

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060455.D
 Acq On : 5 Oct 2018 00:07
 Operator : VA/AP
 Sample : J5179-05
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 05 01:15:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	221926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	366075	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	263774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	111421	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	137785	39.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	79.36%		
35) Dibromofluoromethane	4.27	113	143257	41.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	83.32%		
50) Toluene-d8	7.69	98	228422	26.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	53.94%		
62) 4-Bromofluorobenzene	11.50	95	90887	23.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	47.00%		

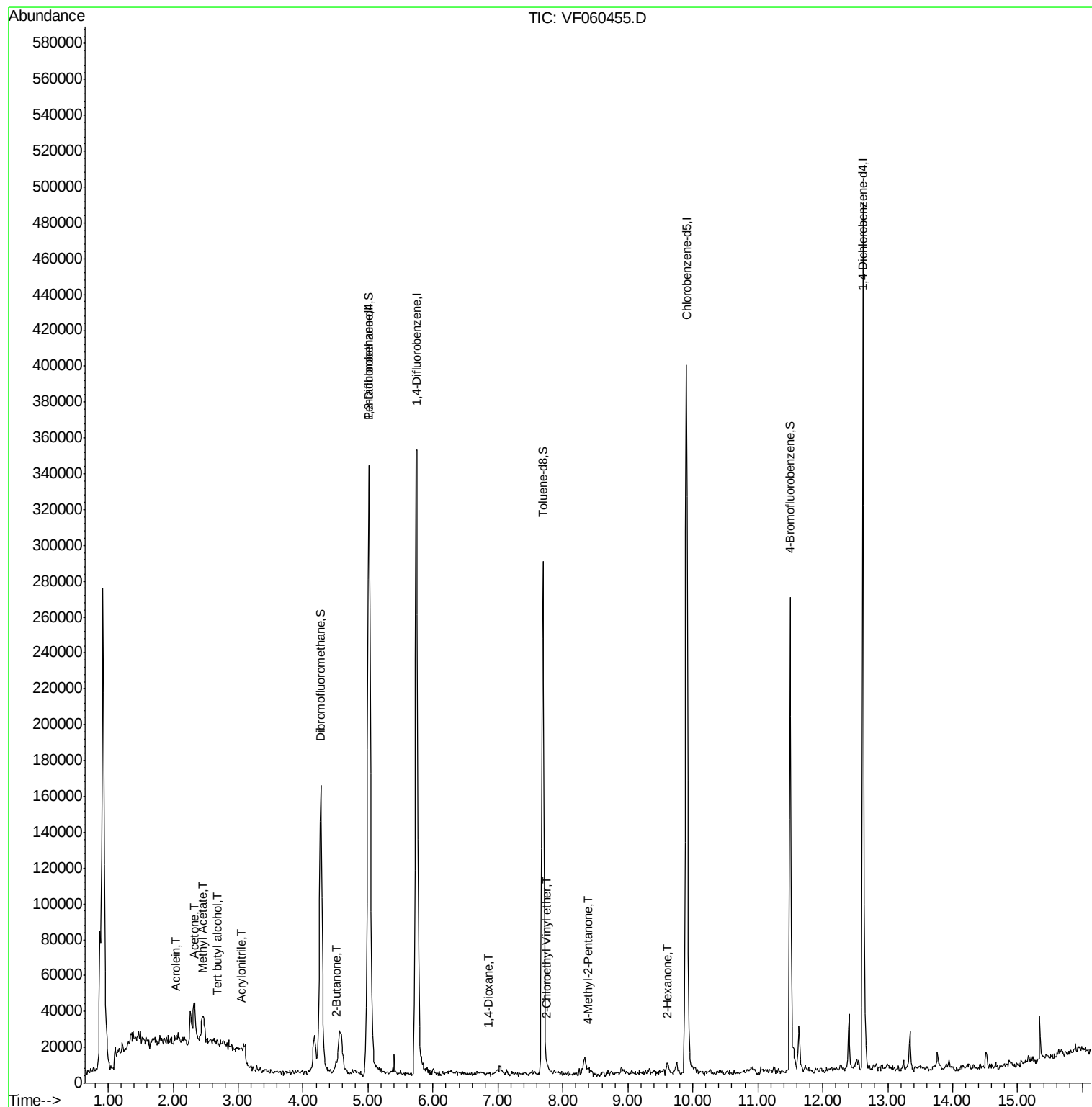
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	1063	Below Cal		95
11) Tert butyl alcohol	2.67	59	473	2.252	ug/l #	77
13) Acrolein	2.03	56	1050	6.216	ug/l	92
15) Acrylonitrile	3.06	53	409	1.136	ug/l #	27
16) Acetone	2.33	43	24221	11.224	ug/l	96
18) Methyl Acetate	2.44	43	17985	12.445	ug/l #	85
20) Methylene Chloride	2.26	84	6042	Below Cal	#	82
25) 2-Butanone	4.50	43	7324	8.145	ug/l #	76
29) Tetrahydrofuran	4.23	42	1493	Below Cal	#	57
49) 1,4-Dioxane	6.85	88	80	6.188	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	3909	2.629	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.76	63	274	1.224	ug/l	100
59) 2-Hexanone	9.60	43	4865	4.461	ug/l	96

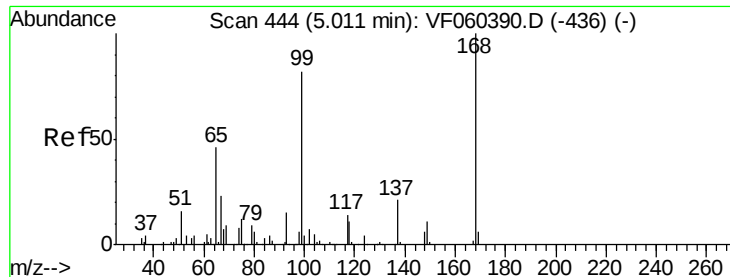
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100418\
Data File : VF060455.D
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Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 49 Sample Multiplier: 1

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MSVOA_F
ClientSampleId :

Quant Time: Oct 05 01:15:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060455.D

Acq: 5 Oct 2018 00:07

Instrument :

MSVOA_F

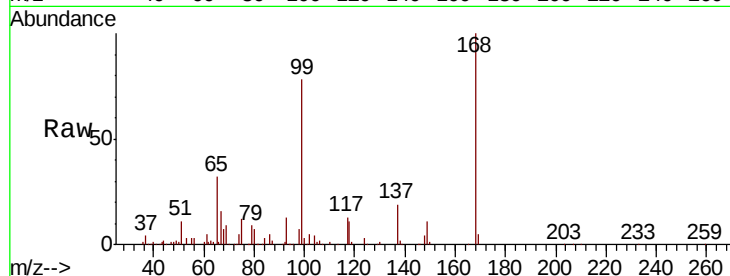
ClientSampleId :

Tot Ion:168 Resp: 221926

Ion Ratio Lower Upper

168 100

99 77.8 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

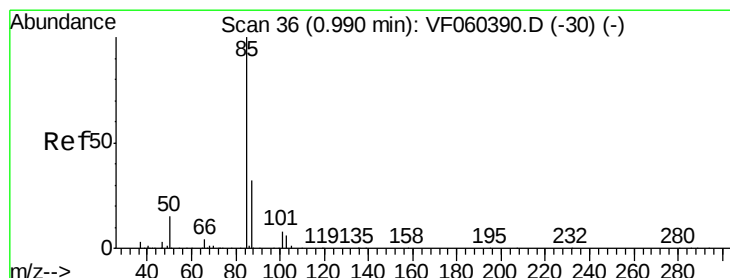
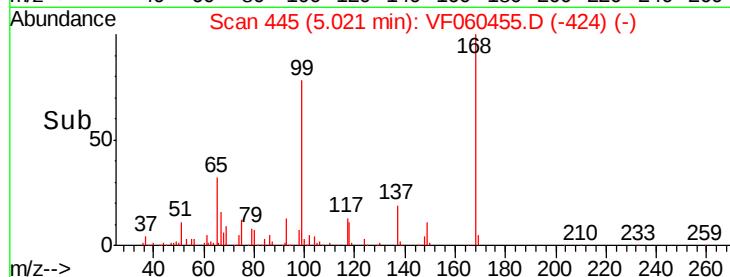
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 35

Delta R.T. -0.01 min

Lab File: VF060455.D

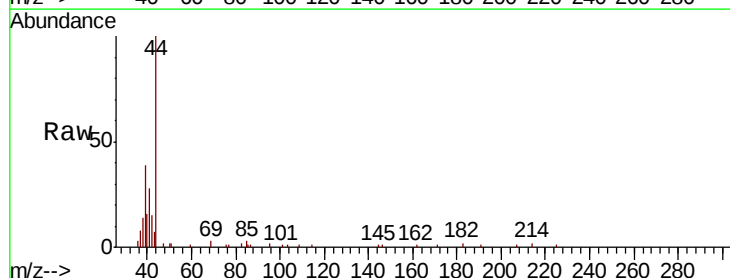
Acq: 5 Oct 2018 00:07

Tgt Ion: 85 Resp: 1063

Ion Ratio Lower Upper

85 100

87 29.1 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

400

300

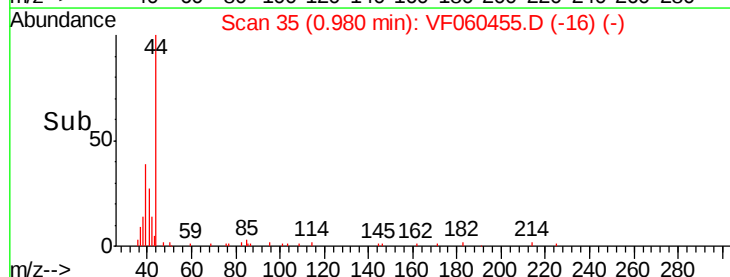
200

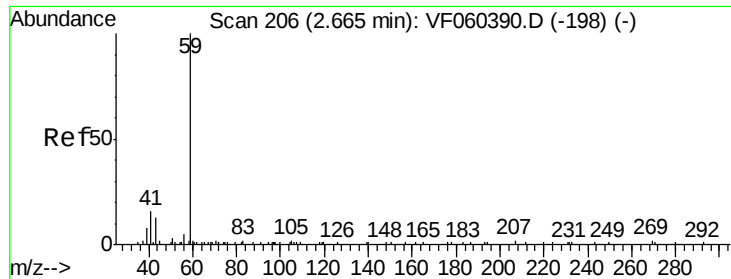
100

0

0.90 0.95 1.00 1.05

Time-->

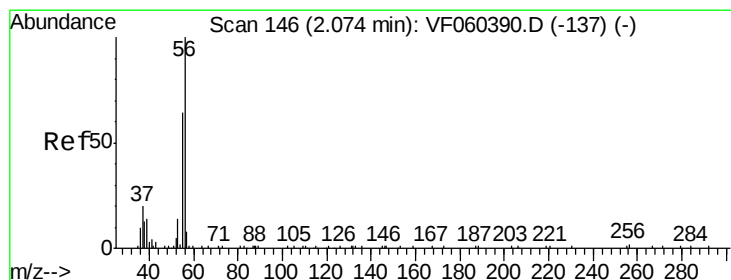
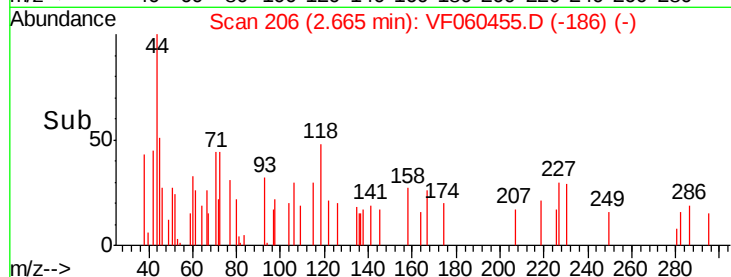
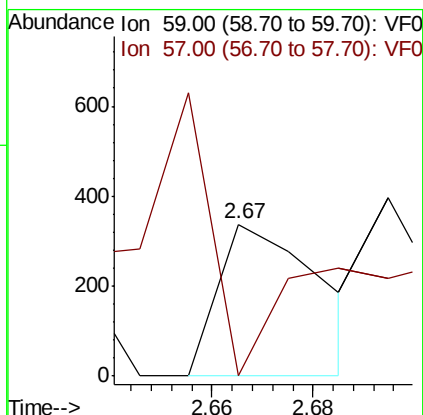
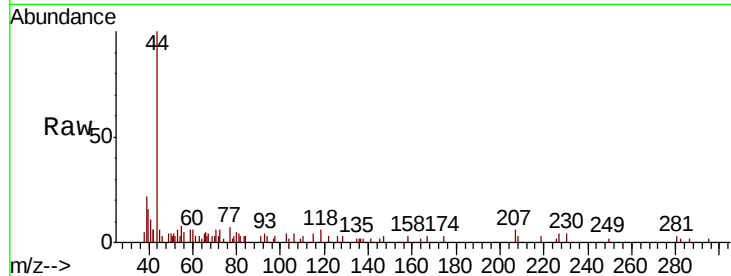




#11
Tert butyl alcohol
Concen: 2.252 ug/l
RT: 2.67 min Scan# 206
Delta R.T. -0.00 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

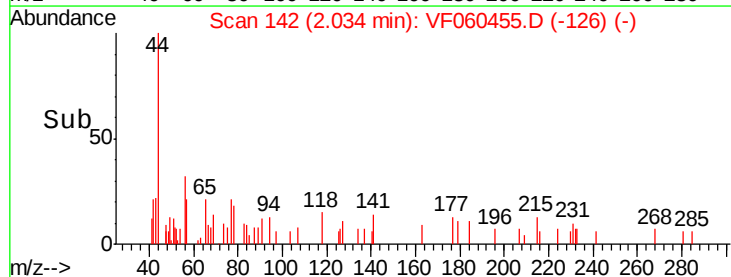
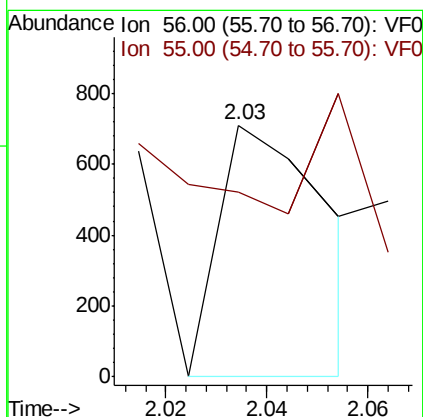
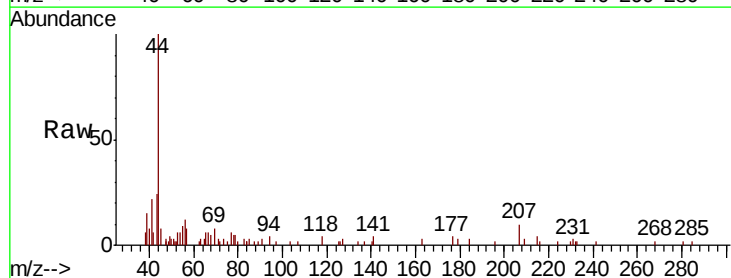
Instrument :
MSVOA_F
ClientSampled :

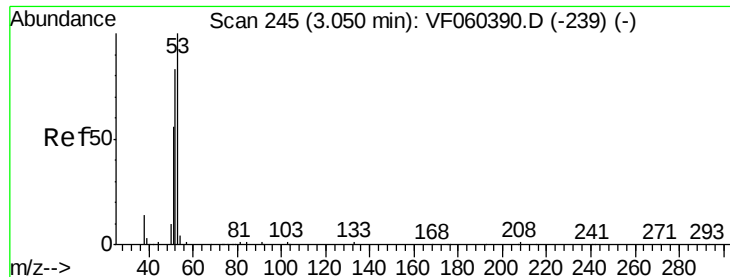
Tot Ion: 59 Resp: 473
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#13
Acrolein
Concen: 6.216 ug/l
RT: 2.03 min Scan# 142
Delta R.T. -0.04 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

Tgt Ion: 56 Resp: 1050
Ion Ratio Lower Upper
56 100
55 73.5 53.9 80.9





#15

Acrylonitrile

Concen: 1.136 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060455.D

Acq: 5 Oct 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :

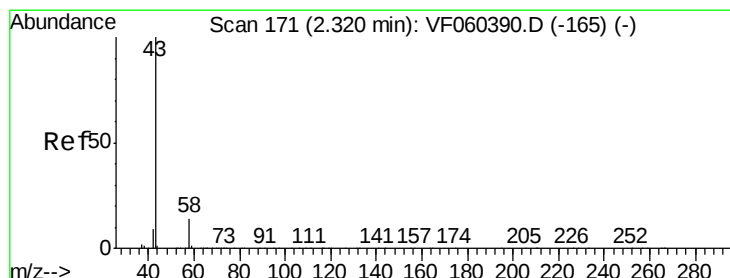
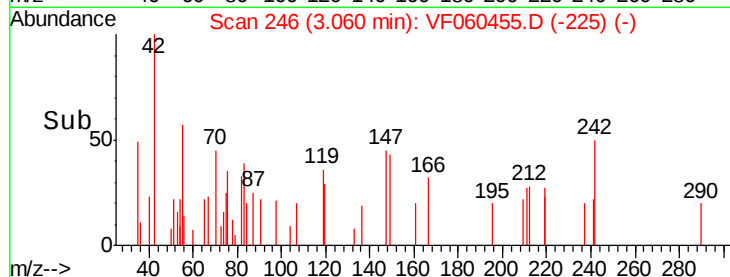
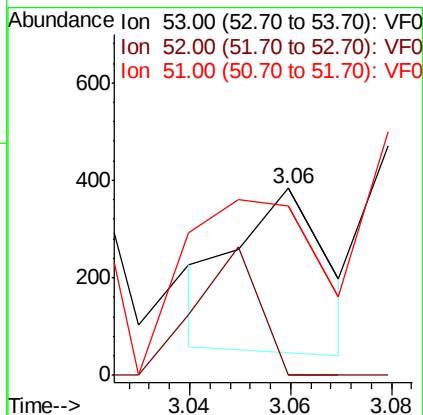
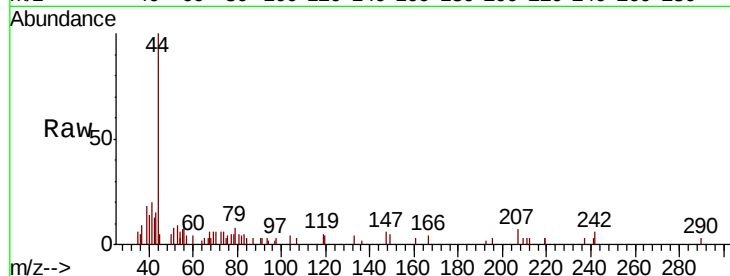
Tot Ion: 53 Resp: 409

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 90.6 45.6 68.4#



#16

Acetone

Concen: 11.224 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060455.D

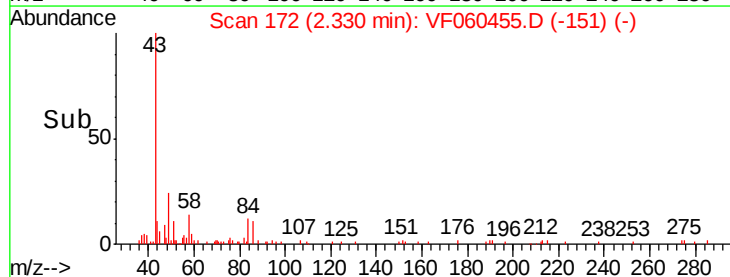
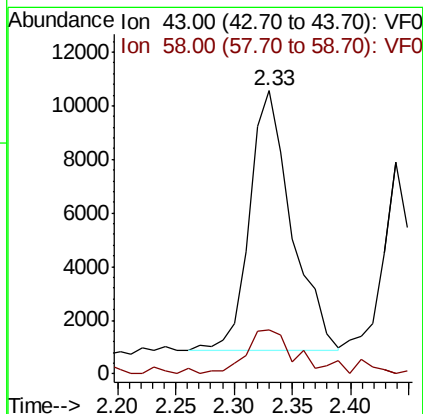
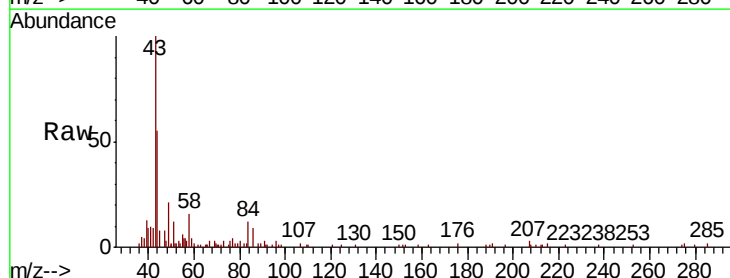
Acq: 5 Oct 2018 00:07

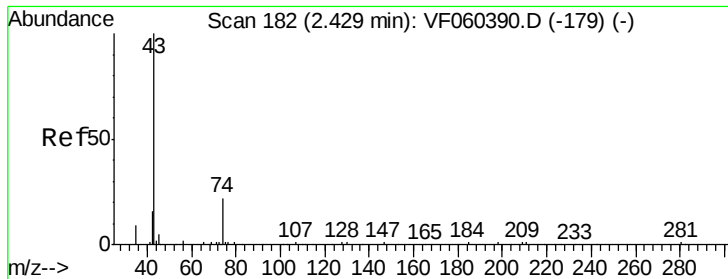
Tgt Ion: 43 Resp: 24221

Ion Ratio Lower Upper

43 100

58 15.8 11.2 16.8

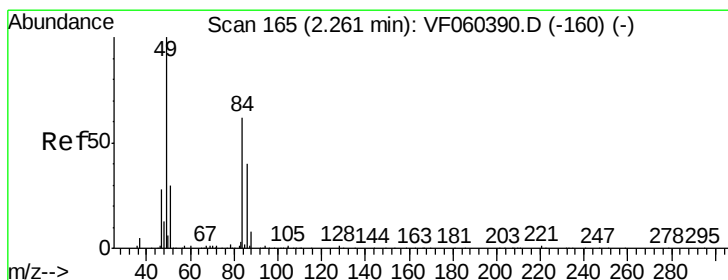
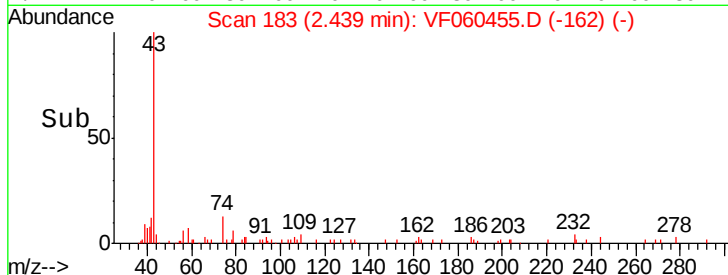
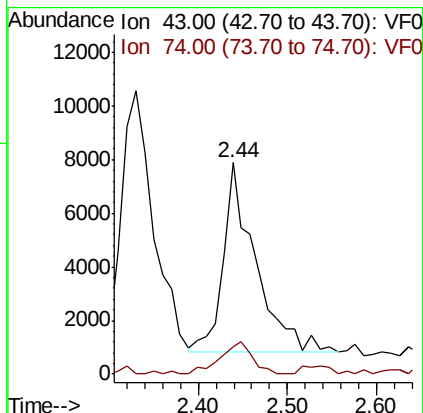
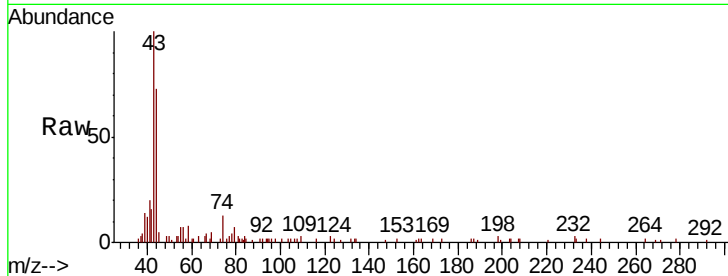




#18
Methyl Acetate
Concen: 12.445 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

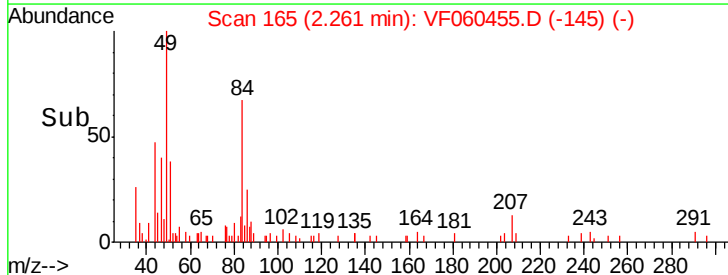
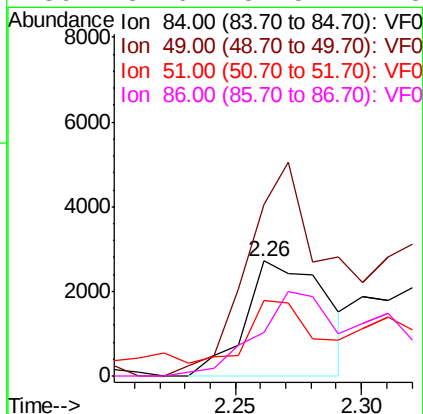
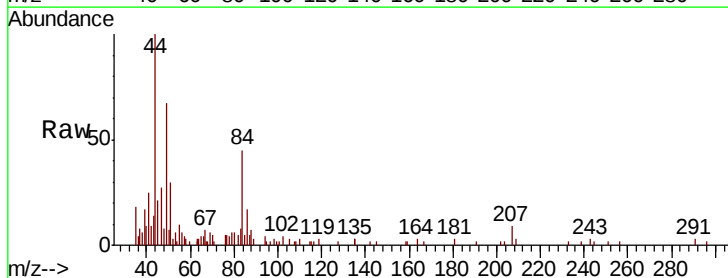
Instrument :
MSVOA_F
ClientSampleId :

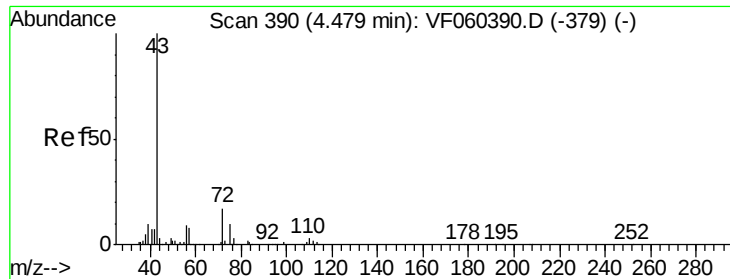
Tot Ion: 43 Resp: 17985
Ion Ratio Lower Upper
43 100
74 12.8 15.8 23.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

Tgt Ion: 84 Resp: 6042
Ion Ratio Lower Upper
84 100
49 149.6 130.2 195.2
51 66.2 41.0 61.6#
86 37.6 51.5 77.3#

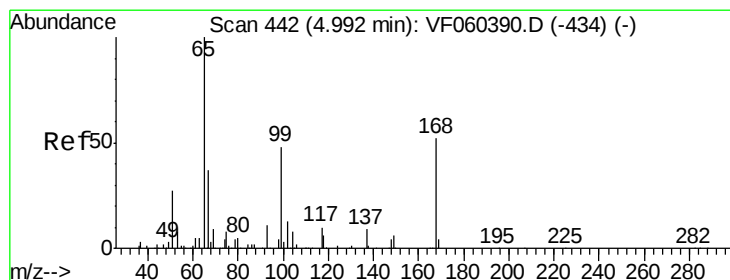
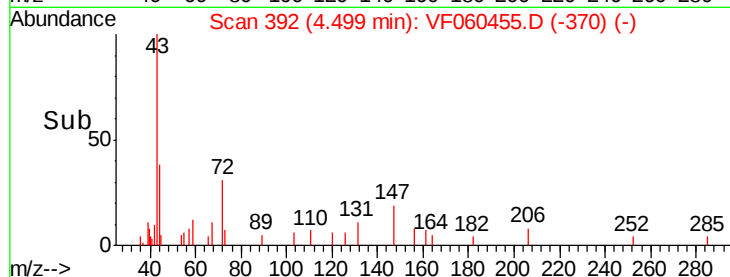
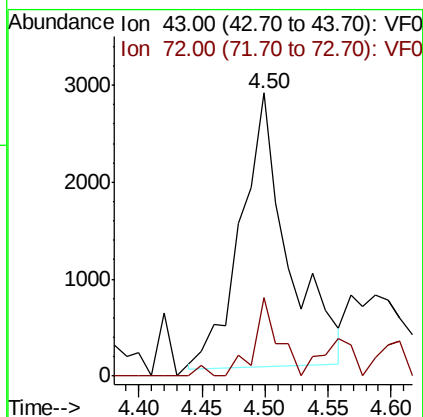
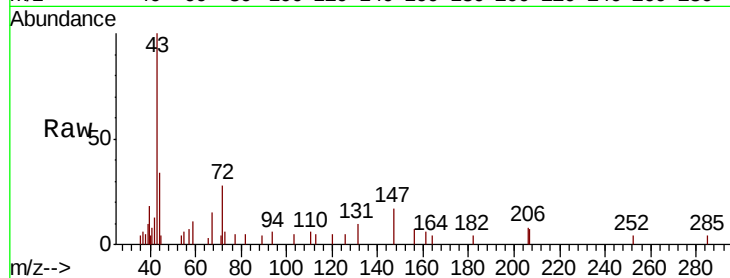




#25
2-Butanone
Concen: 8.145 ug/l
RT: 4.50 min Scan# 392
Delta R.T. 0.02 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

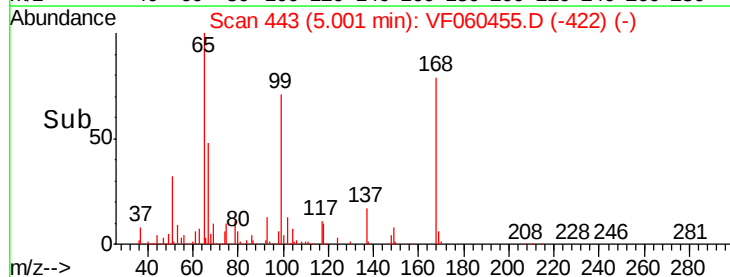
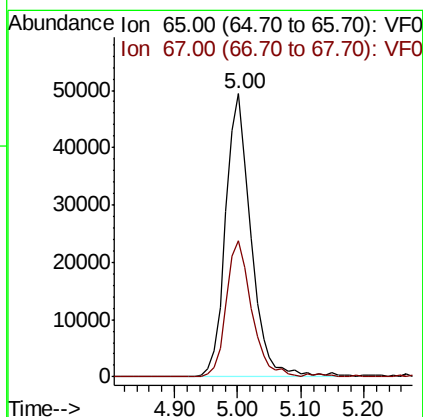
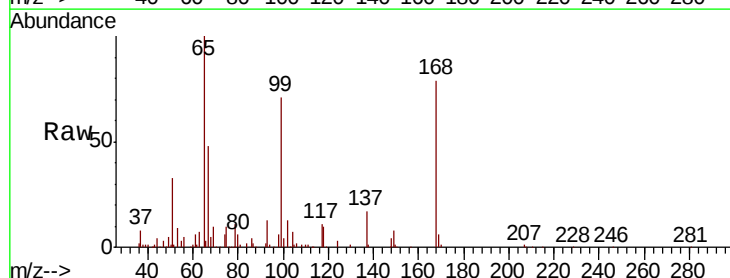
Instrument :
MSVOA_F
ClientSampleId :

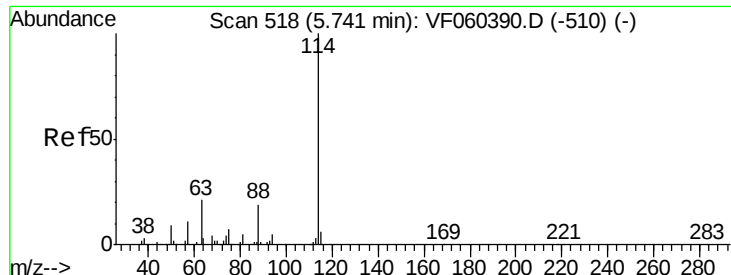
Tot Ion: 43 Resp: 7324
Ion Ratio Lower Upper
43 100
72 28.0 14.1 21.1#



#33
1,2-Dichloroethane-d4
Concen: 39.677 ug/l
RT: 5.00 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

Tgt Ion: 65 Resp: 137785
Ion Ratio Lower Upper
65 100
67 48.0 0.0 89.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060455.D

Acq: 5 Oct 2018 00:07

Instrument :

MSVOA_F

ClientSampled :

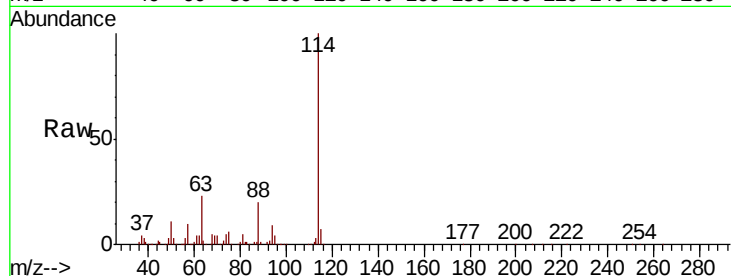
Tot Ion:114 Resp: 366075

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

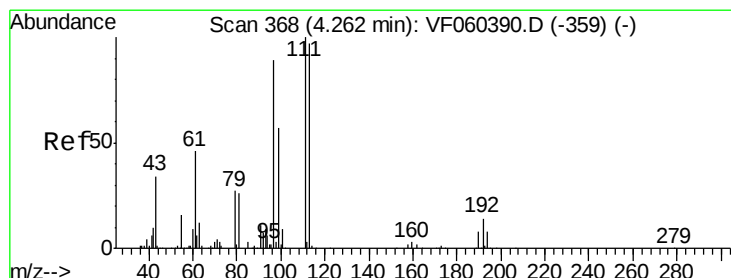
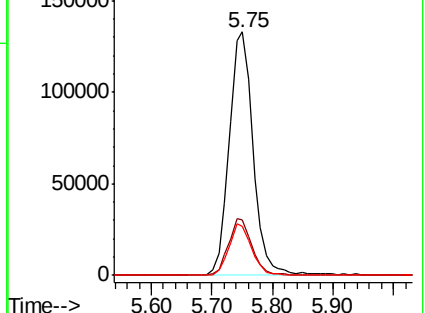
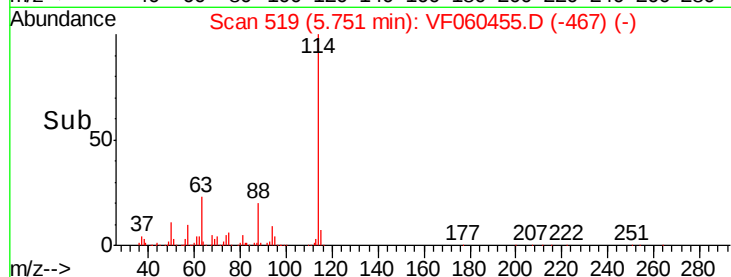
88 20.3 0.0 38.8



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: 41.656 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060455.D

Acq: 5 Oct 2018 00:07

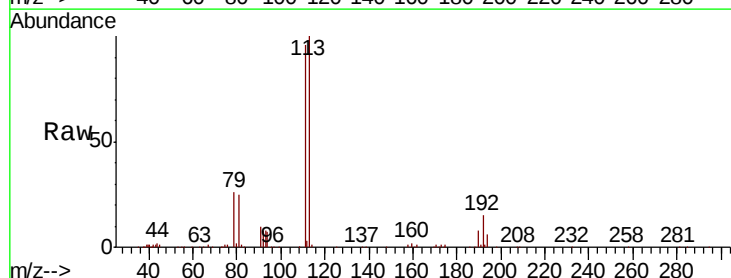
Tgt Ion:113 Resp: 143257

Ion Ratio Lower Upper

113 100

111 95.9 82.3 123.5

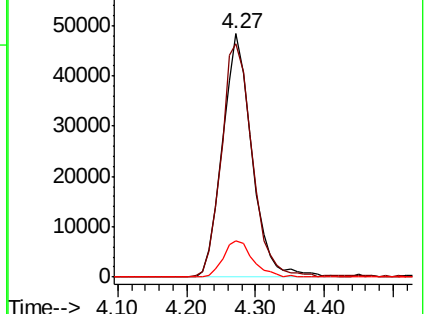
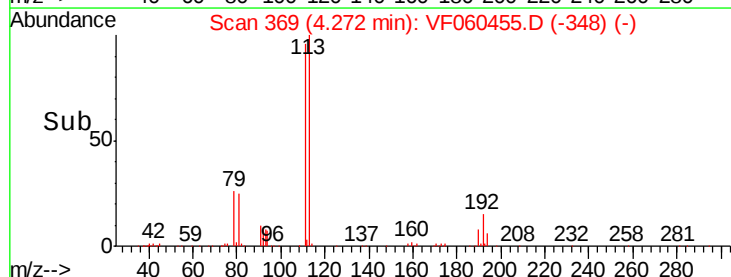
192 15.0 11.8 17.6

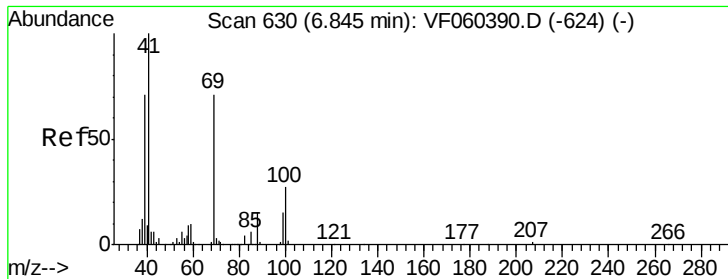


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

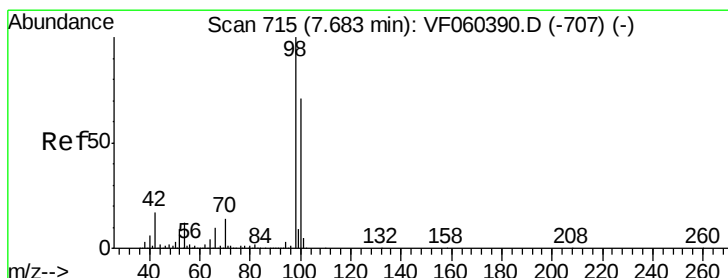
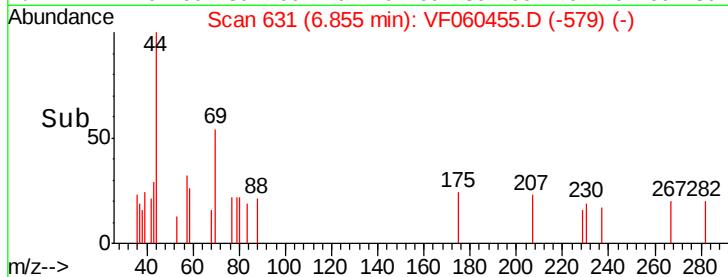
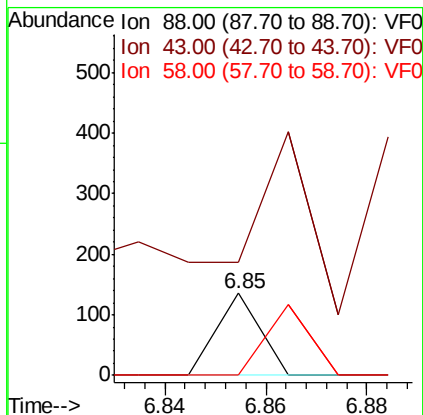
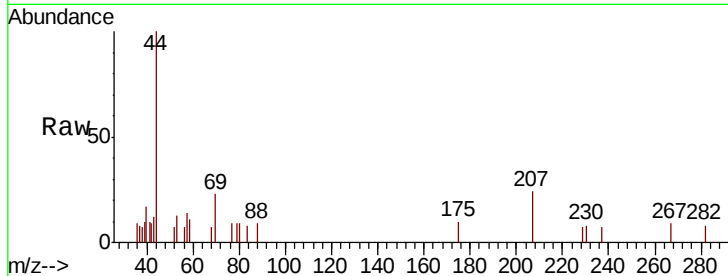




#49
1,4-Dioxane
Concen: 6.188 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.01 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

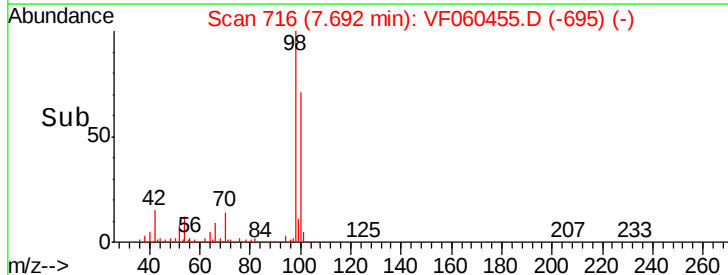
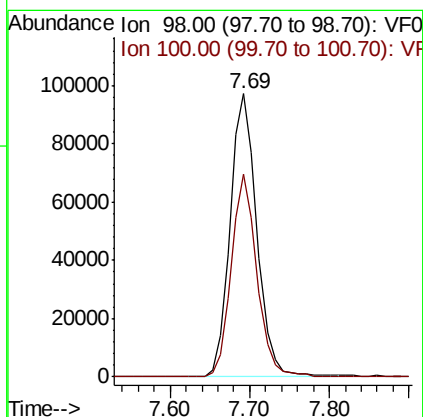
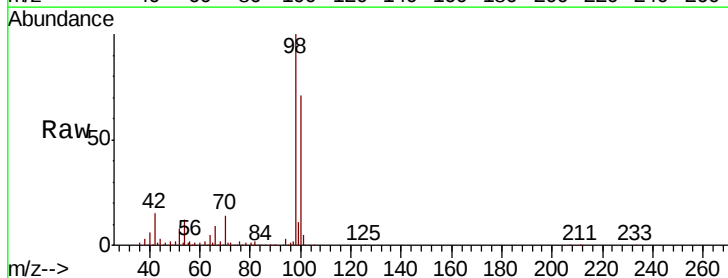
Instrument :
MSVOA_F
ClientSampled :

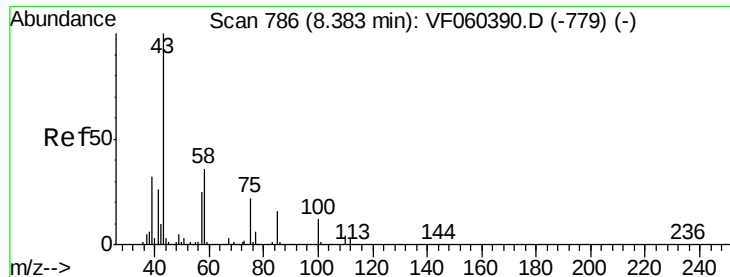
Tot Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 138.5 38.3 57.5#
58 0.0 47.4 71.2#



#50
Toluene-d8
Concen: 26.969 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

Tgt Ion: 98 Resp: 228422
Ion Ratio Lower Upper
98 100
100 71.5 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 2.629 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060455.D

Acq: 5 Oct 2018 00:07

Instrument :

MSVOA_F

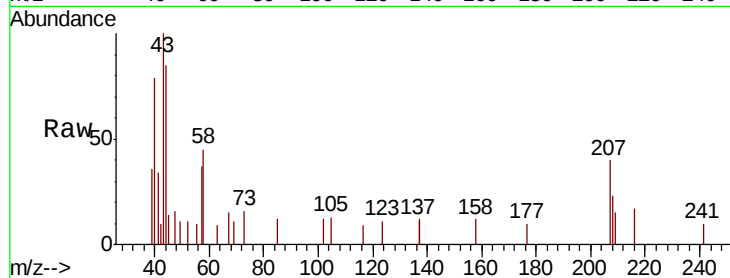
ClientSampleId :

Tot Ion: 43 Resp: 3909

Ion Ratio Lower Upper

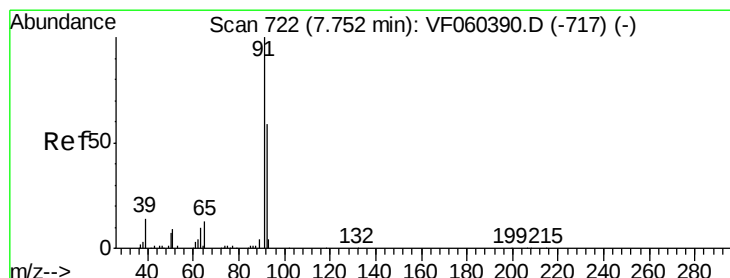
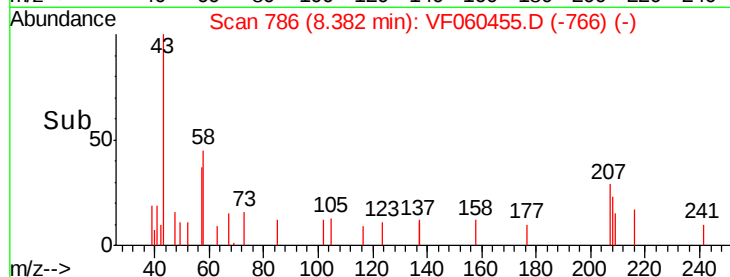
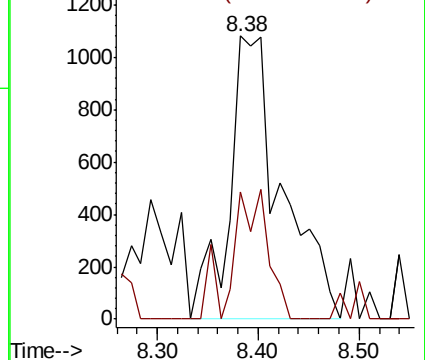
43 100

58 45.1 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.224 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060455.D

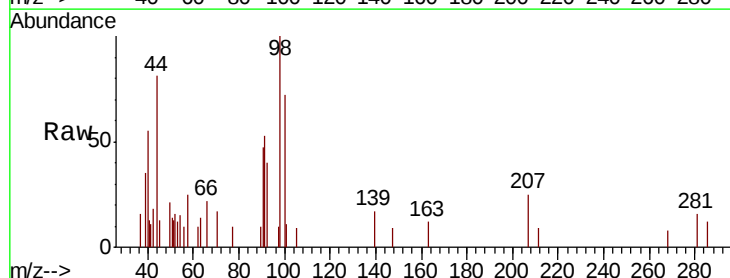
Acq: 5 Oct 2018 00:07

Tgt Ion: 63 Resp: 274

Ion Ratio Lower Upper

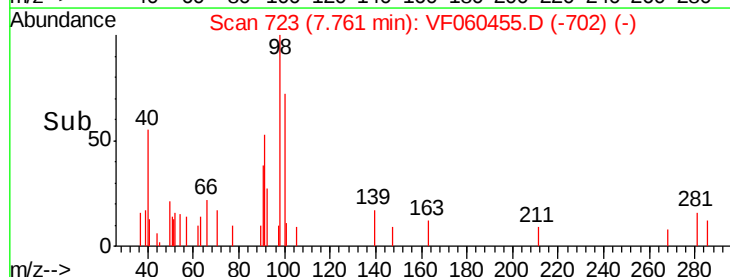
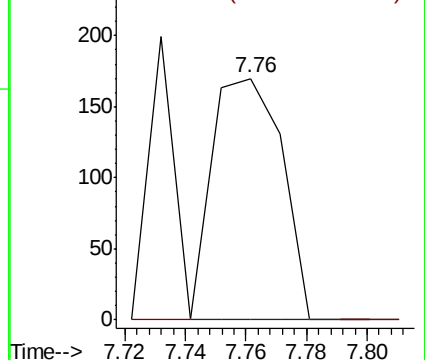
63 100

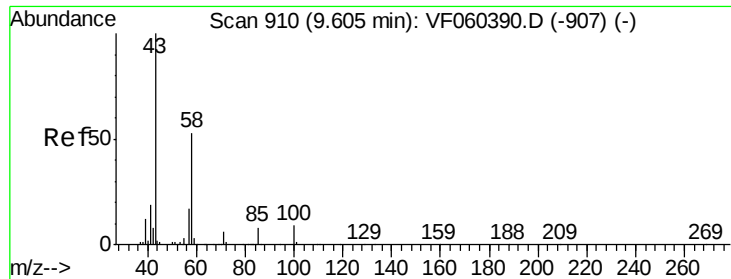
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

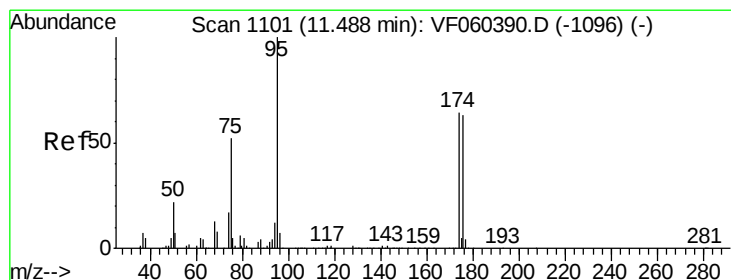
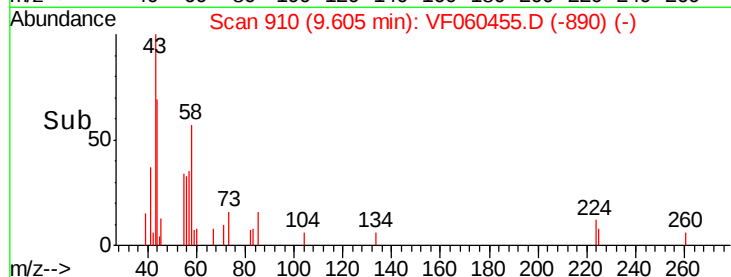
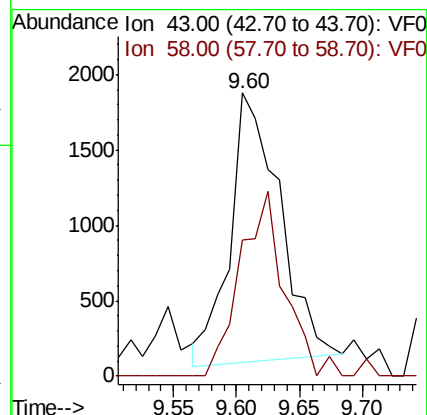
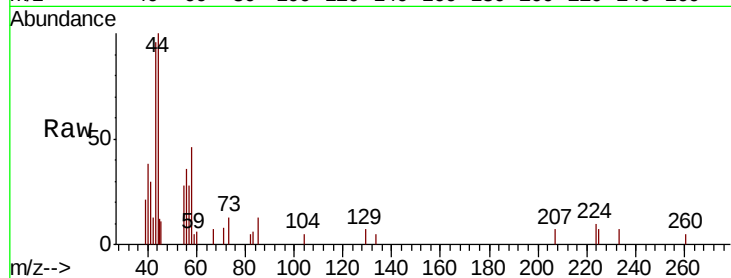




#59
2-Hexanone
Concen: 4.461 ug/l
RT: 9.60 min Scan# 910
Delta R.T. -0.00 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

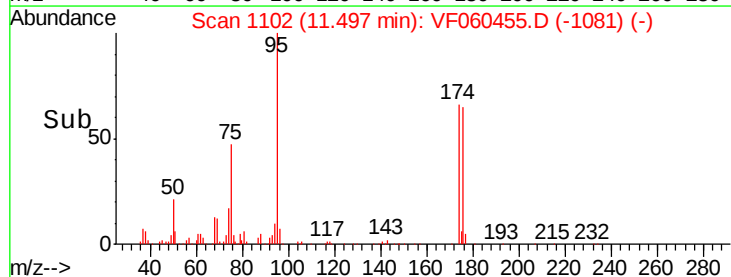
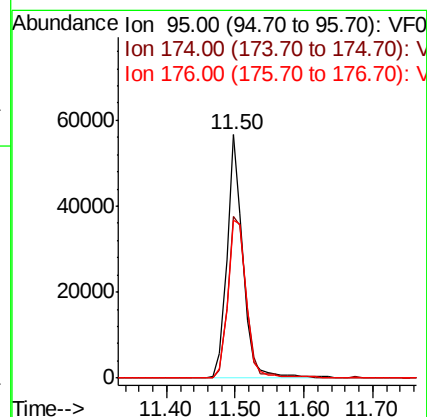
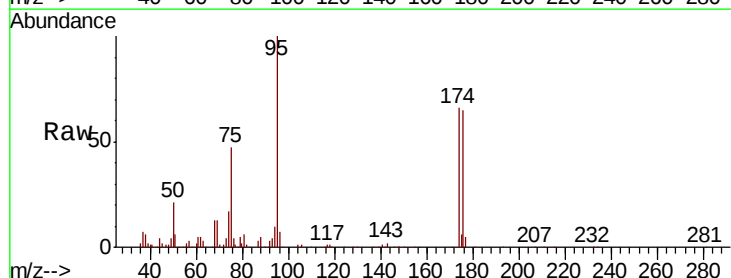
Instrument :
MSVOA_F
ClientSampled :

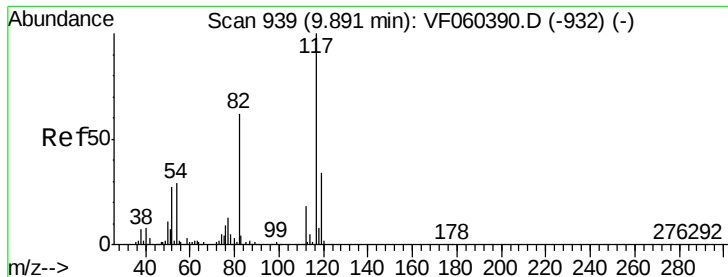
Tot Ion: 43 Resp: 4865
Ion Ratio Lower Upper
43 100
58 48.3 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 23.502 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

Tgt Ion: 95 Resp: 90887
Ion Ratio Lower Upper
95 100
174 66.2 0.0 129.0
176 64.6 0.0 125.6

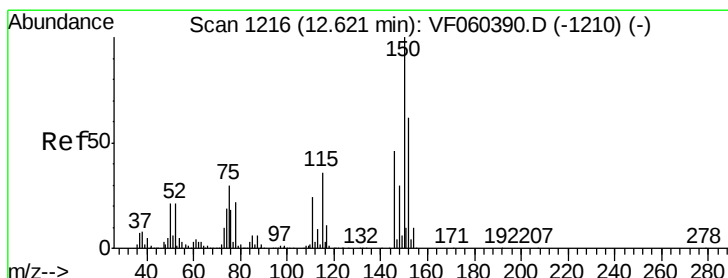
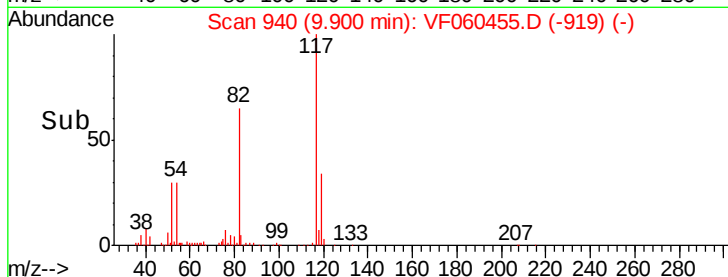
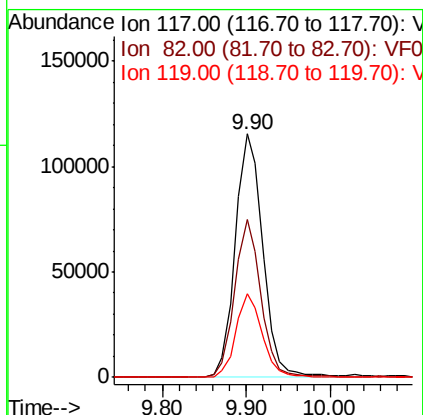
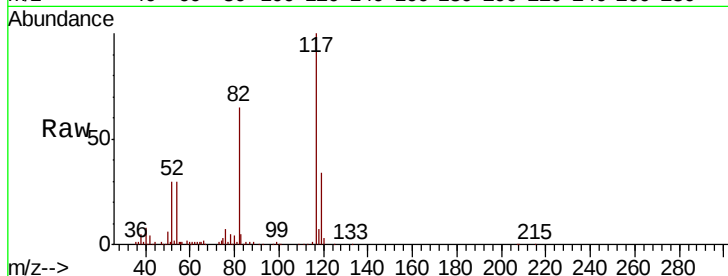




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 263774
Ion Ratio Lower Upper
117 100
82 64.7 49.5 74.3
119 34.2 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060455.D
Acq: 5 Oct 2018 00:07

Tgt Ion:152 Resp: 111421
Ion Ratio Lower Upper
152 100
115 60.9 28.6 85.8
150 151.8 0.0 324.6

