

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060150.D
 Acq On : 28 Aug 2018 15:23
 Operator : VA/AP
 Sample : J4282-13RE
 Misc : 6.14g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

Quant Time: Aug 28 16:17:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	101206	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	149298	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	81512	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	18408	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	47299	34.15	ug/l	-0.02
Spiked Amount			Recovery	=	68.30%	
35) Dibromofluoromethane	4.29	113	89	0.08	ug/l	-0.01
Spiked Amount			Recovery	=	0.16%	
50) Toluene-d8	7.71	98	113215	34.00	ug/l	-0.01
Spiked Amount			Recovery	=	68.00%	
62) 4-Bromofluorobenzene	11.50	95	25665	14.57	ug/l	-0.01
Spiked Amount			Recovery	=	29.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	1017	Below Cal		97
11) Tert butyl alcohol	2.64	59	144	1.954	ug/l #	80
13) Acrolein	2.09	56	60	27.516	ug/l #	1
15) Acrylonitrile	3.07	53	222	1.527	ug/l #	11
16) Acetone	2.31	43	14220	39.062	ug/l	93
17) Carbon Disulfide	1.84	76	17335	8.606	ug/l	100
18) Methyl Acetate	2.47	43	2207	Below Cal	#	60
20) Methylene Chloride	2.27	84	6210	3.940	ug/l #	78
25) 2-Butanone	4.47	43	881	1.863	ug/l #	58
29) Tetrahydrofuran	4.23	42	351	1.966	ug/l #	37
31) Cyclohexane	3.85	56	1269	1.054	ug/l #	55
39) Methylcyclohexane	5.62	83	2574	1.957	ug/l #	79
41) Methacrylonitrile	4.86	41	1018	2.399	ug/l #	52
51) 4-Methyl-2-Pentanone	8.39	43	3149	3.453	ug/l #	80
52) Toluene	7.77	92	79362	39.193	ug/l	95
55) 1,1,2-Trichloroethane	8.53	97	1299	1.571	ug/l #	38
56) Ethyl methacrylate	8.82	69	1161	1.160	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.77	63	15779	198.591	ug/l	100
59) 2-Hexanone	9.62	43	3688	4.996	ug/l	69
64) Tetrachloroethene	8.30	164	1378	2.510	ug/l #	82
67) Ethyl Benzene	10.03	91	14330	5.396	ug/l	96
68) m/p-Xylenes	10.26	106	31547	29.578	ug/l	93
69) o-Xylene	10.82	106	19309	18.557	ug/l	92
73) Isopropylbenzene	11.22	105	7081	6.390	ug/l	95
74) N-amyl acetate	11.46	43	995	2.889	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	11.75	83	1406	5.810	ug/l #	1
76) 1,2,3-Trichloropropane	11.91	75	1380	7.354	ug/l #	1
78) n-propylbenzene	11.68	91	20598	15.061	ug/l	98
79) 2-Chlorotoluene	11.80	91	20233	25.160	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.91	105	111261	115.254	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.91	75	1380	16.072	ug/l #	1
82) 4-Chlorotoluene	11.97	91	907	1.039	ug/l #	41
83) tert-Butylbenzene	12.21	119	1047	1.112	ug/l #	57
84) 1,2,4-Trimethylbenzene	12.28	105	185129	180.387	ug/l	93

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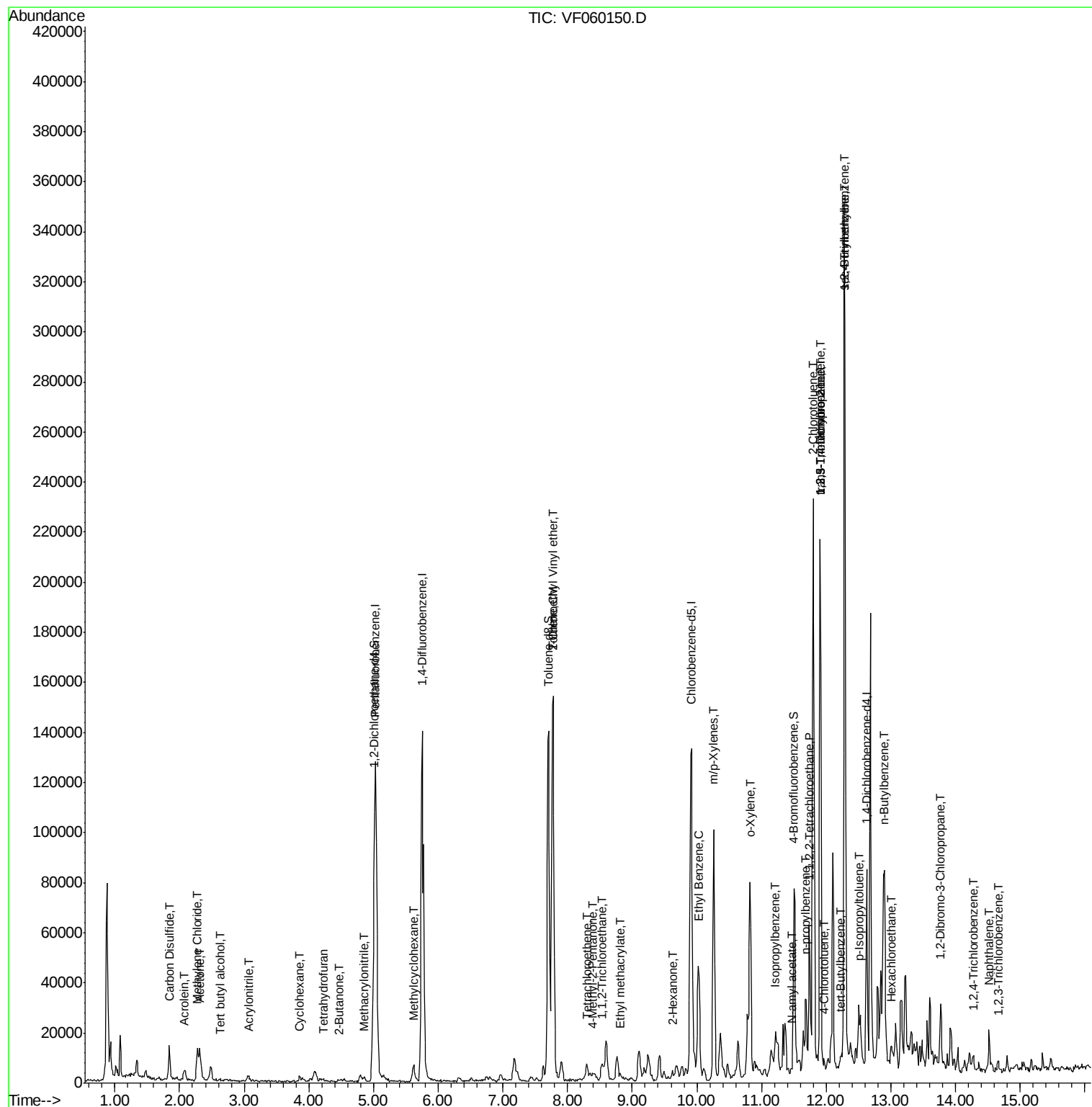
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.28	105	185129	141.237	ug/l #	58
86) p-Isopropyltoluene	12.51	119	18012	16.563	ug/l	95
89) n-Butylbenzene	12.90	91	11441	10.829	ug/l #	1
90) Hexachloroethane	13.00	117	266	1.089	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.76	75	134	2.710	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.27	180	676	1.713	ug/l #	62
95) Naphthalene	14.52	128	8412	14.011	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	564	1.498	ug/l #	61

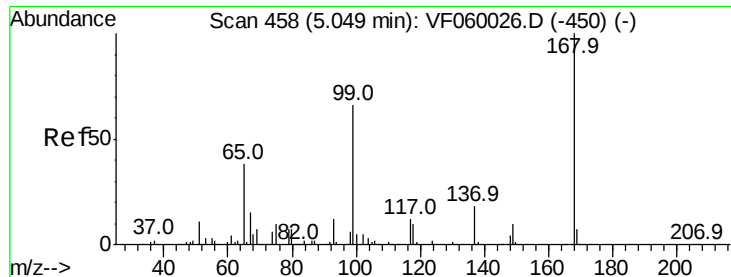
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

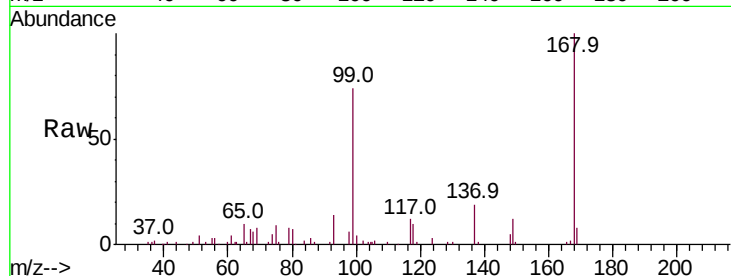
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion:168 Resp: 101206

Ion Ratio Lower Upper

168 100

99 73.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

30000

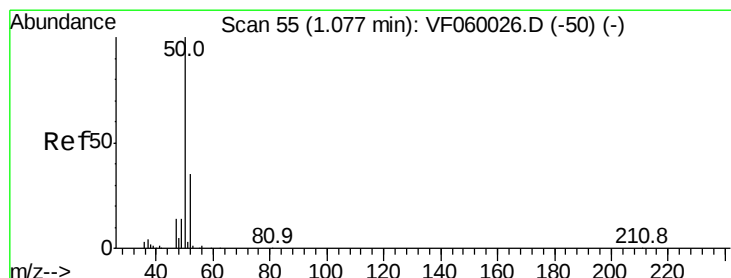
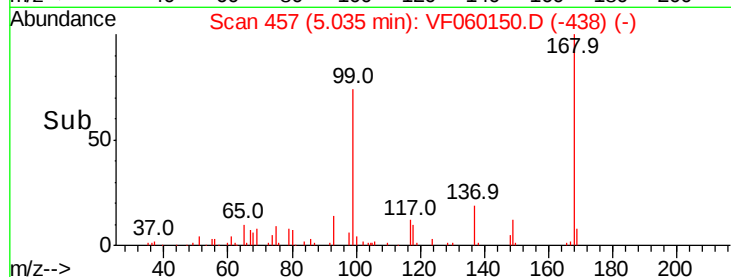
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060150.D

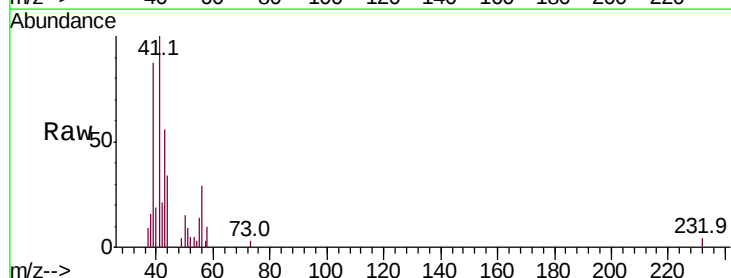
Acq: 28 Aug 2018 15:23

Tgt Ion: 50 Resp: 1017

Ion Ratio Lower Upper

50 100

52 33.0 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

600

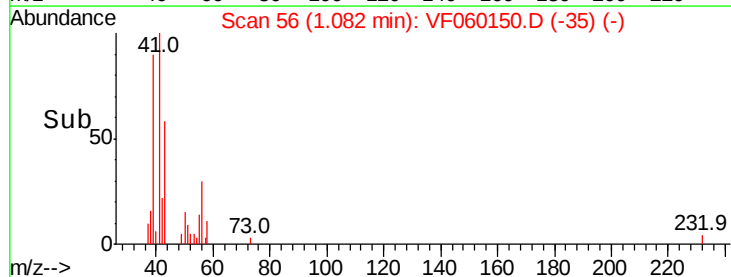
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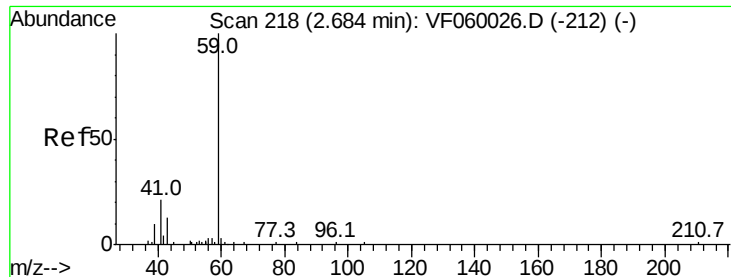
200

0

Time-->

1.05 1.10



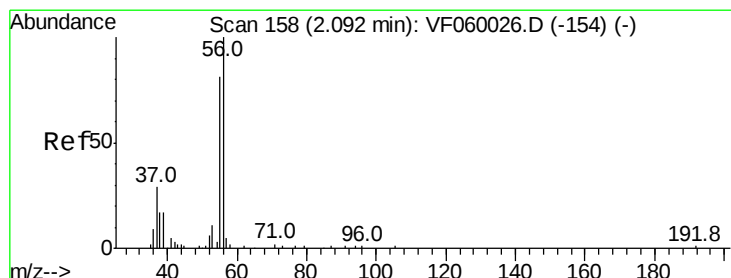
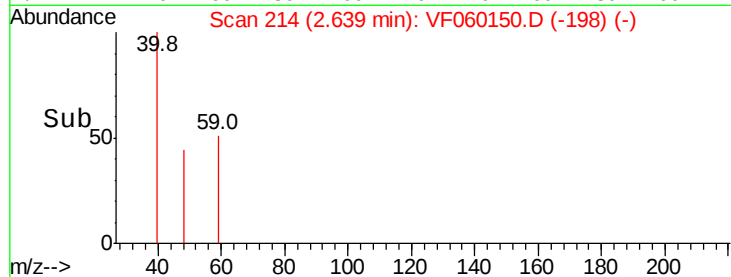
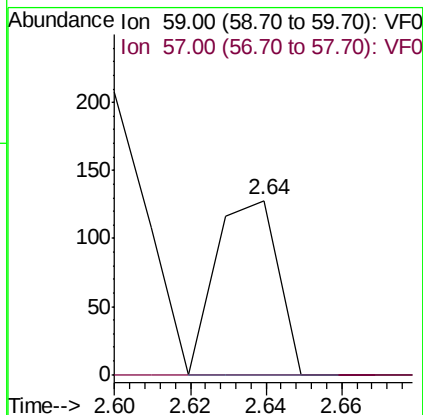
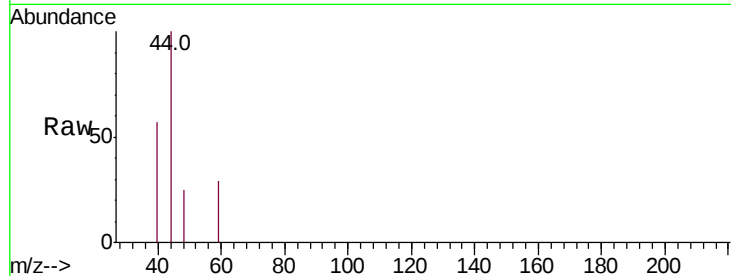


#11

Tert butyl alcohol
 Concen: 1.954 ug/l
 RT: 2.64 min Scan# 214
 Delta R.T. -0.04 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

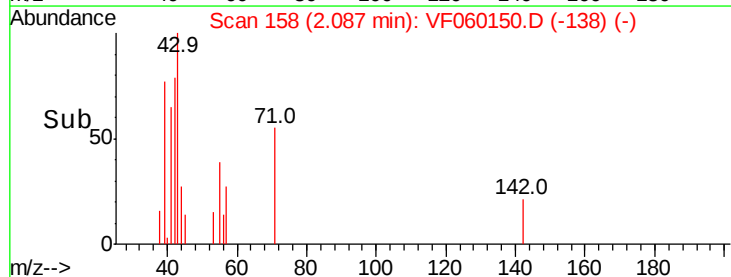
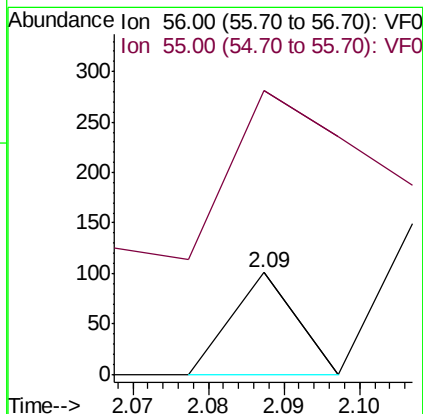
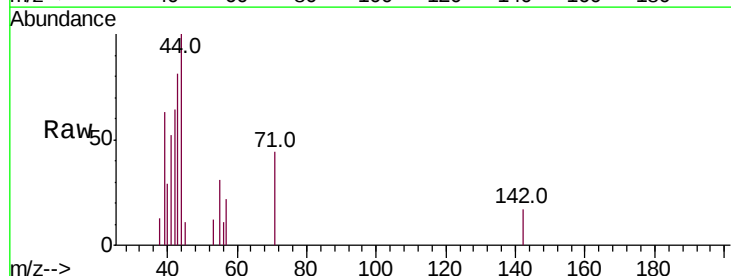
Tot Ion: 59 Resp: 144
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.2#

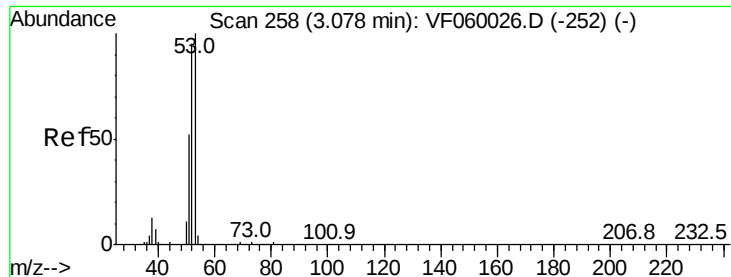


#13

Acrolein
 Concen: 27.516 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

Tgt Ion: 56 Resp: 60
 Ion Ratio Lower Upper
 56 100
 55 278.2 65.6 98.4#





#15

Acrylonitrile

Concen: 1.527 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

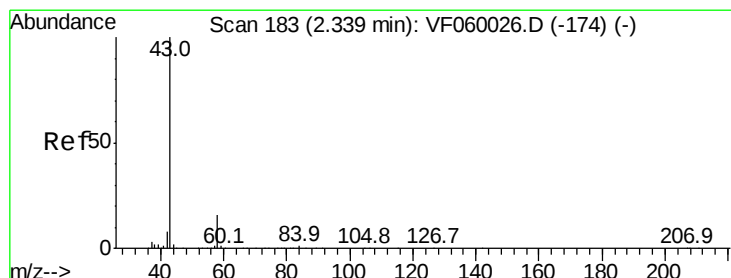
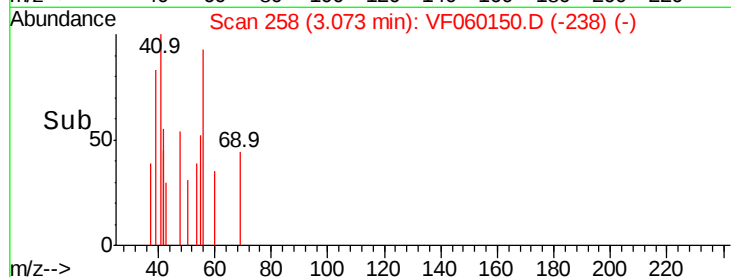
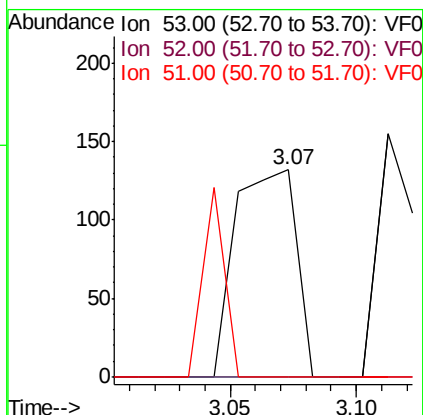
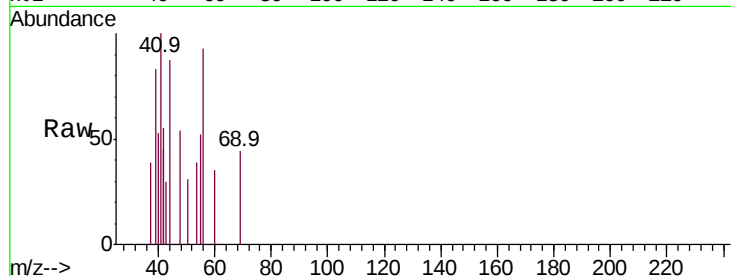
Tot Ion: 53 Resp: 222

Ion Ratio Lower Upper

53 100

52 0.0 75.8 113.8#

51 0.0 42.1 63.1#



#16

Acetone

Concen: 39.062 ug/l

RT: 2.31 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060150.D

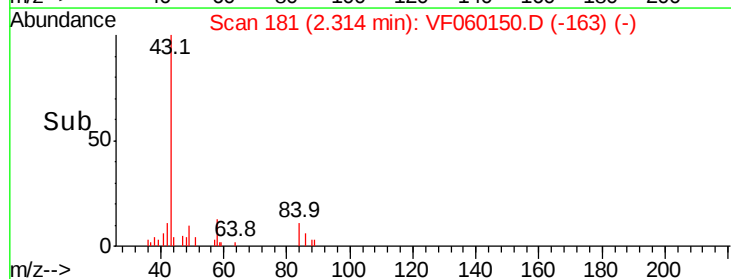
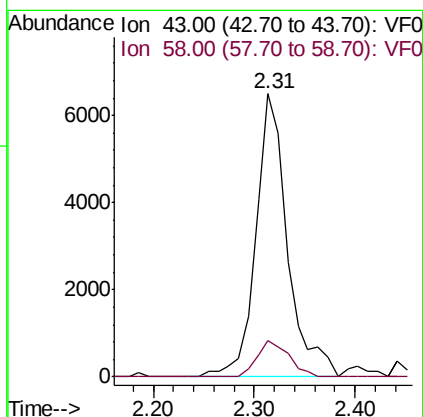
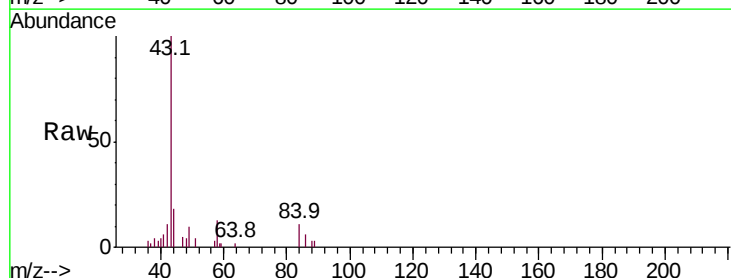
Acq: 28 Aug 2018 15:23

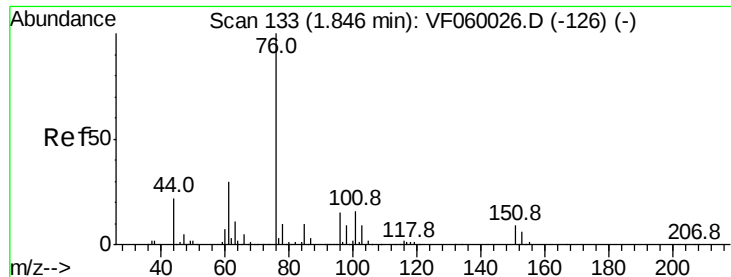
Tgt Ion: 43 Resp: 14220

Ion Ratio Lower Upper

43 100

58 12.7 12.6 19.0

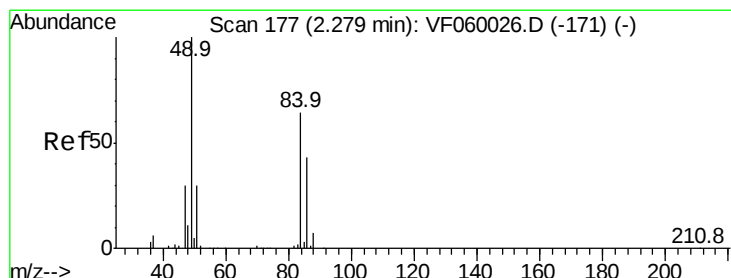
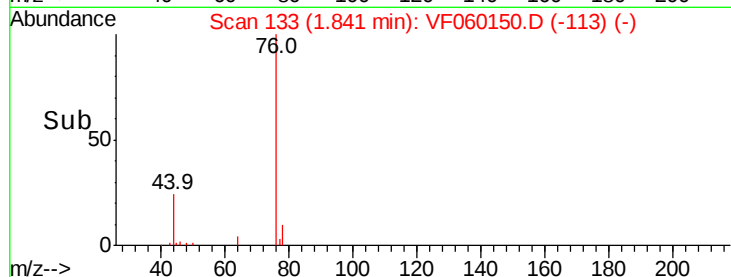
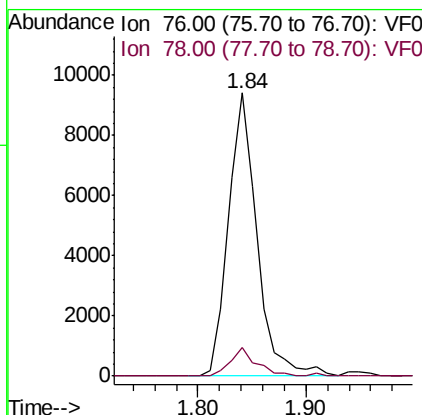
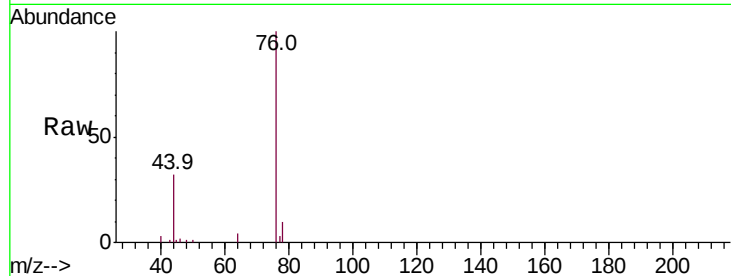




#17
Carbon Disulfide
Concen: 8.606 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

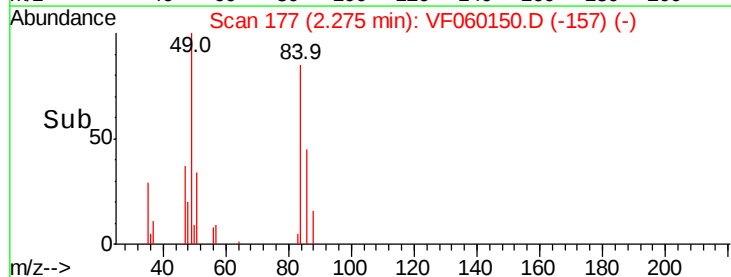
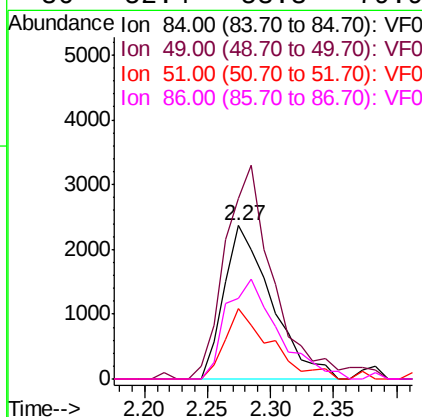
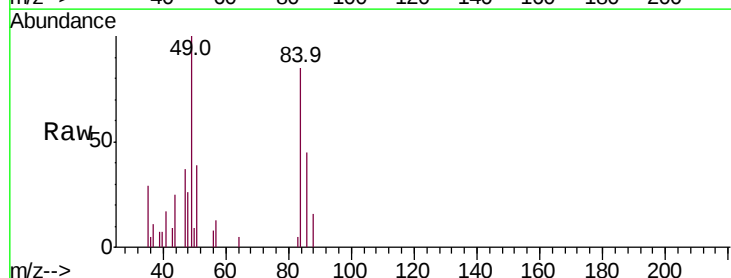
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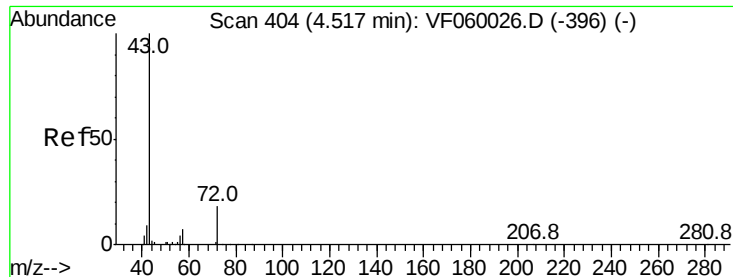
Tot Ion: 76 Resp: 17335
Ion Ratio Lower Upper
76 100
78 10.3 8.4 12.6



#20
Methylene Chloride
Concen: 3.940 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion: 84 Resp: 6210
Ion Ratio Lower Upper
84 100
49 117.4 125.4 188.0#
51 45.6 38.3 57.5
86 52.4 53.3 79.9#





#25

2-Butanone

Concen: 1.863 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.04 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

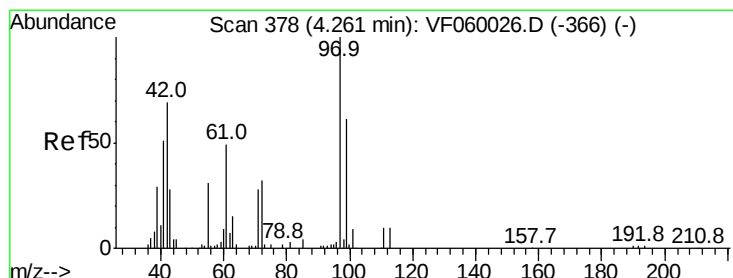
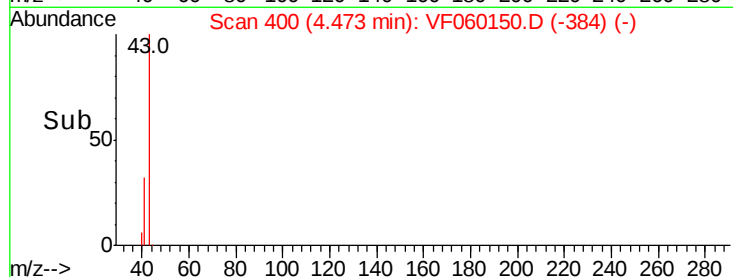
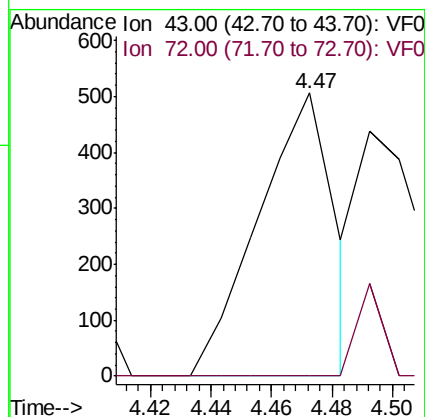
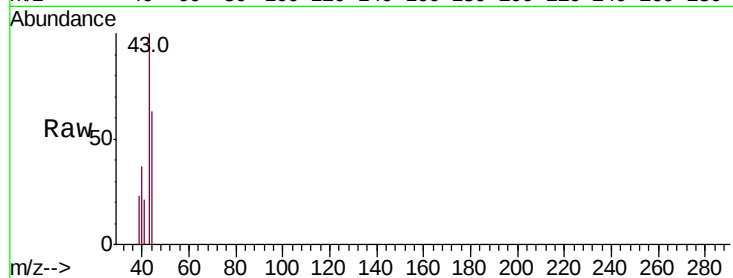
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

72 0.0 15.0 22.6#



#29

Tetrahydrofuran

Concen: 1.966 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

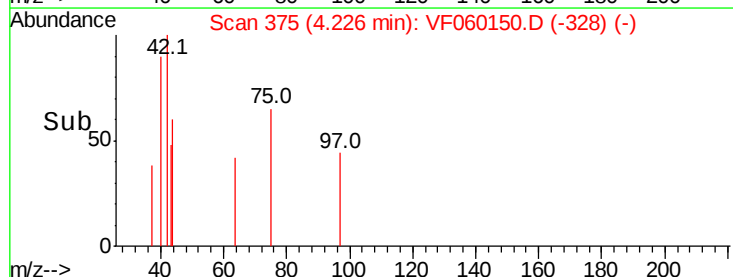
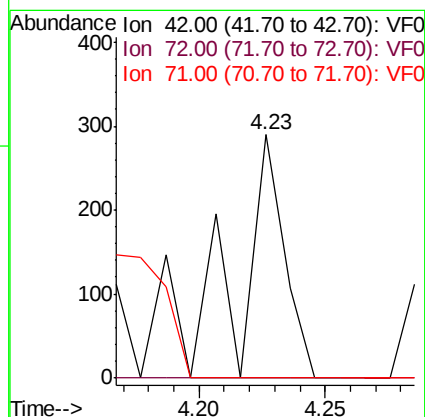
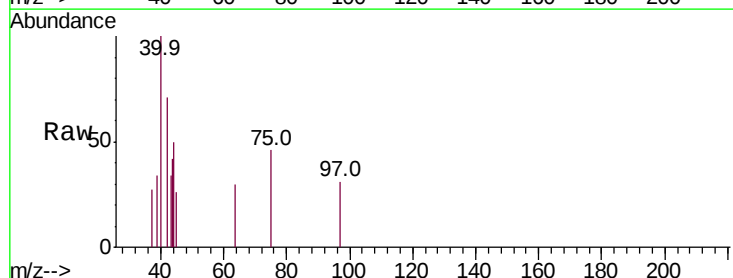
Tgt Ion: 42 Resp: 351

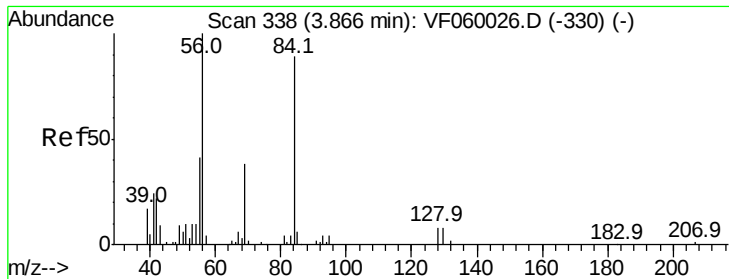
Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

71 0.0 29.7 44.5#

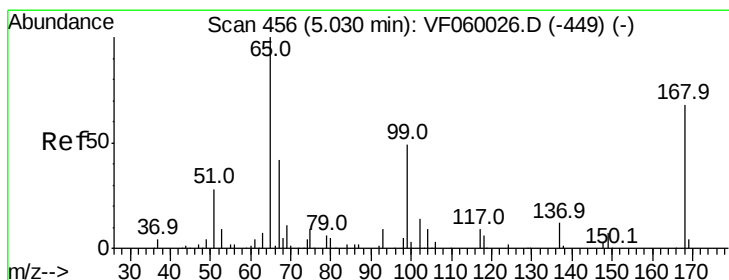
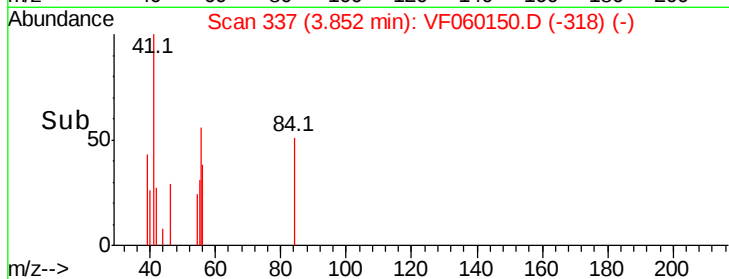
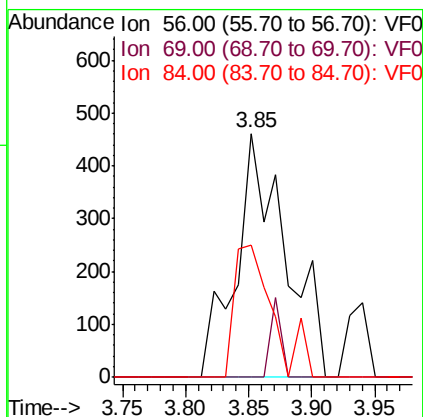
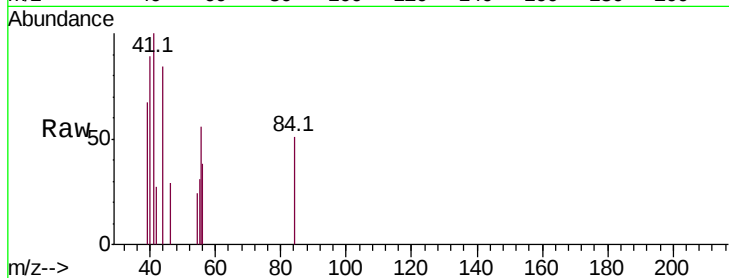




#31
Cyclohexane
Concen: 1.054 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

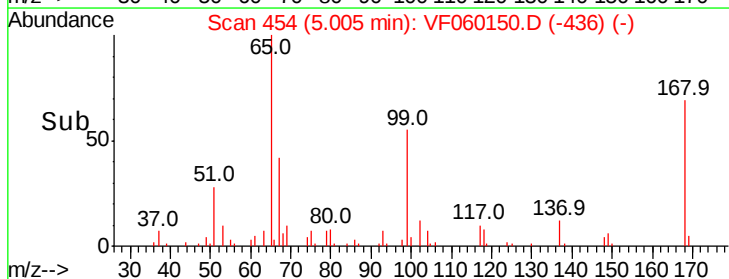
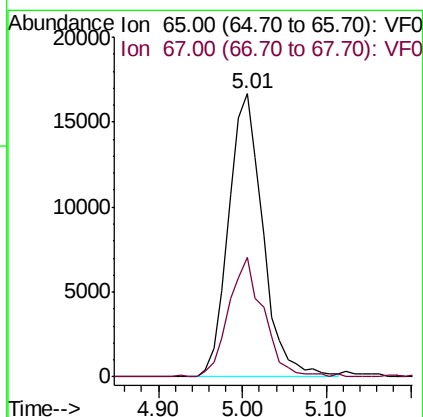
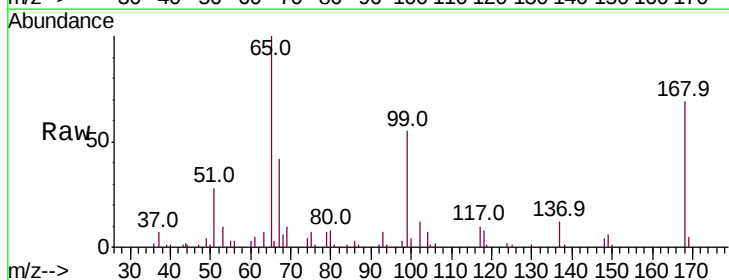
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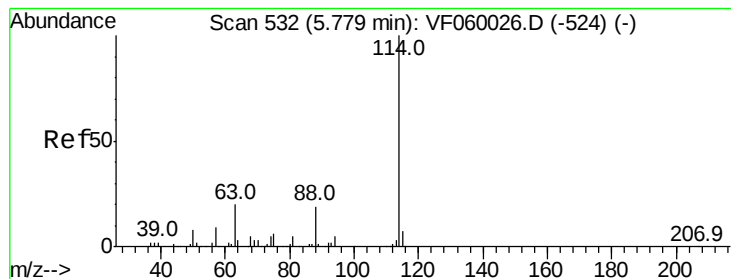
Tot Ion: 56 Resp: 1269
Ion Ratio Lower Upper
56 100
69 0.0 30.4 45.6#
84 54.2 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 34.148 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion: 65 Resp: 47299
Ion Ratio Lower Upper
65 100
67 42.1 0.0 92.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

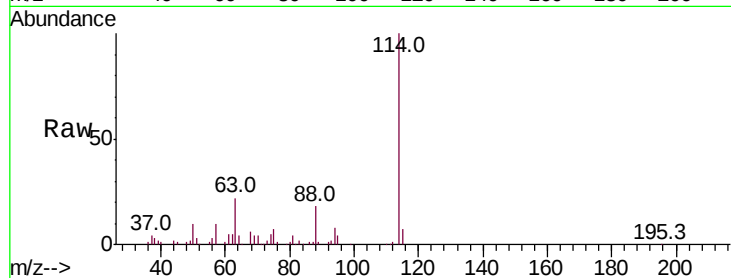
Tot Ion:114 Resp: 149298

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.4

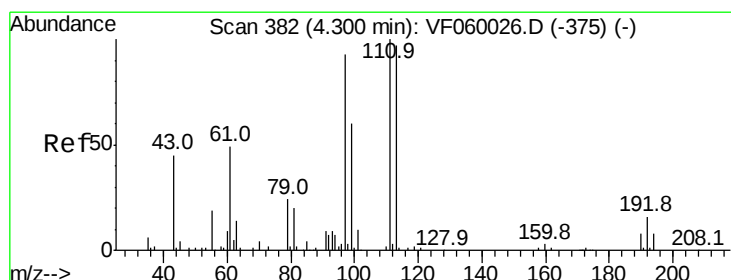
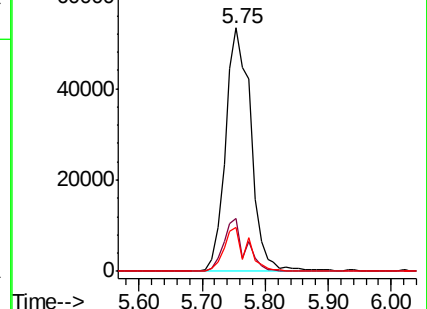
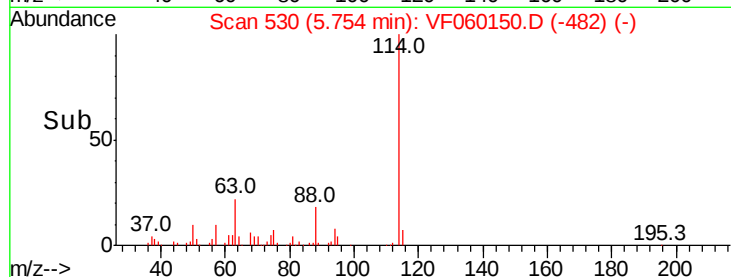
88 18.2 0.0 38.6



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: 0.076 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

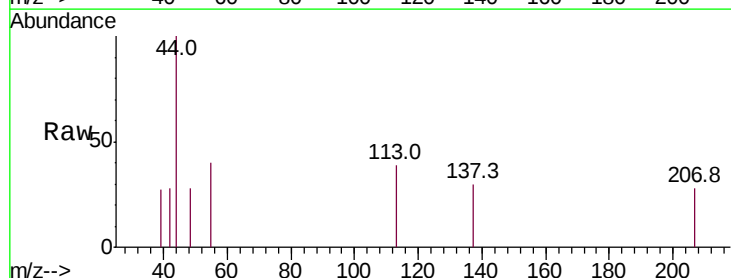
Tgt Ion:113 Resp: 89

Ion Ratio Lower Upper

113 100

111 0.0 82.7 124.1#

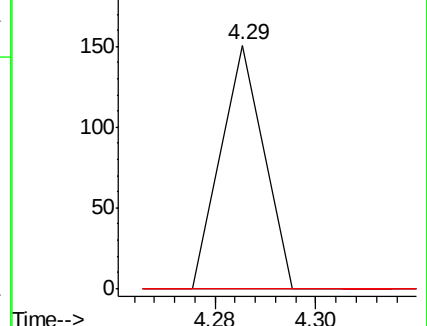
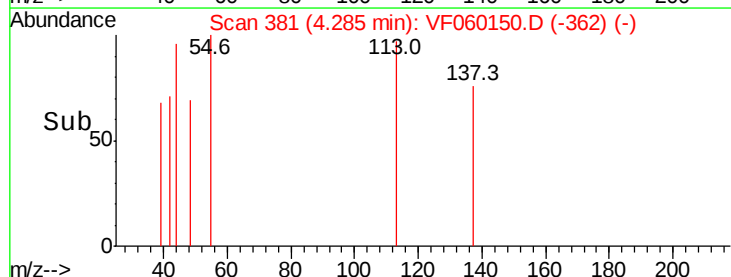
192 0.0 13.0 19.4#

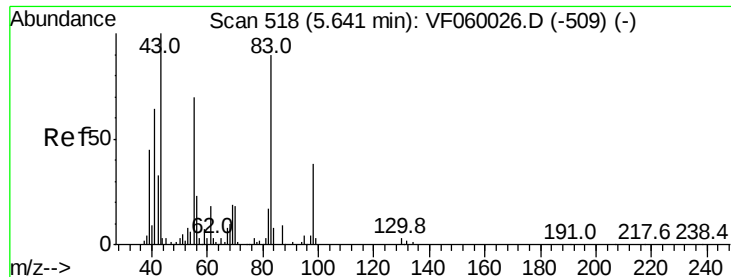


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#39

Methylcyclohexane

Concen: 1.957 ug/l

RT: 5.62 min Scan# 516

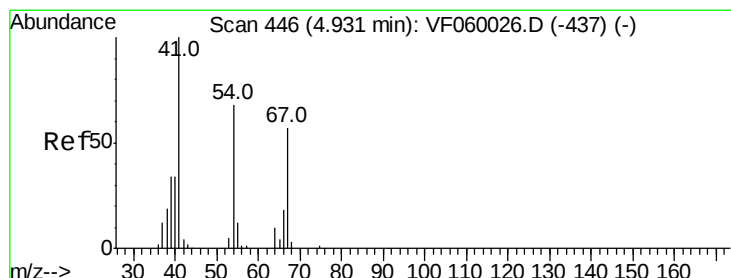
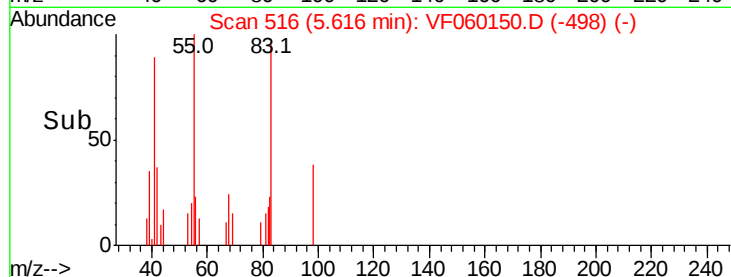
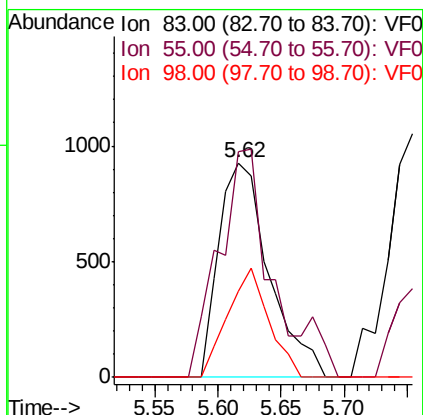
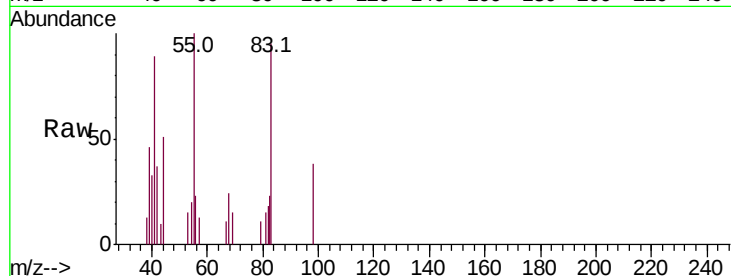
Delta R.T. -0.02 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion:	83	Resp:	2574
Ion	Ratio	Lower	Upper
83	100		
55	105.5	62.7	94.1#
98	40.1	33.8	50.8



#41

Methacrylonitrile

Concen: 2.399 ug/l

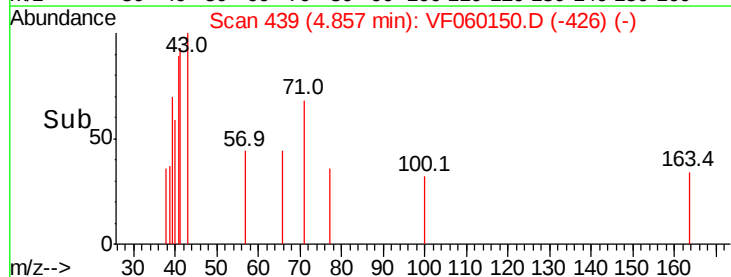
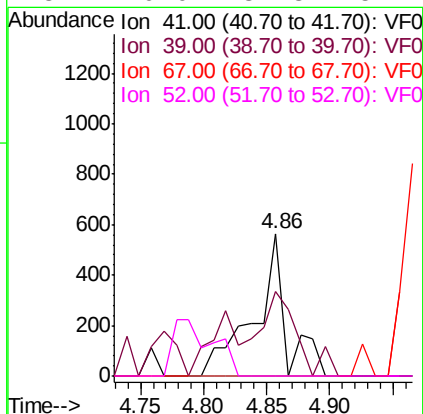
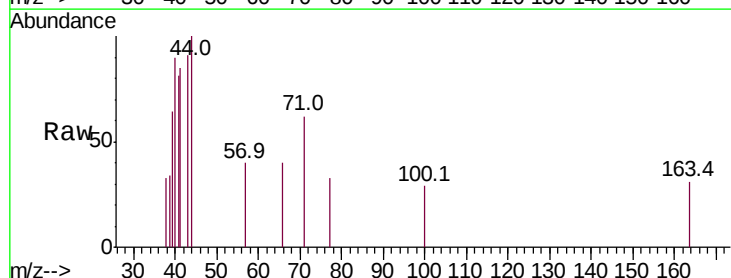
RT: 4.86 min Scan# 439

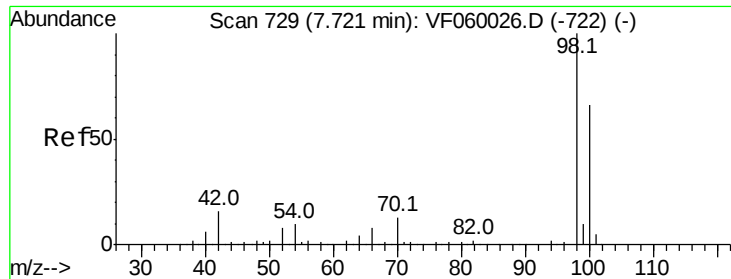
Delta R.T. -0.07 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Tgt Ion:	41	Resp:	1018
Ion	Ratio	Lower	Upper
41	100		
39	58.9	52.9	79.3
67	0.0	45.3	67.9#
52	0.0	34.8	52.2#

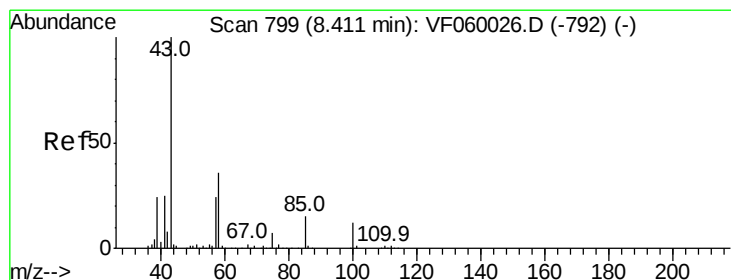
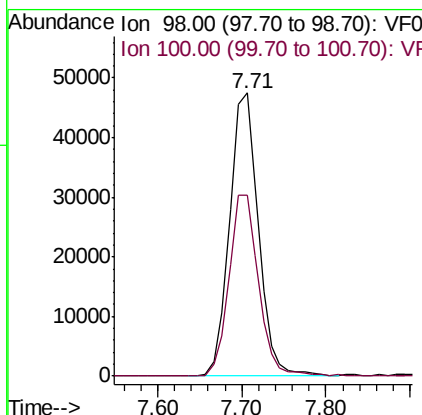
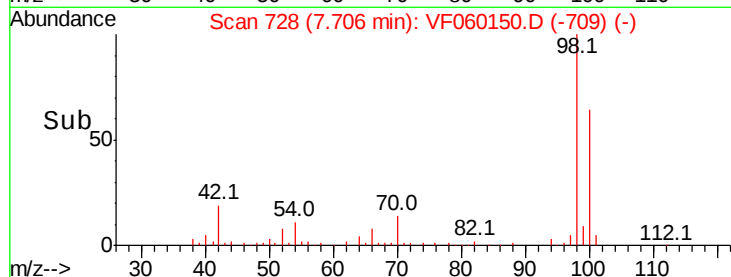
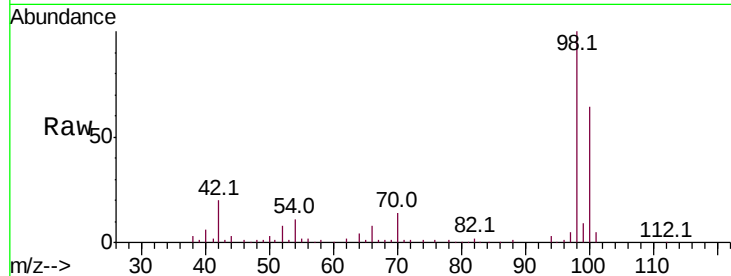




#50
Toluene-d8
Concen: 34.004 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

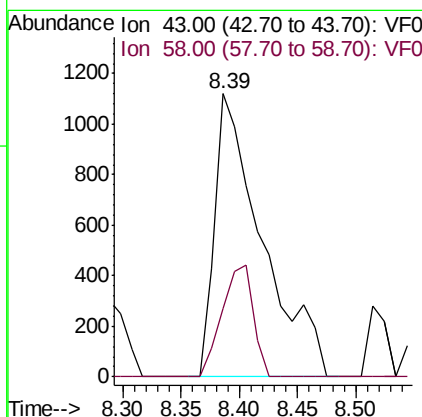
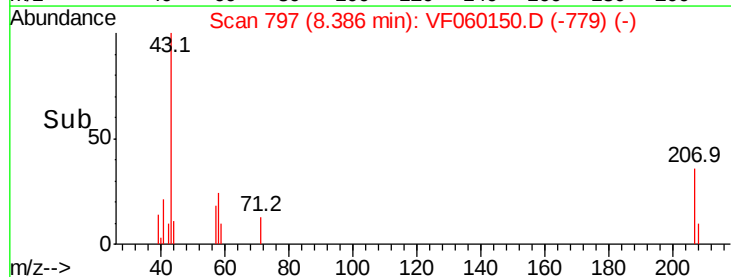
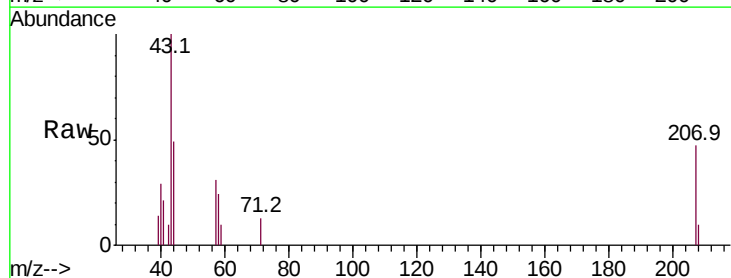
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

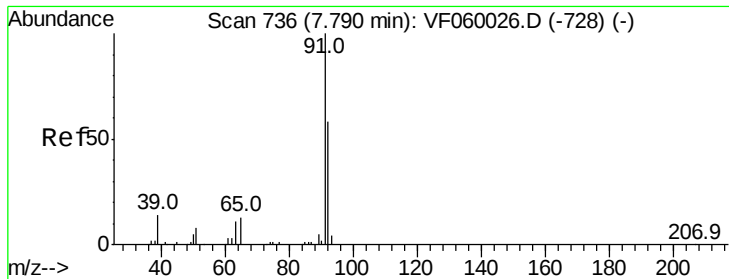
Tot Ion: 98 Resp: 113215
Ion Ratio Lower Upper
98 100
100 63.9 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 3.453 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.02 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
58 24.1 28.6 42.8#





#52

Toluene

Concen: 39.193 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

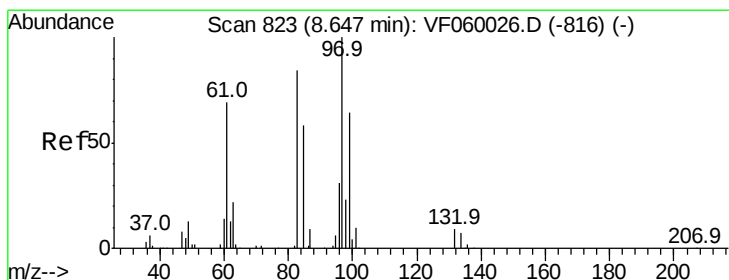
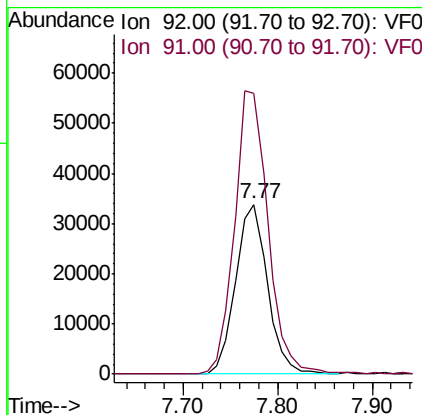
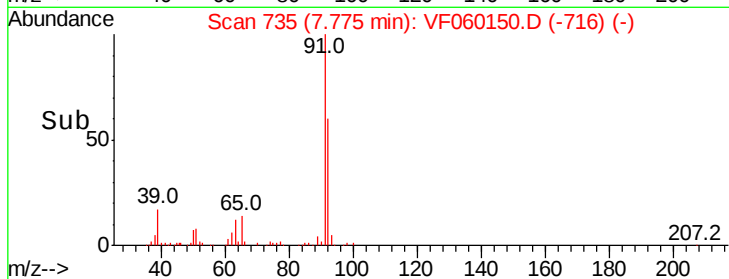
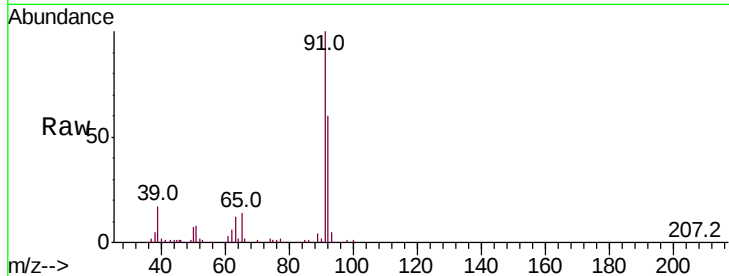
SU-02-082318-BRE

Tot Ion: 92 Resp: 79362

Ion Ratio Lower Upper

92 100

91 165.7 137.7 206.5



#55

1,1,2-Trichloroethane

Concen: 1.571 ug/l

RT: 8.53 min Scan# 812

Delta R.T. -0.11 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Tgt Ion: 97 Resp: 1299

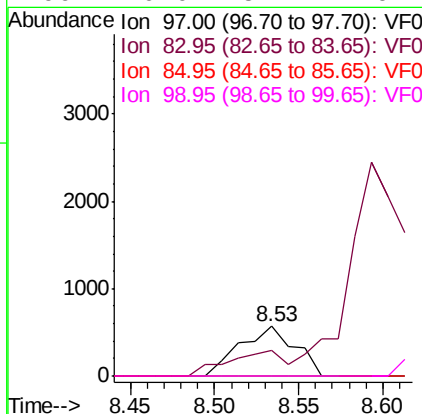
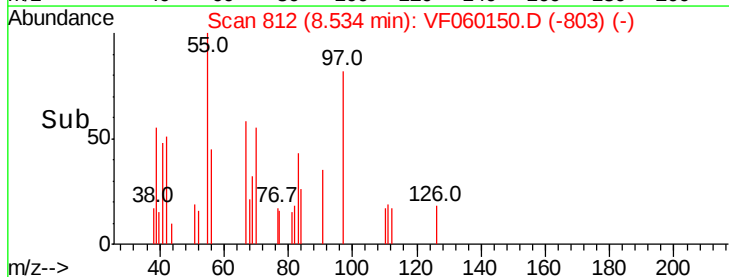
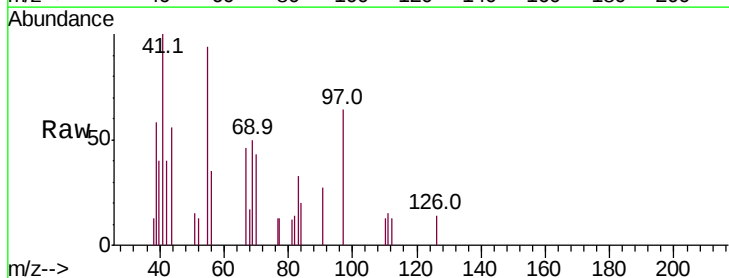
Ion Ratio Lower Upper

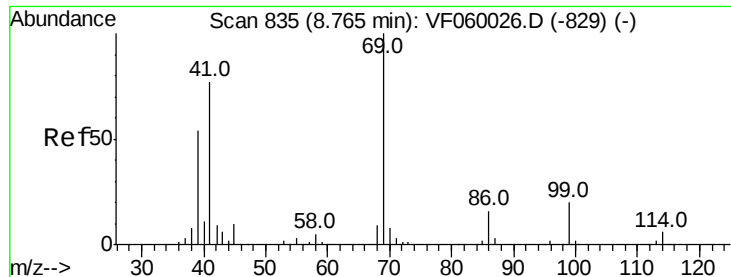
97 100

83 52.1 67.4 101.2#

85 0.0 46.2 69.2#

99 0.0 51.1 76.7#





#56

Ethyl methacrylate

Concen: 1.160 ug/l

RT: 8.82 min Scan# 841

Delta R.T. 0.05 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

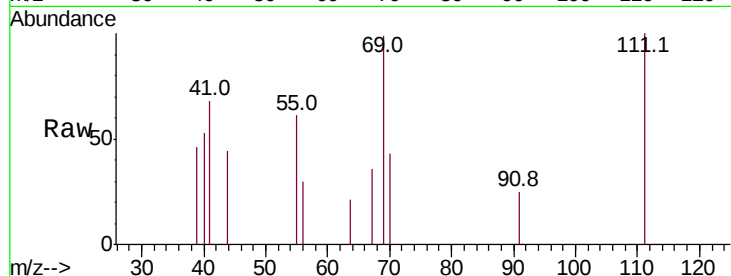
Tot Ion: 69 Resp: 1161

Ion Ratio Lower Upper

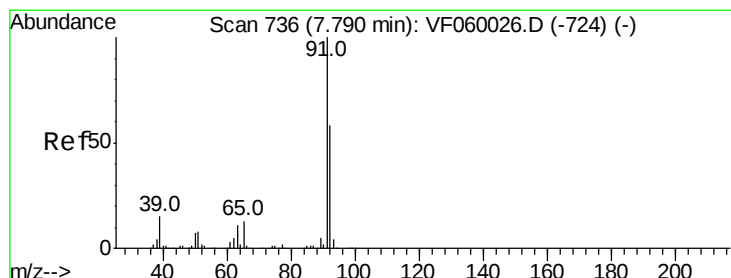
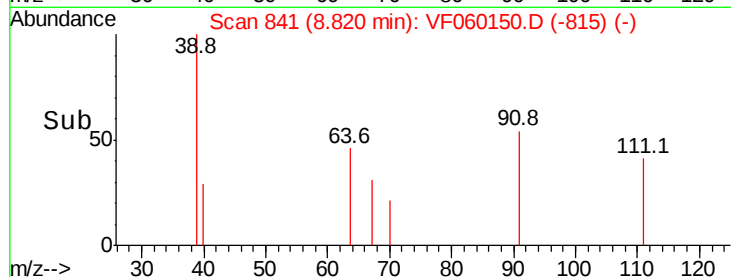
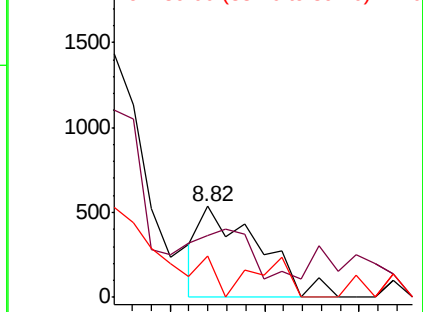
69 100

41 68.7 61.6 92.4

39 45.9 43.9 65.9



Abundance Ion 69.00 (68.70 to 69.70): VF0
Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 198.591 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060150.D

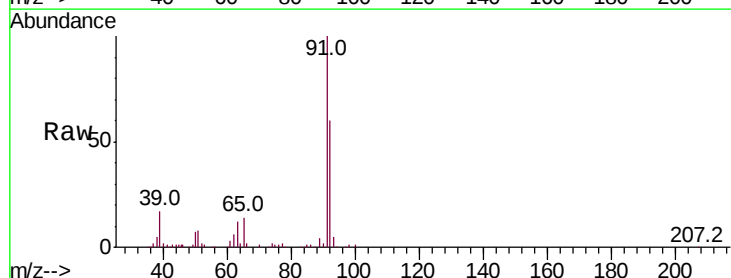
Acq: 28 Aug 2018 15:23

Tgt Ion: 63 Resp: 15779

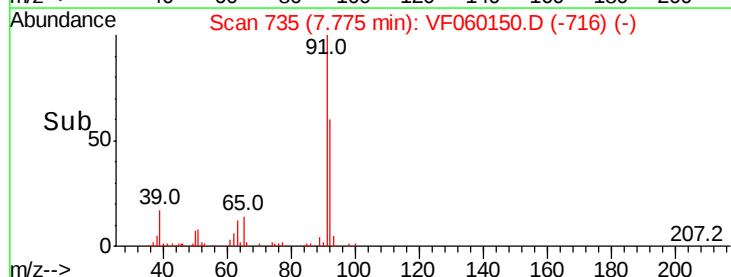
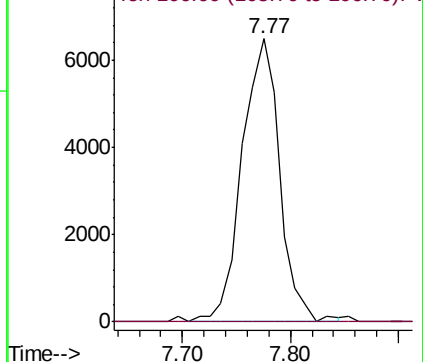
Ion Ratio Lower Upper

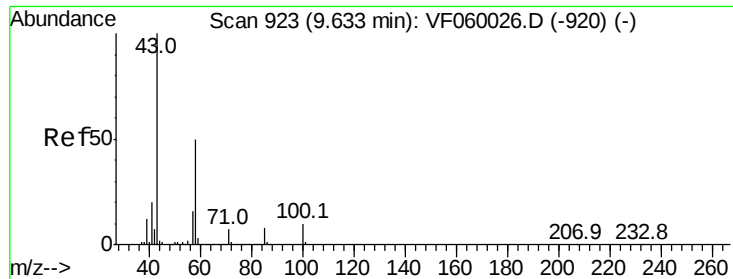
63 100

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

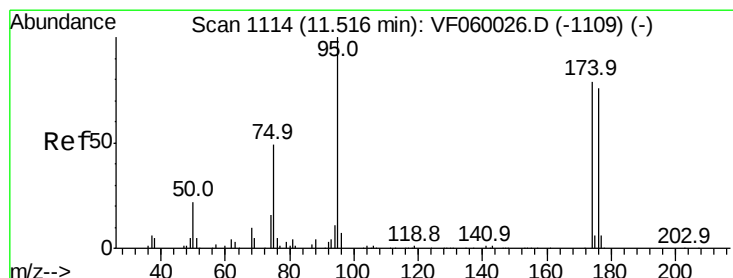
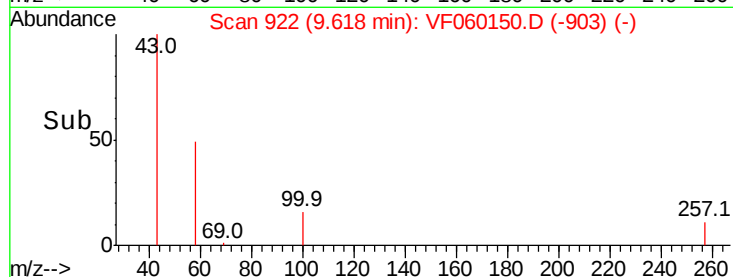
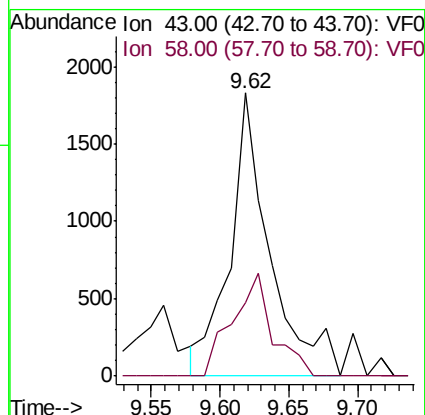
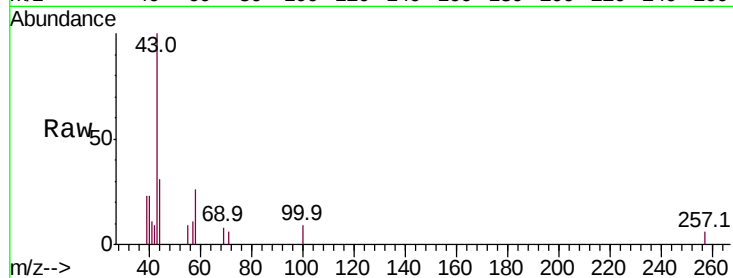




#59
2-Hexanone
Concen: 4.996 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

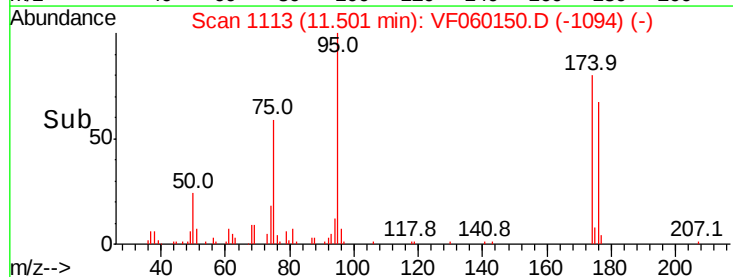
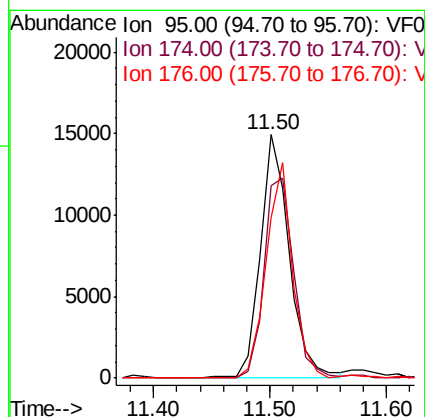
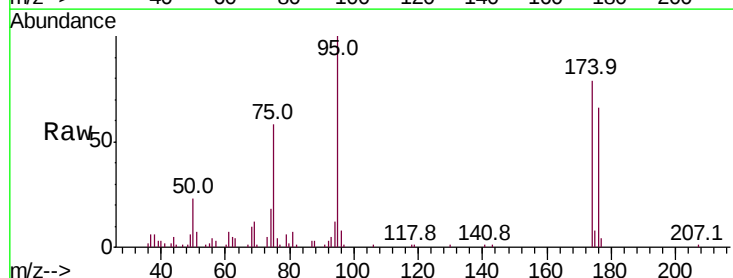
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

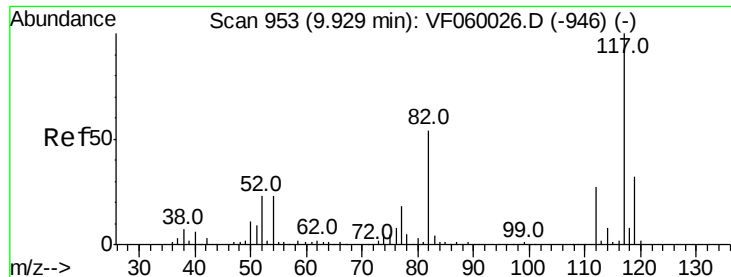
Tot Ion: 43 Resp: 3688
Ion Ratio Lower Upper
43 100
58 26.1 23.4 70.2



#62
4-Bromofluorobenzene
Concen: 14.571 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion: 95 Resp: 25665
Ion Ratio Lower Upper
95 100
174 79.1 0.0 158.4
176 66.1 0.0 153.0

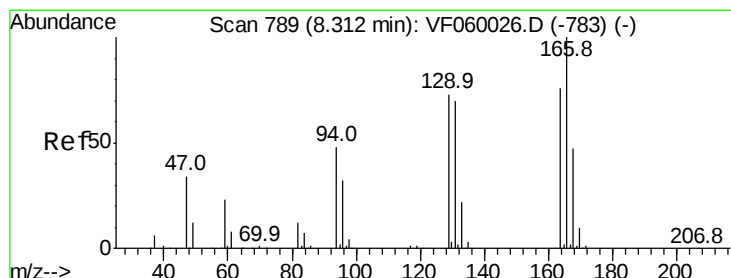
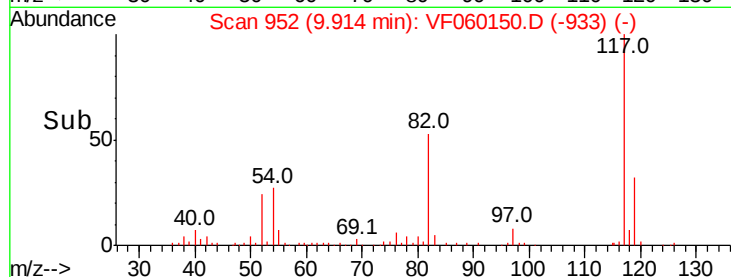
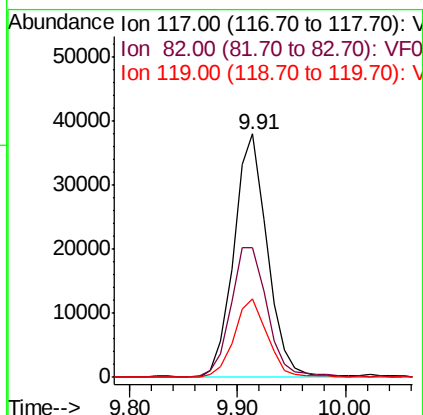
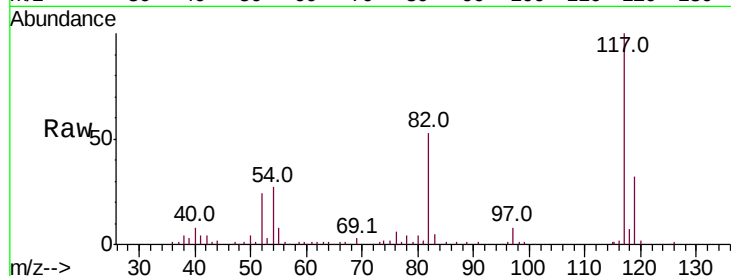




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

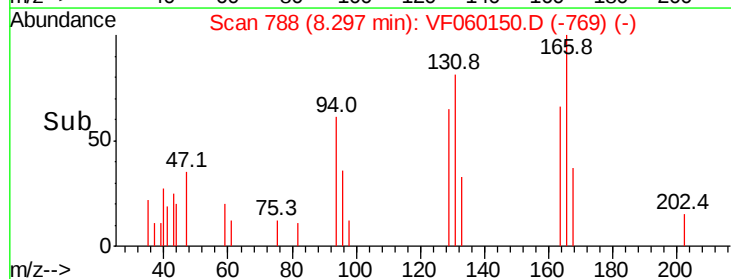
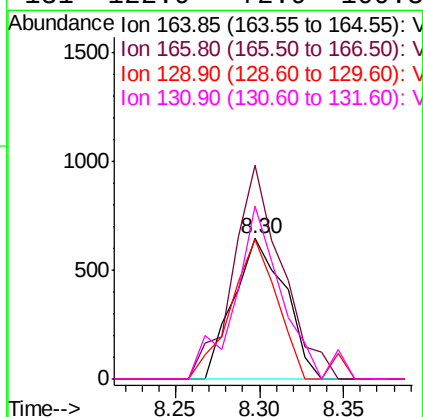
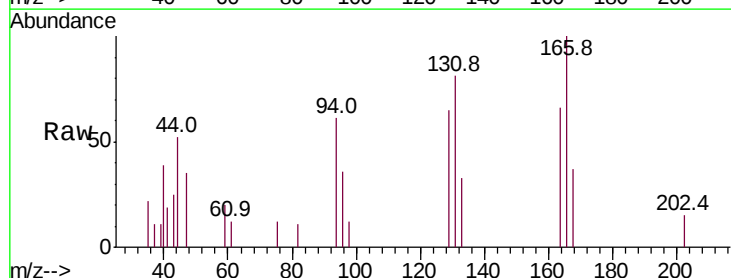
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

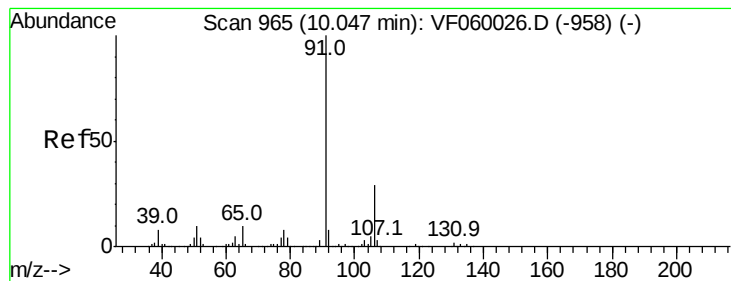
Tot Ion:117 Resp: 81512
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 2.510 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion:164 Resp: 1378
Ion Ratio Lower Upper
164 100
166 152.1 104.7 157.1
129 99.4 77.0 115.4
131 122.9 72.9 109.3#





#67

Ethyl Benzene

Concen: 5.396 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

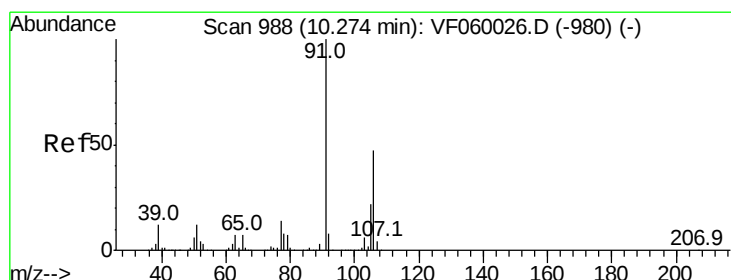
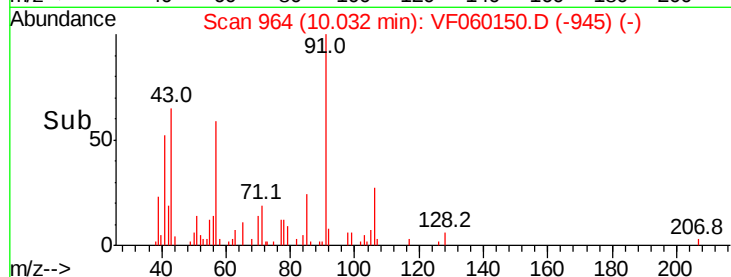
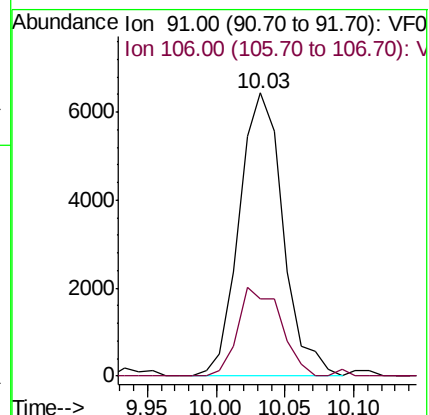
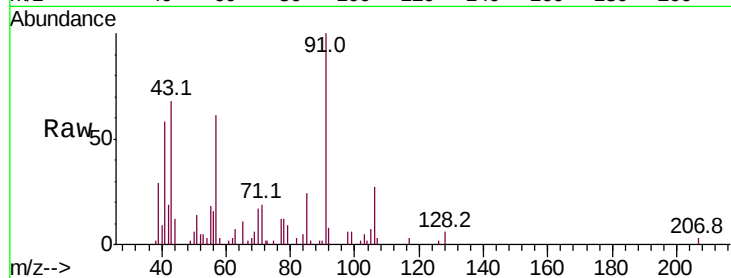
SU-02-082318-BRE

Tot Ion: 91 Resp: 14330

Ion Ratio Lower Upper

91 100

106 27.1 23.6 35.4



#68

m/p-Xylenes

Concen: 29.578 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060150.D

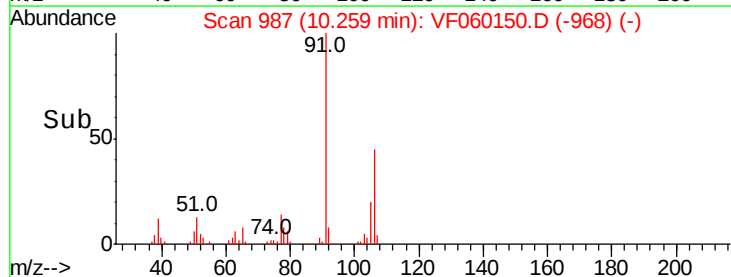
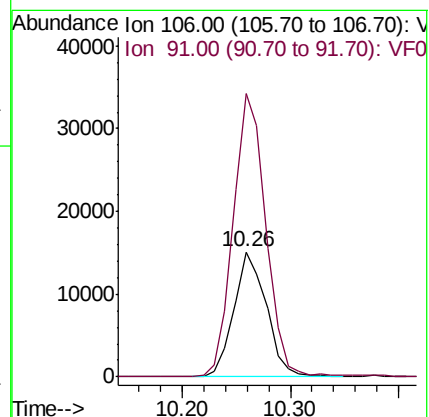
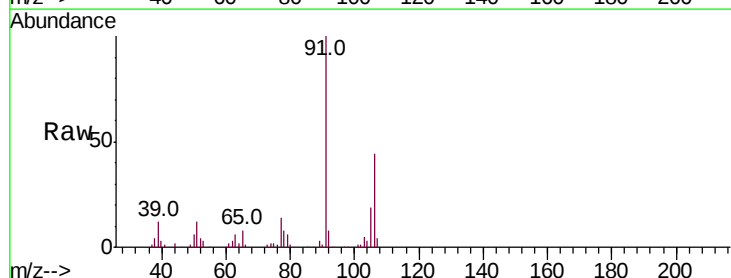
Acq: 28 Aug 2018 15:23

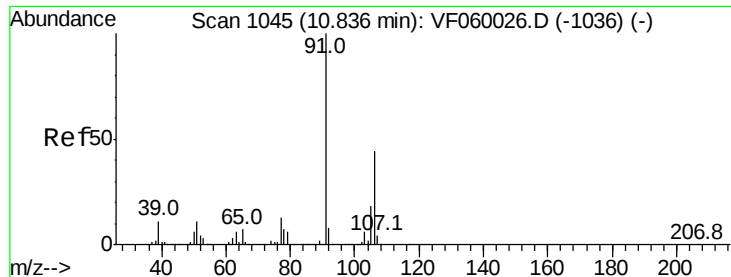
Tgt Ion:106 Resp: 31547

Ion Ratio Lower Upper

106 100

91 226.1 171.8 257.8

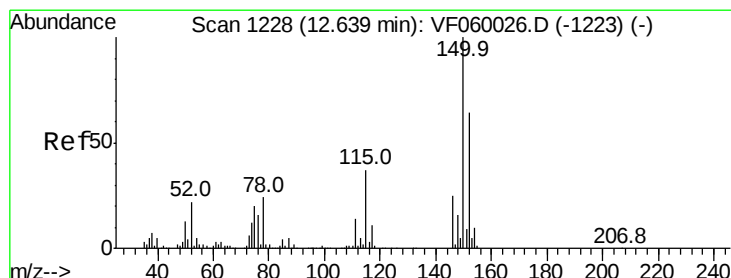
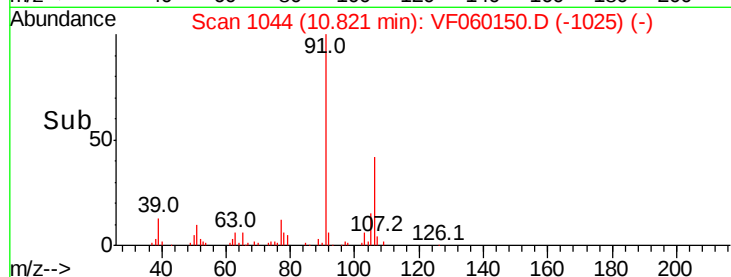
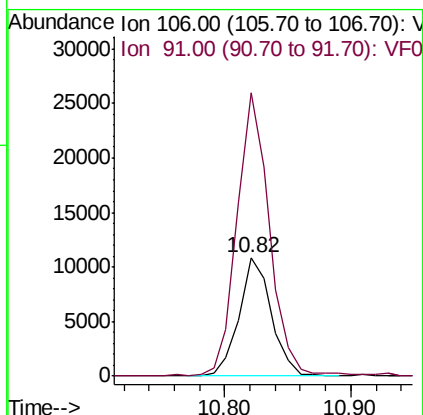
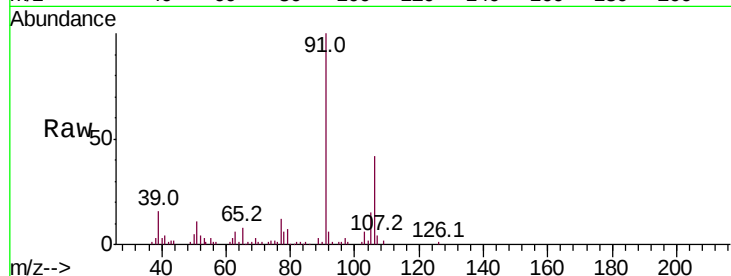




#69
o-Xylene
Concen: 18.557 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

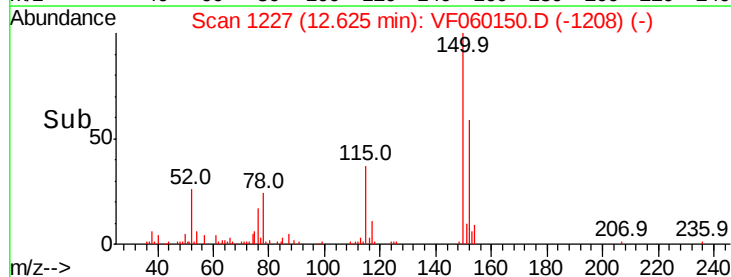
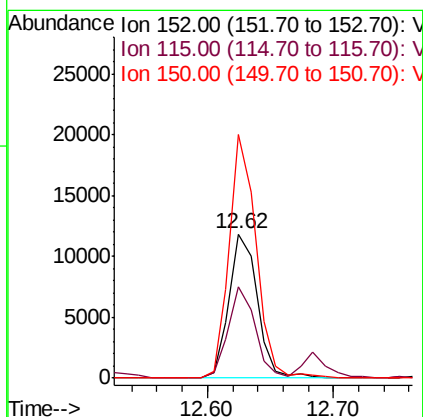
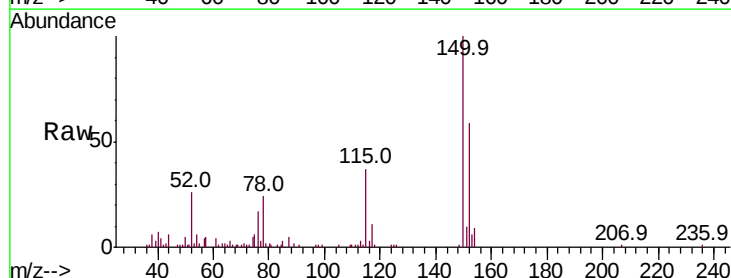
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

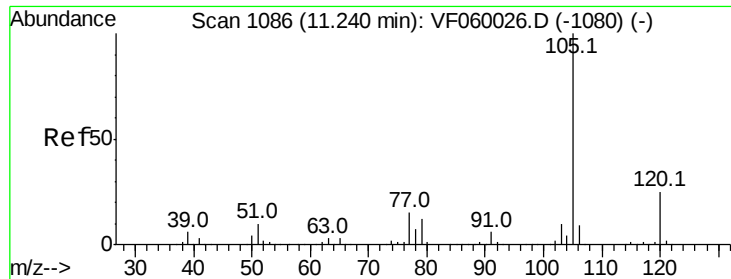
Tot Ion:106 Resp: 19309
Ion Ratio Lower Upper
106 100
91 238.6 112.5 337.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion:152 Resp: 18408
Ion Ratio Lower Upper
152 100
115 63.1 28.6 85.9
150 169.1 0.0 312.0





#73

Isopropylbenzene

Concen: 6.390 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

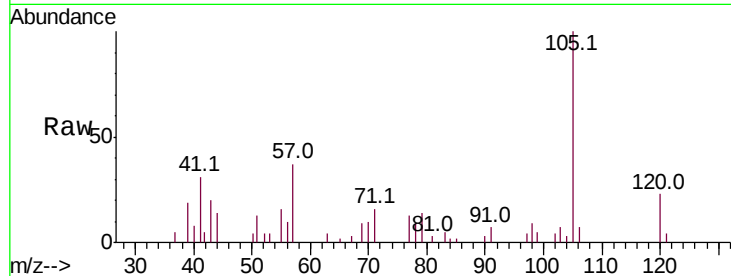
SU-02-082318-BRE

Tot Ion:105 Resp: 7081

Ion Ratio Lower Upper

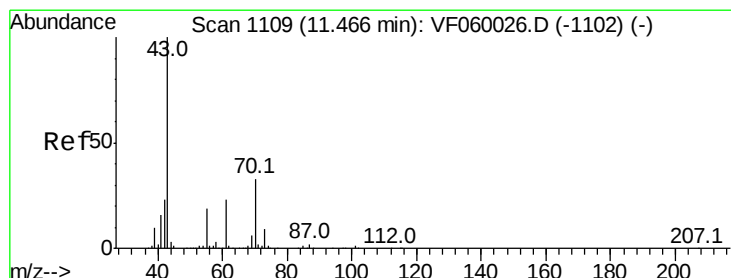
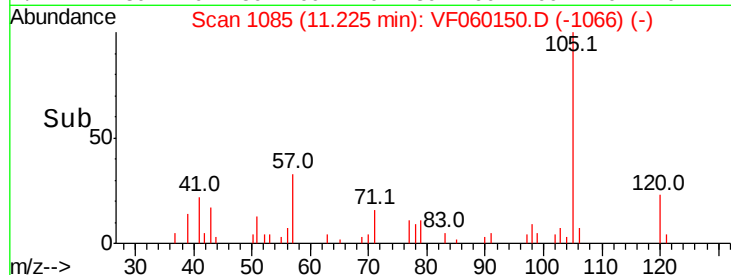
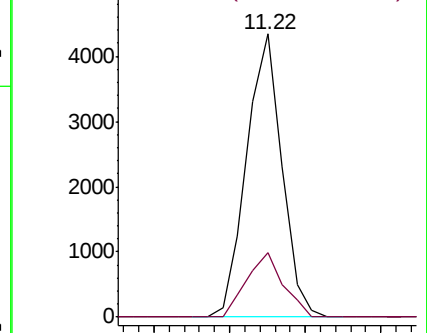
105 100

120 22.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.889 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Tgt Ion: 43 Resp: 995

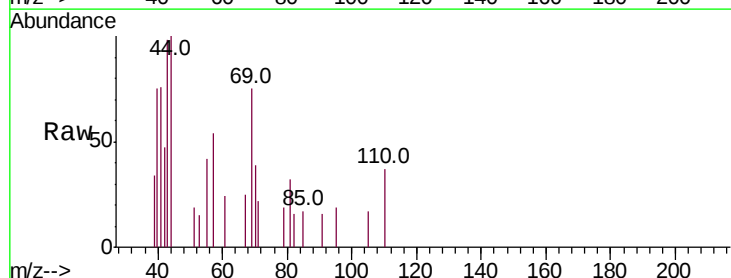
Ion Ratio Lower Upper

43 100

70 39.9 26.4 39.6#

55 43.1 15.0 22.4#

61 24.5 18.4 27.6

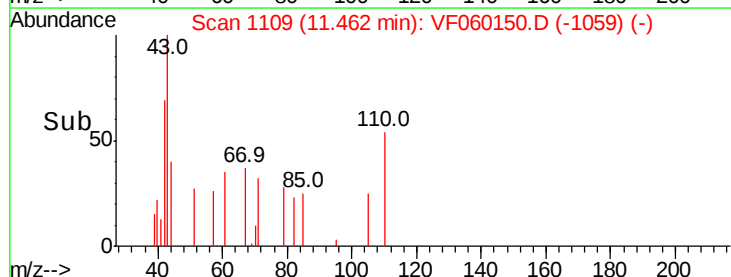
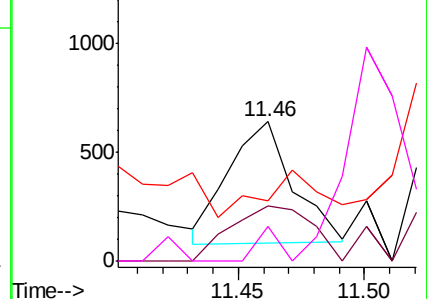


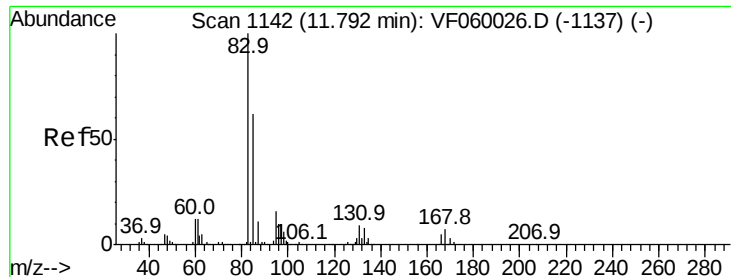
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 5.810 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.04 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

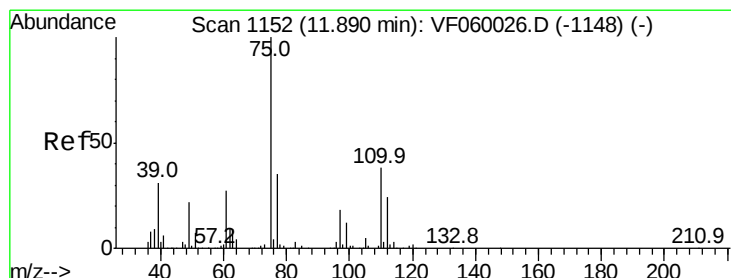
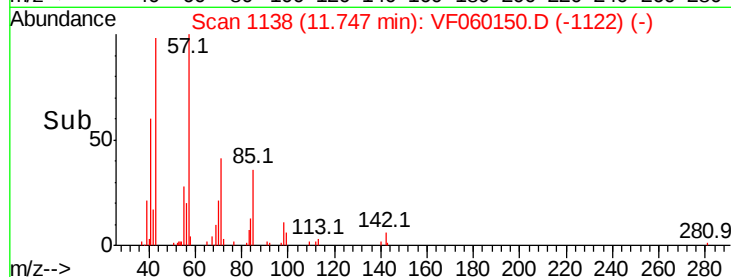
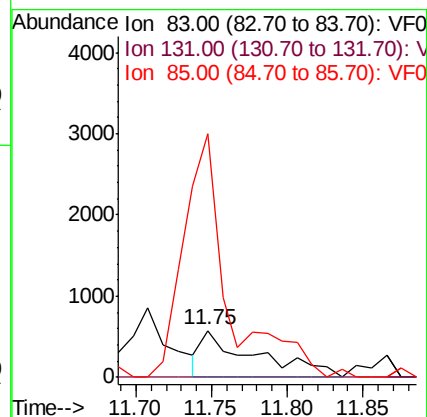
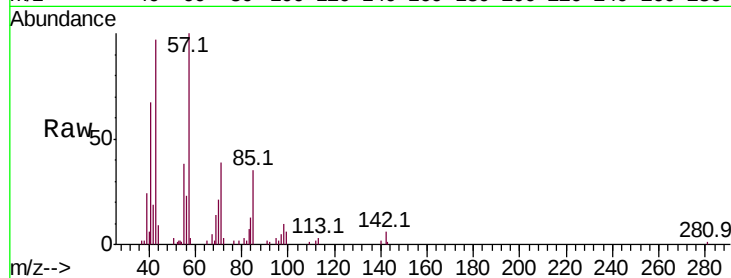
Tot Ion: 83 Resp: 1406

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 518.9 31.3 93.9#



#76

1,2,3-Trichloropropane

Concen: 7.354 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF060150.D

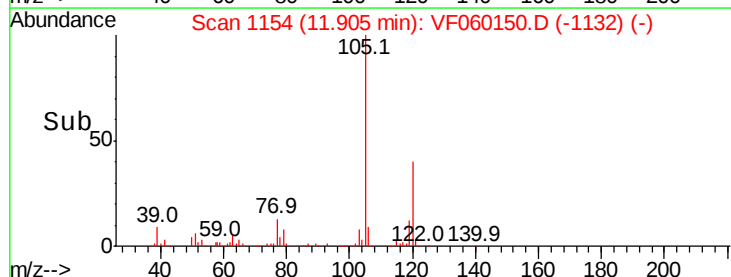
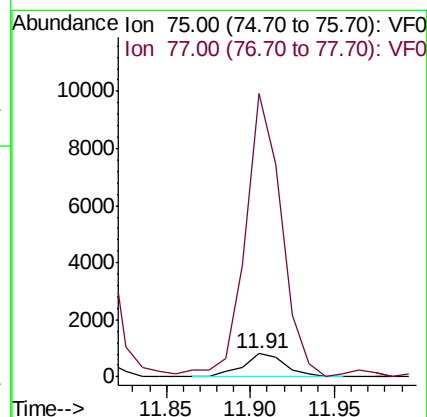
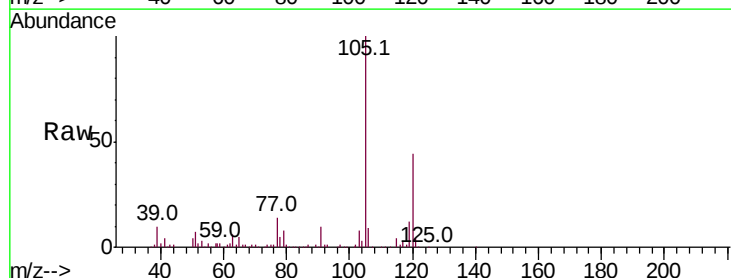
Acq: 28 Aug 2018 15:23

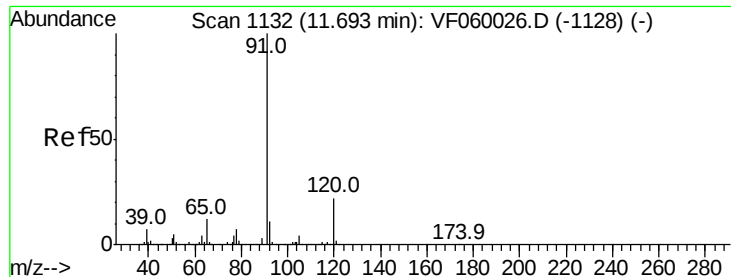
Tgt Ion: 75 Resp: 1380

Ion Ratio Lower Upper

75 100

77 1224.2 17.3 52.0#





#78

n-propylbenzene

Concen: 15.061 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

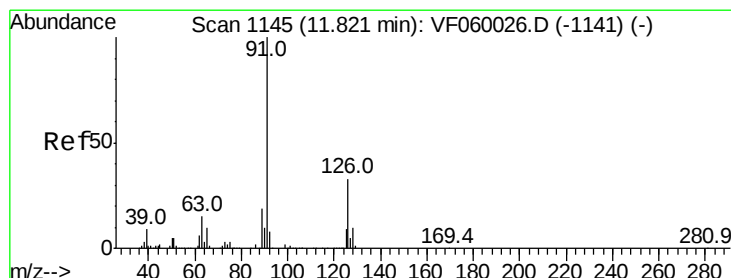
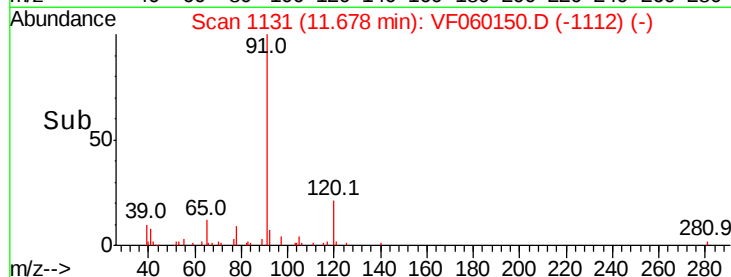
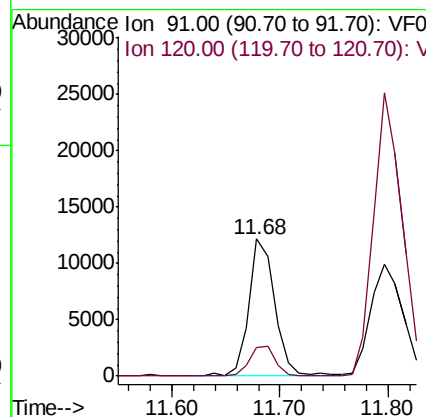
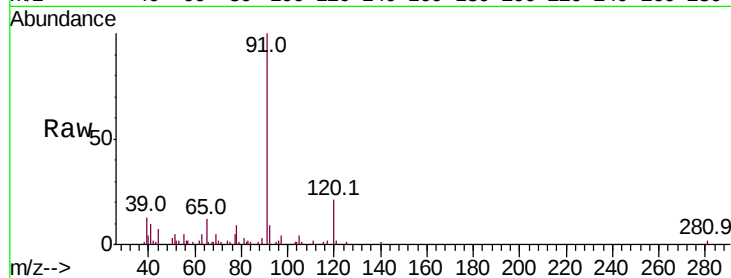
SU-02-082318-BRE

Tot Ion: 91 Resp: 20598

Ion Ratio Lower Upper

91 100

120 21.0 10.9 32.7



#79

2-Chlorotoluene

Concen: 25.160 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VF060150.D

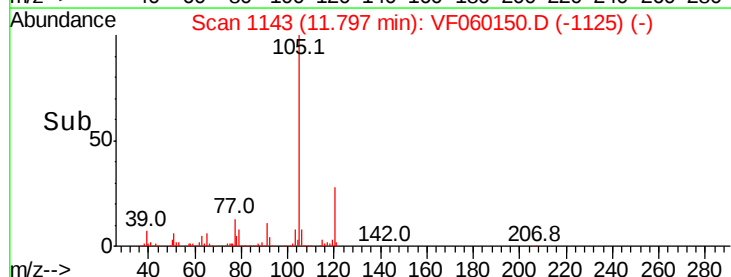
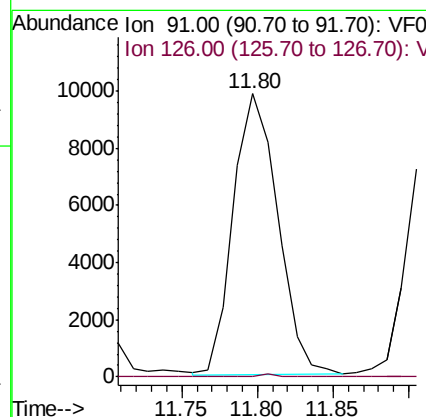
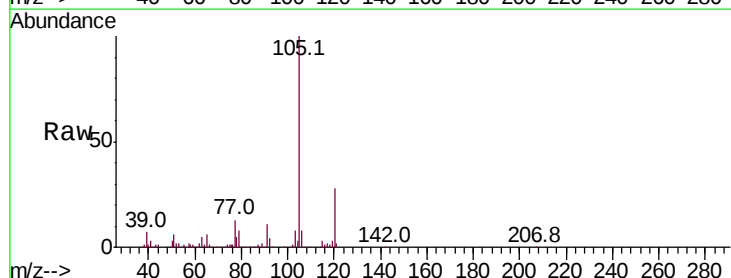
Acq: 28 Aug 2018 15:23

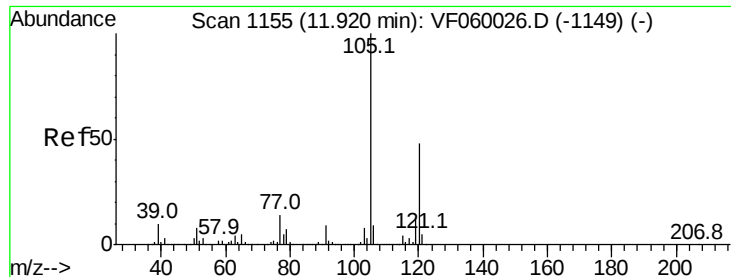
Tgt Ion: 91 Resp: 20233

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#

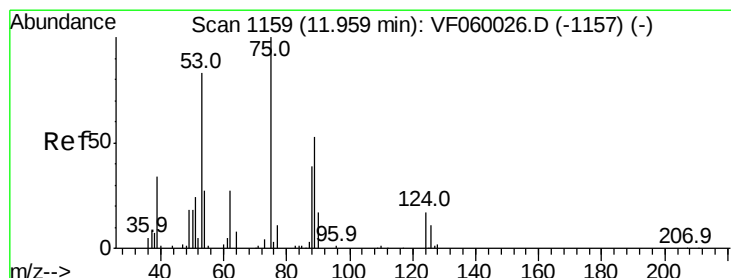
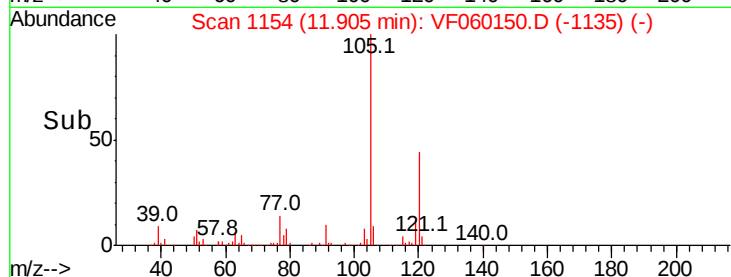
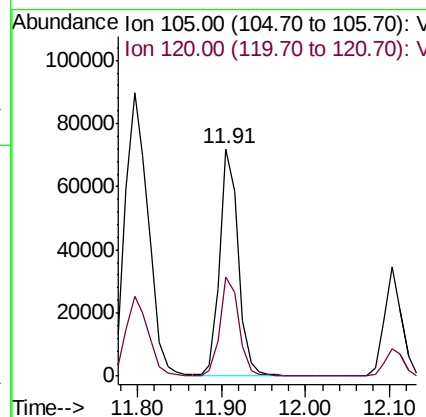
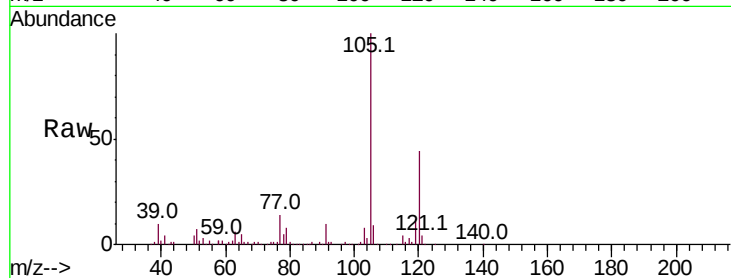




#80
 1,3,5-Trimethylbenzene
 Concen: 115.254 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

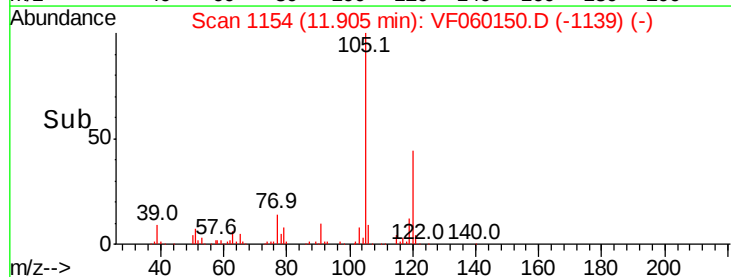
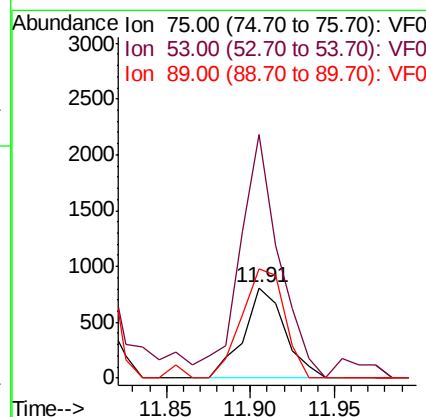
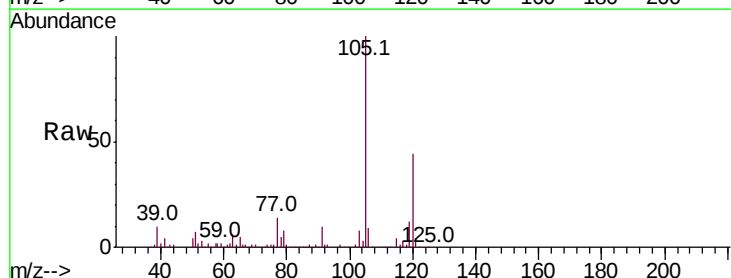
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

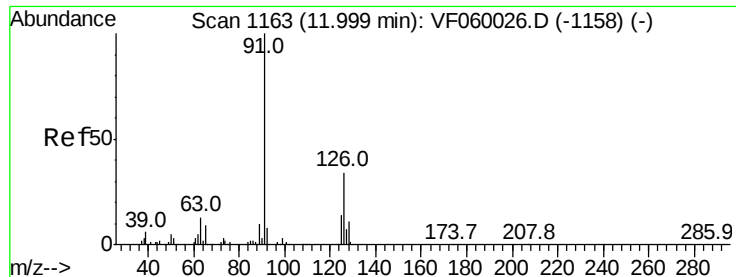
Tot Ion:105 Resp: 111261
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 16.072 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.05 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

Tgt Ion: 75 Resp: 1380
 Ion Ratio Lower Upper
 75 100
 53 269.3 66.2 99.4#
 89 120.2 42.8 64.2#

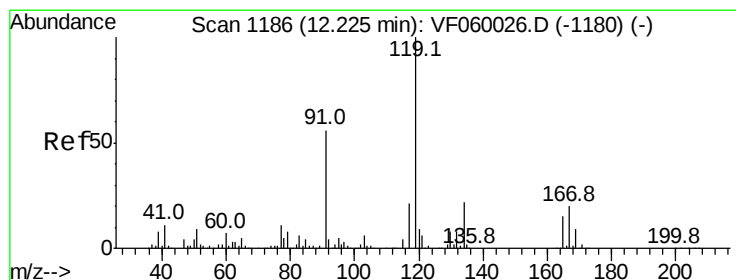
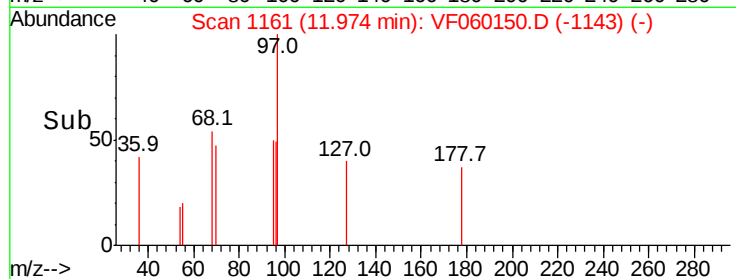
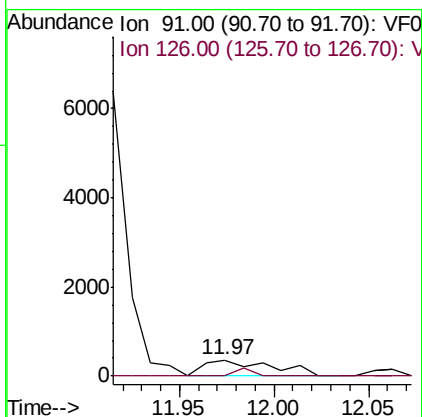
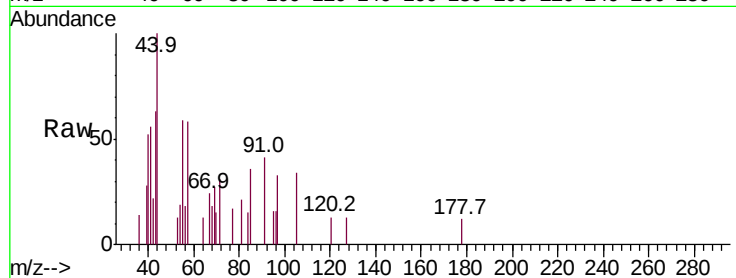




#82
4-Chlorotoluene
Concen: 1.039 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.02 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

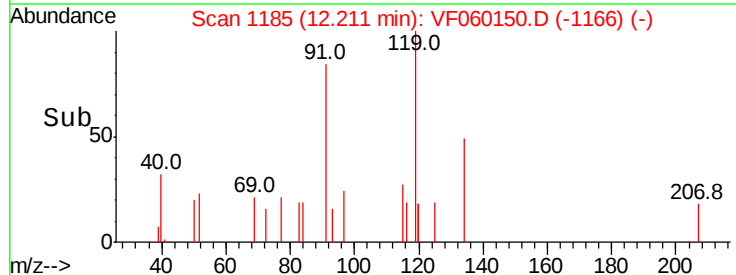
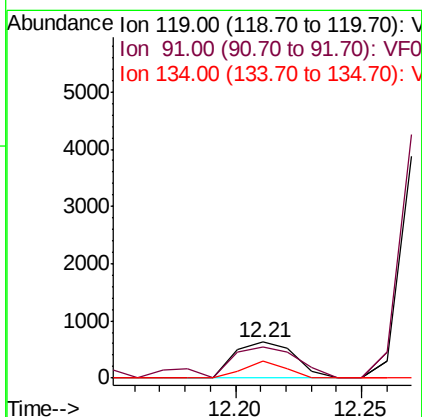
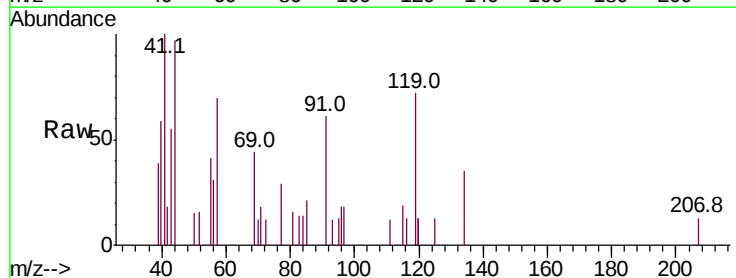
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

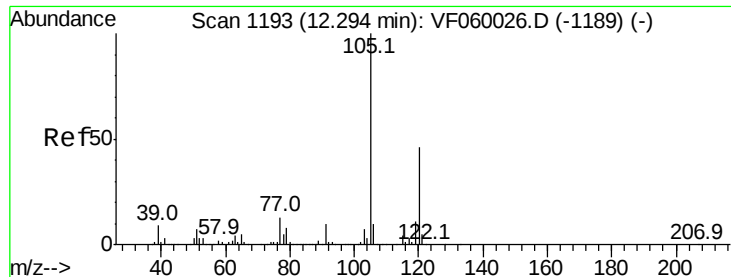
Tot Ion: 91 Resp: 907
Ion Ratio Lower Upper
91 100
126 0.0 17.0 50.9#



#83
tert-Butylbenzene
Concen: 1.112 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion: 119 Resp: 1047
Ion Ratio Lower Upper
119 100
91 84.5 28.1 84.3#
134 48.8 11.1 33.3#

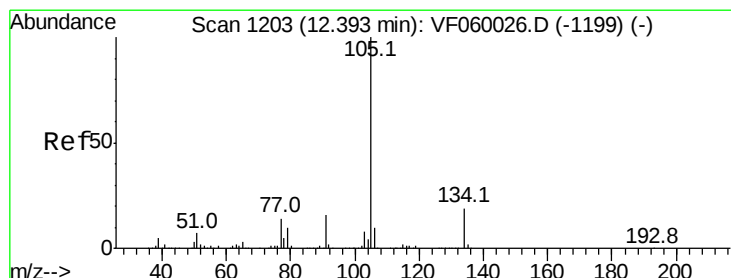
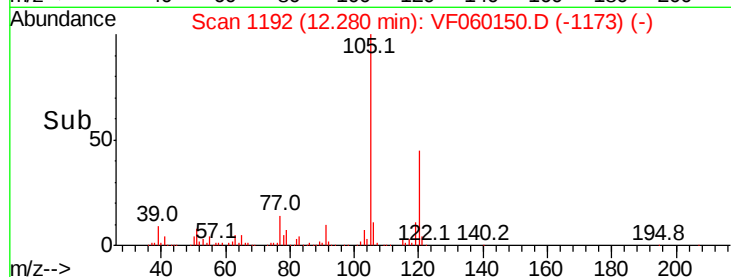
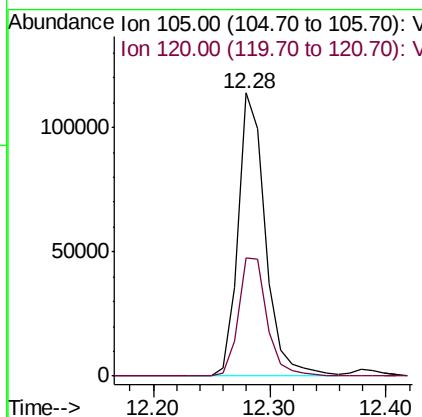
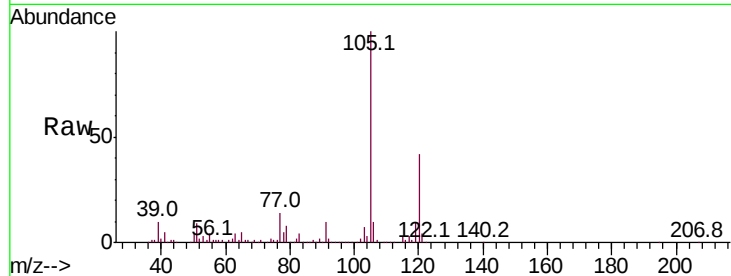




#84
 1,2,4-Trimethylbenzene
 Concen: 180.387 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

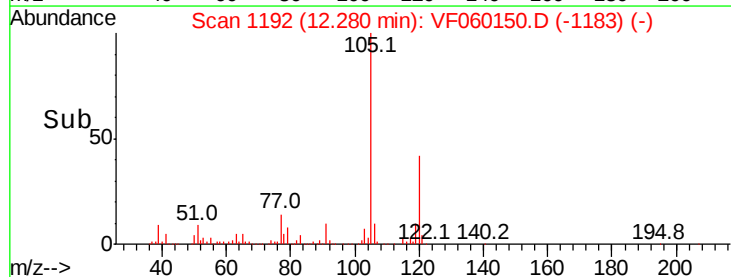
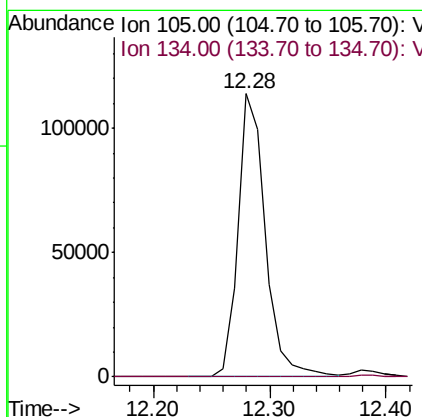
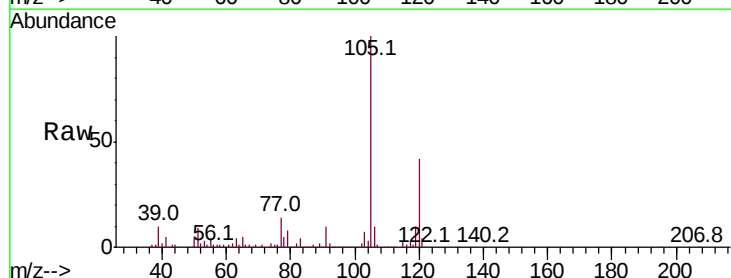
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

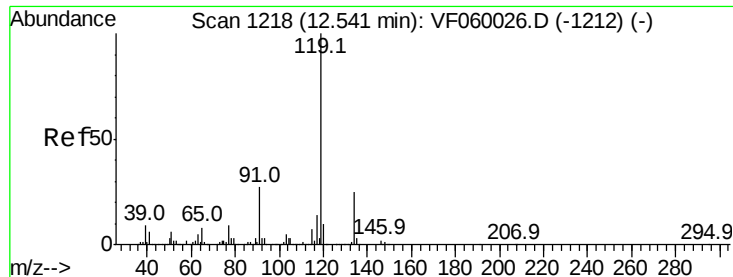
Tot Ion:105 Resp: 185129
 Ion Ratio Lower Upper
 105 100
 120 41.9 23.3 69.8



#85
 sec-Butylbenzene
 Concen: 141.237 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.11 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

Tgt Ion:105 Resp: 185129
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 27.9#

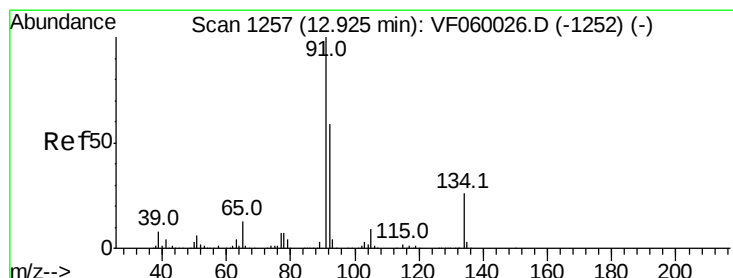
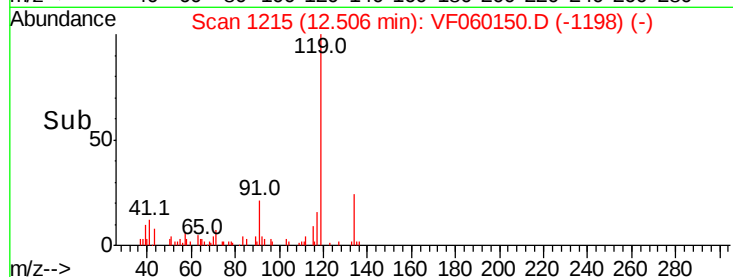
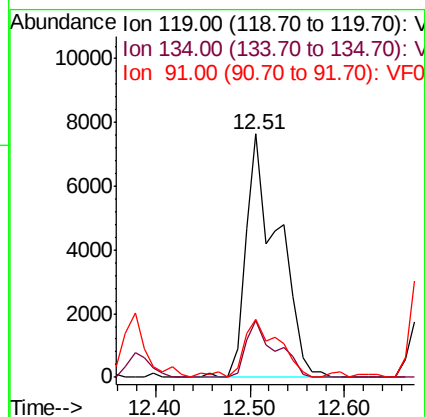
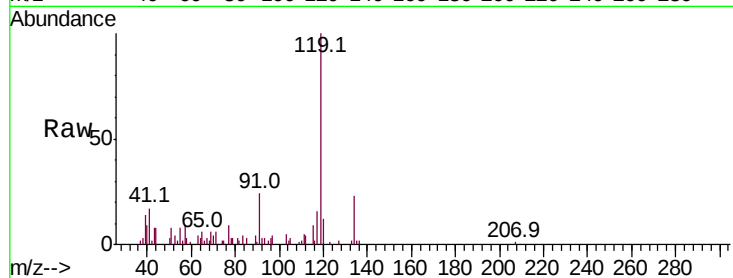




#86
p-Isopropyltoluene
Concen: 16.563 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.03 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

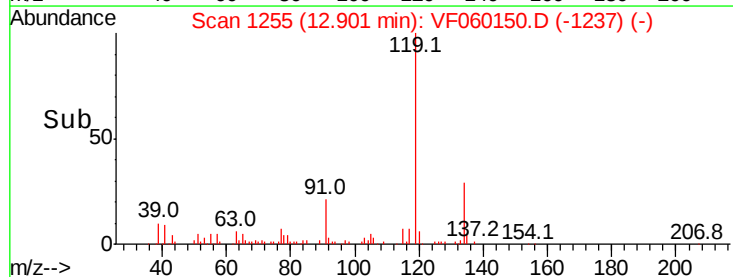
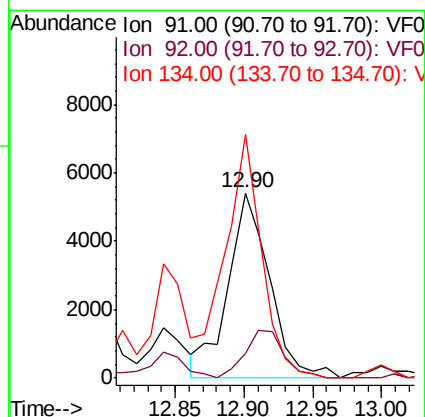
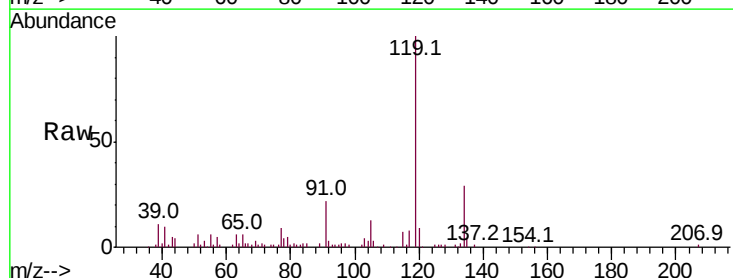
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

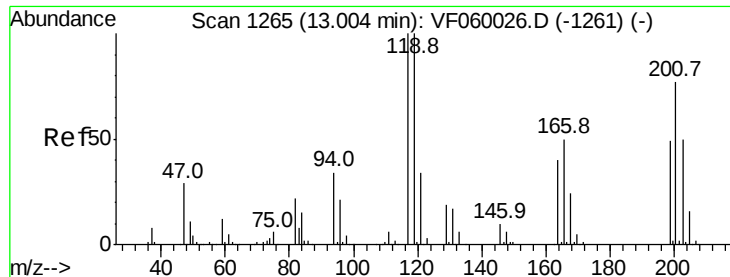
Tot Ion	Ratio	Lower	Upper
119	100		
134	23.5	12.4	37.2
91	23.7	13.5	40.4



#89
n-Butylbenzene
Concen: 10.829 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.02 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	13.7	29.3	87.9#
134	131.6	12.8	38.3#





#90

Hexachloroethane

Concen: 1.089 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

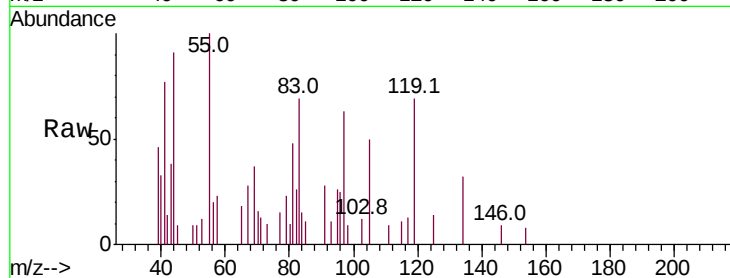
SU-02-082318-BRE

Tot Ion:117 Resp: 266

Ion Ratio Lower Upper

117 100

201 0.0 38.6 115.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.00

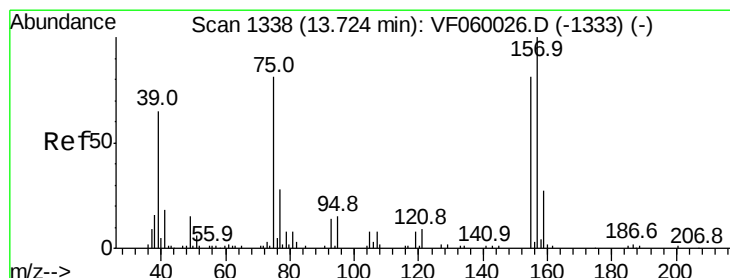
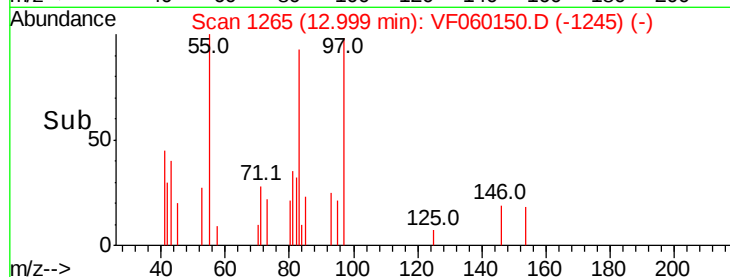
150

100

50

0

Time--> 12.95 13.00



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.710 ug/l

RT: 13.76 min Scan# 1342

Delta R.T. 0.03 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

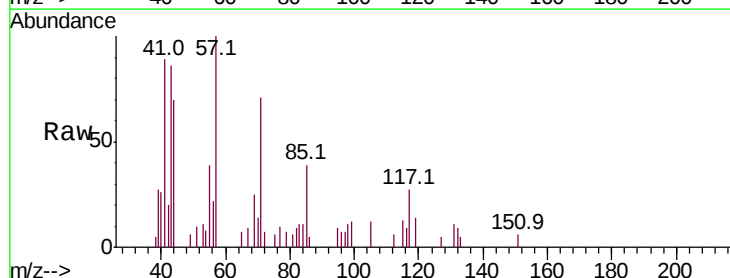
Tgt Ion: 75 Resp: 134

Ion Ratio Lower Upper

75 100

155 0.0 49.8 149.3#

157 0.0 61.6 184.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.76

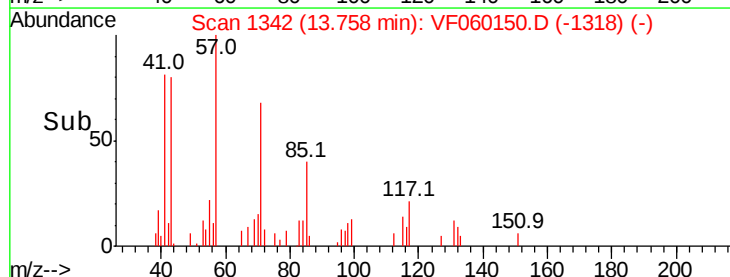
150

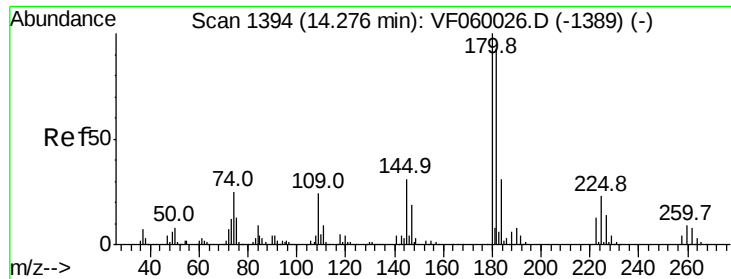
100

50

0

Time--> 13.75

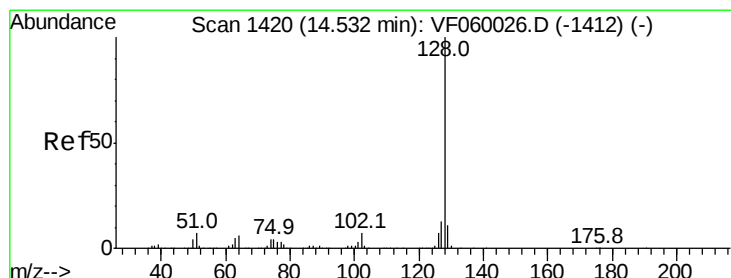
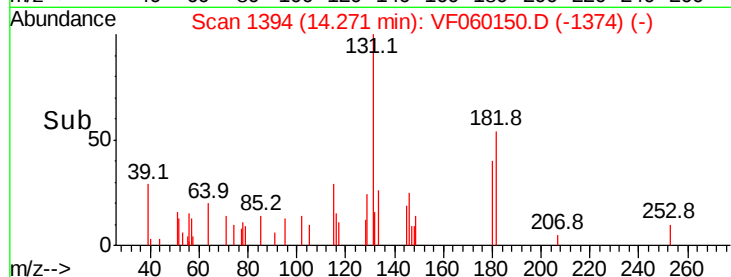
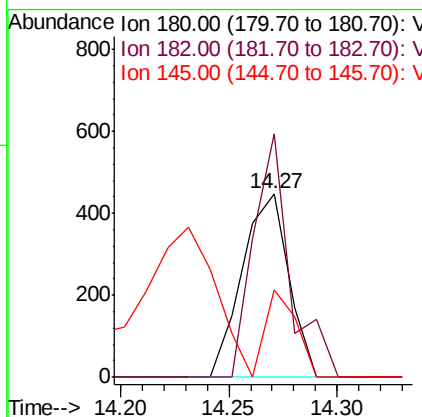
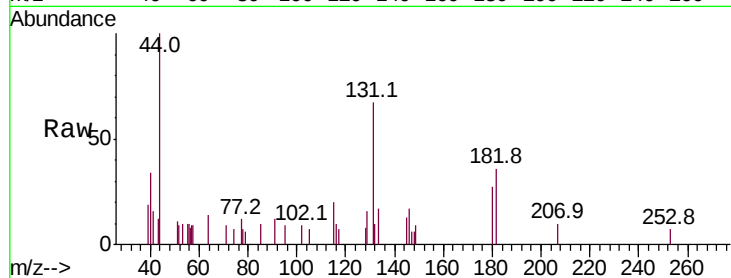




#93
 1,2,4-Trichlorobenzene
 Concen: 1.713 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

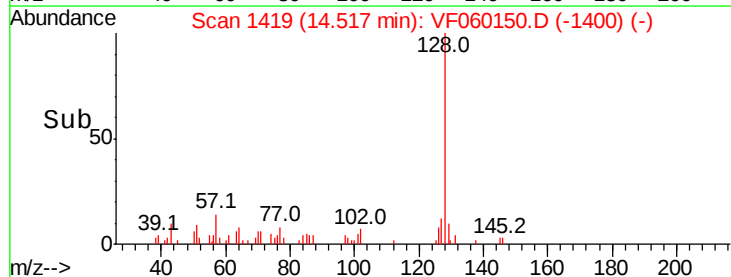
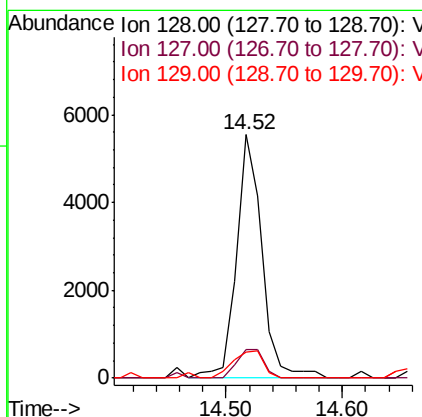
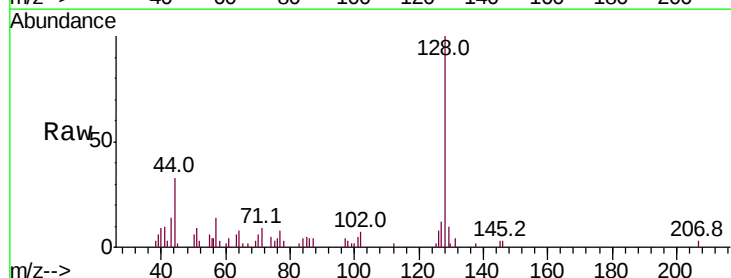
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

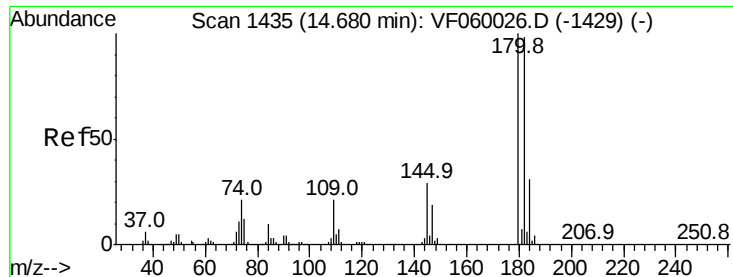
Tot Ion:180 Resp: 676
 Ion Ratio Lower Upper
 180 100
 182 132.6 46.8 140.3
 145 47.3 15.4 46.4#



#95
 Naphthalene
 Concen: 14.011 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

Tgt Ion:128 Resp: 8412
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.4 15.6
 129 10.4 8.5 12.7





#96

1,2,3-Trichlorobenzene

Concen: 1.498 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

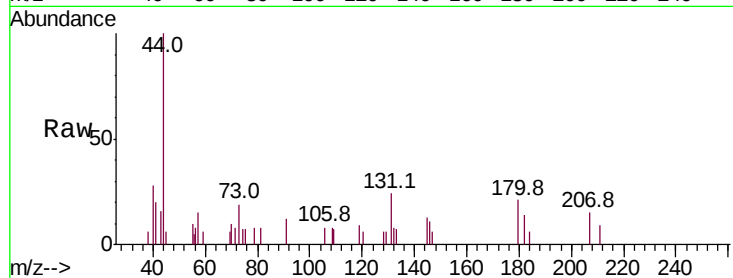
Tot Ion:180 Resp: 564

Ion Ratio Lower Upper

180 100

182 66.8 49.0 147.2

145 62.3 14.4 43.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

