

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060769.D
 Acq On : 16 Nov 2018 17:27
 Operator : VA/AP
 Sample : J5915-02
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 T-2

Quant Time: Nov 17 04:23:23 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	165823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	304873	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	213458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	124938	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	81875	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	
35) Dibromofluoromethane	4.13	113	85950	37.50	ug/l	0.00
Spiked Amount			Recovery	=	75.00%	
50) Toluene-d8	7.58	98	209430	34.47	ug/l	0.00
Spiked Amount			Recovery	=	68.94%	
62) 4-Bromofluorobenzene	11.42	95	131927	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	651	1.396	ug/l	80
11) Tert butyl alcohol	2.58	59	378	4.391	ug/l #	1
13) Acrolein	2.00	56	59434	755.133	ug/l #	1
14) Allyl chloride	2.18	41	186380	78.641	ug/l #	29
15) Acrylonitrile	2.93	53	9672	52.730	ug/l #	45
16) Acetone	2.24	43	77155	190.848	ug/l	99
18) Methyl Acetate	2.39	43	252400	380.216	ug/l #	65
25) 2-Butanone	4.36	43	89881	135.167	ug/l #	67
29) Tetrahydrofuran	4.02	42	261247	952.460	ug/l #	1
30) Chloroform	3.81	83	4784	1.076	ug/l #	1
31) Cyclohexane	3.76	56	314998	93.690	ug/l #	45
37) Ethyl Acetate	4.03	43	1436761	1092.984	ug/l #	1
39) Methylcyclohexane	5.48	83	279822	68.215	ug/l	89
41) Methacrylonitrile	4.70	41	915638	1425.580	ug/l #	48
43) Isopropyl Acetate	6.84	43	1408047	807.876	ug/l #	48
47) Bromodichloromethane	6.33	83	45629	13.198	ug/l #	28
48) Methyl methacrylate	6.62	41	936880	812.214	ug/l #	48
51) 4-Methyl-2-Pentanone	8.31	43	264119	209.526	ug/l #	43
55) 1,1,2-Trichloroethane	8.41	97	58573	38.813	ug/l #	15
56) Ethyl methacrylate	8.65	69	158021	92.200	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.68	63	2599	16.600	ug/l	100
59) 2-Hexanone	9.53	43	106149	119.823	ug/l #	49
67) Ethyl Benzene	9.92	91	842452	103.760	ug/l	95
68) m/p-Xylenes	10.16	106	1322967	455.945	ug/l	97
69) o-Xylene	10.73	106	358869	110.008	ug/l	96
73) Isopropylbenzene	11.14	105	771108	76.676	ug/l	97
74) N-amyl acetate	11.45	43	230730	100.782	ug/l #	23
75) 1,1,2,2-Tetrachloroethane	11.68	83	49352	29.683	ug/l #	1
76) 1,2,3-Trichloropropane	11.85	75	59505	48.189	ug/l #	1
78) n-propylbenzene	11.61	91	3221732	274.684	ug/l	94
79) 2-Chlorotoluene	11.75	91	1330562	195.185	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.86	105	3678361	460.711	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	59316	97.776	ug/l #	1
82) 4-Chlorotoluene	11.85	91	548005	78.470	ug/l #	43

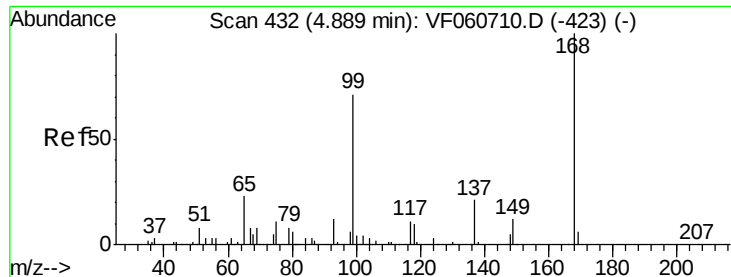
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
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 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.04	119	60828	7.175	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.24	105	7674842	929.458	ug/l	81
85) sec-Butylbenzene	12.33	105	831725	72.327	ug/l #	74
86) p-Isopropyltoluene	12.45	119	1689775	175.938	ug/l	95
89) n-Butylbenzene	12.86	91	2414201	246.311	ug/l #	47
90) Hexachloroethane	12.95	117	65638	27.941	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18001	57.603	ug/l #	14
95) Naphthalene	14.47	128	748461	145.496	ug/l #	93

(#) = 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: VF060769.D

Acq: 16 Nov 2018 17:27

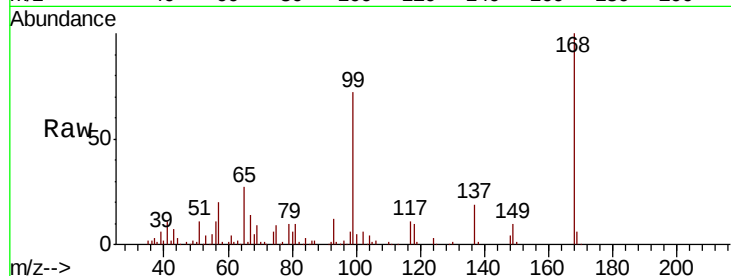
Instrument :
MSVOA_F
ClientSampleId :
T-2

Tot Ion:168 Resp: 165823

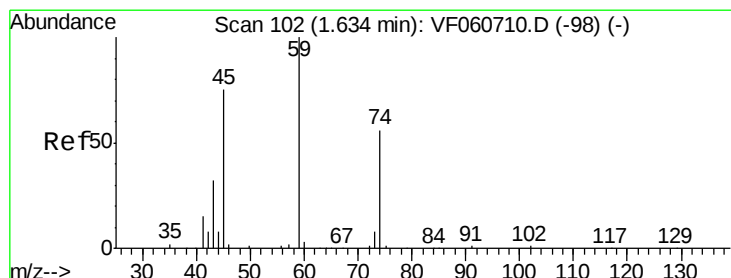
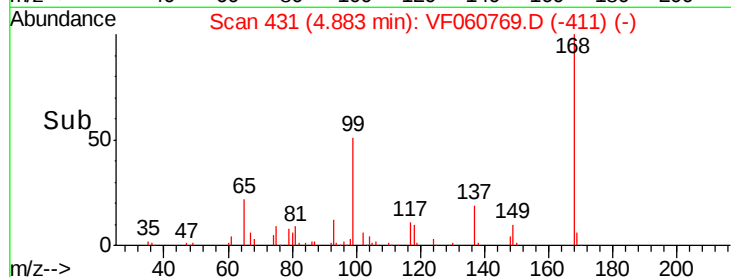
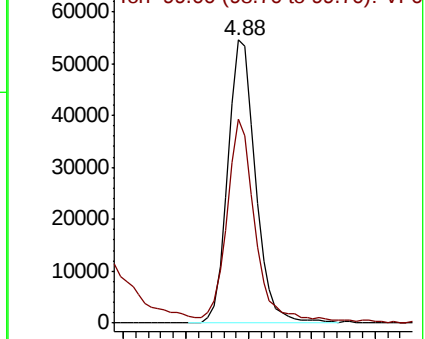
Ion Ratio Lower Upper

168 100

99 72.2 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.396 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060769.D

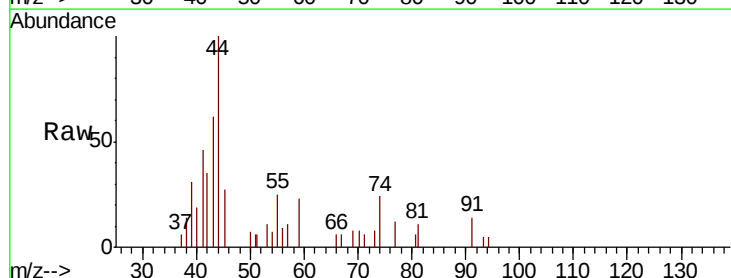
Acq: 16 Nov 2018 17:27

Tgt Ion: 74 Resp: 651

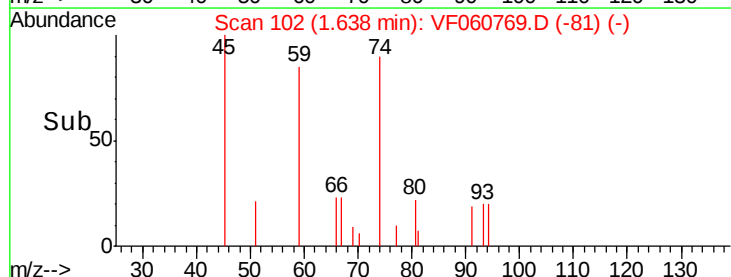
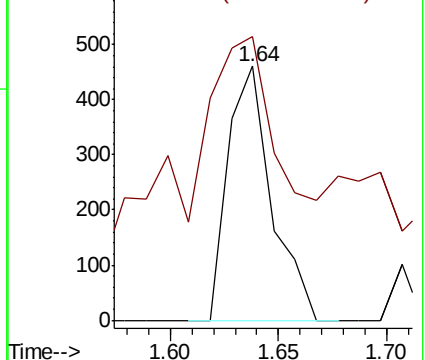
Ion Ratio Lower Upper

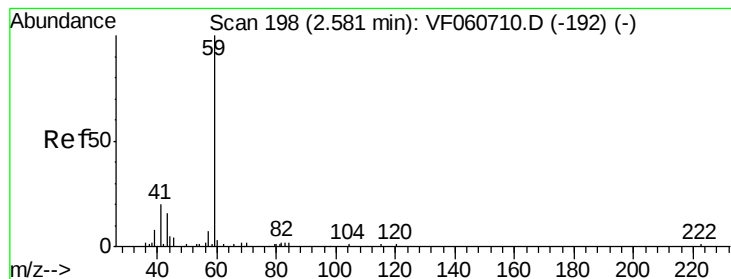
74 100

45 111.5 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0



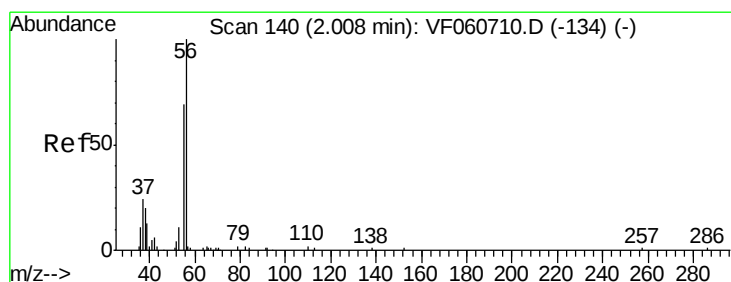
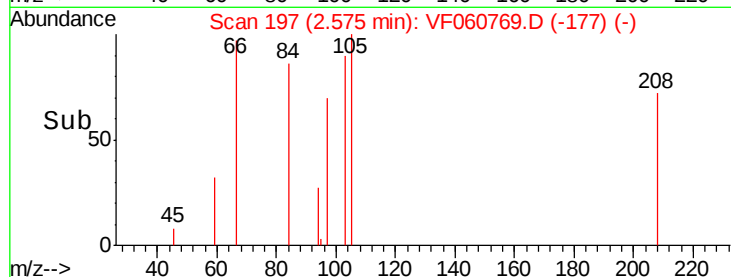
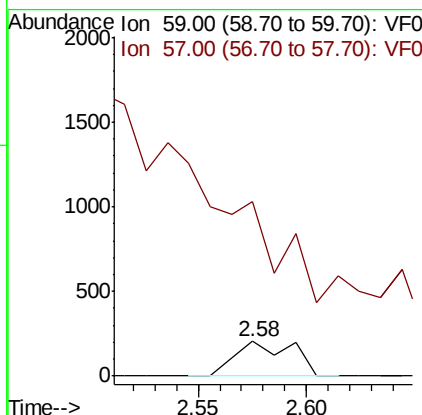
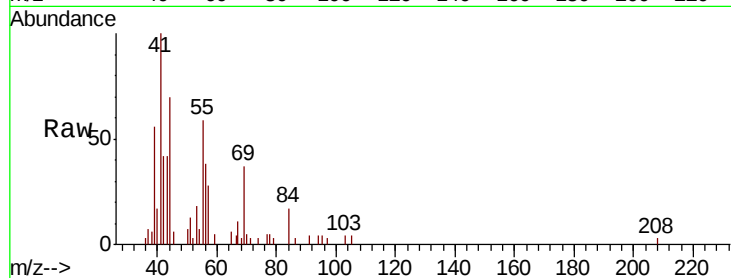


#11

Tert butyl alcohol
Concen: 4.391 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Instrument :
MSVOA_F
ClientSampled :
T-2

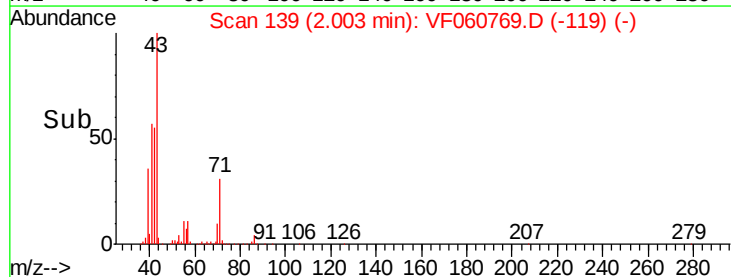
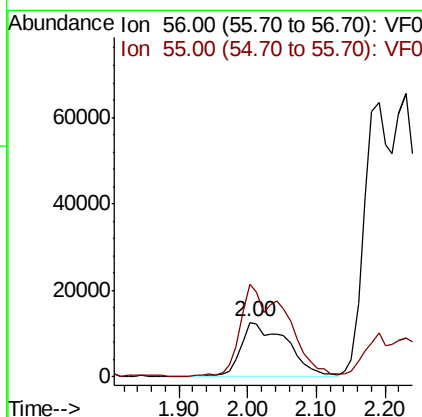
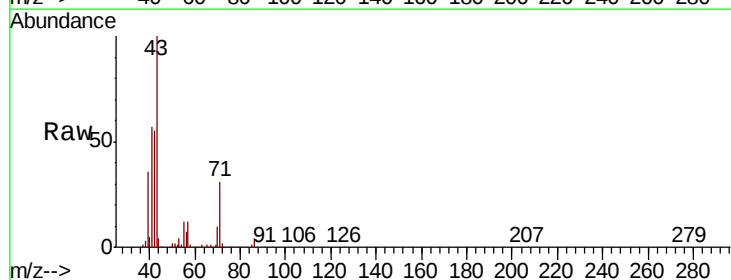
Tot Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 505.9 10.5 15.7#

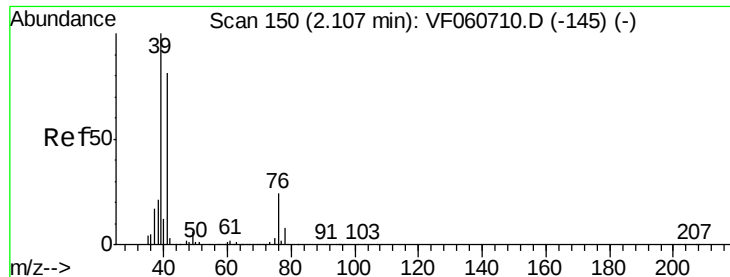


#13

Acrolein
Concen: 755.133 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 56 Resp: 59434
Ion Ratio Lower Upper
56 100
55 169.7 56.6 85.0#

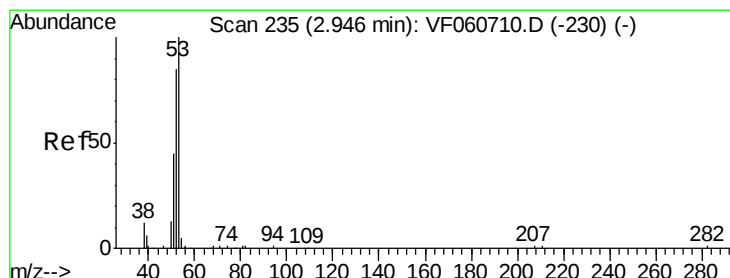
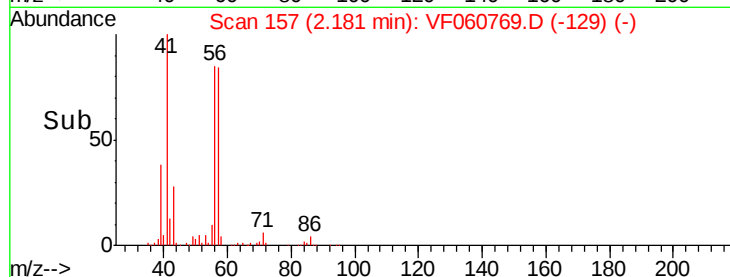
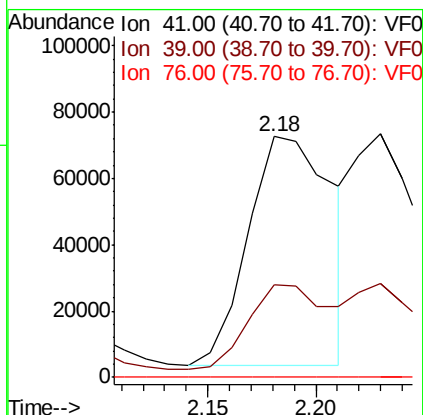
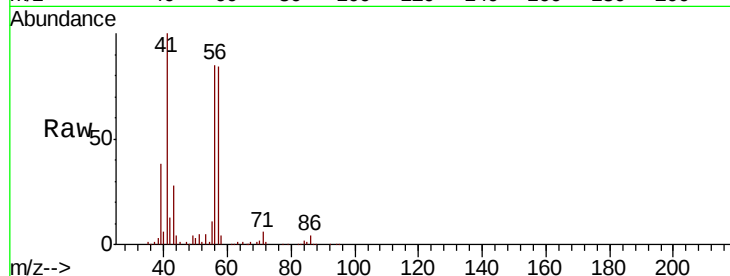




#14
Allvl chloride
Concen: 78.641 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.07 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

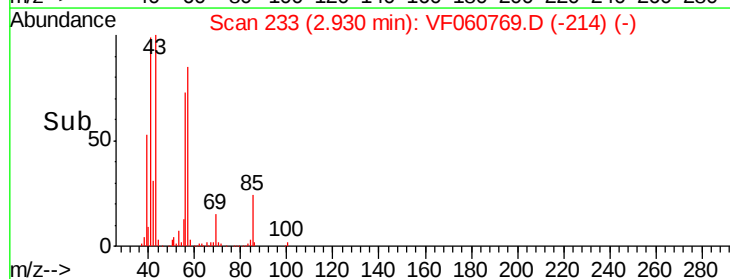
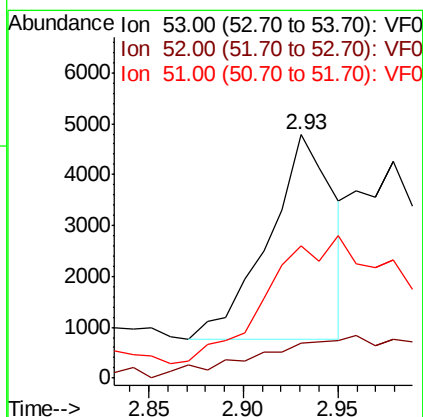
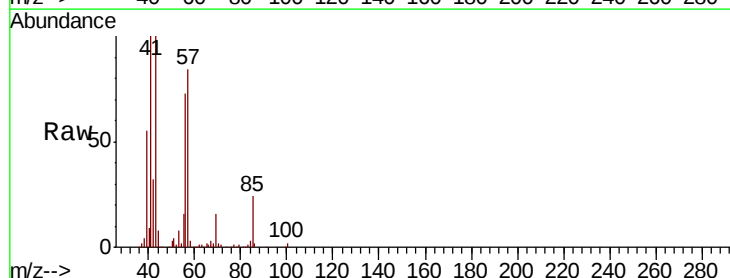
Instrument :
MSVOA_F
ClientSampleId :
T-2

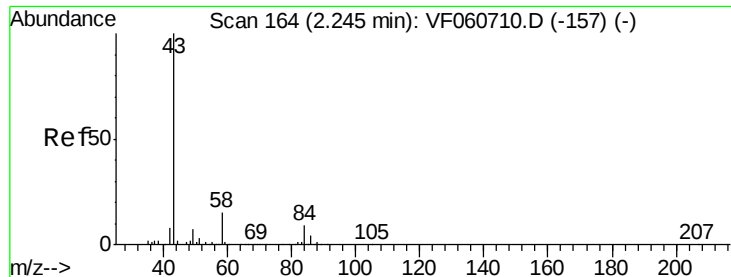
Tot Ion: 41 Resp: 186380
Ion Ratio Lower Upper
41 100
39 38.2 98.5 147.7#
76 0.0 24.5 36.7#



#15
Acrylonitrile
Concen: 52.730 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.02 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 53 Resp: 9672
Ion Ratio Lower Upper
53 100
52 14.5 68.8 103.2#
51 54.1 36.7 55.1





#16

Acetone

Concen: 190.848 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

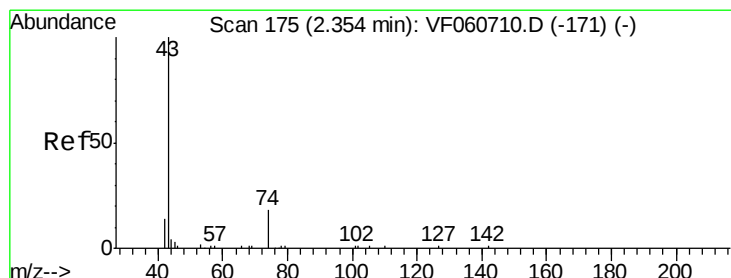
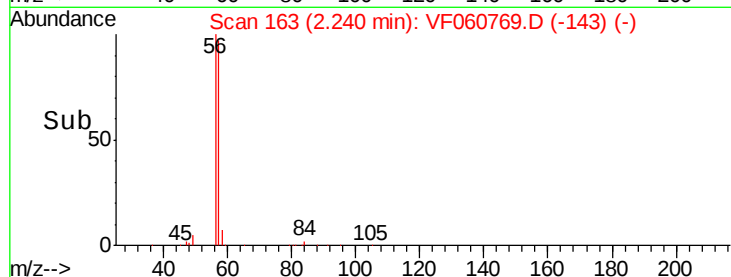
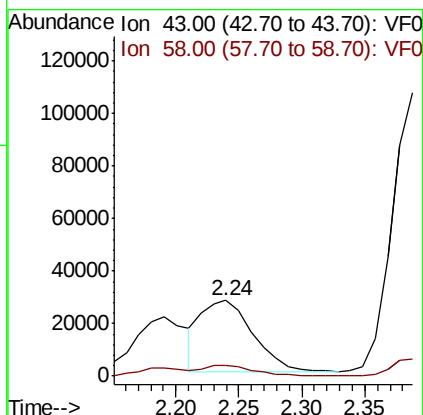
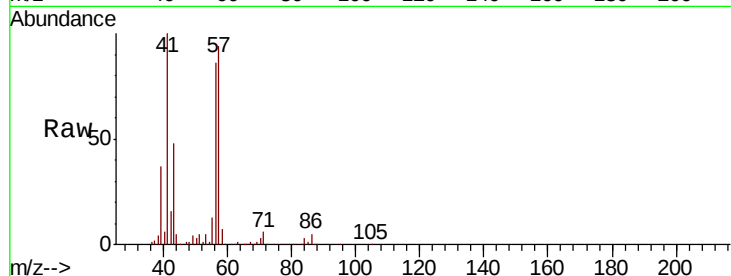
T-2

Tot Ion: 43 Resp: 77155

Ion Ratio Lower Upper

43 100

58 13.9 11.6 17.4



#18

Methyl Acetate

Concen: 380.216 ug/l

RT: 2.39 min Scan# 178

Delta R.T. 0.03 min

Lab File: VF060769.D

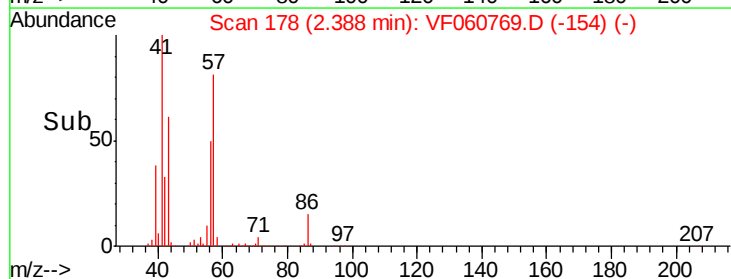
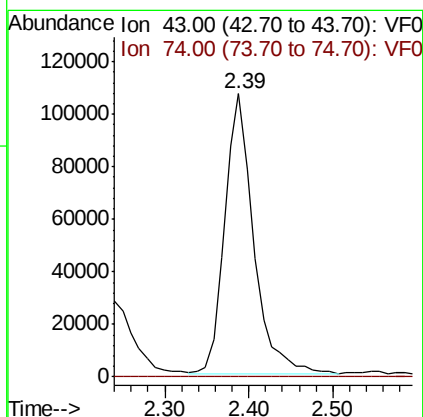
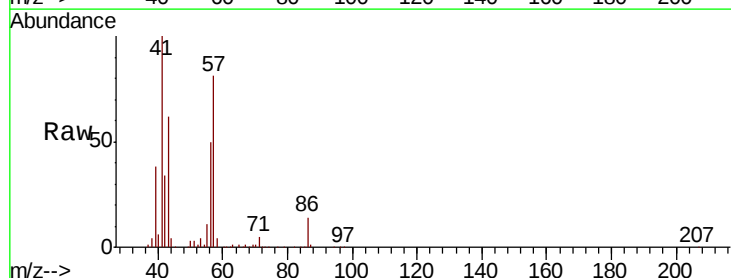
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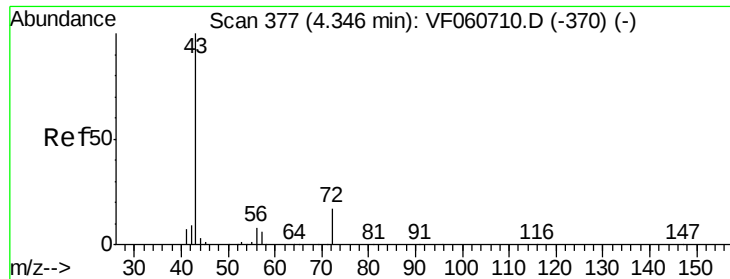
Tgt Ion: 43 Resp: 252400

Ion Ratio Lower Upper

43 100

74 0.3 11.8 17.8#





#25

2-Butanone

Concen: 135.167 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampled :

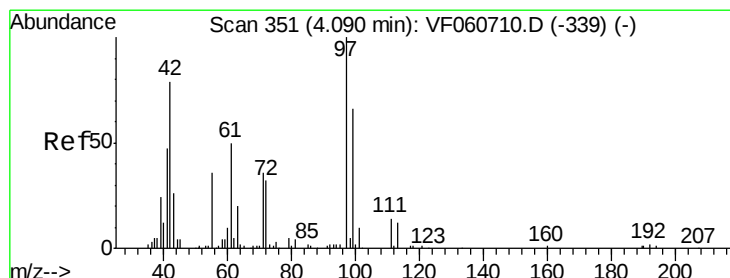
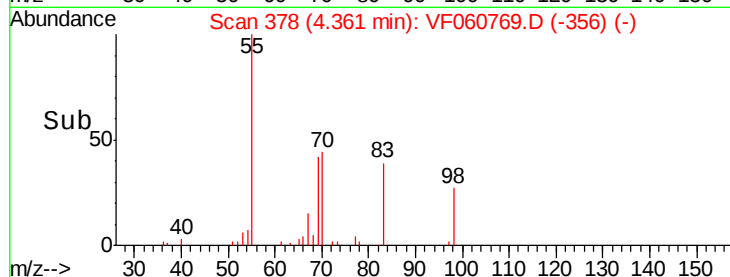
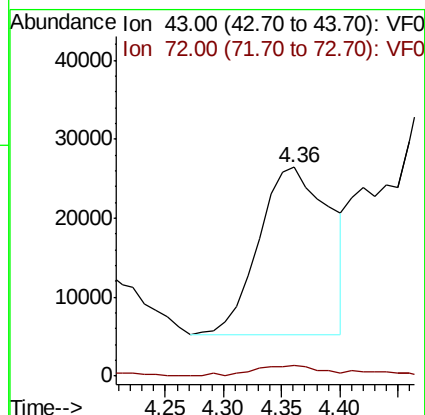
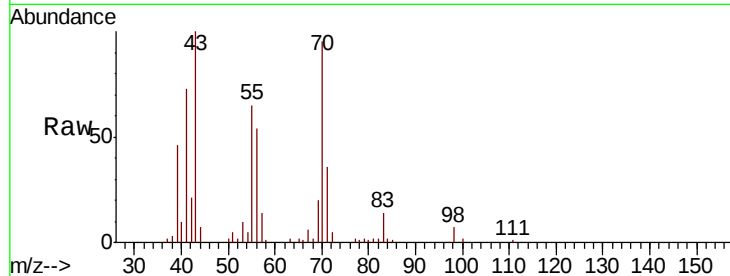
T-2

Tot Ion: 43 Resp: 89881

Ion Ratio Lower Upper

43 100

72 4.9 16.1 24.1#



#29

Tetrahydrofuran

Concen: 952.460 ug/l

RT: 4.02 min Scan# 343

Delta R.T. -0.07 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

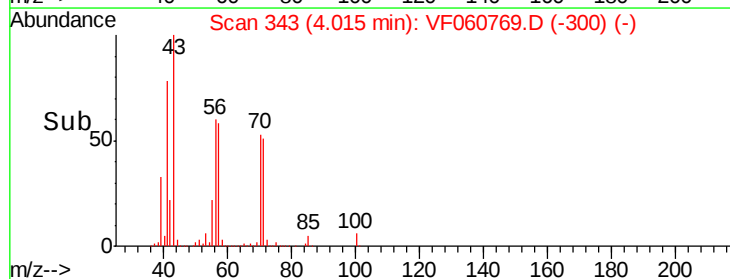
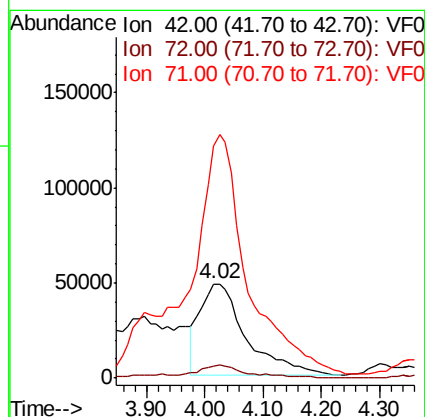
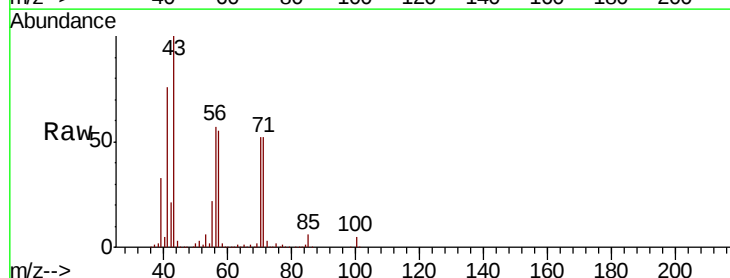
Tgt Ion: 42 Resp: 261247

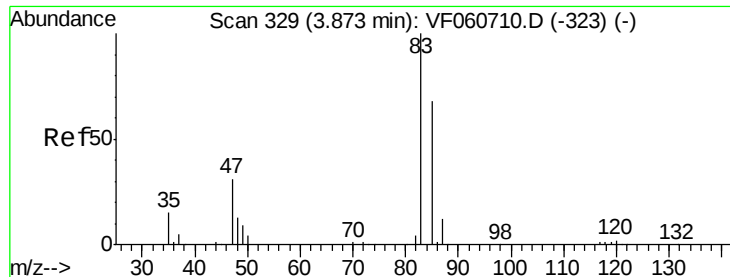
Ion Ratio Lower Upper

42 100

72 16.1 30.3 45.5#

71 278.1 32.2 48.2#





#30

Chloroform

Concen: 1.076 ug/l

RT: 3.81 min Scan# 322

Delta R.T. -0.06 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampled :

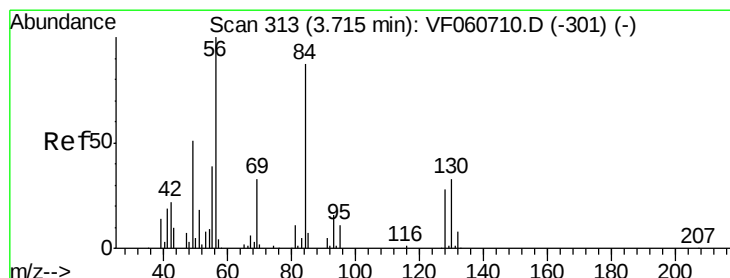
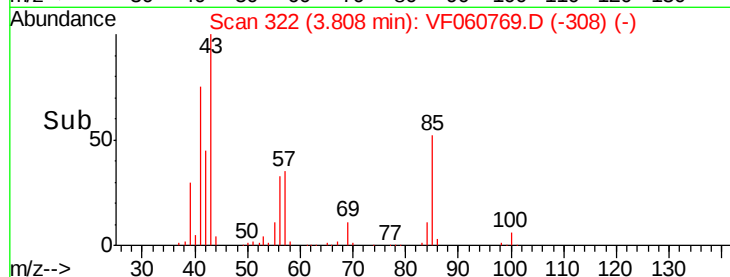
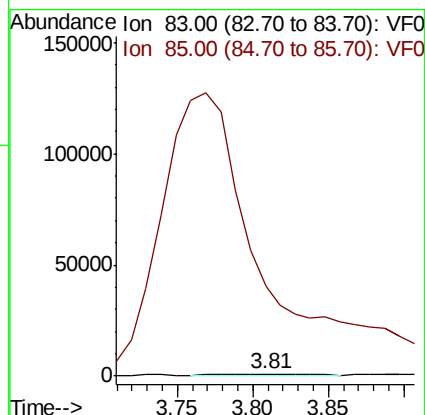
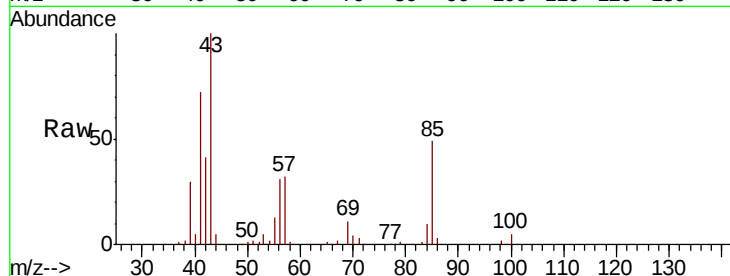
T-2

Tot Ion: 83 Resp: 4784

Ion Ratio Lower Upper

83 100

85 3873.3 54.6 82.0#



#31

Cyclohexane

Concen: 93.690 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.04 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

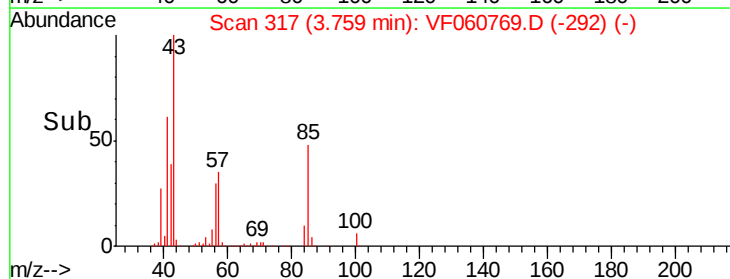
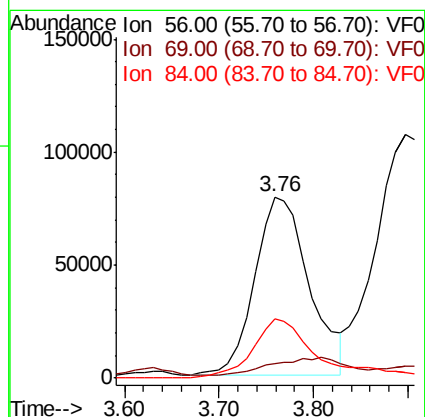
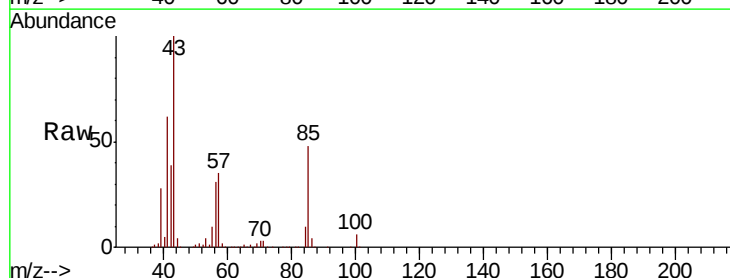
Tgt Ion: 56 Resp: 314998

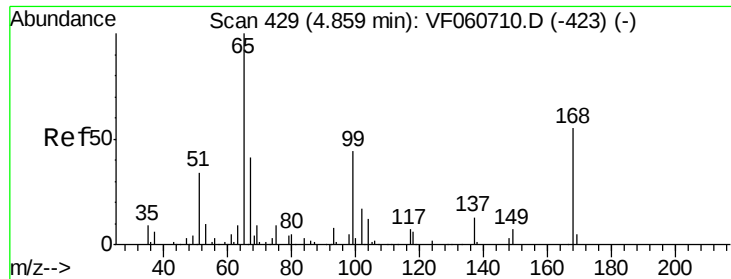
Ion Ratio Lower Upper

56 100

69 7.7 26.0 39.0#

84 32.6 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 43.288 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

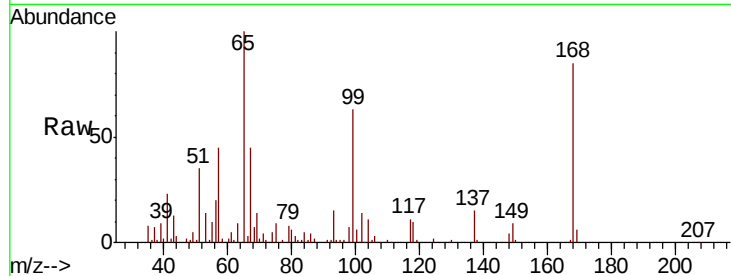
T-2

Tot Ion: 65 Resp: 81875

Ion Ratio Lower Upper

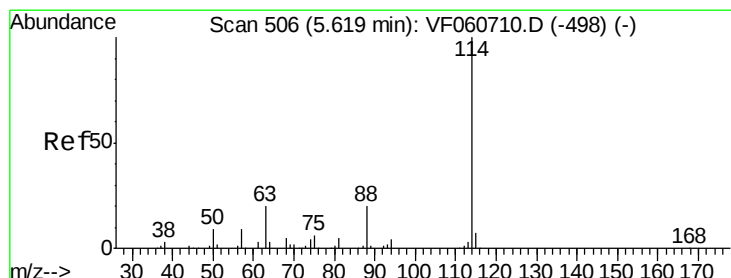
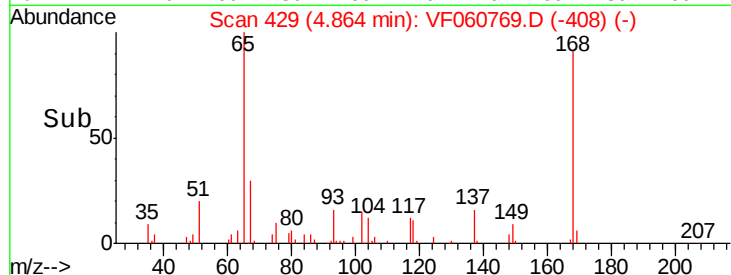
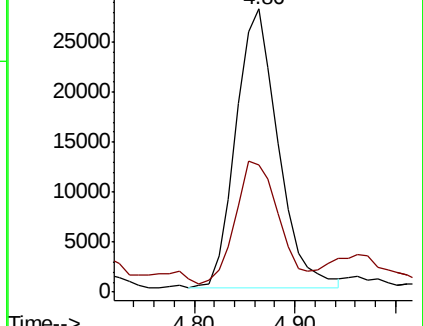
65 100

67 45.1 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: VF060769.D

Acq: 16 Nov 2018 17:27

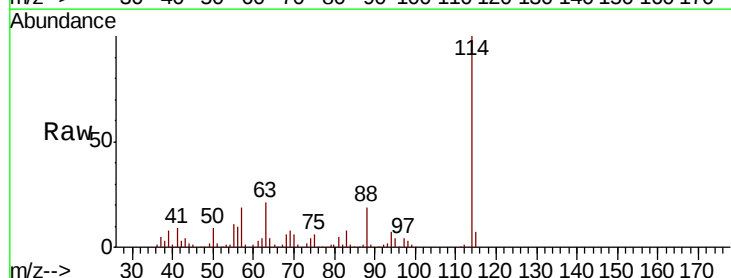
Tgt Ion: 114 Resp: 304873

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

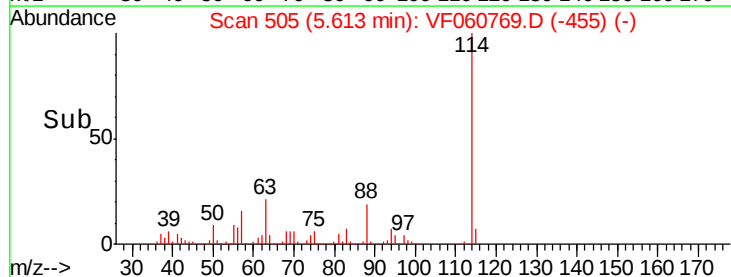
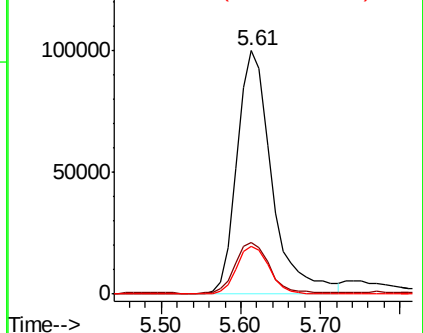
88 19.4 0.0 39.6

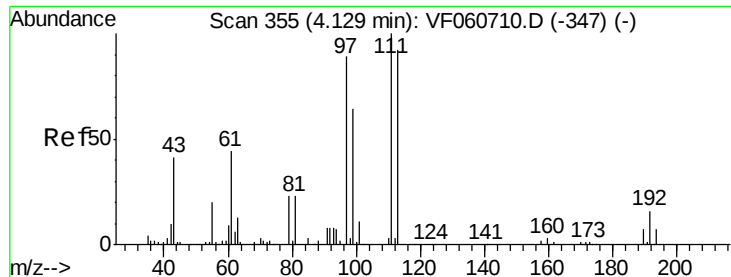


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

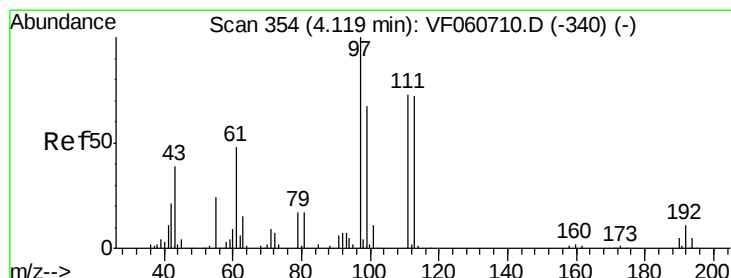
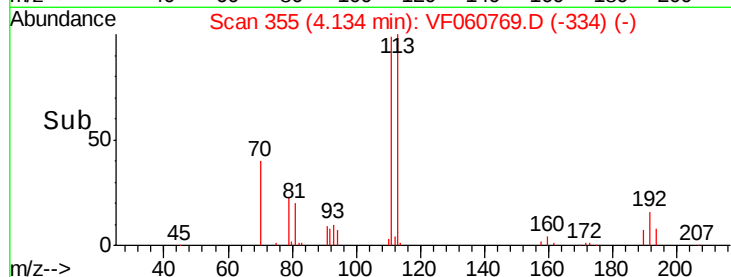
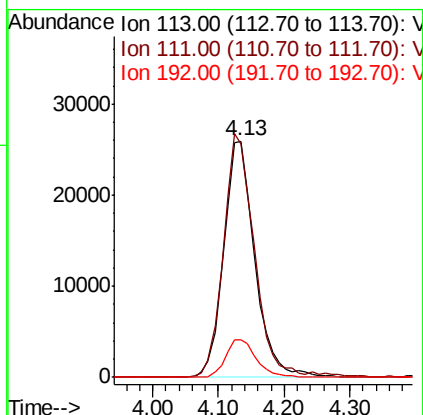
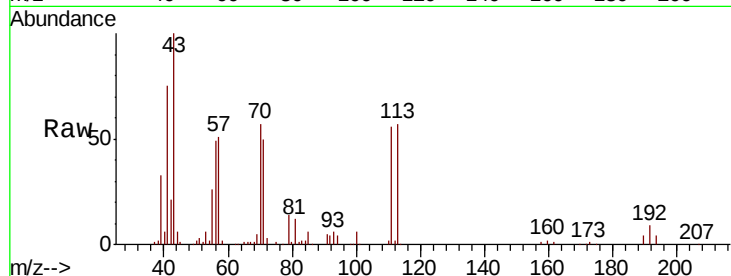




#35
Dibromofluoromethane
Concen: 37.505 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

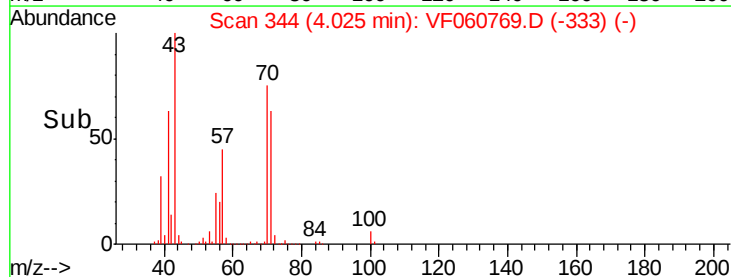
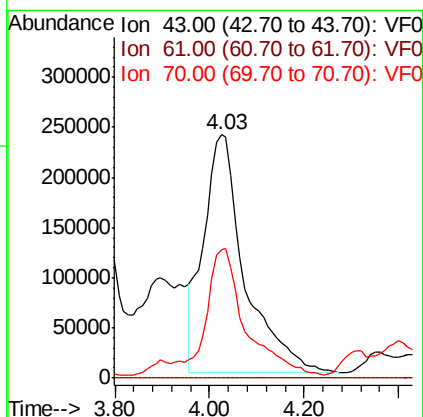
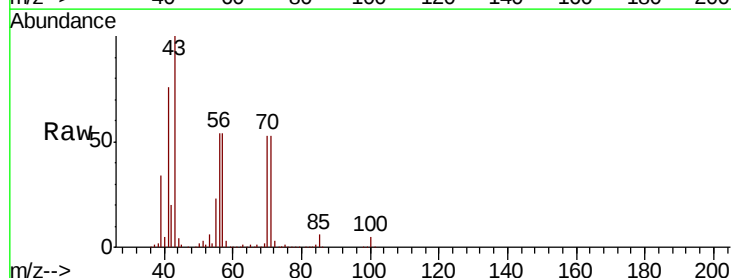
Instrument :
MSVOA_F
ClientSampleId :
T-2

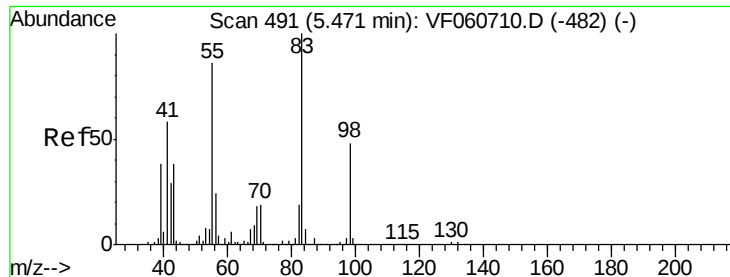
Tot Ion:113 Resp: 85950
Ion Ratio Lower Upper
113 100
111 98.9 87.1 130.7
192 15.8 13.8 20.6



#37
Ethyl Acetate
Concen: 1092.984 ug/l
RT: 4.03 min Scan# 344
Delta R.T. -0.09 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 43 Resp: 1436761
Ion Ratio Lower Upper
43 100
61 0.2 98.5 147.7#
70 52.7 7.4 11.0#

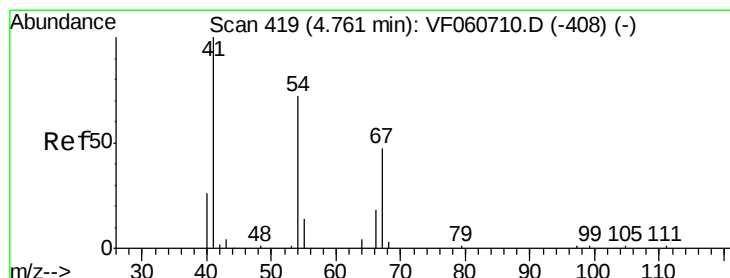
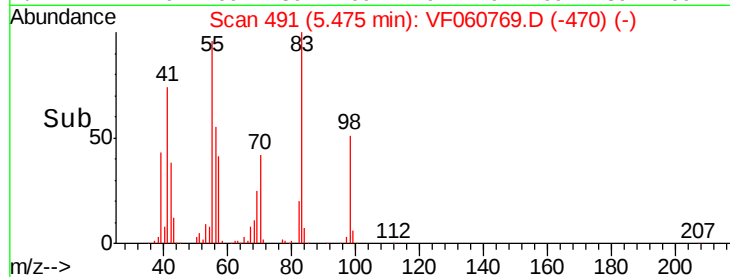
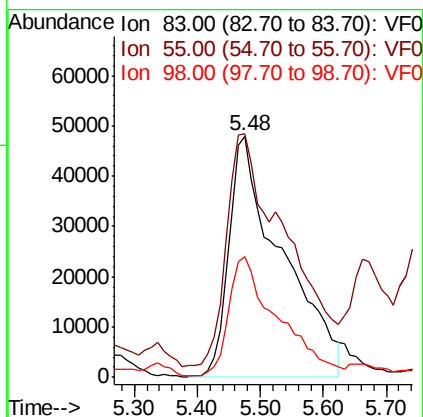
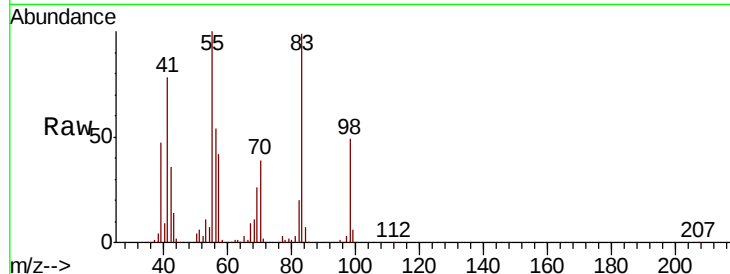




#39
Methylcyclohexane
Concen: 68.215 ug/l
RT: 5.48 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

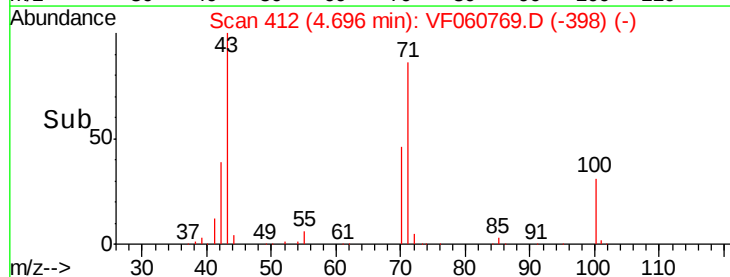
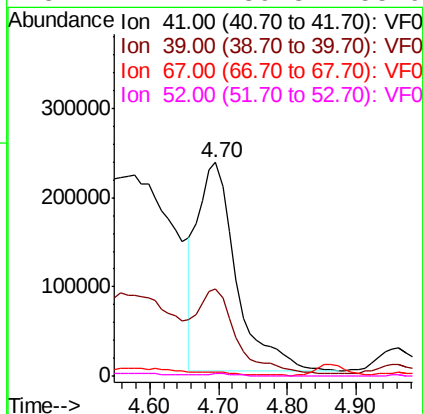
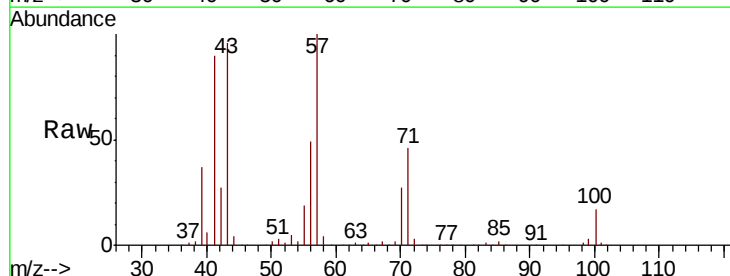
Instrument :
MSVOA_F
ClientSampled :
T-2

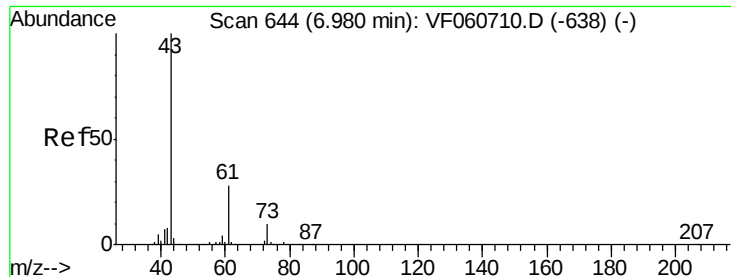
Tot Ion: 83 Resp: 279822
Ion Ratio Lower Upper
83 100
55 100.7 69.0 103.4
98 49.8 38.5 57.7



#41
Methacrylonitrile
Concen: 1425.580 ug/l
RT: 4.70 min Scan# 412
Delta R.T. -0.06 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 41 Resp: 915638
Ion Ratio Lower Upper
41 100
39 40.8 47.1 70.7#
67 1.9 37.1 55.7#
52 1.2 39.3 58.9#





#43

Isopropyl Acetate

Concen: 807.876 ug/l

RT: 6.84 min Scan# 629

Delta R.T. -0.14 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampled :

T-2

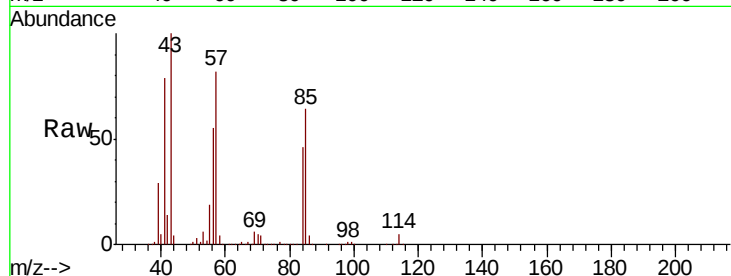
Tot Ion: 43 Resp: 1408047

Ion Ratio Lower Upper

43 100

61 0.1 22.2 33.4#

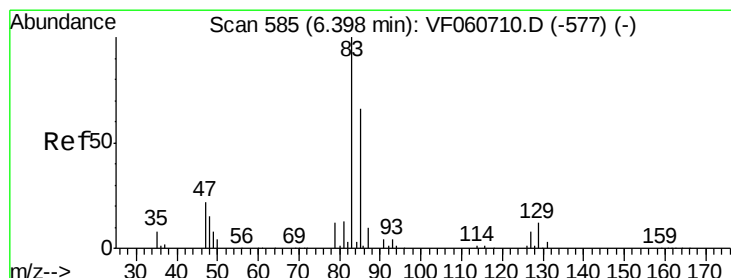
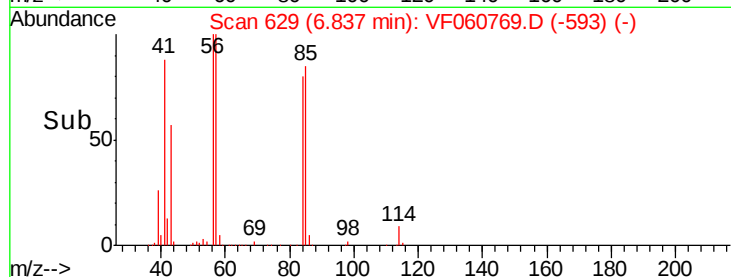
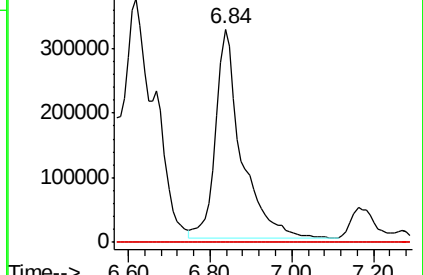
87 0.1 0.4 0.6#



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



#47

Bromodichloromethane

Concen: 13.198 ug/l

RT: 6.33 min Scan# 578

Delta R.T. -0.06 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

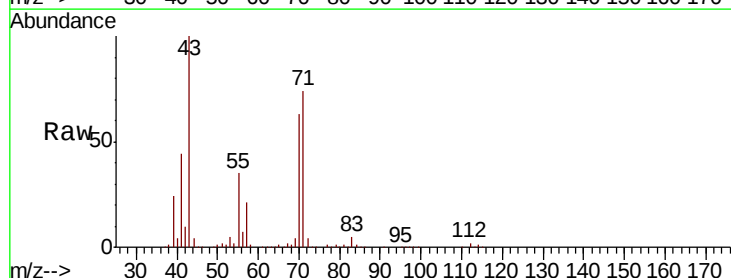
Tgt Ion: 83 Resp: 45629

Ion Ratio Lower Upper

83 100

85 3.3 52.4 78.6#

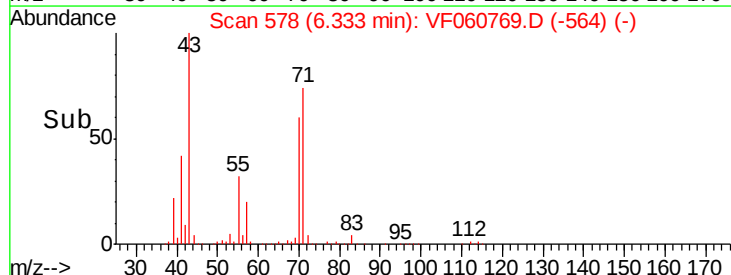
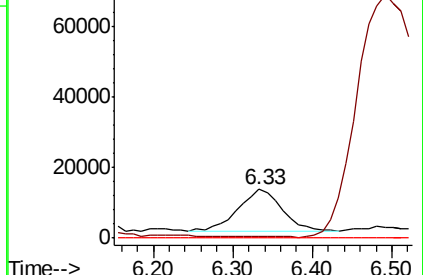
127 0.0 6.8 10.2#

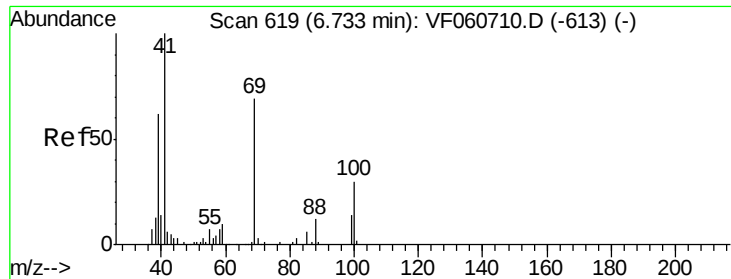


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

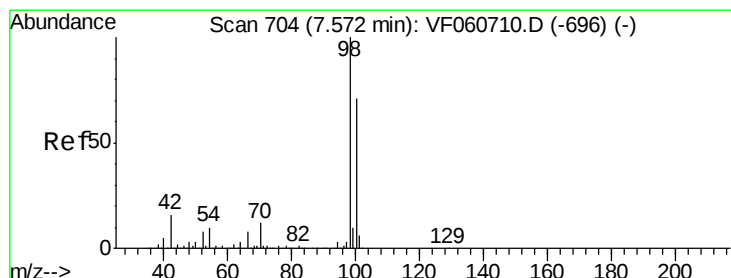
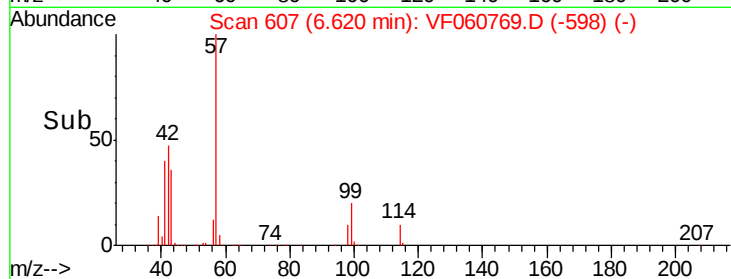
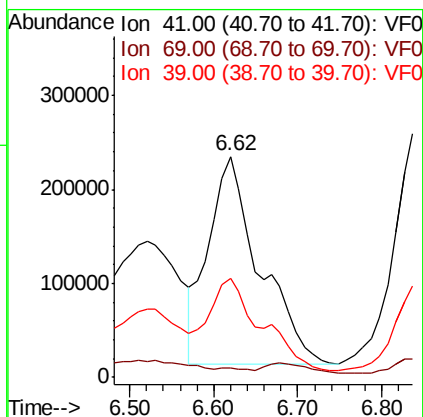
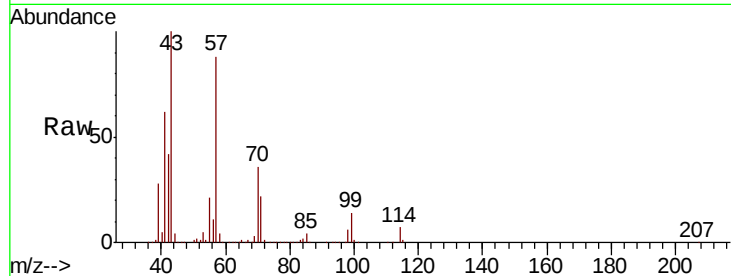




#48
Methvl methacrylate
Concen: 812.214 ug/l
RT: 6.62 min Scan# 607
Delta R.T. -0.11 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

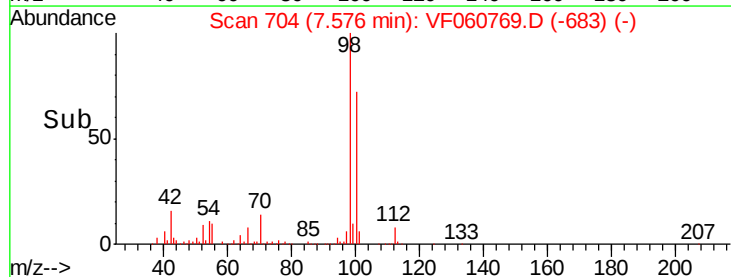
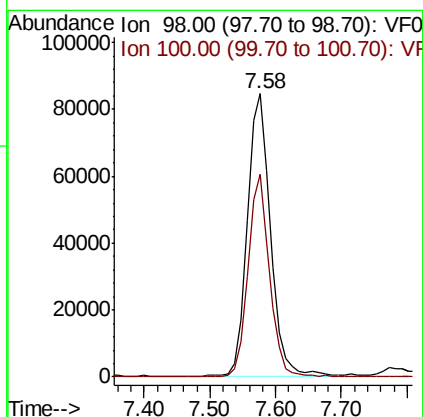
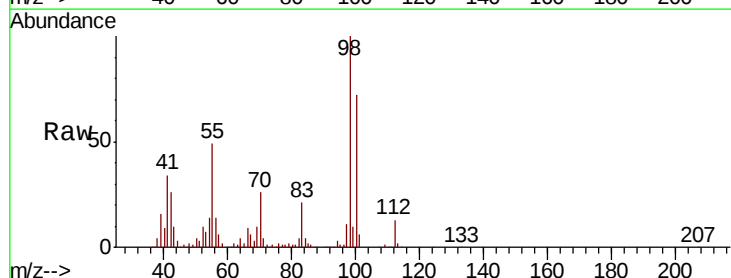
Instrument :
MSVOA_F
ClientSampled :
T-2

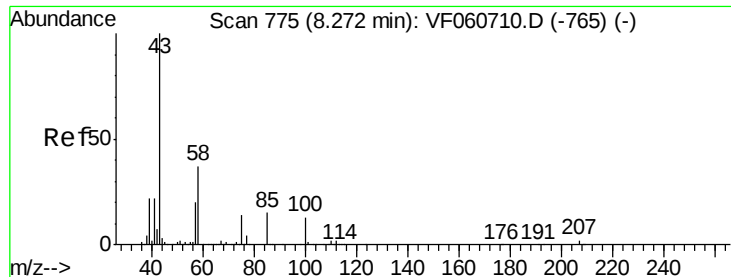
Tot Ion: 41 Resp: 936880
Ion Ratio Lower Upper
41 100
69 4.2 54.9 82.3#
39 45.0 49.6 74.4#



#50
Toluene-d8
Concen: 34.471 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 98 Resp: 209430
Ion Ratio Lower Upper
98 100
100 71.5 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 209.526 ug/l

RT: 8.31 min Scan# 778

Delta R.T. 0.03 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampled :

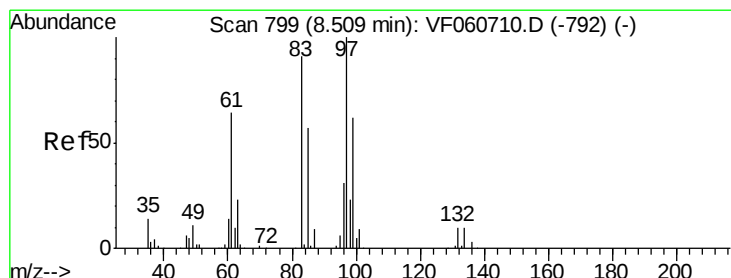
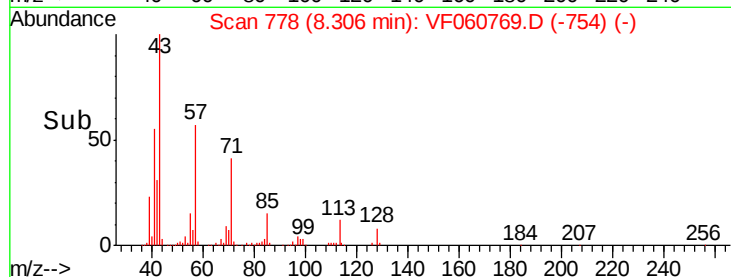
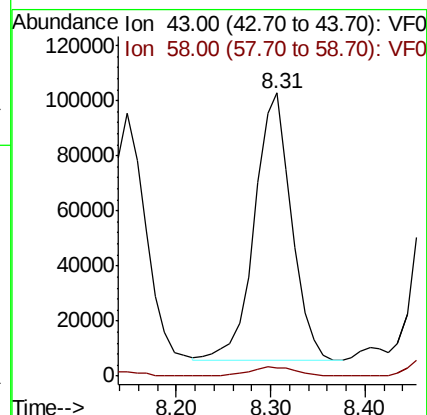
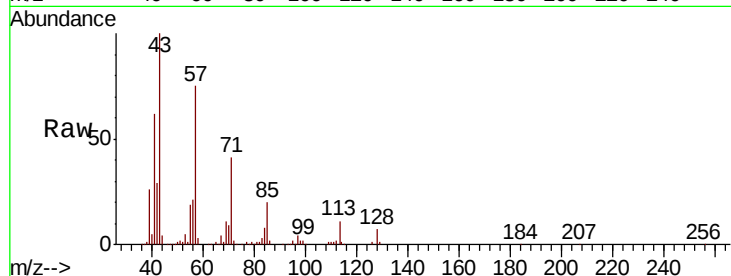
T-2

Tot Ion: 43 Resp: 264119

Ion Ratio Lower Upper

43 100

58 3.0 29.2 43.8#



#55

1,1,2-Trichloroethane

Concen: 38.813 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.09 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Tgt Ion: 97 Resp: 58573

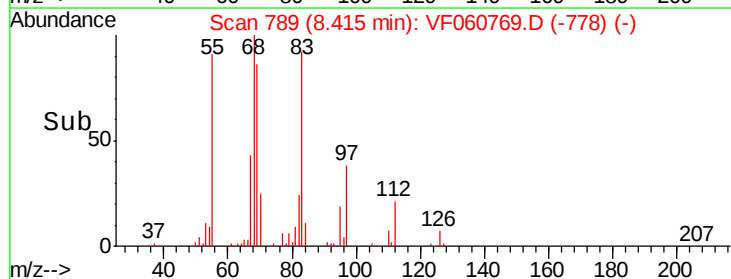
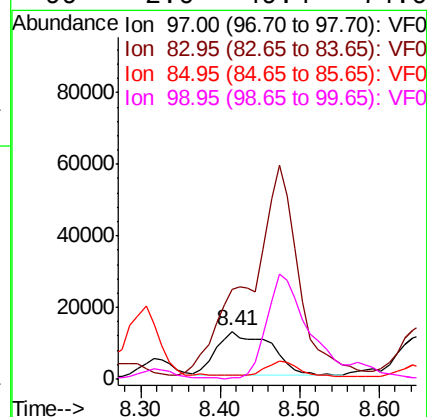
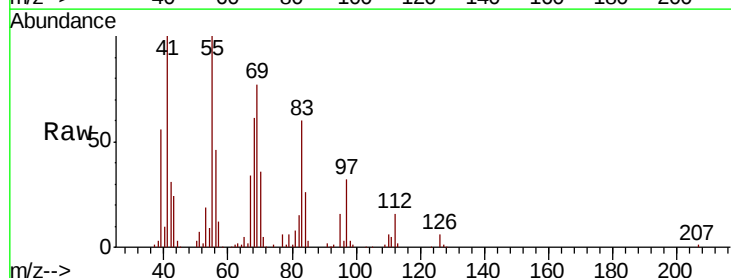
Ion Ratio Lower Upper

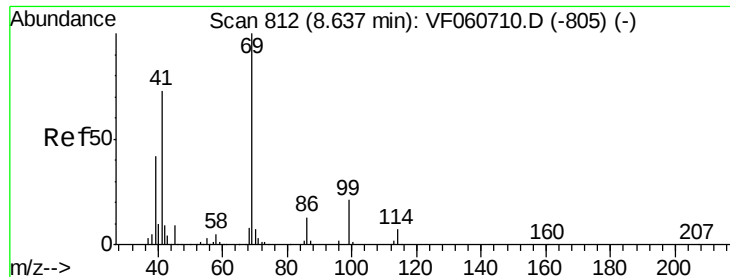
97 100

83 187.0 72.8 109.2#

85 9.1 45.8 68.6#

99 2.0 49.4 74.0#





#56

Ethyl methacrylate

Concen: 92.200 ug/l

RT: 8.65 min Scan# 813

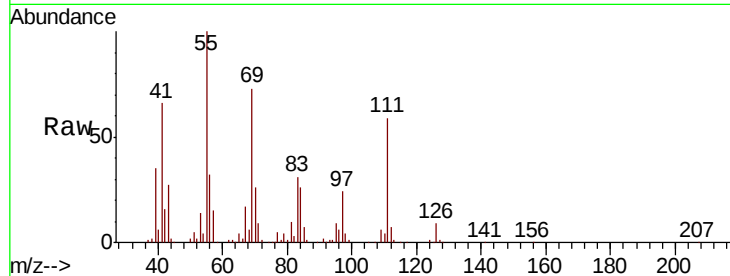
Delta R.T. 0.01 min

Lab File: VF060769.D

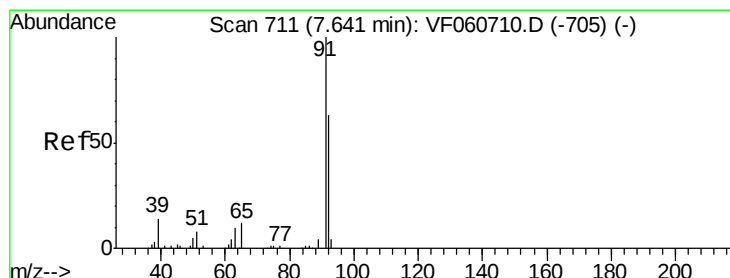
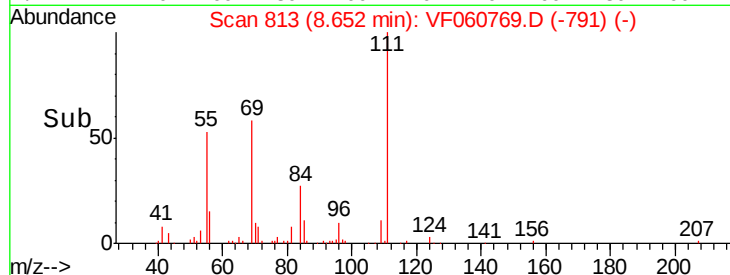
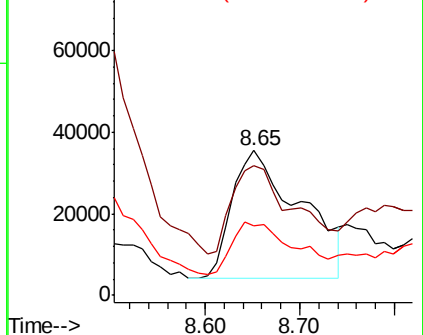
Acq: 16 Nov 2018 17:27

Instrument :
MSVOA_F
ClientSampled :
T-2

Tot Ion:	69	Resp:	158021
Ion	Ratio	Lower	Upper
69	100		
41	89.6	59.0	88.6#
39	47.9	34.0	51.0



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



#58

2-Chloroethyl Vinyl ether

Concen: 16.600 ug/l

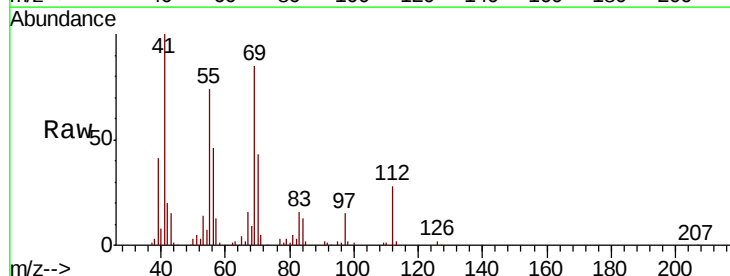
RT: 7.68 min Scan# 714

Delta R.T. 0.03 min

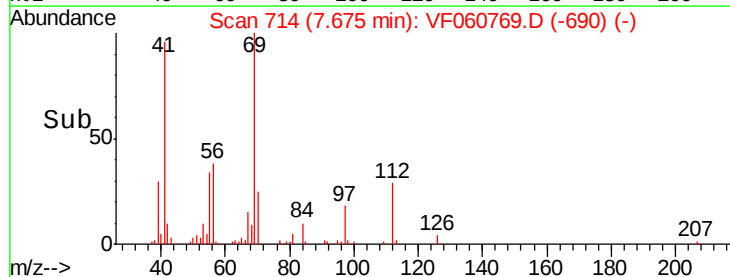
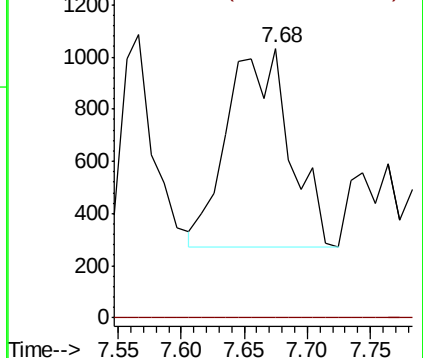
Lab File: VF060769.D

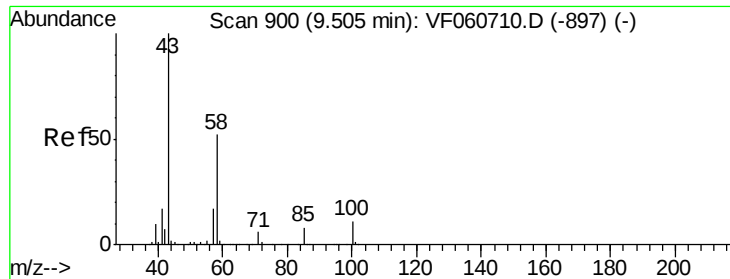
Acq: 16 Nov 2018 17:27

Tgt Ion:	63	Resp:	2599
Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V

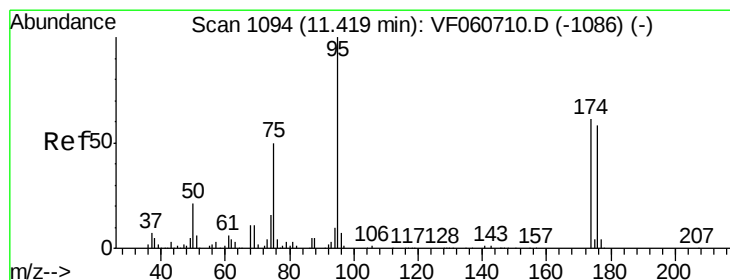
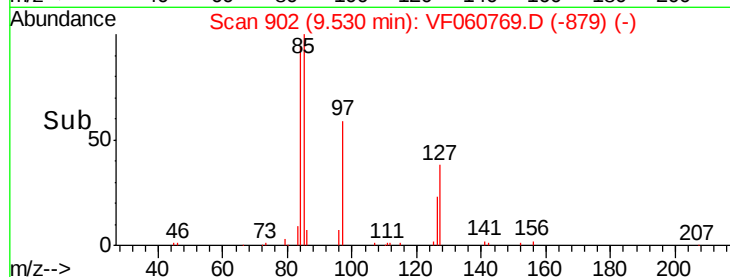
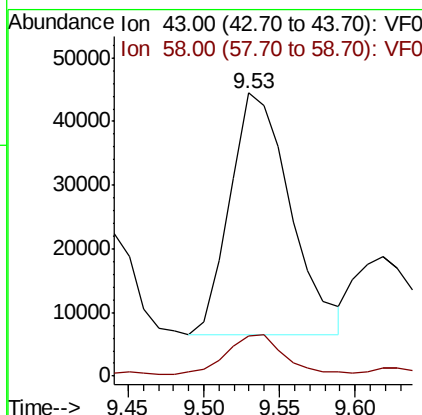
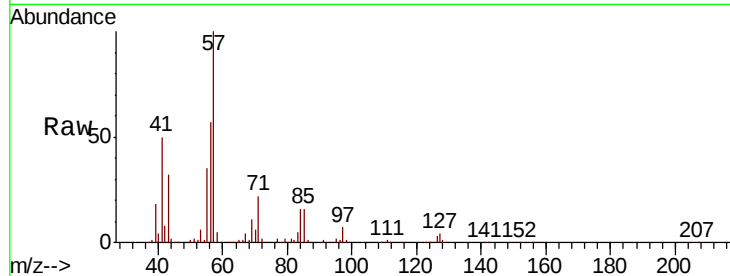




#59
2-Hexanone
Concen: 119.823 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.02 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

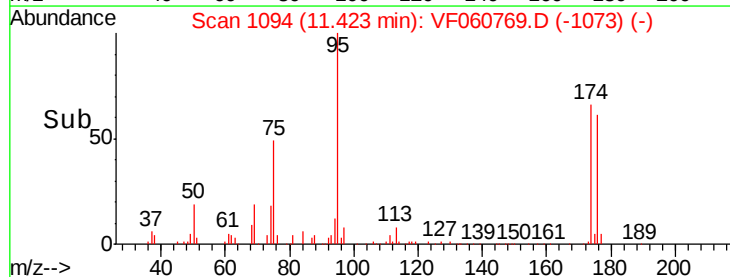
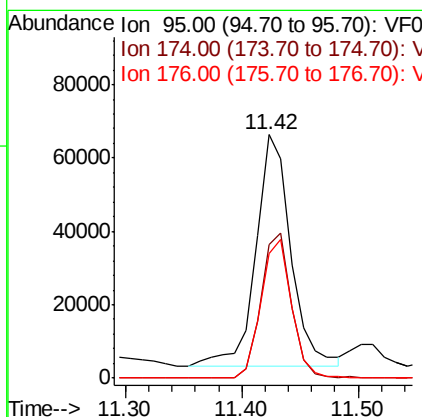
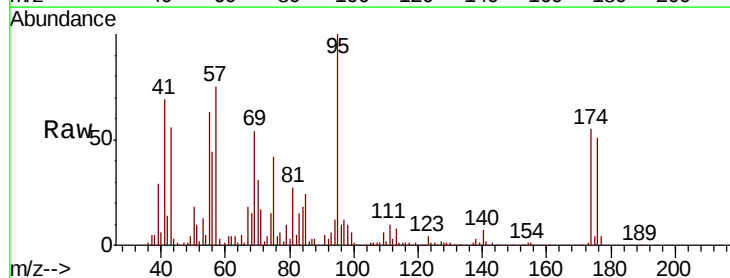
Instrument :
MSVOA_F
ClientSampled :
T-2

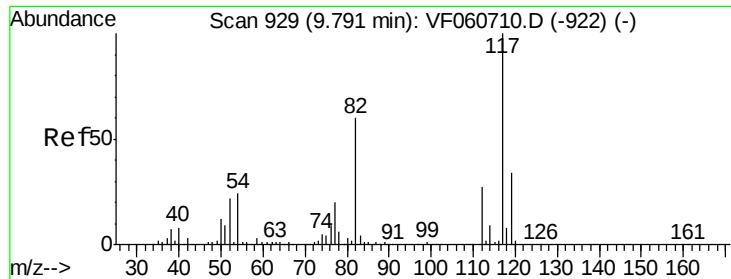
Tot Ion: 43 Resp: 106149
Ion Ratio Lower Upper
43 100
58 14.4 24.9 74.7#



#62
4-Bromofluorobenzene
Concen: 48.527 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 95 Resp: 131927
Ion Ratio Lower Upper
95 100
174 55.1 0.0 121.6
176 51.1 0.0 115.2

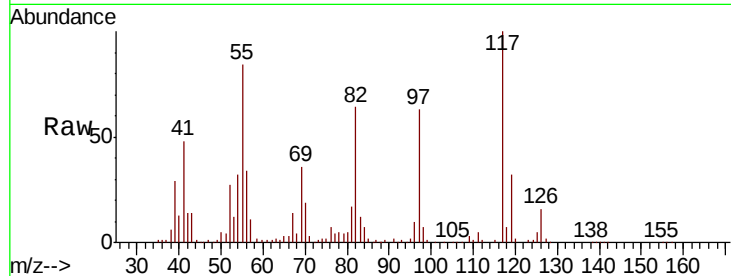




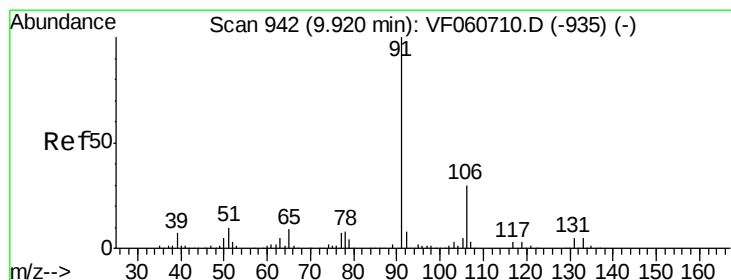
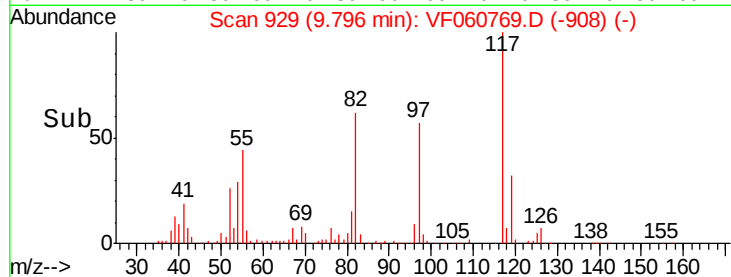
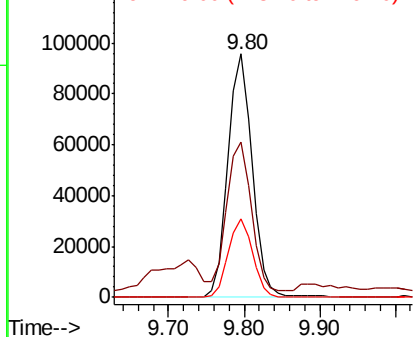
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
T-2

Tot Ion:117 Resp: 213458
Ion Ratio Lower Upper
117 100
82 63.6 47.9 71.9
119 32.3 26.8 40.2

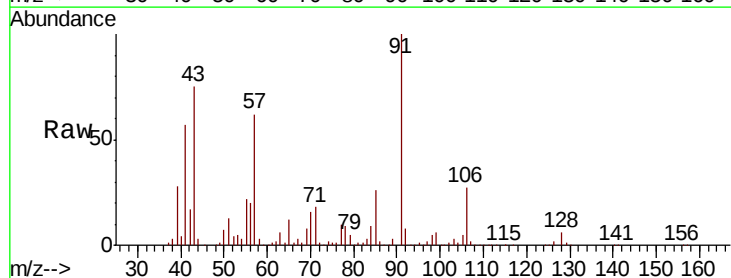


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

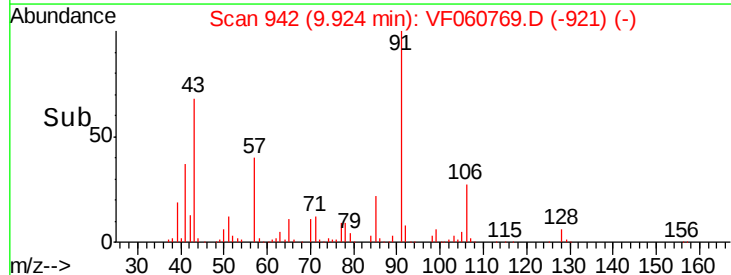
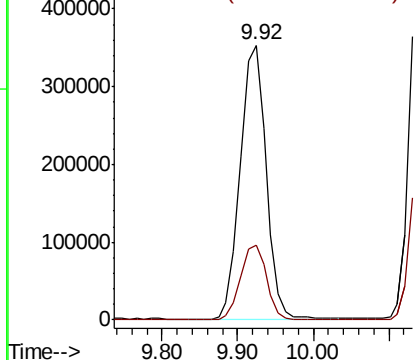


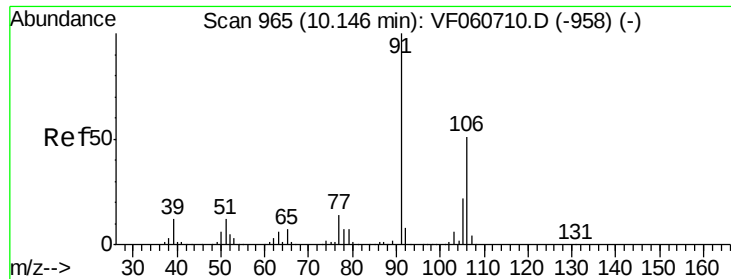
#67
Ethyl Benzene
Concen: 103.760 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 91 Resp: 842452
Ion Ratio Lower Upper
91 100
106 27.0 23.9 35.9



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

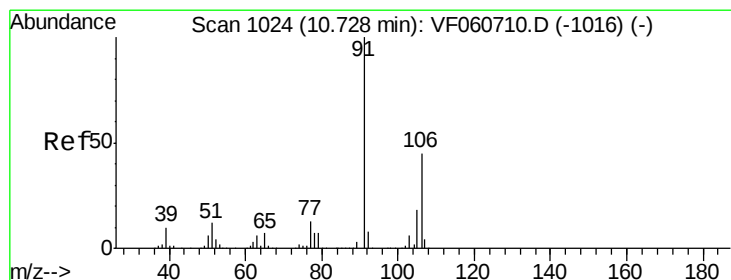
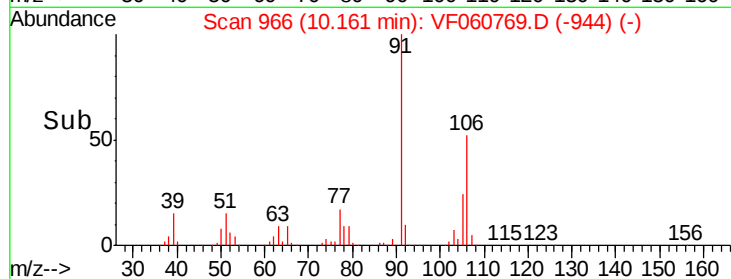
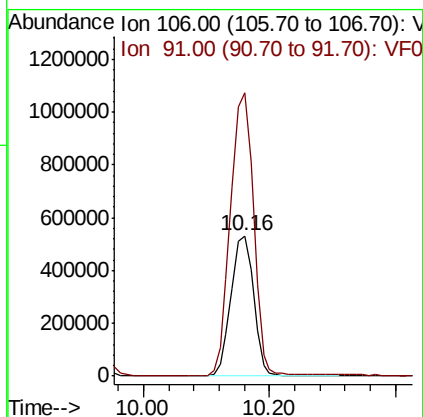
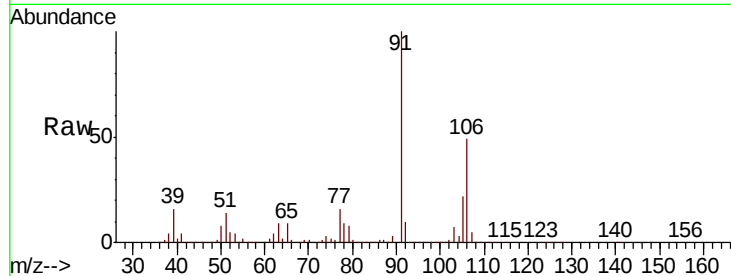




#68
m/p-Xylenes
Concen: 455.945 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

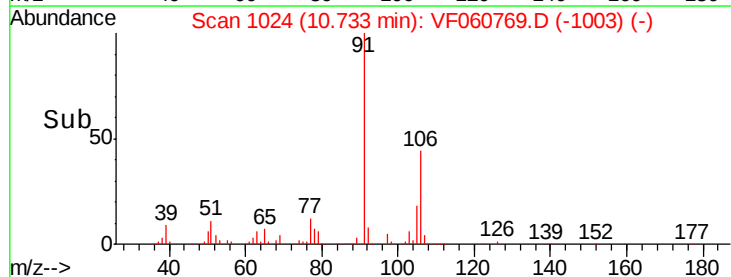
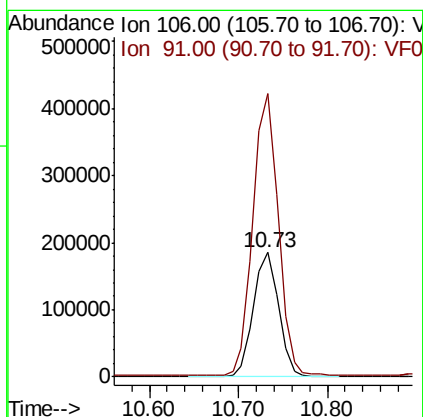
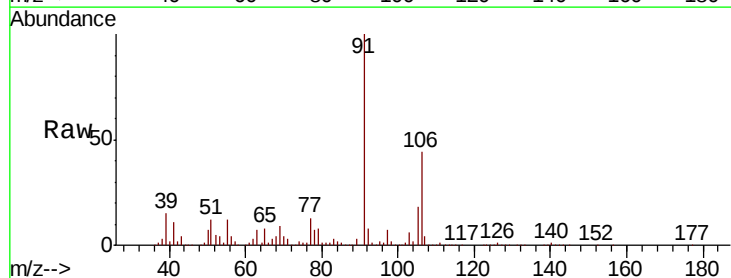
Instrument :
MSVOA_F
ClientSampled :
T-2

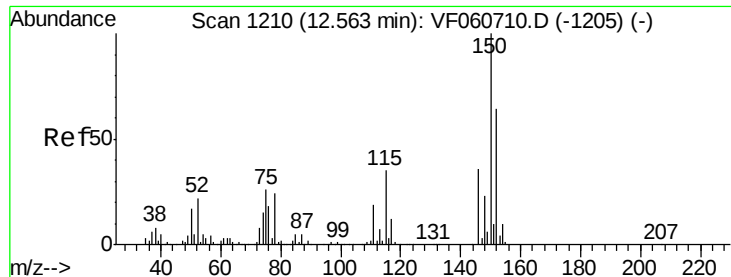
Tot Ion:106 Resp: 1322967
Ion Ratio Lower Upper
106 100
91 202.1 158.2 237.2



#69
o-Xylene
Concen: 110.008 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion:106 Resp: 358869
Ion Ratio Lower Upper
106 100
91 227.3 110.3 330.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

T-2

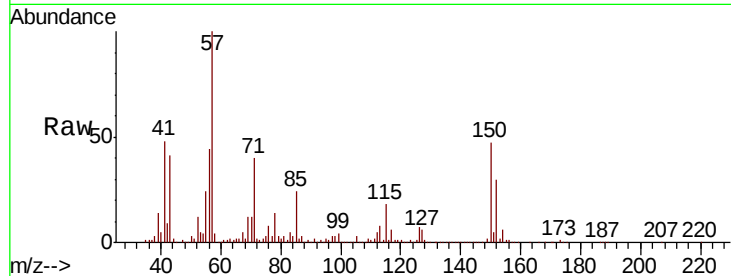
Tot Ion:152 Resp: 124938

Ion Ratio Lower Upper

152 100

115 59.5 27.9 83.7

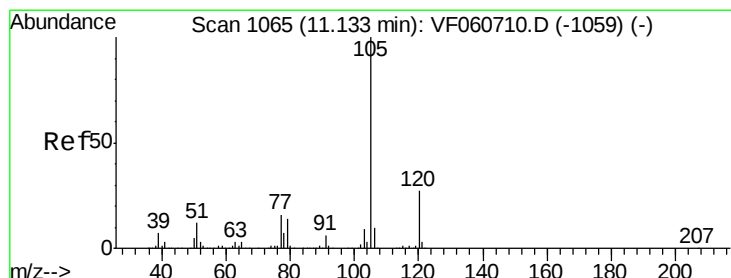
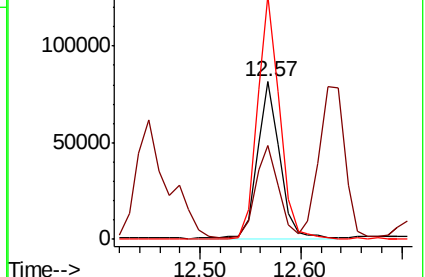
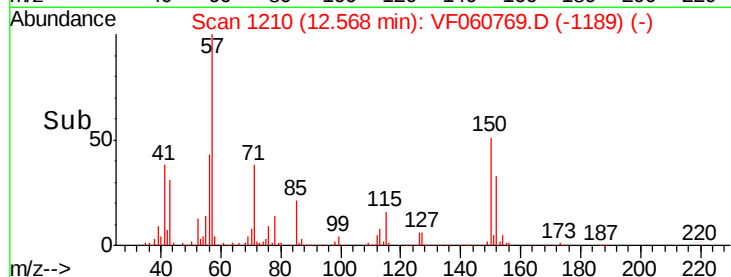
150 154.6 0.0 316.4



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: 76.676 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060769.D

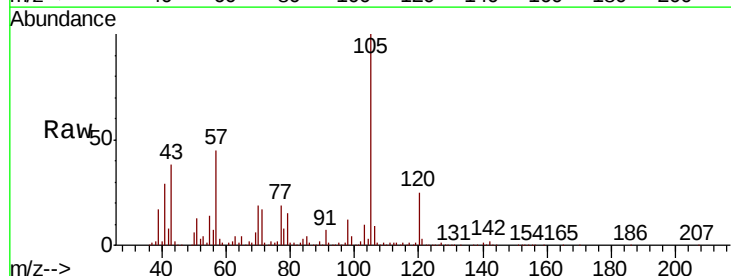
Acq: 16 Nov 2018 17:27

Tgt Ion:105 Resp: 771108

Ion Ratio Lower Upper

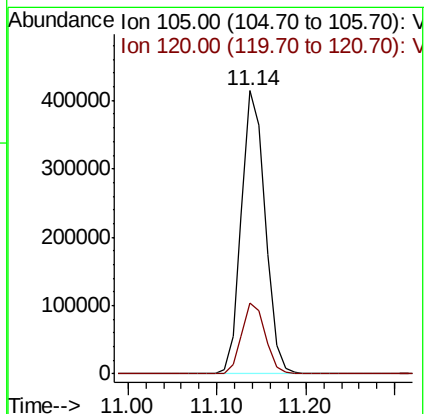
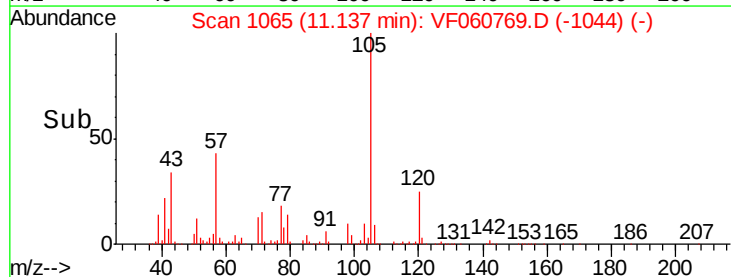
105 100

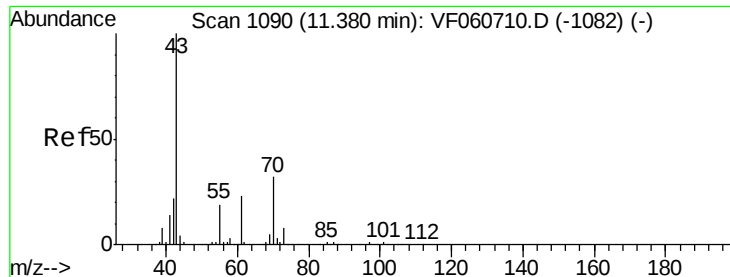
120 25.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 100.782 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.07 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

T-2

Tot Ion: 43 Resp: 230730

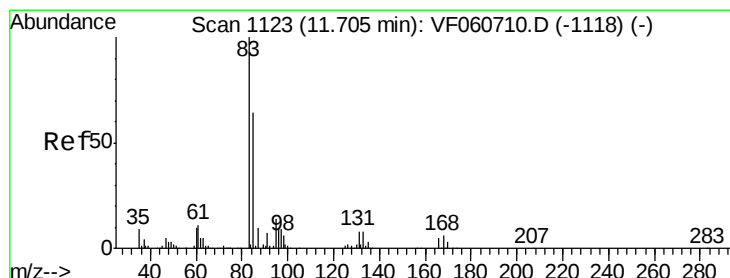
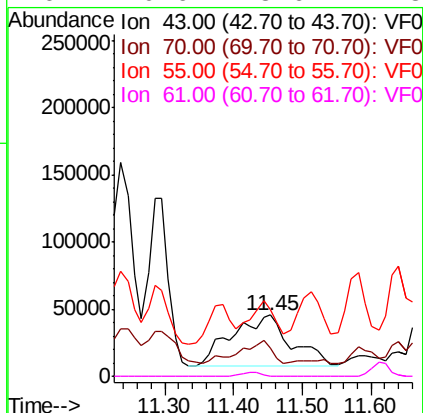
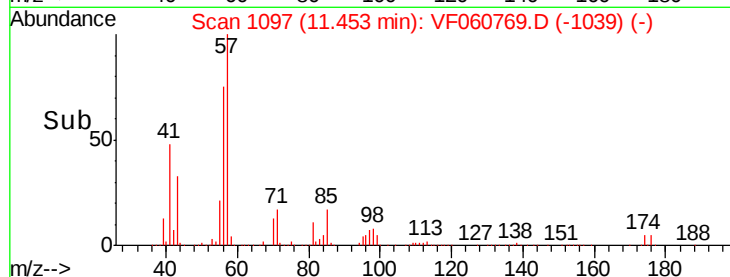
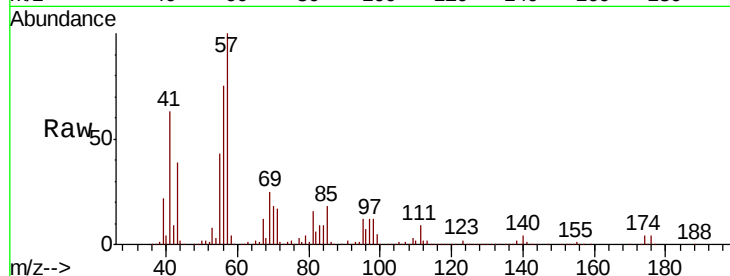
Ion Ratio Lower Upper

43 100

70 46.6 25.5 38.3#

55 108.9 14.9 22.3#

61 0.6 18.6 27.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 29.683 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

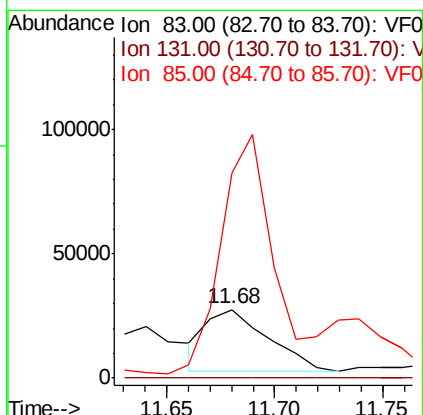
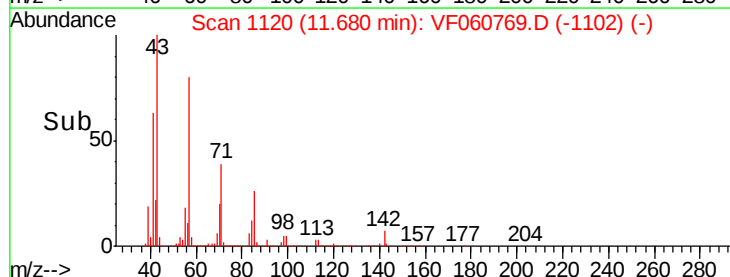
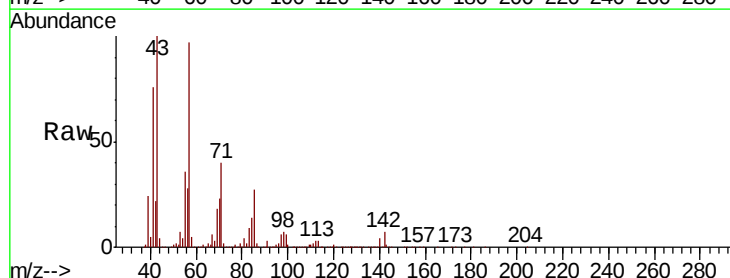
Tgt Ion: 83 Resp: 49352

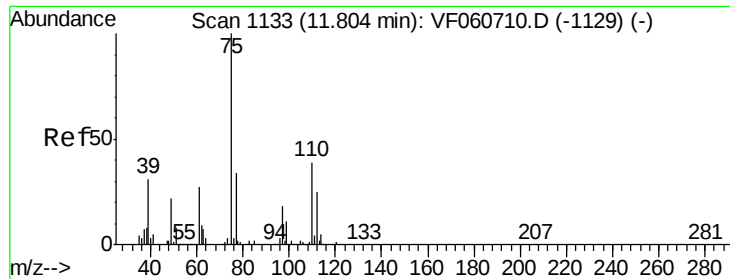
Ion Ratio Lower Upper

83 100

131 0.9 4.2 12.4#

85 300.1 32.0 96.2#

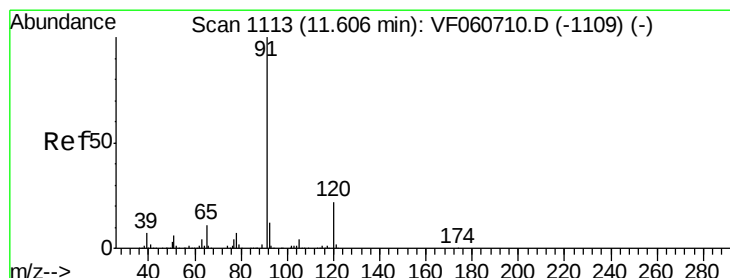
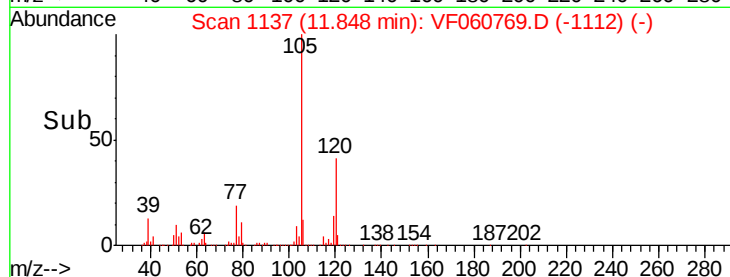
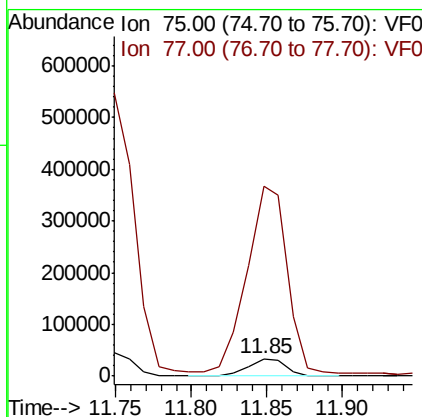
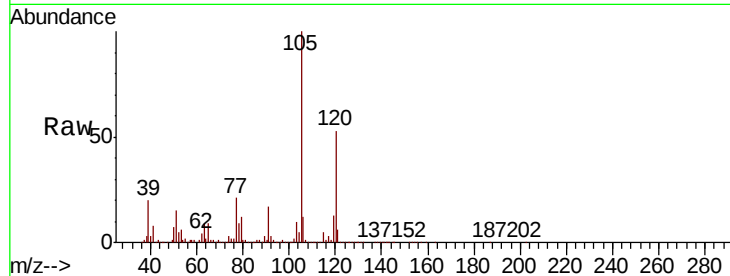




#76
 1,2,3-Trichloropropane
 Concen: 48.189 ug/l
 RT: 11.85 min Scan# 1137
 Delta R.T. 0.04 min
 Lab File: VF060769.D
 Acq: 16 Nov 2018 17:27

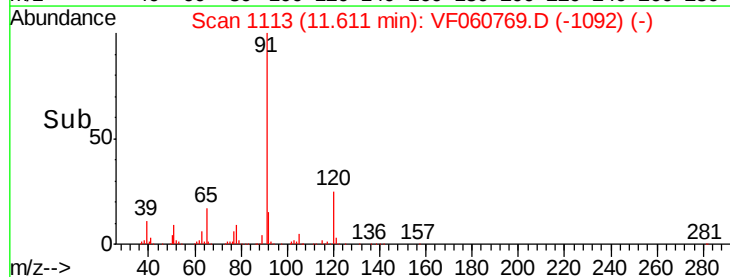
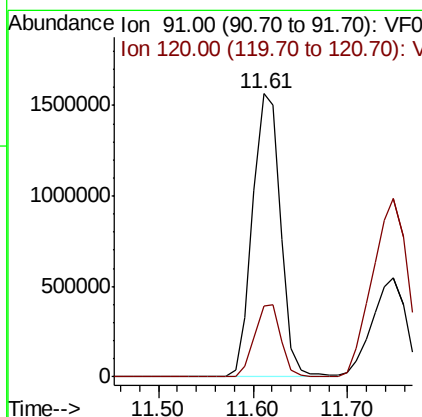
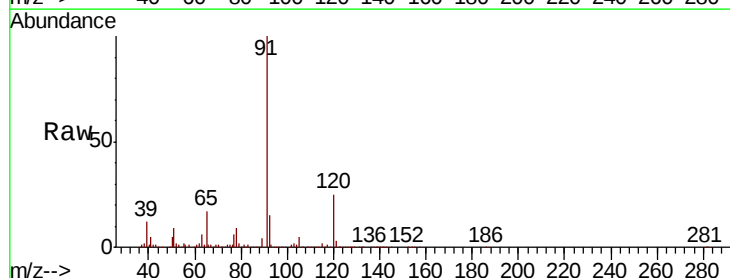
Instrument :
 MSVOA_F
 ClientSampleId :
 T-2

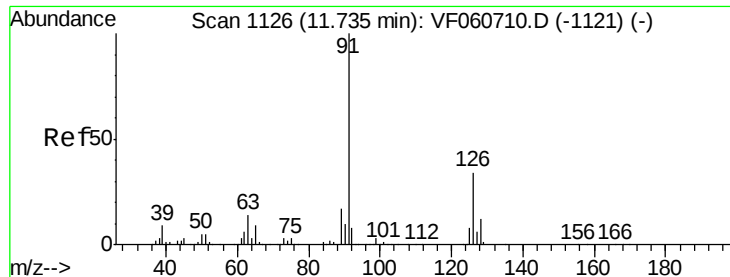
Tot Ion: 75 Resp: 59505
 Ion Ratio Lower Upper
 75 100
 77 1099.0 17.0 51.0#



#78
 n-propylbenzene
 Concen: 274.684 ug/l
 RT: 11.61 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VF060769.D
 Acq: 16 Nov 2018 17:27

Tgt Ion: 91 Resp: 3221732
 Ion Ratio Lower Upper
 91 100
 120 25.2 11.2 33.5

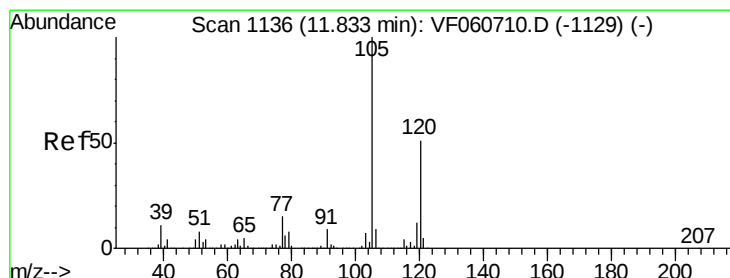
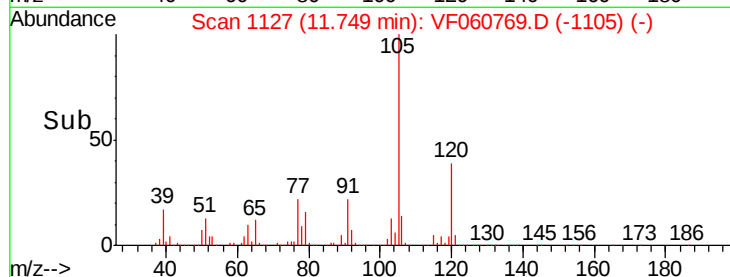
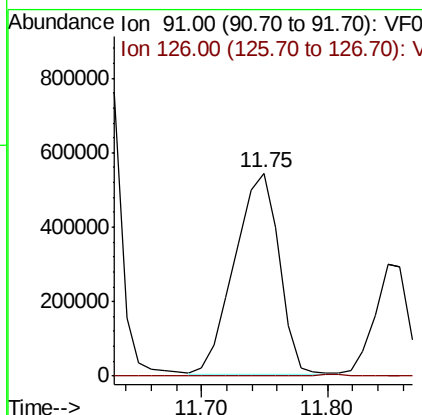
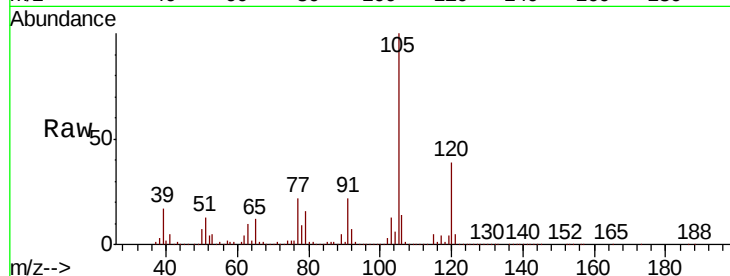




#79
 2-Chlorotoluene
 Concen: 195.185 ug/l
 RT: 11.75 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: VF060769.D
 Acq: 16 Nov 2018 17:27

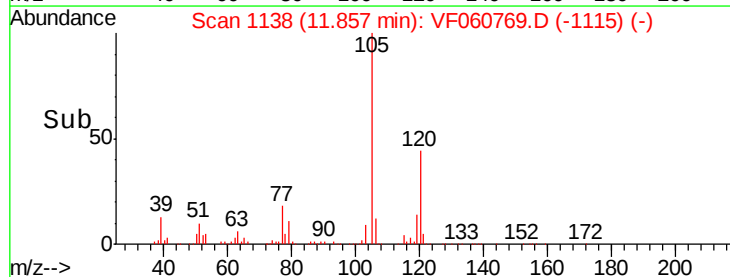
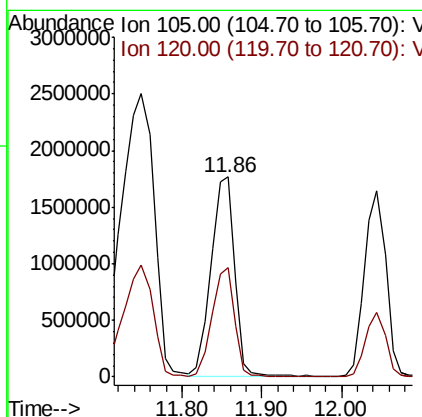
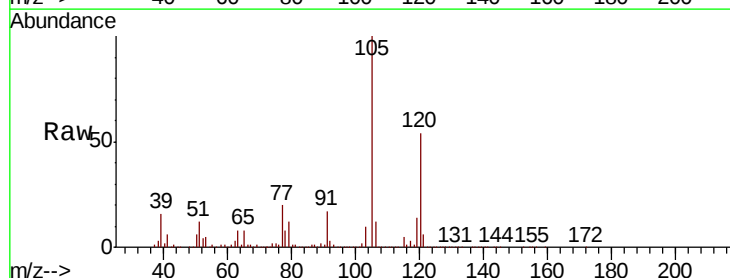
Instrument :
 MSVOA_F
 ClientSampled :
 T-2

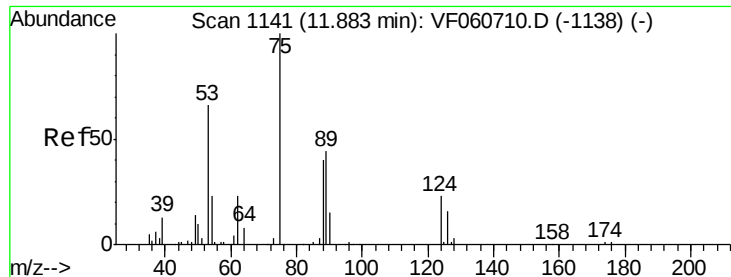
Tot Ion: 91 Resp: 1330562
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 460.711 ug/l
 RT: 11.86 min Scan# 1138
 Delta R.T. 0.02 min
 Lab File: VF060769.D
 Acq: 16 Nov 2018 17:27

Tgt Ion: 105 Resp: 3678361
 Ion Ratio Lower Upper
 105 100
 120 54.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 97.776 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. -0.03 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

T-2

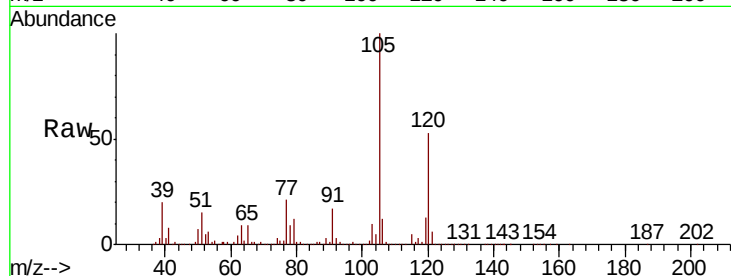
Tot Ion: 75 Resp: 59316

Ion Ratio Lower Upper

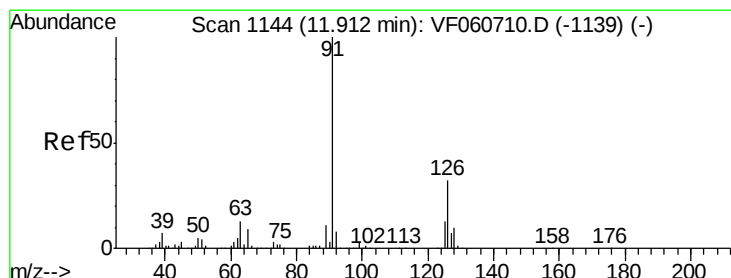
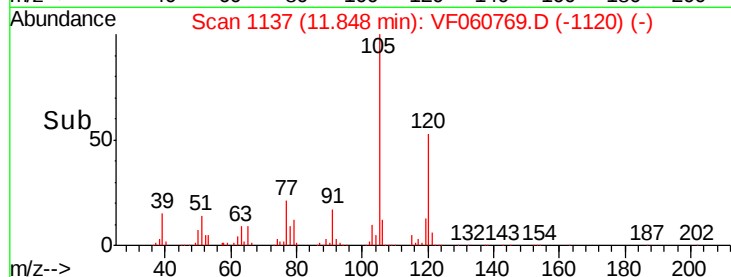
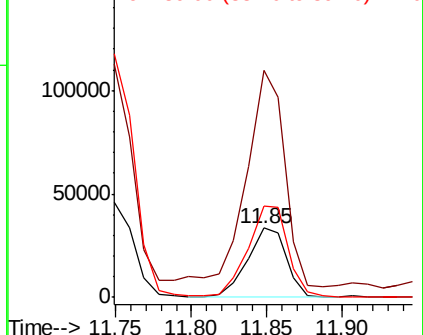
75 100

53 328.3 57.0 85.4#

89 132.7 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: 78.470 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. -0.06 min

Lab File: VF060769.D

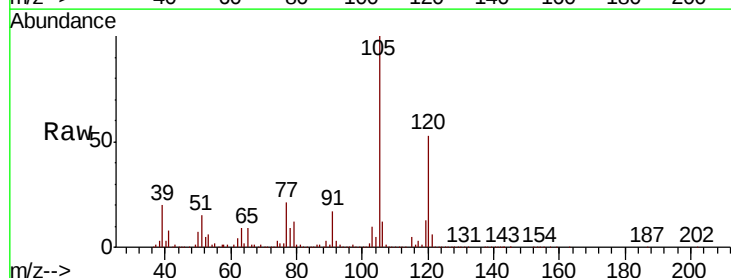
Acq: 16 Nov 2018 17:27

Tgt Ion: 91 Resp: 548005

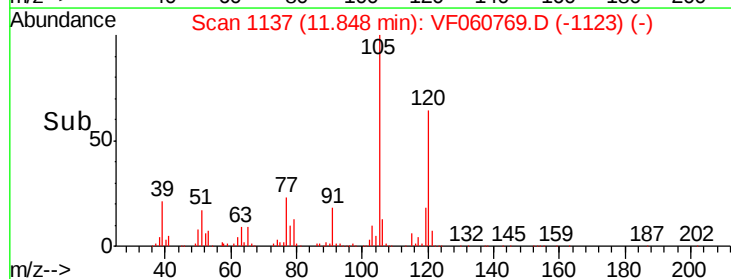
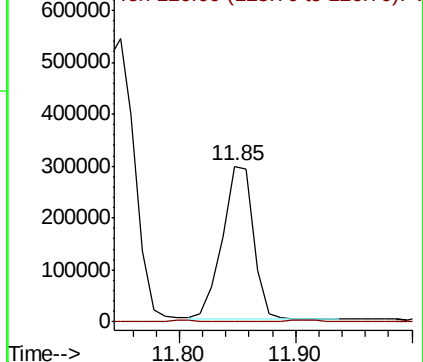
Ion Ratio Lower Upper

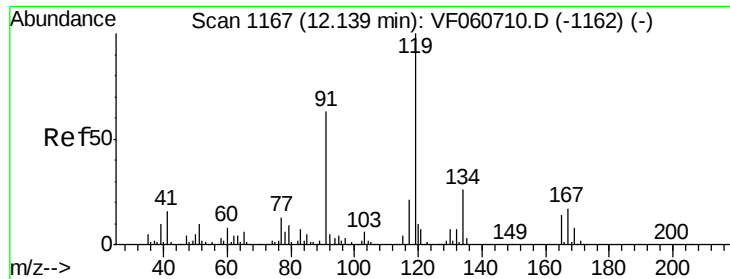
91 100

126 0.1 16.0 47.9#



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

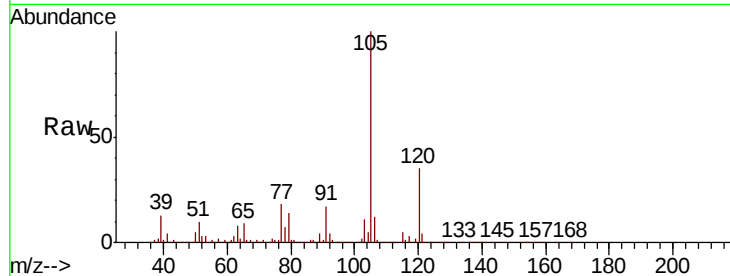




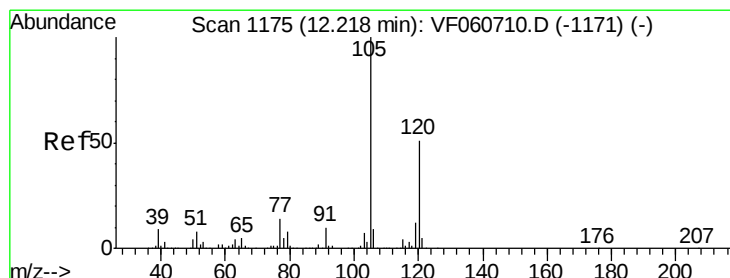
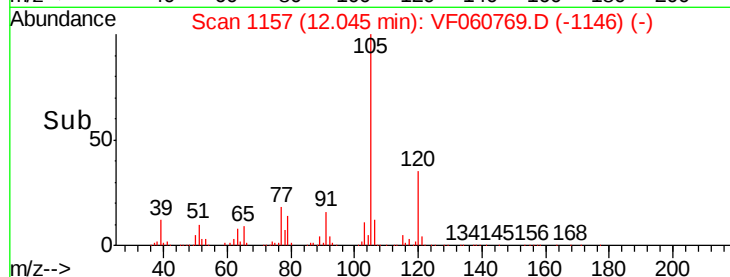
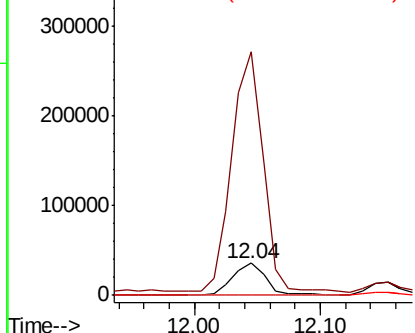
#83
tert-Butylbenzene
Concen: 7.175 ug/l
RT: 12.04 min Scan# 1157
Delta R.T. -0.09 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Instrument :
MSVOA_F
ClientSampled :
T-2

Tot Ion:119 Resp: 60828
Ion Ratio Lower Upper
119 100
91 754.3 31.4 94.3#
134 0.3 12.8 38.4#

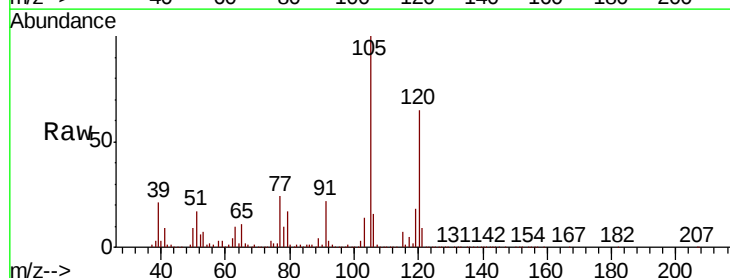


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

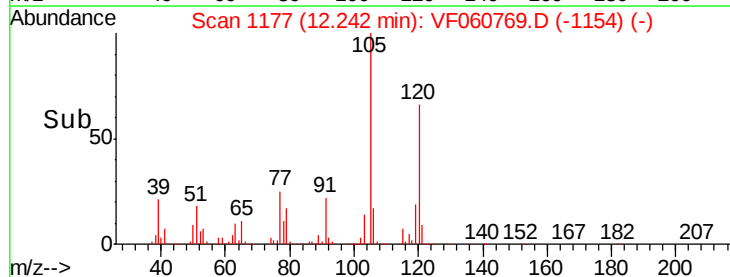
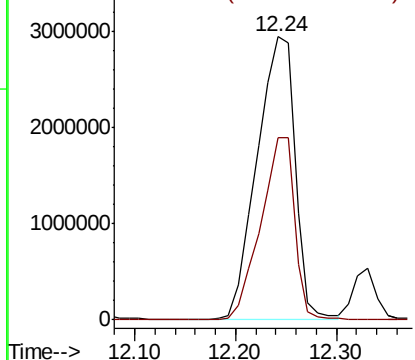


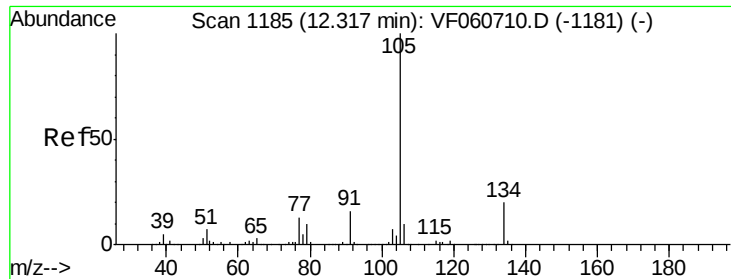
#84
1,2,4-Trimethylbenzene
Concen: 929.458 ug/l
RT: 12.24 min Scan# 1177
Delta R.T. 0.02 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion:105 Resp: 7674842
Ion Ratio Lower Upper
105 100
120 64.6 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

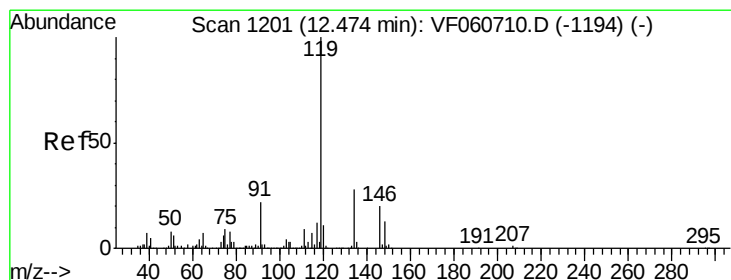
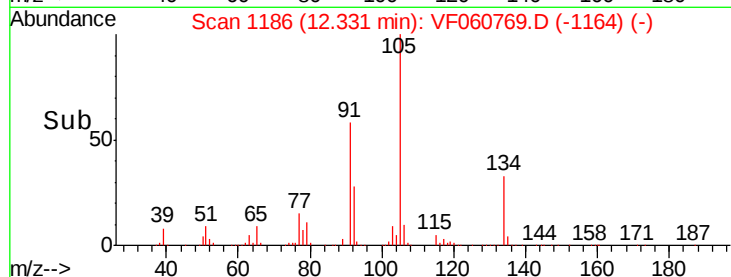
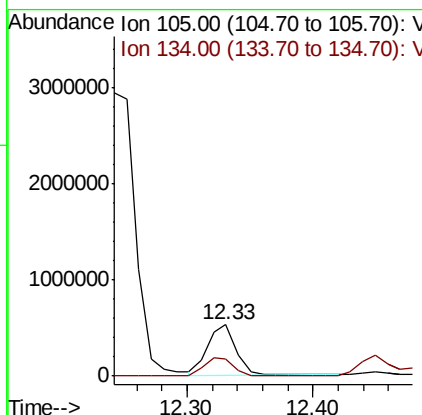
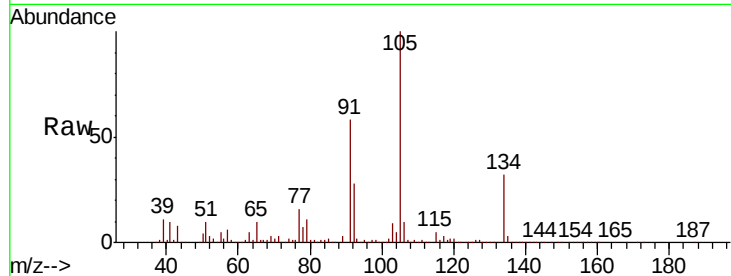




#85
 sec-Butylbenzene
 Concen: 72.327 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF060769.D
 Acq: 16 Nov 2018 17:27

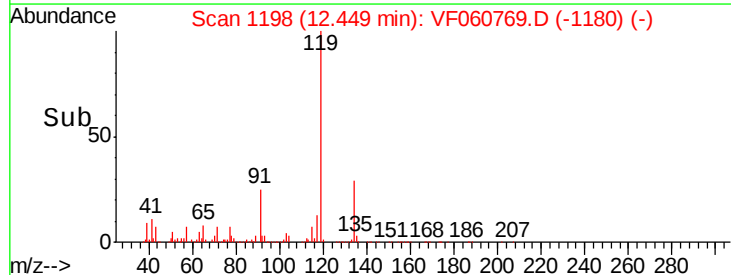
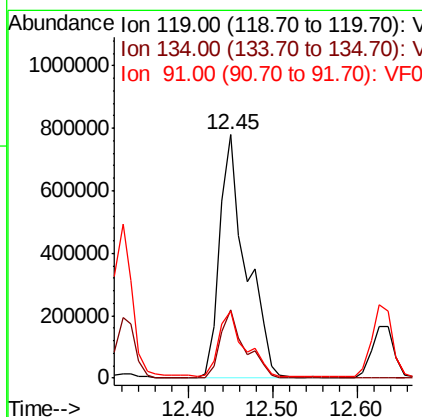
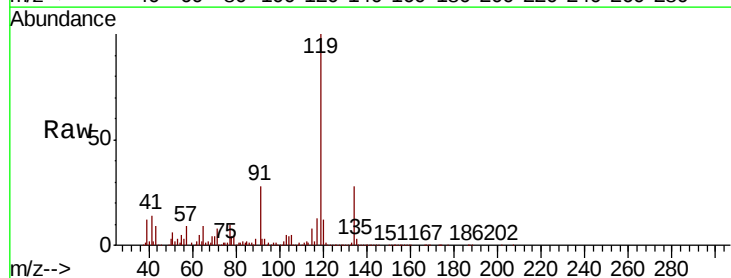
Instrument :
 MSVOA_F
 ClientSampleId :
 T-2

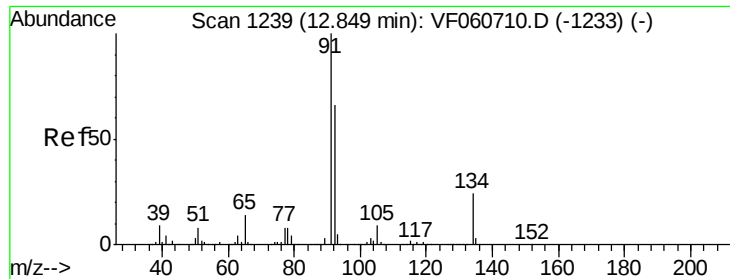
Tot Ion:105 Resp: 831725
 Ion Ratio Lower Upper
 105 100
 134 32.2 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 175.938 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: VF060769.D
 Acq: 16 Nov 2018 17:27

Tgt Ion:119 Resp: 1689775
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.9 41.7
 91 27.7 11.3 33.9

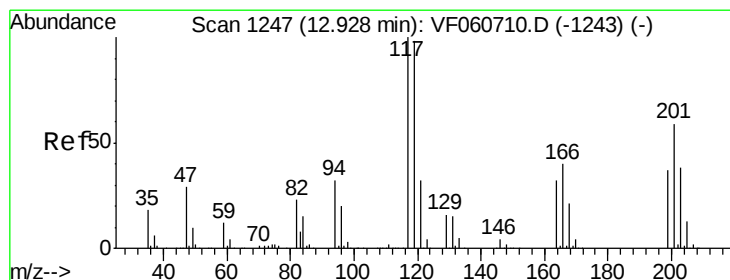
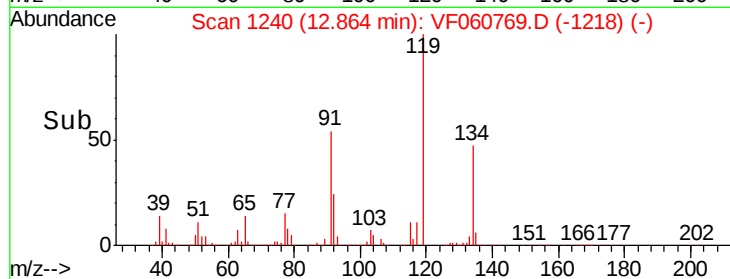
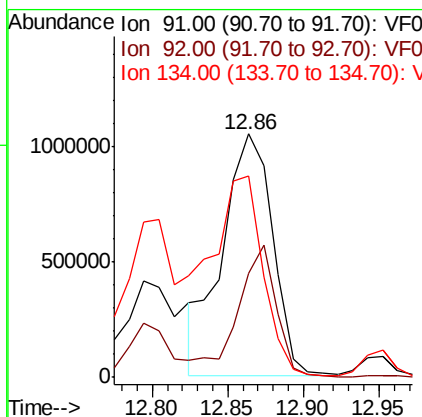
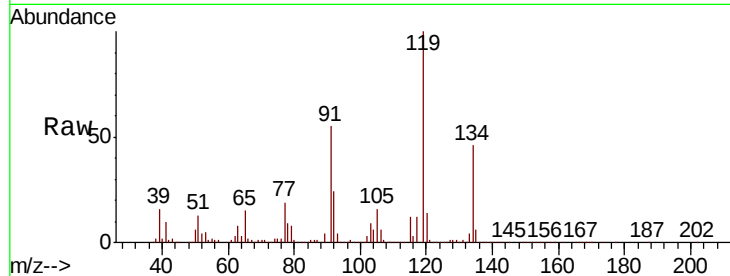




#89
n-Butylbenzene
Concen: 246.311 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

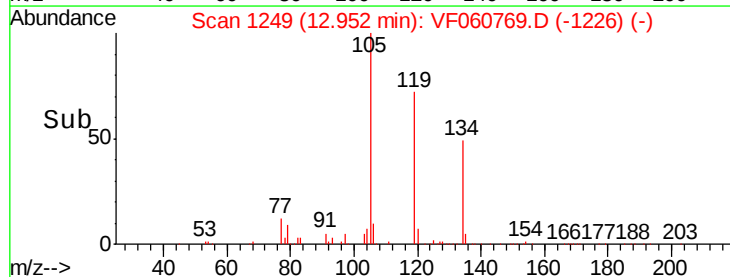
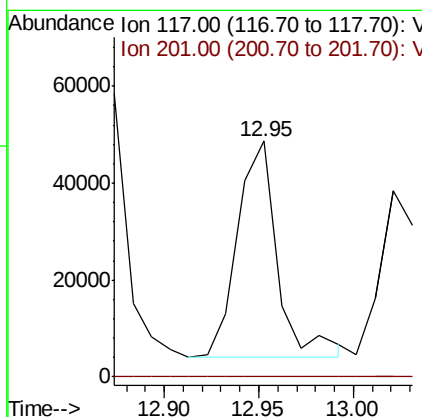
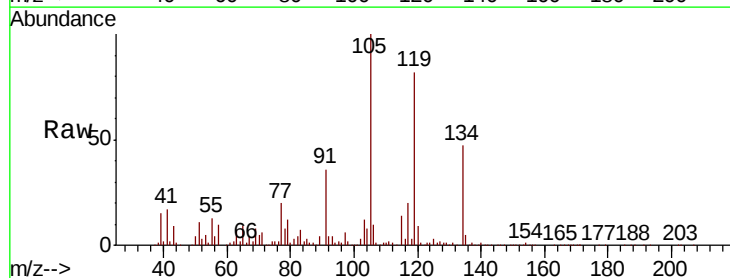
Instrument :
MSVOA_F
ClientSampled :
T-2

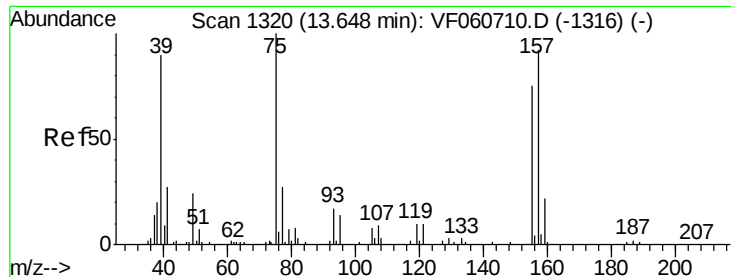
Tot Ion: 91 Resp: 2414201
Ion Ratio Lower Upper
91 100
92 42.6 33.1 99.2
134 82.7 11.9 35.9#



#90
Hexachloroethane
Concen: 27.941 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.02 min
Lab File: VF060769.D
Acq: 16 Nov 2018 17:27

Tgt Ion: 117 Resp: 65638
Ion Ratio Lower Upper
117 100
201 0.0 29.4 88.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 57.603 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Instrument :

MSVOA_F

ClientSampled :

T-2

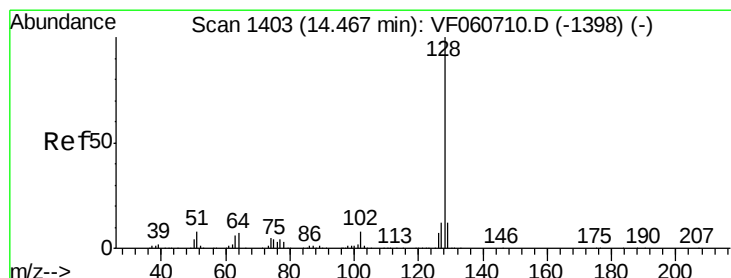
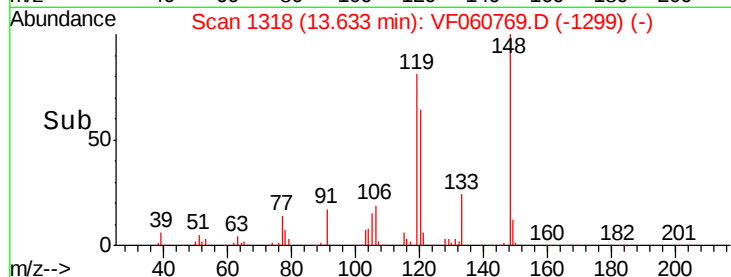
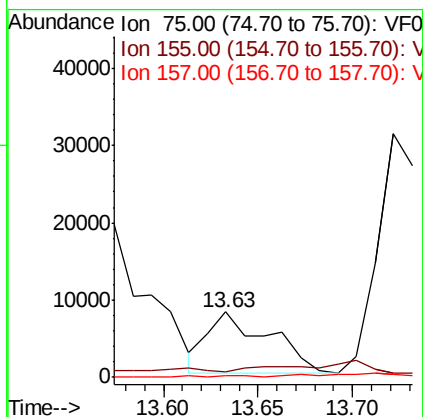
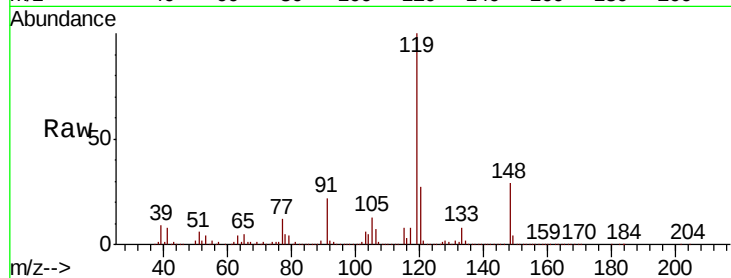
Tot Ion: 75 Resp: 18001

Ion Ratio Lower Upper

75 100

155 8.9 37.4 112.2#

157 3.0 46.0 138.0#



#95

Naphthalene

Concen: 145.496 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF060769.D

Acq: 16 Nov 2018 17:27

Tgt Ion:128 Resp: 748461

Ion Ratio Lower Upper

128 100

127 14.7 9.8 14.6#

129 14.6 9.3 13.9#

