

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111518\
 Data File : VF060745.D
 Acq On : 15 Nov 2018 14:27
 Operator : VA/AP
 Sample : J5915-08
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 16 04:36:01 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	4.86	168	248040	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	439036	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	372753	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	196368	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	112443	39.74	ug/l	-0.03
Spiked Amount			Recovery	=	79.48%	
35) Dibromofluoromethane	4.09	113	128449	38.92	ug/l	-0.04
Spiked Amount			Recovery	=	77.84%	
50) Toluene-d8	7.54	98	327424	37.76	ug/l	-0.03
Spiked Amount			Recovery	=	75.52%	
62) 4-Bromofluorobenzene	11.40	95	163805	41.23	ug/l	-0.02
Spiked Amount			Recovery	=	82.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	872	6.772	ug/l #	1
13) Acrolein	1.99	56	20042	170.236	ug/l #	22
14) Allyl chloride	2.17	41	111185	31.363	ug/l #	25
15) Acrylonitrile	2.91	53	6130	22.342	ug/l #	28
16) Acetone	2.23	43	42198	69.781	ug/l	97
18) Methyl Acetate	2.36	43	100324	101.034	ug/l #	64
25) 2-Butanone	4.32	43	67583	67.946	ug/l #	72
29) Tetrahydrofuran	3.99	42	79318	193.326	ug/l #	1
30) Chloroform	3.84	83	24302	3.655	ug/l #	27
31) Cyclohexane	3.72	56	152081	30.240	ug/l #	45
37) Ethyl Acetate	3.99	43	403918	213.374	ug/l #	1
39) Methylcyclohexane	5.44	83	81149	13.737	ug/l #	78
41) Methacrylonitrile	4.65	41	384937	412.819	ug/l #	47
43) Isopropyl Acetate	6.80	43	515994	205.585	ug/l #	48
47) Bromodichloromethane	6.30	83	20806	4.179	ug/l #	29
48) Methyl methacrylate	6.58	41	289057	174.016	ug/l #	46
51) 4-Methyl-2-Pentanone	8.26	43	104887	57.780	ug/l #	45
52) Toluene	7.61	92	17986	2.365	ug/l	99
55) 1,1,2-Trichloroethane	8.38	97	11167	5.139	ug/l #	18
56) Ethyl methacrylate	8.62	69	51766	20.974	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.61	63	4266	18.921	ug/l	100
59) 2-Hexanone	9.40	43	18516	14.514	ug/l #	33
67) Ethyl Benzene	9.89	91	407850	28.766	ug/l	99
68) m/p-Xylenes	10.12	106	626475	123.640	ug/l	98
69) o-Xylene	10.70	106	227546	39.944	ug/l	98
73) Isopropylbenzene	11.11	105	187448	11.859	ug/l	97
74) N-amyl acetate	11.38	43	34907	9.701	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.65	83	13878	5.311	ug/l #	1
76) 1,2,3-Trichloropropane	11.81	75	15420	7.945	ug/l #	1
78) n-propylbenzene	11.59	91	1069278	58.004	ug/l	99
79) 2-Chlorotoluene	11.71	91	377164	35.202	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.81	105	1306512	104.114	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.81	75	15388	16.139	ug/l #	1
82) 4-Chlorotoluene	11.81	91	148154	13.498	ug/l #	43

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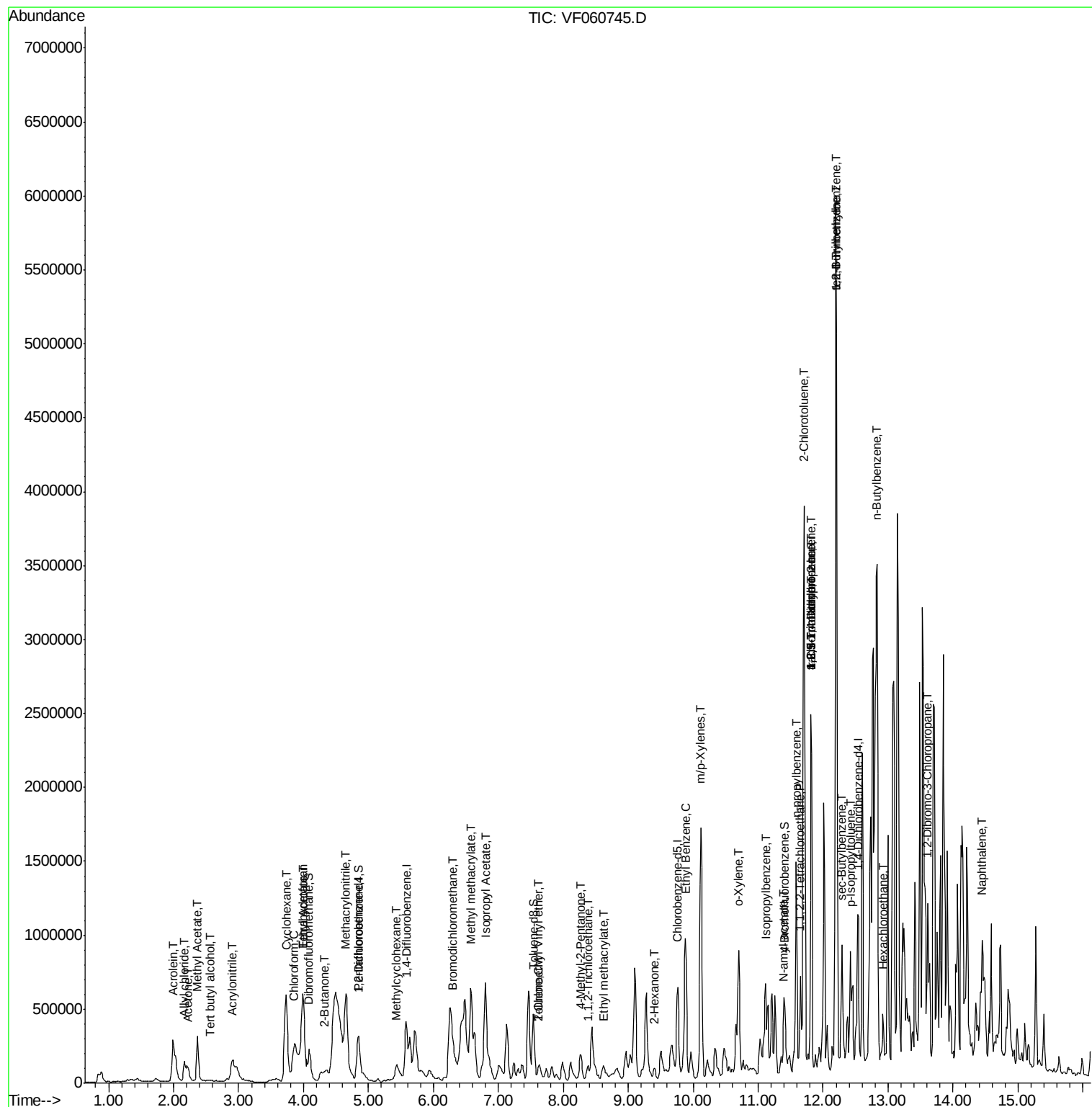
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.20	119	401773	30.154	ug/l #	42
84) 1,2,4-Trimethylbenzene	12.20	105	2937850	226.367	ug/l	93
85) sec-Butylbenzene	12.30	105	251348	13.906	ug/l #	62
86) p-Isopropyltoluene	12.43	119	474316	31.421	ug/l	98
89) n-Butylbenzene	12.84	91	851732	55.289	ug/l #	75
90) Hexachloroethane	12.92	117	16857	4.566	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	13.61	75	5537	11.273	ug/l #	7
95) Naphthalene	14.45	128	312188	38.612	ug/l #	95

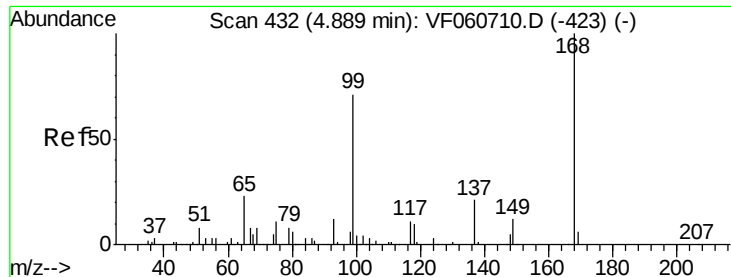
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

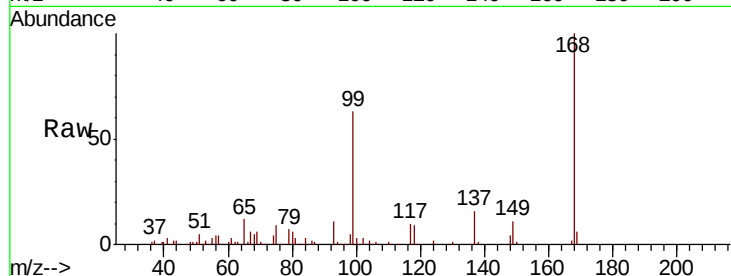
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 248040

Ion Ratio Lower Upper

168 100

99 63.5 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

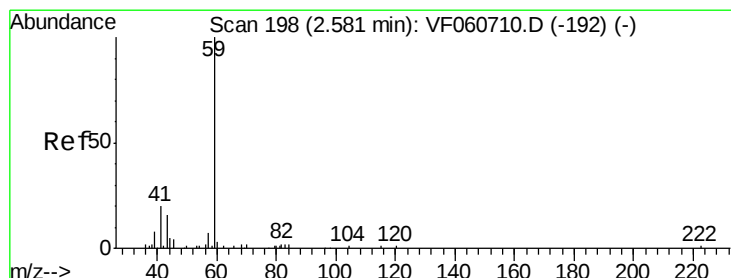
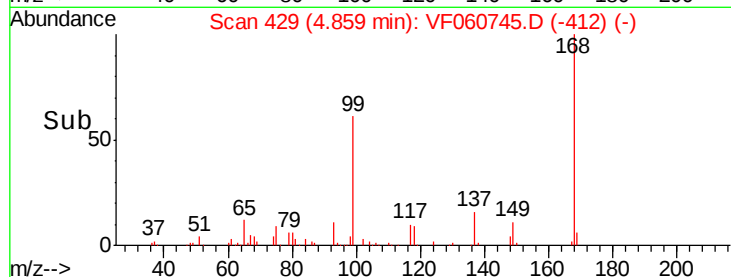
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.772 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF060745.D

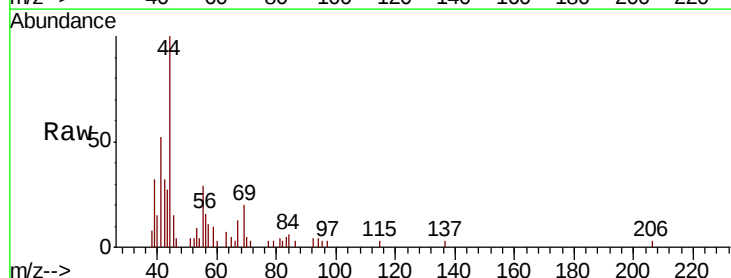
Acq: 15 Nov 2018 14:27

Tgt Ion: 59 Resp: 872

Ion Ratio Lower Upper

59 100

57 114.8 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

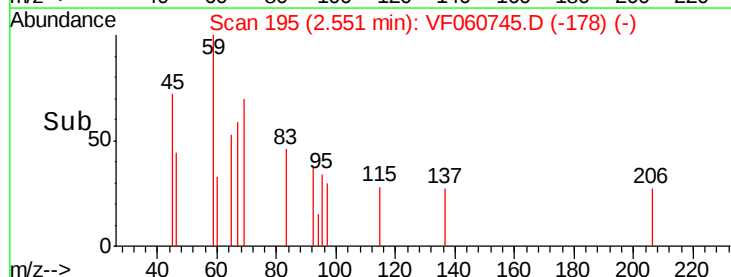
600

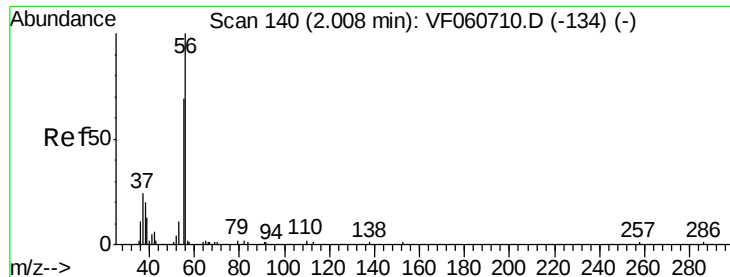
400

200

0

Time-->





#13

Acrolein

Concen: 170.236 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :

MSVOA_F

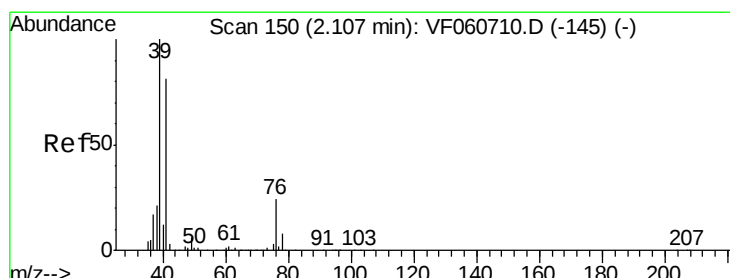
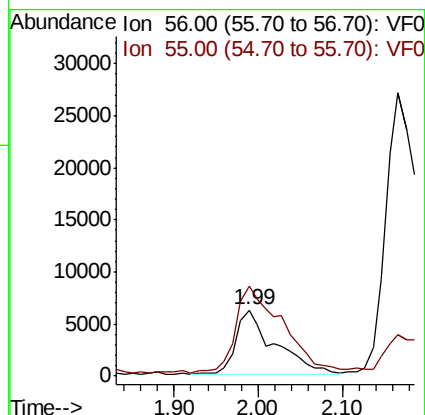
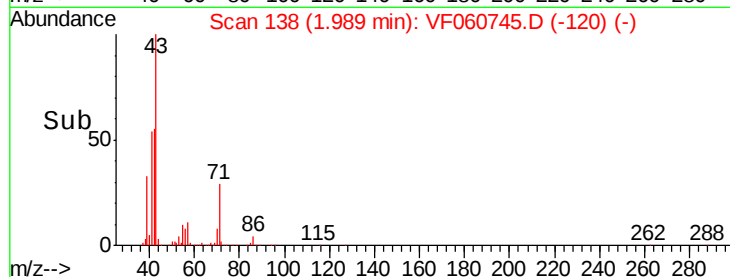
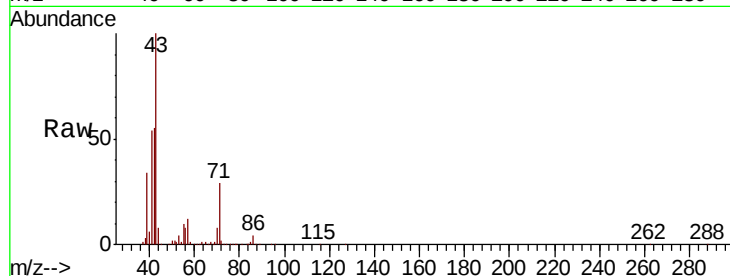
ClientSampleId :

Tot Ion: 56 Resp: 20042

Ion Ratio Lower Upper

56 100

55 135.5 56.6 85.0#



#14

Allyl chloride

Concen: 31.363 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.06 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

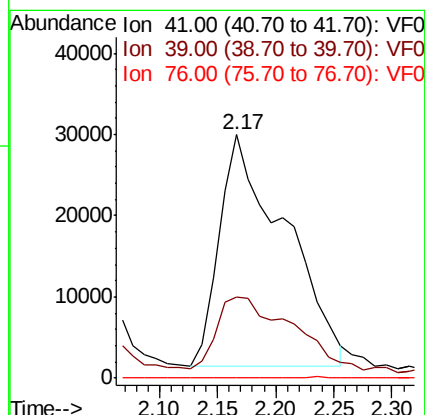
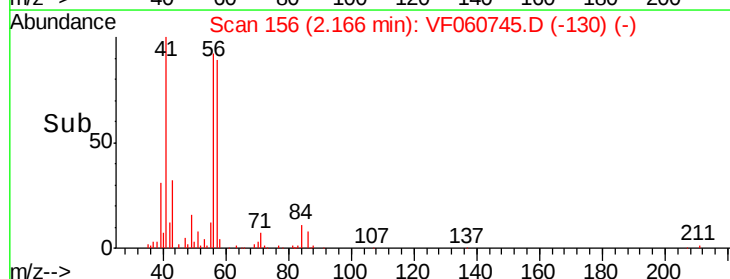
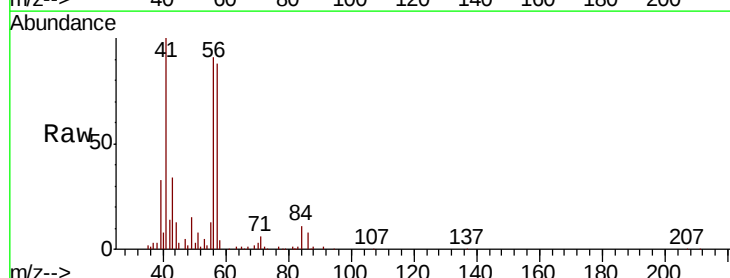
Tgt Ion: 41 Resp: 111185

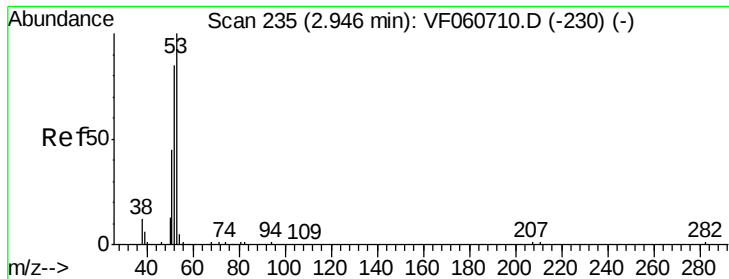
Ion Ratio Lower Upper

41 100

39 33.5 98.5 147.7#

76 0.0 24.5 36.7#





#15

Acrylonitrile

Concen: 22.342 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.04 min

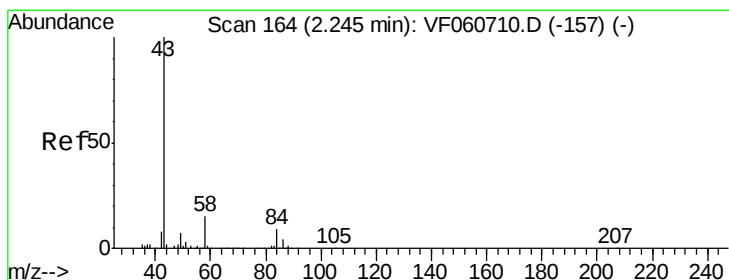
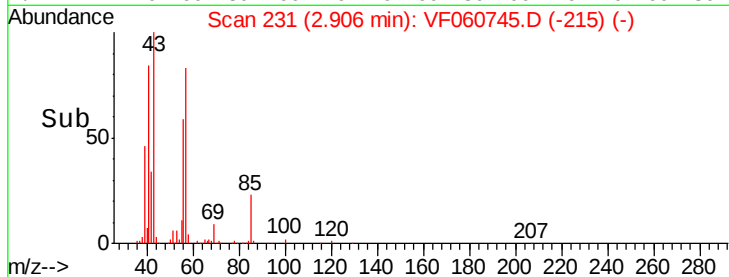
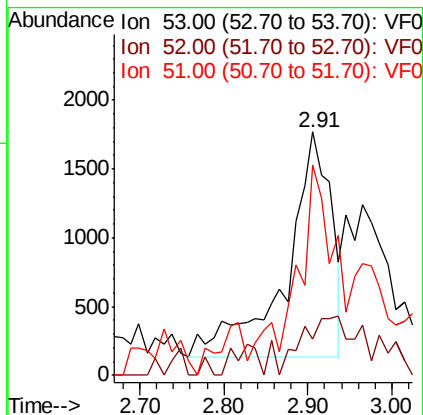
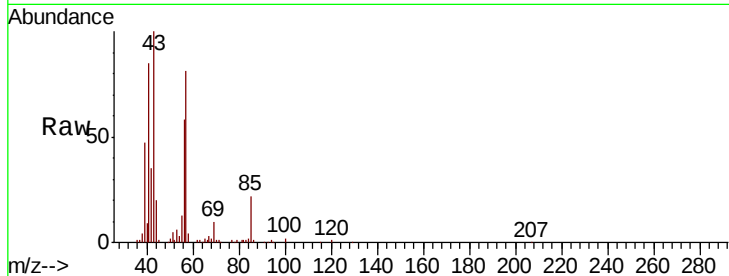
Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 6130

Ion	Ratio	Lower	Upper
53	100		
52	15.0	68.8	103.2#
51	86.4	36.7	55.1#



#16

Acetone

Concen: 69.781 ug/l

RT: 2.23 min Scan# 162

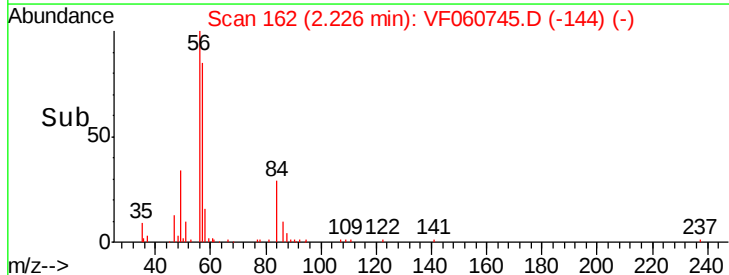
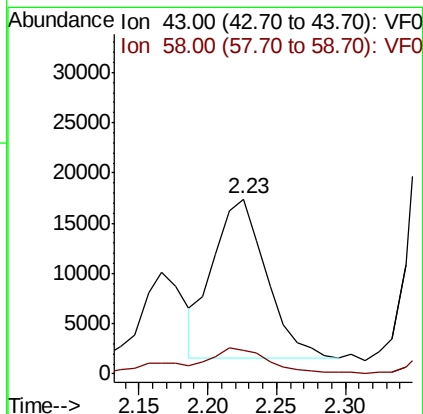
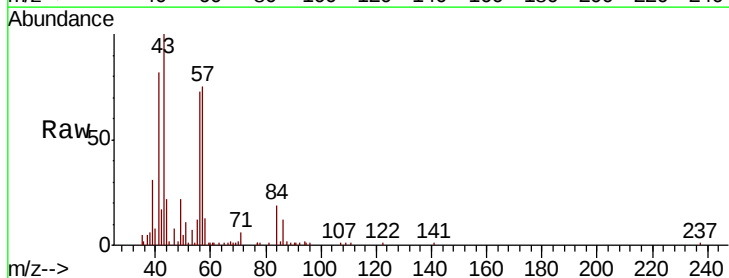
Delta R.T. -0.02 min

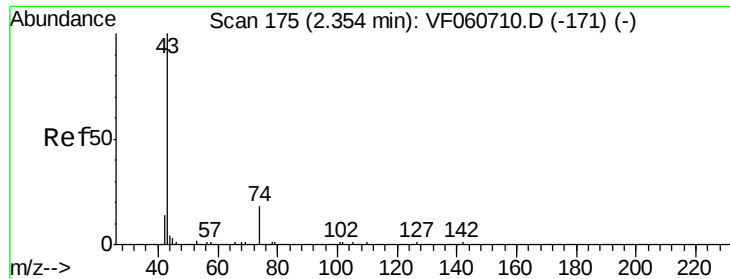
Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Tgt Ion: 43 Resp: 42198

Ion	Ratio	Lower	Upper
43	100		
58	13.4	11.6	17.4

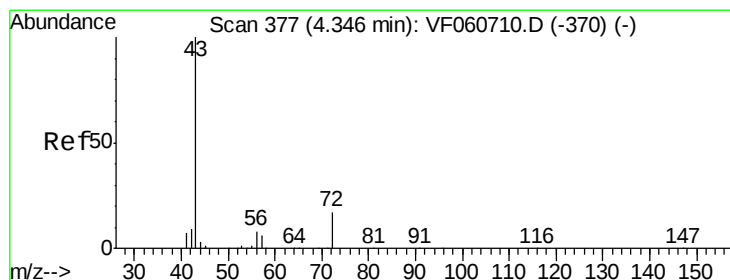
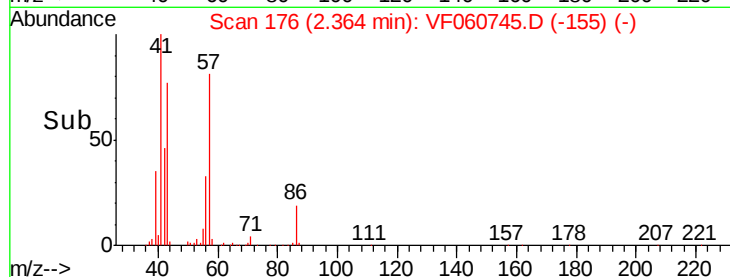
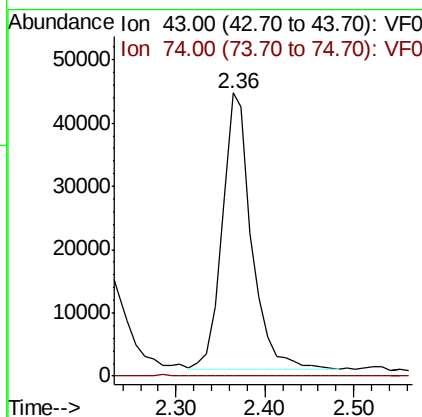
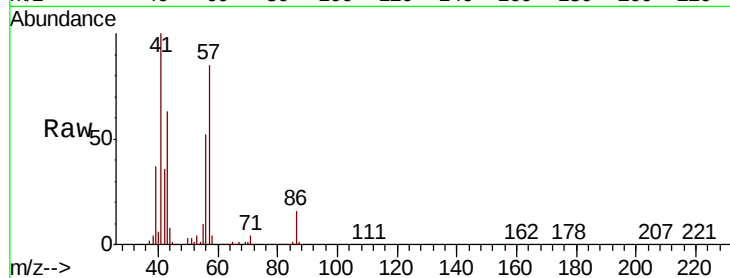




#18
Methyl Acetate
Concen: 101.034 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

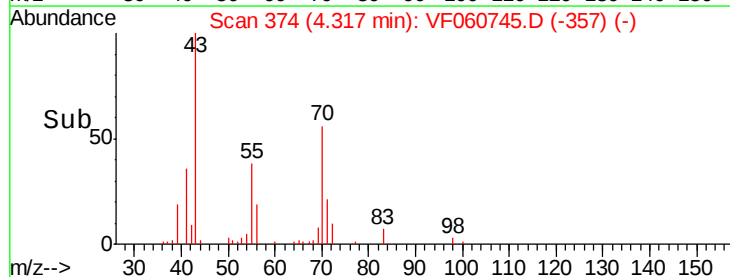
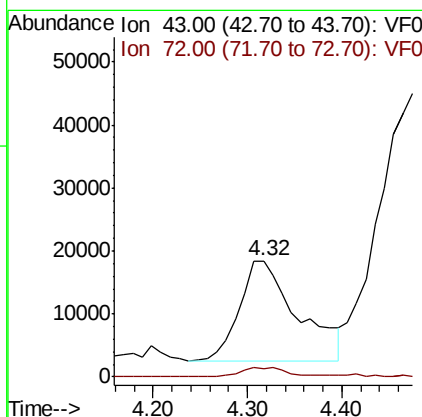
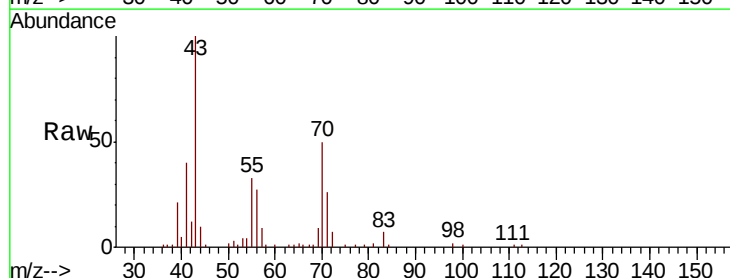
Instrument :
MSVOA_F
ClientSampleId :

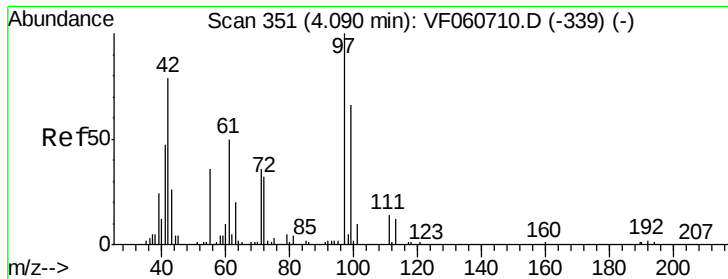
Tot Ion: 43 Resp: 100324
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#25
2-Butanone
Concen: 67.946 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.03 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Tgt Ion: 43 Resp: 67583
Ion Ratio Lower Upper
43 100
72 7.3 16.1 24.1#





#29

Tetrahydrofuran

Concen: 193.326 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.10 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

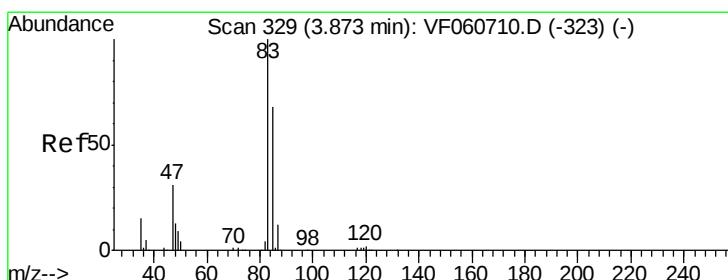
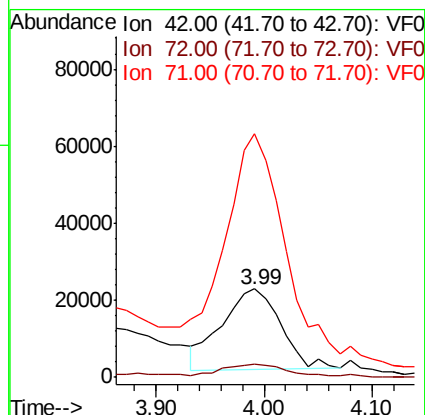
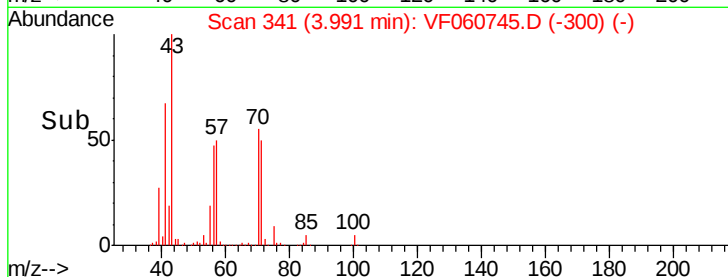
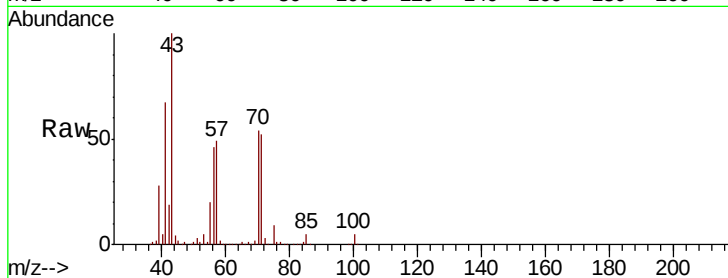
Tot Ion: 42 Resp: 79318

Ion Ratio Lower Upper

42 100

72 19.9 30.3 45.5#

71 356.2 32.2 48.2#



#30

Chloroform

Concen: 3.655 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF060745.D

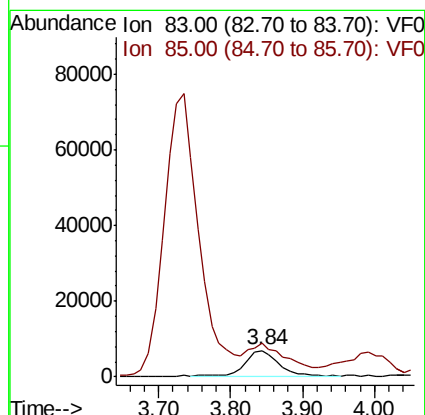
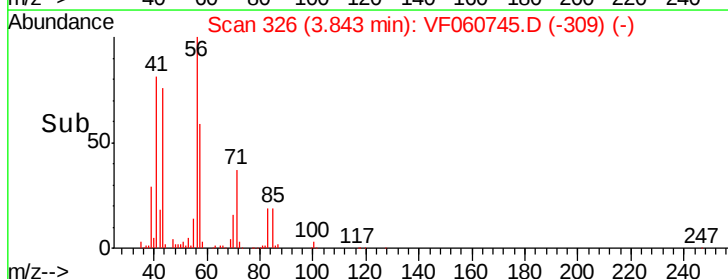
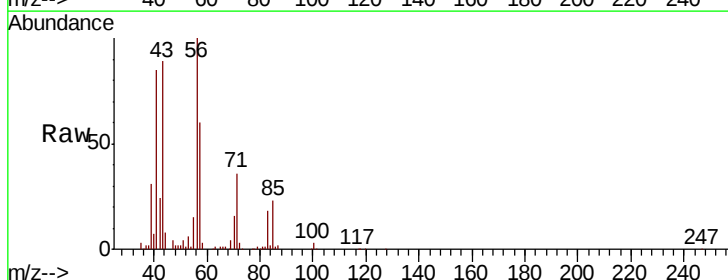
Acq: 15 Nov 2018 14:27

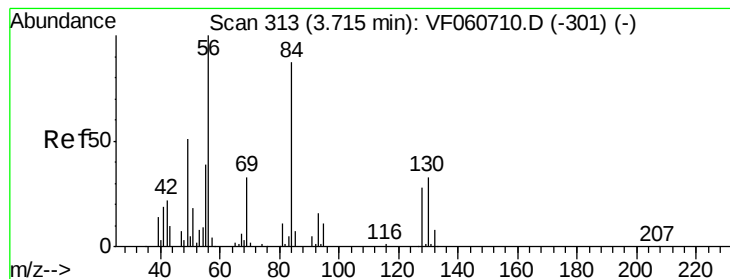
Tgt Ion: 83 Resp: 24302

Ion Ratio Lower Upper

83 100

85 127.6 54.6 82.0#





#31

Cyclohexane

Concen: 30.240 ug/l

RT: 3.72 min Scan# 314

Delta R.T. 0.01 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :
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ClientSampleId :

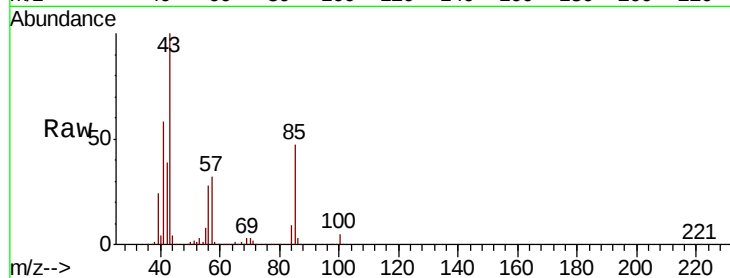
Tot Ion: 56 Resp: 152081

Ion Ratio Lower Upper

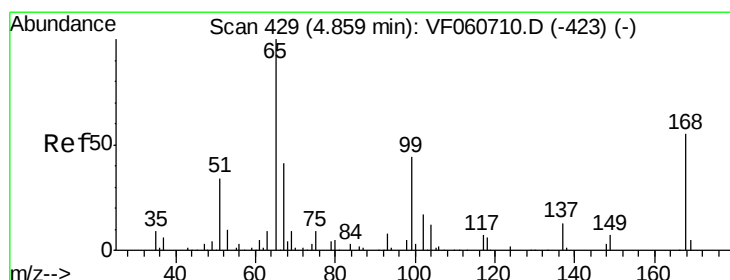
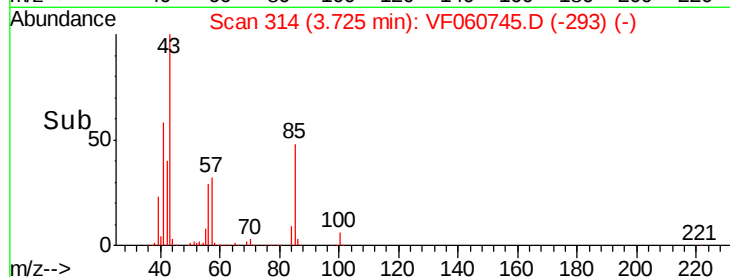
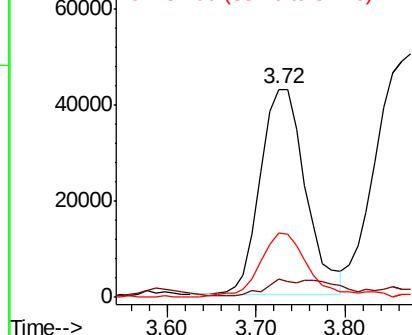
56 100

69 8.9 26.0 39.0#

84 31.0 69.4 104.2#



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



#33

1,2-Dichloroethane-d4

Concen: 39.744 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF060745.D

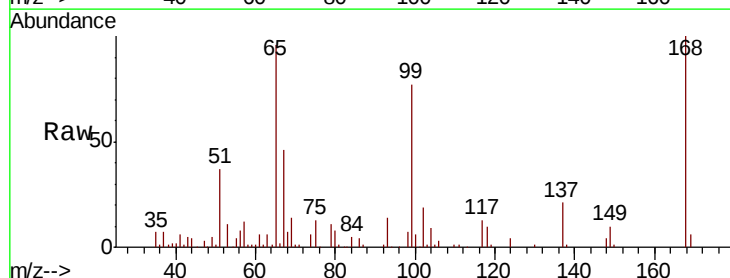
Acq: 15 Nov 2018 14:27

Tgt Ion: 65 Resp: 112443

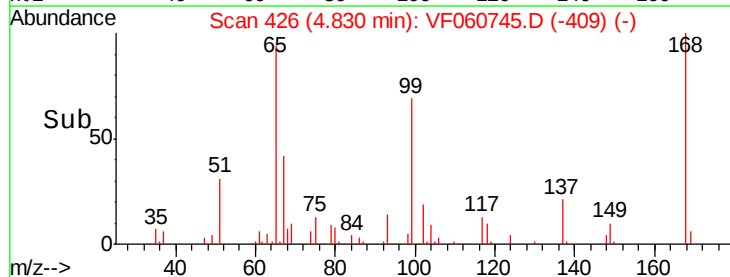
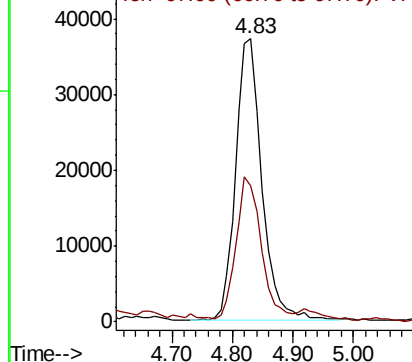
Ion Ratio Lower Upper

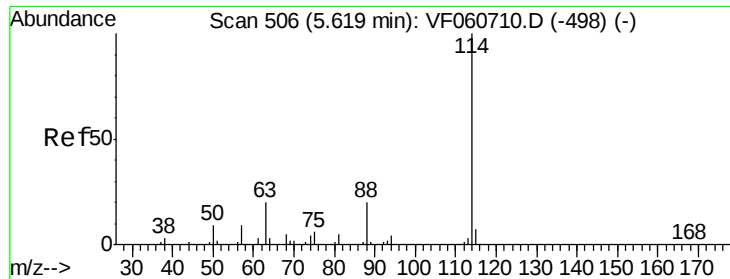
65 100

67 48.1 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

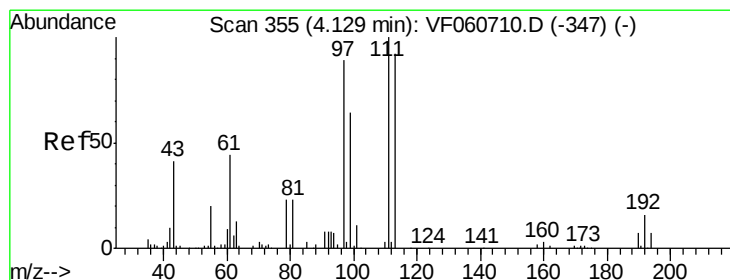
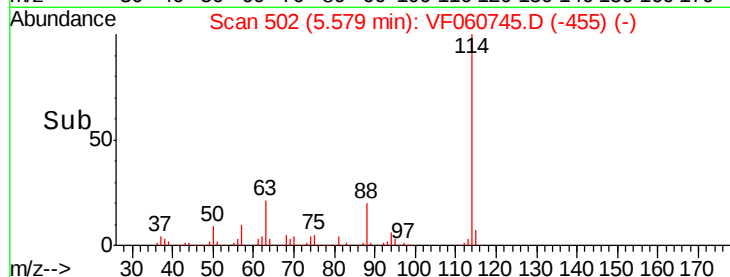
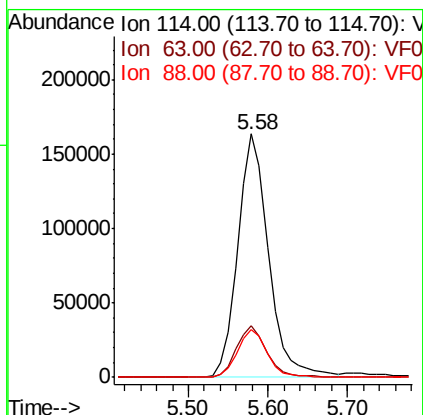
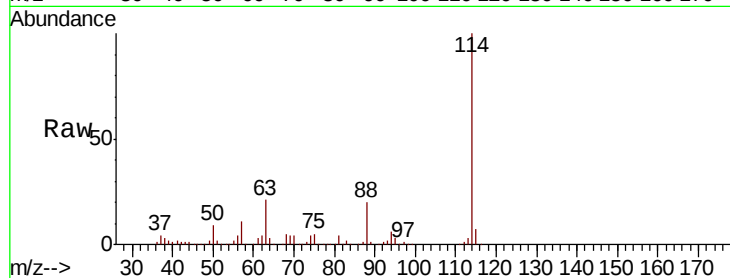




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.04 min
 Lab File: VF060745.D
 Acq: 15 Nov 2018 14:27

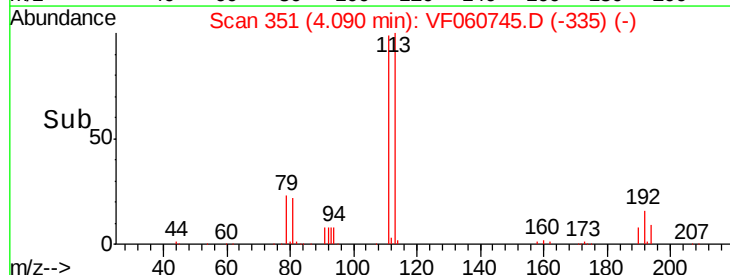
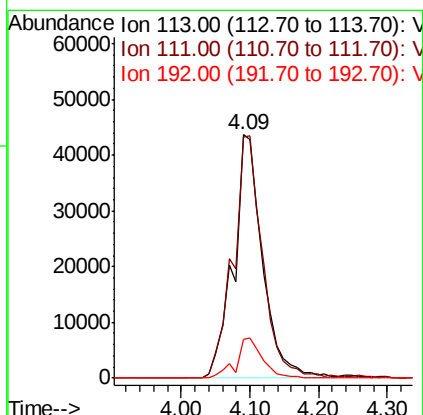
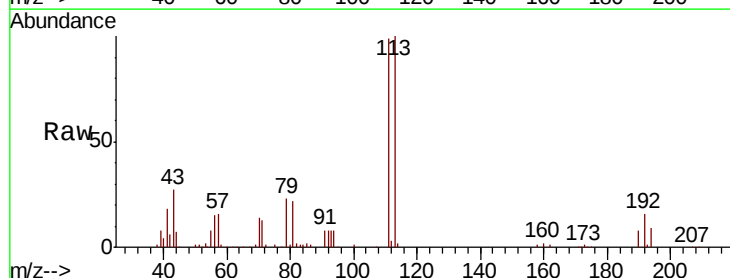
Instrument :
 MSVOA_F
 ClientSampleId :

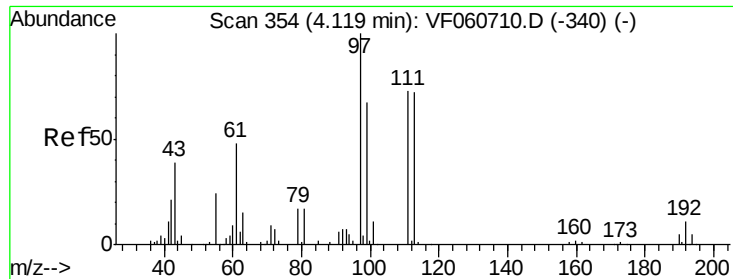
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	19.7	0.0	39.6



#35
 Dibromofluoromethane
 Concen: 38.922 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.04 min
 Lab File: VF060745.D
 Acq: 15 Nov 2018 14:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.8	87.1	130.7
192	16.1	13.8	20.6

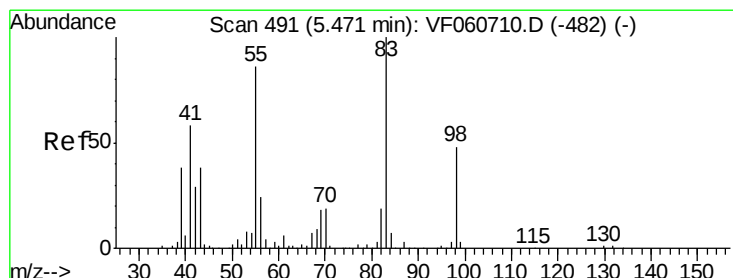
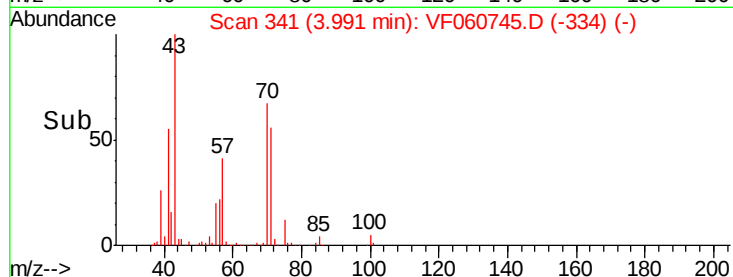
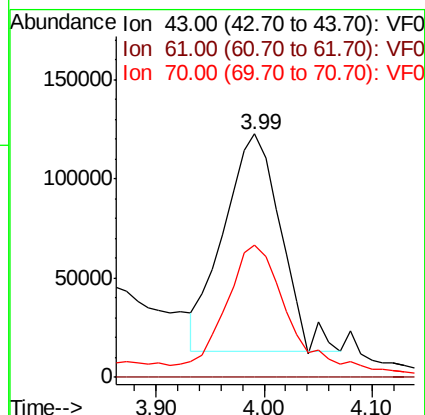
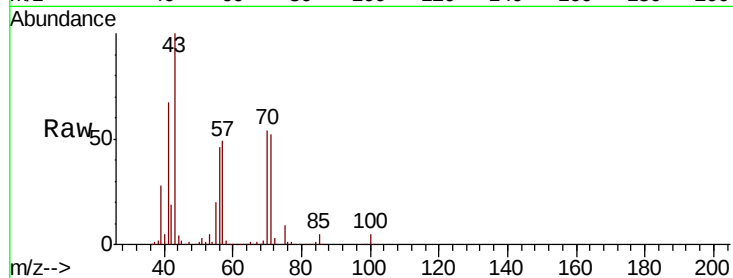




#37
Ethyl Acetate
Concen: 213.374 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.13 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

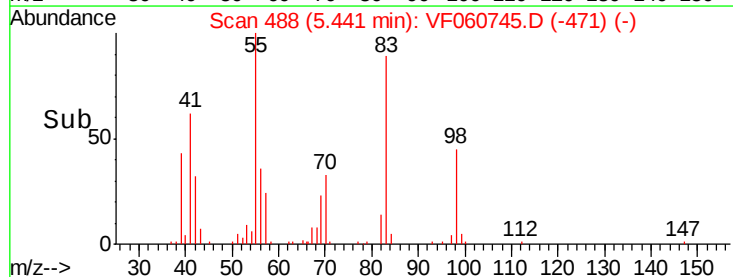
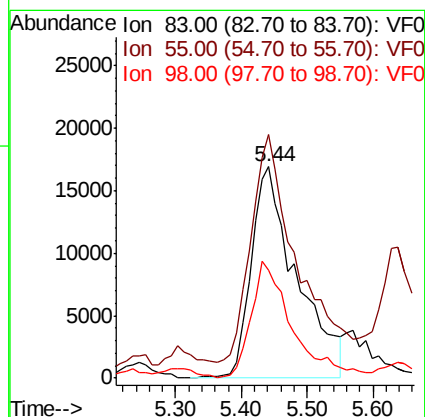
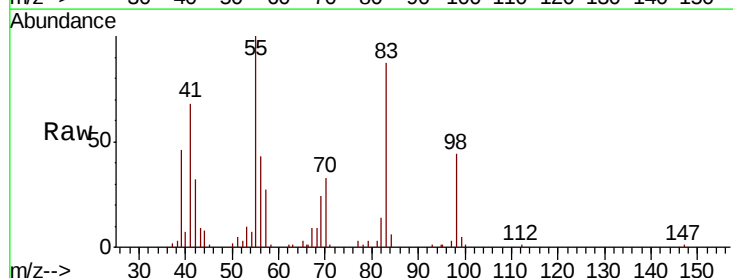
Instrument :
MSVOA_F
ClientSampleId :

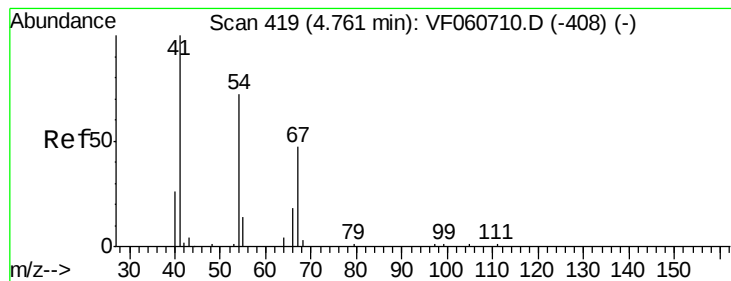
Tot Ion: 43 Resp: 403918
Ion Ratio Lower Upper
43 100
61 0.4 98.5 147.7#
70 54.4 7.4 11.0#



#39
Methylcyclohexane
Concen: 13.737 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.03 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Tgt Ion: 83 Resp: 81149
Ion Ratio Lower Upper
83 100
55 115.3 69.0 103.4#
98 51.3 38.5 57.7





#41

Methacrylonitrile

Concen: 412.819 ug/l

RT: 4.65 min Scan# 408

Delta R.T. -0.11 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 384937

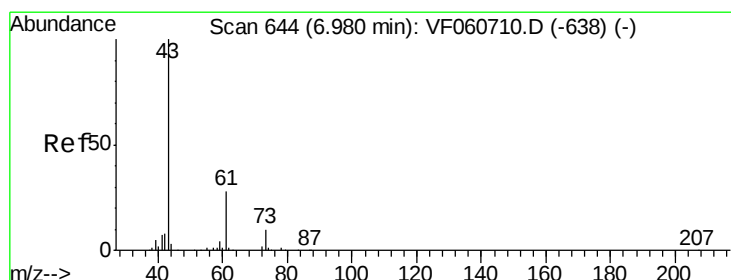
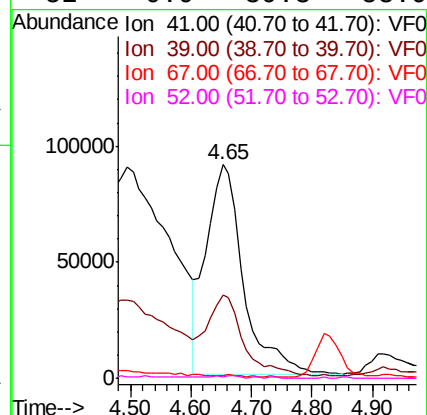
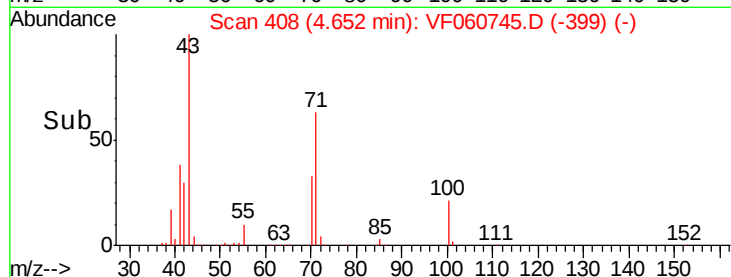
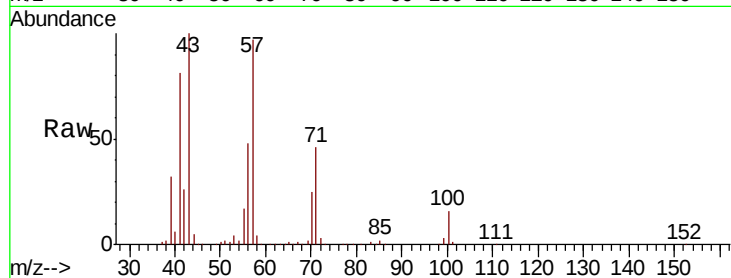
Ion Ratio Lower Upper

41 100

39 39.0 47.1 70.7#

67 1.5 37.1 55.7#

52 0.9 39.3 58.9#



#43

Isopropyl Acetate

Concen: 205.585 ug/l

RT: 6.80 min Scan# 626

Delta R.T. -0.18 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

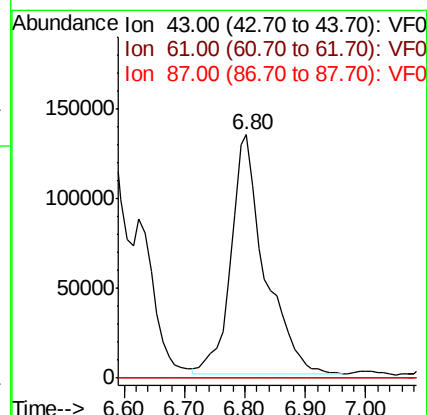
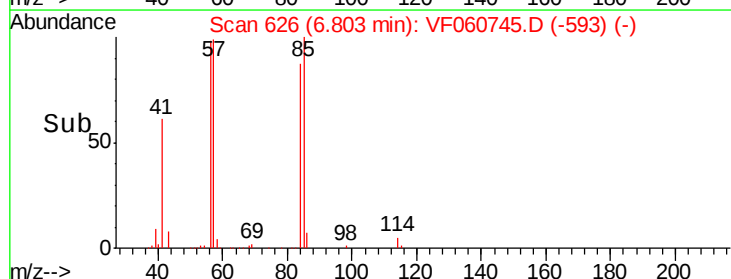
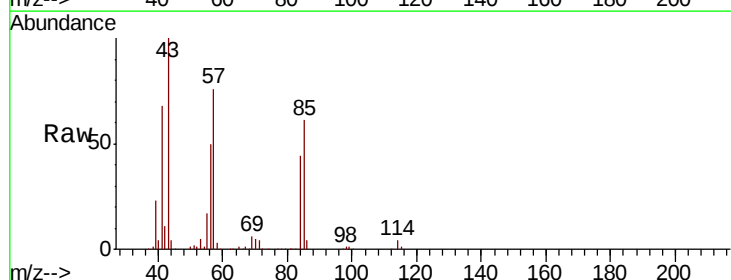
Tgt Ion: 43 Resp: 515994

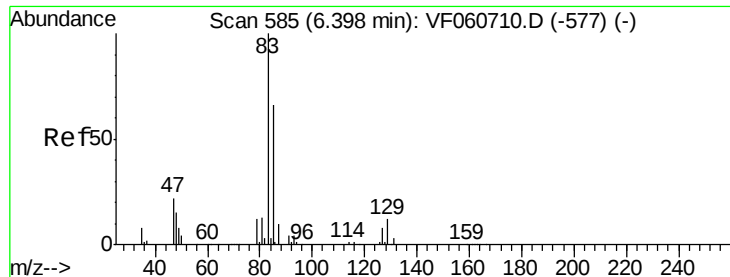
Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 0.4 0.6#





#47

Bromodichloromethane

Concen: 4.179 ug/l

RT: 6.30 min Scan# 575

Delta R.T. -0.10 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :

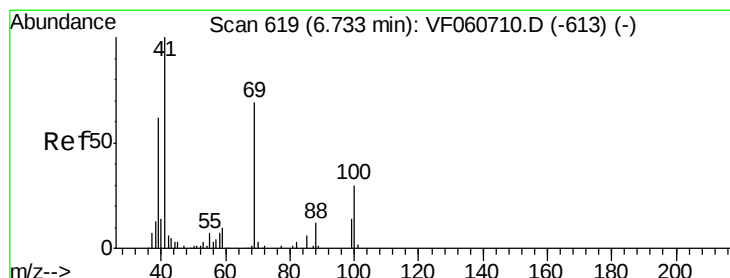
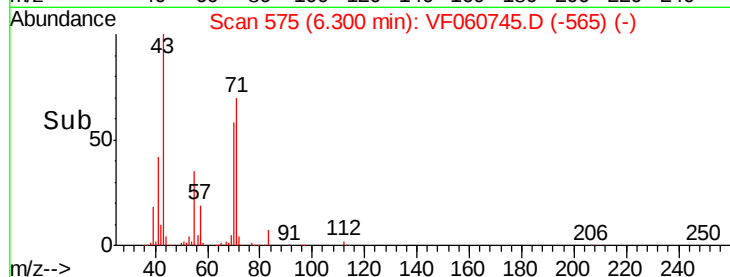
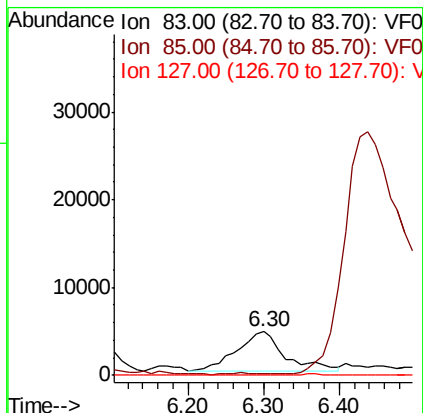
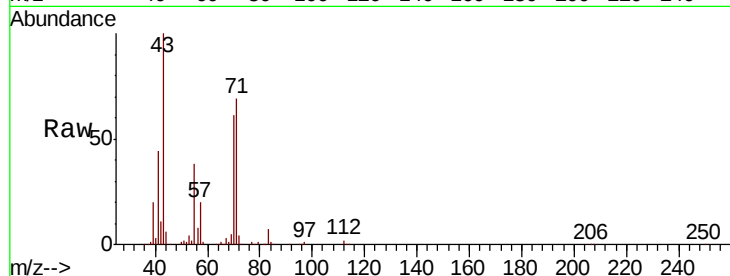
Tot Ion: 83 Resp: 20806

Ion Ratio Lower Upper

83 100

85 4.2 52.4 78.6#

127 0.0 6.8 10.2#



#48

Methyl methacrylate

Concen: 174.016 ug/l

RT: 6.58 min Scan# 603

Delta R.T. -0.16 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

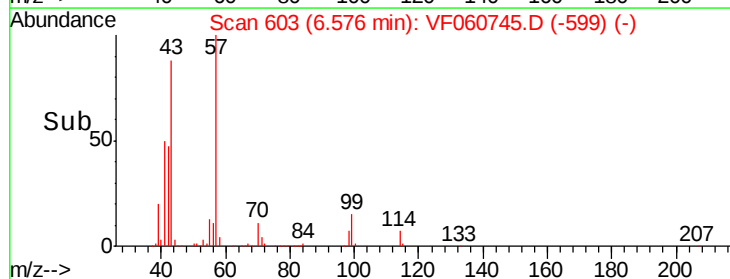
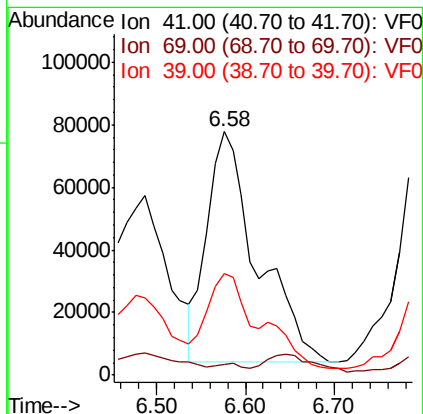
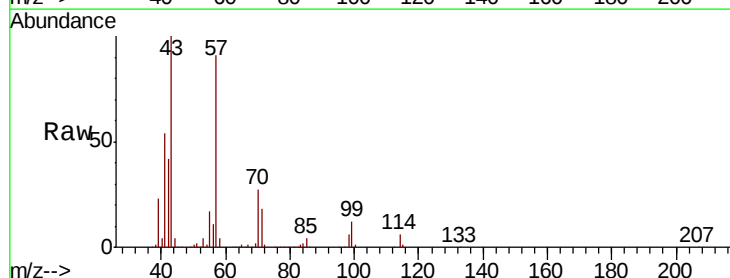
Tgt Ion: 41 Resp: 289057

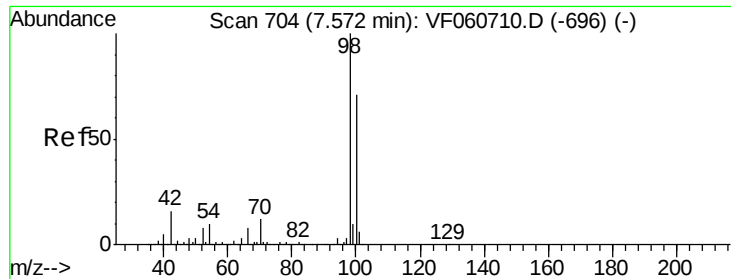
Ion Ratio Lower Upper

41 100

69 4.3 54.9 82.3#

39 41.7 49.6 74.4#





#50

Toluene-d8

Concen: 37.763 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

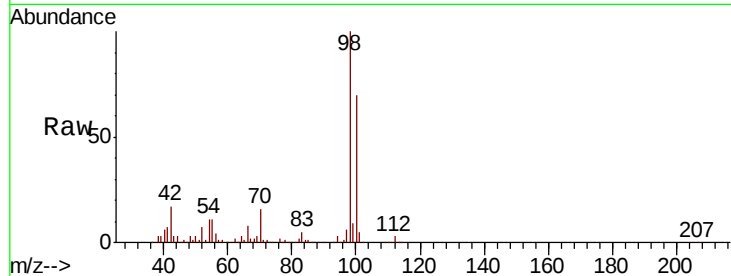
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 327424

Ion Ratio Lower Upper

98 100

100 70.2 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

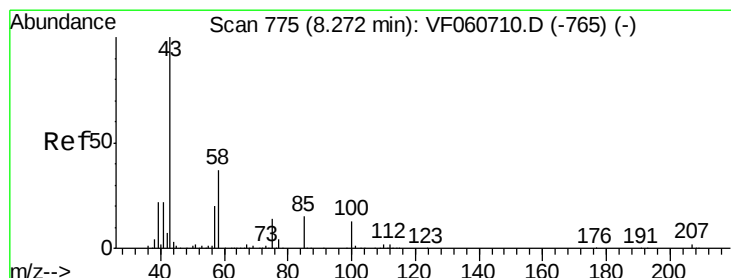
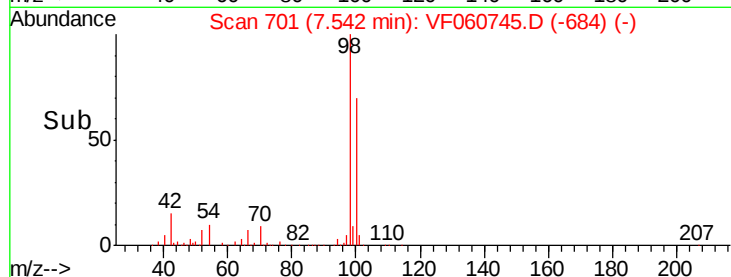
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 57.780 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060745.D

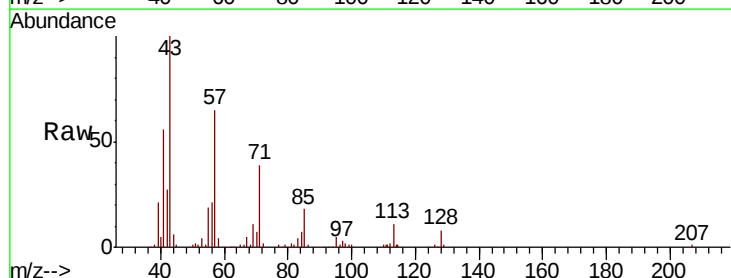
Acq: 15 Nov 2018 14:27

Tgt Ion: 43 Resp: 104887

Ion Ratio Lower Upper

43 100

58 4.1 29.2 43.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

40000

30000

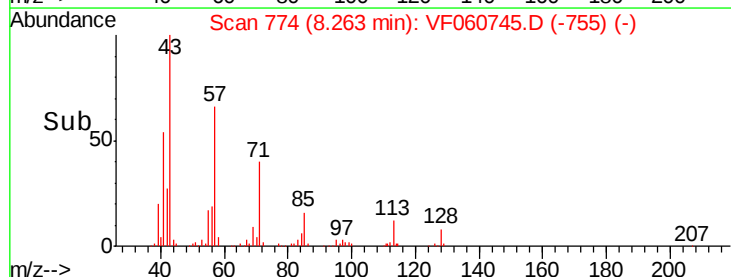
20000

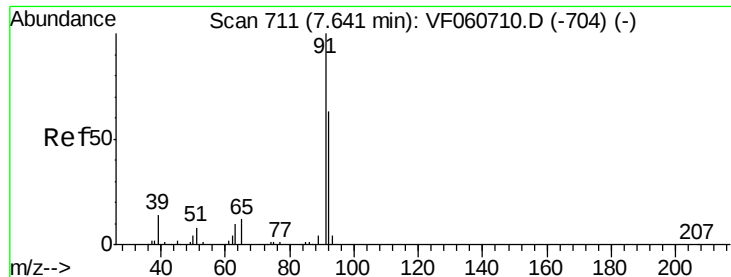
10000

0

8.20 8.30

Time-->





#52

Toluene

Concen: 2.365 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.03 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

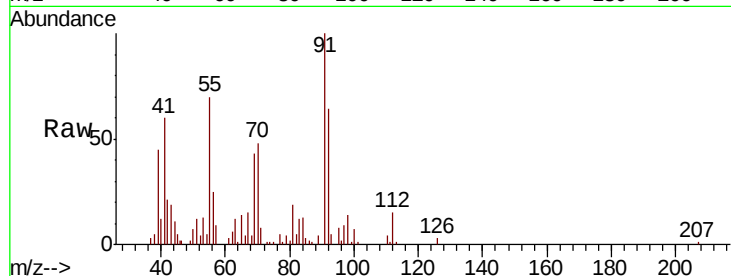
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 92 Resp: 17986

Ion Ratio Lower Upper

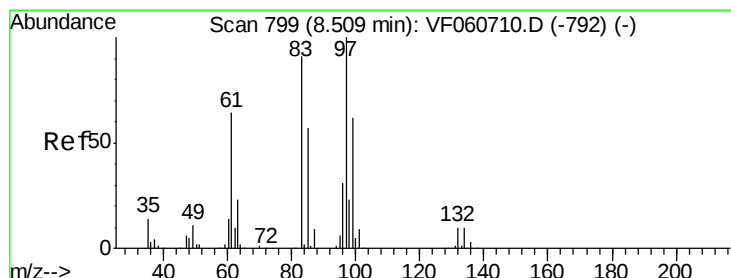
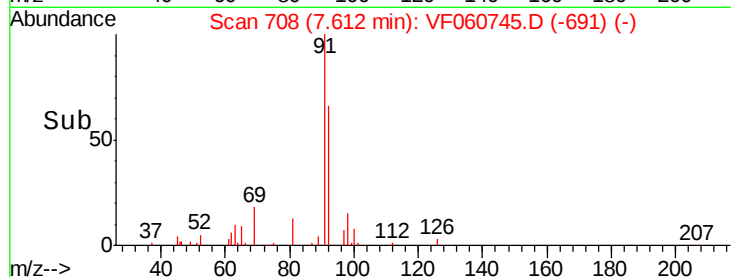
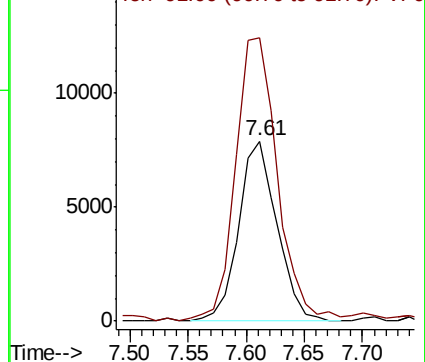
92 100

91 157.4 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#55

1,1,2-Trichloroethane

Concen: 5.139 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.13 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Tgt Ion: 97 Resp: 11167

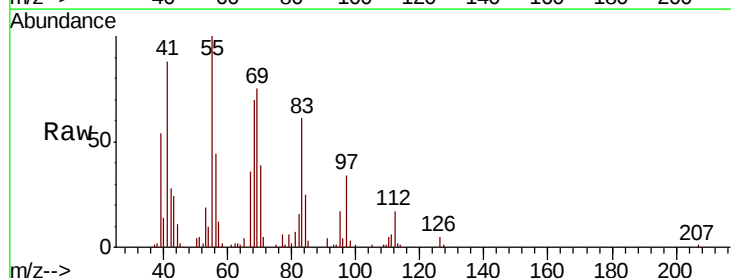
Ion Ratio Lower Upper

97 100

83 178.7 72.8 109.2#

85 8.3 45.8 68.6#

99 0.0 49.4 74.0#

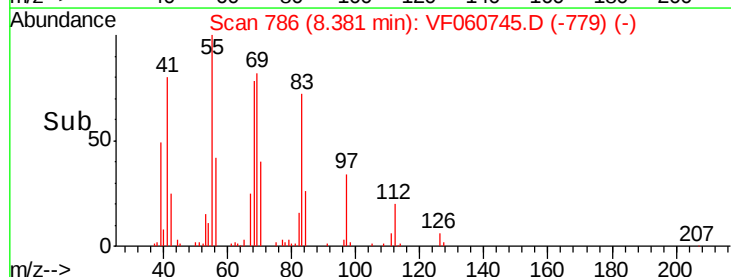
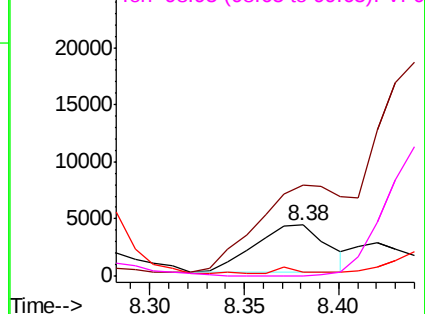


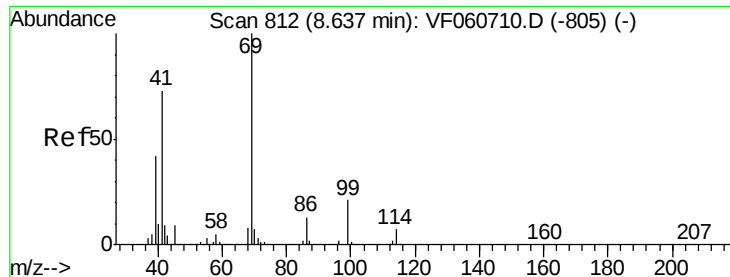
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#56

Ethyl methacrylate

Concen: 20.974 ug/l

RT: 8.62 min Scan# 810

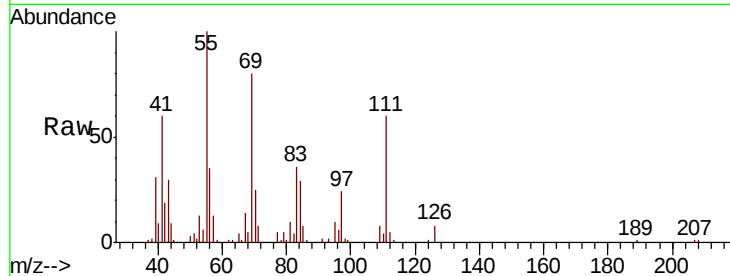
Delta R.T. -0.02 min

Lab File: VF060745.D

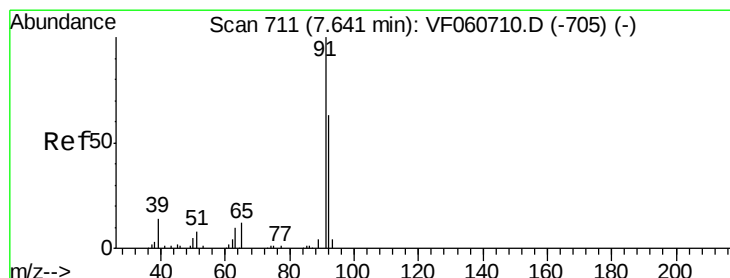
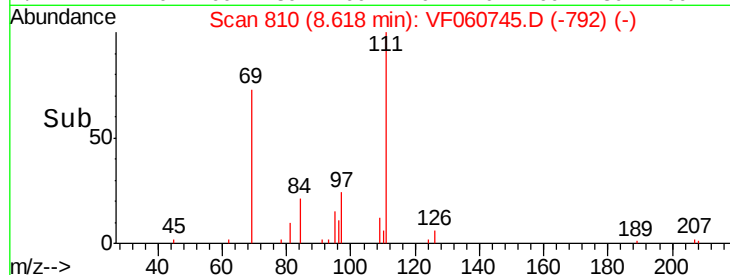
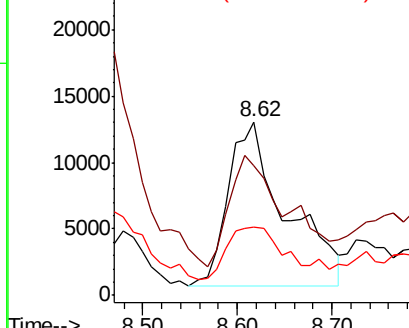
Acq: 15 Nov 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	69	Resp:	51766
Ion	Ratio	Lower	Upper
69	100		
41	74.9	59.0	88.6
39	39.1	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: 18.921 ug/l

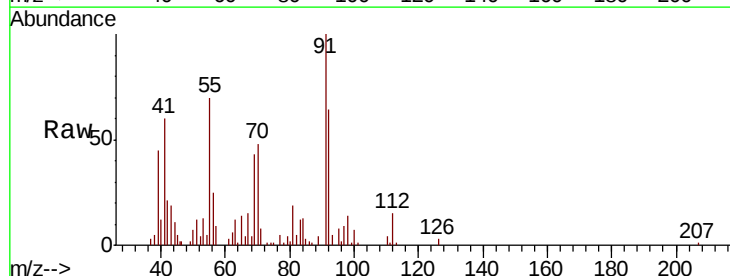
RT: 7.61 min Scan# 708

Delta R.T. -0.03 min

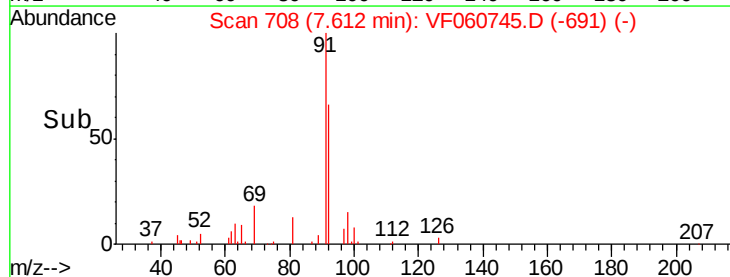
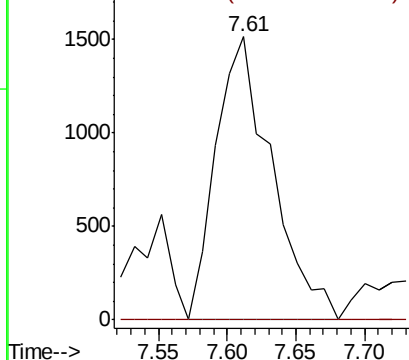
Lab File: VF060745.D

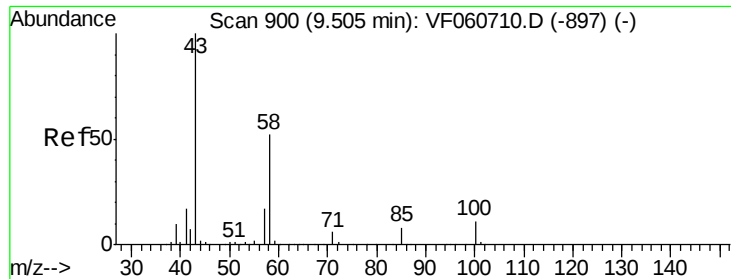
Acq: 15 Nov 2018 14:27

Tgt Ion:	63	Resp:	4266
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

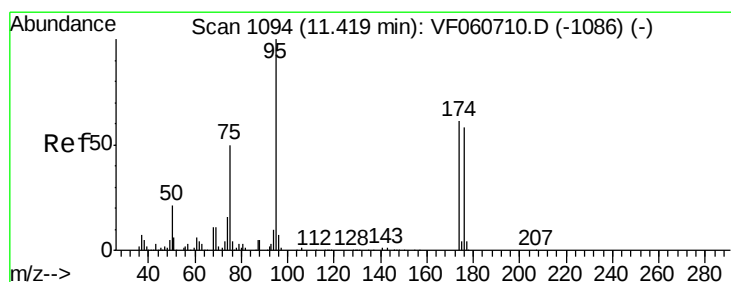
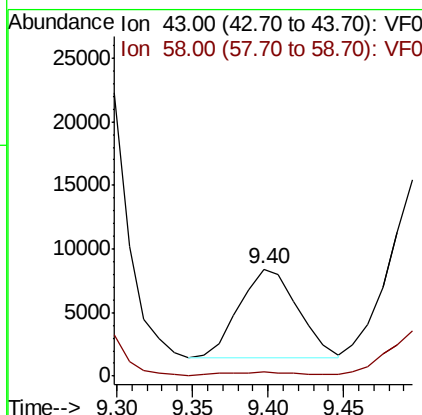
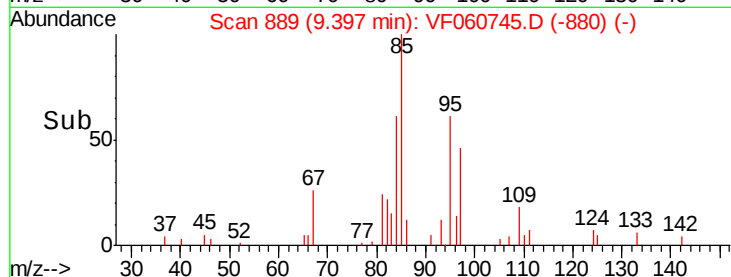
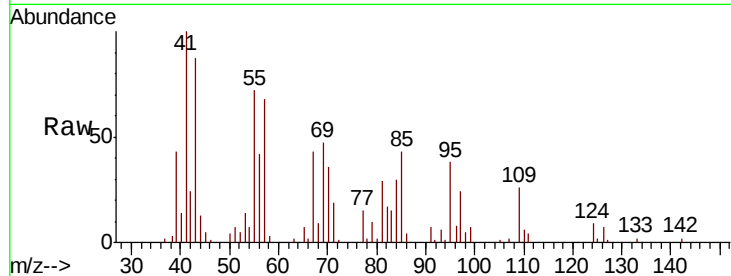




#59
2-Hexanone
Concen: 14.514 ug/l
RT: 9.40 min Scan# 889
Delta R.T. -0.11 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

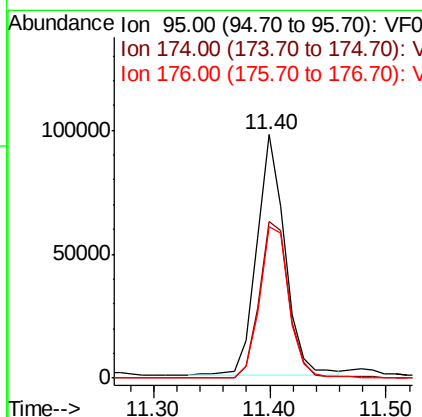
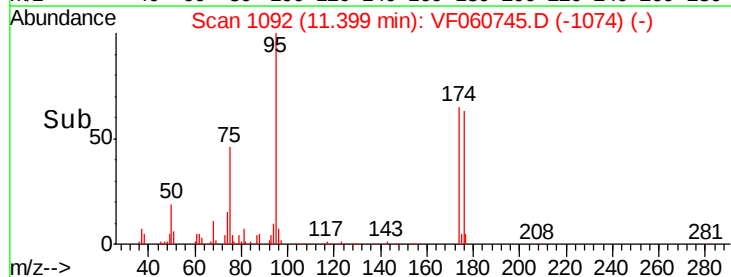
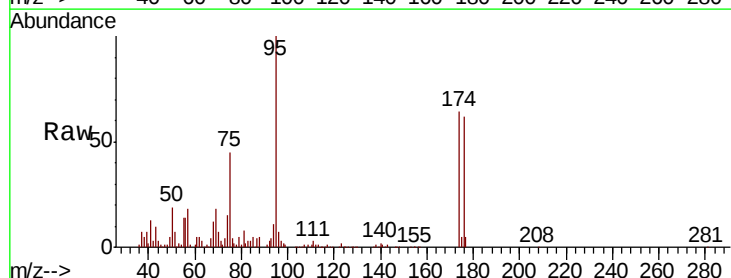
Instrument :
MSVOA_F
ClientSampled :

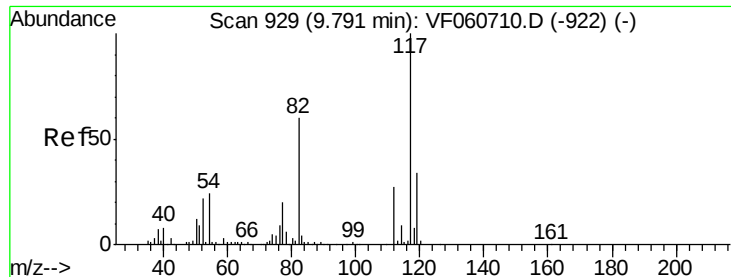
Tot Ion: 43 Resp: 18516
Ion Ratio Lower Upper
43 100
58 3.6 24.9 74.7#



#62
4-Bromofluorobenzene
Concen: 41.234 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Tgt Ion: 95 Resp: 163805
Ion Ratio Lower Upper
95 100
174 64.2 0.0 121.6
176 62.2 0.0 115.2

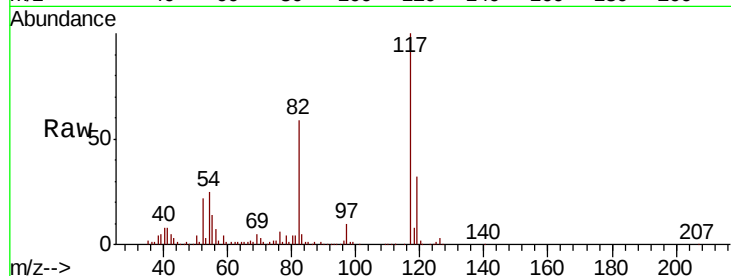




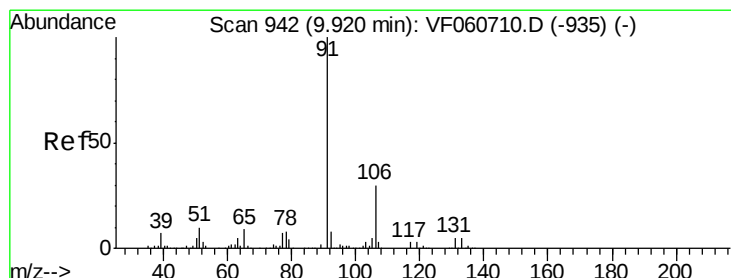
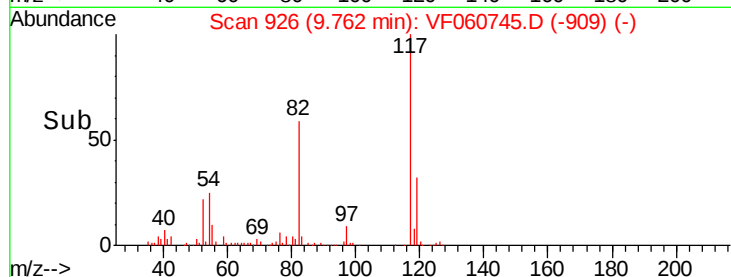
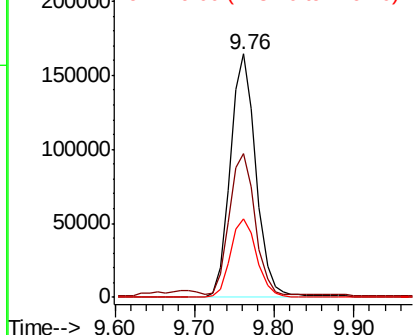
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 372753
Ion Ratio Lower Upper
117 100
82 59.2 47.9 71.9
119 32.5 26.8 40.2

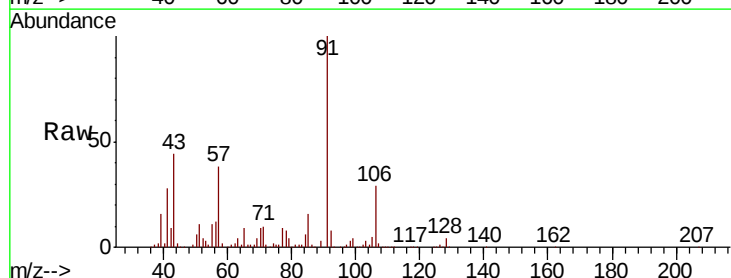


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

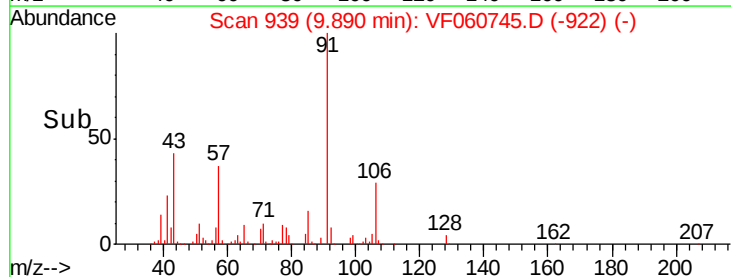
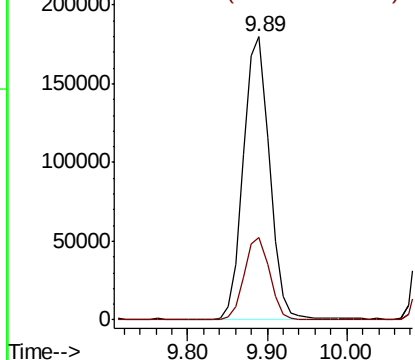


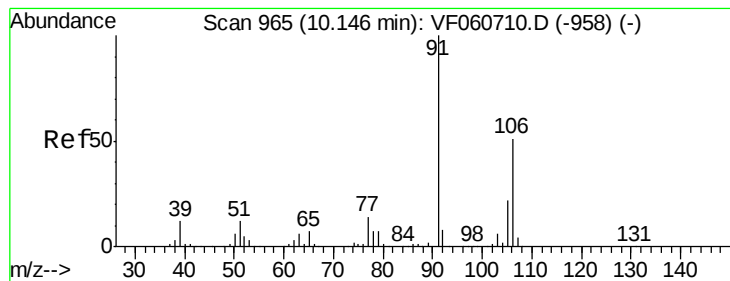
#67
Ethyl Benzene
Concen: 28.766 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.03 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Tgt Ion: 91 Resp: 407850
Ion Ratio Lower Upper
91 100
106 29.3 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: 123.640 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

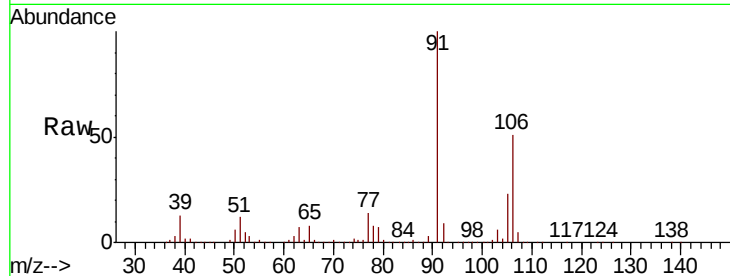
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 626475

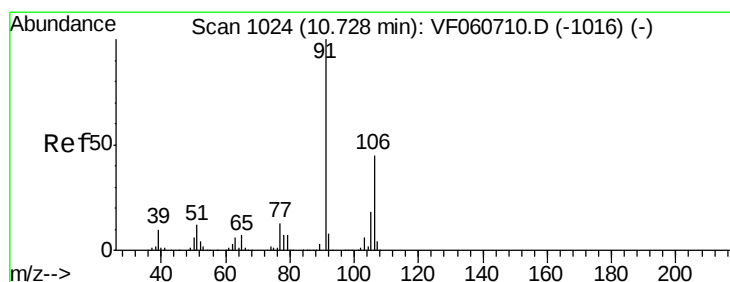
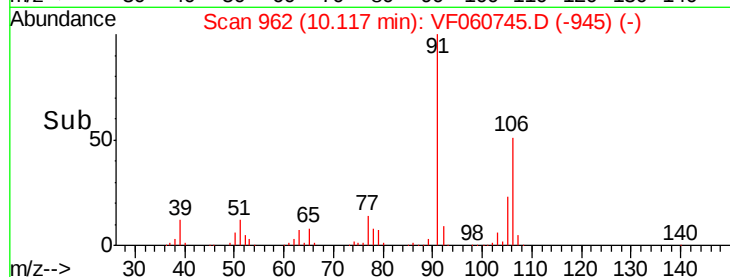
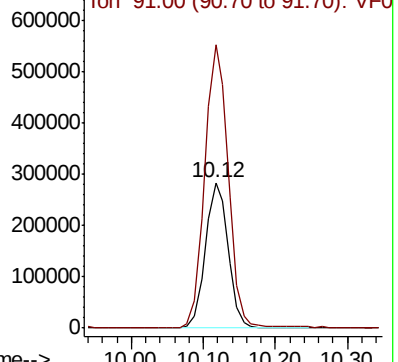
Ion Ratio Lower Upper

106 100

91 194.5 158.2 237.2



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



#69

o-Xylene

Concen: 39.944 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. -0.03 min

Lab File: VF060745.D

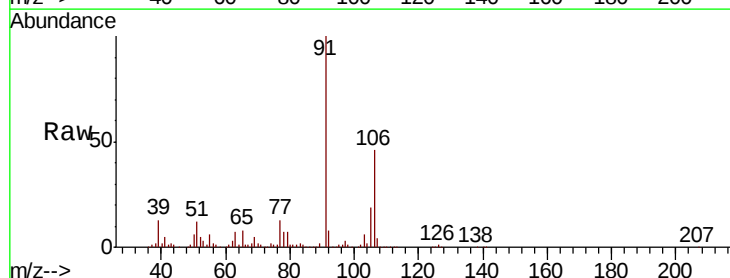
Acq: 15 Nov 2018 14:27

Tgt Ion:106 Resp: 227546

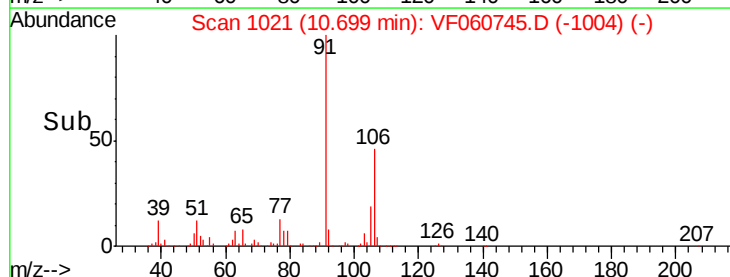
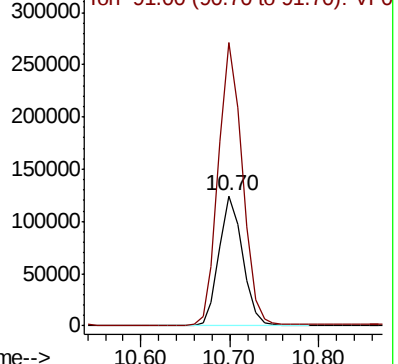
Ion Ratio Lower Upper

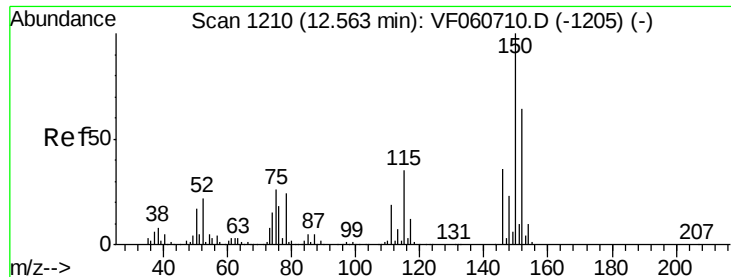
106 100

91 217.6 110.3 330.9



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: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

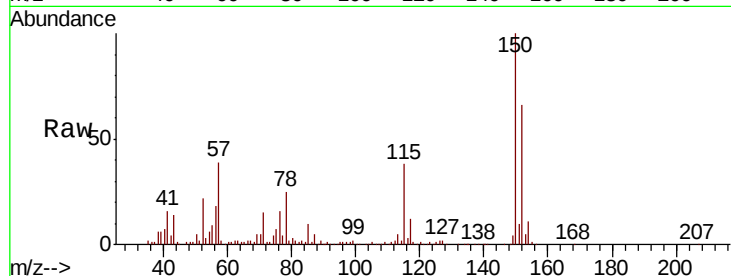
Tot Ion:152 Resp: 196368

Ion Ratio Lower Upper

152 100

115 57.9 27.9 83.7

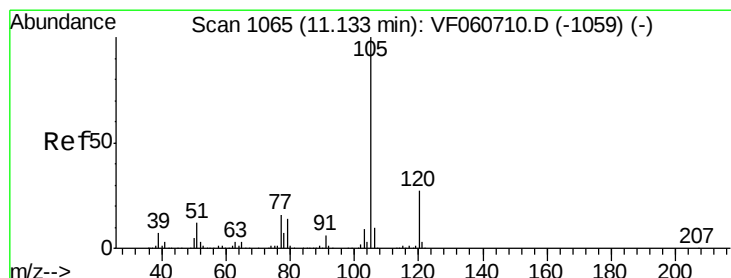
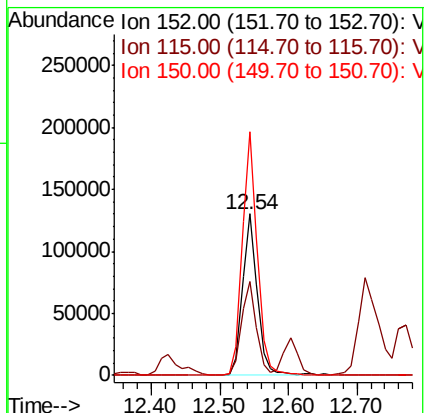
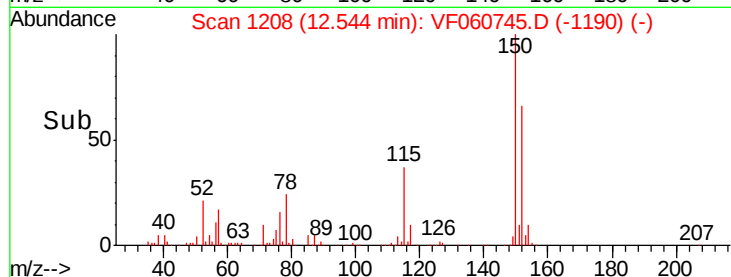
150 150.9 0.0 316.4



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: 11.859 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF060745.D

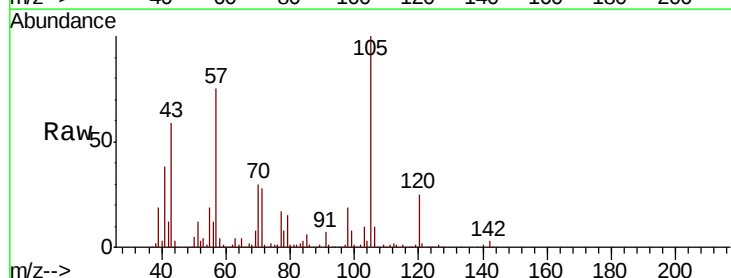
Acq: 15 Nov 2018 14:27

Tgt Ion:105 Resp: 187448

Ion Ratio Lower Upper

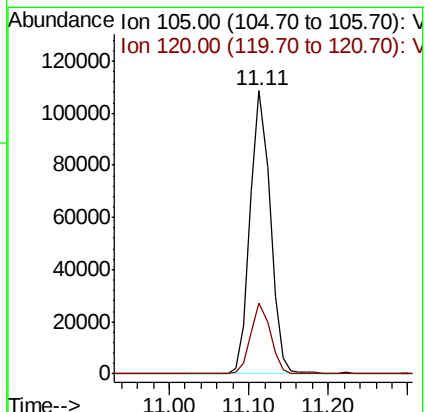
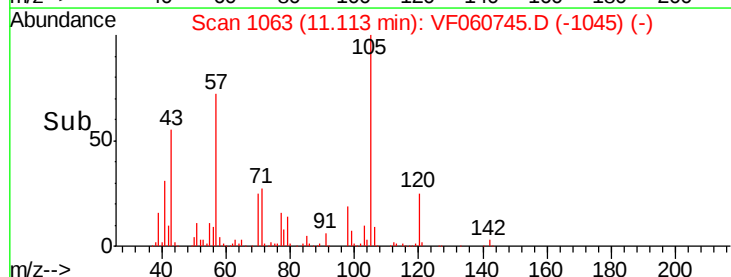
105 100

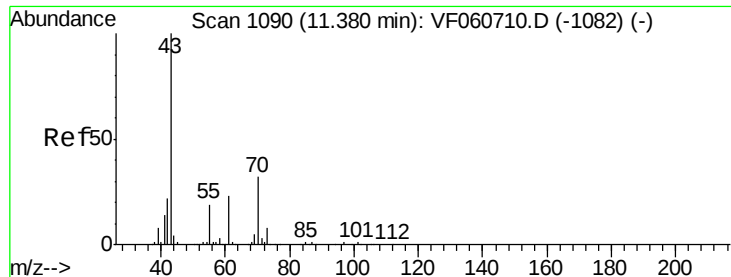
120 25.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 9.701 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 34907

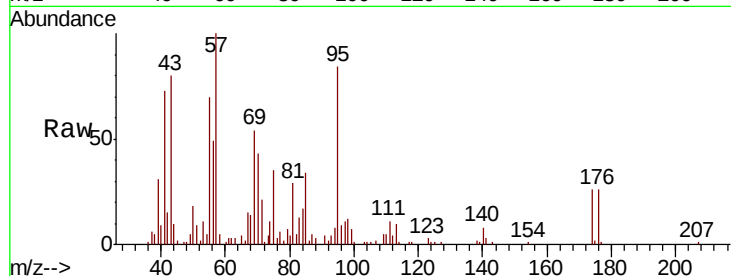
Ion Ratio Lower Upper

43 100

70 53.5 25.5 38.3#

55 87.6 14.9 22.3#

61 4.2 18.6 27.8#

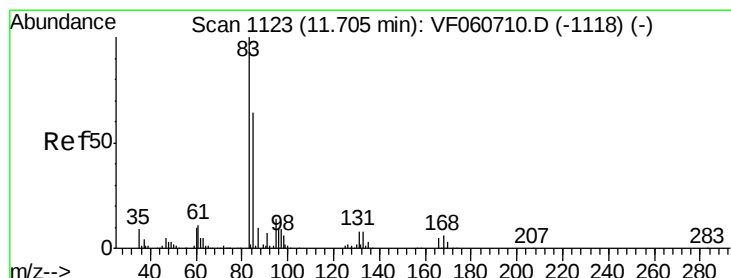
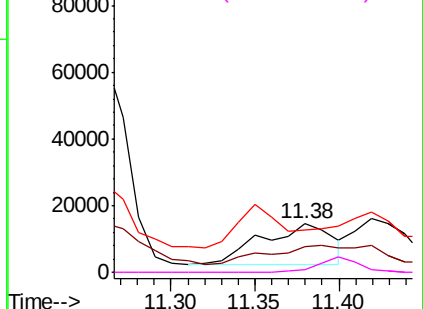
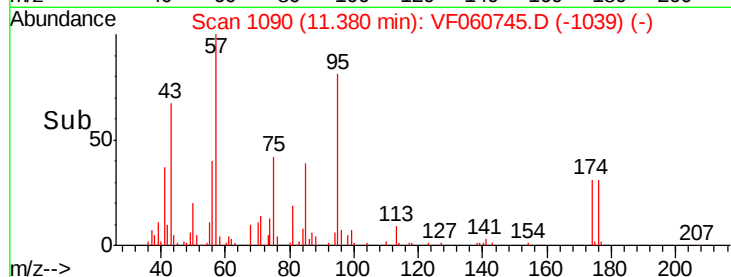


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 5.311 ug/l

RT: 11.65 min Scan# 1117

Delta R.T. -0.06 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

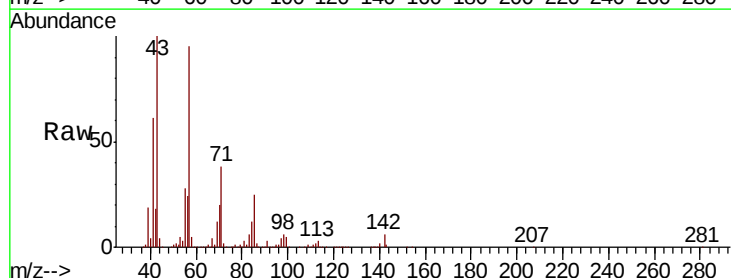
Tgt Ion: 83 Resp: 13878

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

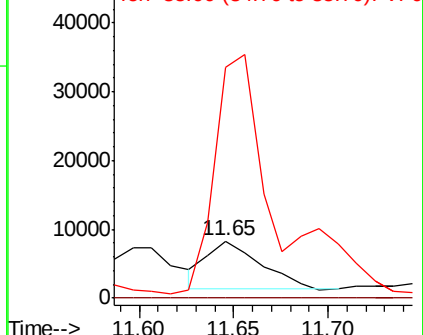
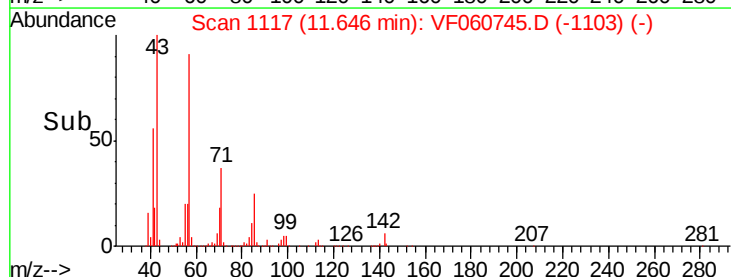
85 407.1 32.0 96.2#

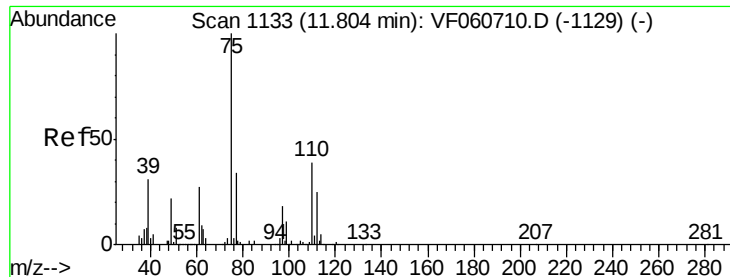


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 7.945 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :

MSVOA_F

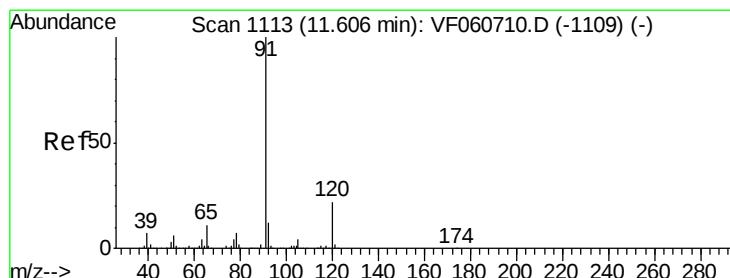
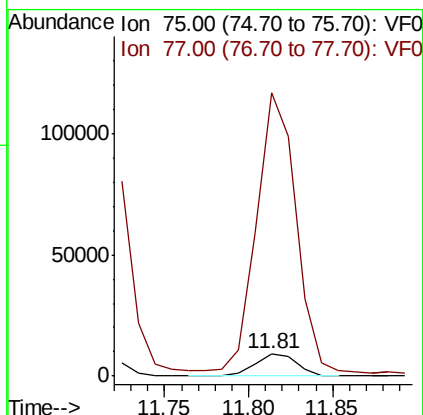
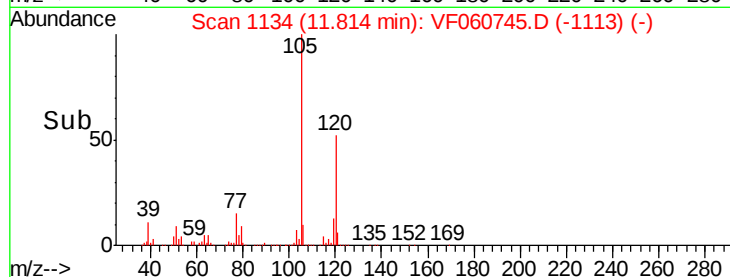
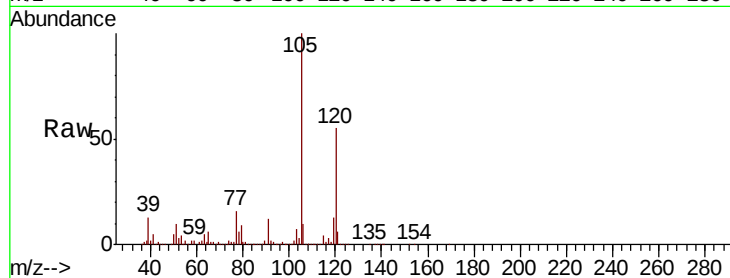
ClientSampleId :

Tot Ion: 75 Resp: 15420

Ion Ratio Lower Upper

75 100

77 1262.8 17.0 51.0#



#78

n-propylbenzene

Concen: 58.004 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF060745.D

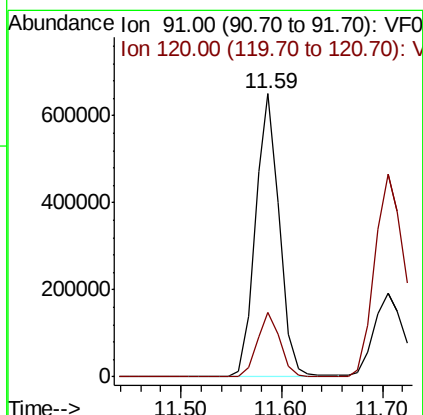
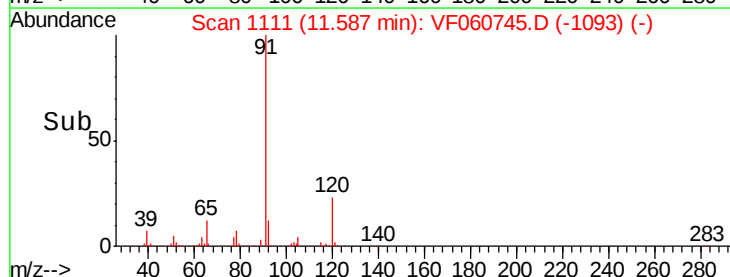
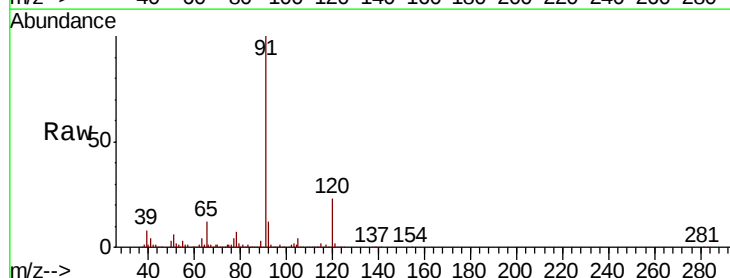
Acq: 15 Nov 2018 14:27

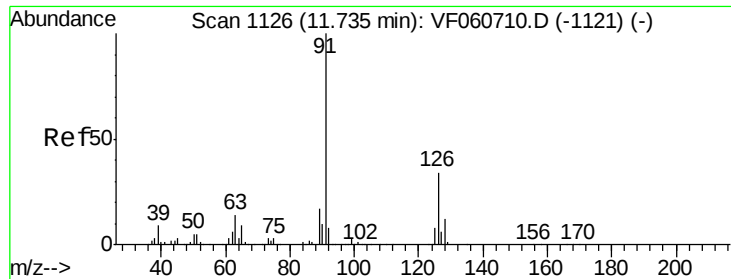
Tgt Ion: 91 Resp: 1069278

Ion Ratio Lower Upper

91 100

120 23.0 11.2 33.5

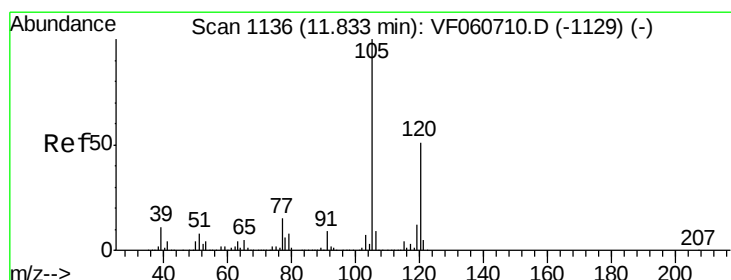
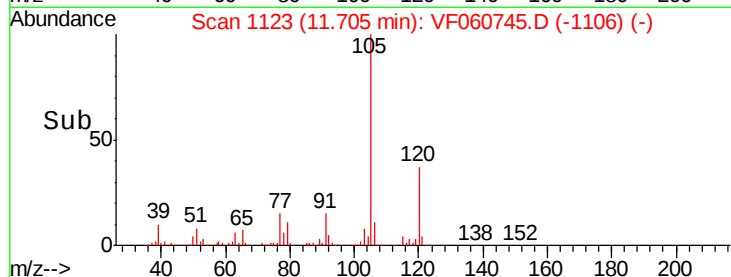
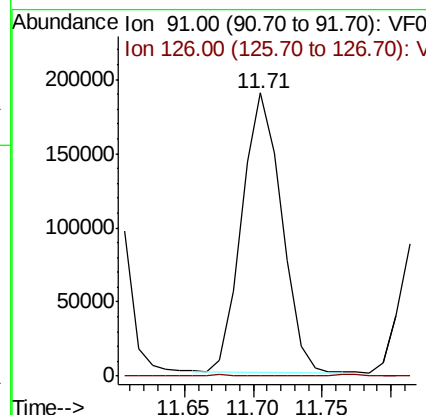
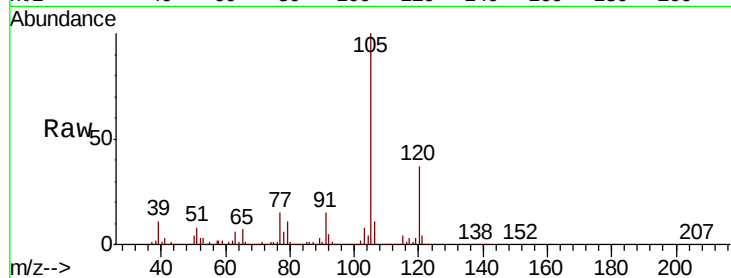




#79
 2-Chlorotoluene
 Concen: 35.202 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF060745.D
 Acq: 15 Nov 2018 14:27

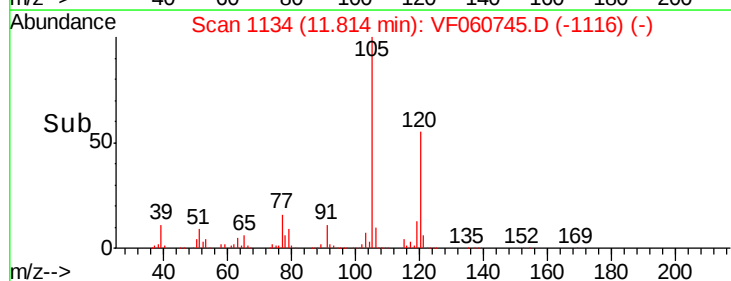
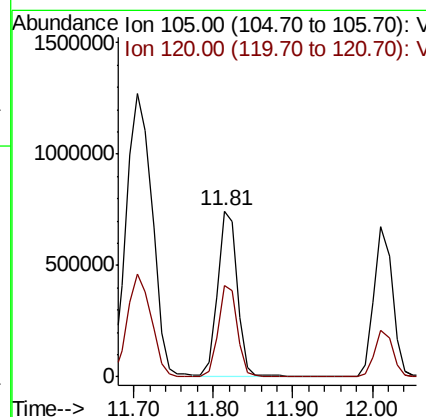
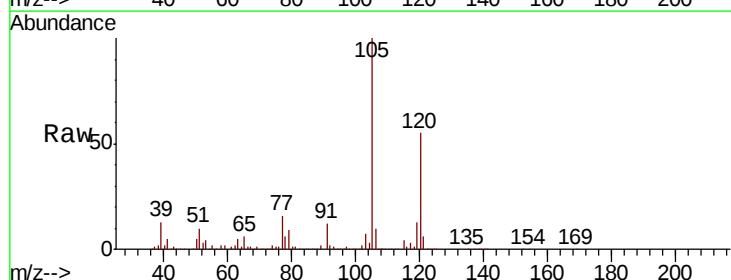
Instrument :
 MSVOA_F
 ClientSampled :

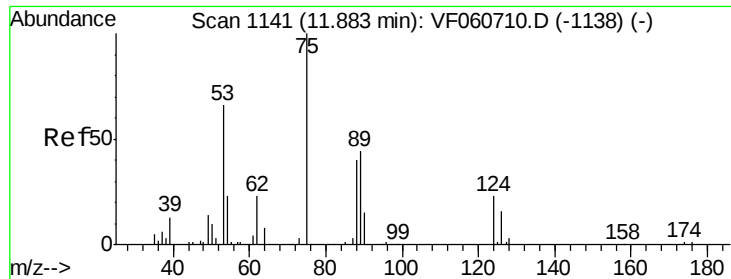
Tot Ion: 91 Resp: 377164
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 104.114 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF060745.D
 Acq: 15 Nov 2018 14:27

Tgt Ion: 105 Resp: 1306512
 Ion Ratio Lower Upper
 105 100
 120 54.8 25.6 76.8

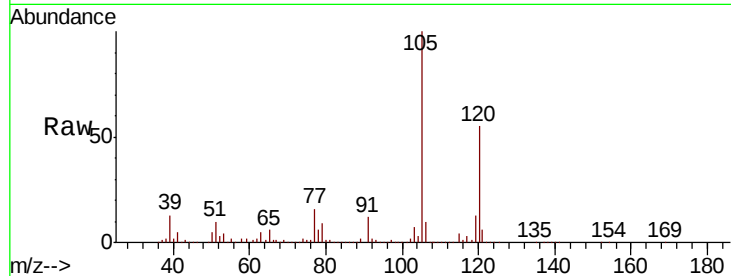




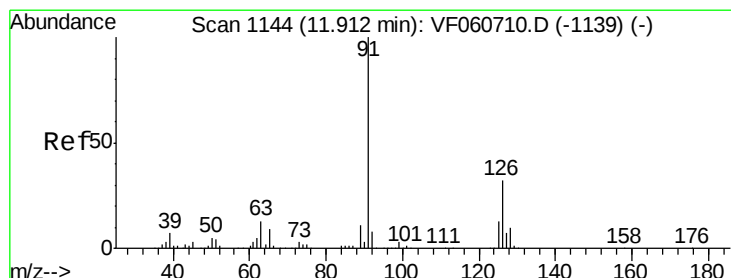
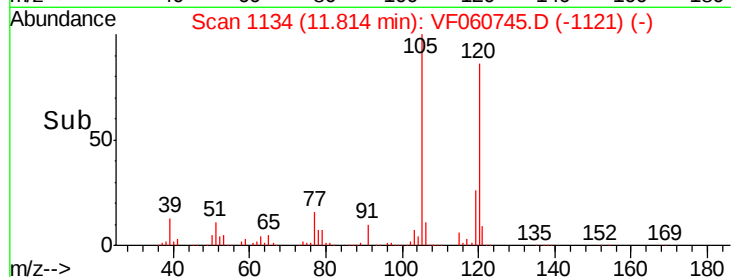
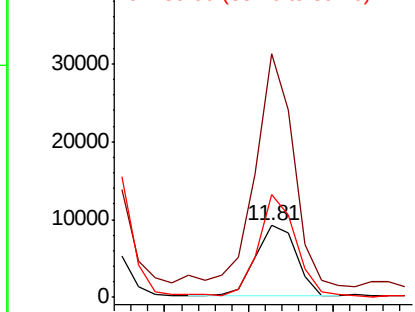
#81
trans-1,4-Dichloro-2-butene
Concen: 16.139 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.07 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 15388
Ion Ratio Lower Upper
75 100
53 338.6 57.0 85.4#
89 143.3 37.8 56.8#

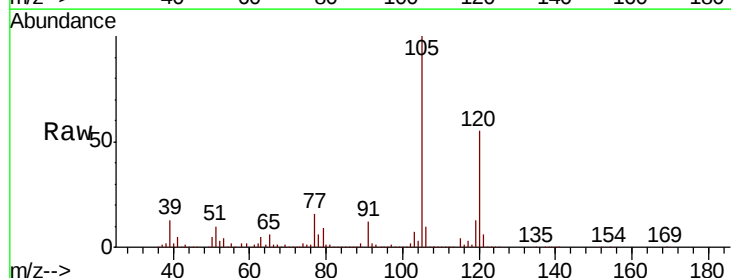


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

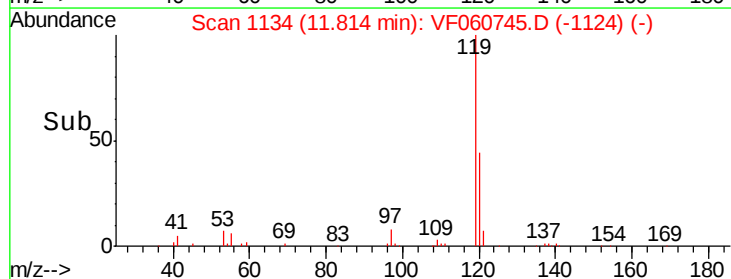
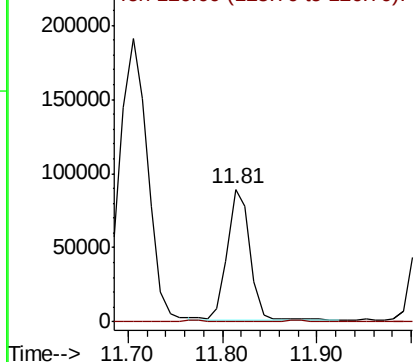


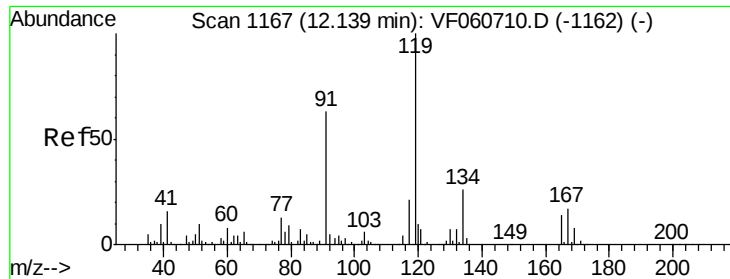
#82
4-Chlorotoluene
Concen: 13.498 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.10 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Tgt Ion: 91 Resp: 148154
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

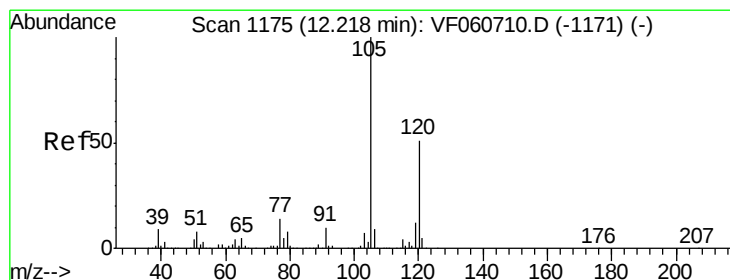
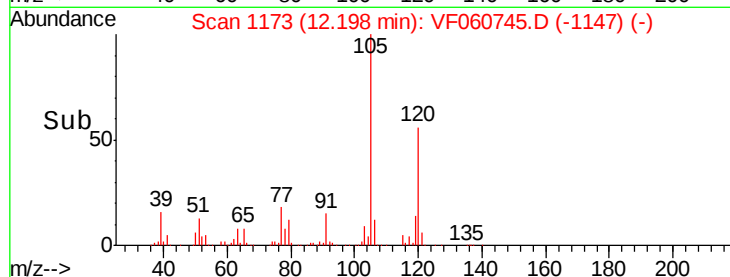
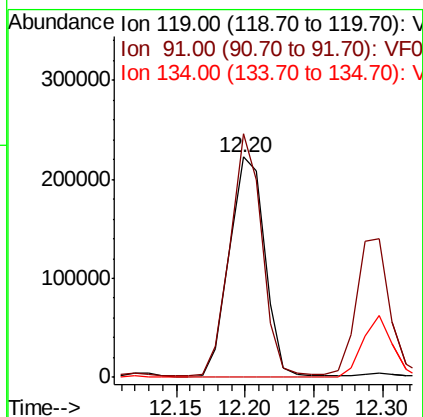
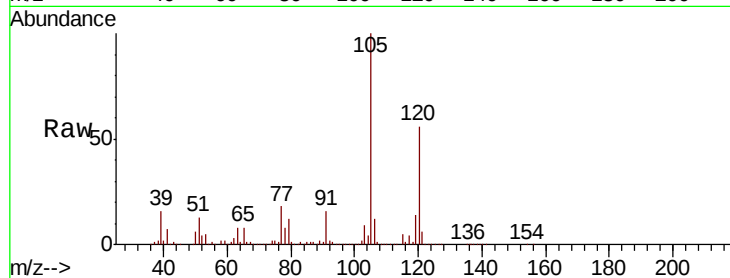




#83
tert-Butylbenzene
Concen: 30.154 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.06 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

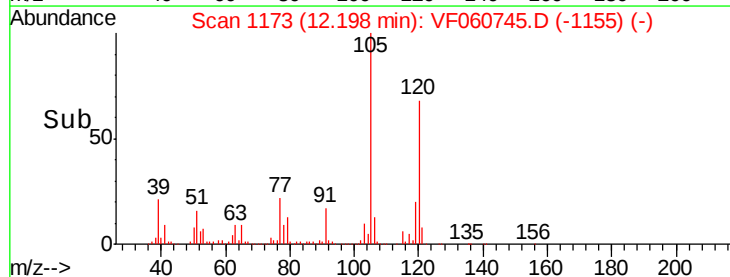
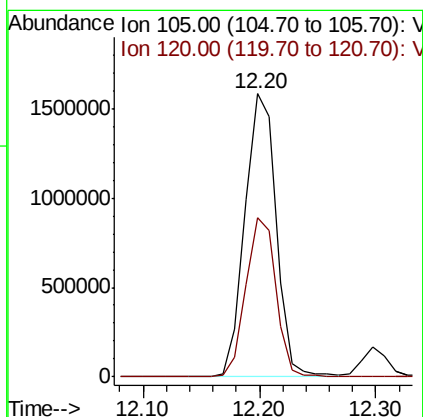
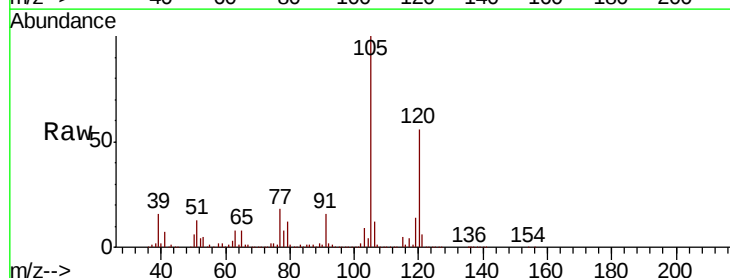
Instrument :
MSVOA_F
ClientSampleId :

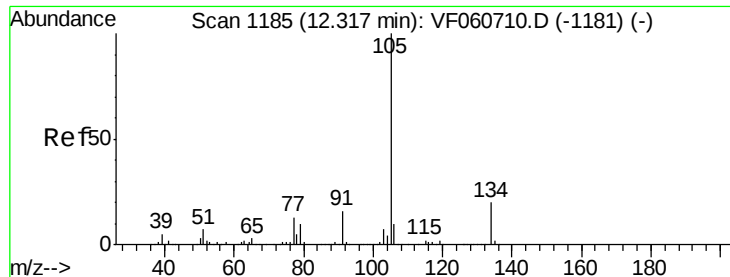
Tot Ion:119 Resp: 401773
Ion Ratio Lower Upper
119 100
91 110.4 31.4 94.3#
134 0.0 12.8 38.4#



#84
1,2,4-Trimethylbenzene
Concen: 226.367 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Tgt Ion:105 Resp: 2937850
Ion Ratio Lower Upper
105 100
120 56.1 25.5 76.5





#85

sec-Butylbenzene

Concen: 13.906 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

Instrument :

MSVOA_F

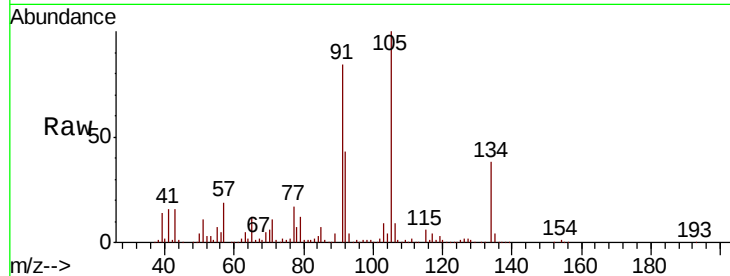
ClientSampleId :

Tot Ion:105 Resp: 251348

Ion Ratio Lower Upper

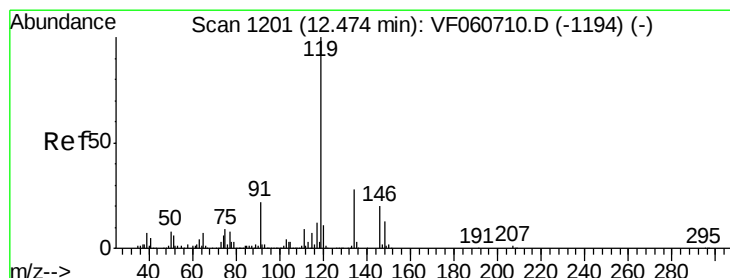
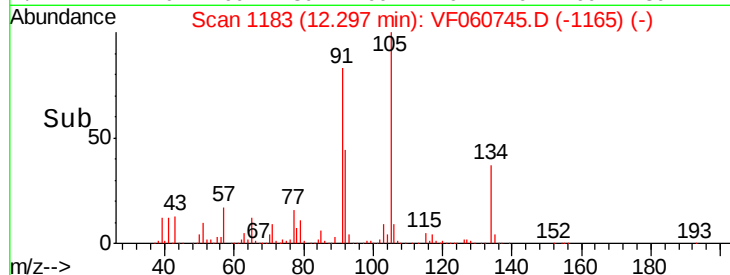
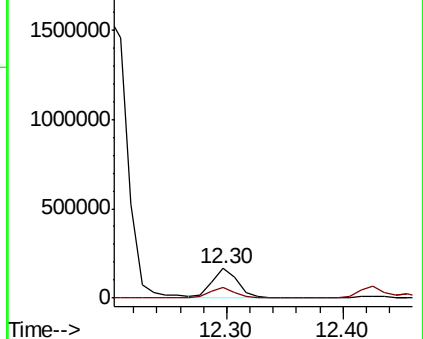
105 100

134 37.6 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: 31.421 ug/l

RT: 12.43 min Scan# 1196

Delta R.T. -0.05 min

Lab File: VF060745.D

Acq: 15 Nov 2018 14:27

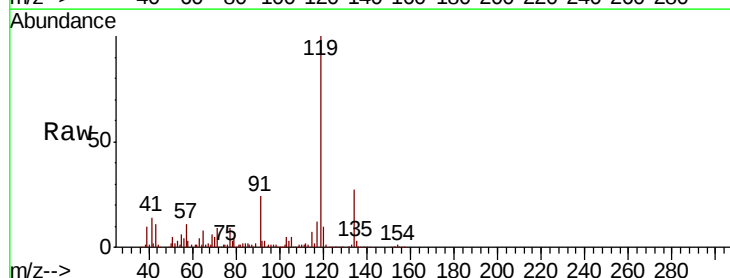
Tgt Ion:119 Resp: 474316

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.7

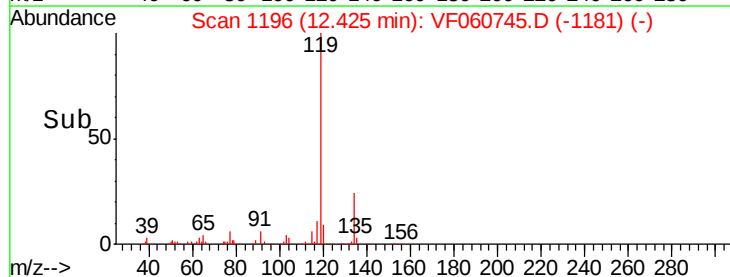
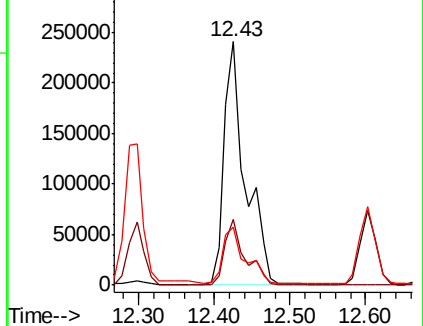
91 23.9 11.3 33.9

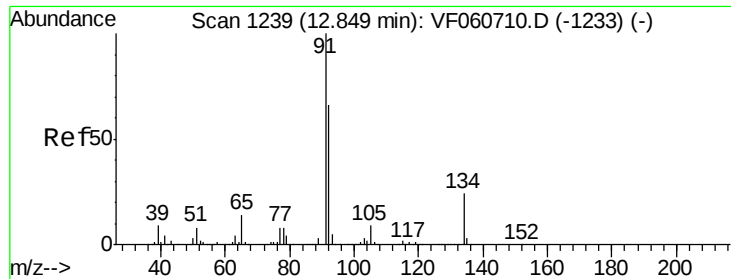


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

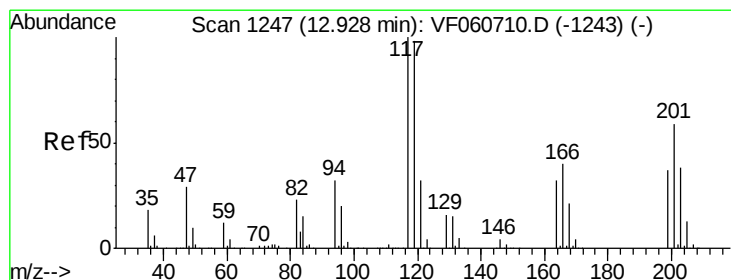
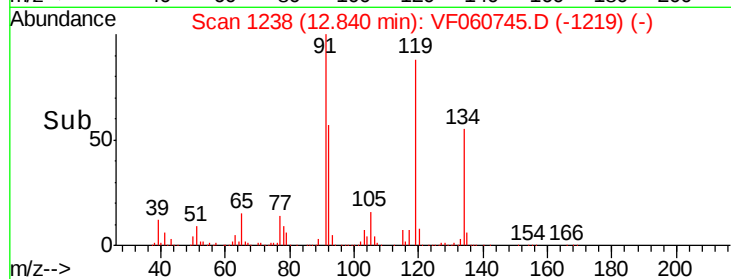
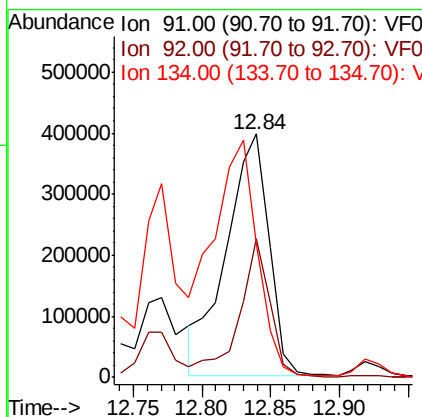
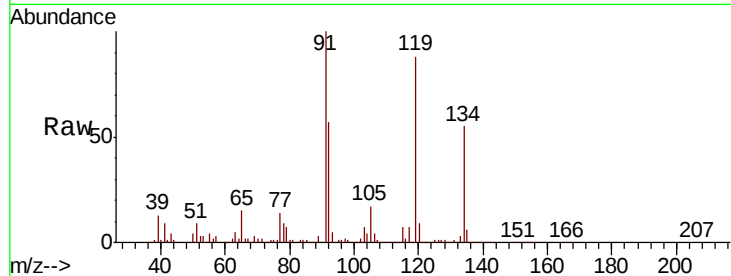




#89
n-Butylbenzene
Concen: 55.289 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

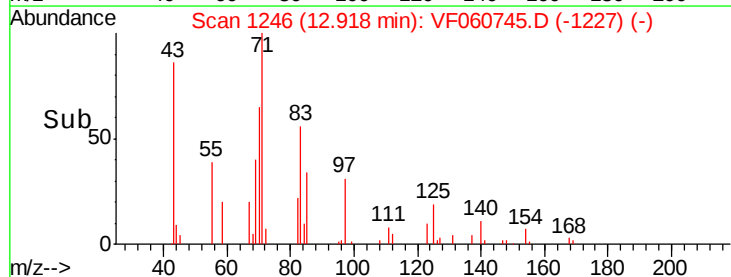
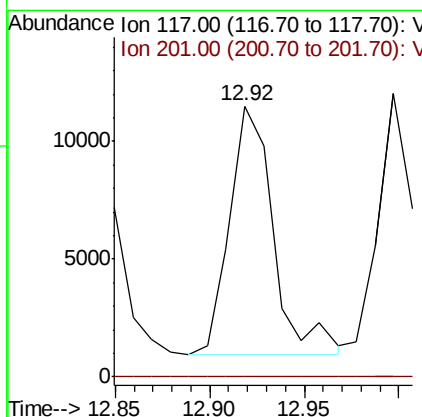
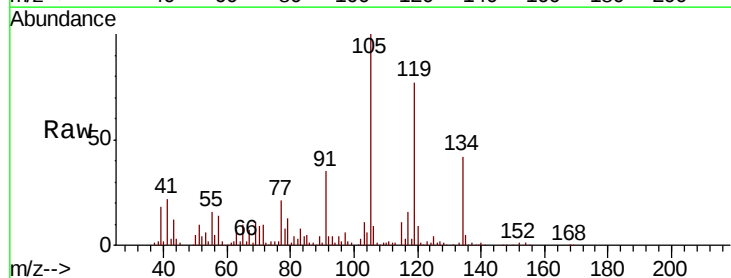
Instrument :
MSVOA_F
ClientSampleId :

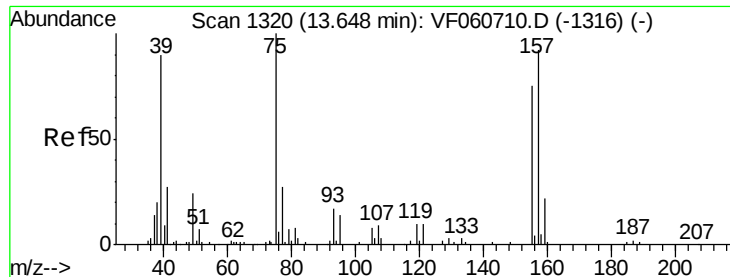
Tot Ion: 91 Resp: 851732
Ion Ratio Lower Upper
91 100
92 57.0 33.1 99.2
134 55.0 11.9 35.9#



#90
Hexachloroethane
Concen: 4.566 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060745.D
Acq: 15 Nov 2018 14:27

Tgt Ion: 117 Resp: 16857
Ion Ratio Lower Upper
117 100
201 0.0 29.4 88.3#

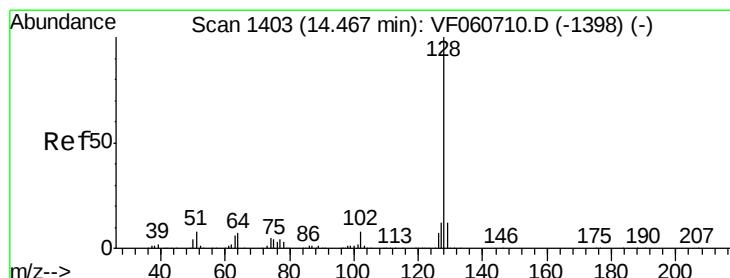
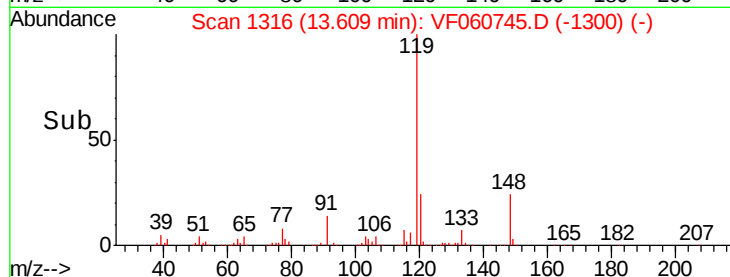
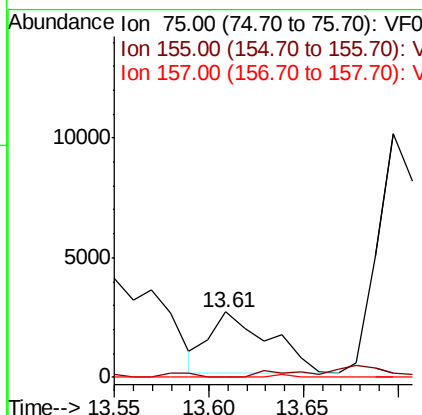
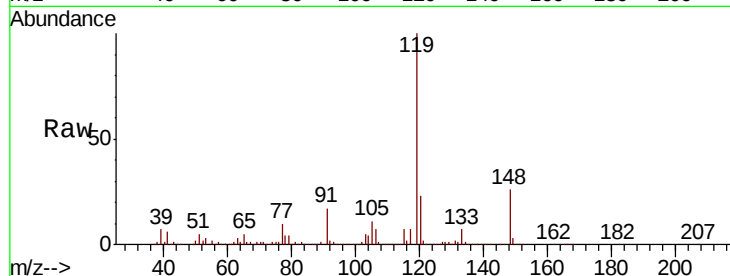




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.273 ug/l
 RT: 13.61 min Scan# 1316
 Delta R.T. -0.04 min
 Lab File: VF060745.D
 Acq: 15 Nov 2018 14:27

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 75 Resp: 5537
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.4 112.2#
 157 0.0 46.0 138.0#



#95
 Naphthalene
 Concen: 38.612 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: VF060745.D
 Acq: 15 Nov 2018 14:27

Tgt Ion: 128 Resp: 312188
 Ion Ratio Lower Upper
 128 100
 127 13.7 9.8 14.6
 129 14.2 9.3 13.9#

