

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060749.D
 Acq On : 15 Nov 2018 16:22
 Operator : VA/AP
 Sample : J5925-05
 Misc : 20.16g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1D1

Quant Time: Nov 16 04:37:11 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	0.00	168	0	0.00	ug/l	-4.89
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.62
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.79
72) 1,4-Dichlorobenzene-d4	12.67	152	99	50.00	ug/l	0.11

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	66	0.00	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.43	95	260	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	

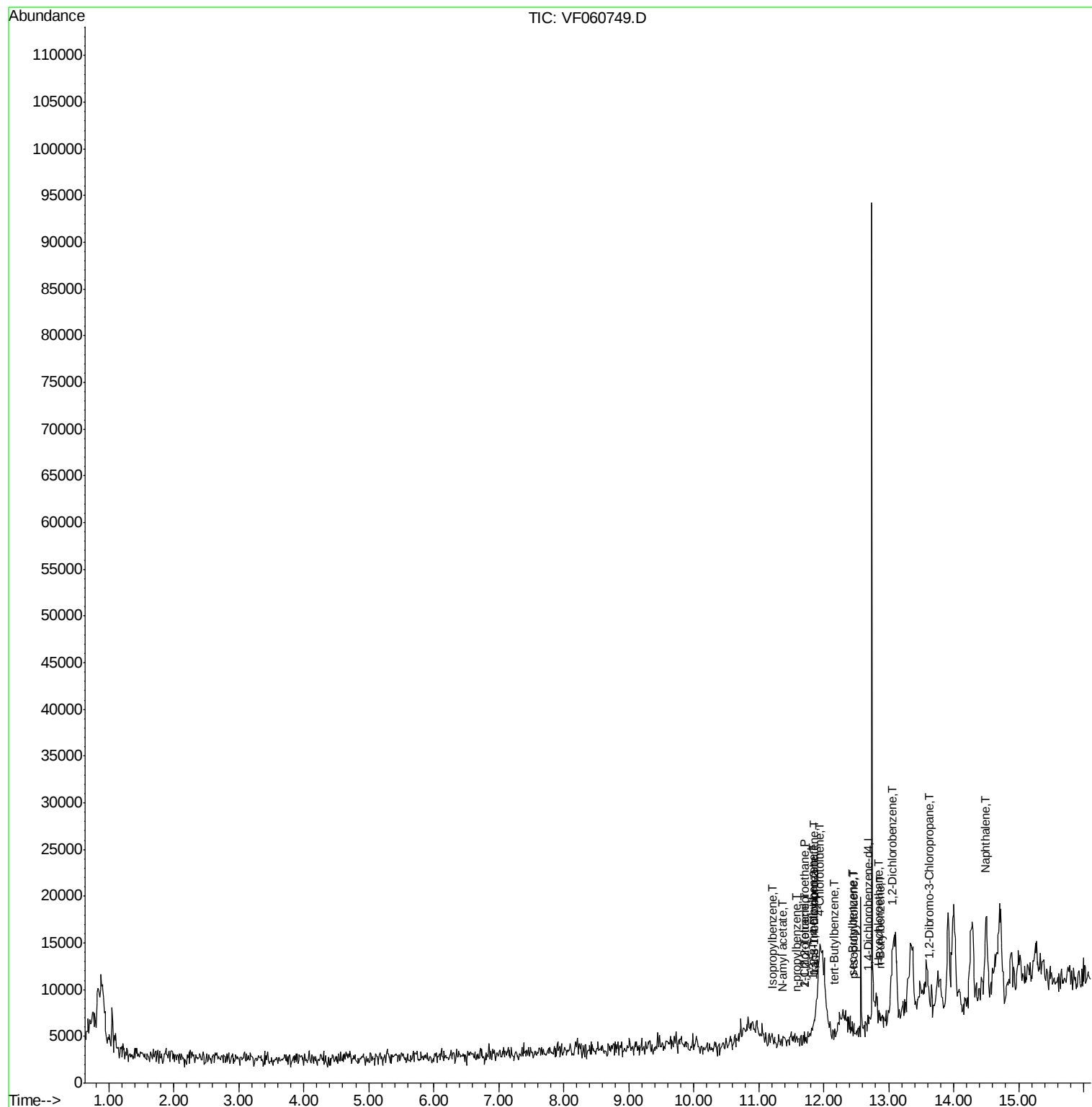
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
73) Isopropylbenzene	11.22	105	64	8.03	ug/l #	48
74) N-amyl acetate	11.37	43	503	277.27	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.71	83	67	50.85	ug/l #	25
76) 1,2,3-Trichloropropane	11.85	75	82	83.80	ug/l #	1
78) n-propylbenzene	11.59	91	82	8.82	ug/l #	53
79) 2-Chlorotoluene	11.70	91	108	19.99	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.83	105	98	15.49	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.85	75	82	170.58	ug/l #	20
82) 4-Chlorotoluene	11.92	91	71	12.83	ug/l #	43
83) tert-Butylbenzene	12.16	119	61	9.08	ug/l #	28
85) sec-Butylbenzene	12.44	105	69	7.57	ug/l #	56
86) p-Isopropyltoluene	12.46	119	76	9.99	ug/l #	13
89) n-Butylbenzene	12.87	91	67	8.63	ug/l #	26
90) Hexachloroethane	12.86	117	83	44.59	ug/l #	21
91) 1,2-Dichlorobenzene	13.05	146	67	21.56	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.64	75	66	266.53	ug/l #	7
95) Naphthalene	14.49	128	1395	342.23	ug/l #	30

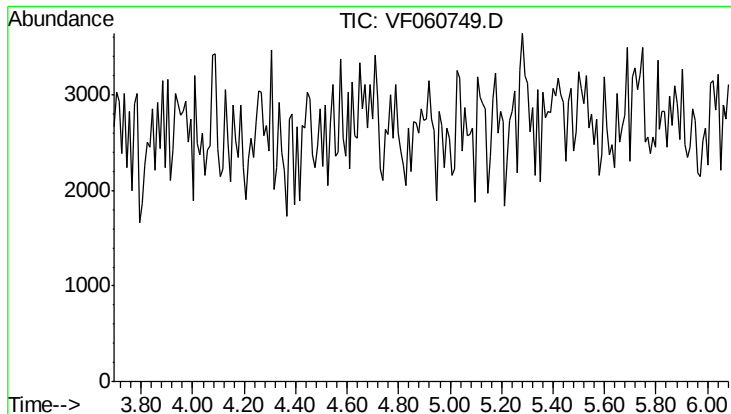
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
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#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 4.89 min

Lab File: VF060749.D

Acq: 15 Nov 2018 16:22

Tgt Ion: 168

Sig Exp Ratio

168 100

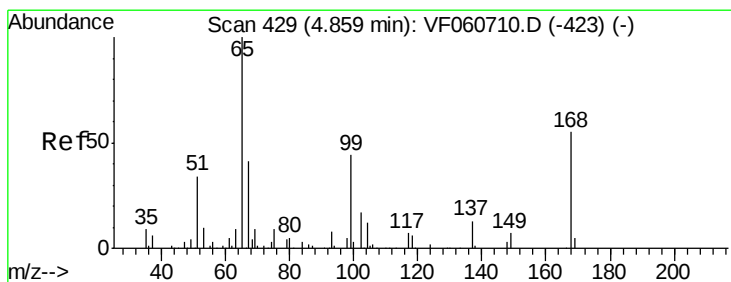
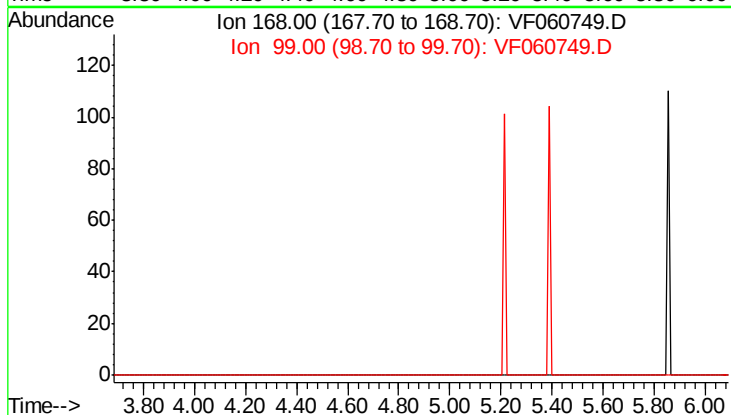
99 71.5

Instrument :

MSVOA_F

ClientSampleId :

TP-1D1



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF060749.D

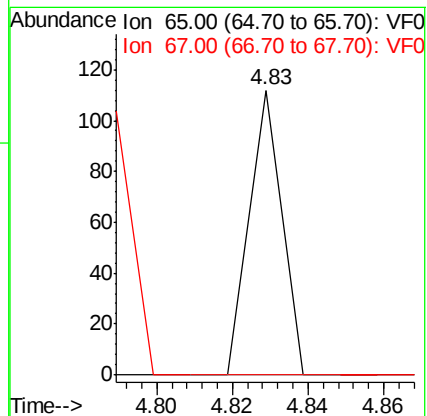
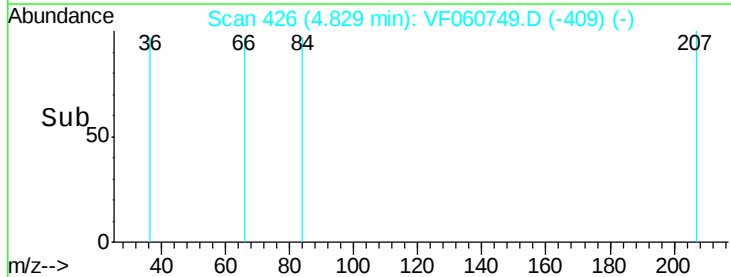
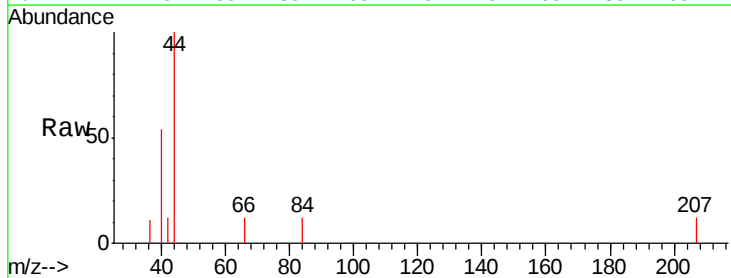
Acq: 15 Nov 2018 16:22

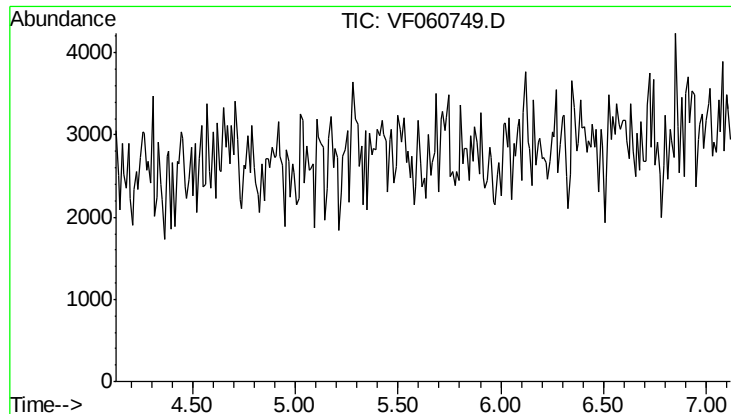
Tgt Ion: 65 Resp: 66

Ion Ratio Lower Upper

65 100

67 0.0 0.0 90.2



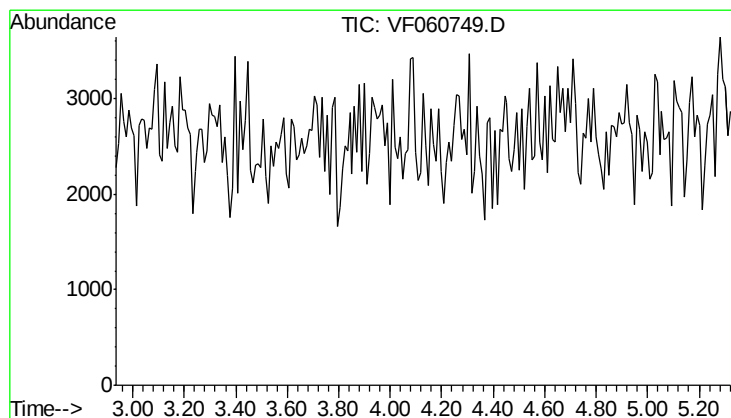
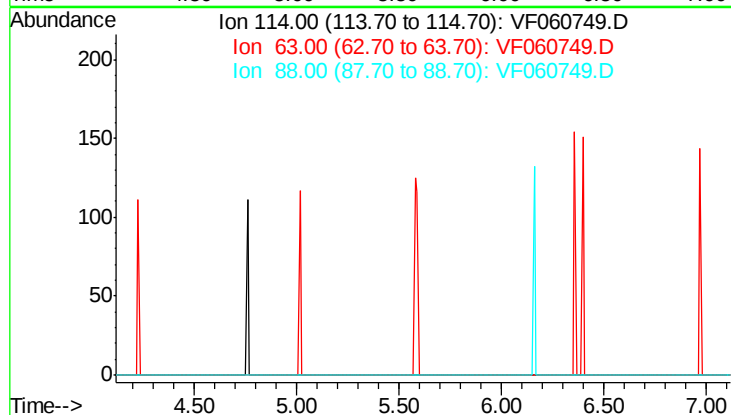


#34
 1,4-Difluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 5.62 min

Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1D1

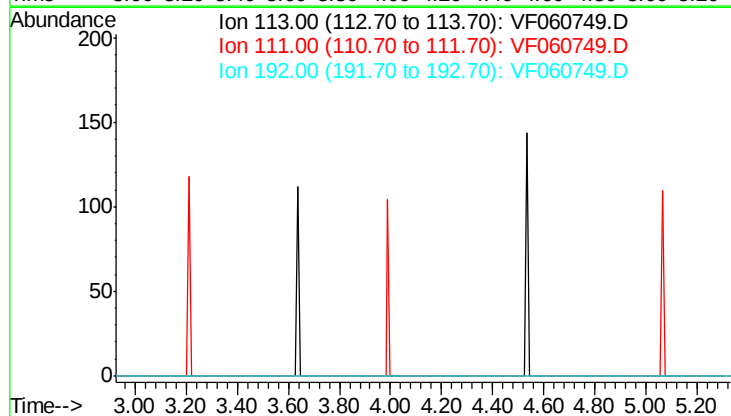
Tgt Ion: 114
 Sig Exp Ratio
 114 100
 63 20.4
 88 19.8

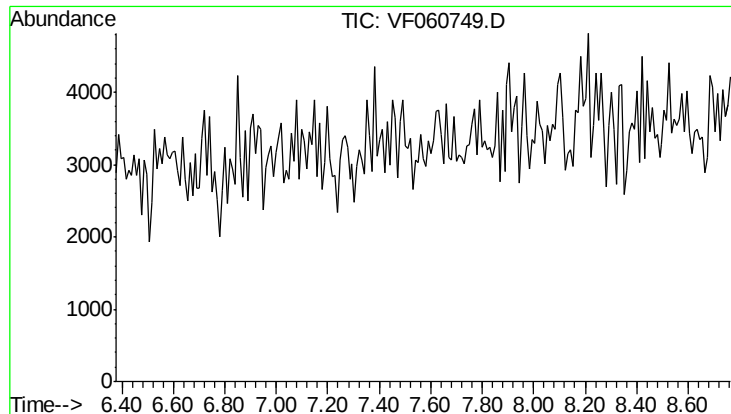


#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 4.13 min

Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 108.9
 192 17.2



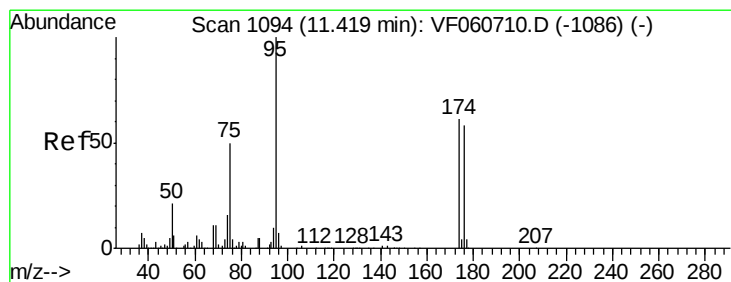
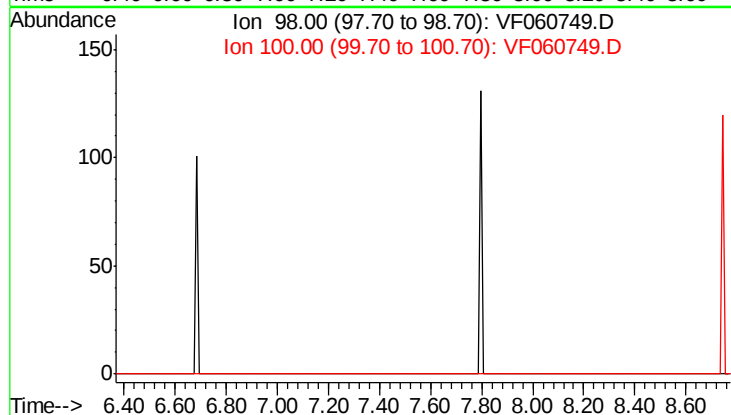


#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.57 min

Lab File: VF060749.D
Acq: 15 Nov 2018 16:22

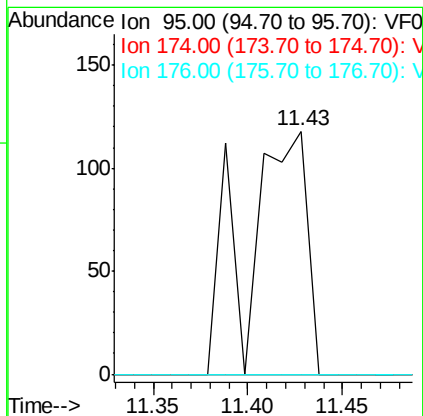
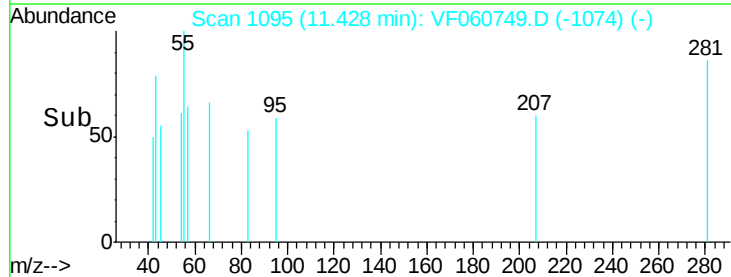
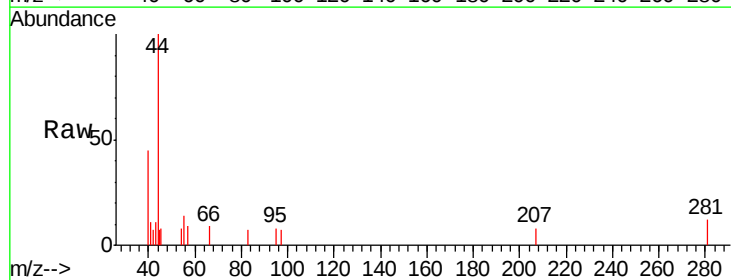
Instrument :
MSVOA_F
ClientSampleId :
TP-1D1

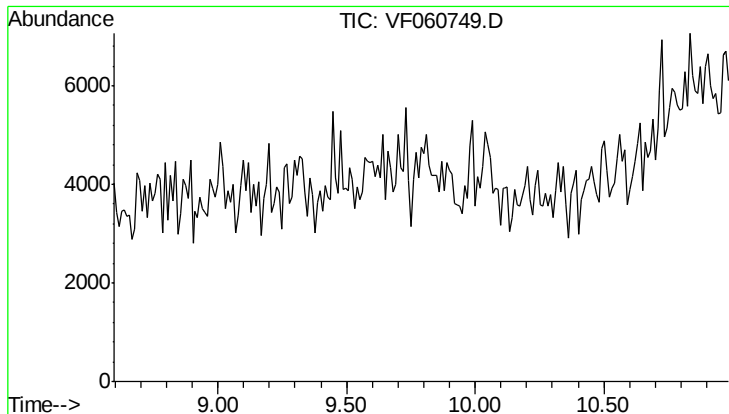
Tgt Ion: 98
Sig Exp Ratio
98 100
100 70.6



#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF060749.D
Acq: 15 Nov 2018 16:22

Tgt Ion: 95 Resp: 260
Ion Ratio Lower Upper
95 100
174 0.0 0.0 121.6
176 0.0 0.0 115.2

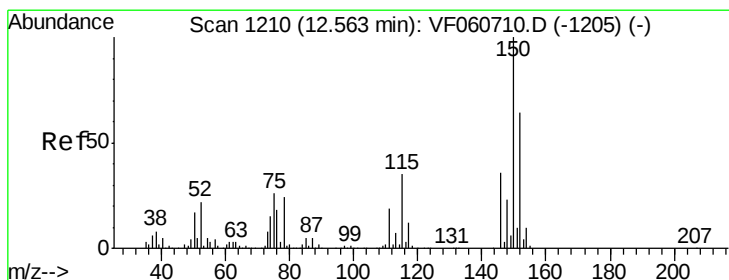
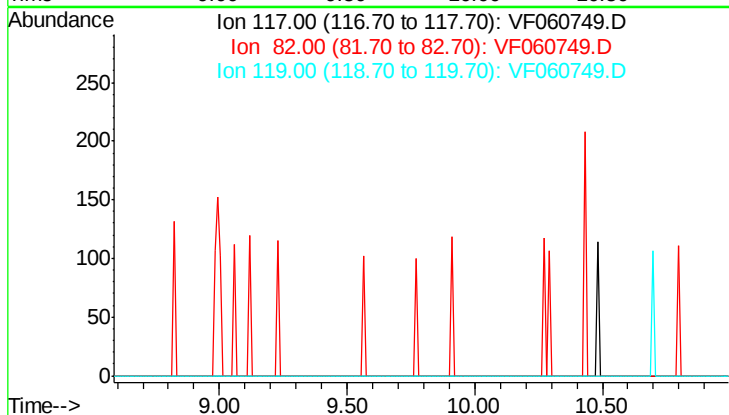




#63
 Chlorobenzene-d5
 Concen: 0.00 ug/l
 Expected RT: 9.79 min
 Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

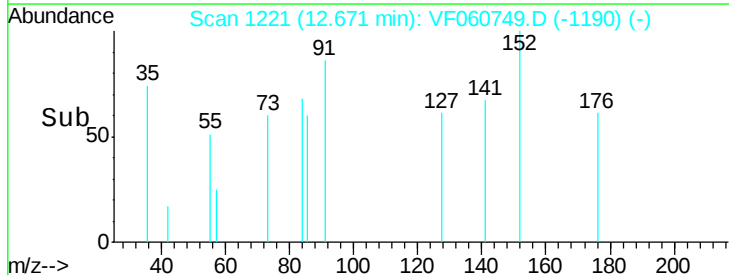
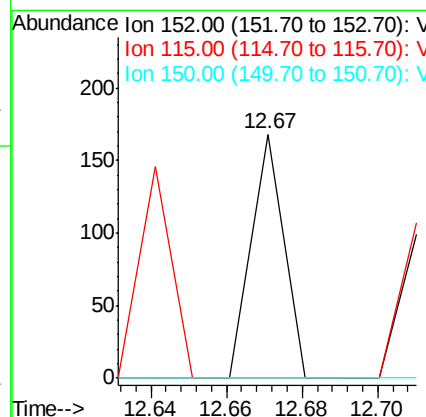
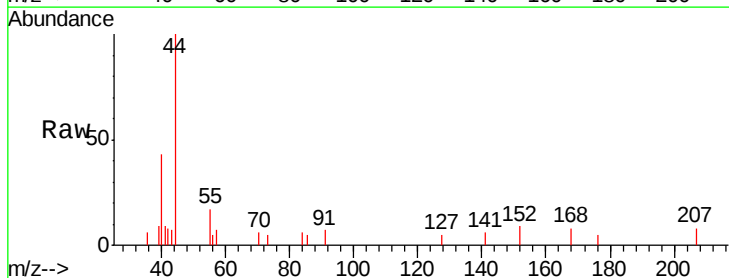
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1D1

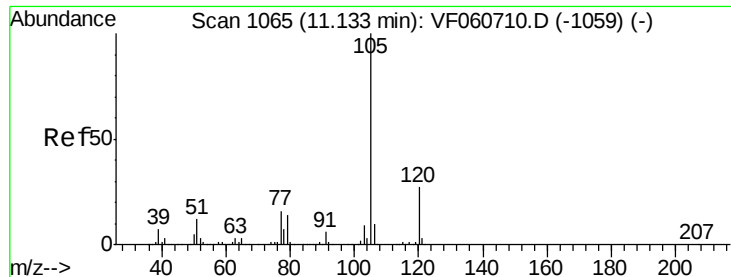
Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 59.9
 119 33.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.67 min Scan# 1221
 Delta R.T. 0.11 min
 Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

Tgt Ion: 152 Resp: 99
 Ion Ratio Lower Upper
 152 100
 115 0.0 27.9 83.7#
 150 0.0 0.0 316.4





#73

Isopropylbenzene

Concen: 8.03 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.09 min

Lab File: VF060749.D

Acq: 15 Nov 2018 16:22

Instrument :

MSVOA_F

ClientSampleId :

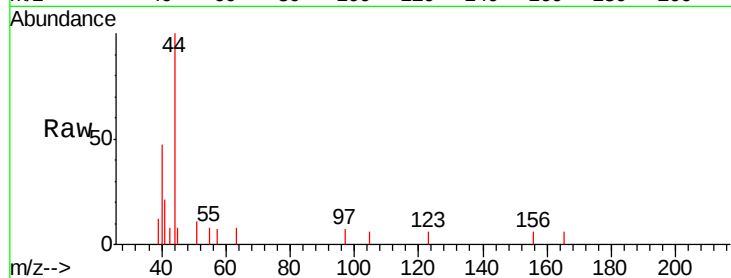
TP-1D1

Tgt Ion: 105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

100

80

60

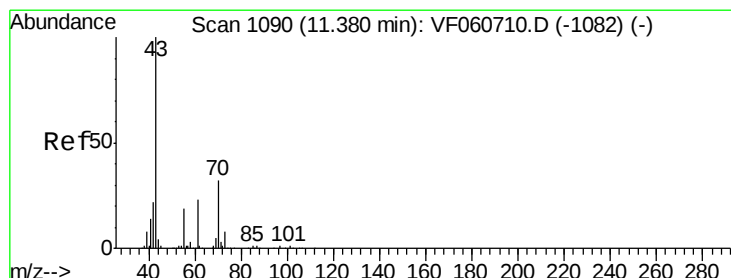
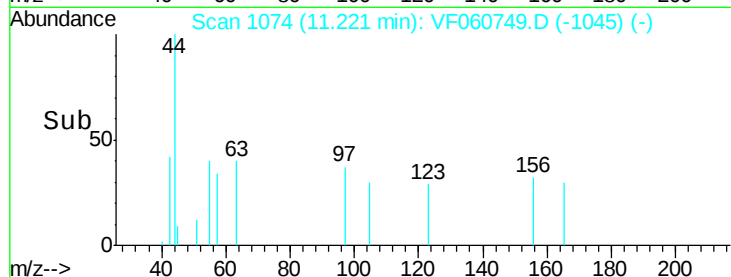
40

20

0

Time-->

11.20 11.22 11.24



#74

N-ethyl acetate

Concen: 277.27 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060749.D

Acq: 15 Nov 2018 16:22

Tgt Ion: 43 Resp: 503

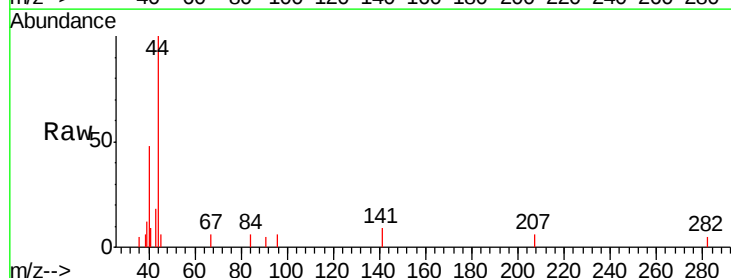
Ion Ratio Lower Upper

43 100

70 0.0 25.5 38.3#

55 0.0 14.9 22.3#

61 0.0 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

11.37

400

300

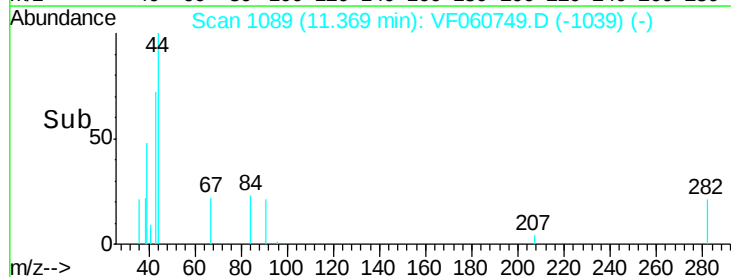
200

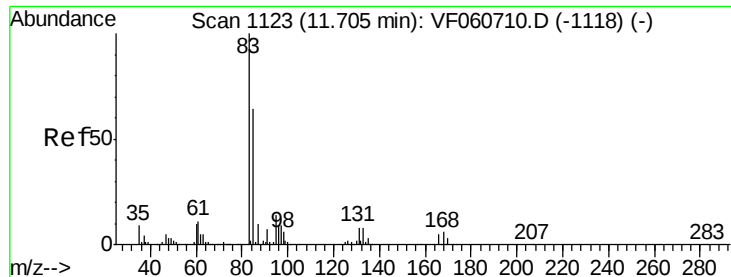
100

0

Time-->

11.34 11.36 11.38 11.40





#75

1,1,2,2-Tetrachloroethane

Concen: 50.85 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF060749.D

Acq: 15 Nov 2018 16:22

Instrument :

MSVOA_F

ClientSampled :

TP-1D1

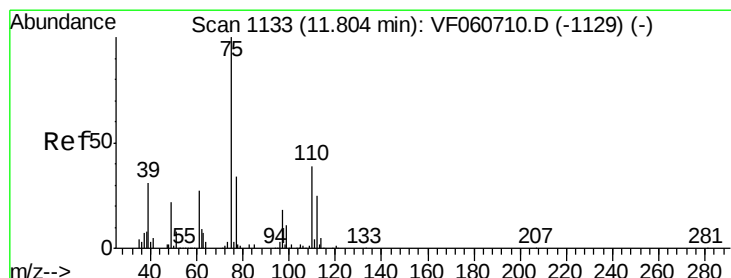
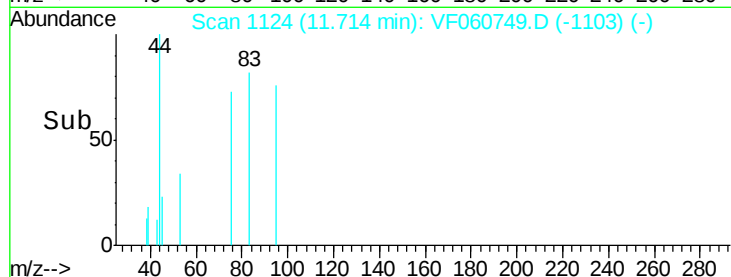
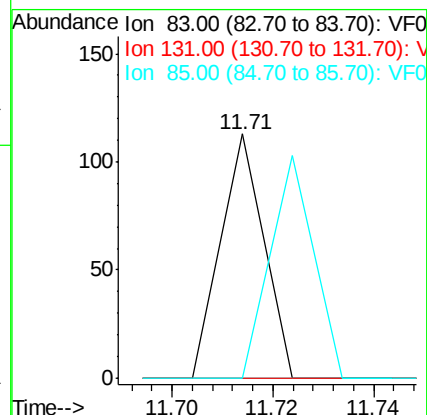
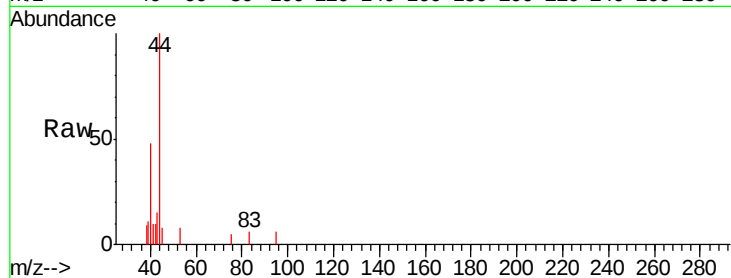
Tgt Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 0.0 32.0 96.2#



#76

1,2,3-Trichloropropane

Concen: 83.80 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. 0.05 min

Lab File: VF060749.D

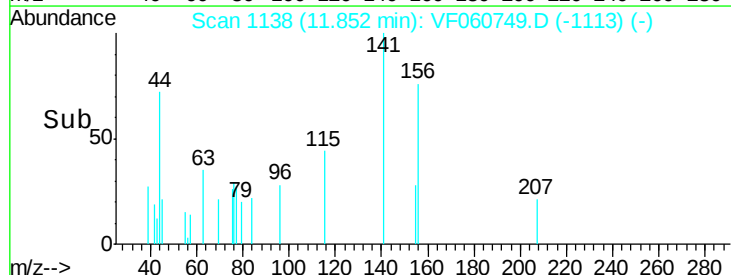
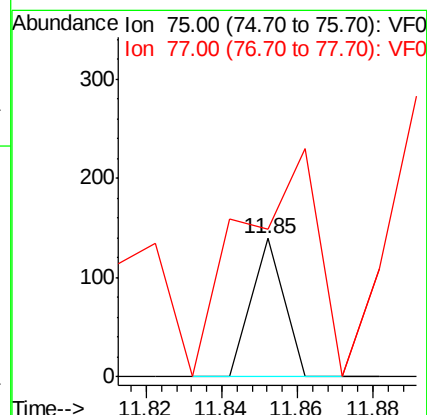
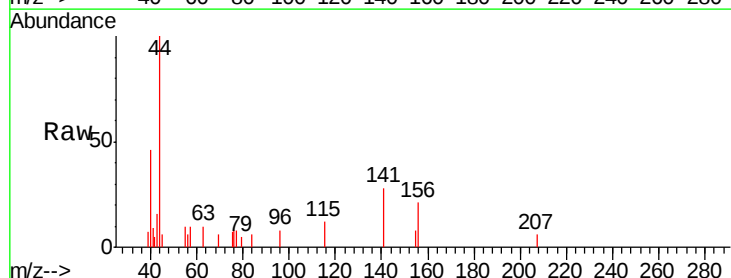
Acq: 15 Nov 2018 16:22

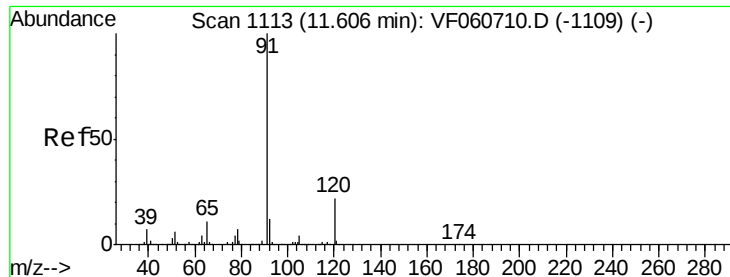
Tgt Ion: 75 Resp: 82

Ion Ratio Lower Upper

75 100

77 106.5 17.0 51.0#





#78

n-propylbenzene

Concen: 8.82 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF060749.D

Acq: 15 Nov 2018 16:22

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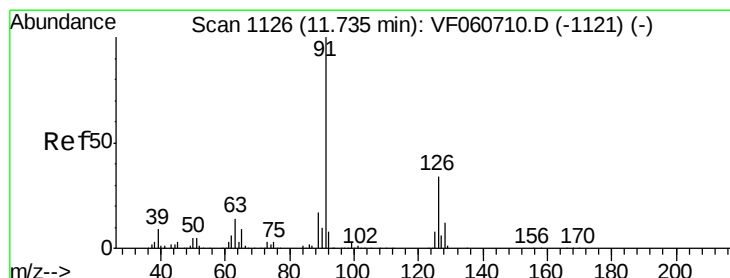
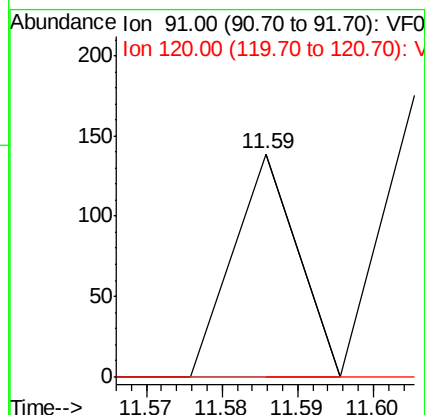
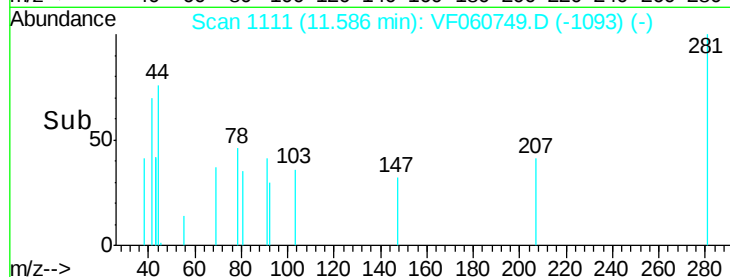
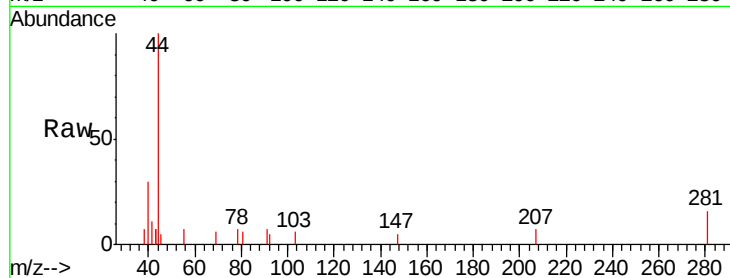
TP-1D1

Tgt Ion: 91 Resp: 82

Ion Ratio Lower Upper

91 100

120 0.0 11.2 33.5#



#79

2-Chlorotoluene

Concen: 19.99 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF060749.D

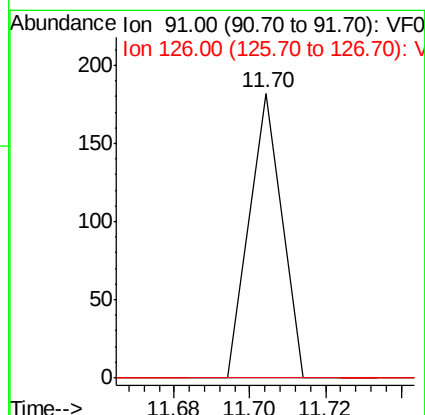
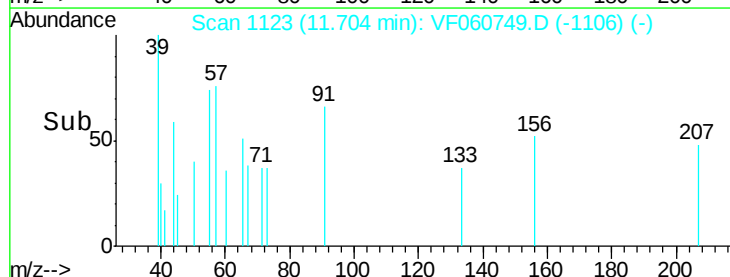
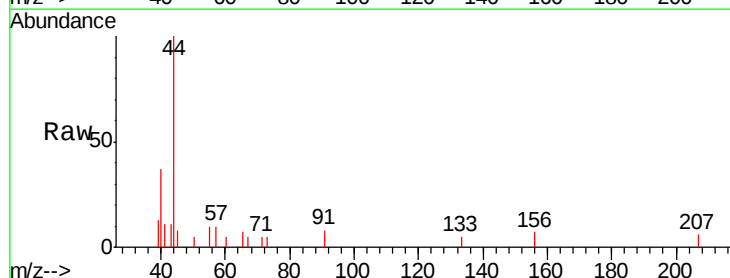
Acq: 15 Nov 2018 16:22

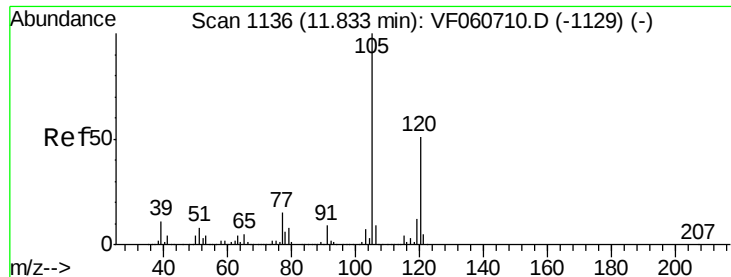
Tgt Ion: 91 Resp: 108

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#

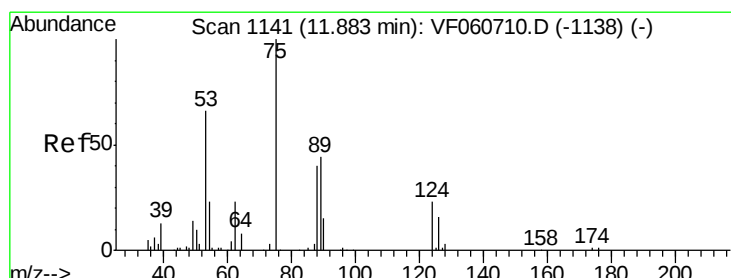
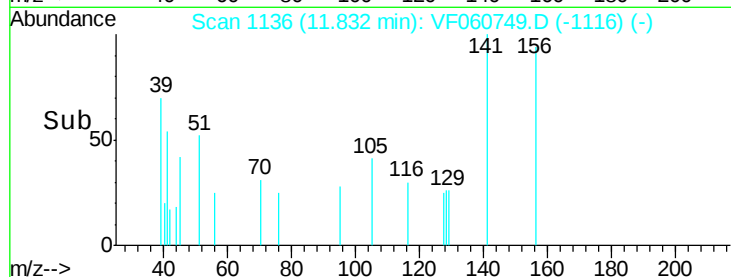
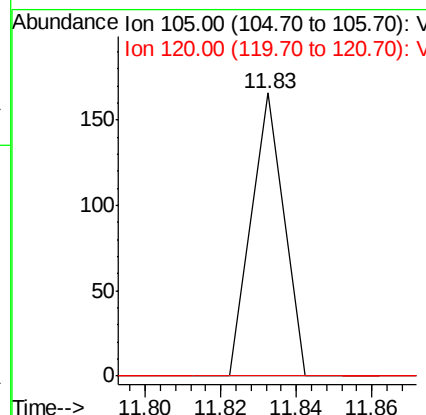
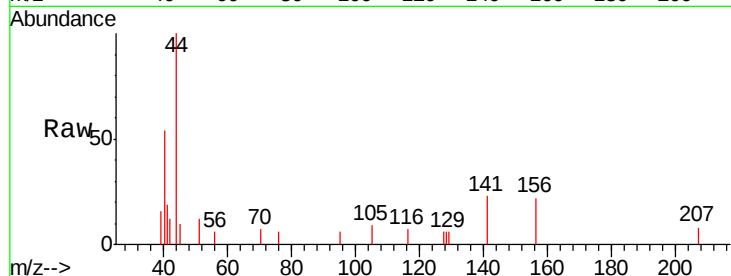




#80
 1,3,5-Trimethylbenzene
 Concen: 15.49 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

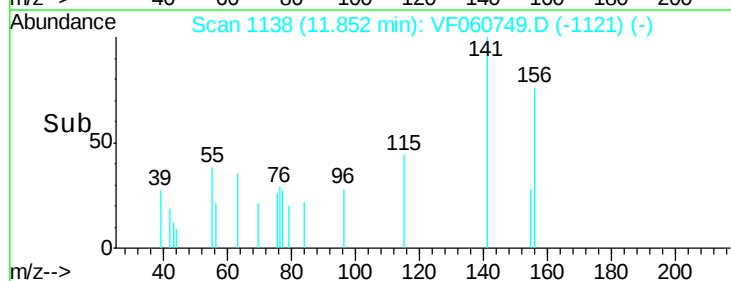
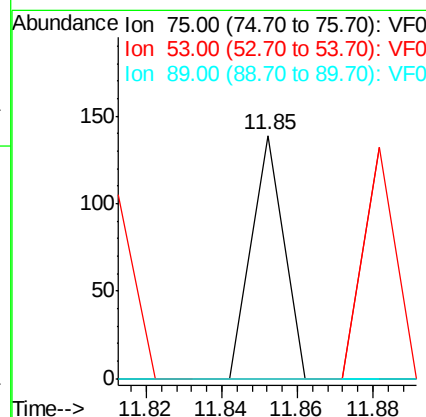
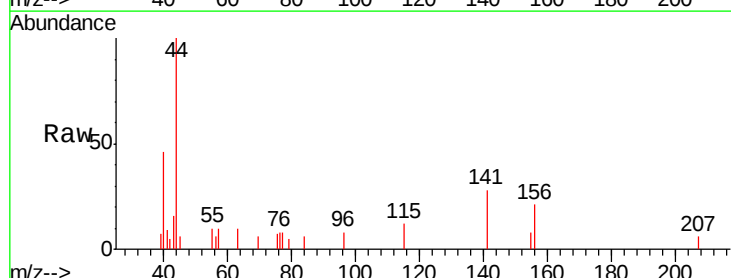
Instrument :
 MSVOA_F
 ClientSampled :
 TP-1D1

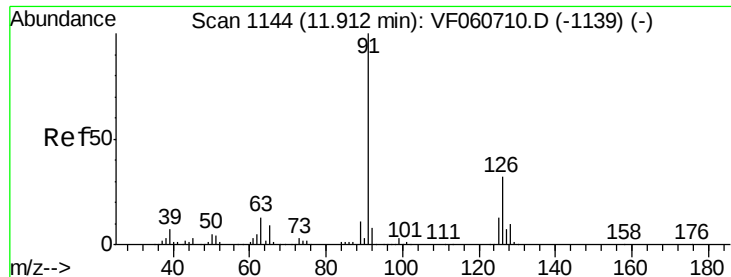
Tgt Ion: 105 Resp: 98
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.6 76.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.58 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. -0.03 min
 Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

Tgt Ion: 75 Resp: 82
 Ion Ratio Lower Upper
 75 100
 53 0.0 57.0 85.4#
 89 0.0 37.8 56.8#

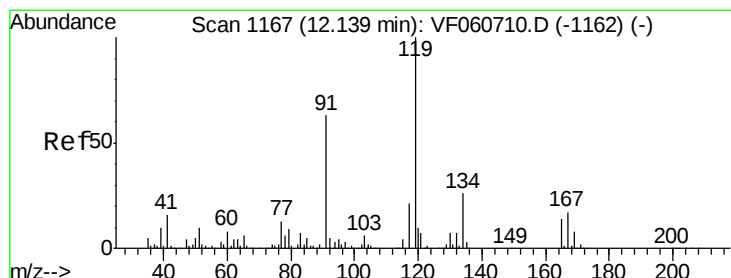
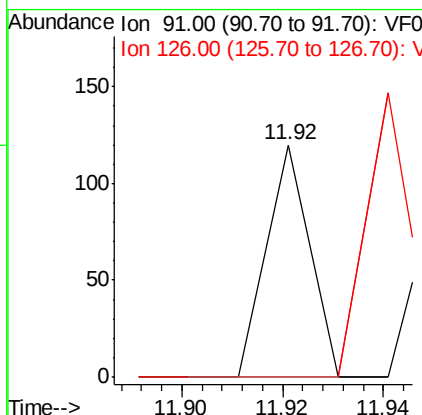
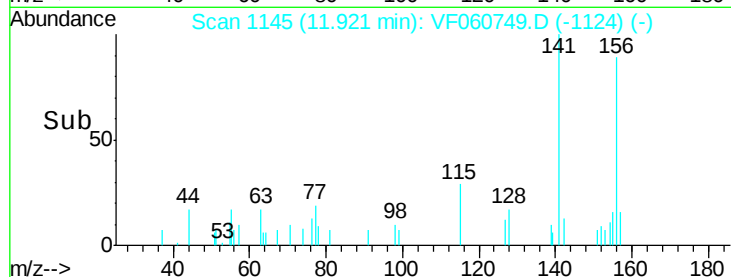
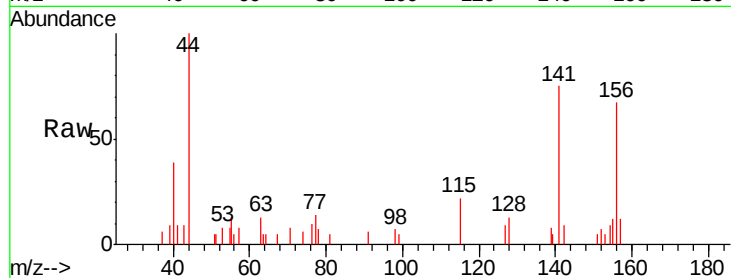




#82
4-Chlorotoluene
Concen: 12.83 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VF060749.D
Acq: 15 Nov 2018 16:22

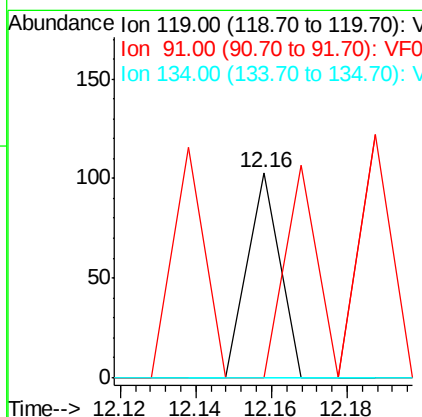
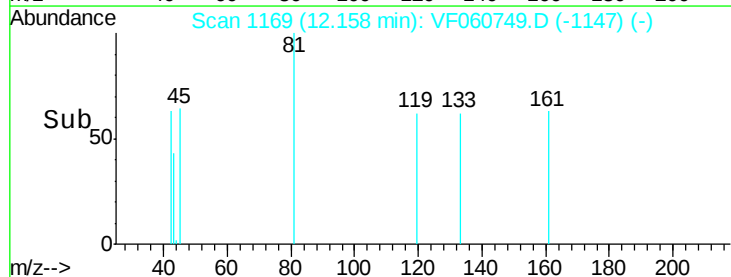
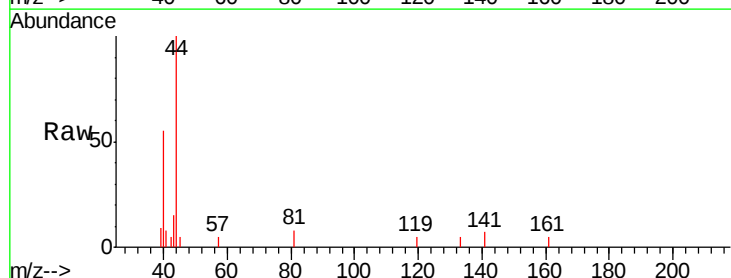
Instrument :
MSVOA_F
ClientSampleId :
TP-1D1

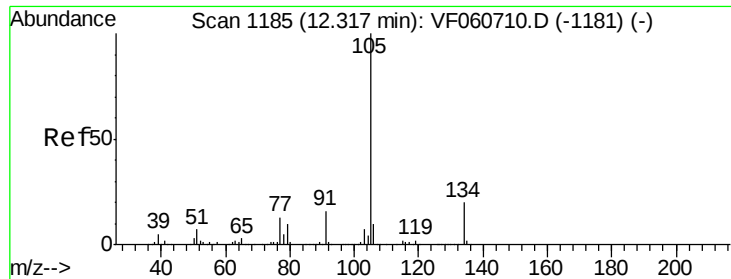
Tgt Ion: 91 Resp: 71
Ion Ratio Lower Upper
91 100
126 0.0 16.0 47.9#



#83
tert-Butylbenzene
Concen: 9.08 ug/l
RT: 12.16 min Scan# 1169
Delta R.T. 0.02 min
Lab File: VF060749.D
Acq: 15 Nov 2018 16:22

Tgt Ion: 119 Resp: 61
Ion Ratio Lower Upper
119 100
91 0.0 31.4 94.3#
134 0.0 12.8 38.4#

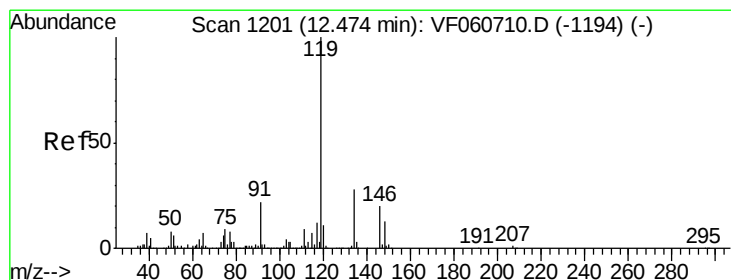
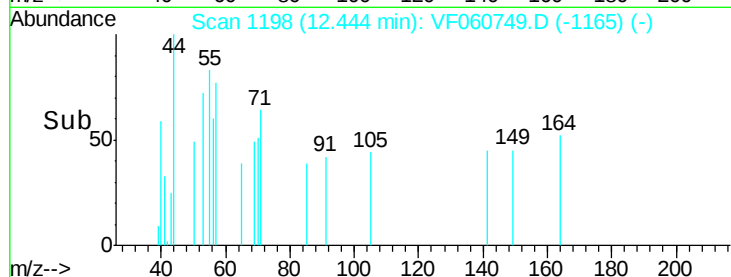
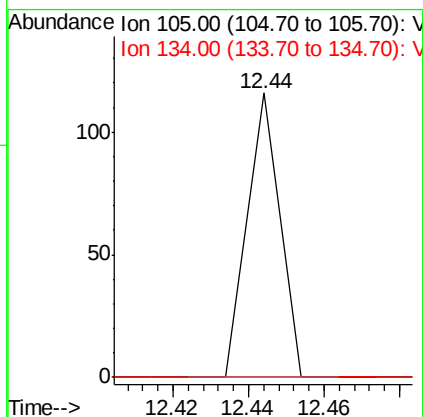
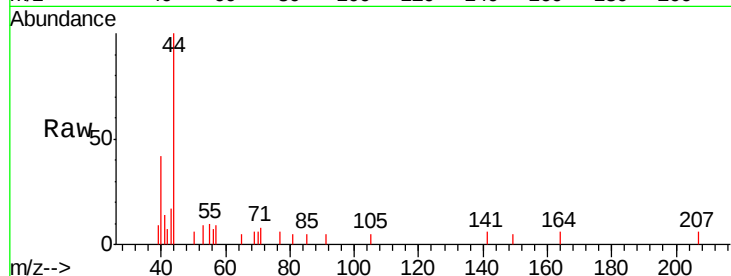




#85
 sec-Butylbenzene
 Concen: 7.57 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. 0.13 min
 Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

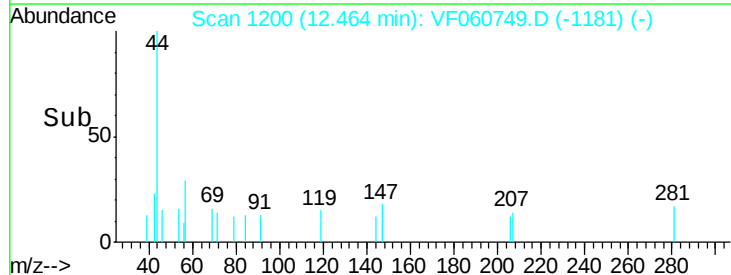
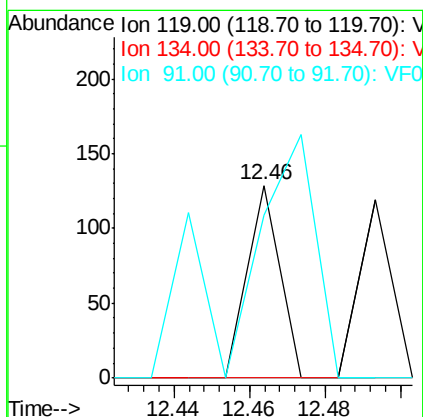
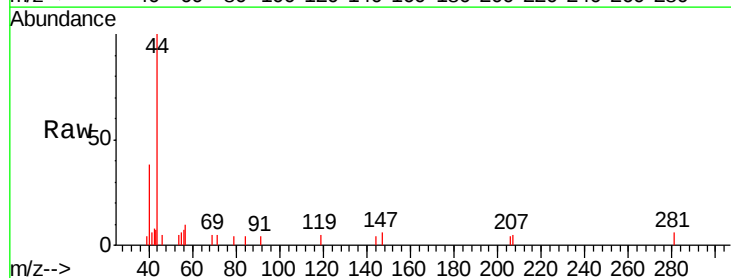
Instrument :
 MSVOA_F
 ClientSampled :
 TP-1D1

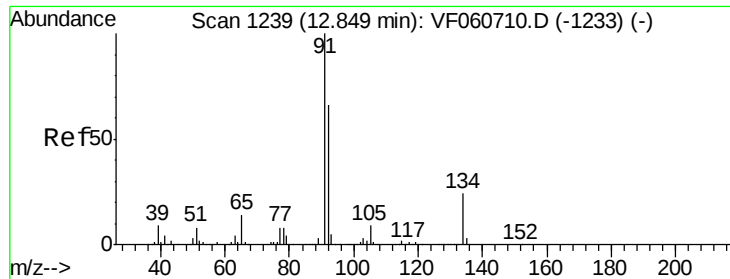
Tgt Ion:105 Resp: 69
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 9.99 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060749.D
 Acq: 15 Nov 2018 16:22

Tgt Ion:119 Resp: 76
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.9 41.7#
 91 84.5 11.3 33.9#

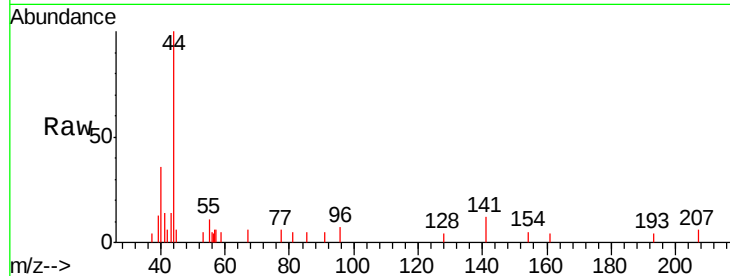




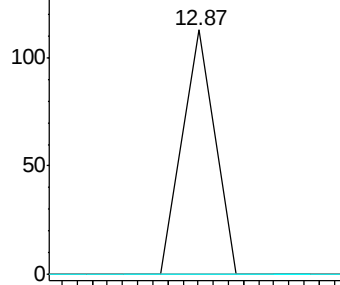
#89
n-Butylbenzene
Concen: 8.63 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VF060749.D
Acq: 15 Nov 2018 16:22

Instrument :
MSVOA_F
ClientSampled :
TP-1D1

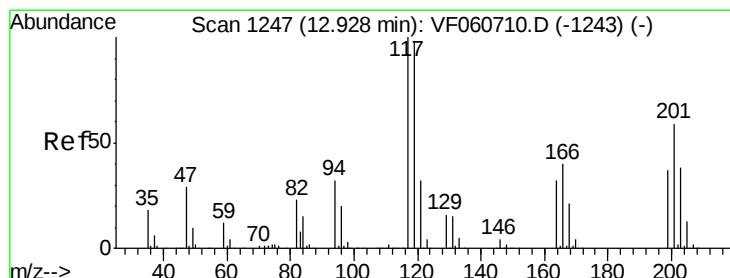
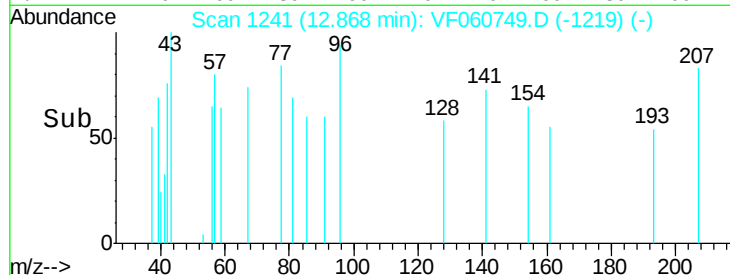
Tgt Ion: 91 Resp: 67
Ion Ratio Lower Upper
91 100
92 0.0 33.1 99.2#
134 0.0 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

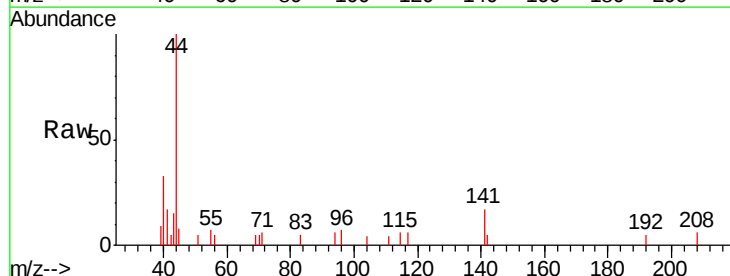


Time-->

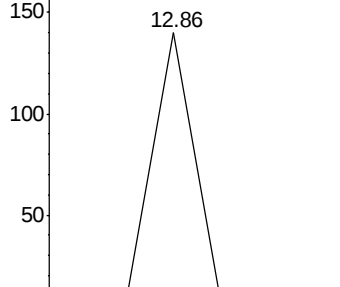


#90
Hexachloroethane
Concen: 44.59 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.07 min
Lab File: VF060749.D
Acq: 15 Nov 2018 16:22

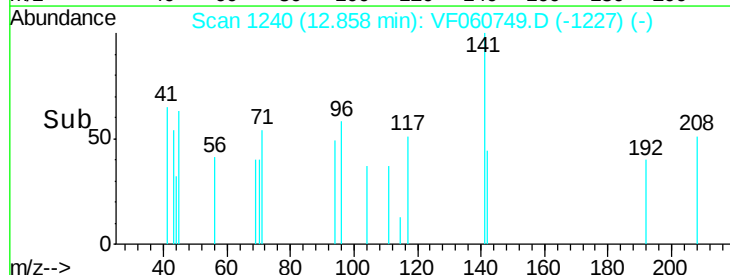
Tgt Ion: 117 Resp: 83
Ion Ratio Lower Upper
117 100
201 0.0 29.4 88.3#

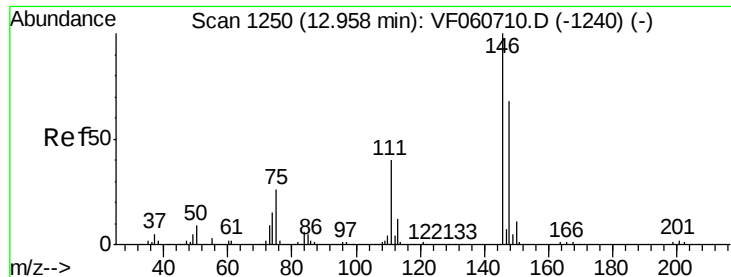


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V



Time-->





#91

1,2-Dichlorobenzene

Concen: 21.56 ug/l

RT: 13.05 min Scan# 1259

Delta R.T. 0.09 min

Lab File: VF060749.D

Acq: 15 Nov 2018 16:22

Instrument :

MSVOA_F

ClientSampled :

TP-1D1

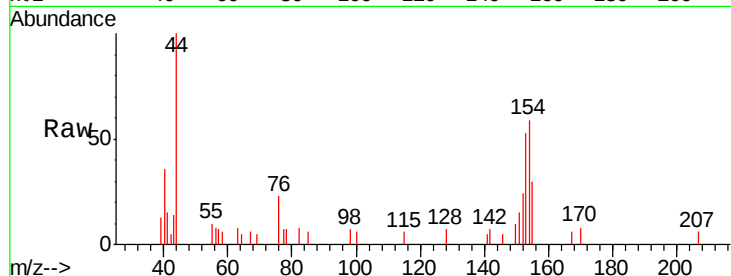
Tgt Ion:146 Resp: 67

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.8#

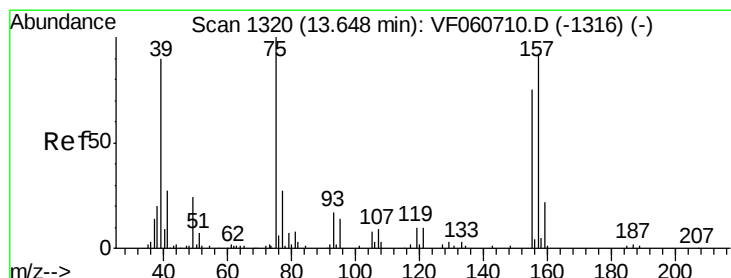
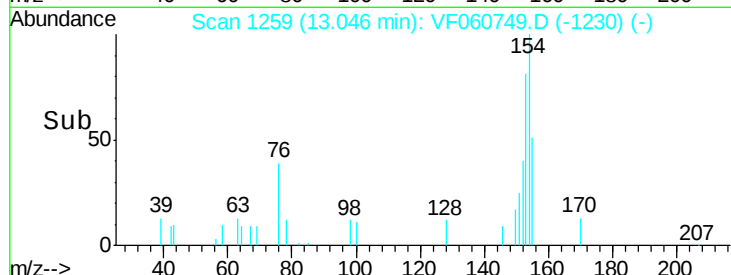
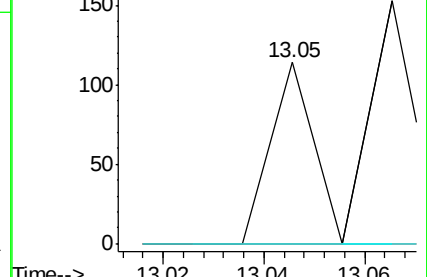
148 0.0 34.1 102.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 266.53 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF060749.D

Acq: 15 Nov 2018 16:22

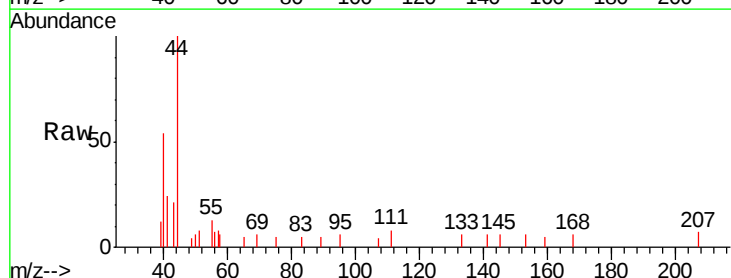
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 37.4 112.2#

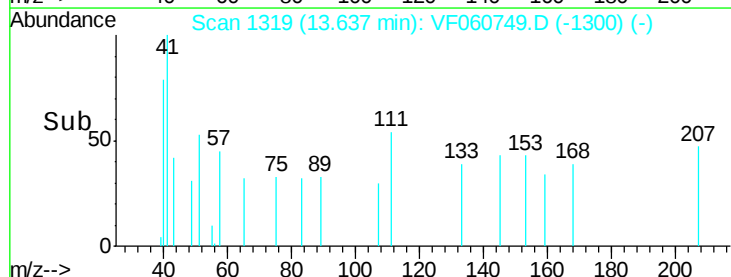
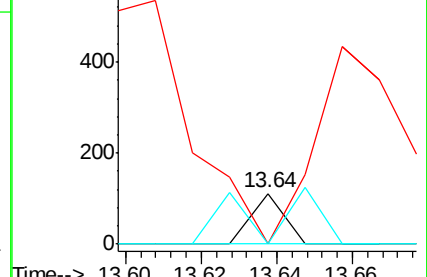
157 0.0 46.0 138.0#

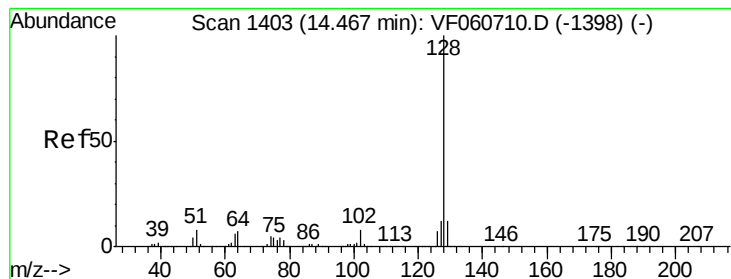


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#95

Naphthalene

Concen: 342.23 ug/l

RT: 14.49 min Scan# 1405

Delta R.T. 0.02 min

Lab File: VF060749.D

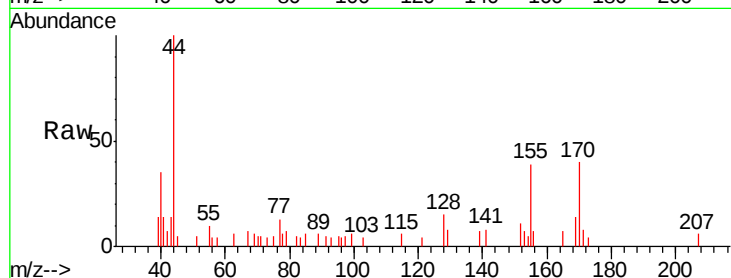
Acq: 15 Nov 2018 16:22

Instrument :

MSVOA_F

ClientSampleId :

TP-1D1



Tgt Ion:	128	Resp:	1395
Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.6#
129	54.0	9.3	13.9#

