

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060334.D
 Acq On : 25 Sep 2018 19:35
 Operator : VA/AP
 Sample : J4779-05
 Misc : 7.34/5mL/MSVOA_F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-092418-A

Quant Time: Sep 26 01:47:05 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	5.02	168	267057	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	456540	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	402056	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	207754	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	223531	62.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.32%	
35) Dibromofluoromethane	4.27	113	233109	57.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	114.56%	
50) Toluene-d8	7.69	98	492504	46.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.50	95	226474	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

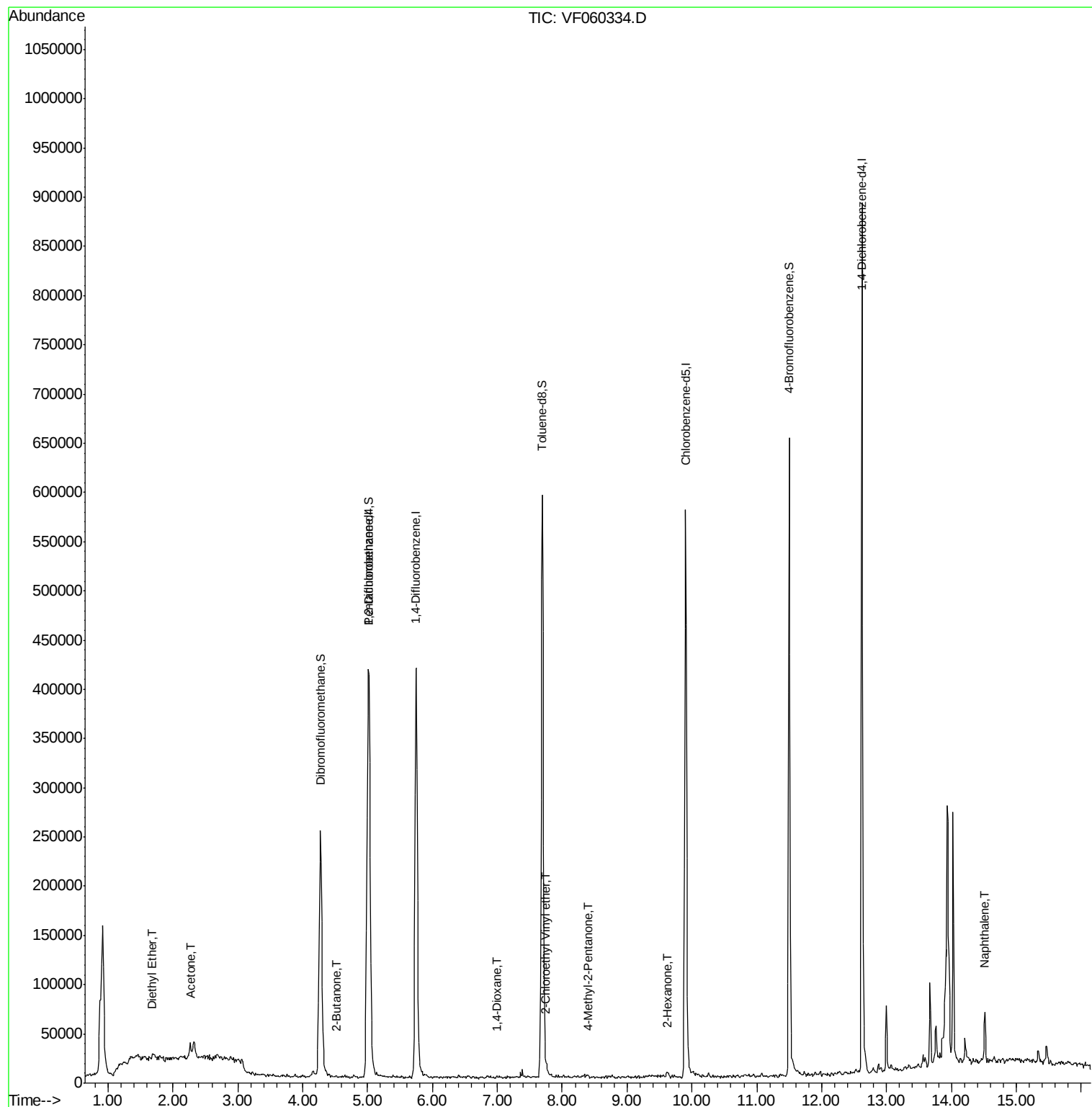
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	245	Below Cal	#	12
5) Bromomethane	1.36	94	685	Below Cal		98
8) Diethyl Ether	1.69	74	2043	1.777	ug/l	100
11) Tert butyl alcohol	2.68	59	2809	Below Cal	#	60
13) Acrolein	2.10	56	377	Below Cal	#	1
16) Acetone	2.26	43	1492	1.473	ug/l	98
17) Carbon Disulfide	1.85	76	259	Below Cal	#	1
20) Methylene Chloride	2.26	84	6224	Below Cal		95
25) 2-Butanone	4.51	43	2818	2.067	ug/l #	69
49) 1,4-Dioxane	7.00	88	67	3.683	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	4136	1.850	ug/l #	60
58) 2-Chloroethyl Vinyl ether	7.75	63	358	1.352	ug/l	100
59) 2-Hexanone	9.62	43	5603	3.520	ug/l	71
78) n-propylbenzene	11.68	91	1874	Below Cal	#	35
85) sec-Butylbenzene	12.28	105	2222	Below Cal		81
86) p-Isopropyltoluene	12.53	119	1989	Below Cal	#	82
89) n-Butylbenzene	12.91	91	1887	Below Cal		81
95) Naphthalene	14.51	128	29124	3.190	ug/l	99

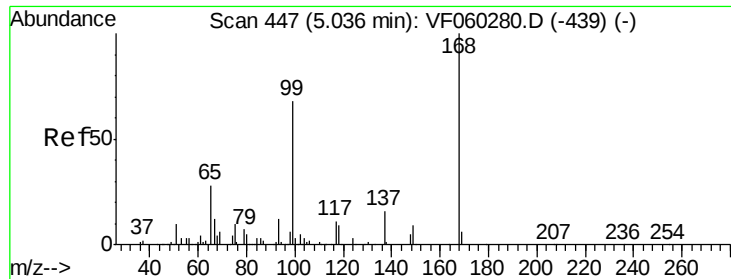
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060334.D

Acq: 25 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

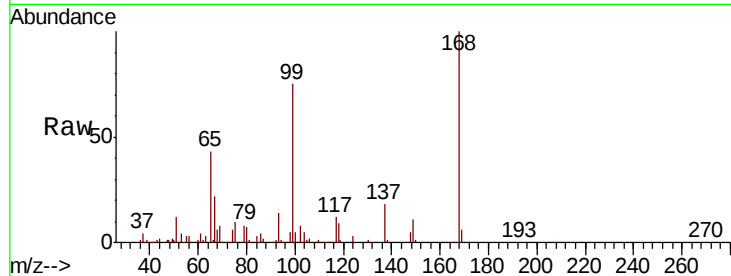
SU-02-092418-A

Tgt Ion:168 Resp: 267057

Ion Ratio Lower Upper

168 100

99 75.0 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

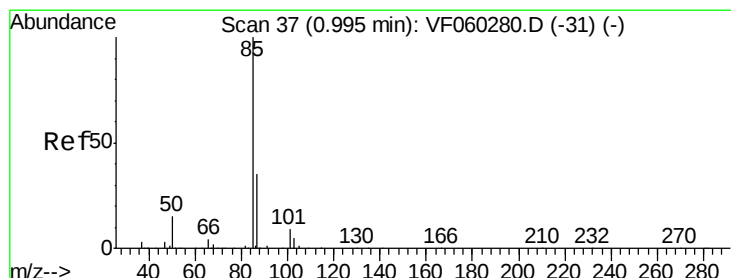
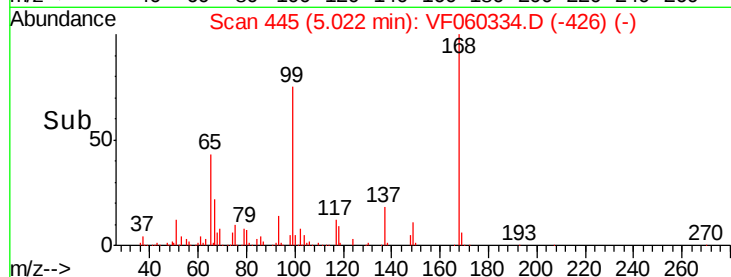
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060334.D

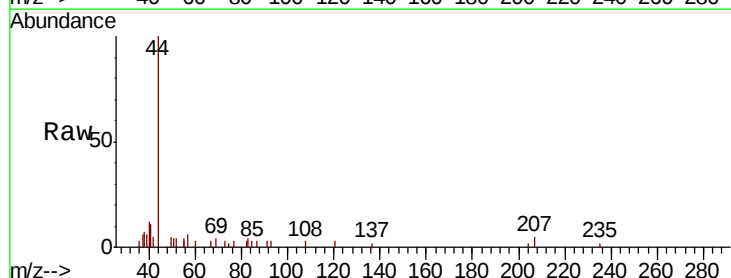
Acq: 25 Sep 2018 19:35

Tgt Ion: 85 Resp: 245

Ion Ratio Lower Upper

85 100

87 85.5 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

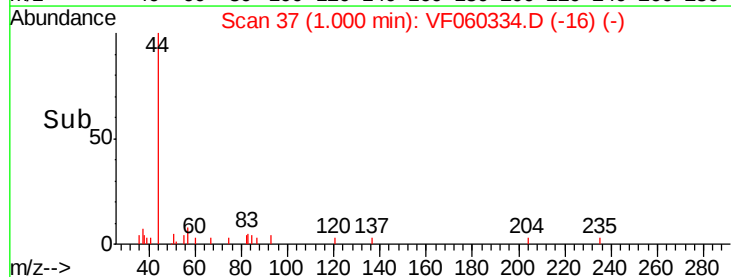
150

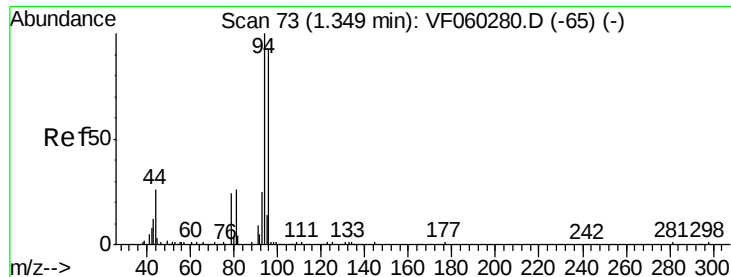
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.36 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060334.D

Acq: 25 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

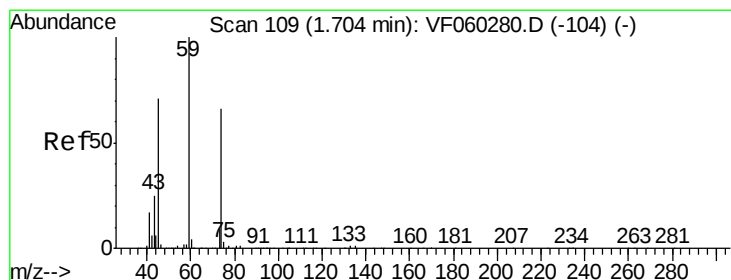
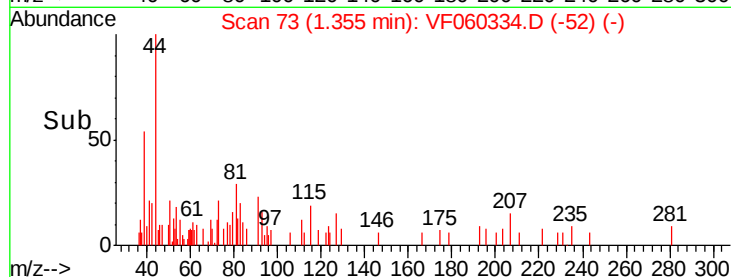
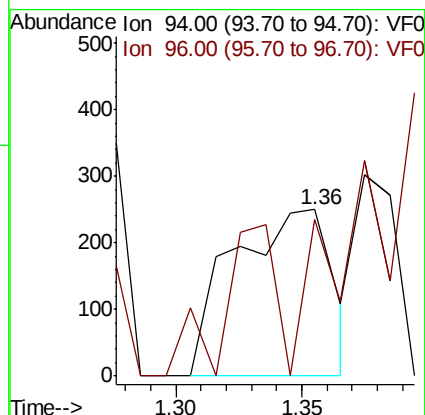
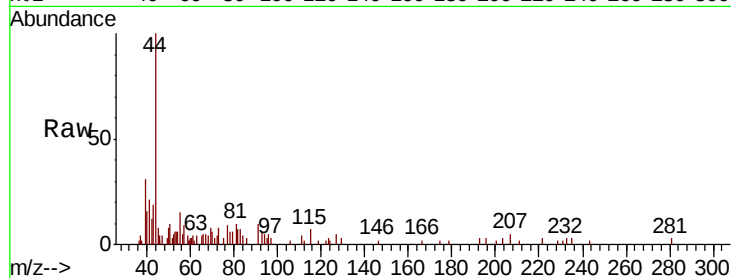
SU-02-092418-A

Tgt Ion: 94 Resp: 685

Ion Ratio Lower Upper

94 100

96 94.0 73.9 110.9



#8

Diethyl Ether

Concen: 1.777 ug/l

RT: 1.69 min Scan# 107

Delta R.T. -0.01 min

Lab File: VF060334.D

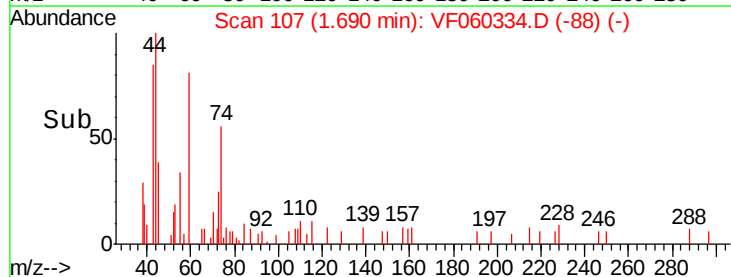
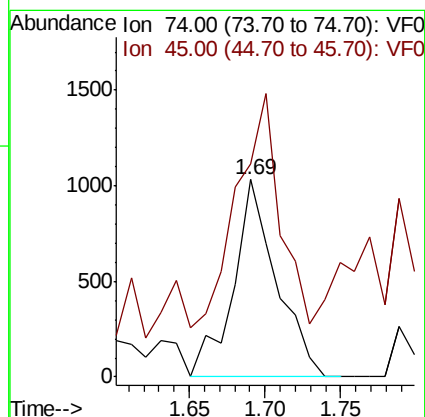
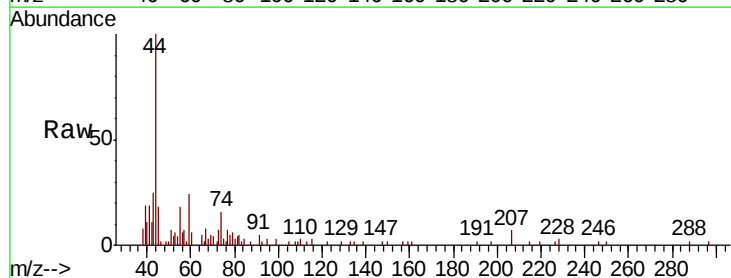
Acq: 25 Sep 2018 19:35

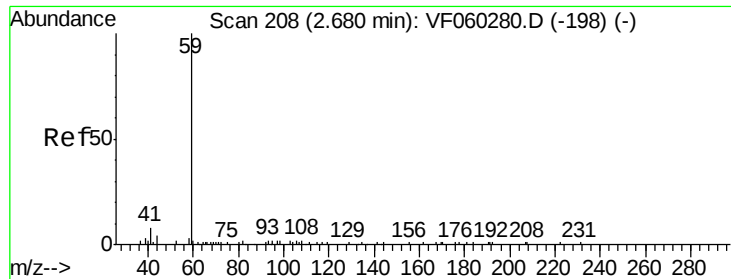
Tgt Ion: 74 Resp: 2043

Ion Ratio Lower Upper

74 100

45 107.7 53.9 161.7

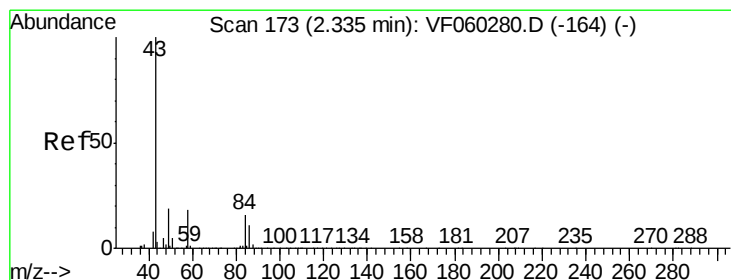
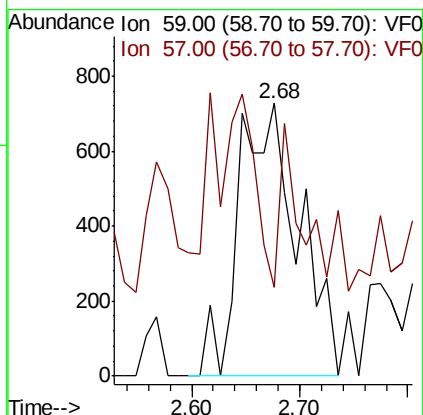
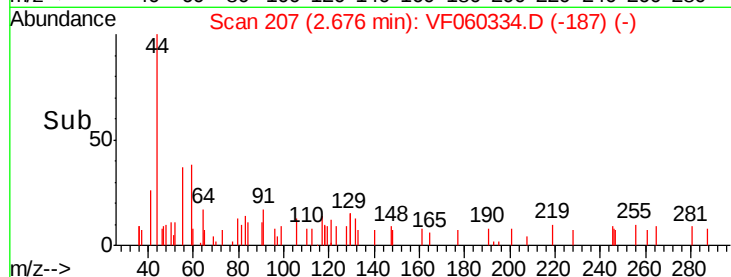
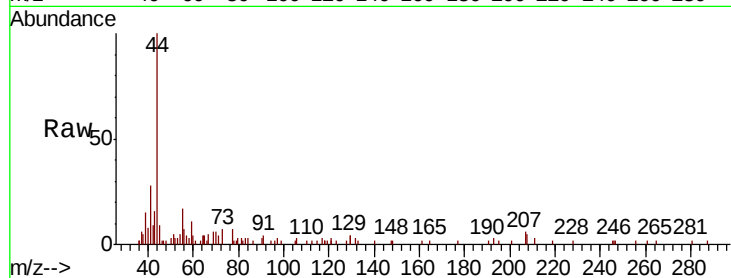




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.68 min Scan# 207
Delta R.T. -0.00 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

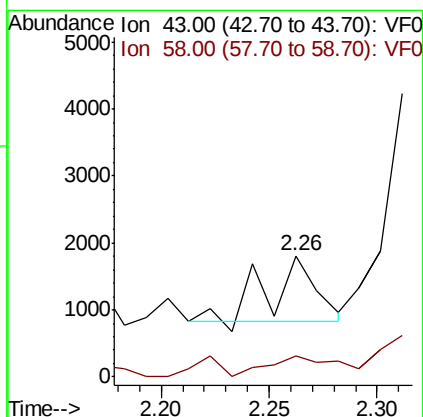
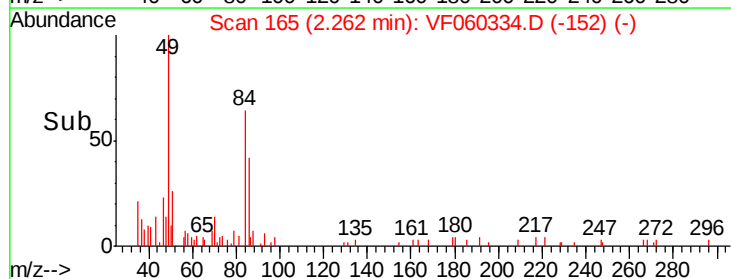
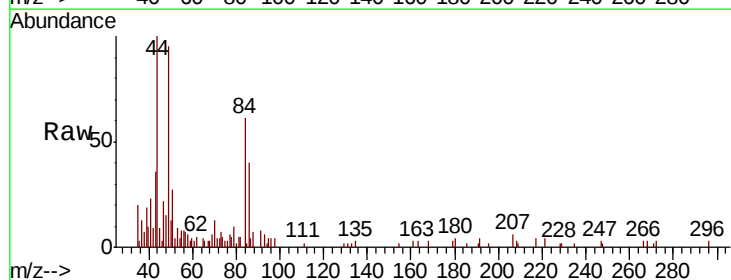
Instrument :
MSVOA_F
ClientSampleId :
SU-02-092418-A

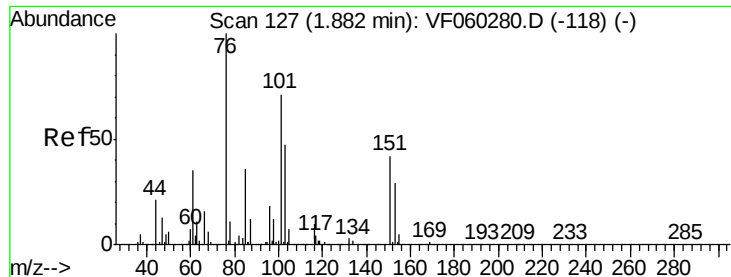
Tgt Ion: 59 Resp: 2809
Ion Ratio Lower Upper
59 100
57 32.4 12.4 18.6#



#16
Acetone
Concen: 1.473 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.07 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
58 17.1 14.5 21.7

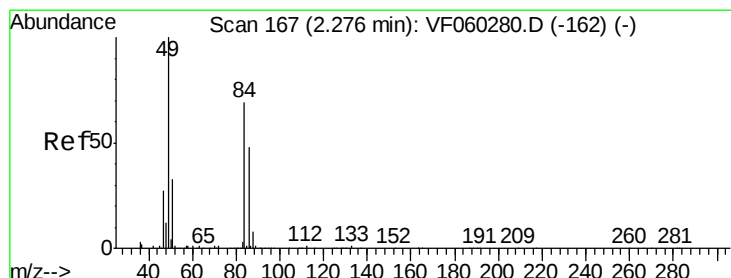
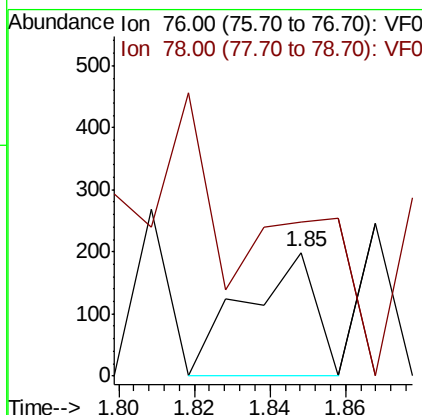
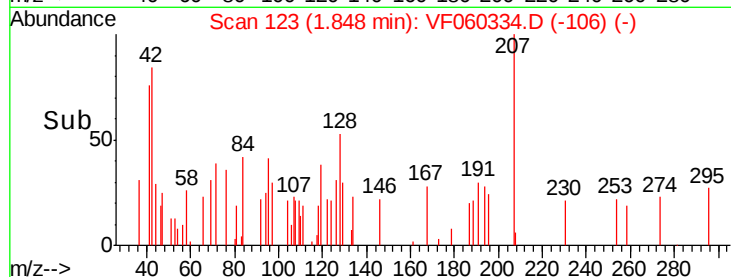
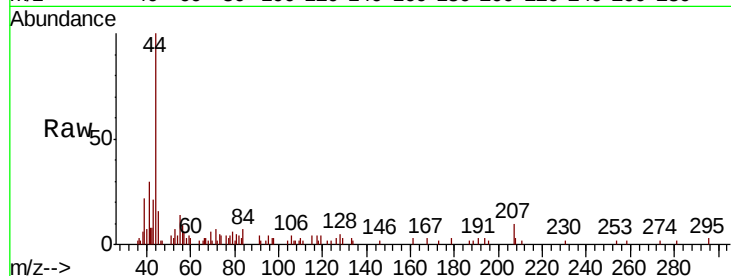




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.85 min Scan# 123
Delta R.T. -0.03 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

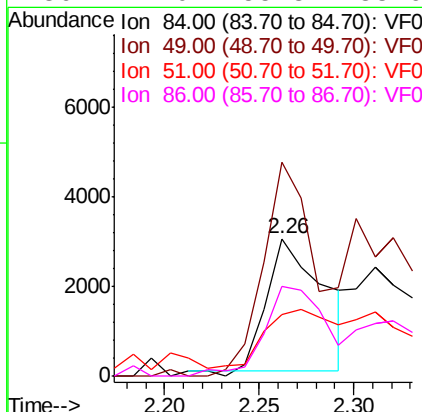
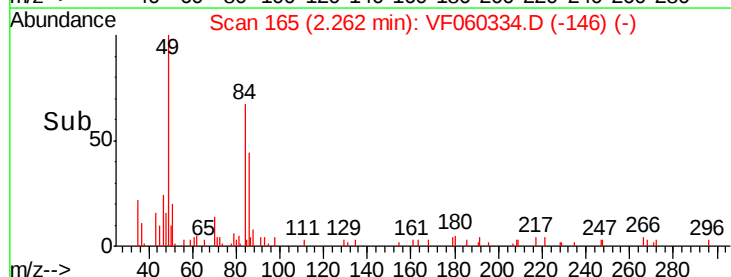
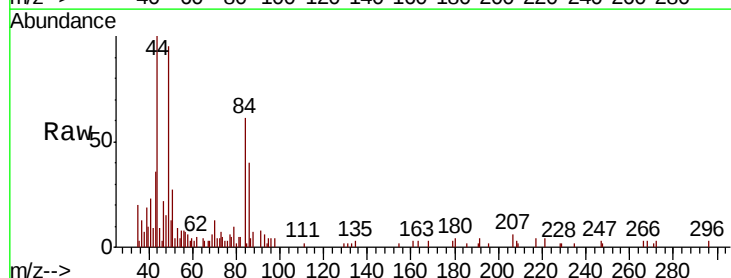
Instrument :
MSVOA_F
ClientSampleId :
SU-02-092418-A

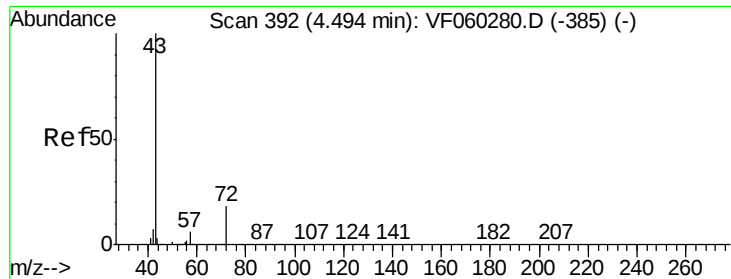
Tgt Ion: 76 Resp: 259
Ion Ratio Lower Upper
76 100
78 125.1 9.4 14.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. -0.01 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Tgt Ion: 84 Resp: 6224
Ion Ratio Lower Upper
84 100
49 155.5 118.3 177.5
51 44.7 38.7 58.1
86 72.0 55.8 83.6

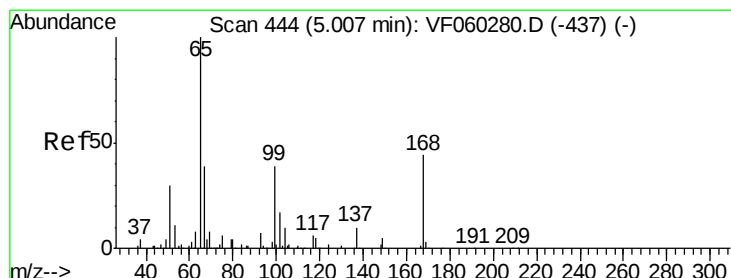
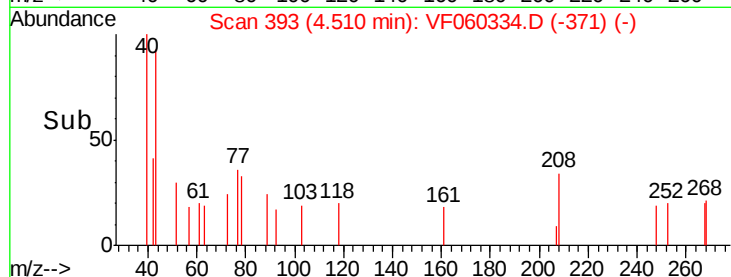
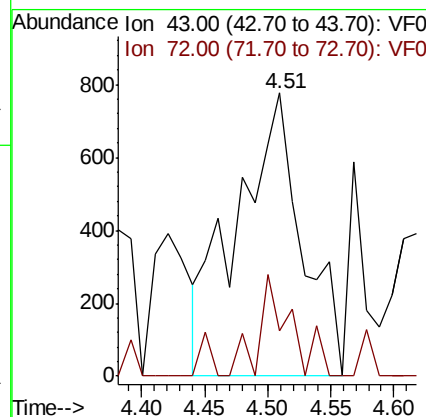
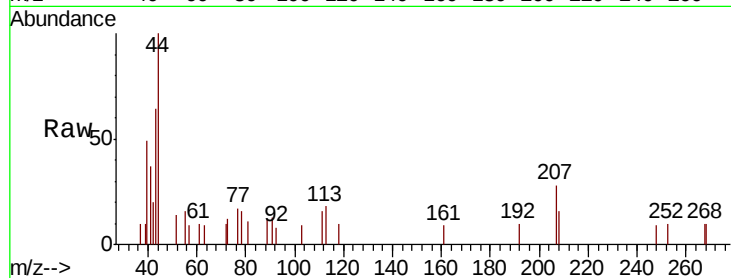




#25
 2-Butanone
 Concen: 2.067 ug/l
 RT: 4.51 min Scan# 393
 Delta R.T. 0.02 min
 Lab File: VF060334.D
 Acq: 25 Sep 2018 19:35

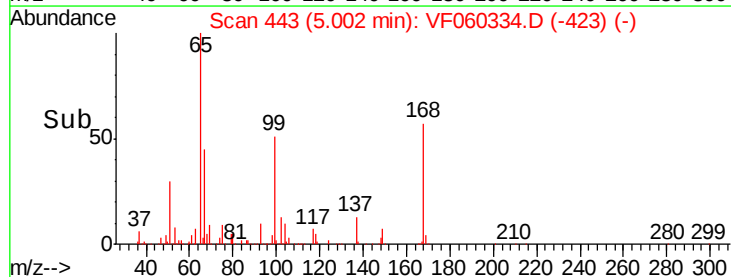
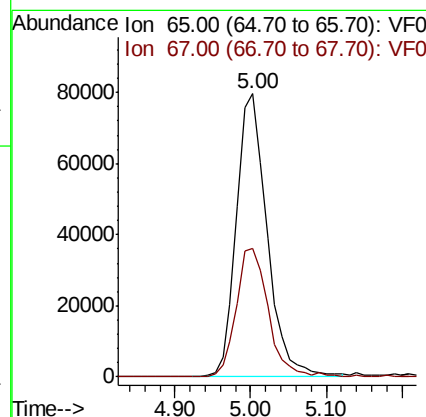
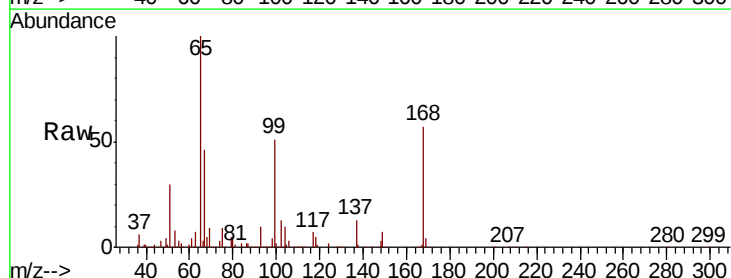
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 ClientSampleId :
 SU-02-092418-A

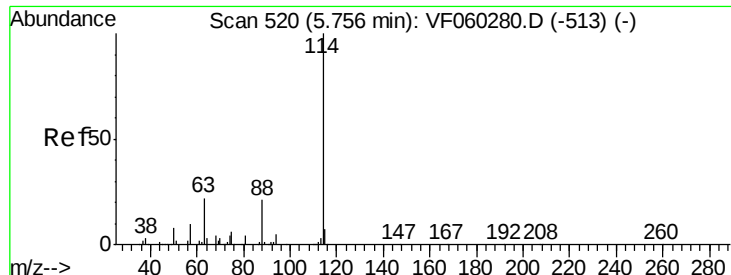
Tgt Ion: 43 Resp: 2818
 Ion Ratio Lower Upper
 43 100
 72 34.5 16.2 24.2#



#33
 1,2-Dichloroethane-d4
 Concen: 62.161 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VF060334.D
 Acq: 25 Sep 2018 19:35

Tgt Ion: 65 Resp: 223531
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 94.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.00 min

Lab File: VF060334.D

Acq: 25 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

SU-02-092418-A

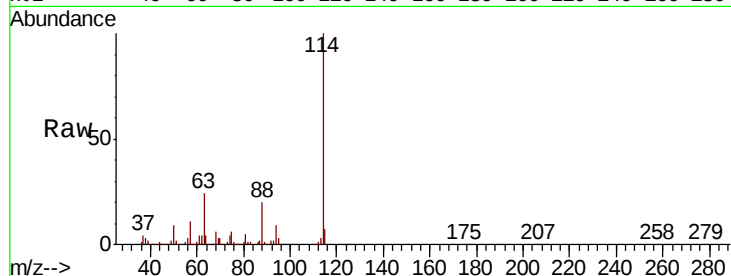
Tgt Ion:114 Resp: 456540

Ion Ratio Lower Upper

114 100

63 24.3 0.0 43.8

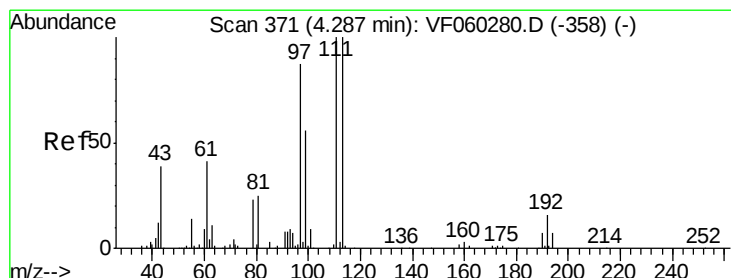
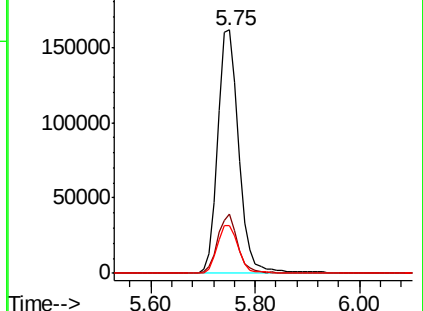
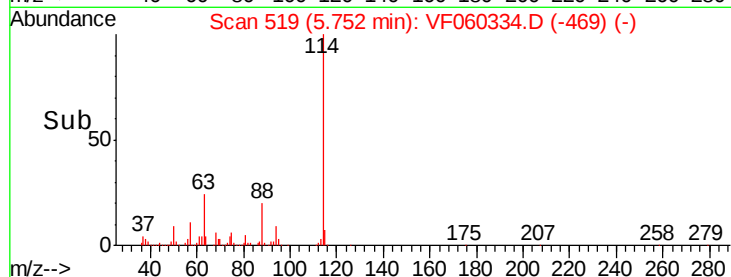
88 19.9 0.0 41.2



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: 57.279 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060334.D

Acq: 25 Sep 2018 19:35

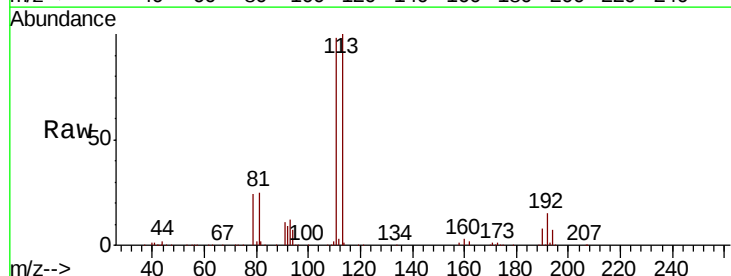
Tgt Ion:113 Resp: 233109

Ion Ratio Lower Upper

113 100

111 97.6 79.6 119.4

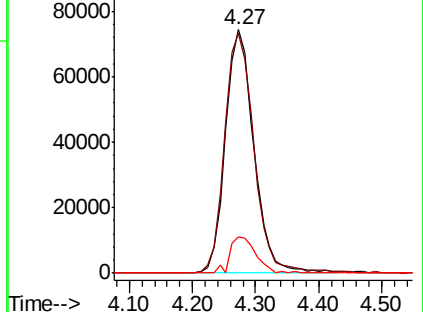
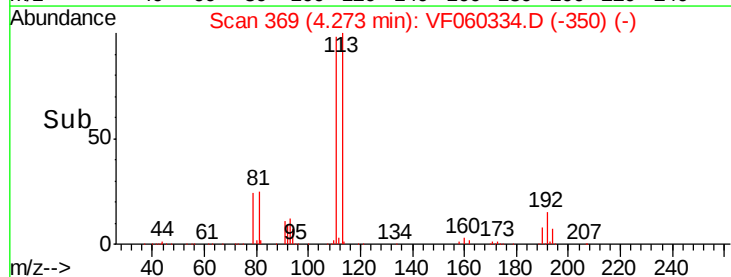
192 14.7 13.0 19.6

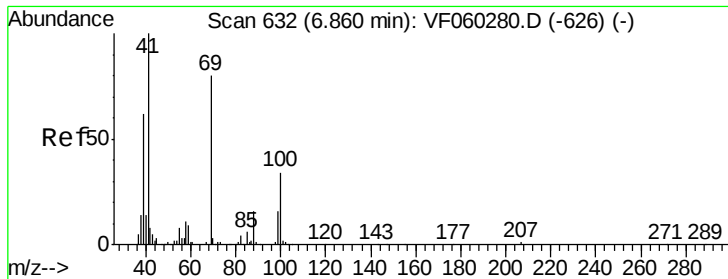


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.683 ug/l

RT: 7.00 min Scan# 646

Delta R.T. 0.14 min

Lab File: VF060334.D

Acq: 25 Sep 2018 19:35

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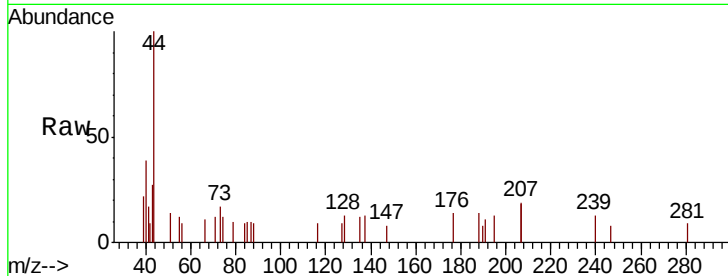
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 296.5 40.2 60.4#

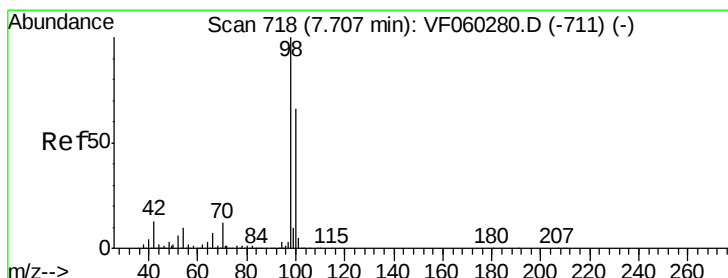
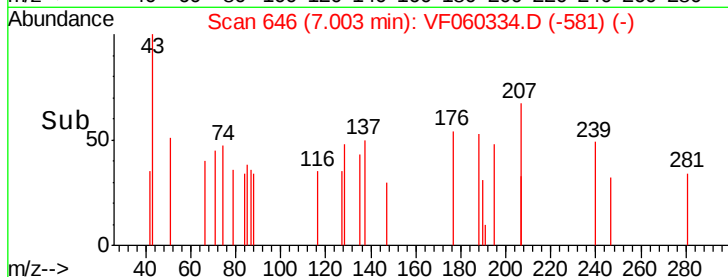
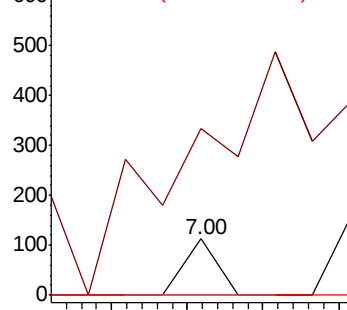
58 0.0 56.7 85.1#



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: 46.469 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.01 min

Lab File: VF060334.D

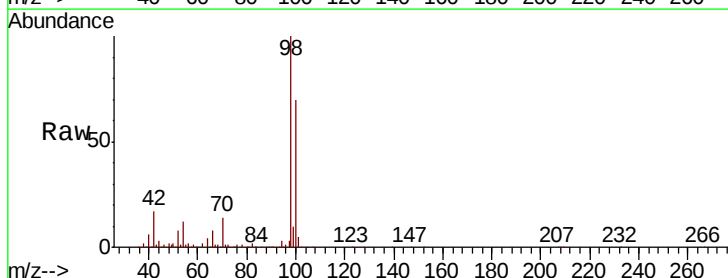
Acq: 25 Sep 2018 19:35

Tgt Ion: 98 Resp: 492504

Ion Ratio Lower Upper

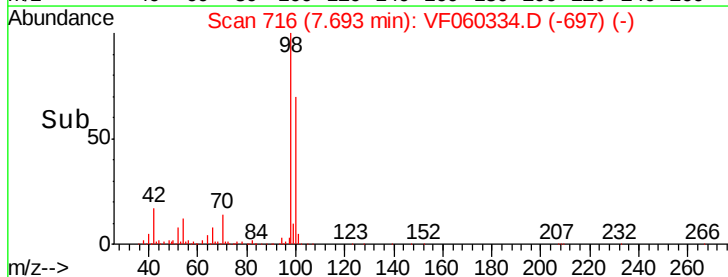
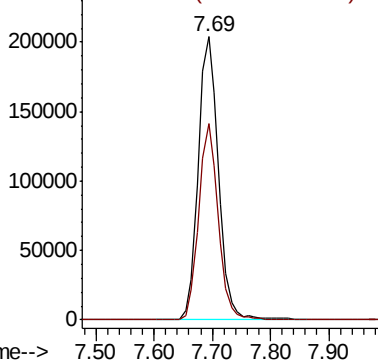
98 100

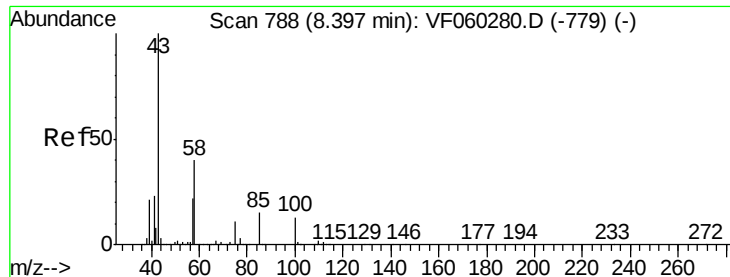
100 69.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

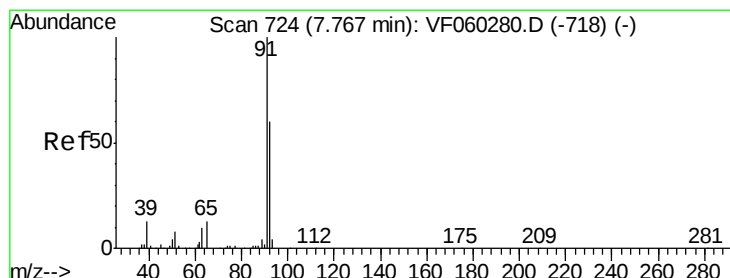
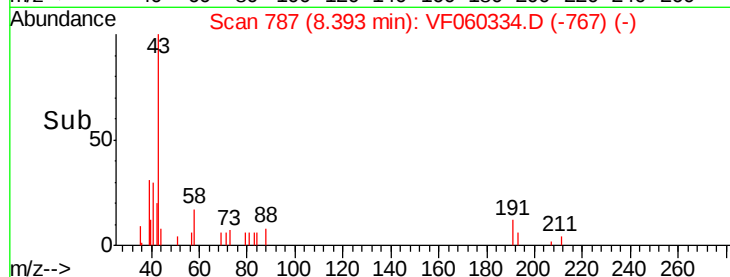
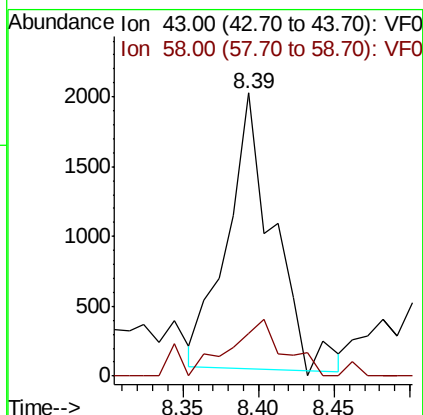
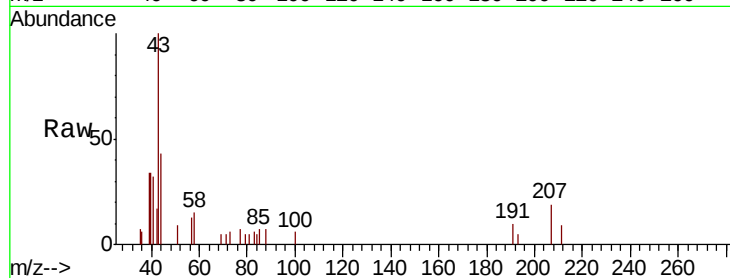




#51
 4-Methyl-2-Pentanone
 Concen: 1.850 ug/l
 RT: 8.39 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: VF060334.D
 Acq: 25 Sep 2018 19:35

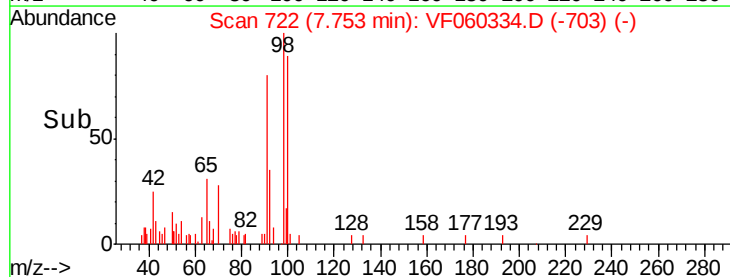
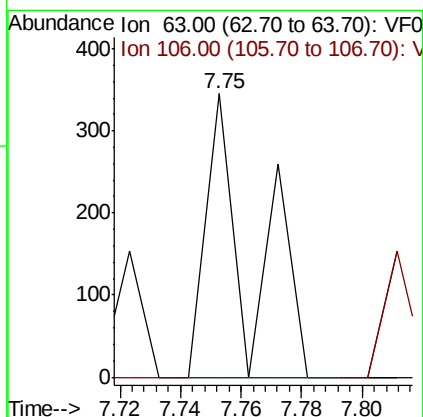
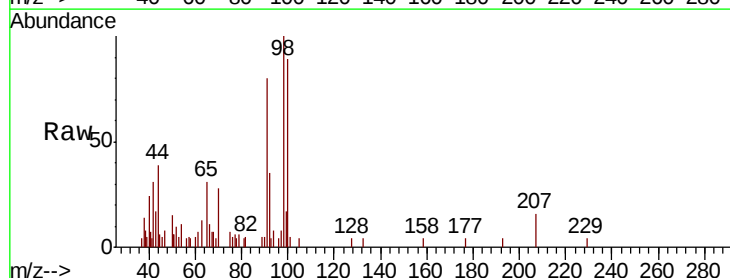
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-092418-A

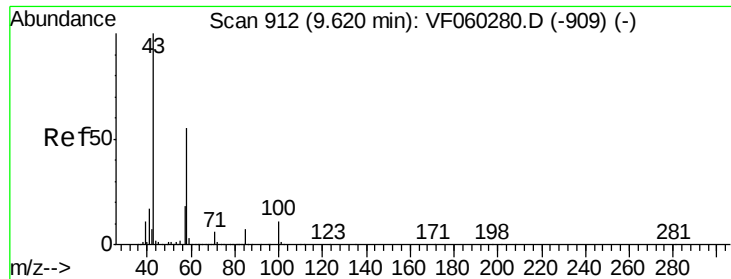
Tgt Ion: 43 Resp: 4136
 Ion Ratio Lower Upper
 43 100
 58 15.0 31.8 47.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.352 ug/l
 RT: 7.75 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VF060334.D
 Acq: 25 Sep 2018 19:35

Tgt Ion: 63 Resp: 358
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

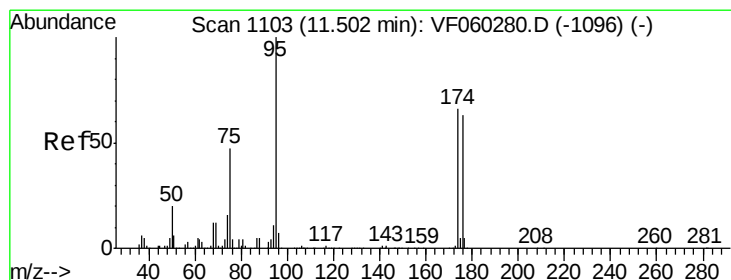
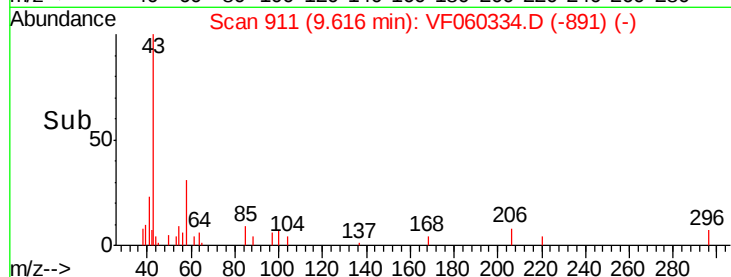
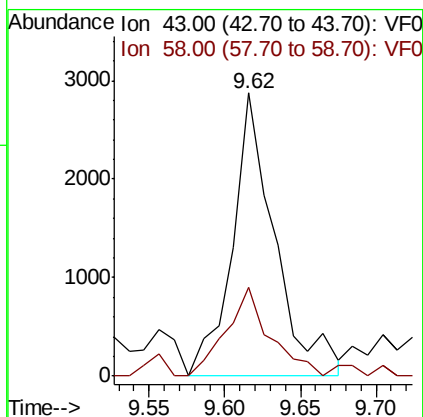
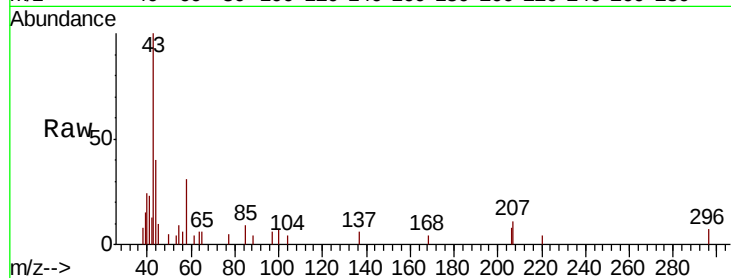




#59
2-Hexanone
Concen: 3.520 ug/l
RT: 9.62 min Scan# 911
Delta R.T. -0.00 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

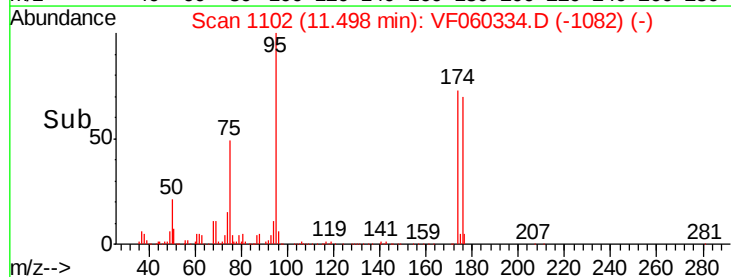
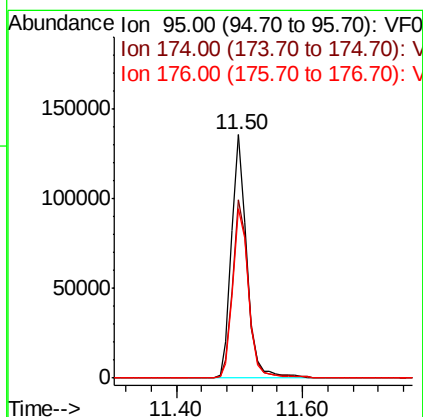
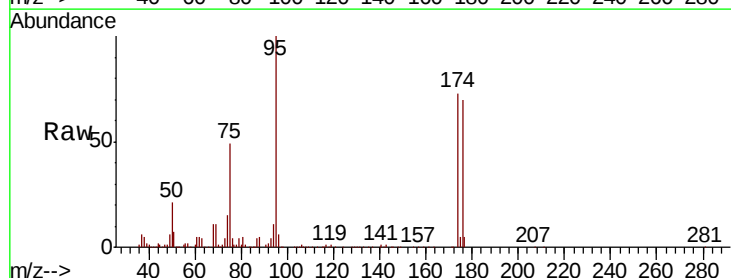
Instrument :
MSVOA_F
ClientSampleId :
SU-02-092418-A

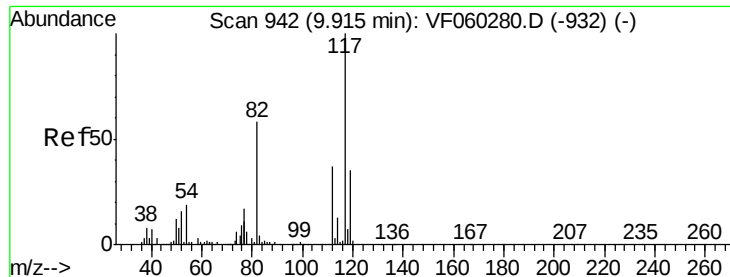
Tgt Ion: 43 Resp: 5603
Ion Ratio Lower Upper
43 100
58 31.3 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 49.434 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Tgt Ion: 95 Resp: 226474
Ion Ratio Lower Upper
95 100
174 73.2 0.0 131.2
176 69.8 0.0 126.6

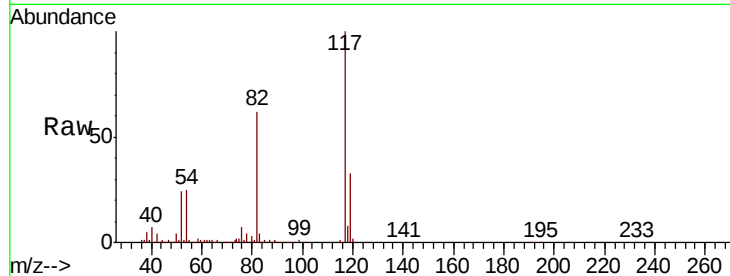




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Instrument :
MSVOA_F
ClientSampleId :
SU-02-092418-A

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.0	46.2	69.2
119	33.2	27.8	41.6

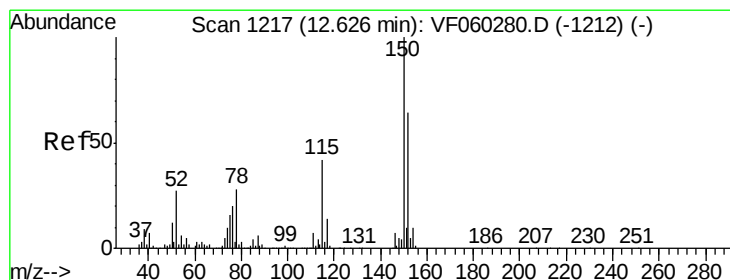
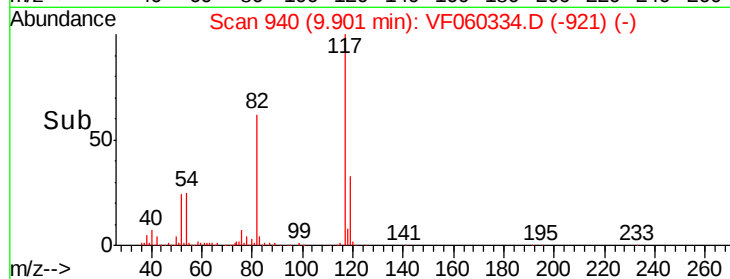
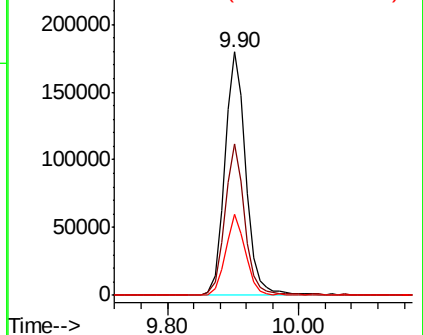


Abundance

Ion 117.00 (116.70 to 117.70): V

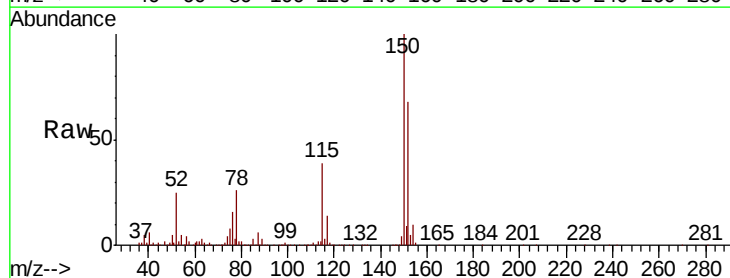
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	32.6	97.8
150	146.8	0.0	314.2

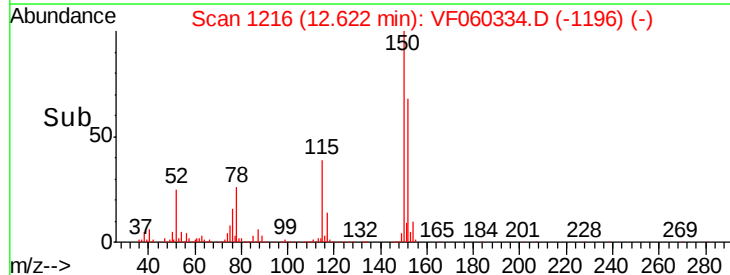
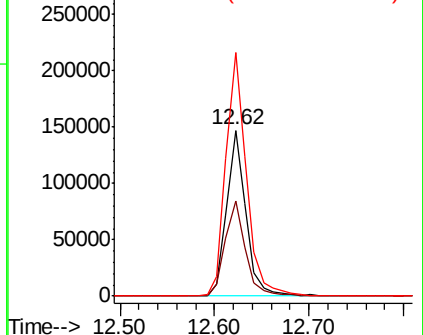


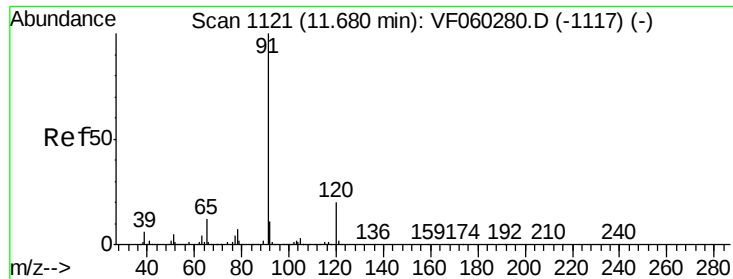
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

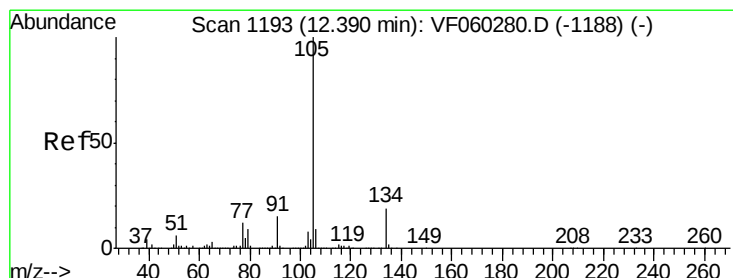
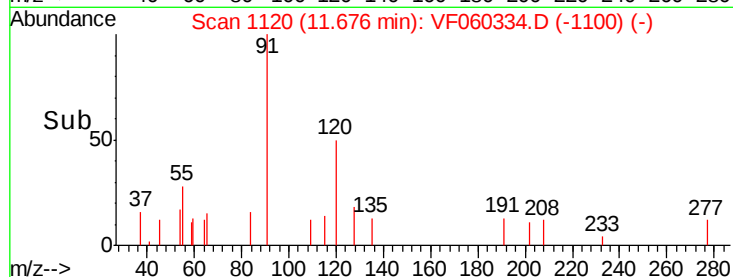
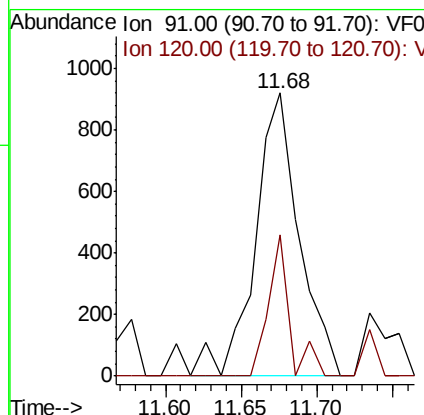
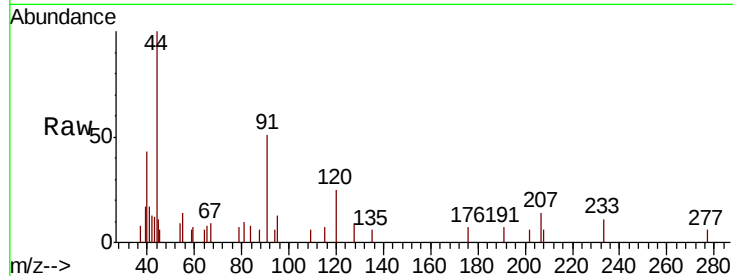




#78
n-propylbenzene
Concen: Below Cal
RT: 11.68 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

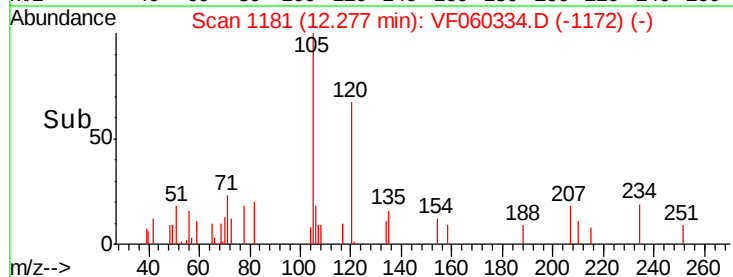
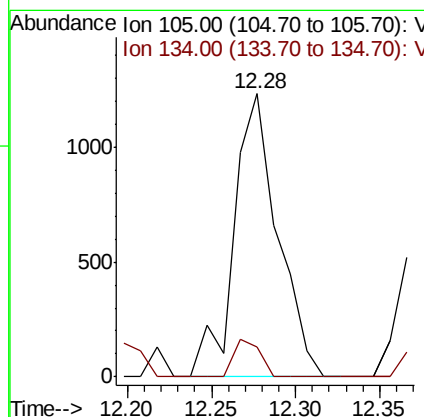
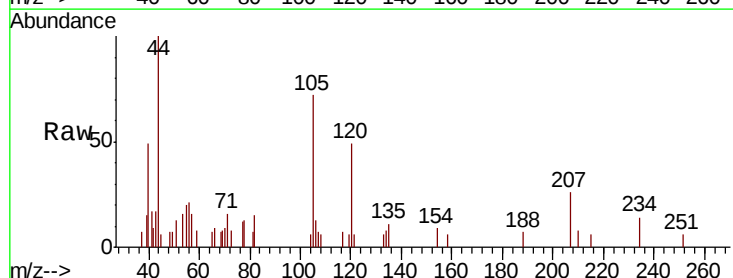
Instrument :
MSVOA_F
ClientSampleId :
SU-02-092418-A

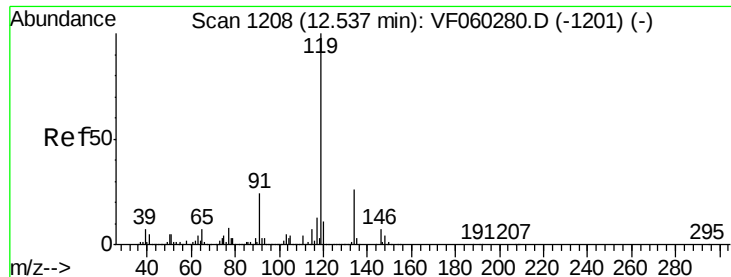
Tgt Ion: 91 Resp: 1874
Ion Ratio Lower Upper
91 100
120 49.8 10.0 29.8#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.28 min Scan# 1181
Delta R.T. -0.11 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Tgt Ion: 105 Resp: 2222
Ion Ratio Lower Upper
105 100
134 10.7 9.6 28.6

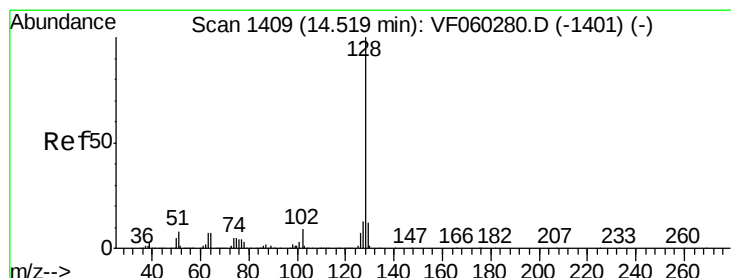
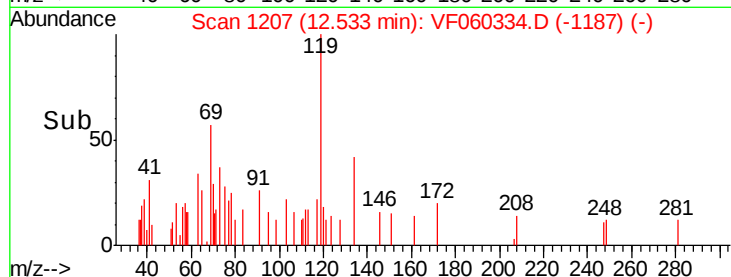
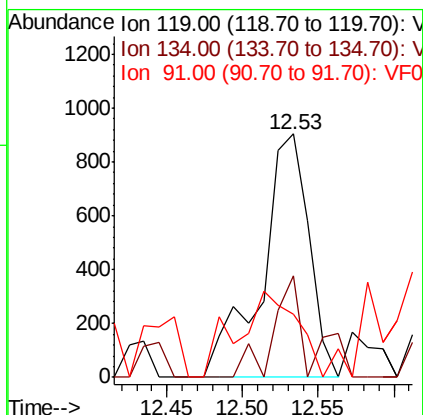
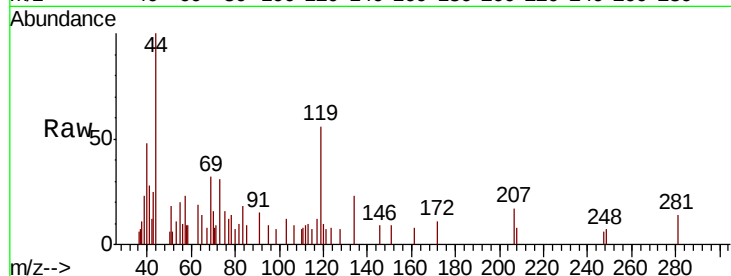




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.53 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Instrument :
MSVOA_F
ClientSampleId :
SU-02-092418-A

Tgt Ion	Ratio	Lower	Upper
119	100		
134	41.7	12.9	38.7#
91	25.9	11.9	35.7



#95
Naphthalene
Concen: 3.190 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.00 min
Lab File: VF060334.D
Acq: 25 Sep 2018 19:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	12.7	9.8	14.8

