

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060343.D
 Acq On : 25 Sep 2018 23:46
 Operator : VA/AP
 Sample : J4775-09
 Misc : 6.48/5mL/MSVOA_F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

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

Quant Time: Sep 26 01:49:25 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

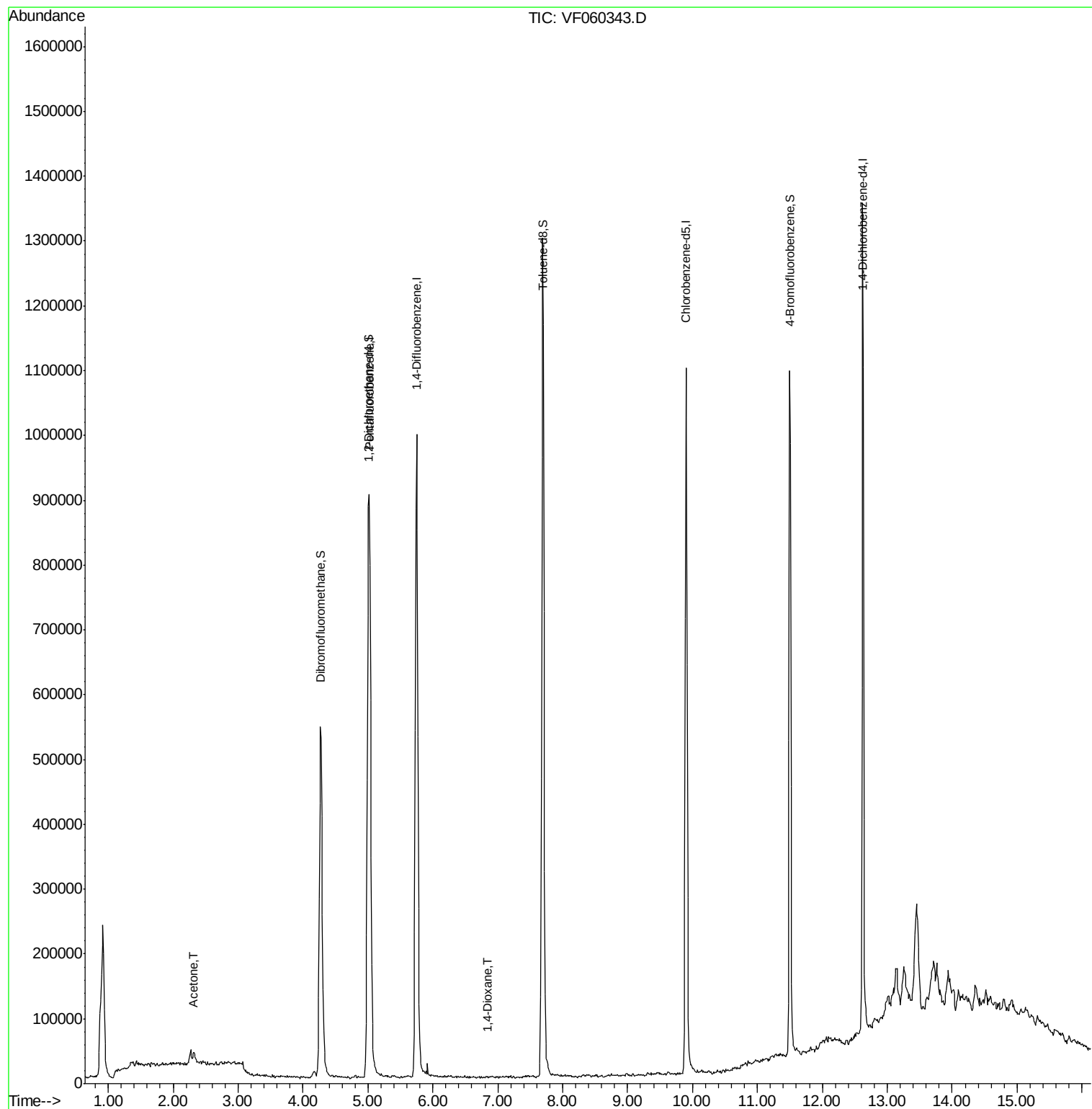
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	660524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	1138062	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	812264	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	325134	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	419556	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.34%	
35) Dibromofluoromethane	4.27	113	526440	51.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.78%	
50) Toluene-d8	7.69	98	1120561	42.41	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	84.82%	
62) 4-Bromofluorobenzene	11.50	95	403658	35.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.01	85	79	Below Cal	#	40
5) Bromomethane	1.38	94	507	Below Cal		87
11) Tert butyl alcohol	2.66	59	1386	Below Cal	#	1
13) Acrolein	1.95	56	956	Below Cal		82
16) Acetone	2.32	43	11375	4.541	ug/l	97
17) Carbon Disulfide	1.91	76	377	Below Cal	#	1
20) Methylene Chloride	2.27	84	11202	Below Cal	#	93
49) 1,4-Dioxane	6.85	88	145	3.197	ug/l #	1
78) n-propylbenzene	11.70	91	2751	Below Cal		87
85) sec-Butylbenzene	12.37	105	1553	Below Cal		93
86) p-Isopropyltoluene	12.53	119	2275	Below Cal	#	39
89) n-Butylbenzene	12.91	91	4864	Below Cal	#	58

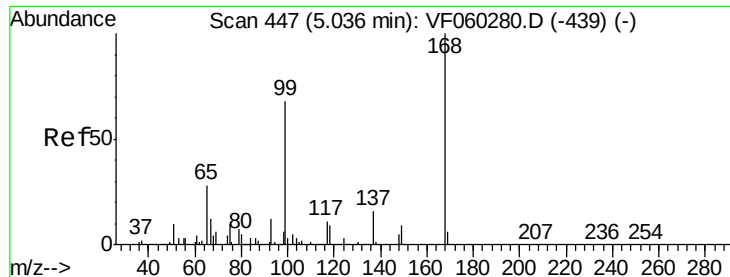
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060343.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_F

ClientSampleId :

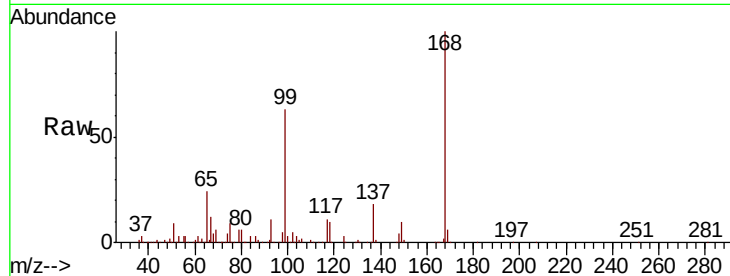
OR-01-092418-A

Tgt Ion:168 Resp: 660524

Ion Ratio Lower Upper

168 100

99 62.9 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

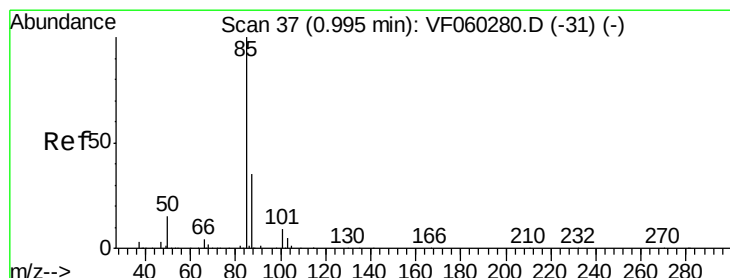
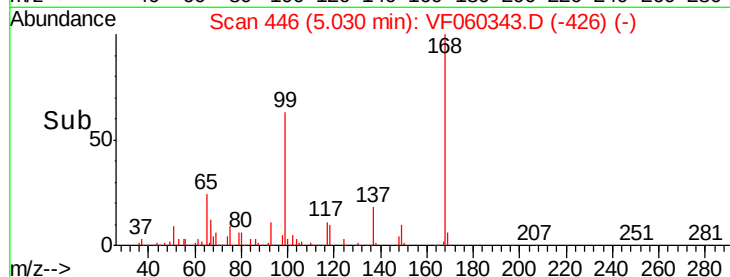
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060343.D

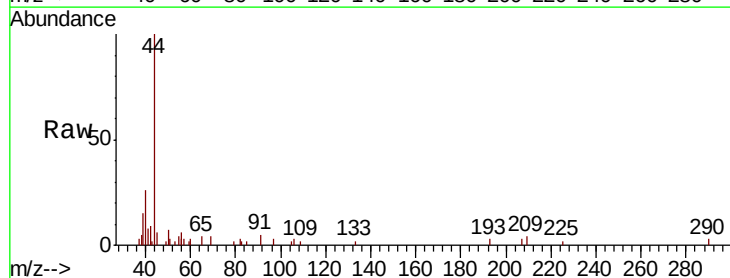
Acq: 25 Sep 2018 23:46

Tgt Ion: 85 Resp: 79

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

150

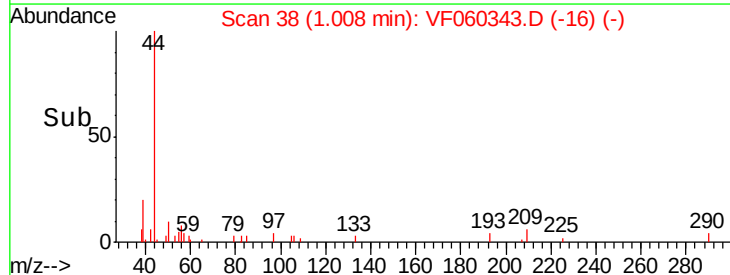
100

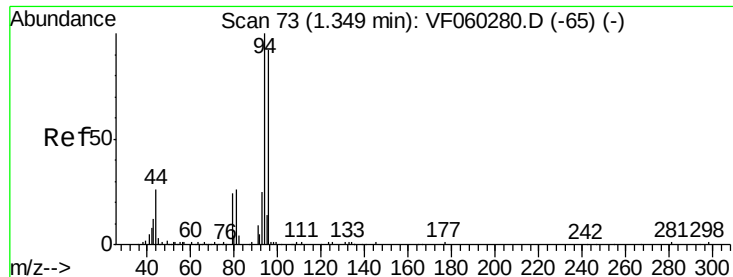
50

0

Time-->

0.98 1.00 1.02 1.04





#5

Bromomethane

Concen: Below Cal

RT: 1.38 min Scan# 76

Delta R.T. 0.03 min

Lab File: VF060343.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_F

ClientSampleId :

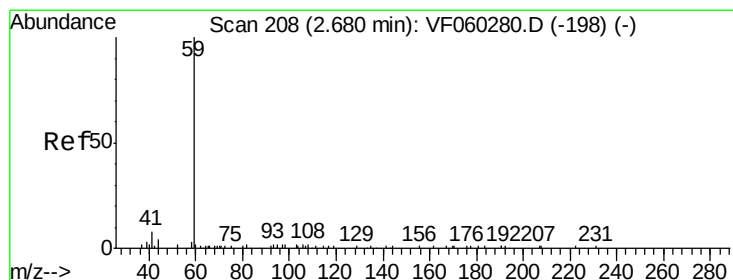
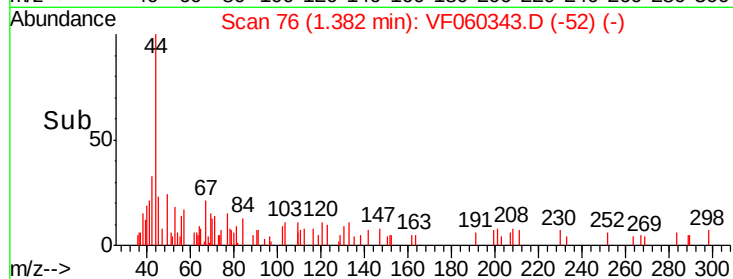
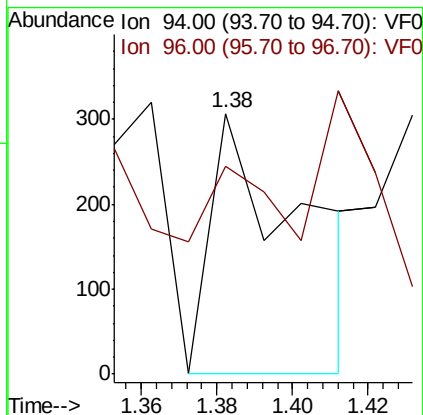
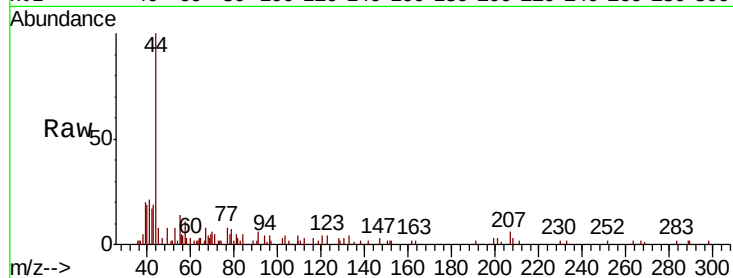
OR-01-092418-A

Tgt Ion: 94 Resp: 507

Ion Ratio Lower Upper

94 100

96 79.8 73.9 110.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.66 min Scan# 206

Delta R.T. -0.02 min

Lab File: VF060343.D

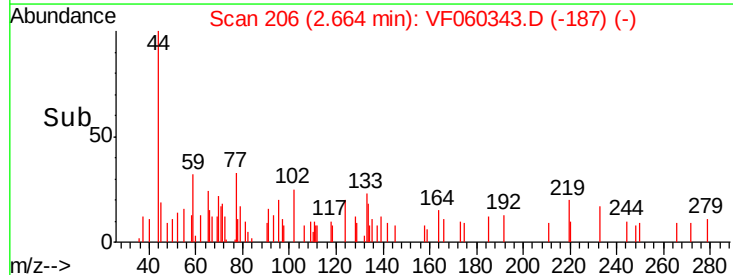
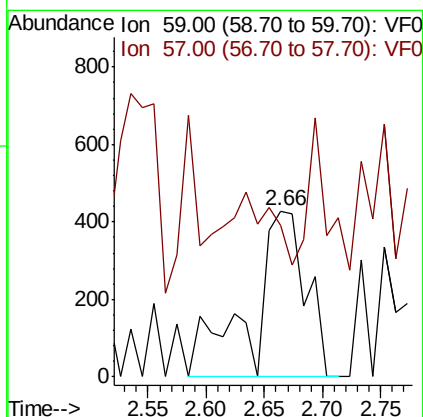
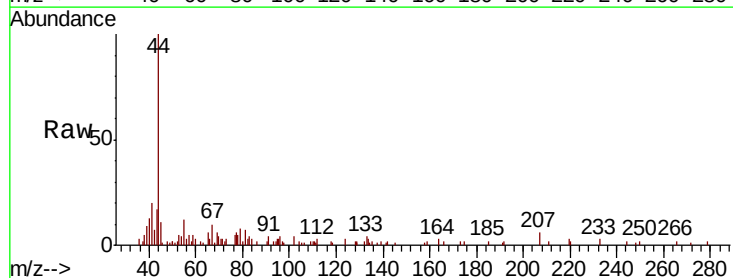
Acq: 25 Sep 2018 23:46

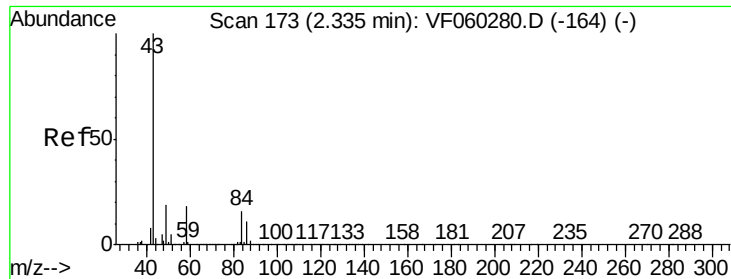
Tgt Ion: 59 Resp: 1386

Ion Ratio Lower Upper

59 100

57 91.1 12.4 18.6#

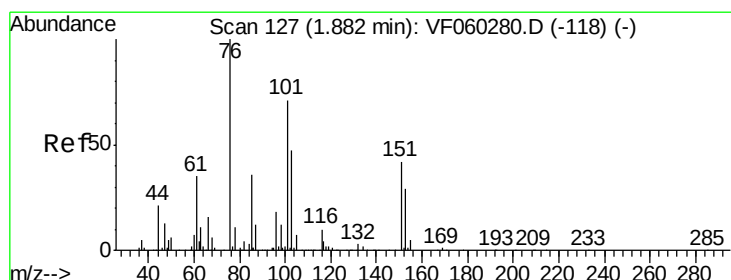
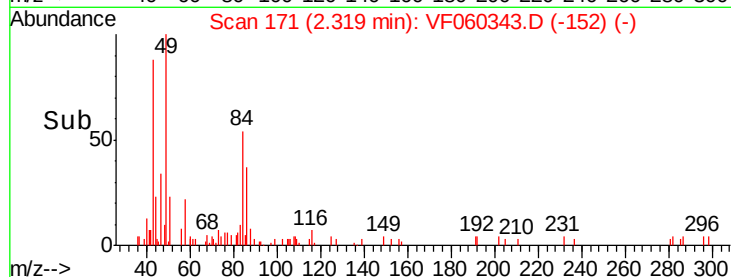
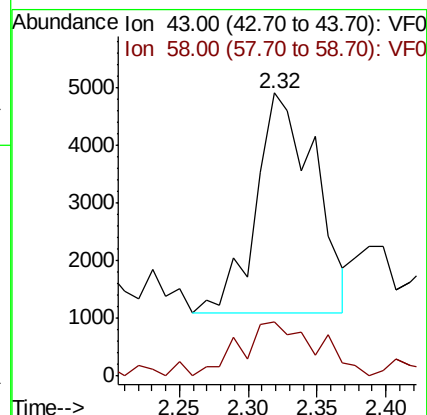
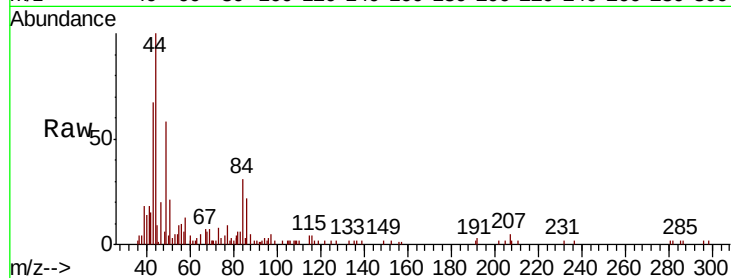




#16
Acetone
Concen: 4.541 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

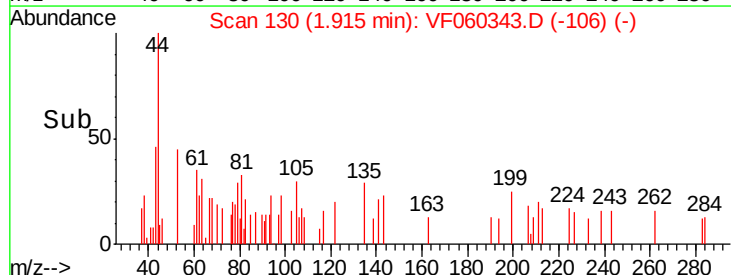
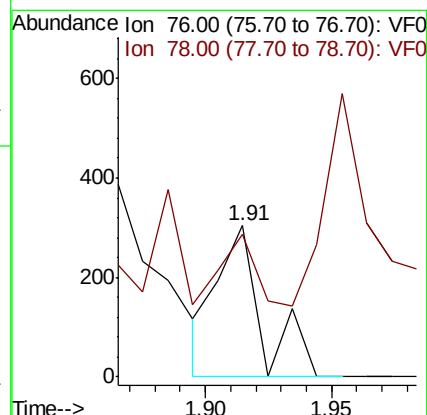
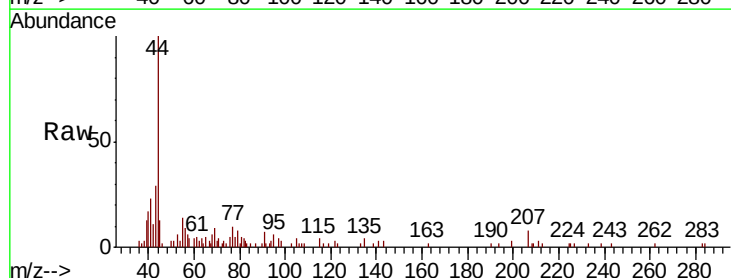
Instrument :
MSVOA_F
ClientSampleId :
OR-01-092418-A

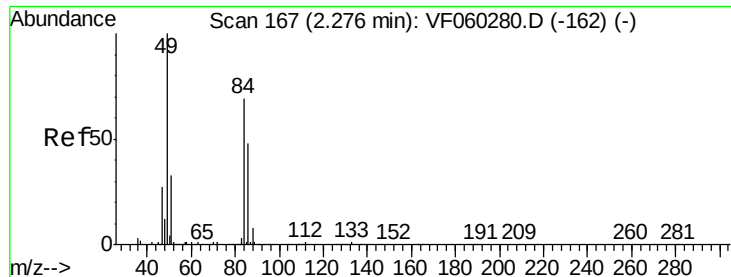
Tgt Ion: 43 Resp: 11375
Ion Ratio Lower Upper
43 100
58 19.4 14.5 21.7



#17
Carbon Disulfide
Concen: Below Cal
RT: 1.91 min Scan# 130
Delta R.T. 0.03 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

Tgt Ion: 76 Resp: 377
Ion Ratio Lower Upper
76 100
78 94.4 9.4 14.0#

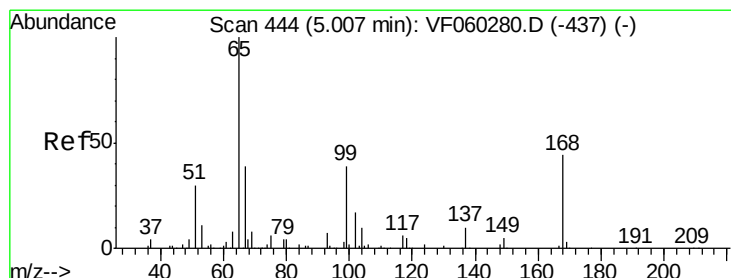
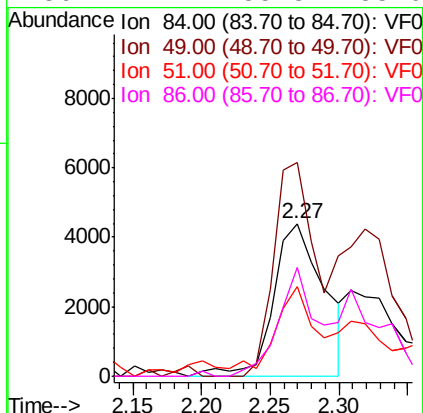
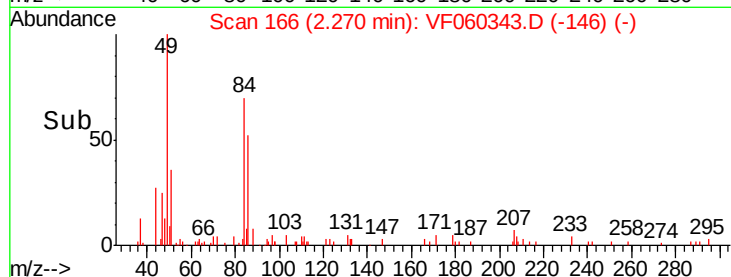
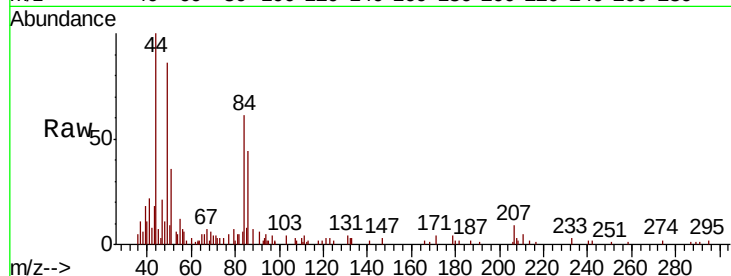




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

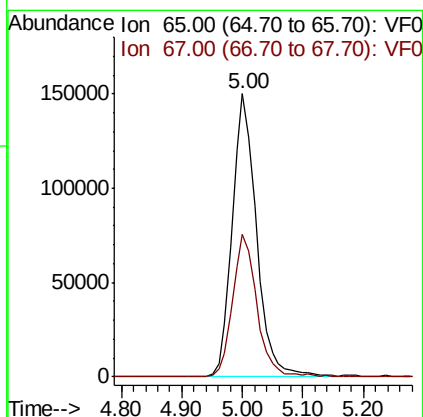
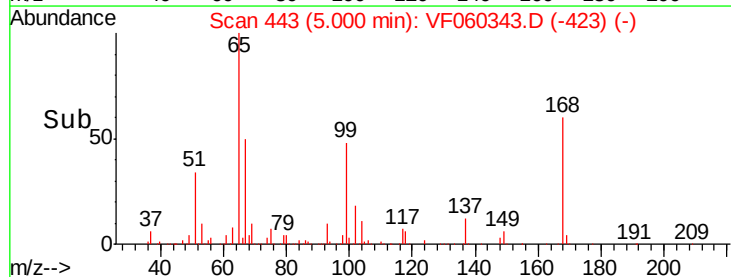
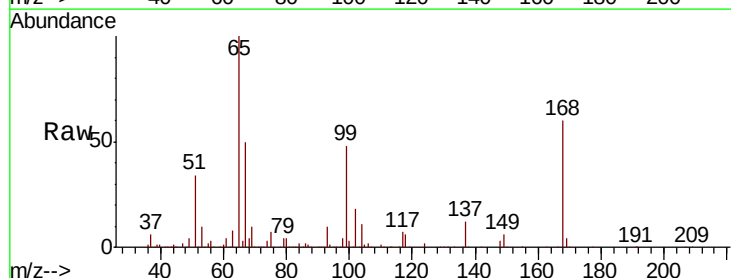
Instrument :
MSVOA_F
ClientSampleId :
OR-01-092418-A

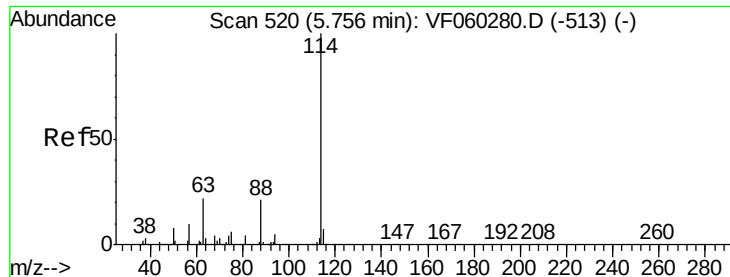
Tgt Ion: 84 Resp: 11202
Ion Ratio Lower Upper
84 100
49 140.0 118.3 177.5
51 58.5 38.7 58.1#
86 71.1 55.8 83.6



#33
1,2-Dichloroethane-d4
Concen: 47.172 ug/l
RT: 5.00 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

Tgt Ion: 65 Resp: 419556
Ion Ratio Lower Upper
65 100
67 50.4 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: VF060343.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_F

ClientSampleId :

OR-01-092418-A

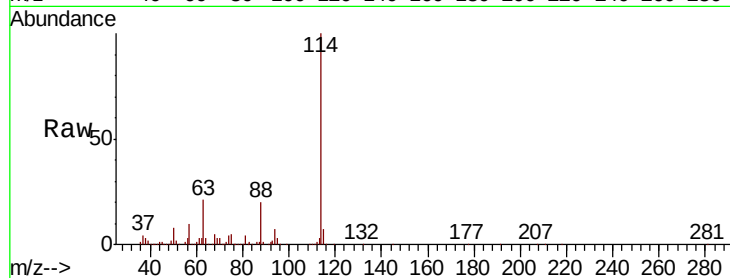
Tgt Ion:114 Resp: 1138062

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

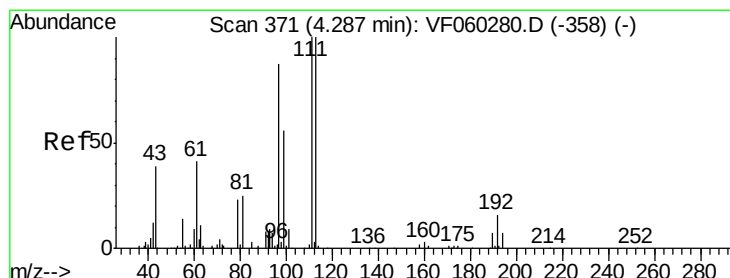
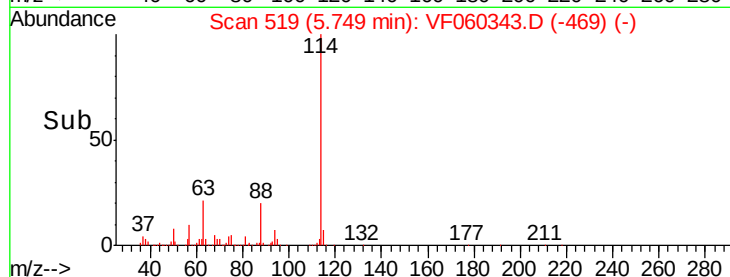
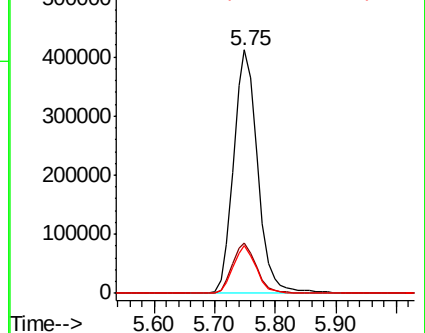
88 19.6 0.0 41.2



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: 51.892 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060343.D

Acq: 25 Sep 2018 23:46

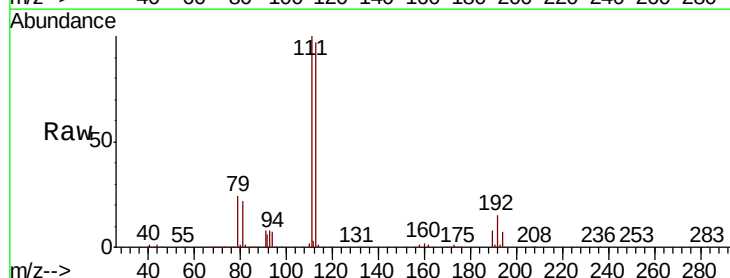
Tgt Ion:113 Resp: 526440

Ion Ratio Lower Upper

113 100

111 102.7 79.6 119.4

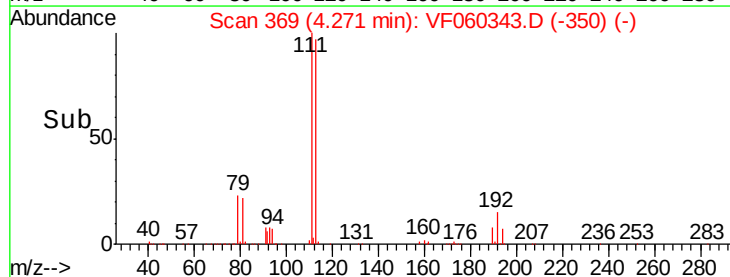
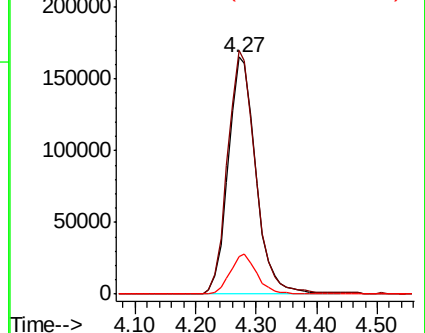
192 15.6 13.0 19.6

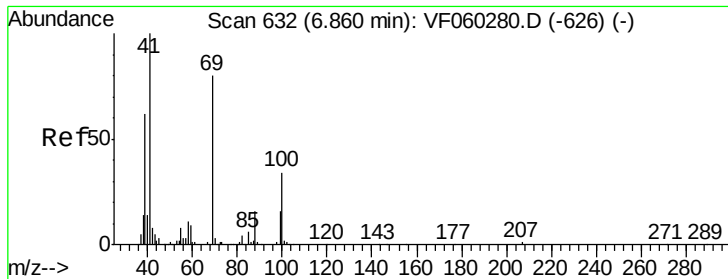


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.197 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060343.D

Acq: 25 Sep 2018 23:46

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ClientSampleId :

OR-01-092418-A

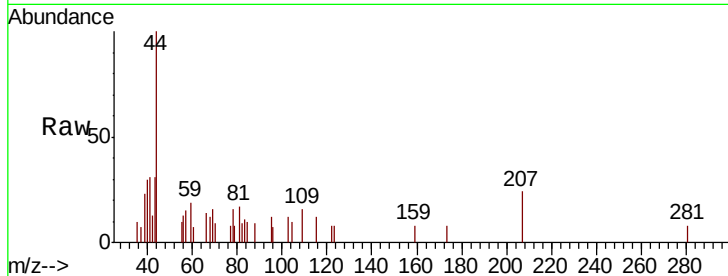
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 358.8 40.2 60.4#

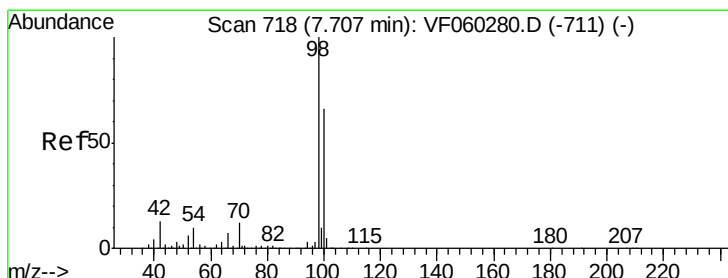
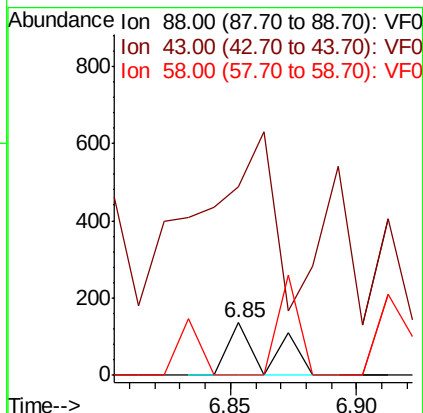
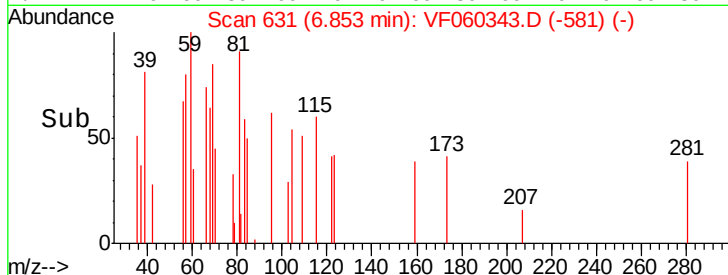
58 0.0 56.7 85.1#



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: 42.414 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060343.D

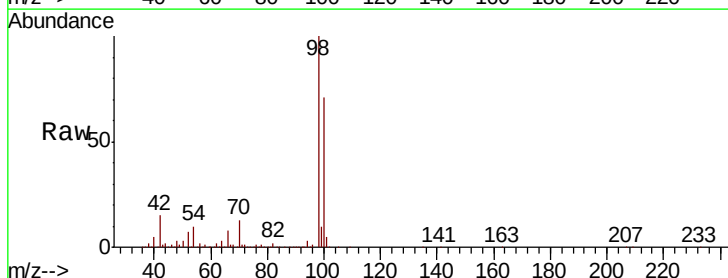
Acq: 25 Sep 2018 23:46

Tgt Ion: 98 Resp: 1120561

Ion Ratio Lower Upper

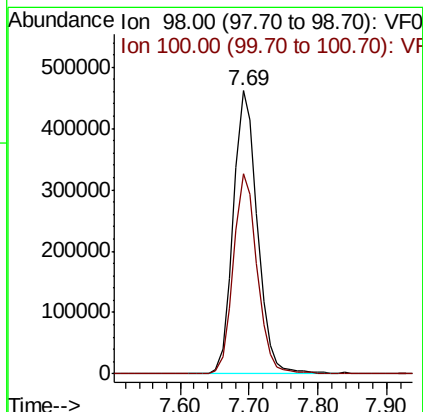
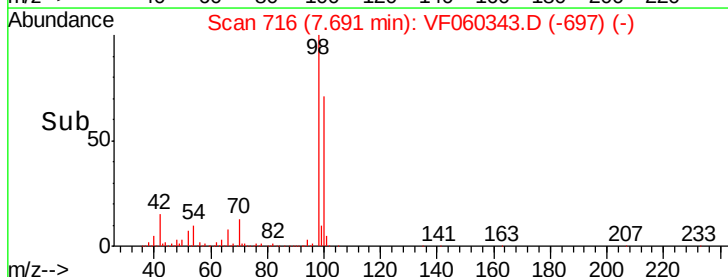
98 100

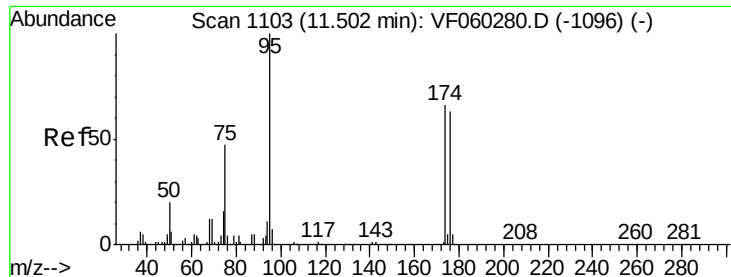
100 70.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

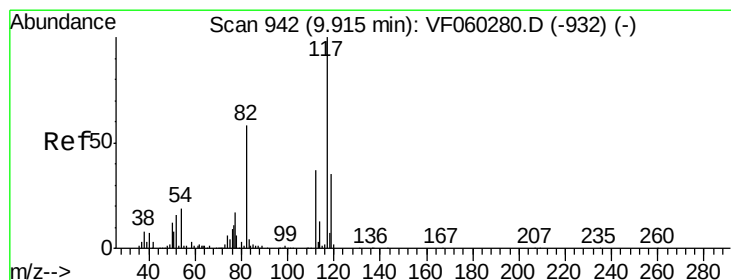
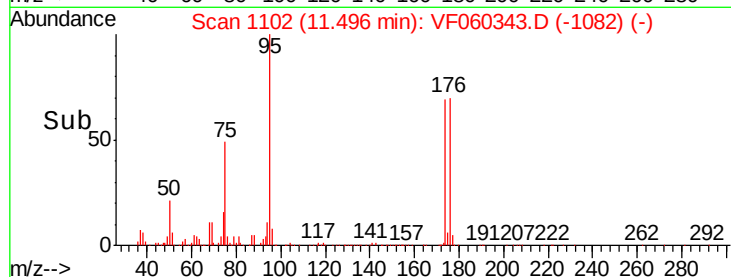
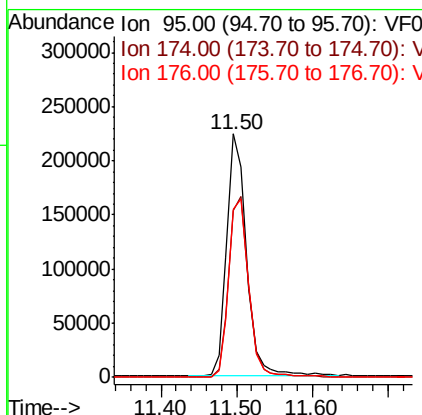
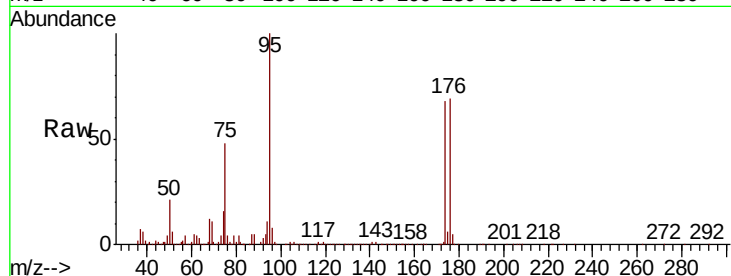




#62
4-Bromofluorobenzene
Concen: 35.345 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

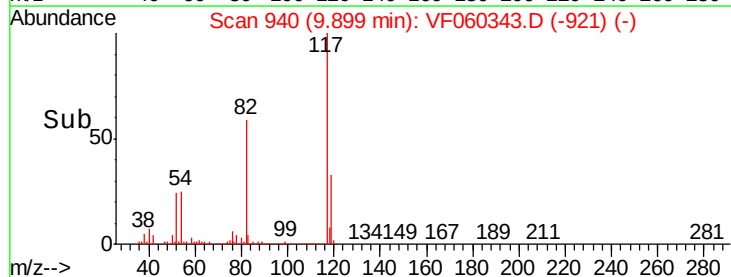
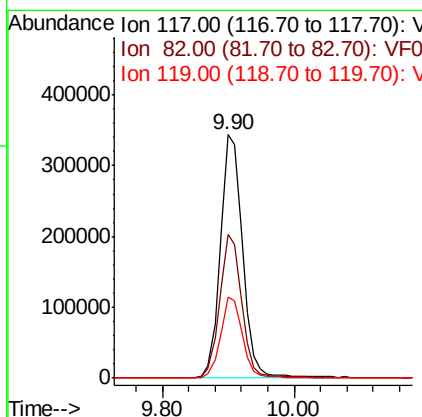
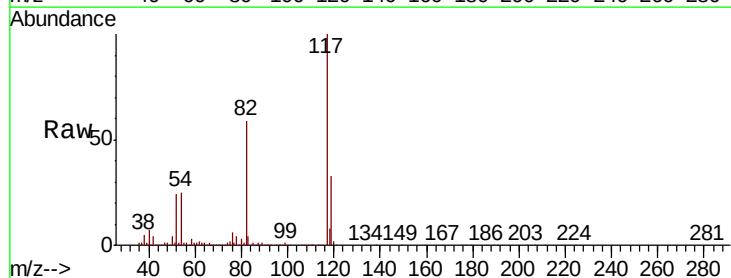
Instrument :
MSVOA_F
ClientSampleId :
OR-01-092418-A

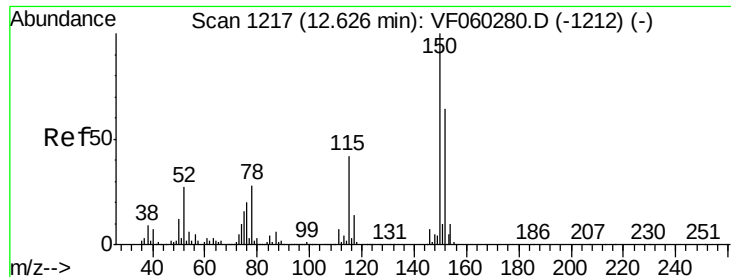
Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	131.2
176	69.1	0.0	126.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.2	69.2
119	33.1	27.8	41.6



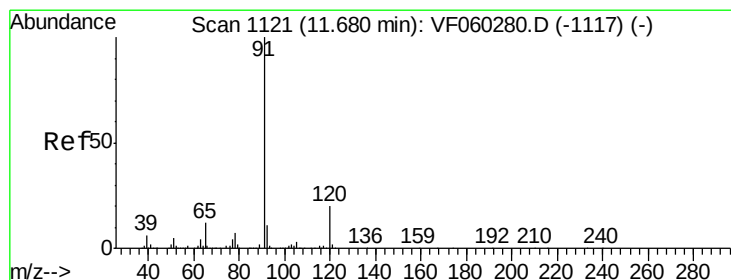
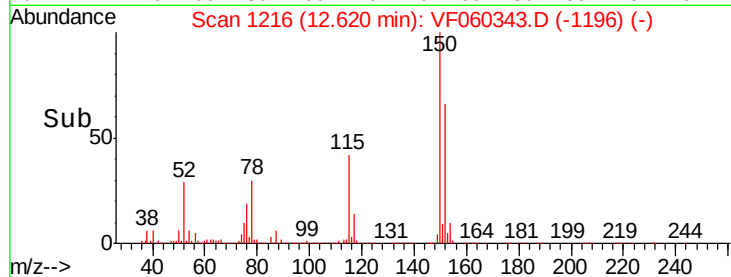
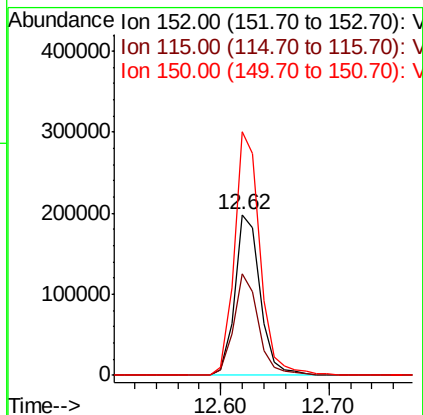
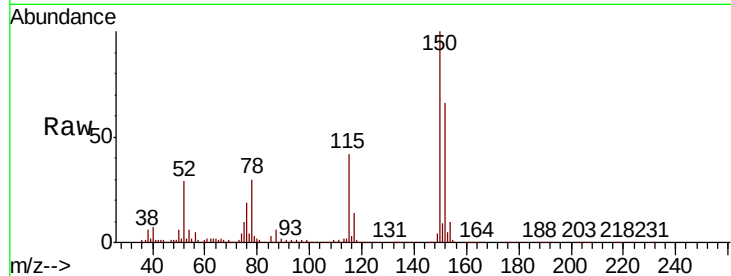


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

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

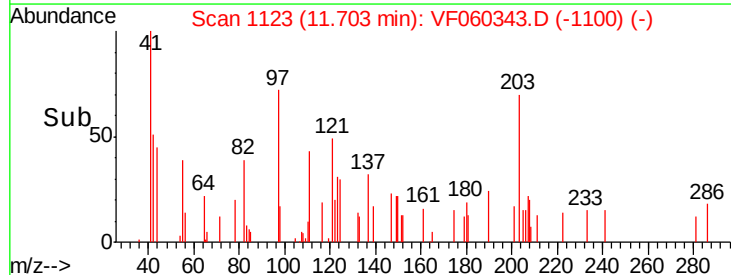
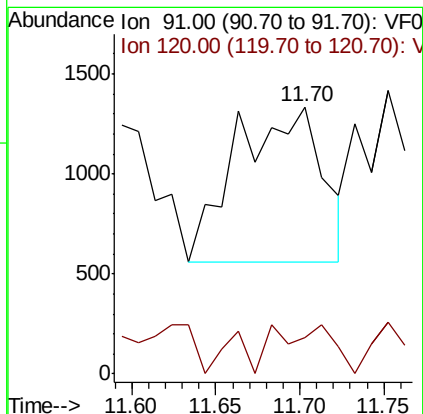
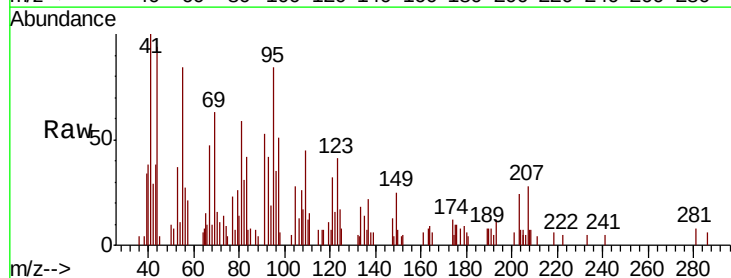
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	32.6	97.8
150	151.4	0.0	314.2

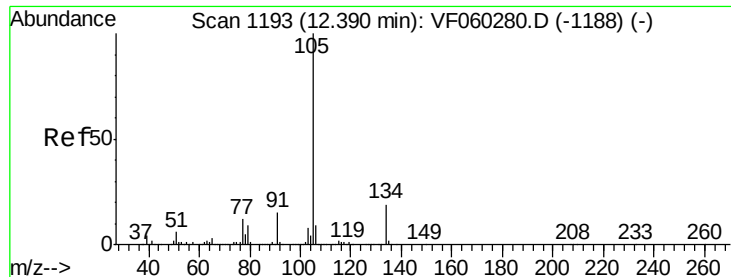


#78

n-propylbenzene
Concen: Below Cal
RT: 11.70 min Scan# 1123
Delta R.T. 0.02 min
Lab File: VF060343.D
Acq: 25 Sep 2018 23:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	13.9	10.0	29.8





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.37 min Scan# 1191

Delta R.T. -0.02 min

Lab File: VF060343.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_F

ClientSampleId :

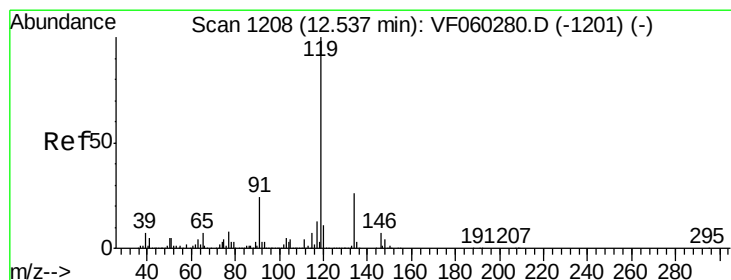
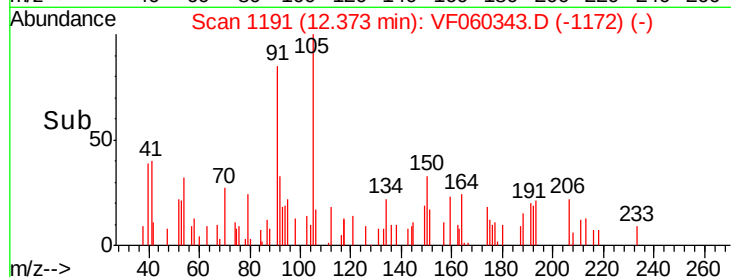
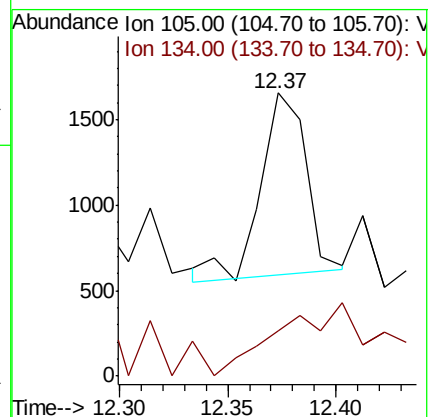
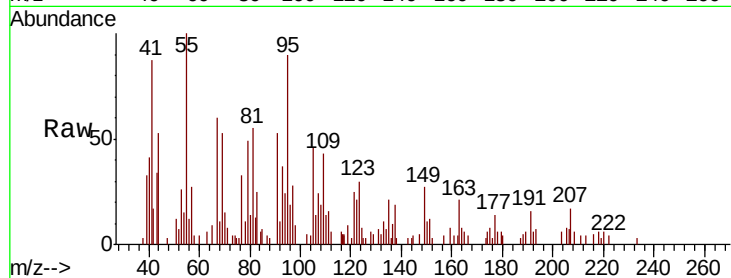
OR-01-092418-A

Tgt Ion:105 Resp: 1553

Ion Ratio Lower Upper

105 100

134 16.1 9.6 28.6



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060343.D

Acq: 25 Sep 2018 23:46

Tgt Ion:119 Resp: 2275

Ion Ratio Lower Upper

119 100

134 20.3 12.9 38.7

91 80.5 11.9 35.7#

