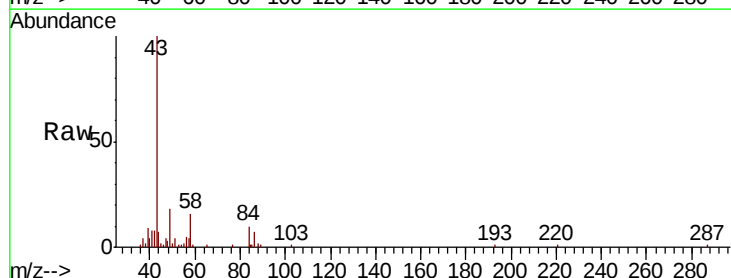
RT: 2.24 min Scan# 163

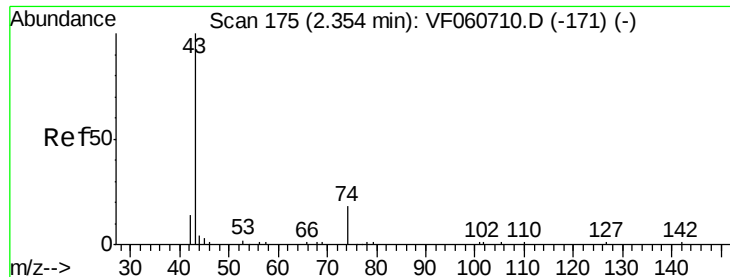
Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Tgt Ion:	43	Resp:	39903
Ion	Ratio	Lower	Upper
43	100		
58	15.7	11.6	17.4

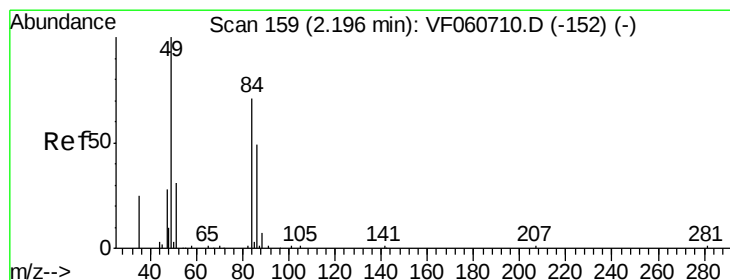
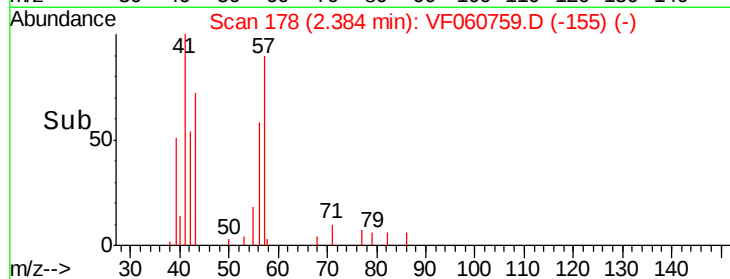
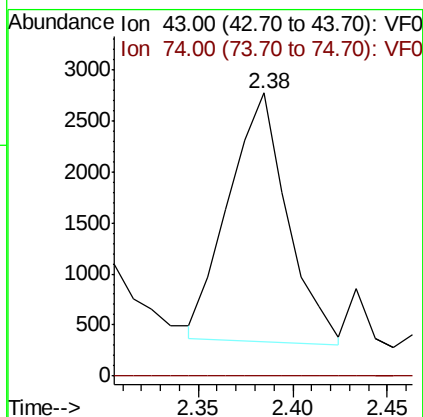
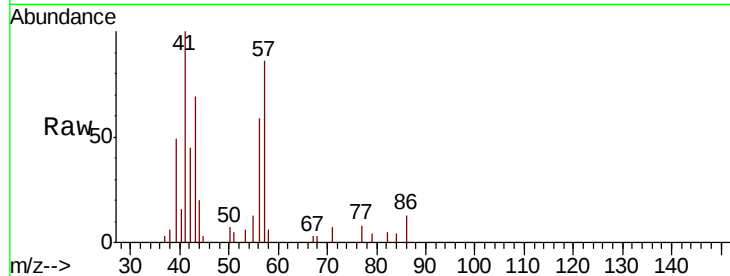




#18
Methyl Acetate
Concen: 7.074 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

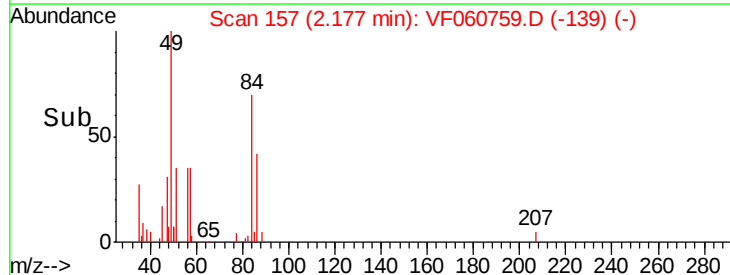
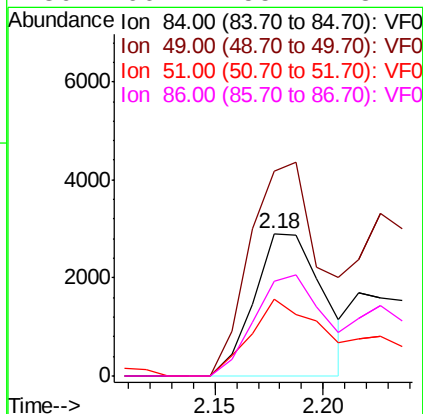
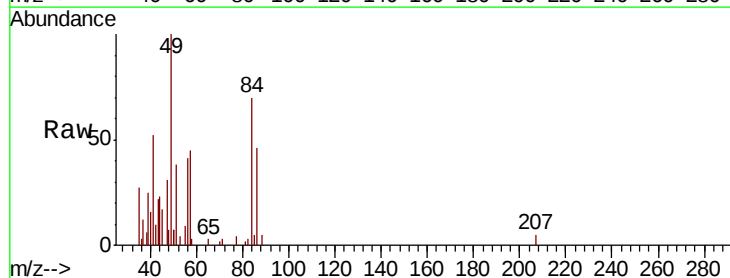
Instrument :
MSVOA_F
ClientSampled :

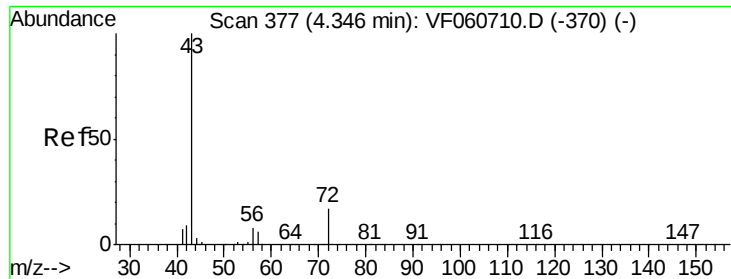
Tot Ion: 43 Resp: 5211
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 1.521 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 84 Resp: 6404
Ion Ratio Lower Upper
84 100
49 143.2 120.2 180.4
51 53.7 37.2 55.8
86 66.2 55.1 82.7





#25

2-Butanone

Concen: 38.142 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

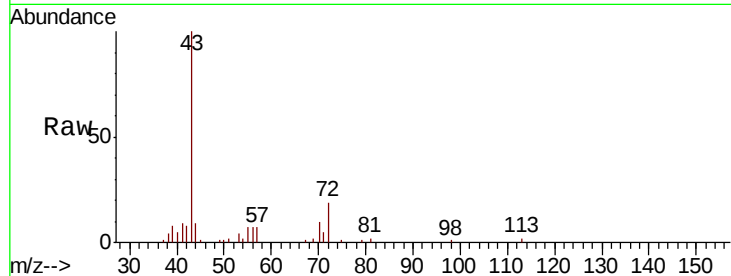
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 28144

Ion Ratio Lower Upper

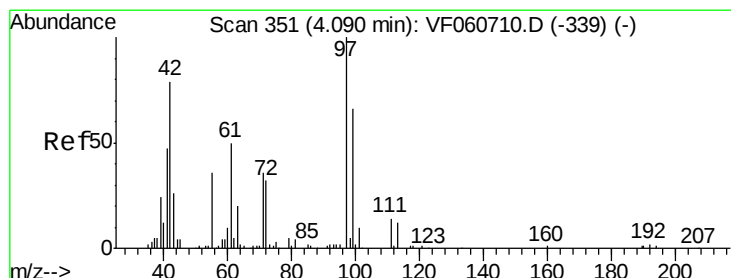
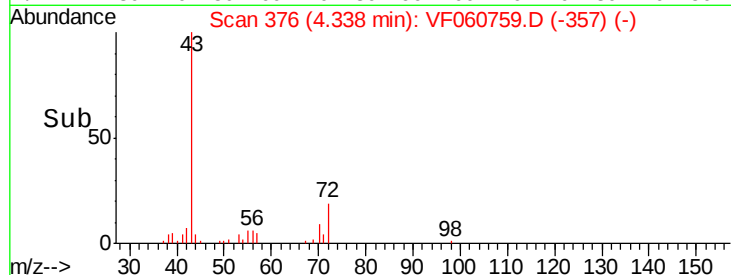
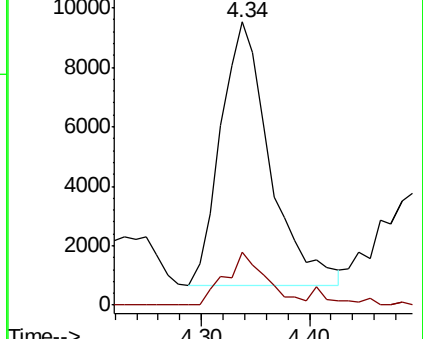
43 100

72 18.9 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 1.580 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.03 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

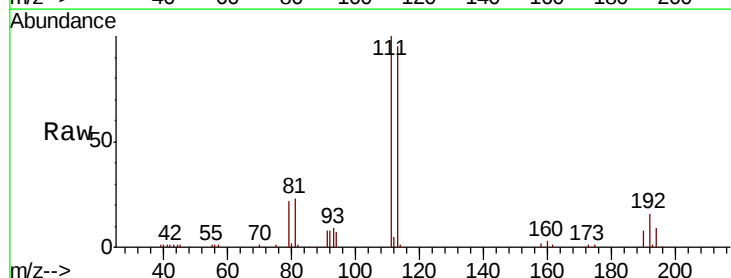
Tgt Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

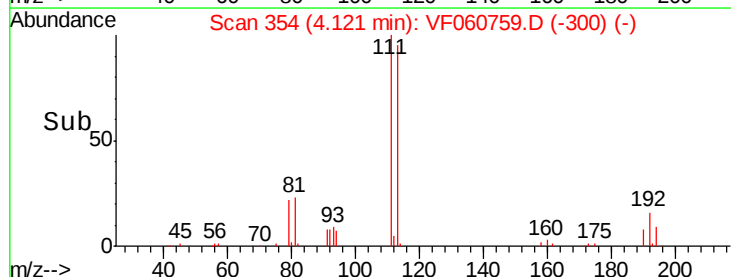
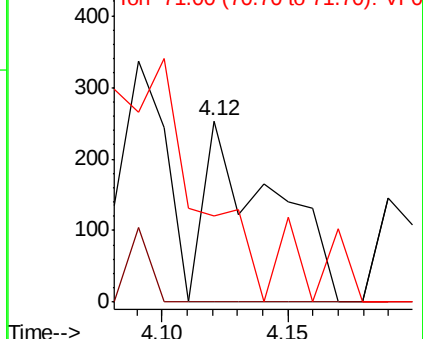
71 0.0 32.2 48.2#

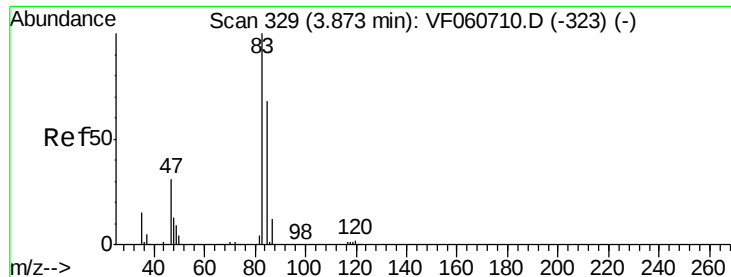


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

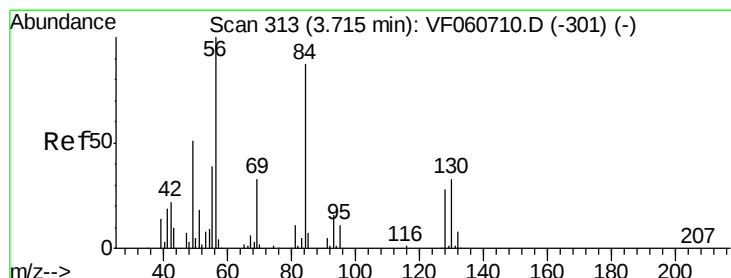
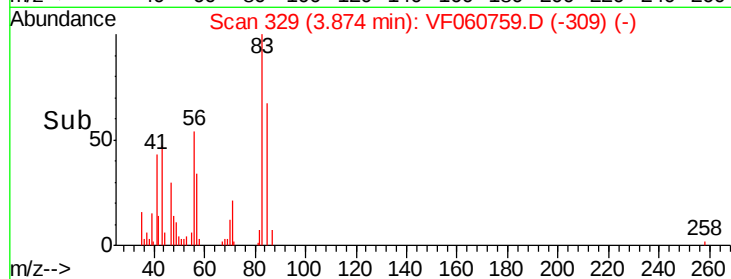
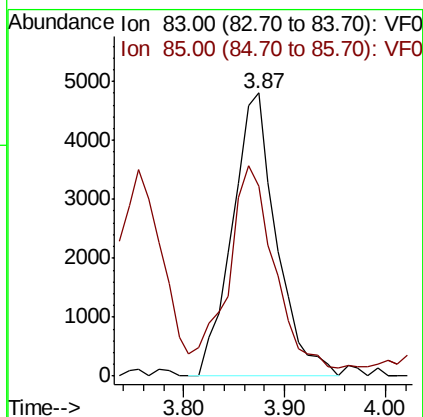
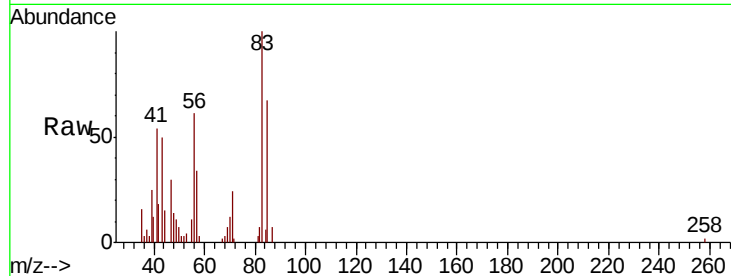




#30
Chloroform
Concen: 2.965 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

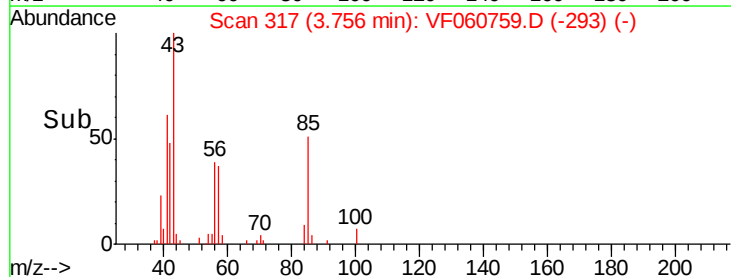
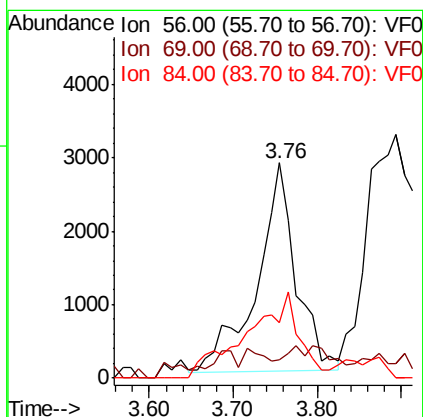
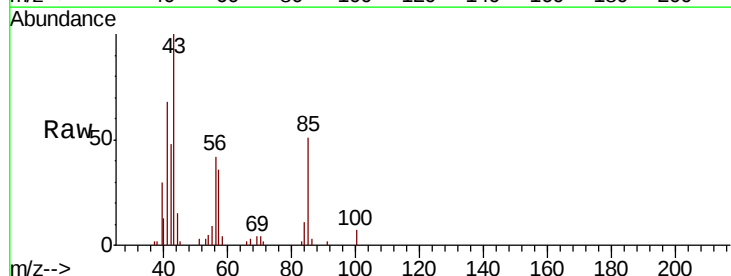
Instrument :
MSVOA_F
ClientSampleId :

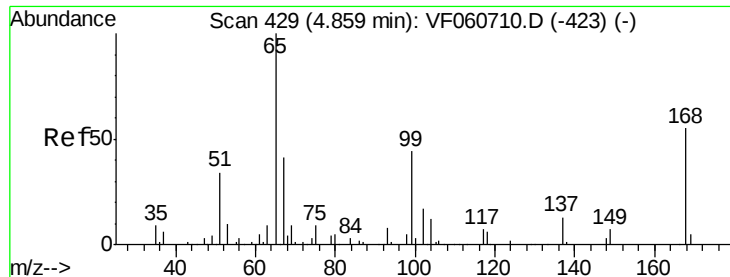
Tot Ion: 83 Resp: 14621
Ion Ratio Lower Upper
83 100
85 67.1 54.6 82.0



#31
Cyclohexane
Concen: 2.478 ug/l
RT: 3.76 min Scan# 317
Delta R.T. 0.04 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 56 Resp: 9243
Ion Ratio Lower Upper
56 100
69 8.7 26.0 39.0#
84 26.1 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 40.478 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

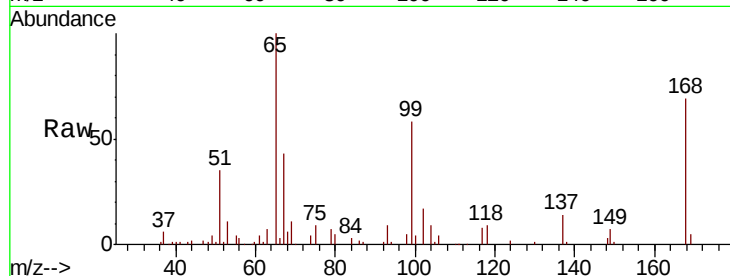
ClientSampleId :

Tot Ion: 65 Resp: 84954

Ion Ratio Lower Upper

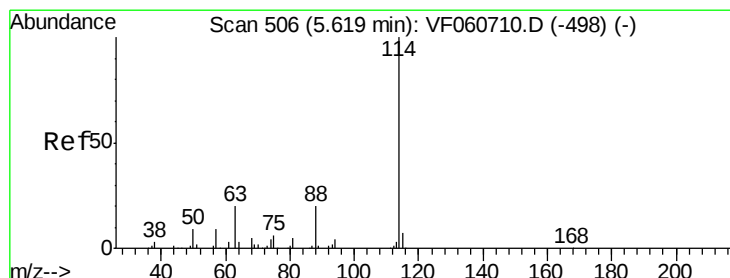
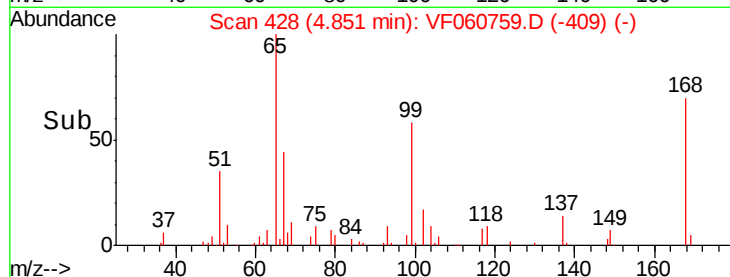
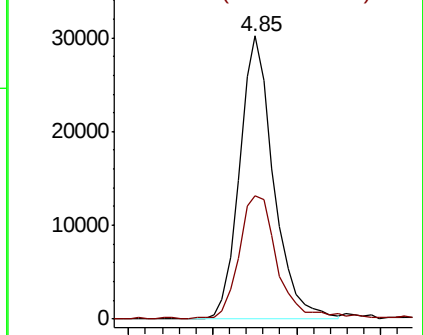
65 100

67 43.5 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

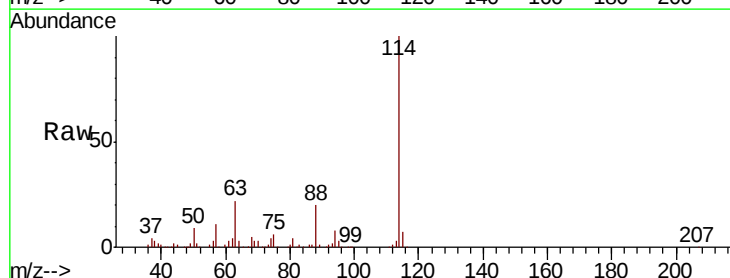
Tgt Ion: 114 Resp: 311399

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

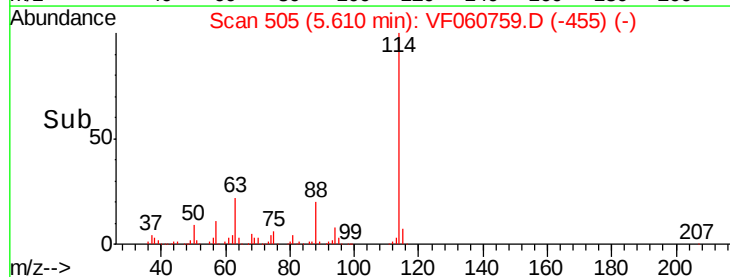
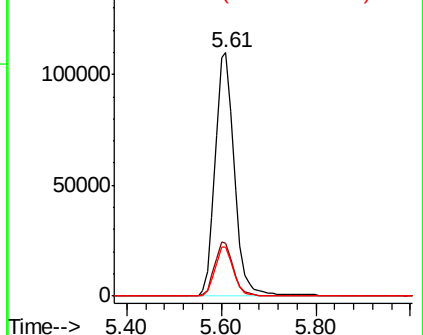
88 19.9 0.0 39.6

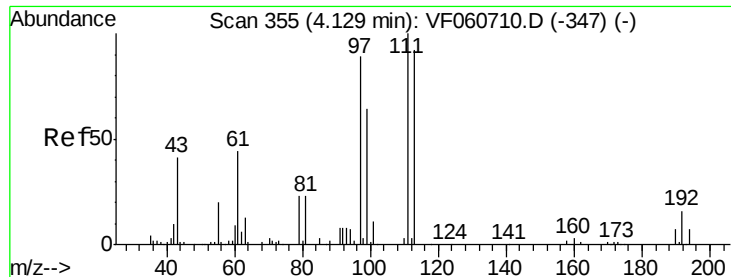


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

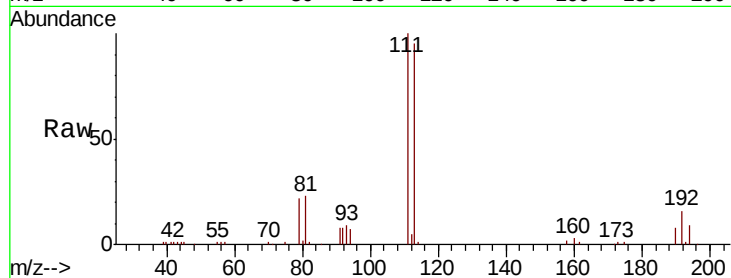




#35
Dibromofluoromethane
Concen: 39.410 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	87.1	130.7
192	17.6	13.8	20.6

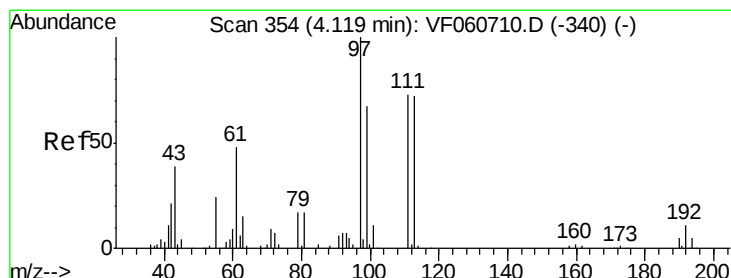
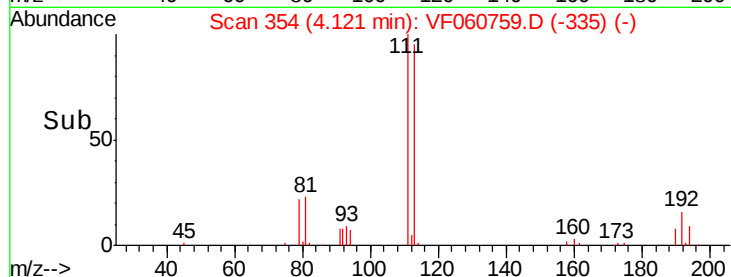
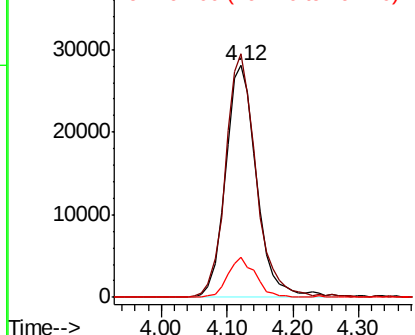


Abundance

Ion 113.00 (112.70 to 113.70): V

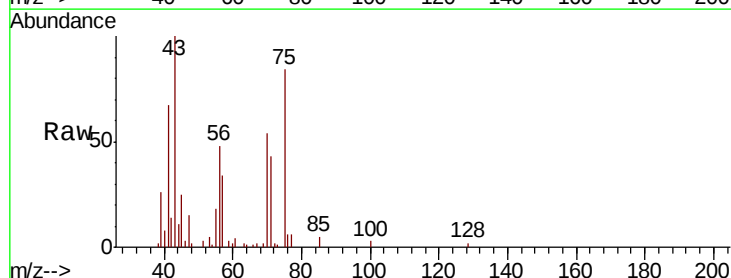
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37
Ethyl Acetate
Concen: 19.323 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.10 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.4	98.5	147.7#
70	54.5	7.4	11.0#

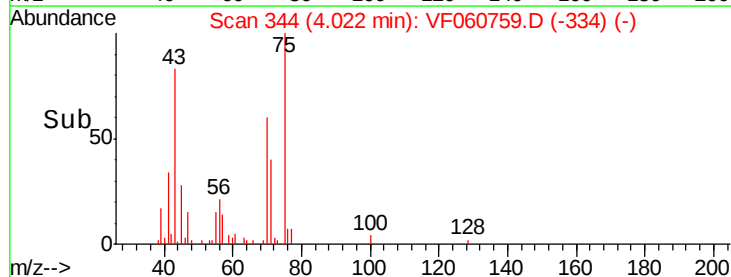
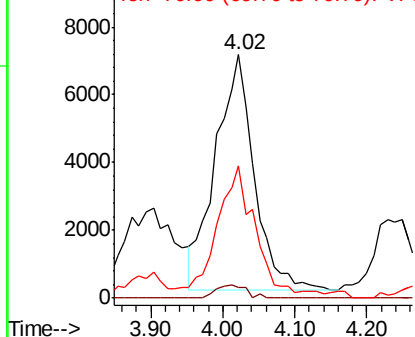


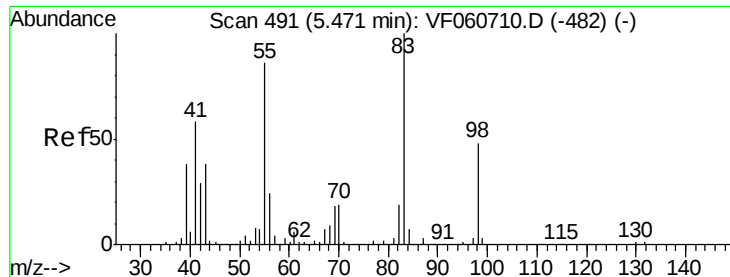
Abundance

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

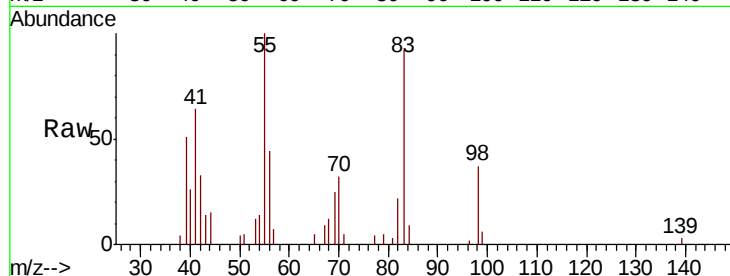




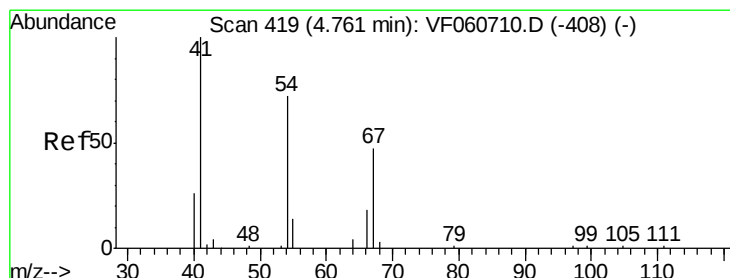
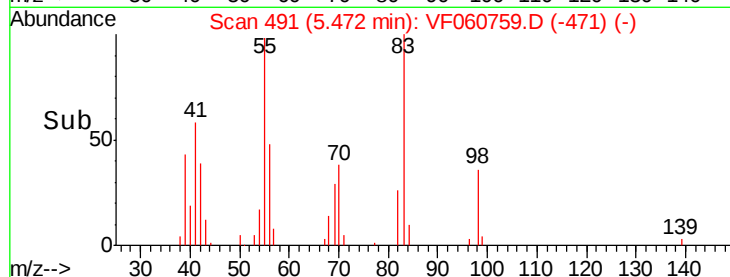
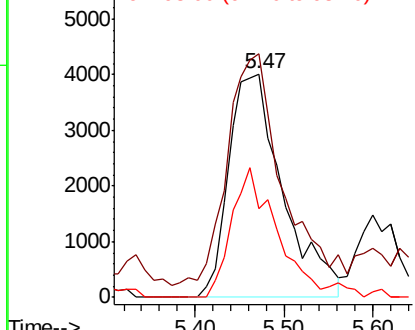
#39
Methylcyclohexane
Concen: 4.061 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 83 Resp: 17013
Ion Ratio Lower Upper
83 100
55 108.9 69.0 103.4#
98 39.9 38.5 57.7

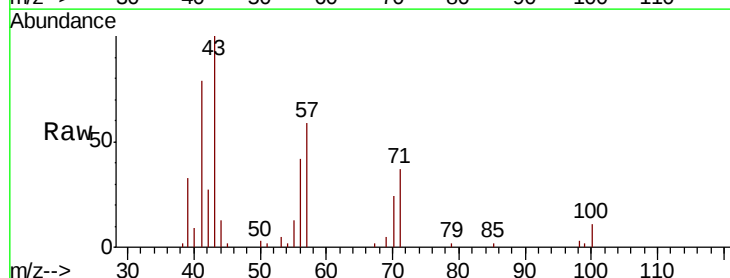


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

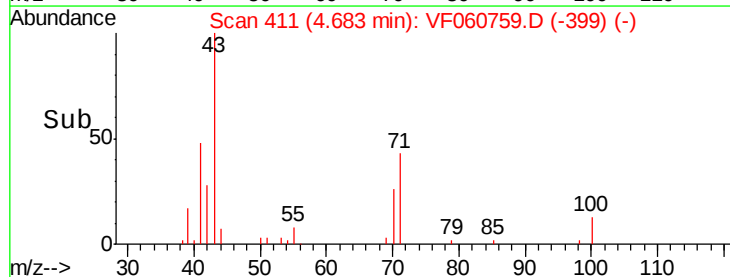
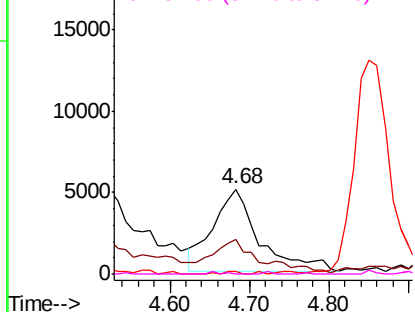


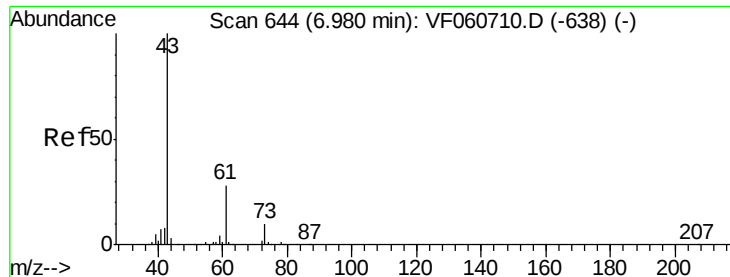
#41
Methacrylonitrile
Concen: 26.131 ug/l
RT: 4.68 min Scan# 411
Delta R.T. -0.08 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 41 Resp: 20186
Ion Ratio Lower Upper
41 100
39 41.5 47.1 70.7#
67 2.3 37.1 55.7#
52 0.0 39.3 58.9#



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





#43

Isopropyl Acetate

Concen: 44.453 ug/l

RT: 6.82 min Scan# 628

Delta R.T. -0.16 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampleId :

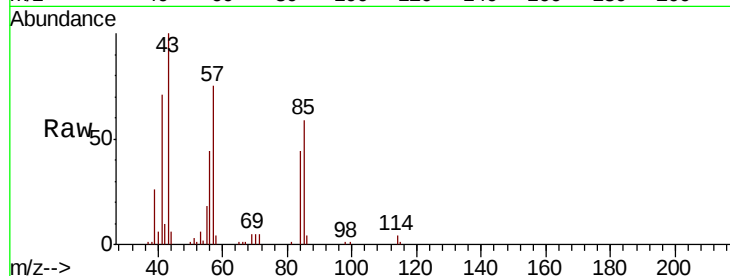
Tot Ion: 43 Resp: 79136

Ion Ratio Lower Upper

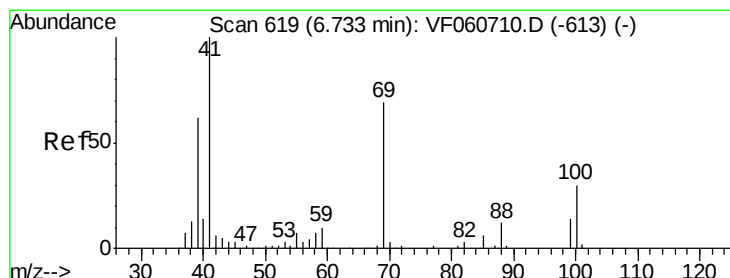
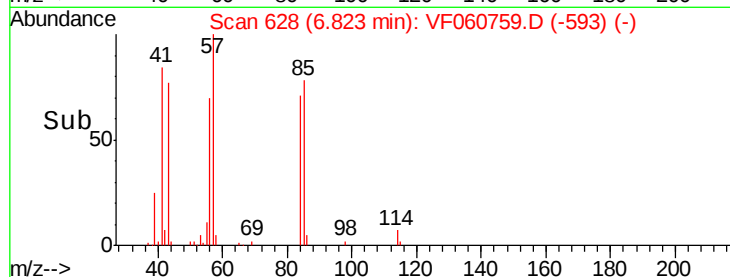
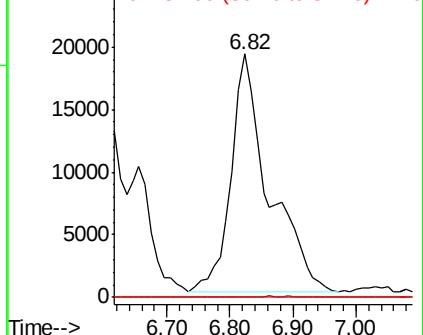
43 100

61 0.0 22.2 33.4#

87 0.0 0.4 0.6#



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



#48

Methyl methacrylate

Concen: 36.425 ug/l

RT: 6.82 min Scan# 628

Delta R.T. 0.09 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

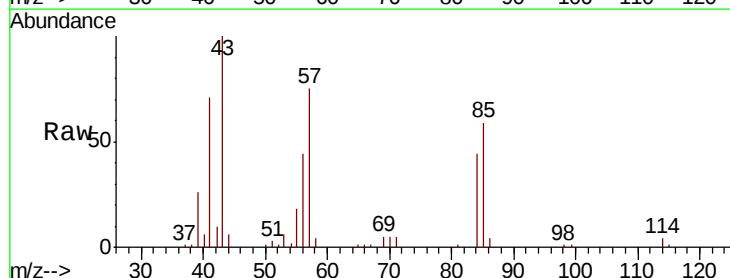
Tgt Ion: 41 Resp: 42915

Ion Ratio Lower Upper

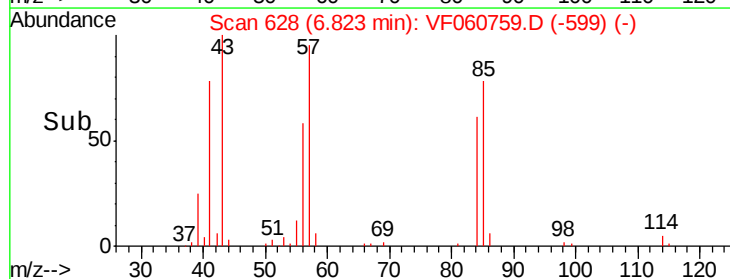
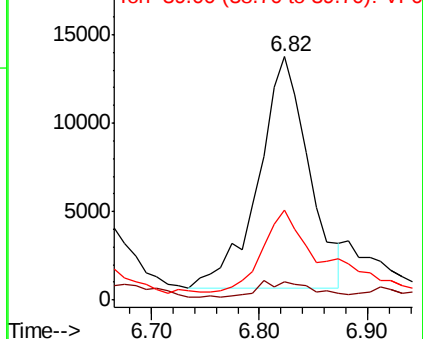
41 100

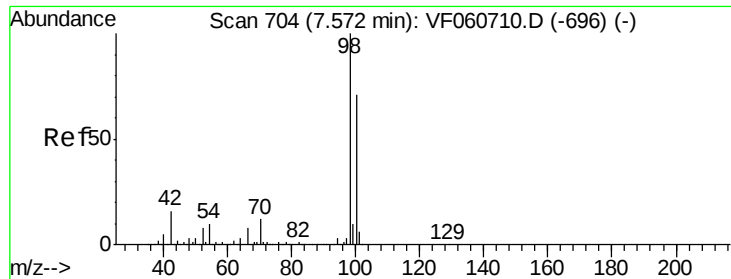
69 7.4 54.9 82.3#

39 37.1 49.6 74.4#



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

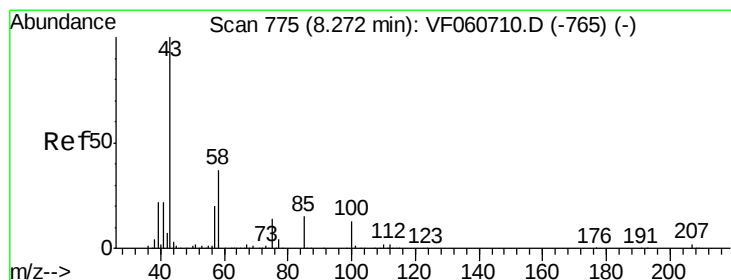
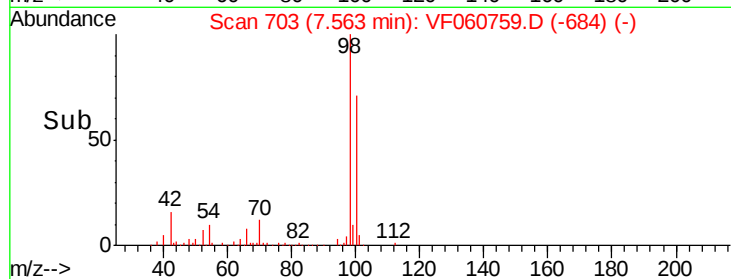
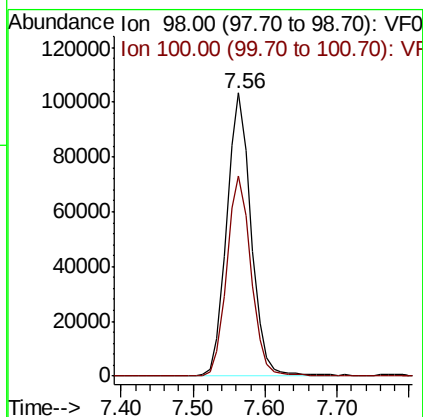
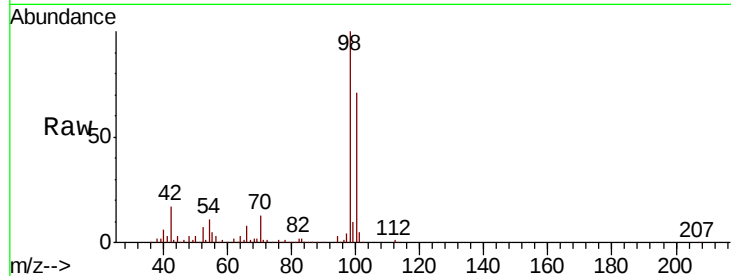




#50
Toluene-d8
Concen: 39.788 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

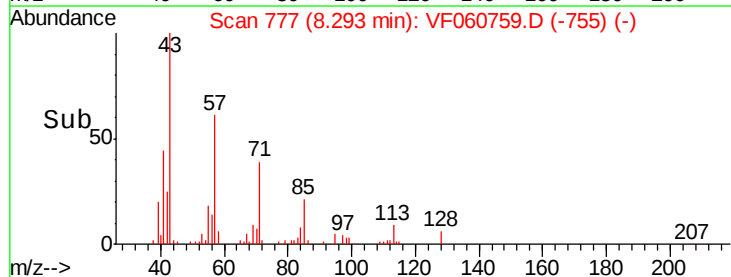
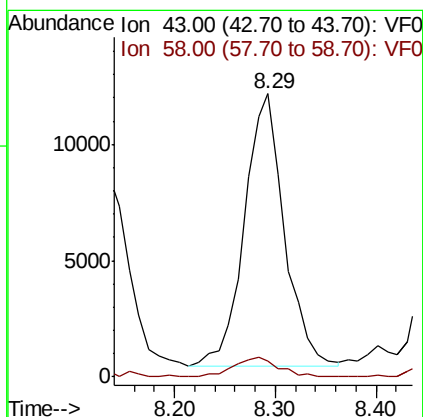
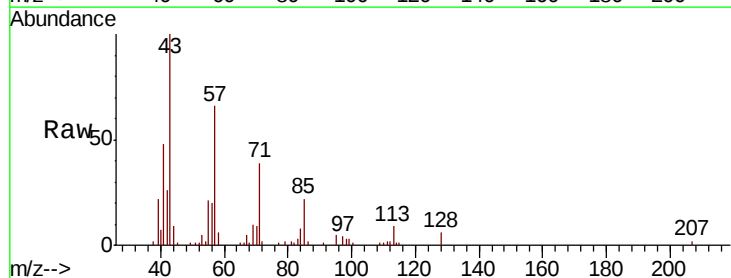
Instrument :
MSVOA_F
ClientSampled :

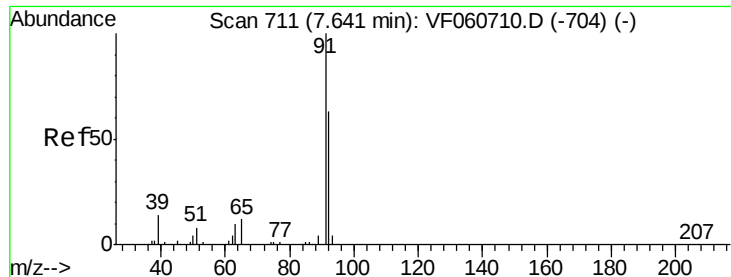
Tot Ion: 98 Resp: 243505
Ion Ratio Lower Upper
98 100
100 70.8 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 25.209 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.02 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 43 Resp: 32457
Ion Ratio Lower Upper
43 100
58 5.6 29.2 43.8#





#52

Toluene

Concen: 2.828 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

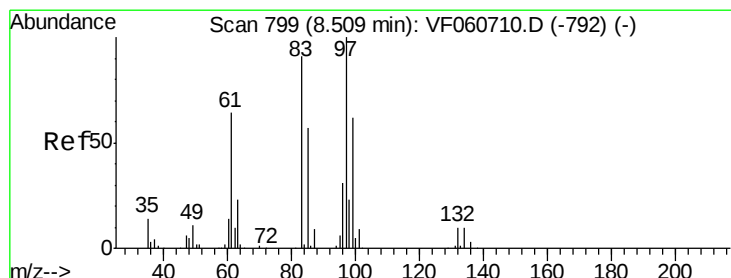
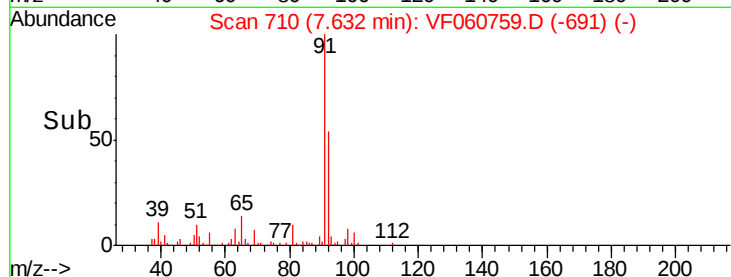
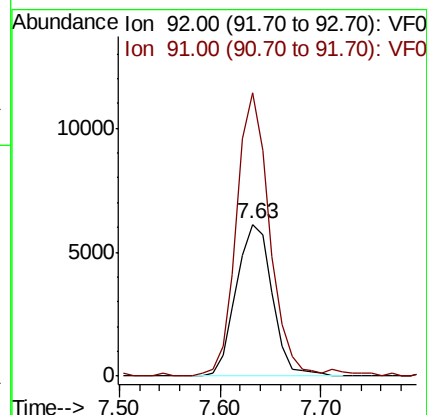
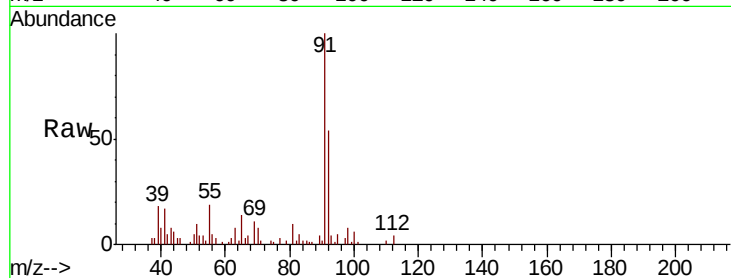
ClientSampled :

Tot Ion: 92 Resp: 15255

Ion Ratio Lower Upper

92 100

91 186.2 126.7 190.1



#55

1,1,2-Trichloroethane

Concen: 4.875 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.11 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Tgt Ion: 97 Resp: 7515

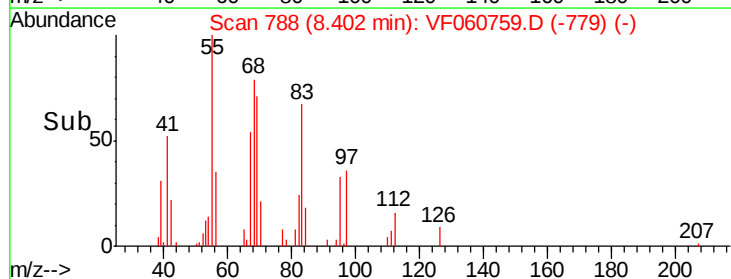
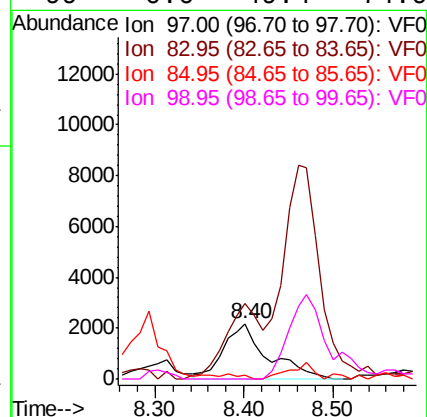
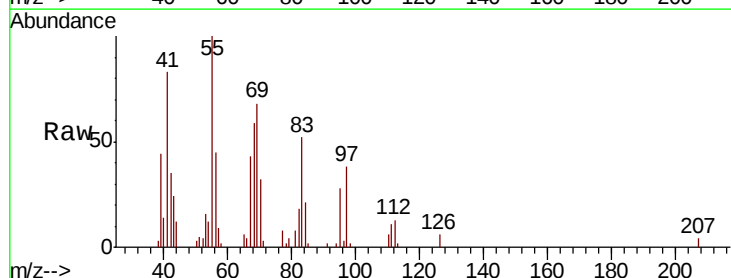
Ion Ratio Lower Upper

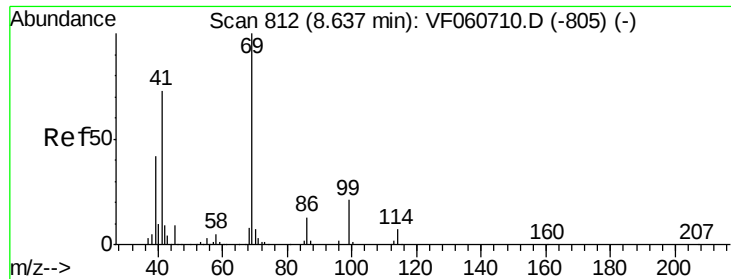
97 100

83 135.6 72.8 109.2#

85 5.9 45.8 68.6#

99 0.0 49.4 74.0#





#56

Ethyl methacrylate

Concen: 12.177 ug/l

RT: 8.63 min Scan# 811

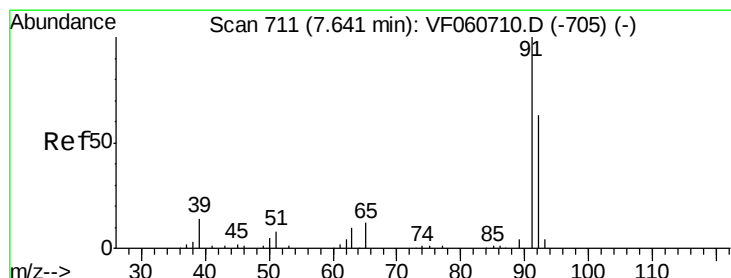
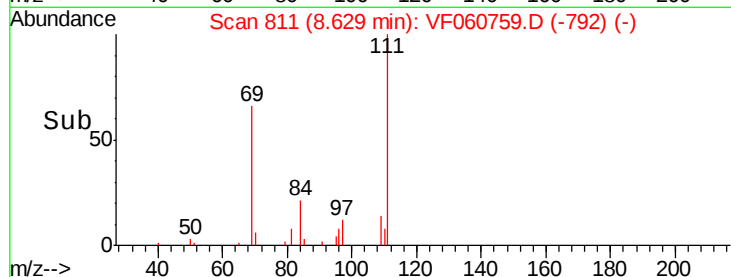
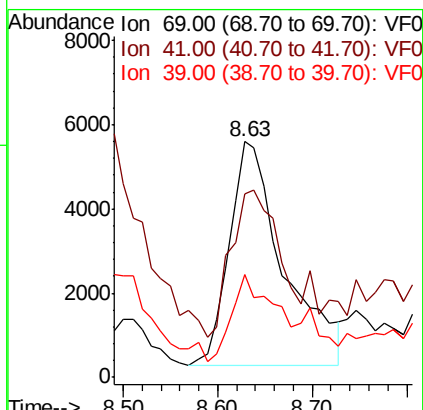
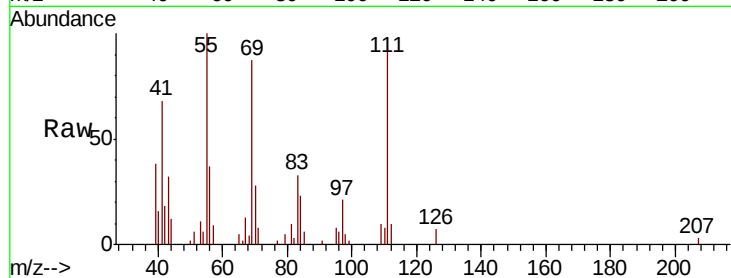
Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	69	Resp:	21316
Ion	Ratio	Lower	Upper
69	100		
41	78.0	59.0	88.6
39	43.4	34.0	51.0



#58

2-Chloroethyl Vinyl ether

Concen: 17.009 ug/l

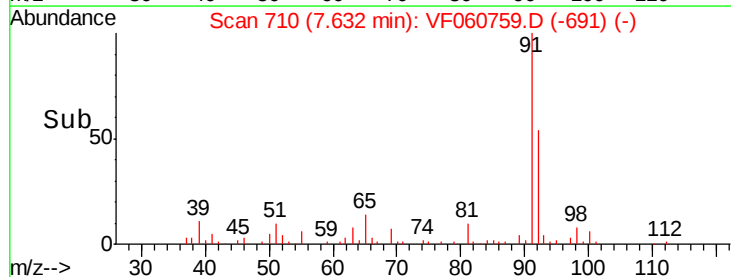
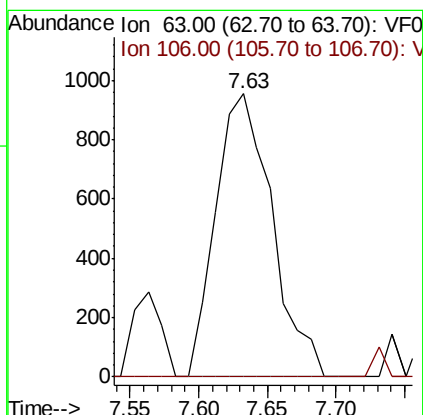
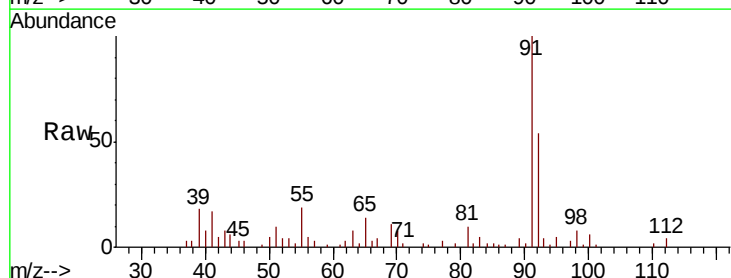
RT: 7.63 min Scan# 710

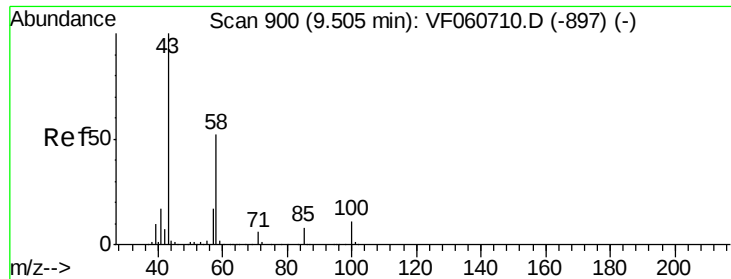
Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Tgt Ion:	63	Resp:	2720
Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





#59

2-Hexanone

Concen: 17.699 ug/l

RT: 9.53 min Scan# 902

Delta R.T. 0.02 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

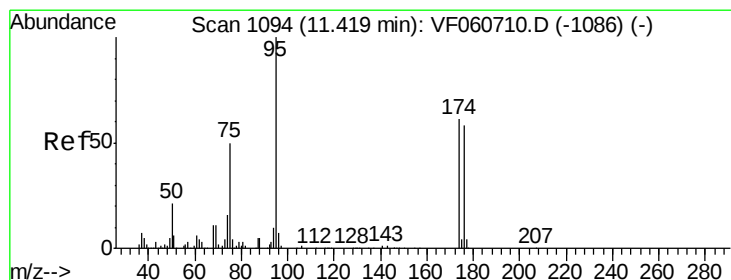
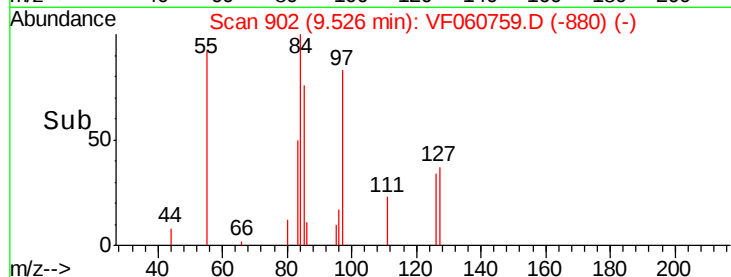
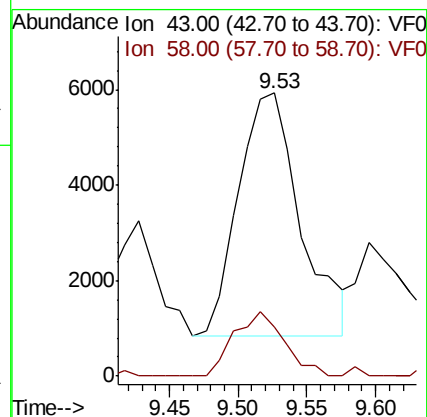
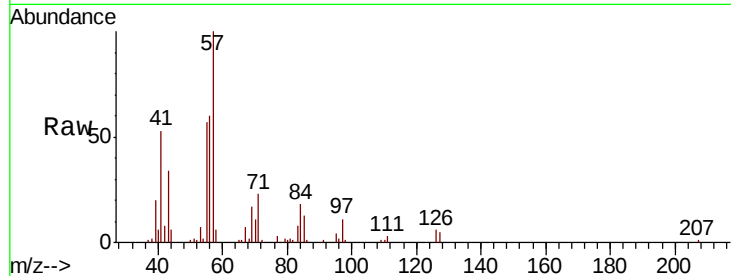
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 16015

Ion Ratio Lower Upper

43 100

58 17.4 24.9 74.7#



#62

4-Bromofluorobenzene

Concen: 40.605 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

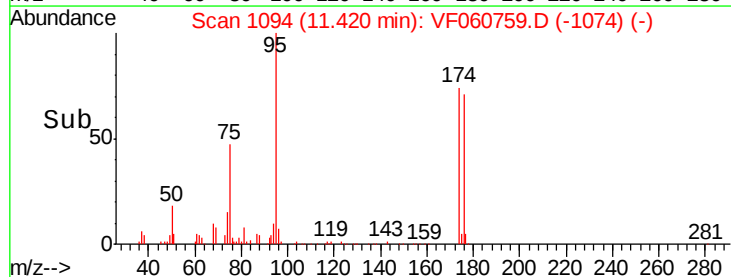
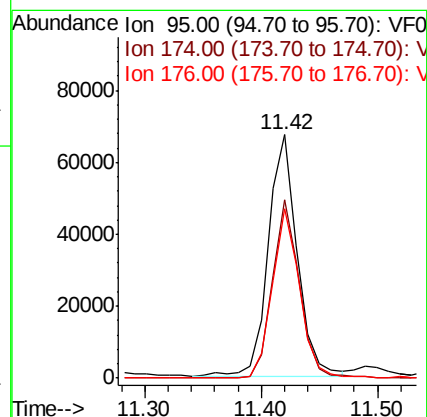
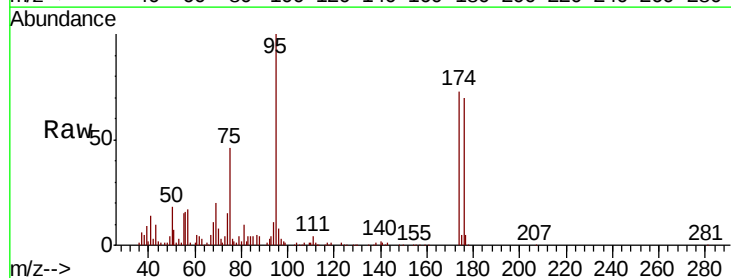
Tgt Ion: 95 Resp: 114581

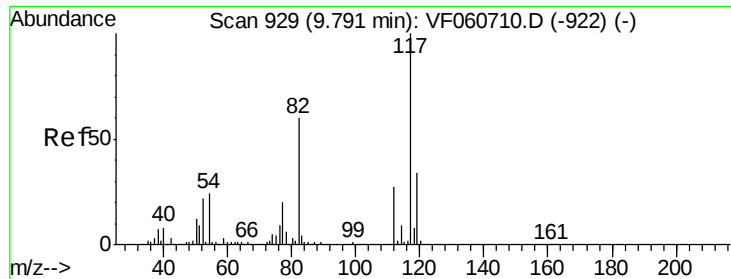
Ion Ratio Lower Upper

95 100

174 73.4 0.0 121.6

176 69.7 0.0 115.2

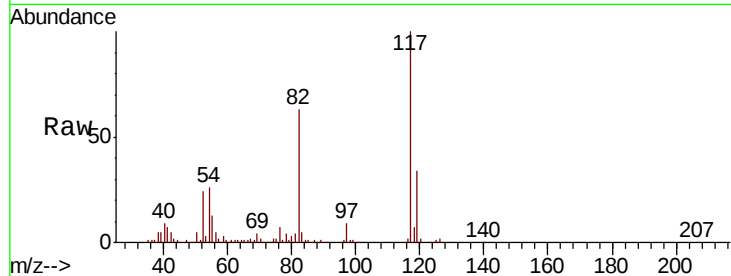




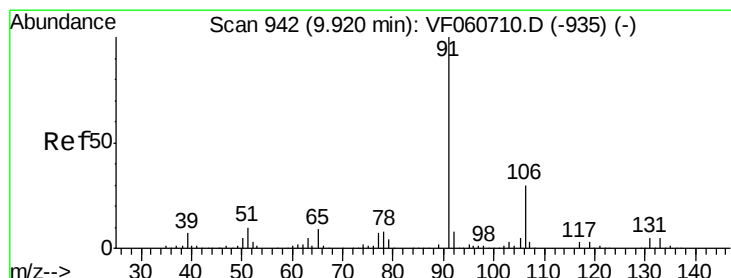
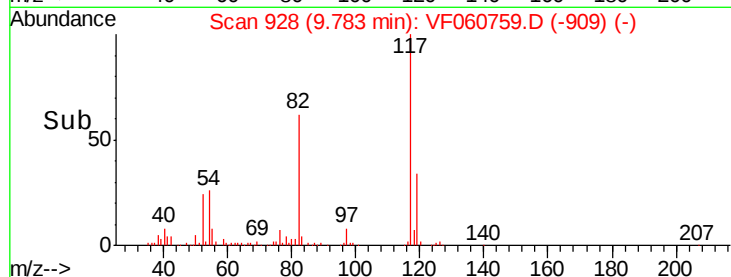
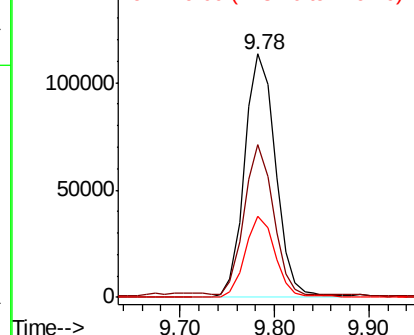
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 258894
Ion Ratio Lower Upper
117 100
82 62.6 47.9 71.9
119 33.5 26.8 40.2

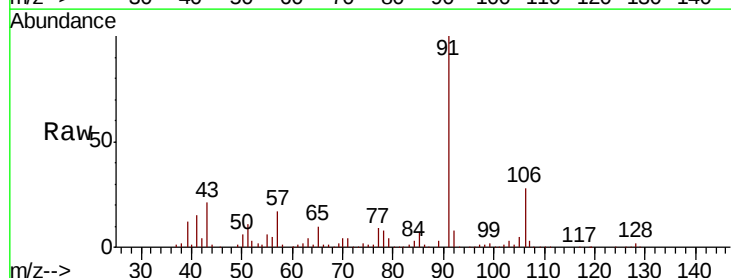


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

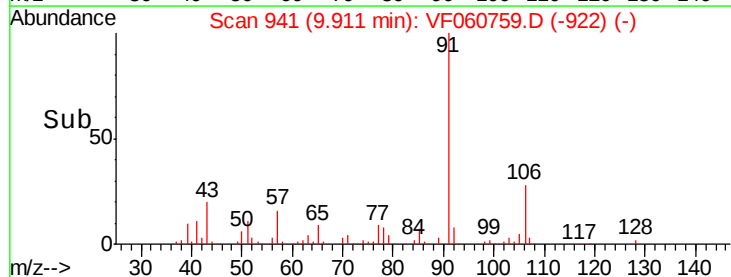
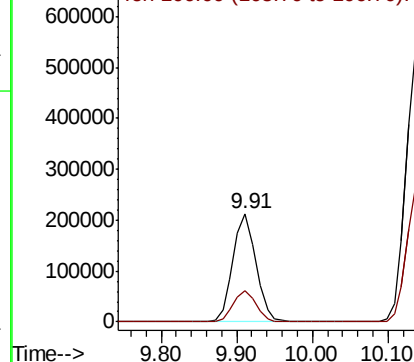


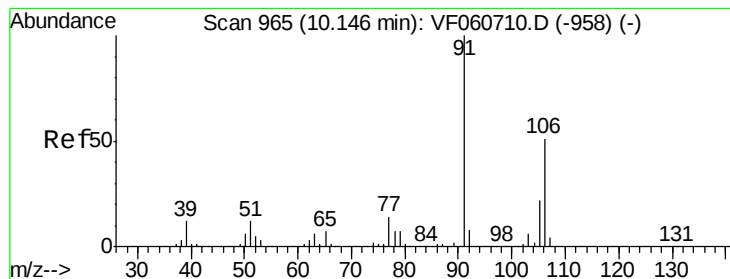
#67
Ethyl Benzene
Concen: 46.174 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 91 Resp: 454699
Ion Ratio Lower Upper
91 100
106 28.3 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 180.323 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

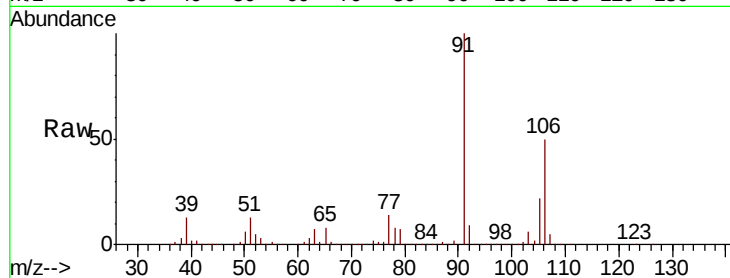
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 634597

Ion Ratio Lower Upper

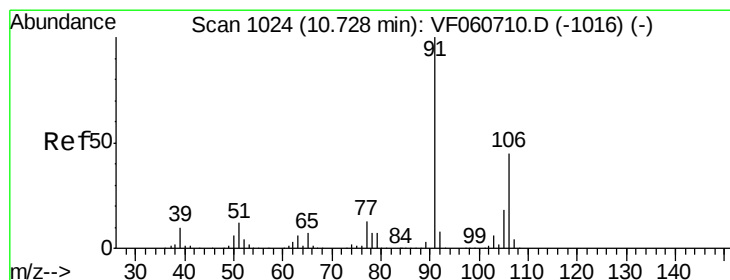
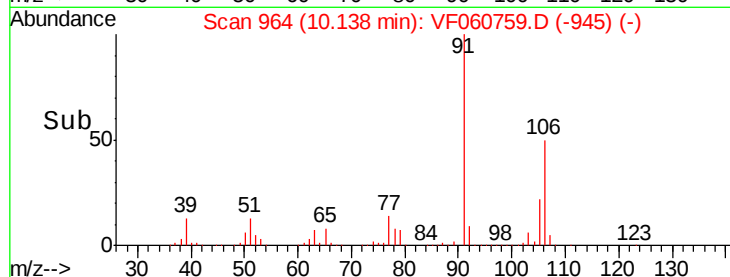
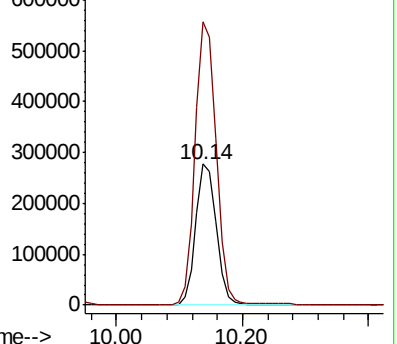
106 100

91 201.0 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 44.053 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VF060759.D

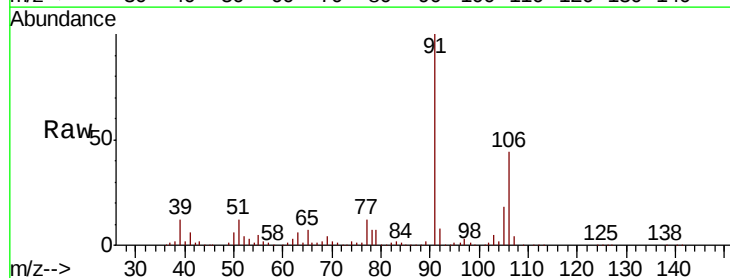
Acq: 15 Nov 2018 21:08

Tgt Ion:106 Resp: 174301

Ion Ratio Lower Upper

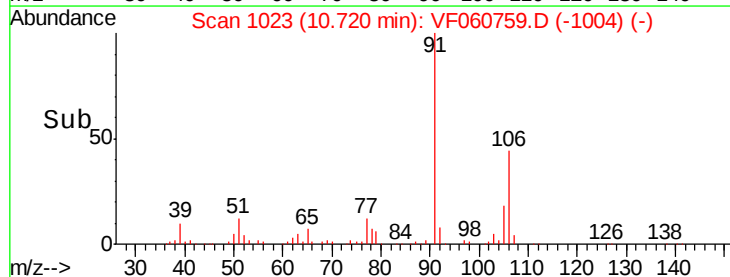
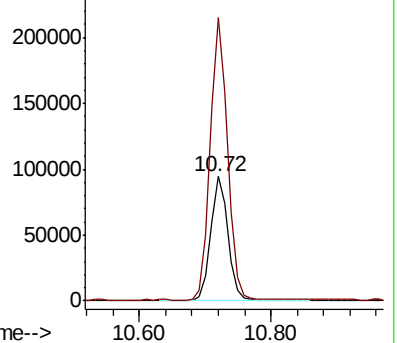
106 100

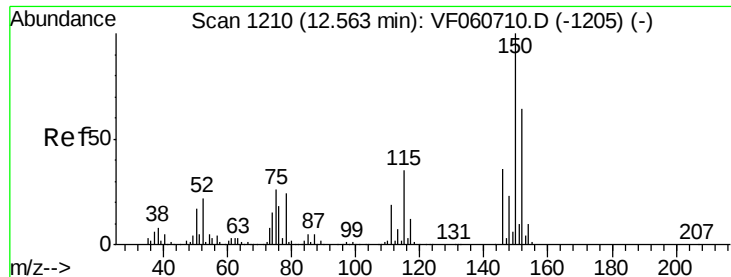
91 228.2 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



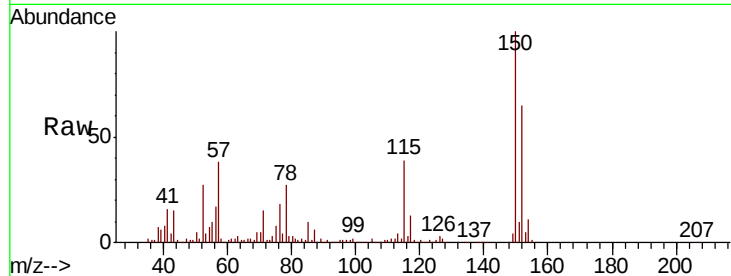


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	27.9	83.7
150	153.7	0.0	316.4

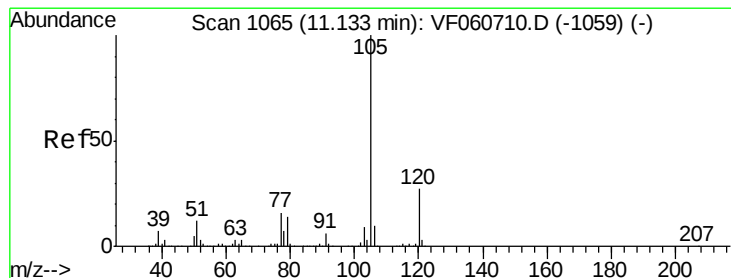
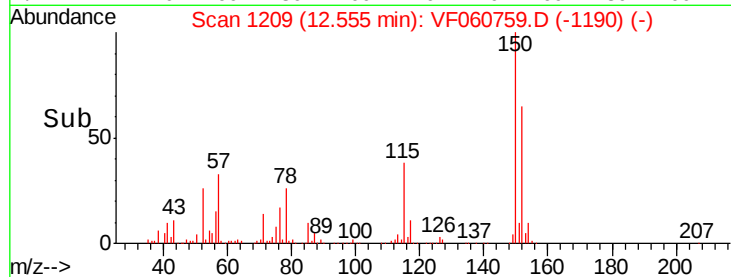
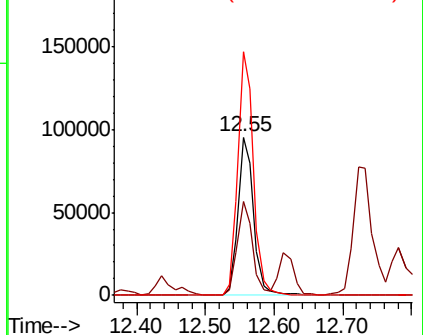


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

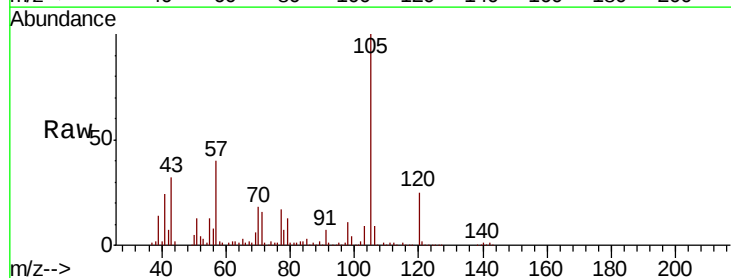
Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene
Concen: 15.260 ug/l
RT: 11.13 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

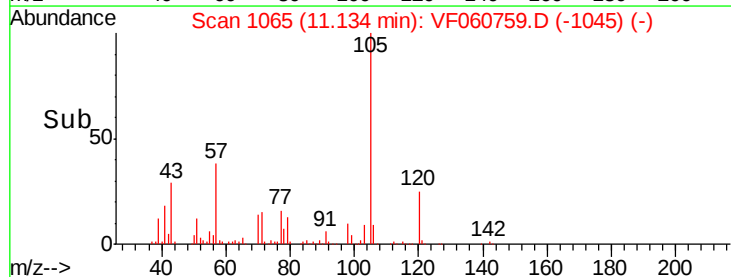
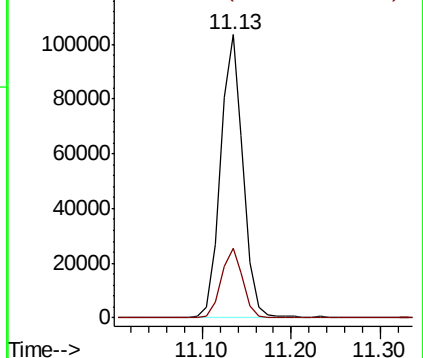
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	13.4	40.1

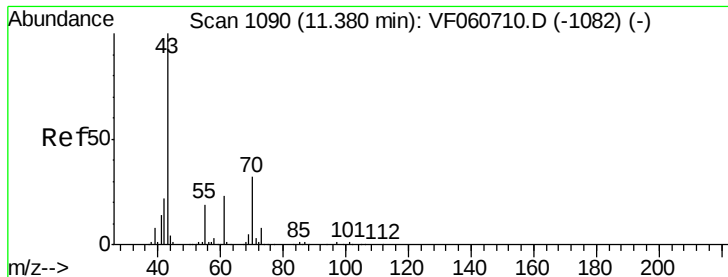


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 7.276 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 19960

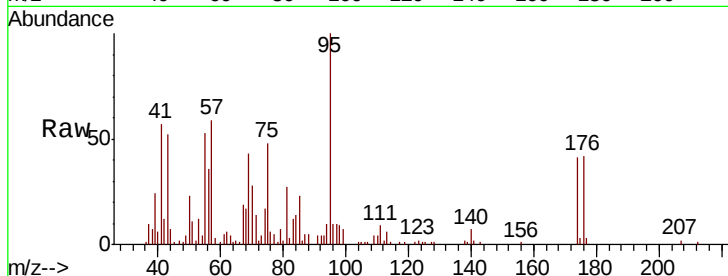
Ion Ratio Lower Upper

43 100

70 53.6 25.5 38.3#

55 102.6 14.9 22.3#

61 9.3 18.6 27.8#

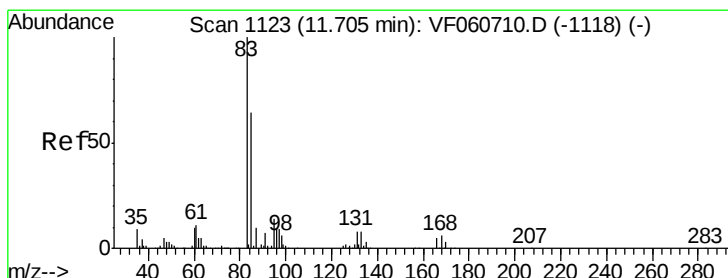
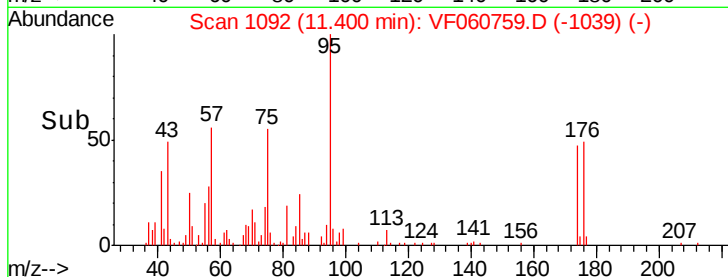
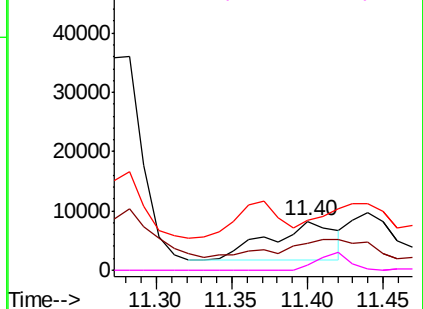


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 5.782 ug/l

RT: 11.67 min Scan# 1119

Delta R.T. -0.04 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

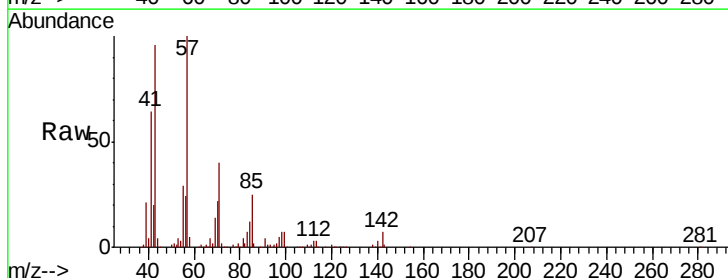
Tgt Ion: 83 Resp: 11520

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

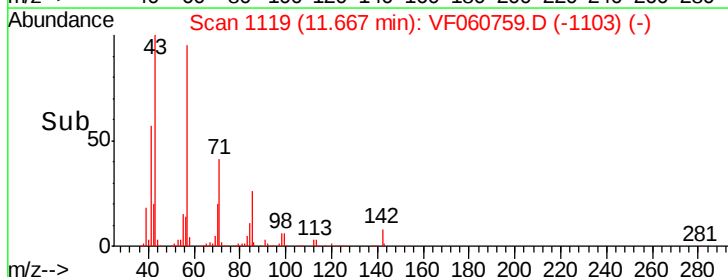
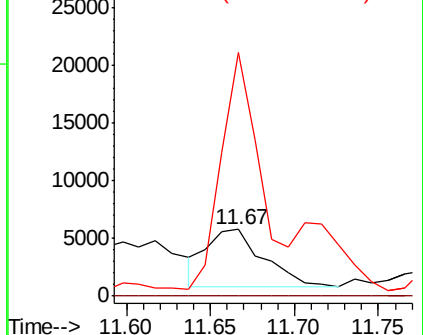
85 364.1 32.0 96.2#

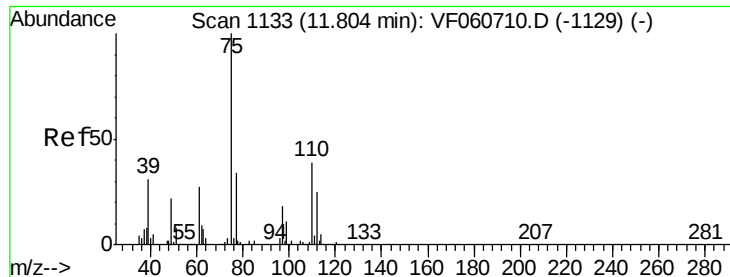


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

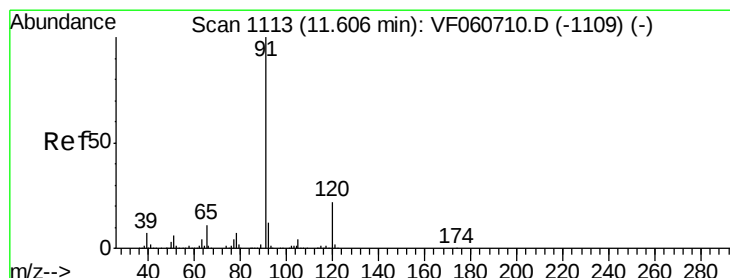
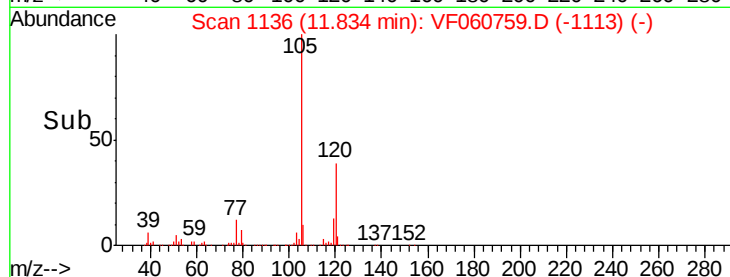
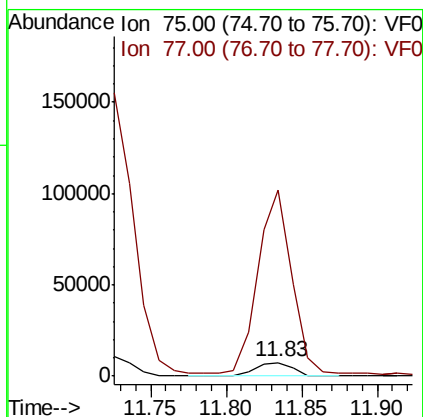
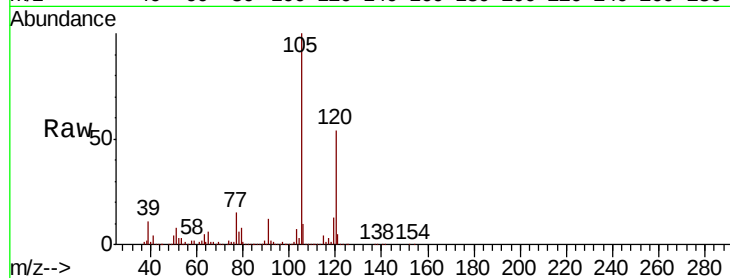




#76
 1,2,3-Trichloropropane
 Concen: 8.852 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. 0.03 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

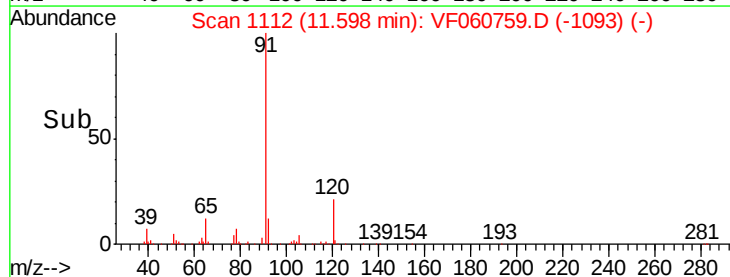
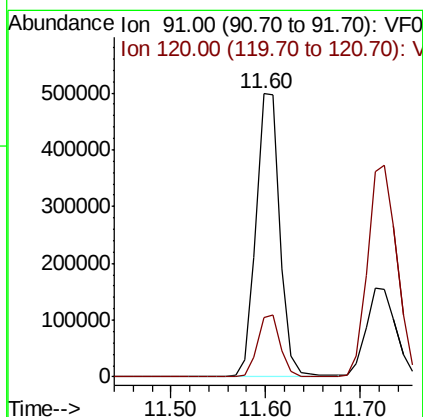
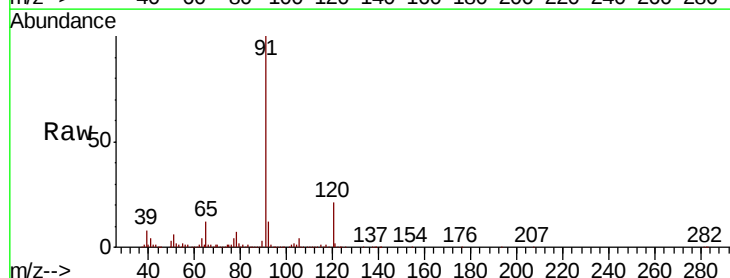
Instrument :
 MSVOA_F
 ClientSampleId :

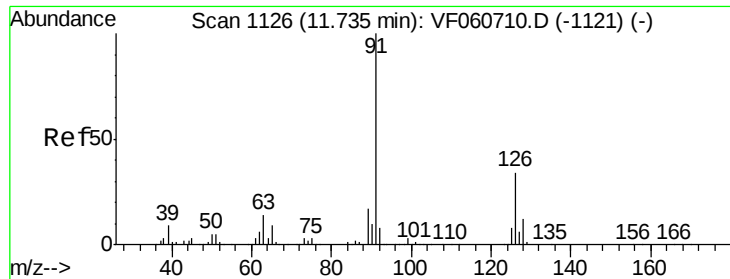
Tot Ion: 75 Resp: 13098
 Ion Ratio Lower Upper
 75 100
 77 1352.0 17.0 51.0#



#78
 n-propylbenzene
 Concen: 62.397 ug/l
 RT: 11.60 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

Tgt Ion: 91 Resp: 876992
 Ion Ratio Lower Upper
 91 100
 120 20.9 11.2 33.5

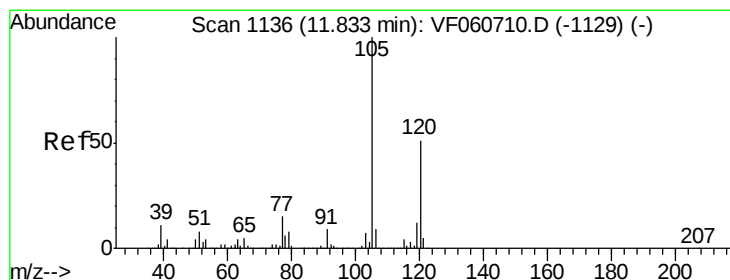
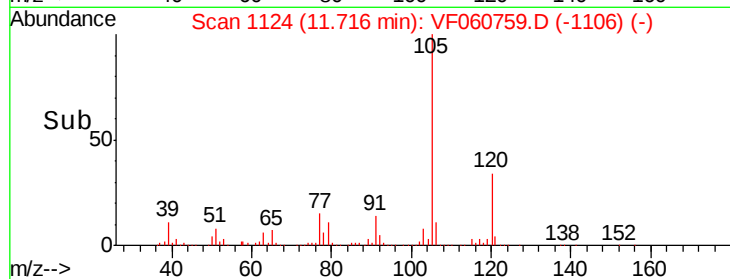
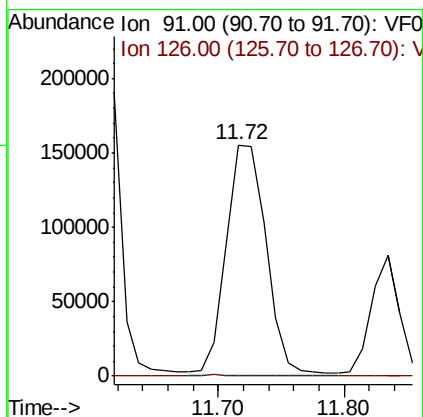
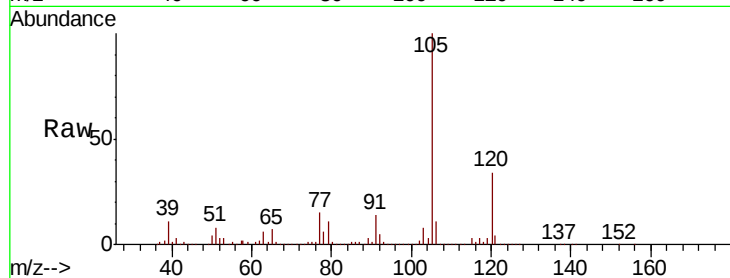




#79
 2-Chlorotoluene
 Concen: 41.366 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.02 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

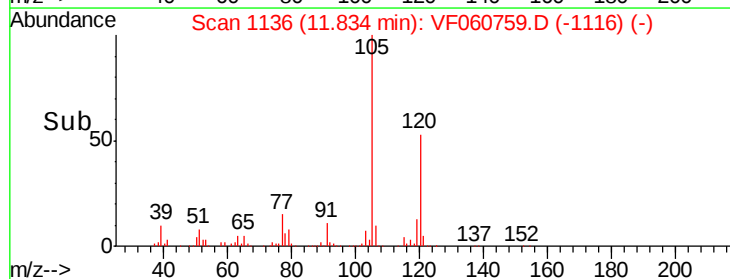
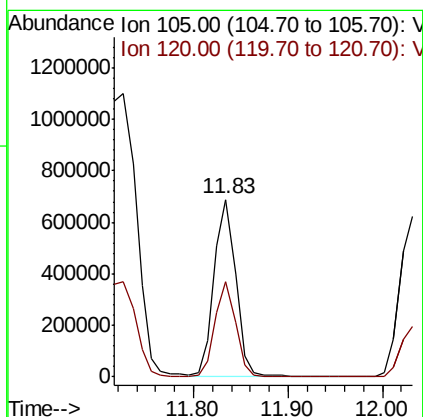
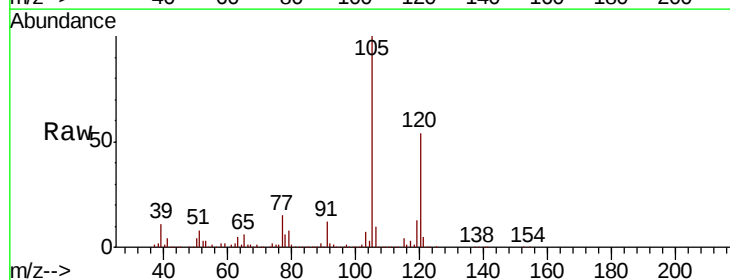
Instrument :
 MSVOA_F
 ClientSampleId :

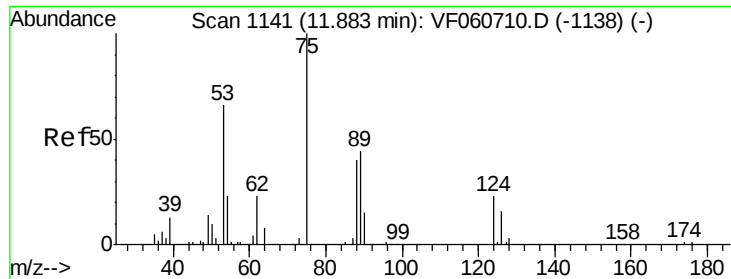
Tot Ion: 91 Resp: 337914
 Ion Ratio Lower Upper
 91 100
 126 0.1 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 115.591 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

Tgt Ion: 105 Resp: 1105926
 Ion Ratio Lower Upper
 105 100
 120 53.7 25.6 76.8

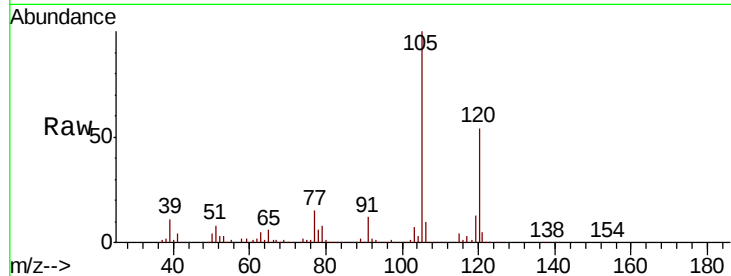




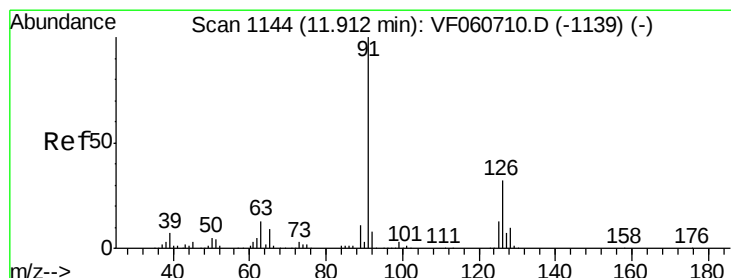
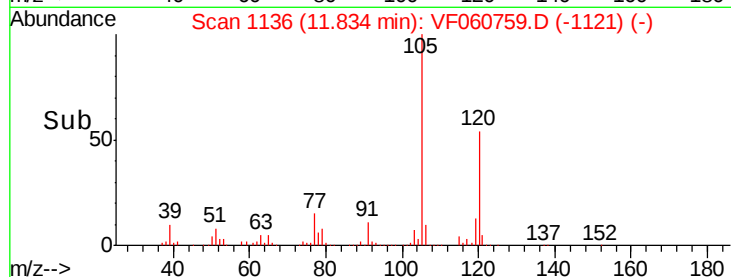
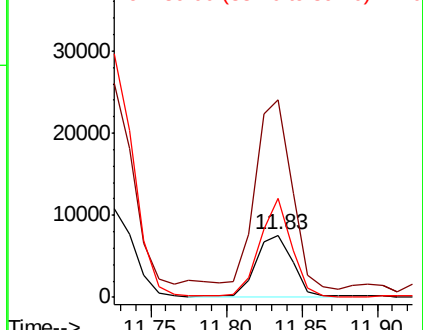
#81
trans-1,4-Dichloro-2-butene
Concen: 18.017 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.05 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 13098
Ion Ratio Lower Upper
75 100
53 317.2 57.0 85.4#
89 160.1 37.8 56.8#

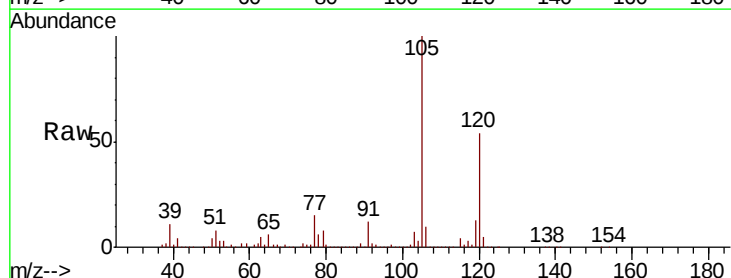


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

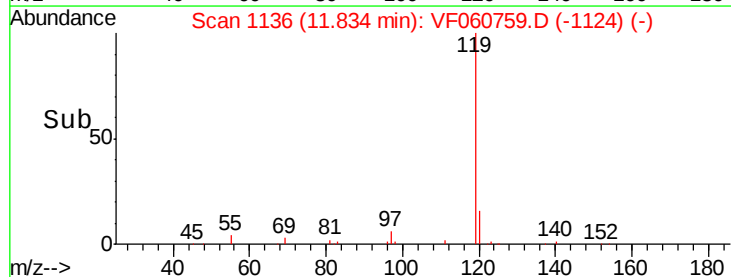
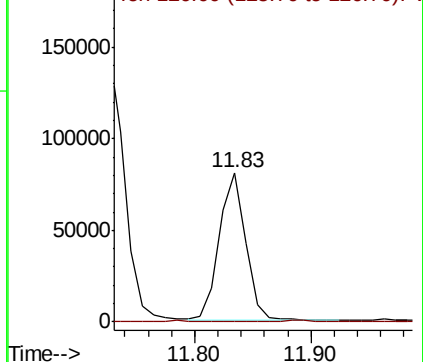


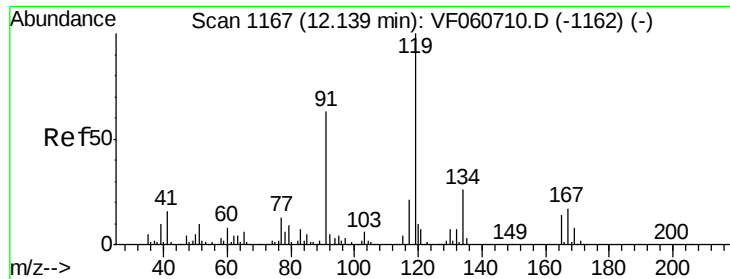
#82
4-Chlorotoluene
Concen: 15.001 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.08 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 91 Resp: 125540
Ion Ratio Lower Upper
91 100
126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

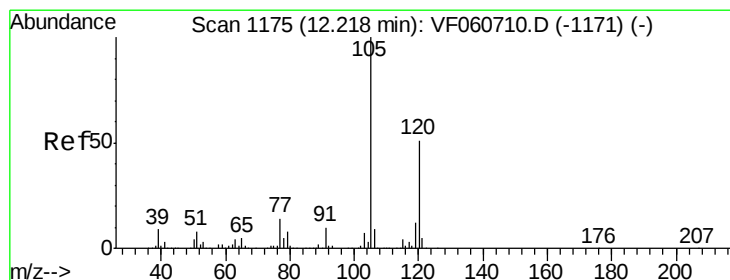
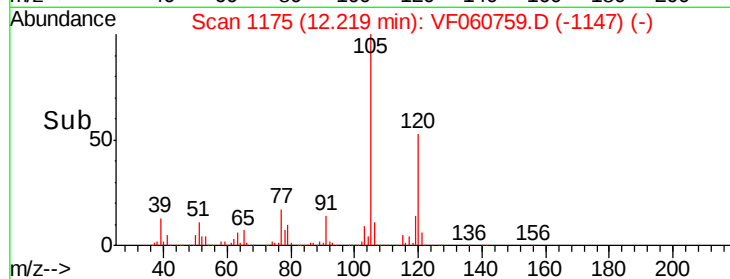
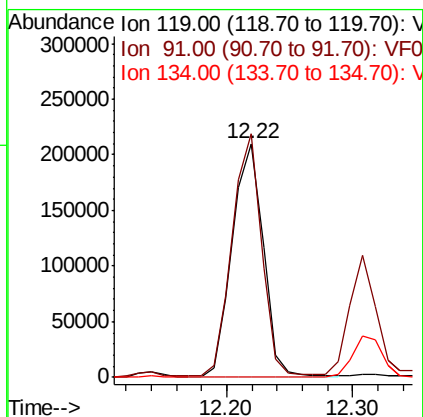
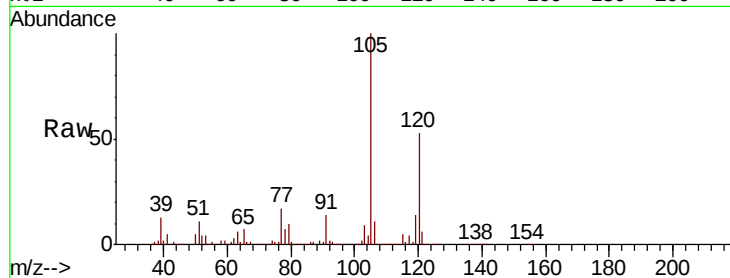




#83
 tert-Butylbenzene
 Concen: 35.294 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.08 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

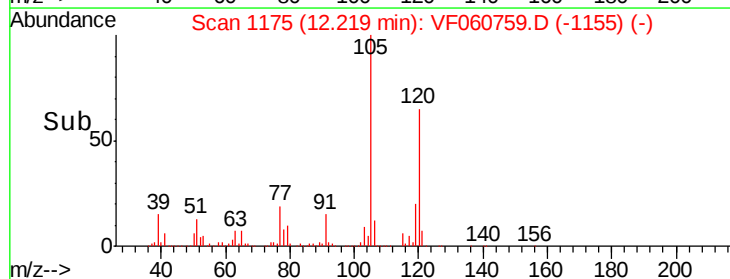
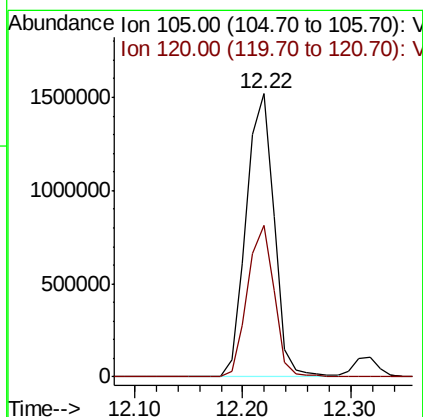
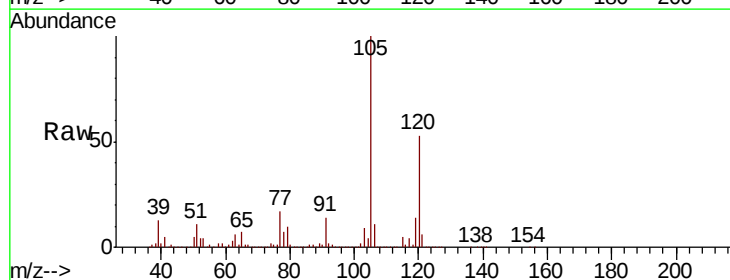
Instrument :
 MSVOA_F
 ClientSampleId :

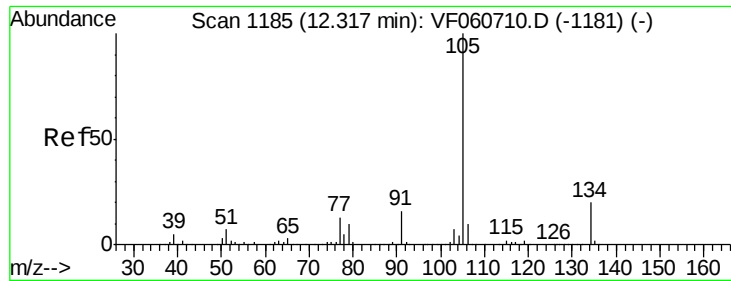
Tot Ion:119 Resp: 358537
 Ion Ratio Lower Upper
 119 100
 91 104.2 31.4 94.3#
 134 0.0 12.8 38.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 275.220 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

Tgt Ion:105 Resp: 2723309
 Ion Ratio Lower Upper
 105 100
 120 53.4 25.5 76.5





#85

sec-Butylbenzene

Concen: 12.130 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

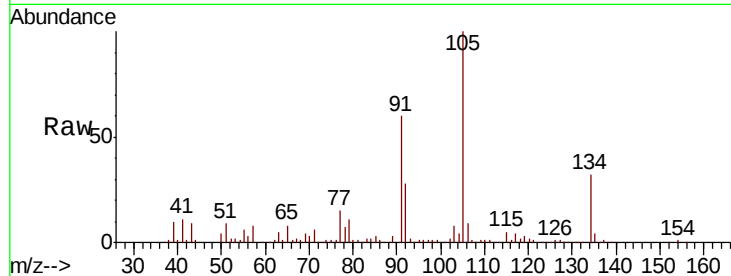
ClientSampled :

Tot Ion:105 Resp: 167159

Ion Ratio Lower Upper

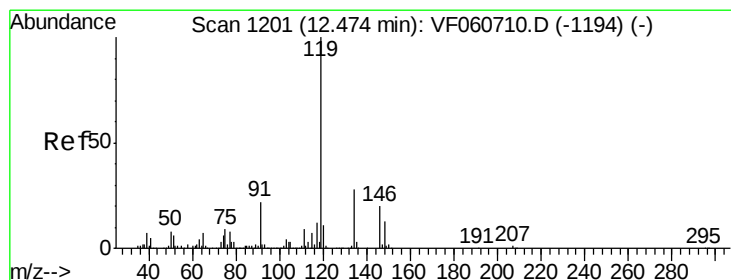
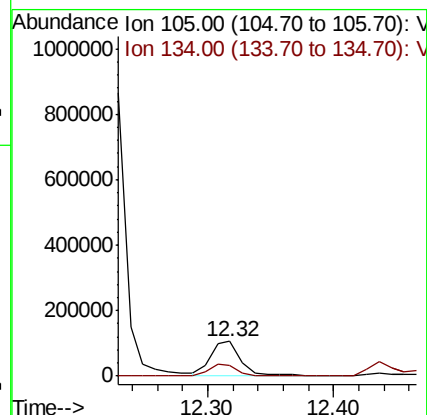
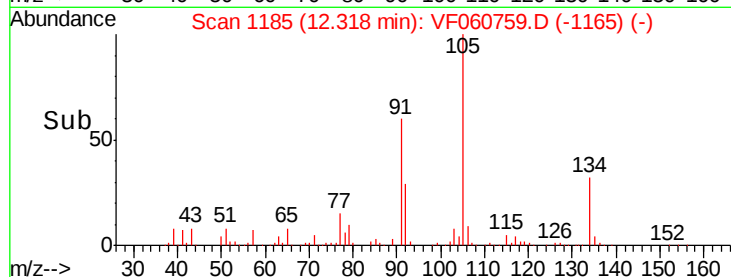
105 100

134 31.8 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 26.937 ug/l

RT: 12.44 min Scan# 1197

Delta R.T. -0.04 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

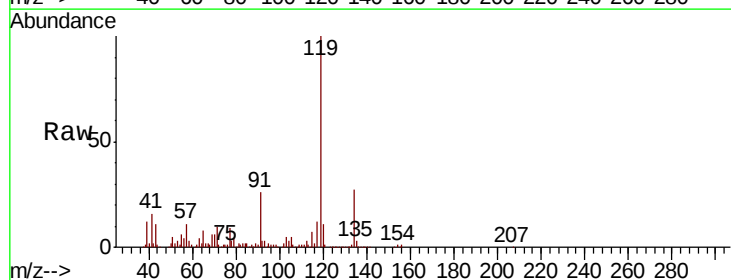
Tgt Ion:119 Resp: 310029

Ion Ratio Lower Upper

119 100

134 27.1 13.9 41.7

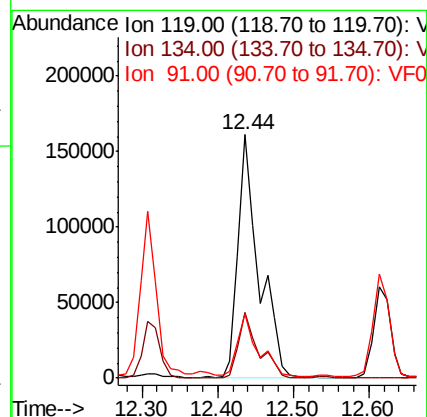
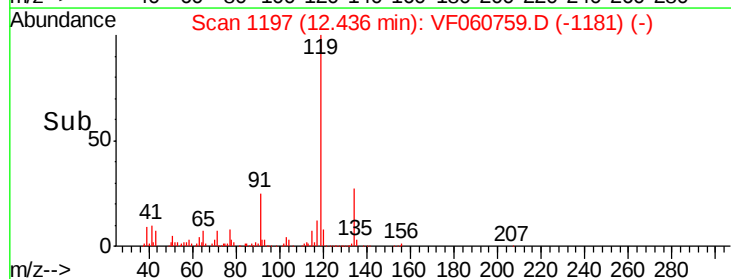
91 26.3 11.3 33.9

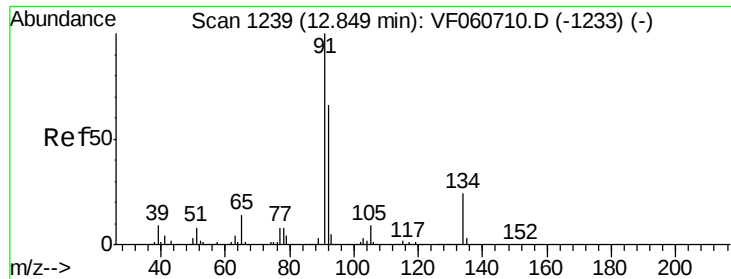


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#89

n-Butylbenzene

Concen: 48.515 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampled :

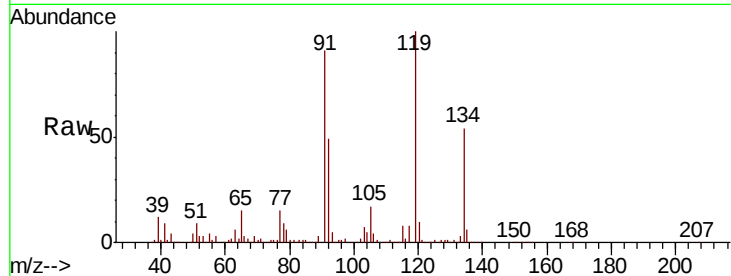
Tot Ion: 91 Resp: 569829

Ion Ratio Lower Upper

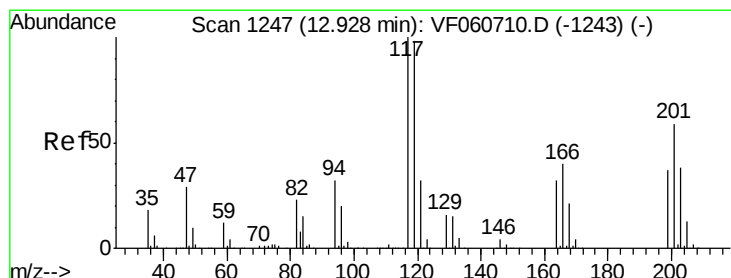
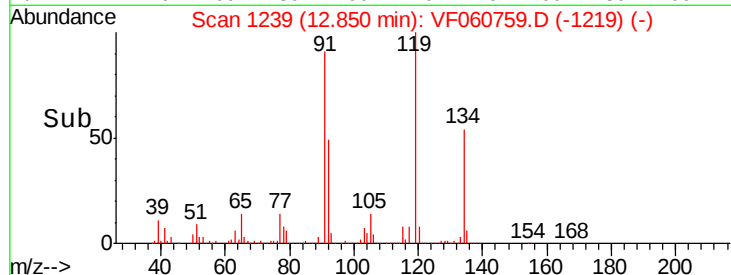
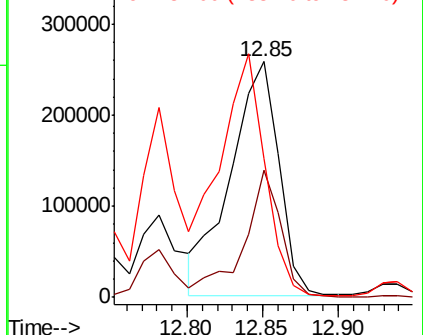
91 100

92 53.9 33.1 99.2

134 58.9 11.9 35.9#



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: 4.058 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VF060759.D

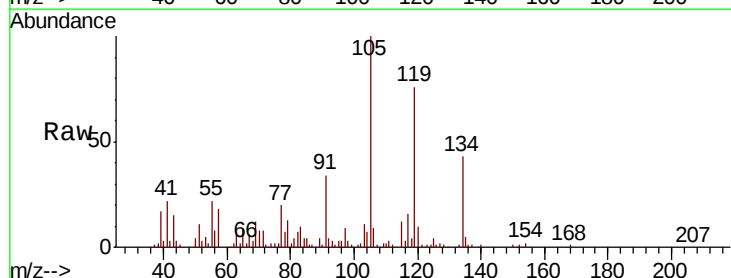
Acq: 15 Nov 2018 21:08

Tgt Ion: 117 Resp: 11423

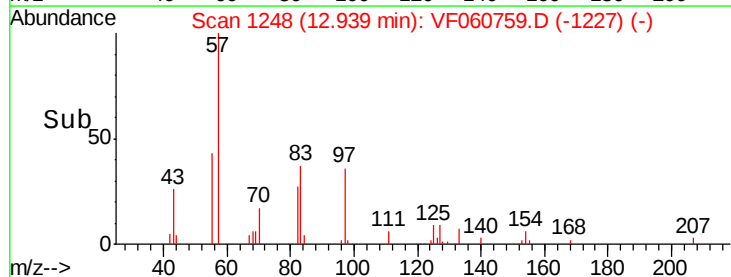
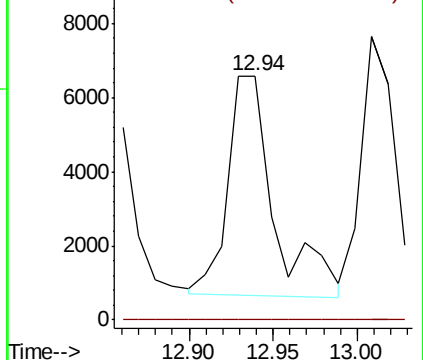
Ion Ratio Lower Upper

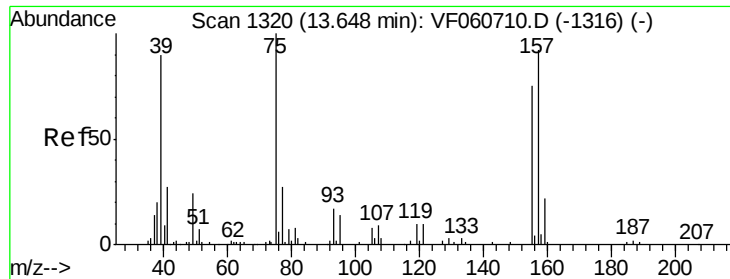
117 100

201 0.0 29.4 88.3#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

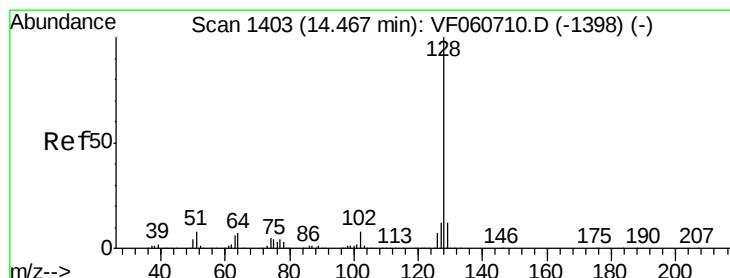
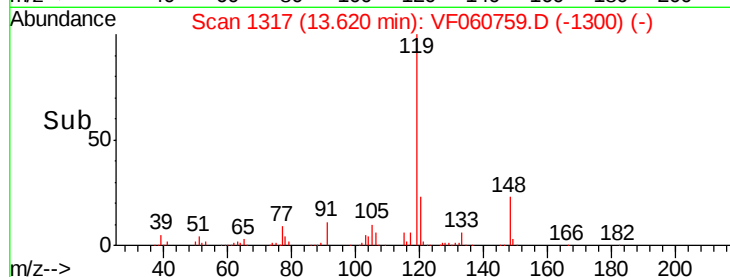
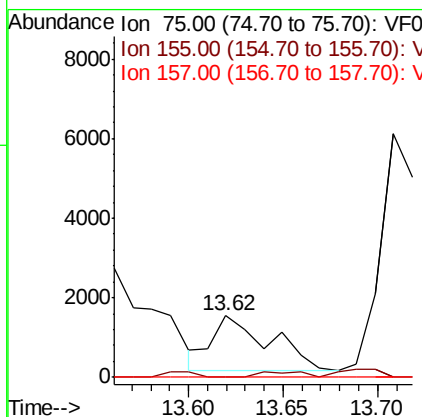
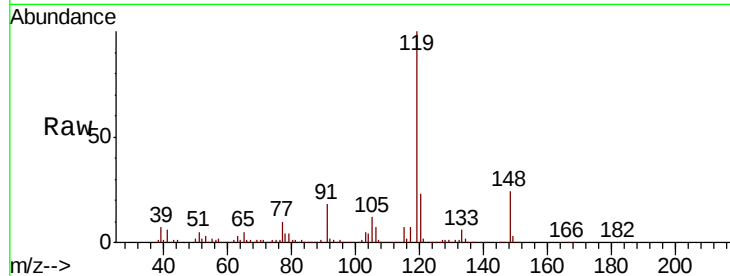




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.629 ug/l
 RT: 13.62 min Scan# 1317
 Delta R.T. -0.03 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 75 Resp: 2857
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.4 112.2#
 157 0.0 46.0 138.0#



#95
 Naphthalene
 Concen: 60.702 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

Tgt Ion: 128 Resp: 374196
 Ion Ratio Lower Upper
 128 100
 127 12.8 9.8 14.6
 129 11.7 9.3 13.9

