

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060344.D
 Acq On : 26 Sep 2018 00:14
 Operator : VA/AP
 Sample : J4775-11
 Misc : 6.21/5mL/MSVOA_F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-092418-B

Quant Time: Sep 26 01:49:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	631905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	1066138	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	764594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	338748	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	351971	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	
35) Dibromofluoromethane	4.27	113	448742	47.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	7.70	98	941367	38.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.06%	
62) 4-Bromofluorobenzene	11.50	95	389789	36.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.86%	

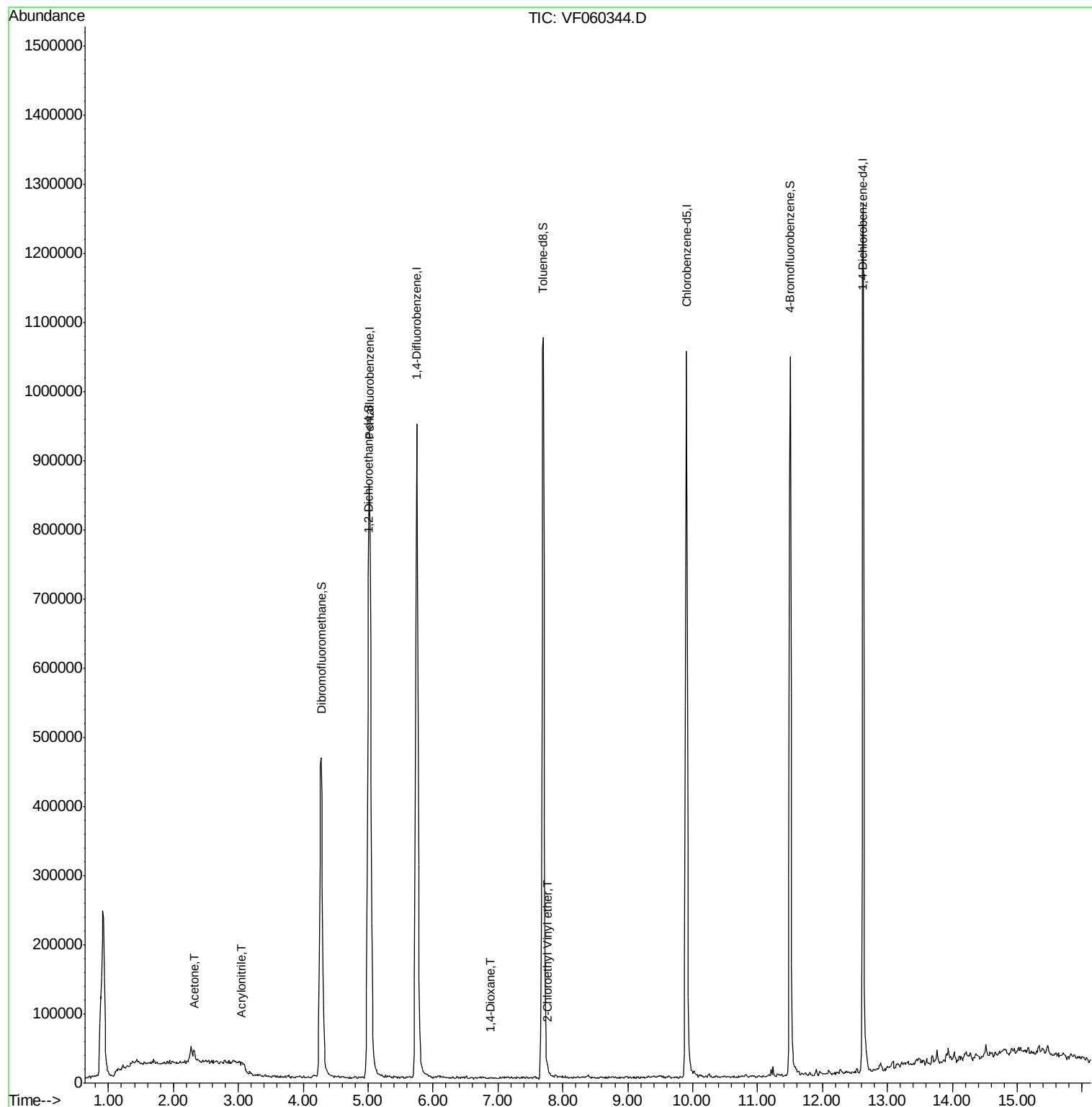
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	441	Below Cal		90
5) Bromomethane	1.38	94	439	Below Cal		89
11) Tert butyl alcohol	2.68	59	565	Below Cal	#	1
13) Acrolein	2.15	56	1095	Below Cal		88
15) Acrylonitrile	3.05	53	1284	1.068	ug/l #	20
16) Acetone	2.34	43	8393	3.503	ug/l #	92
17) Carbon Disulfide	1.85	76	871	Below Cal	#	1
20) Methylene Chloride	2.27	84	11182	Below Cal	#	85
49) 1,4-Dioxane	6.89	88	77	1.812	ug/l #	20
58) 2-Chloroethyl Vinyl ether	7.78	63	667	1.079	ug/l	100
78) n-propylbenzene	11.67	91	2264	Below Cal		85
85) sec-Butylbenzene	12.38	105	1995	Below Cal	#	77
86) p-Isopropyltoluene	12.53	119	3037	Below Cal		88
89) n-Butylbenzene	12.90	91	2572	Below Cal	#	69

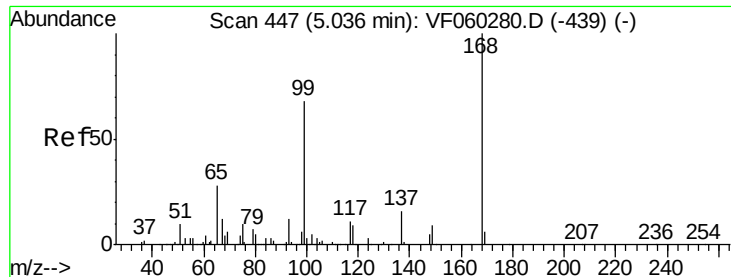
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
Data File : VF060344.D
Acq On : 26 Sep 2018 00:14
Operator : VA/AP
Sample : J4775-11
Misc : 6.21/5mL/MSVOA_F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-01-092418-B

Quant Time: Sep 26 01:49:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

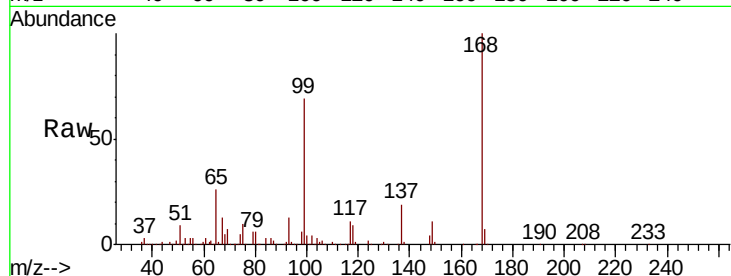
OR-01-092418-B

Tgt Ion:168 Resp: 631905

Ion Ratio Lower Upper

168 100

99 68.7 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

200000

150000

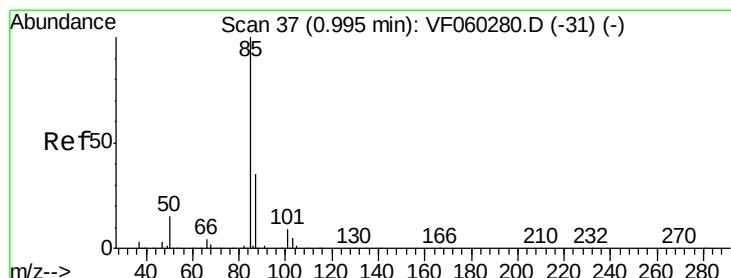
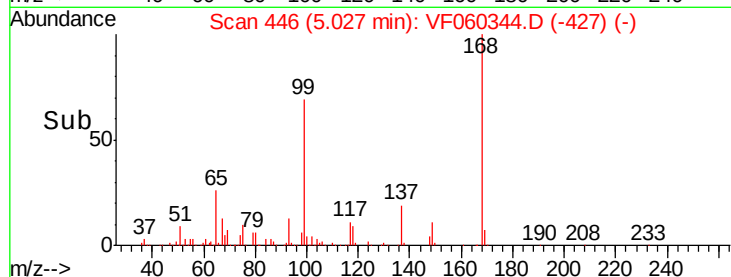
100000

50000

0

4.80 4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060344.D

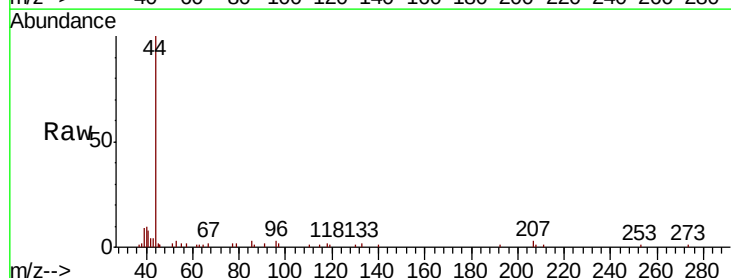
Acq: 26 Sep 2018 00:14

Tgt Ion: 85 Resp: 441

Ion Ratio Lower Upper

85 100

87 40.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

300

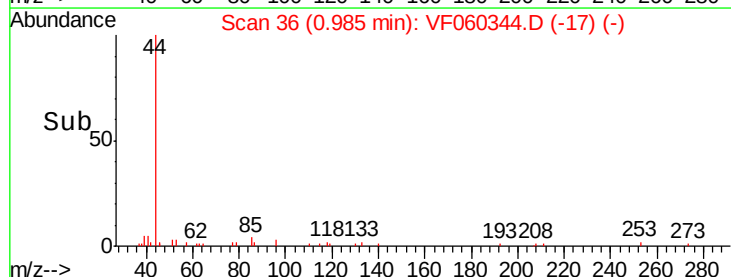
200

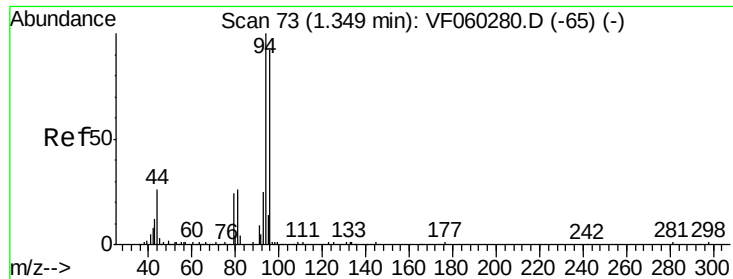
100

0

0.95 1.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.38 min Scan# 76

Delta R.T. 0.03 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

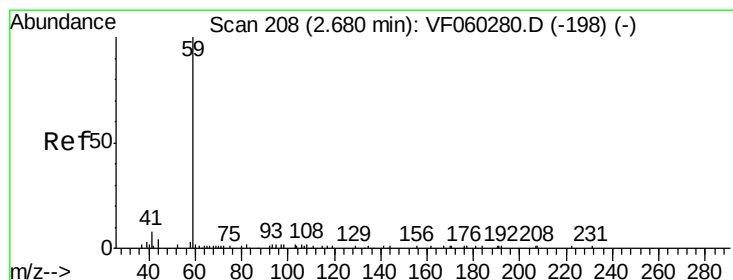
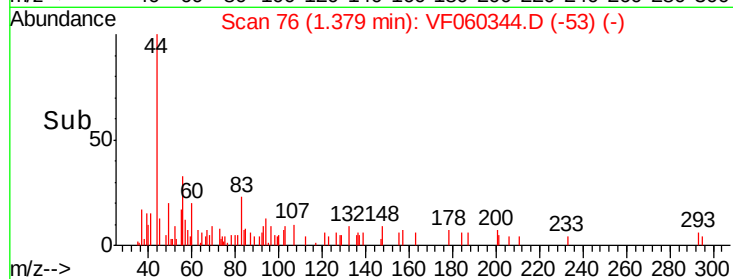
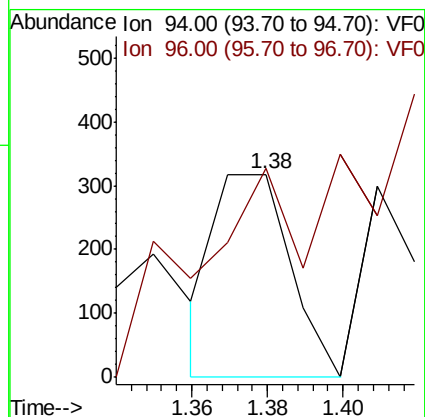
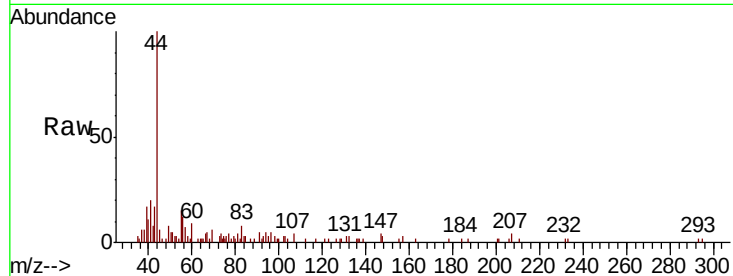
OR-01-092418-B

Tgt Ion: 94 Resp: 439

Ion Ratio Lower Upper

94 100

96 102.8 73.9 110.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.68 min Scan# 208

Delta R.T. 0.00 min

Lab File: VF060344.D

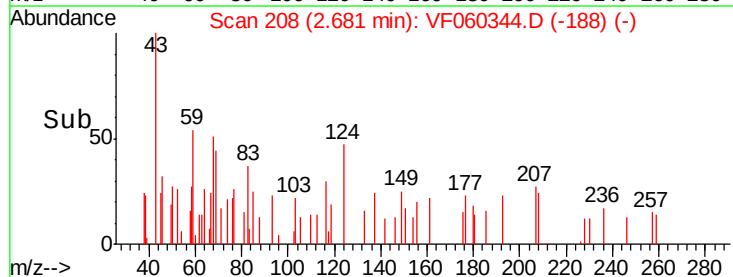
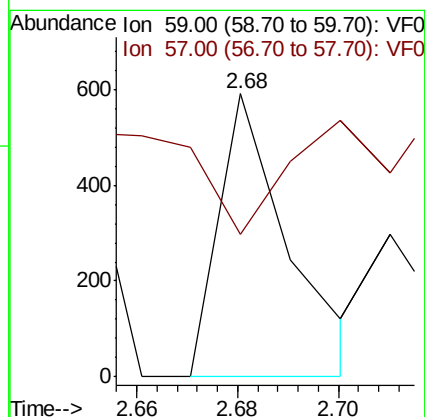
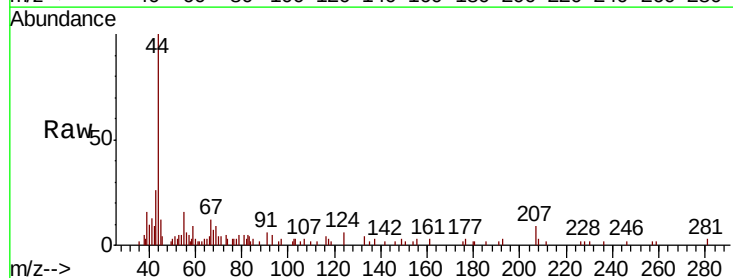
Acq: 26 Sep 2018 00:14

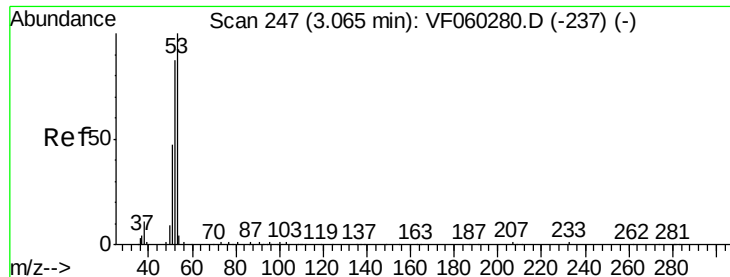
Tgt Ion: 59 Resp: 565

Ion Ratio Lower Upper

59 100

57 72.8 12.4 18.6#





#15

Acrylonitrile

Concen: 1.068 ug/l

RT: 3.05 min Scan# 245

Delta R.T. -0.02 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

OR-01-092418-B

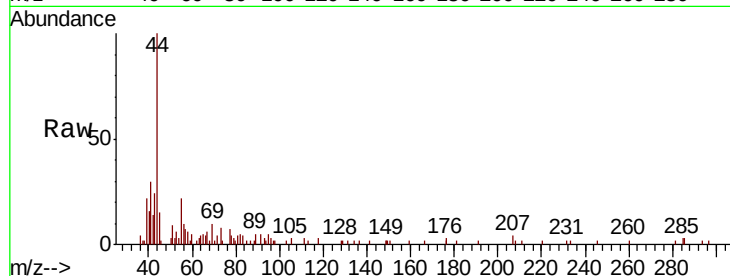
Tgt Ion: 53 Resp: 1284

Ion Ratio Lower Upper

53 100

52 44.8 69.5 104.3#

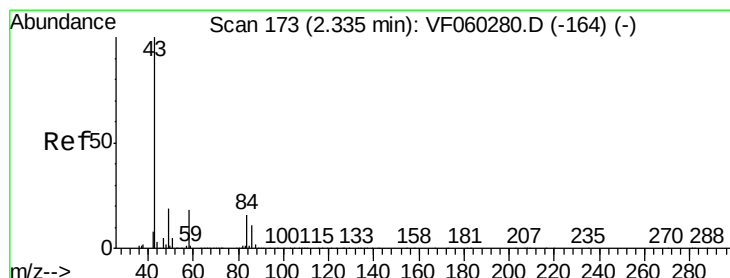
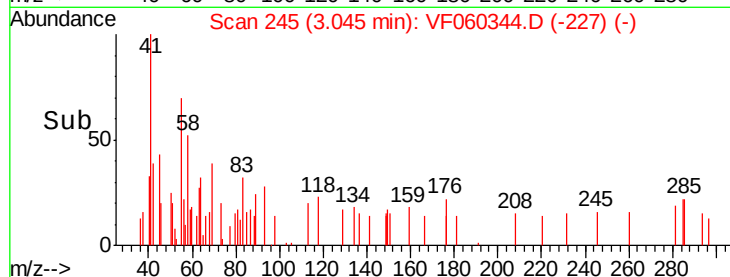
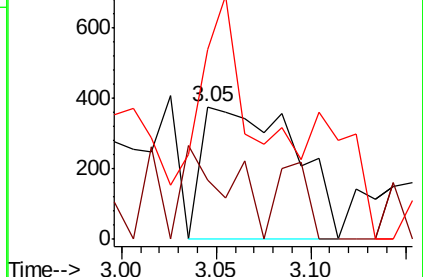
51 143.5 38.1 57.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 3.503 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060344.D

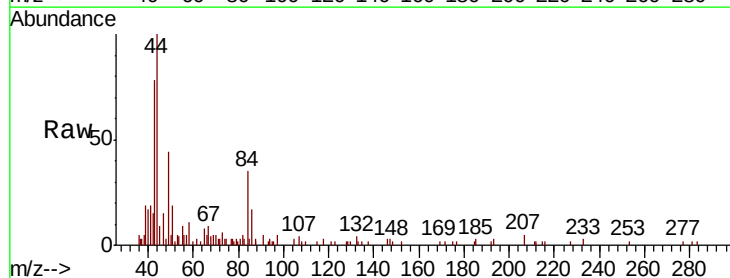
Acq: 26 Sep 2018 00:14

Tgt Ion: 43 Resp: 8393

Ion Ratio Lower Upper

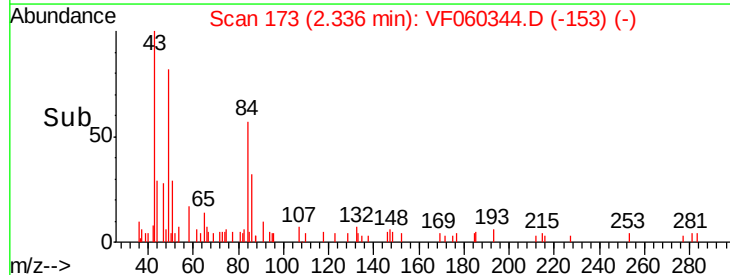
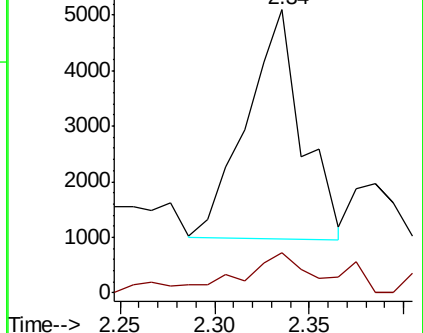
43 100

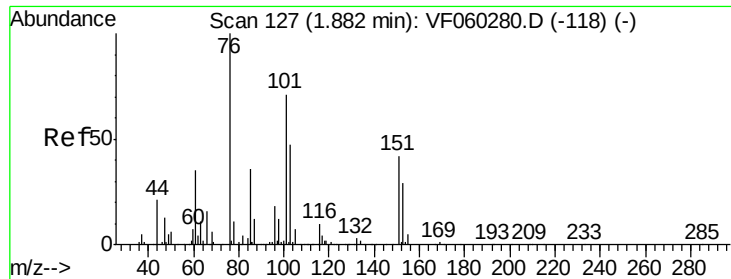
58 14.4 14.5 21.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

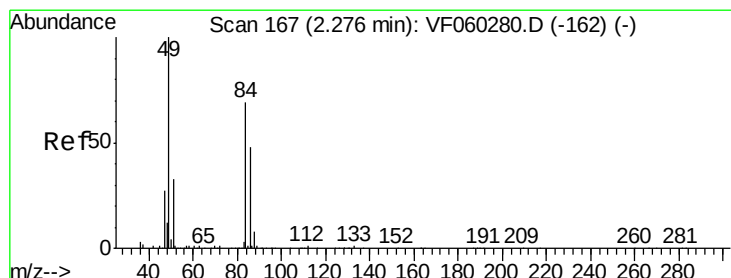
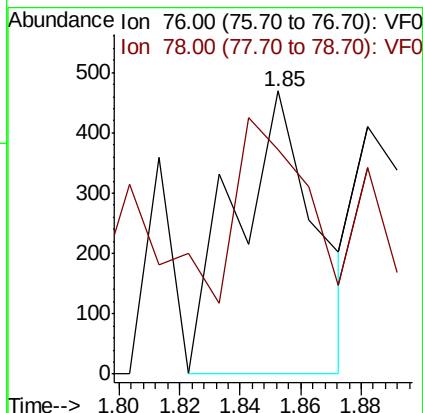
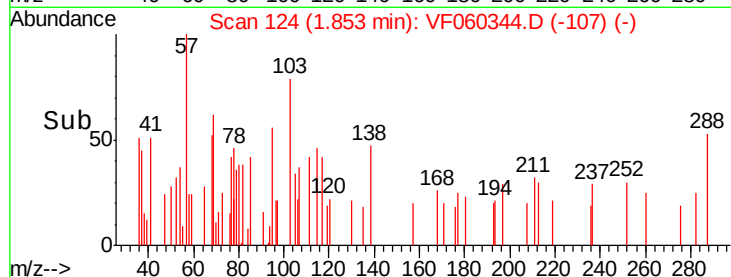
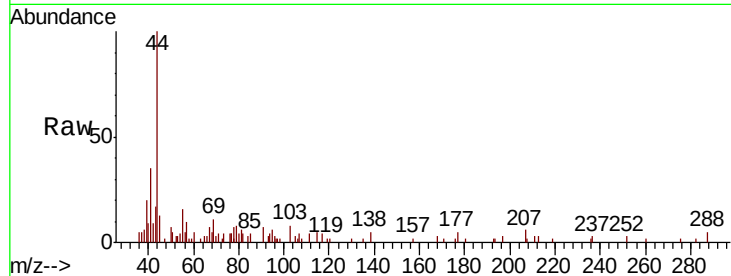




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.85 min Scan# 124
Delta R.T. -0.03 min
Lab File: VF060344.D
Acq: 26 Sep 2018 00:14

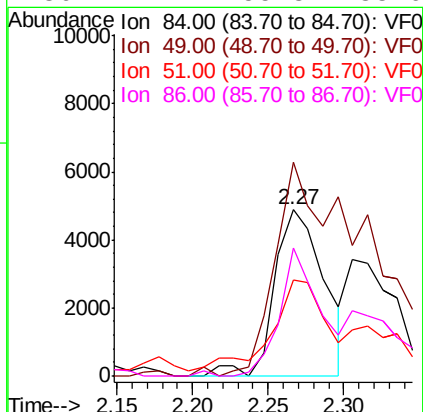
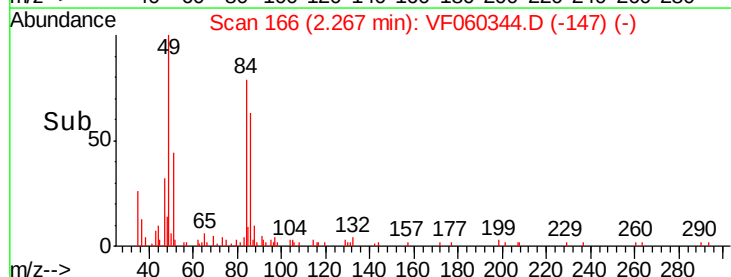
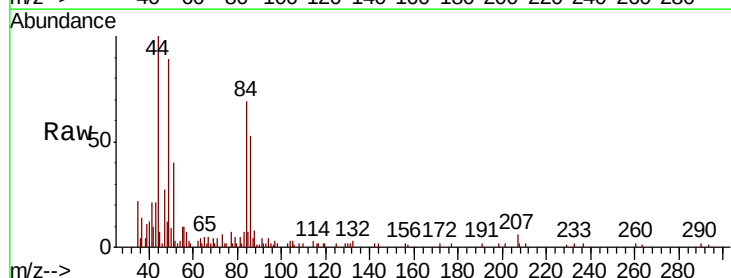
Instrument :
MSVOA_F
ClientSampleId :
OR-01-092418-B

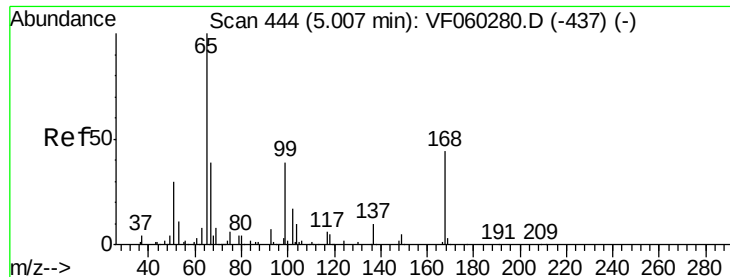
Tgt Ion: 76 Resp: 871
Ion Ratio Lower Upper
76 100
78 79.3 9.4 14.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060344.D
Acq: 26 Sep 2018 00:14

Tgt Ion: 84 Resp: 11182
Ion Ratio Lower Upper
84 100
49 128.5 118.3 177.5
51 62.0 38.7 58.1#
86 77.4 55.8 83.6

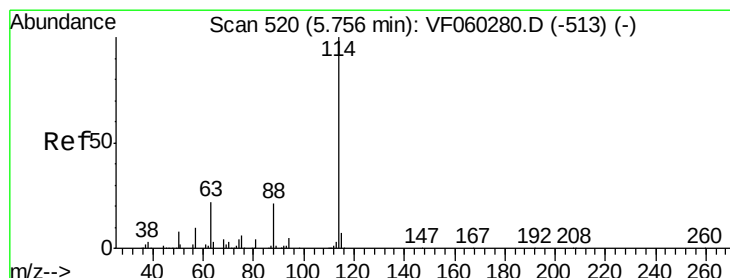
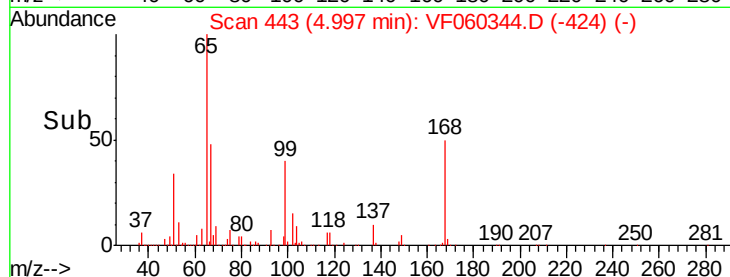
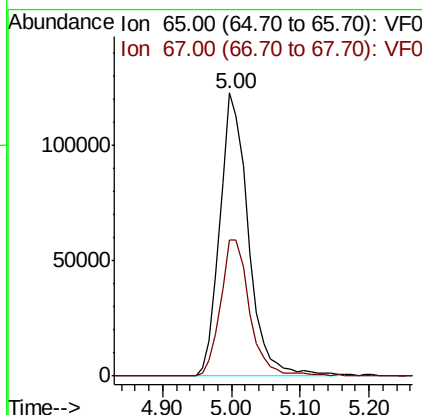
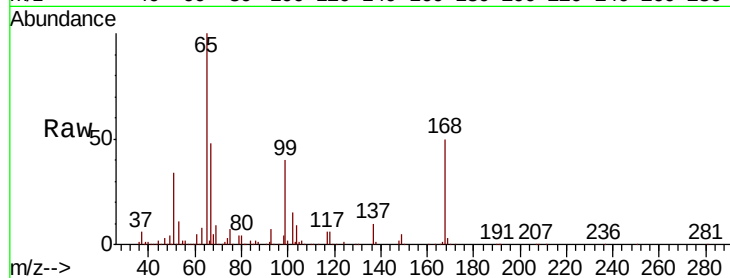




#33
 1,2-Dichloroethane-d4
 Concen: 41.366 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: VF060344.D
 Acq: 26 Sep 2018 00:14

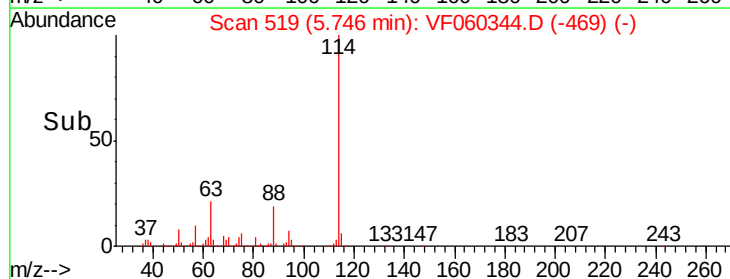
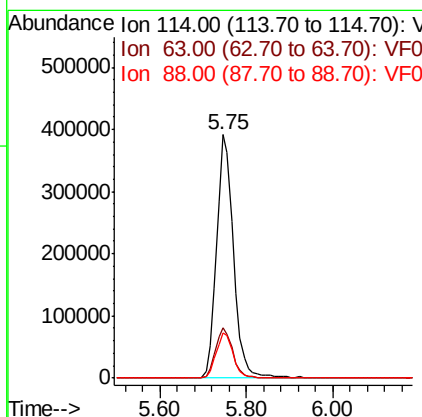
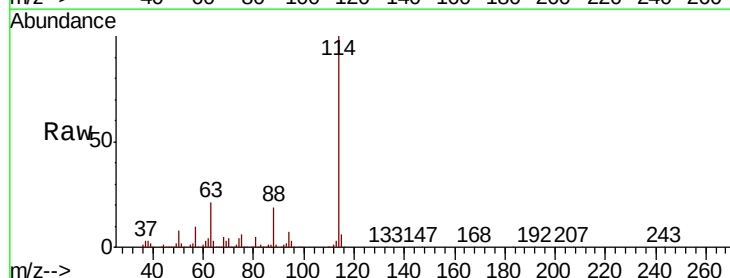
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-092418-B

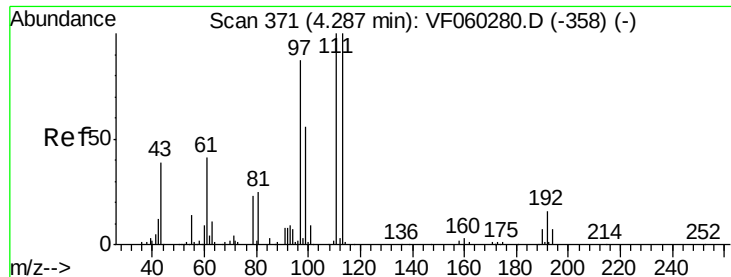
Tgt Ion: 65 Resp: 351971
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060344.D
 Acq: 26 Sep 2018 00:14

Tgt Ion: 114 Resp: 1066138
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.8
 88 18.5 0.0 41.2





#35

Dibromofluoromethane

Concen: 47.217 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

OR-01-092418-B

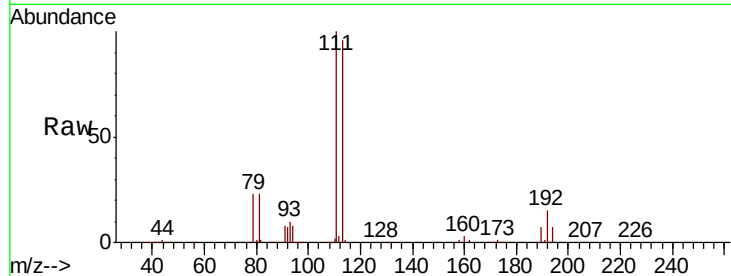
Tgt Ion:113 Resp: 448742

Ion Ratio Lower Upper

113 100

111 103.9 79.6 119.4

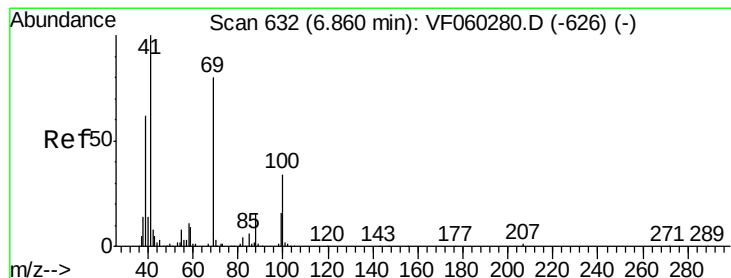
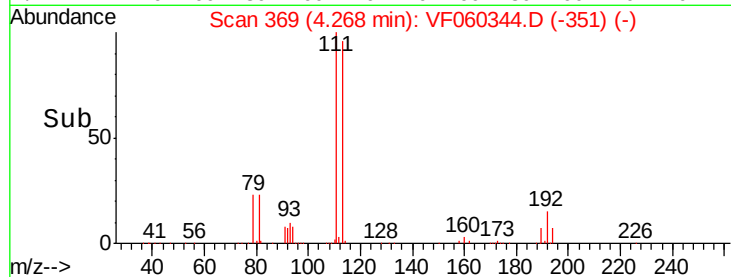
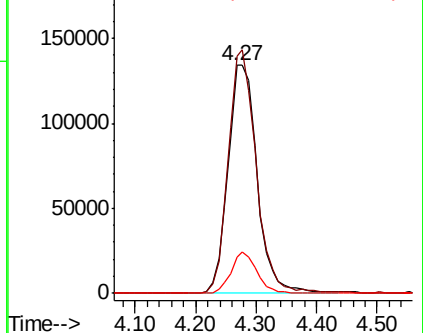
192 15.7 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#49

1,4-Dioxane

Concen: 1.812 ug/l

RT: 6.89 min Scan# 635

Delta R.T. 0.03 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

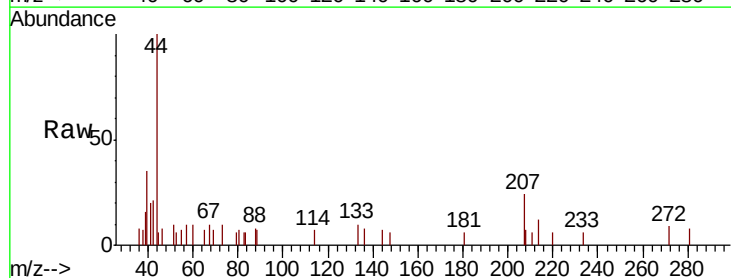
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 0.0 40.2 60.4#

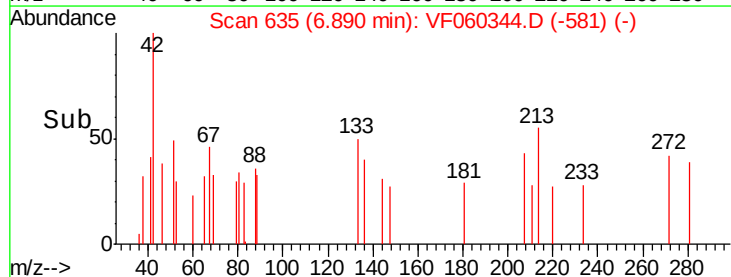
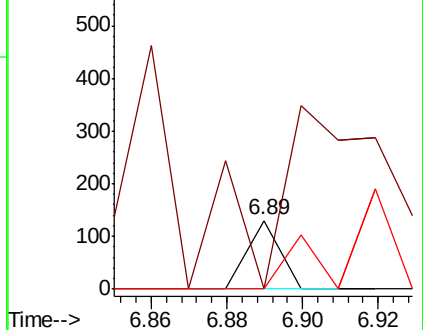
58 0.0 56.7 85.1#

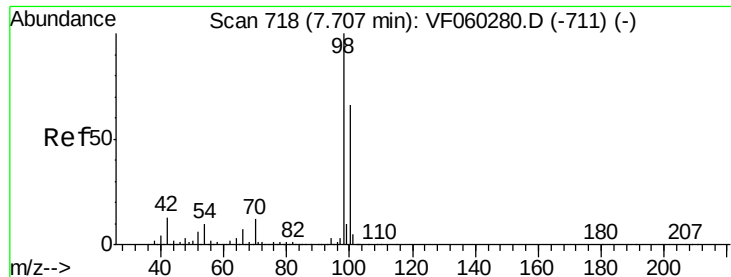


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 38.035 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

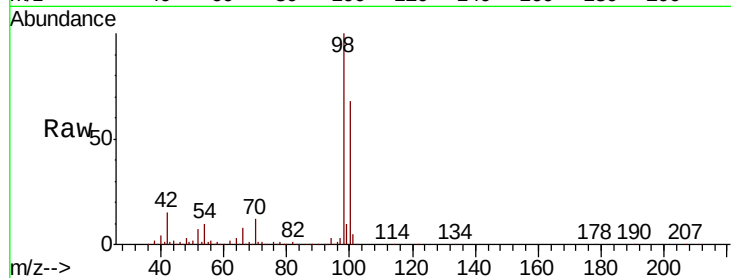
OR-01-092418-B

Tgt Ion: 98 Resp: 941367

Ion Ratio Lower Upper

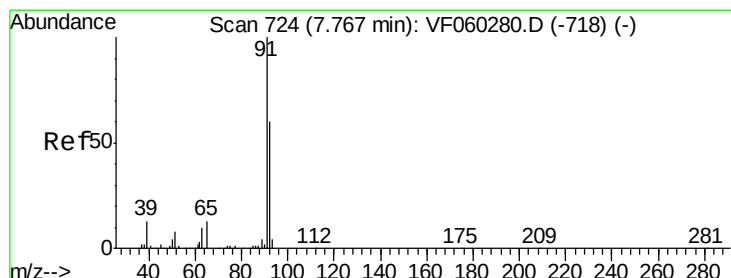
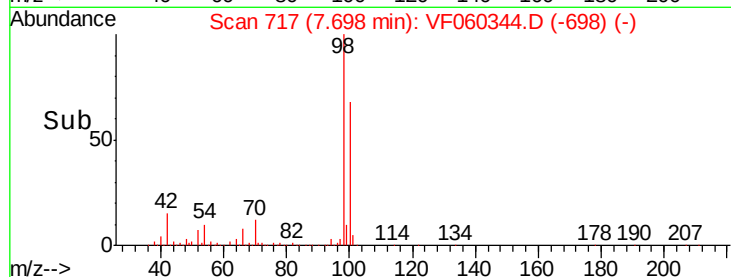
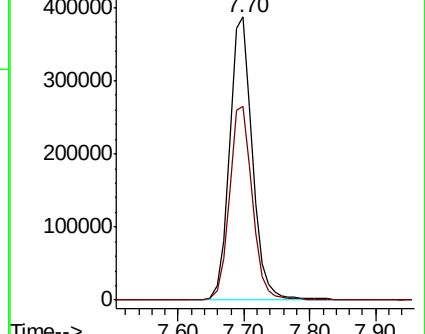
98 100

100 68.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 1.079 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060344.D

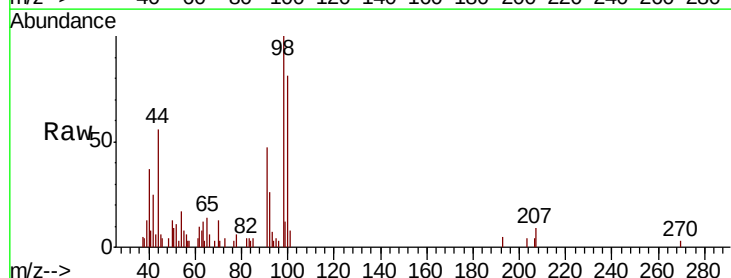
Acq: 26 Sep 2018 00:14

Tgt Ion: 63 Resp: 667

Ion Ratio Lower Upper

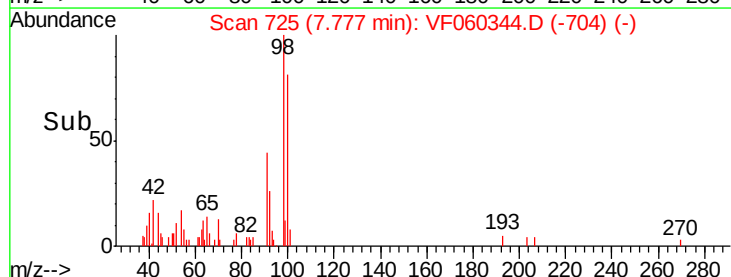
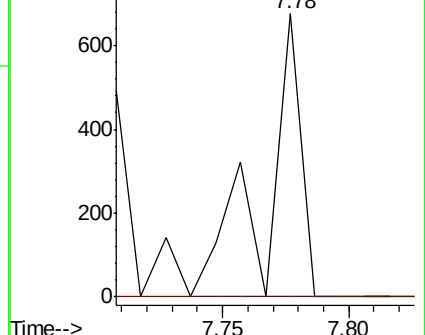
63 100

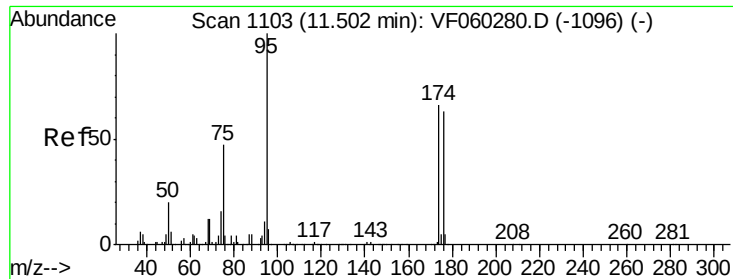
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

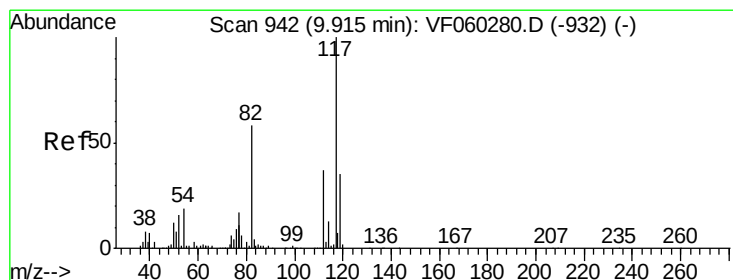
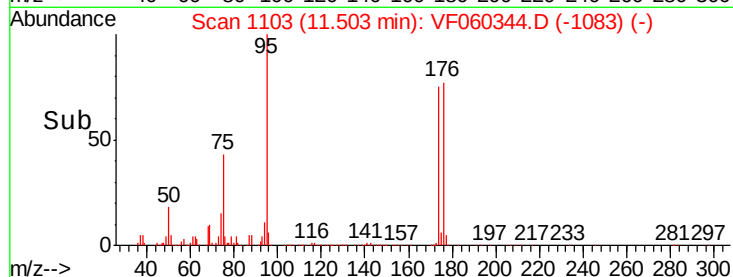
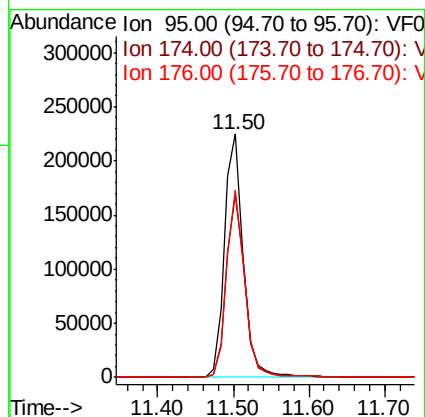
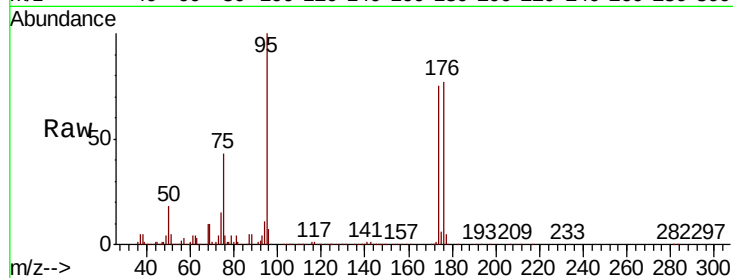




#62
4-Bromofluorobenzene
Concen: 36.433 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VF060344.D
Acq: 26 Sep 2018 00:14

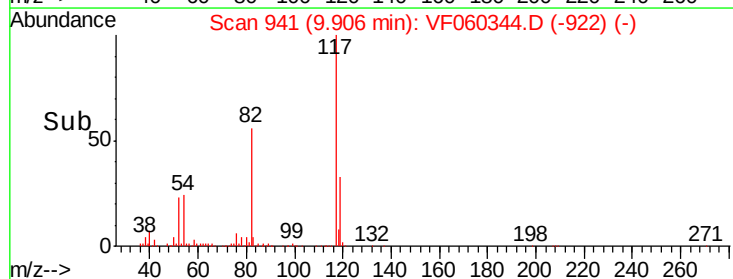
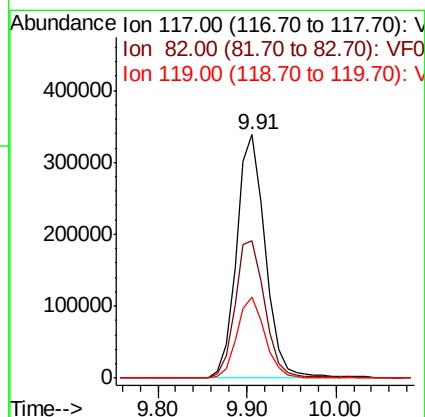
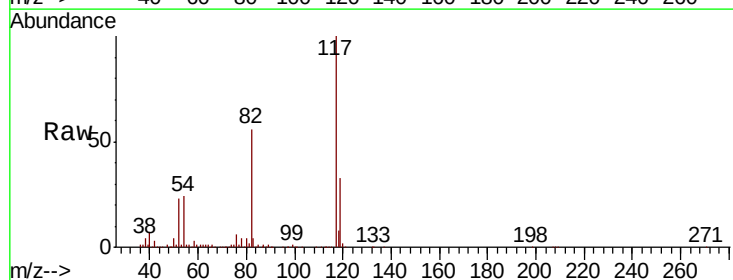
Instrument :
MSVOA_F
ClientSampleId :
OR-01-092418-B

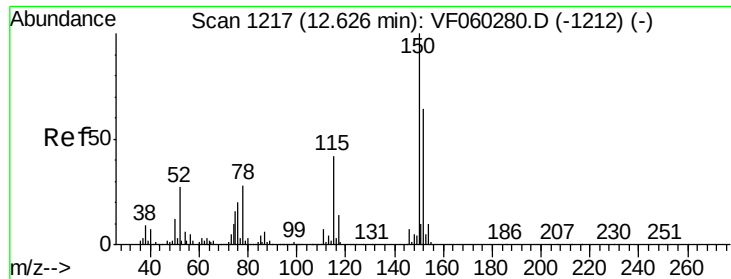
Tgt Ion: 95 Resp: 389789
Ion Ratio Lower Upper
95 100
174 74.7 0.0 131.2
176 76.8 0.0 126.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060344.D
Acq: 26 Sep 2018 00:14

Tgt Ion: 117 Resp: 764594
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.2
119 33.3 27.8 41.6



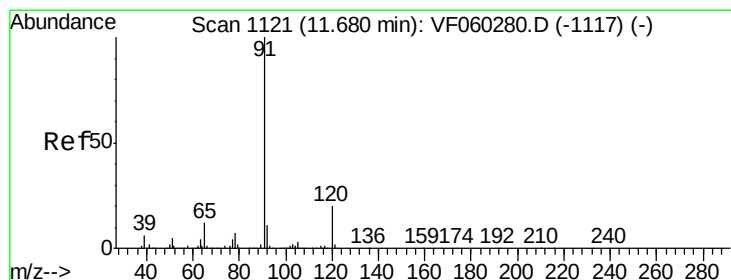
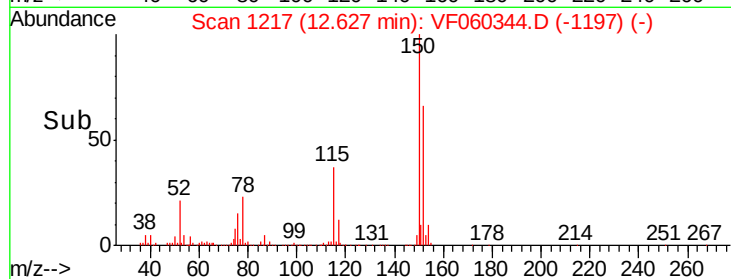
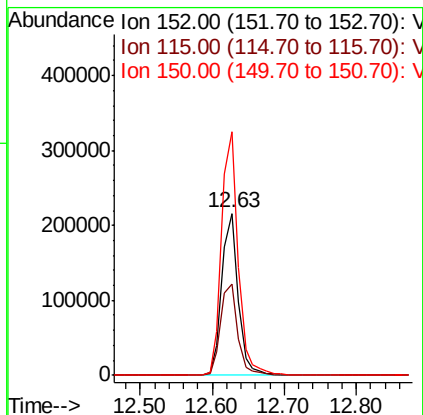
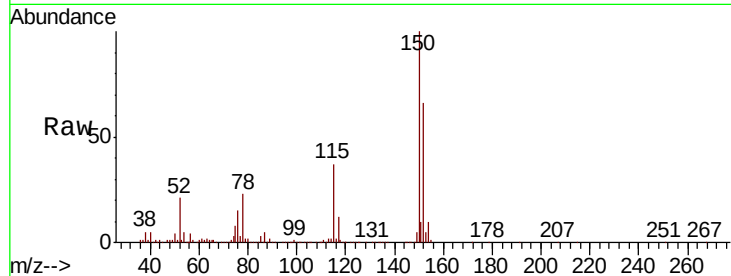


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060344.D
 Acq: 26 Sep 2018 00:14

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-092418-B

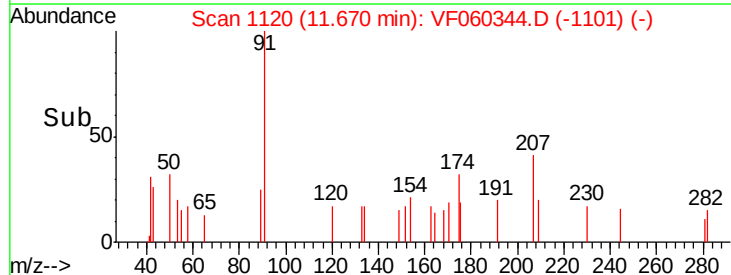
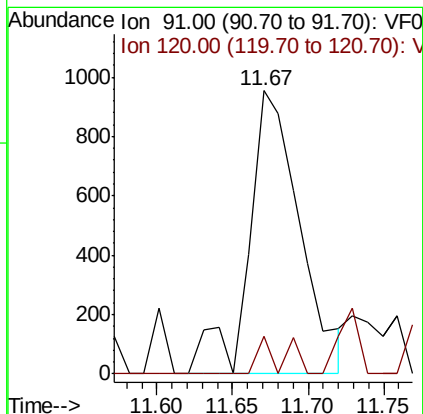
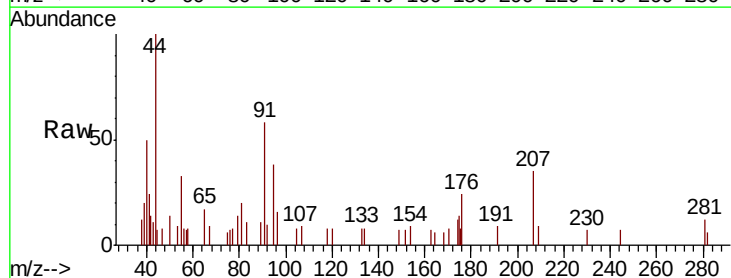
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	32.6	97.8
150	150.5	0.0	314.2

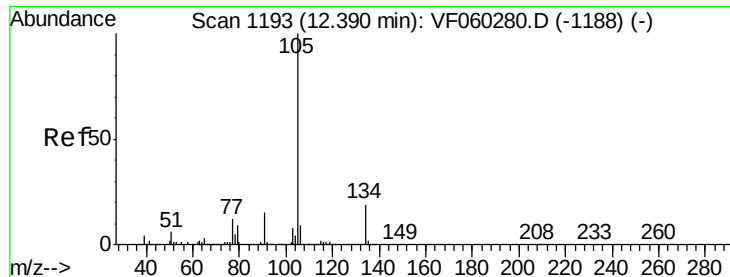


#78

n-propylbenzene
 Concen: Below Cal
 RT: 11.67 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: VF060344.D
 Acq: 26 Sep 2018 00:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	13.1	10.0	29.8





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

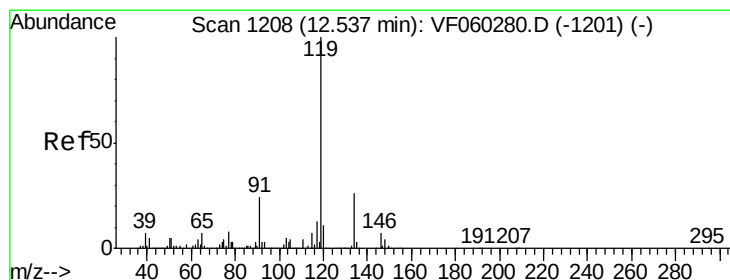
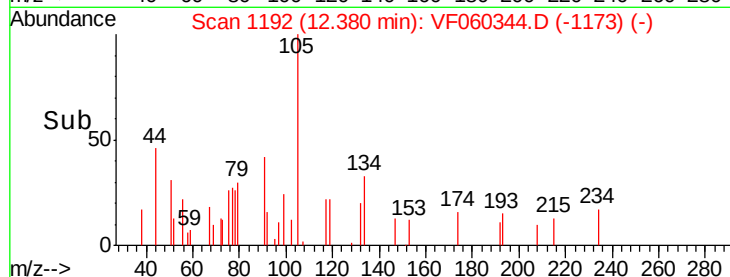
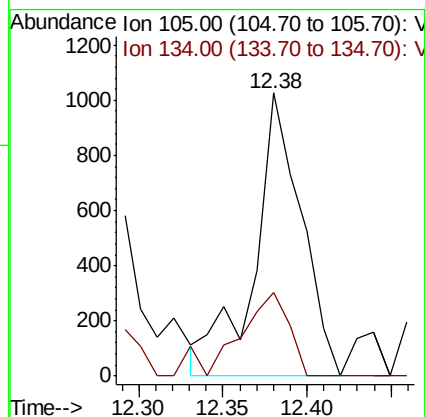
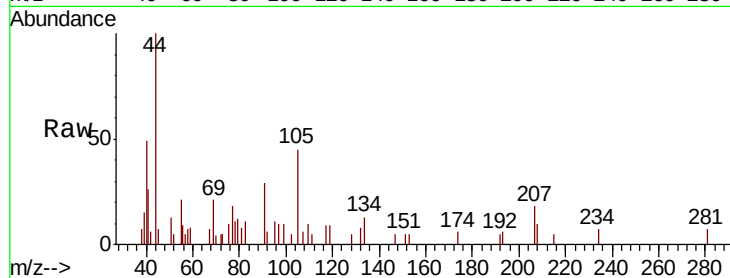
OR-01-092418-B

Tgt Ion:105 Resp: 1995

Ion Ratio Lower Upper

105 100

134 29.5 9.6 28.6#



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060344.D

Acq: 26 Sep 2018 00:14

Tgt Ion:119 Resp: 3037

Ion Ratio Lower Upper

119 100

134 35.9 12.9 38.7

91 25.2 11.9 35.7

