

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\
 Data File : VF060820.D
 Acq On : 20 Nov 2018 23:28
 Operator : VA/AP
 Sample : J5981-08
 Misc : 3.39g/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 21 02:53:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	175933	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	280731	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	206681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	92773	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	88347	44.03	ug/l	-0.02
Spiked Amount			Recovery	=	88.06%	
35) Dibromofluoromethane	4.12	113	119476	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
50) Toluene-d8	7.56	98	277232	51.29	ug/l	-0.01
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.41	95	105638	41.62	ug/l	0.00
Spiked Amount			Recovery	=	83.24%	

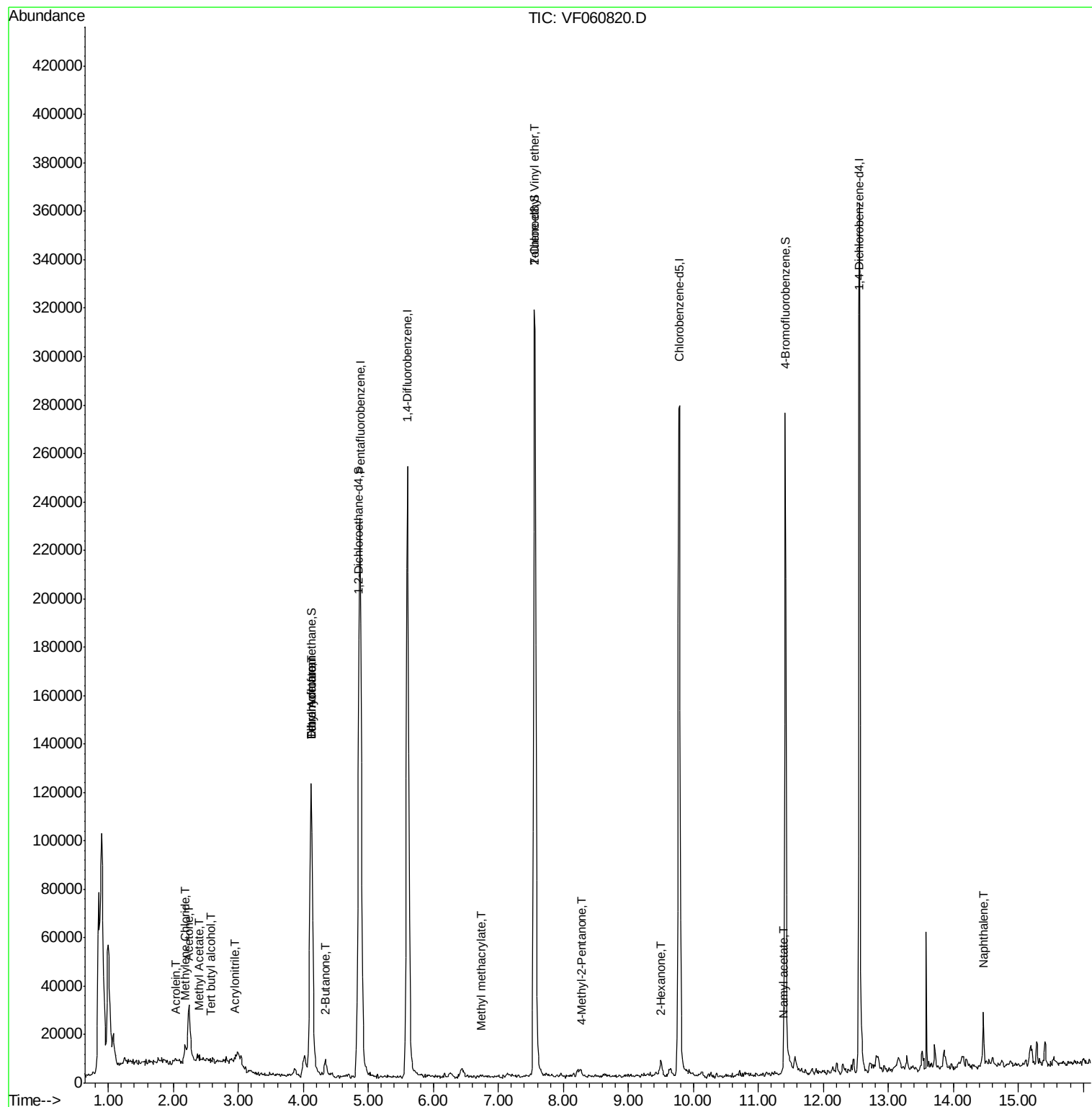
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.59	59	130	1.423	ug/l #	1
13) Acrolein	2.02	56	291	3.485	ug/l	92
15) Acrylonitrile	2.94	53	884	4.543	ug/l #	68
16) Acetone	2.24	43	36006	83.945	ug/l	97
18) Methyl Acetate	2.39	43	1968	2.794	ug/l #	64
20) Methylene Chloride	2.18	84	6276	1.635	ug/l #	86
25) 2-Butanone	4.34	43	14136	20.037	ug/l	92
29) Tetrahydrofuran	4.12	42	982	3.374	ug/l #	48
37) Ethyl Acetate	4.11	43	1294	1.069	ug/l #	1
41) Methacrylonitrile	4.77	41	327	Below Cal	#	26
48) Methyl methacrylate	6.73	41	1461	1.376	ug/l #	65
51) 4-Methyl-2-Pentanone	8.28	43	3276	2.822	ug/l #	70
58) 2-Chloroethyl Vinyl ether	7.56	63	226	1.568	ug/l	100
59) 2-Hexanone	9.51	43	5765	7.067	ug/l	83
74) N-amyl acetate	11.37	43	3660	2.153	ug/l #	91
95) Naphthalene	14.46	128	13943	3.650	ug/l	97

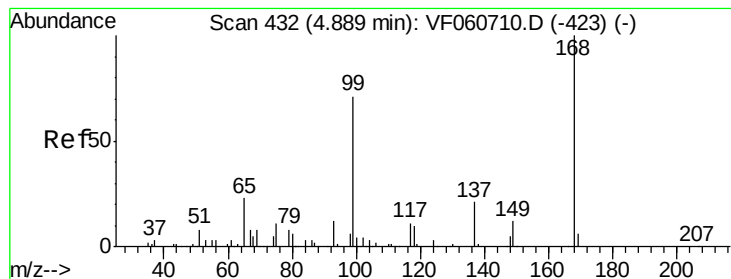
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112018\
Data File : VF060820.D
Acq On : 20 Nov 2018 23:28
Operator : VA/AP
Sample : J5981-08
Misc : 3.39g/5mL/MSVOA-F/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Nov 21 02:53:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060820.D

Acq: 20 Nov 2018 23:28

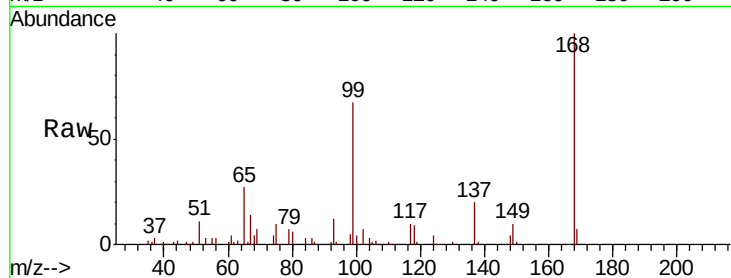
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 175933

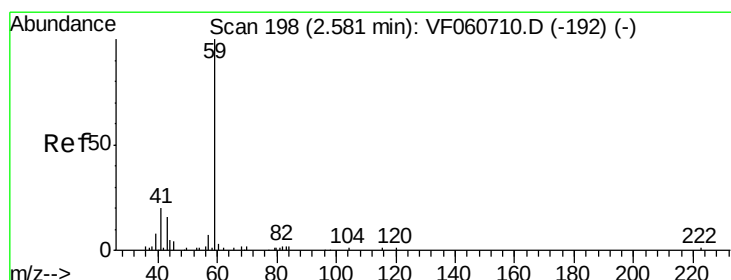
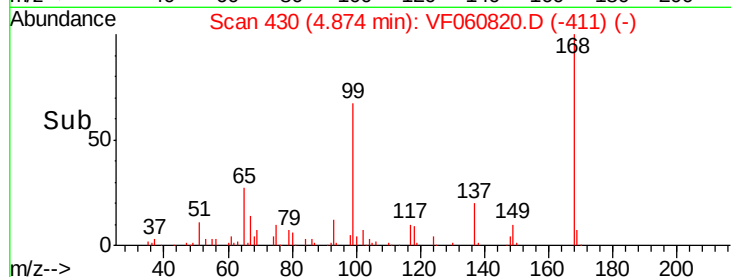
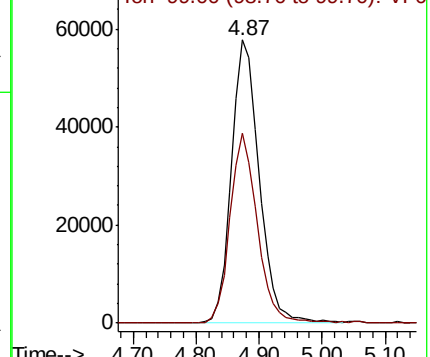
Ion Ratio Lower Upper

168 100

99 67.1 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 1.423 ug/l

RT: 2.59 min Scan# 198

Delta R.T. 0.00 min

Lab File: VF060820.D

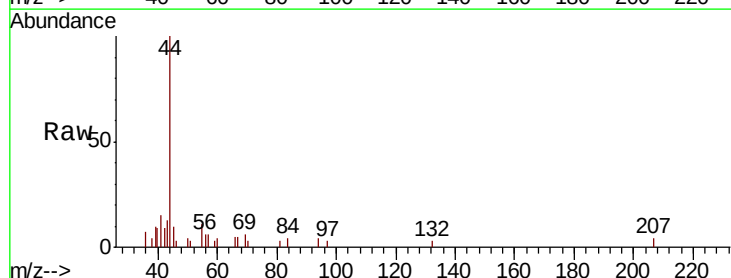
Acq: 20 Nov 2018 23:28

Tgt Ion: 59 Resp: 130

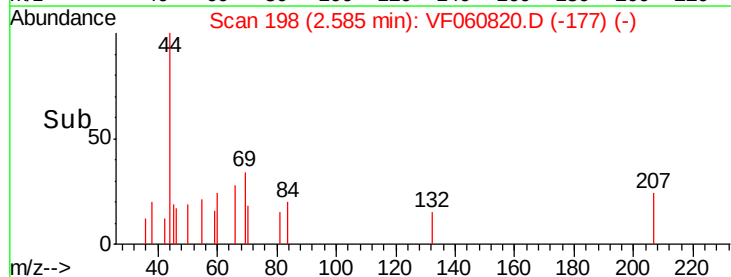
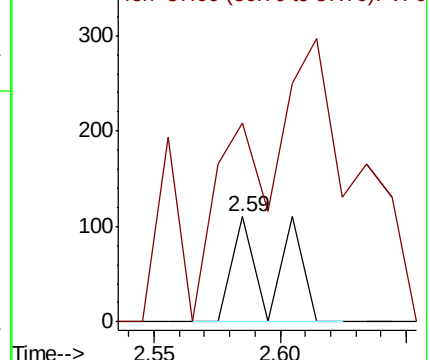
Ion Ratio Lower Upper

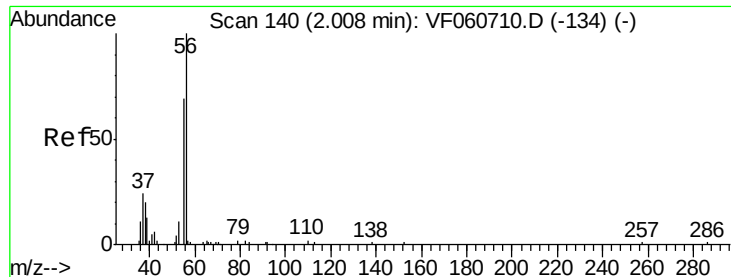
59 100

57 189.1 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 3.485 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF060820.D

Acq: 20 Nov 2018 23:28

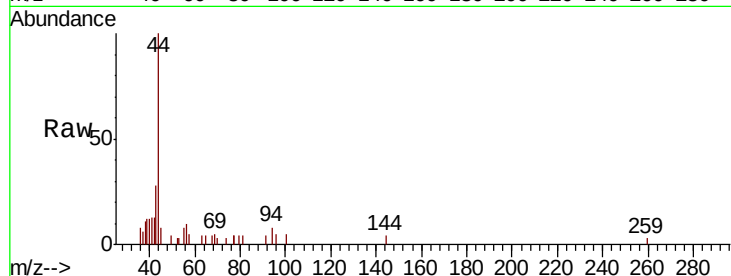
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 291

Ion Ratio Lower Upper

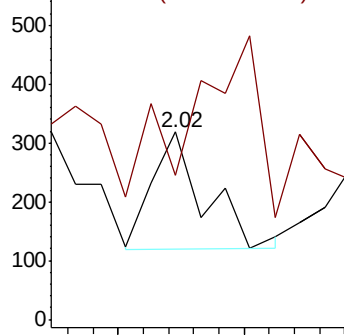
56 100

55 77.4 56.6 85.0

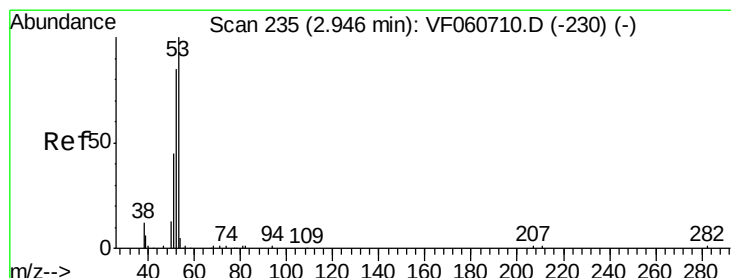
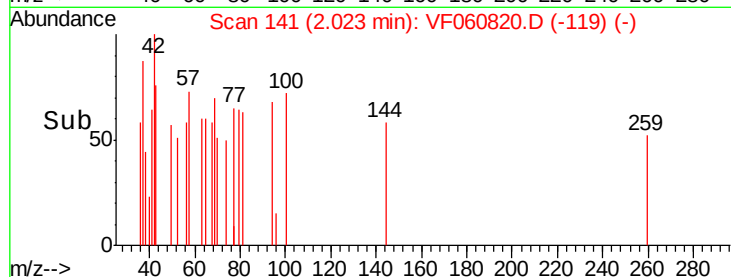


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 4.543 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060820.D

Acq: 20 Nov 2018 23:28

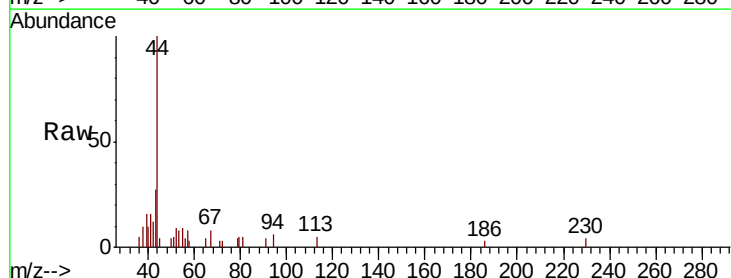
Tgt Ion: 53 Resp: 884

Ion Ratio Lower Upper

53 100

52 114.0 68.8 103.2#

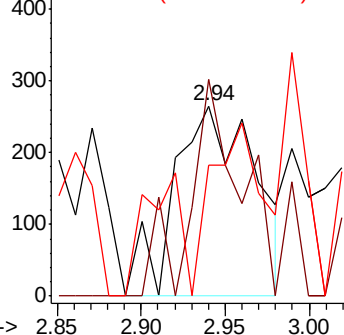
51 69.1 36.7 55.1#



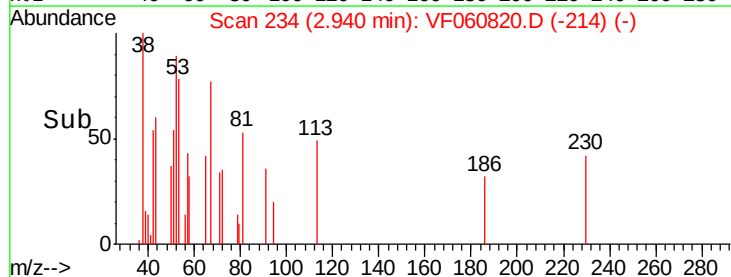
Abundance Ion 53.00 (52.70 to 53.70): VF0

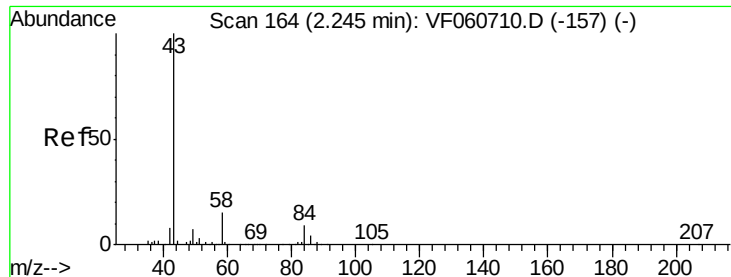
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 83.945 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060820.D

Acq: 20 Nov 2018 23:28

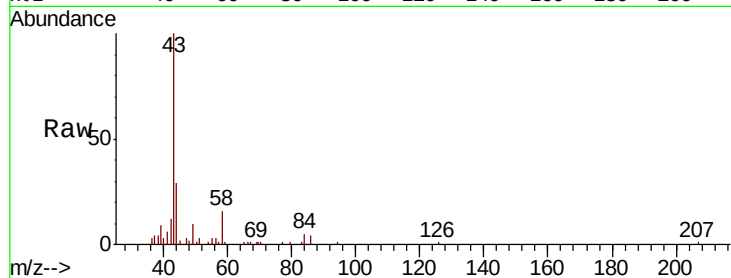
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 36006

Ion Ratio Lower Upper

43 100

58 15.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

15000

10000

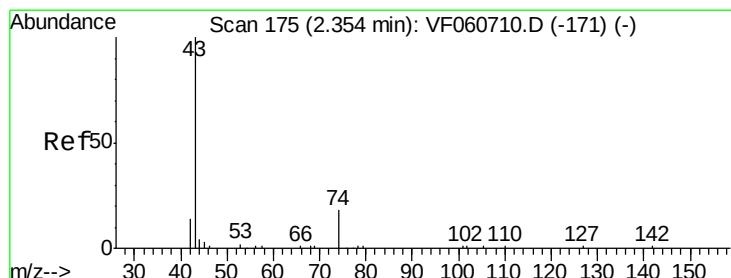
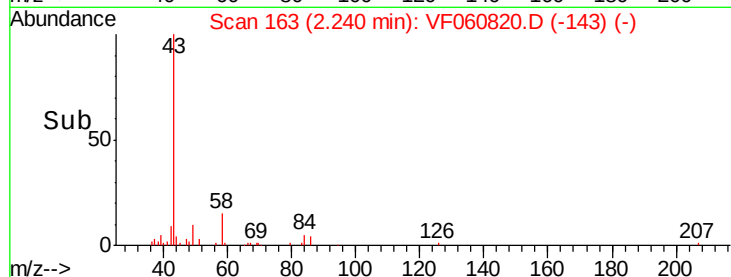
5000

0

Time-->

2.10 2.20 2.30 2.40

2.24



#18

Methyl Acetate

Concen: 2.794 ug/l

RT: 2.39 min Scan# 178

Delta R.T. 0.03 min

Lab File: VF060820.D

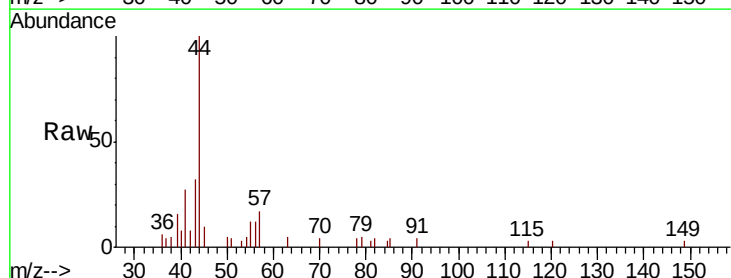
Acq: 20 Nov 2018 23:28

Tgt Ion: 43 Resp: 1968

Ion Ratio Lower Upper

43 100

74 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2000

1500

1000

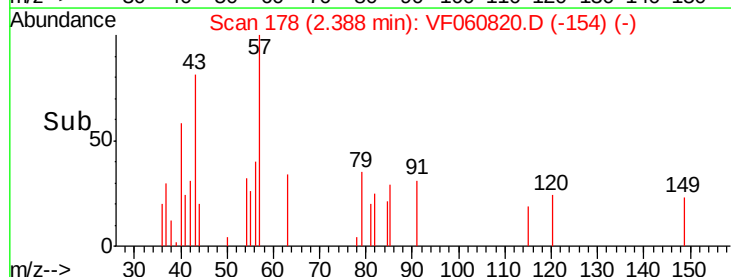
500

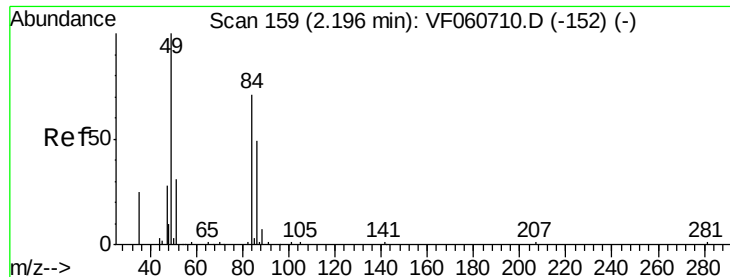
0

Time-->

2.30 2.35 2.40 2.45

2.39

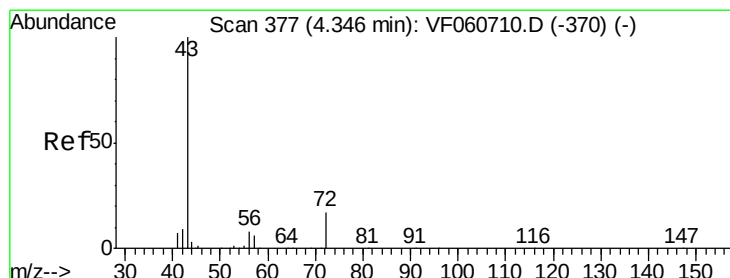
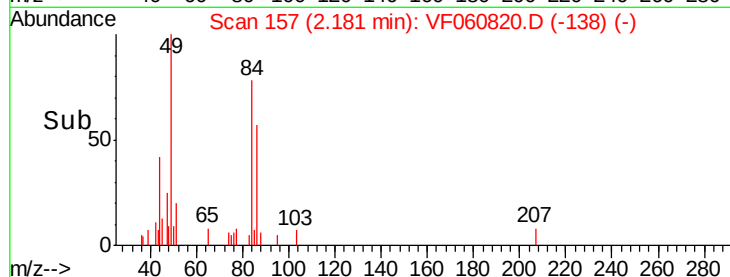
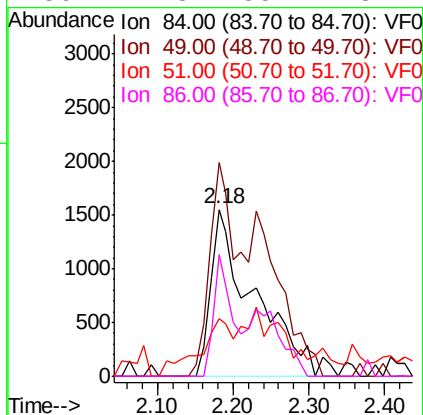
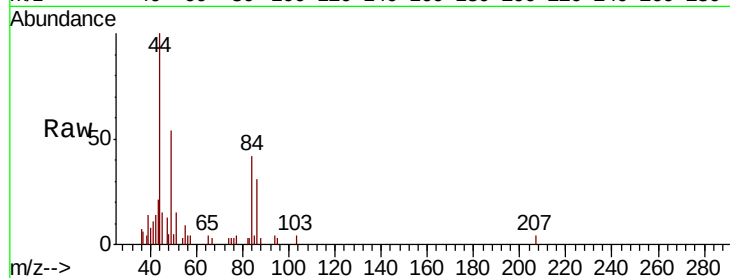




#20
Methylene Chloride
Concen: 1.635 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

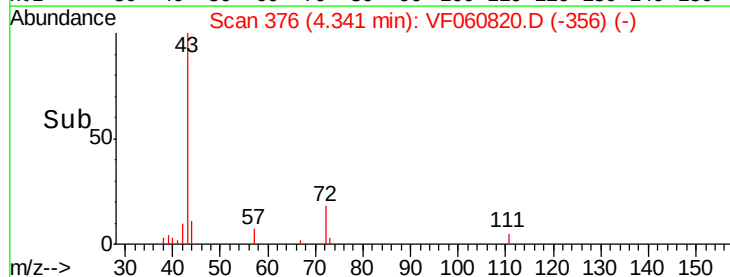
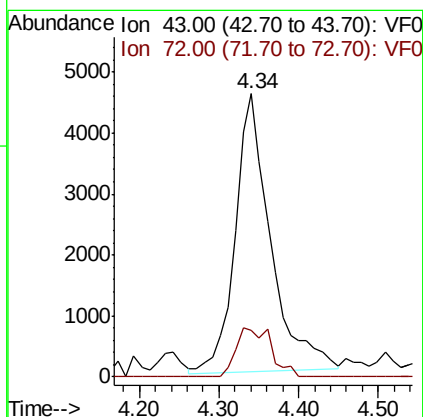
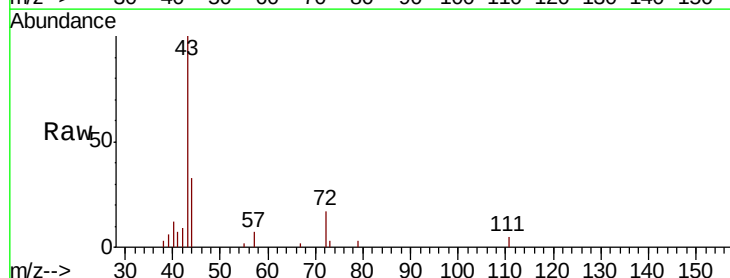
Instrument :
MSVOA_F
ClientSampleId :

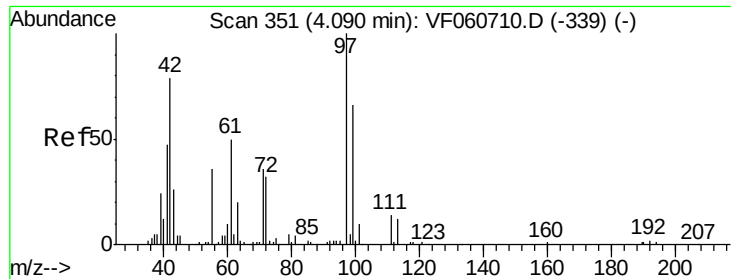
Tot Ion: 84 Resp: 6276
Ion Ratio Lower Upper
84 100
49 128.3 120.2 180.4
51 34.8 37.2 55.8#
86 72.8 55.1 82.7



#25
2-Butanone
Concen: 20.037 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

Tgt Ion: 43 Resp: 14136
Ion Ratio Lower Upper
43 100
72 16.6 16.1 24.1





#29

Tetrahydrofuran

Concen: 3.374 ug/l

RT: 4.12 min Scan# 354

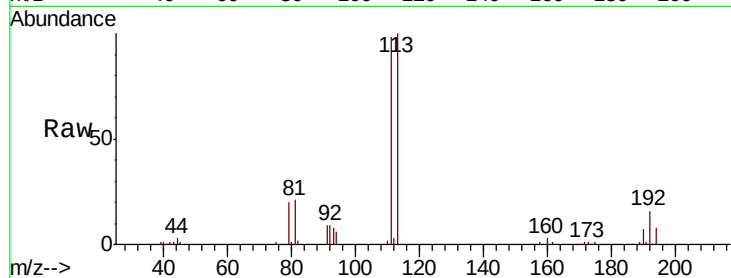
Delta R.T. 0.03 min

Lab File: VF060820.D

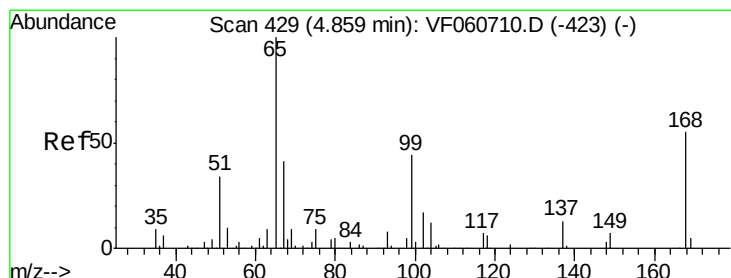
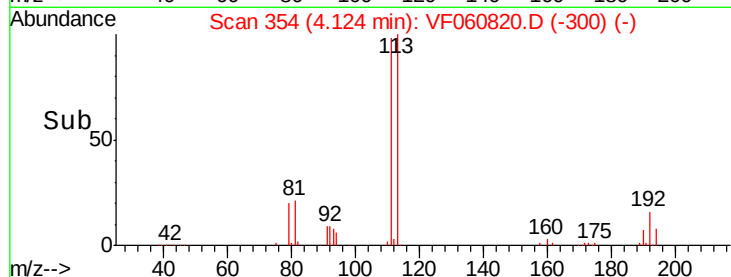
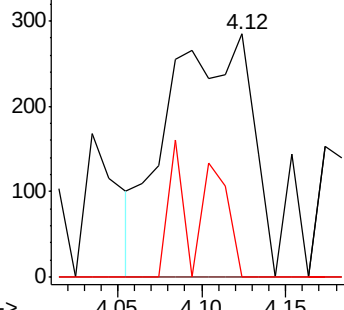
Acq: 20 Nov 2018 23:28

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	982
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	14.6	32.2	48.2#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 44.026 ug/l

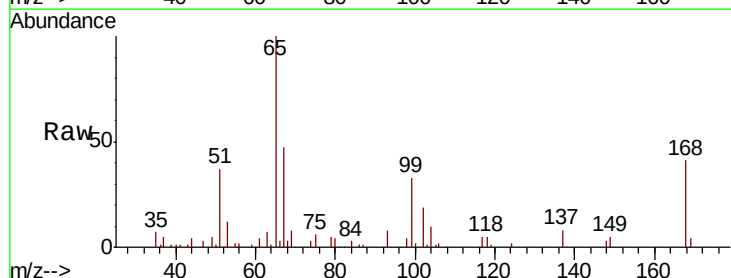
RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

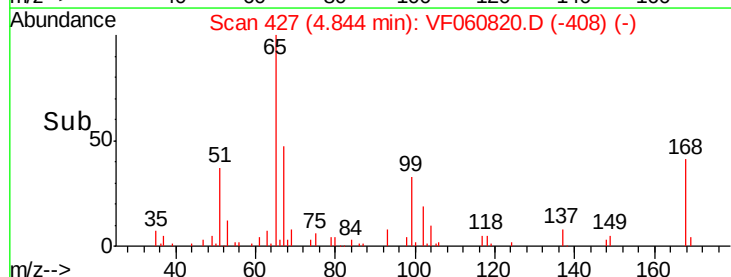
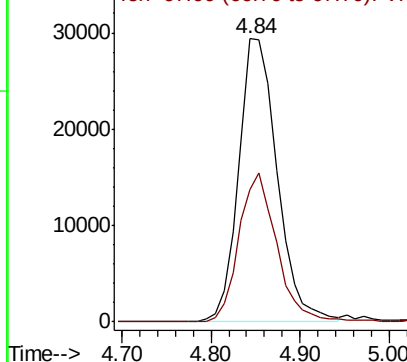
Lab File: VF060820.D

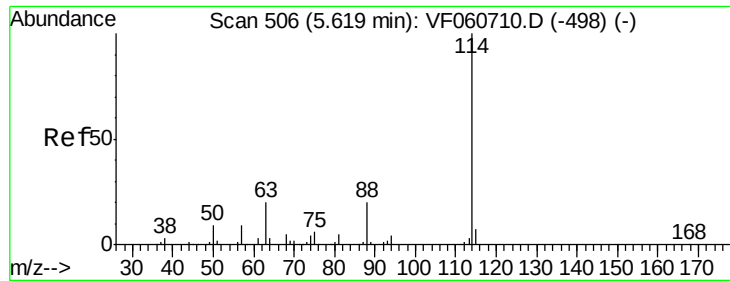
Acq: 20 Nov 2018 23:28

Tgt Ion:	65	Resp:	88347
Ion	Ratio	Lower	Upper
65	100		
67	46.9	0.0	90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

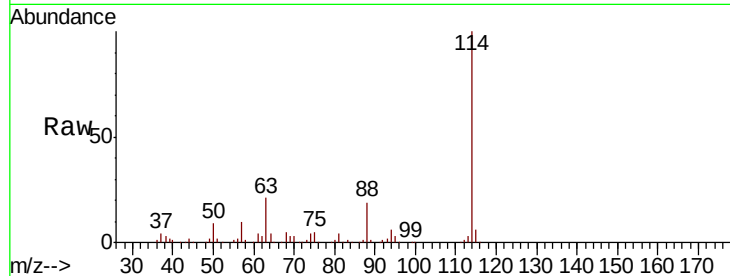




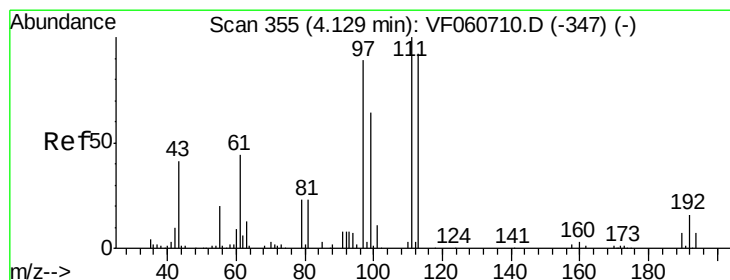
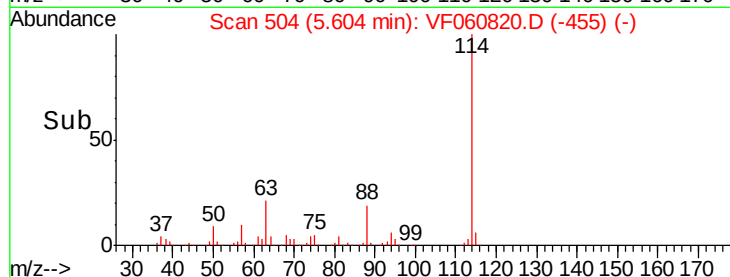
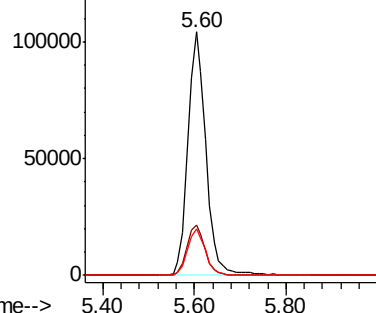
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060820.D
 Acq: 20 Nov 2018 23:28

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:	114	Resp:	280731
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	19.0	0.0	39.6

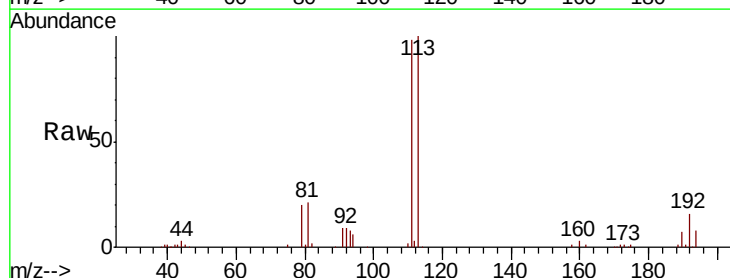


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

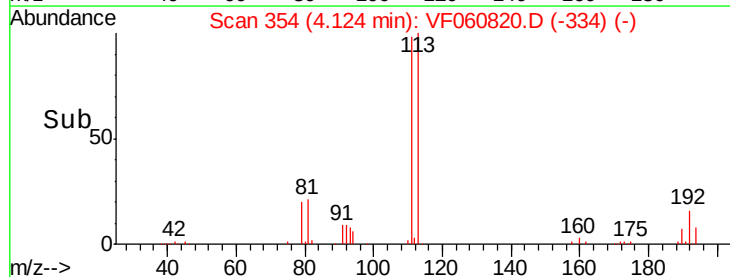
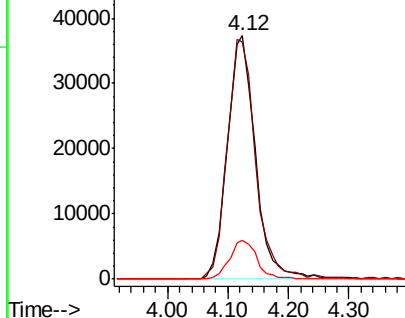


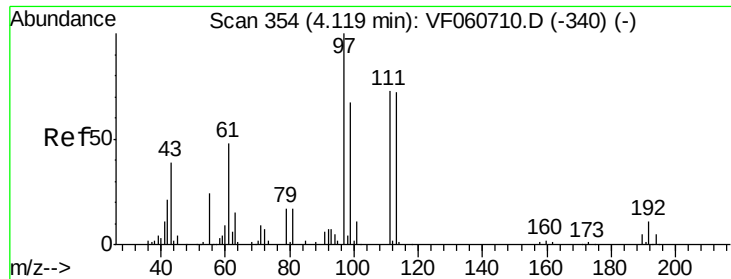
#35
 Dibromofluoromethane
 Concen: 56.617 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VF060820.D
 Acq: 20 Nov 2018 23:28

Tgt Ion:	113	Resp:	119476
Ion	Ratio	Lower	Upper
113	100		
111	97.6	87.1	130.7
192	15.9	13.8	20.6



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

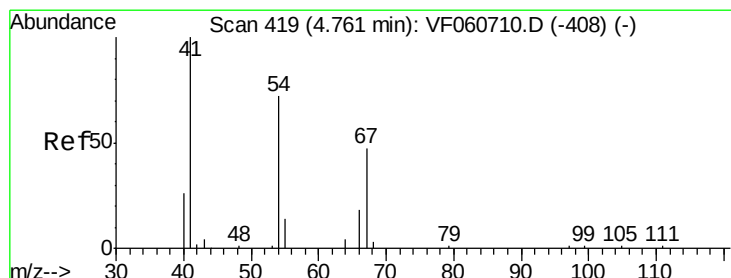
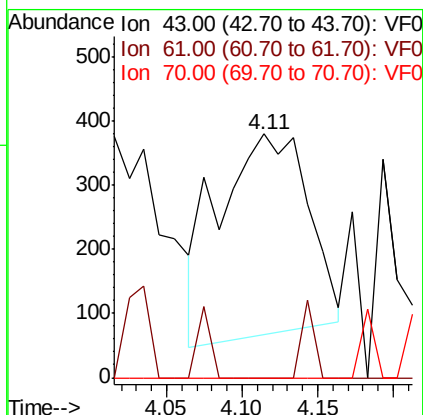
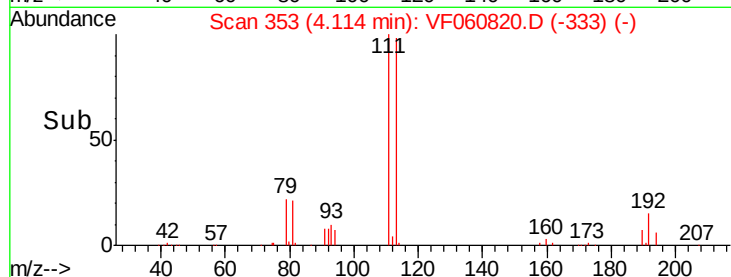
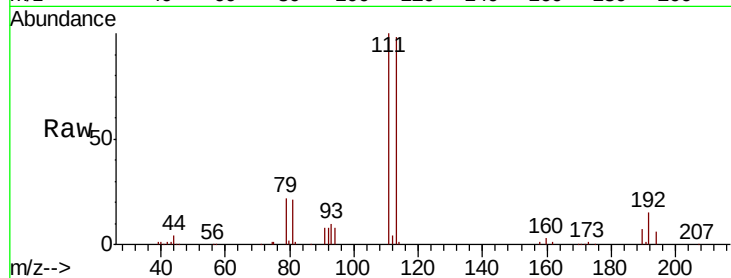




#37
Ethyl Acetate
Concen: 1.069 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

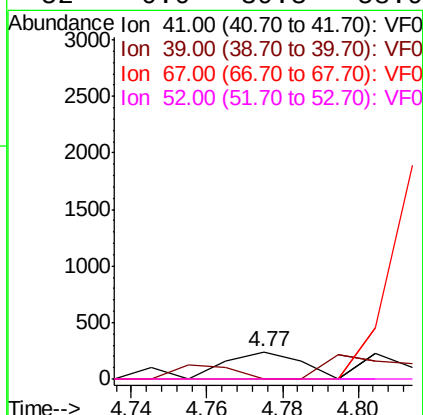
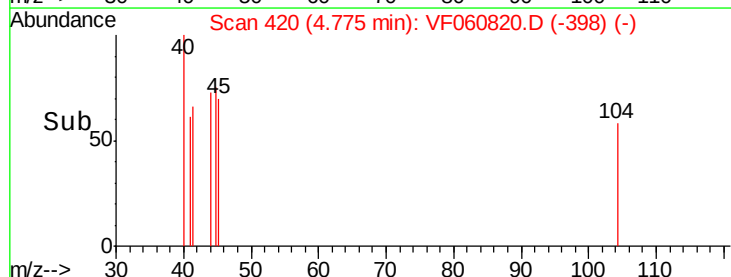
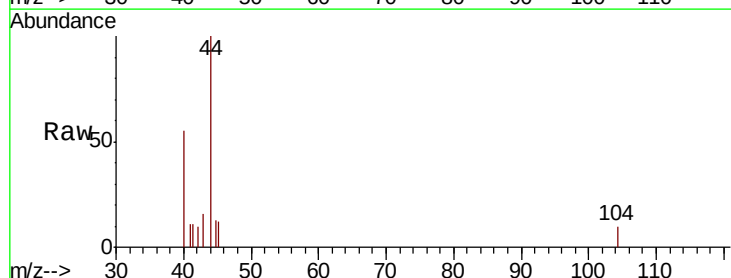
Instrument :
MSVOA_F
ClientSampleId :

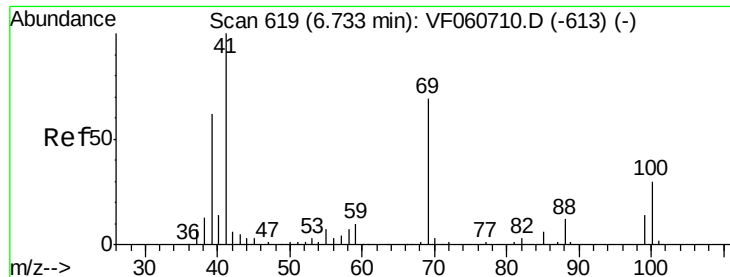
Tot Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
61 0.0 98.5 147.7#
70 0.0 7.4 11.0#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.77 min Scan# 420
Delta R.T. 0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

Tgt Ion: 41 Resp: 327
Ion Ratio Lower Upper
41 100
39 0.0 47.1 70.7#
67 0.0 37.1 55.7#
52 0.0 39.3 58.9#

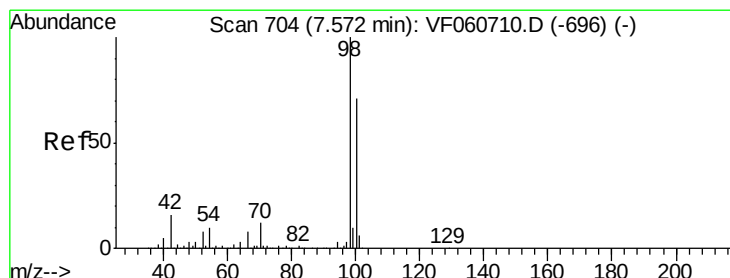
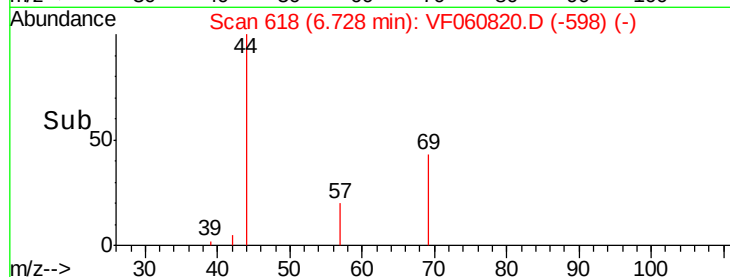
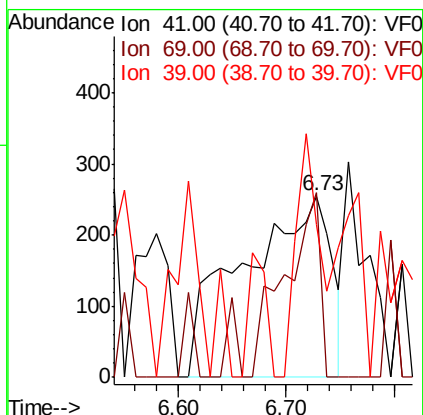
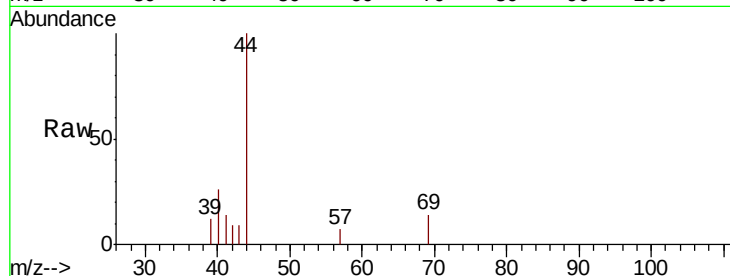




#48
Methyl methacrylate
Concen: 1.376 ug/l
RT: 6.73 min Scan# 618
Delta R.T. -0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

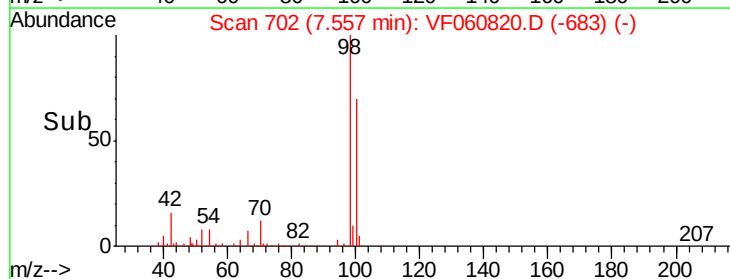
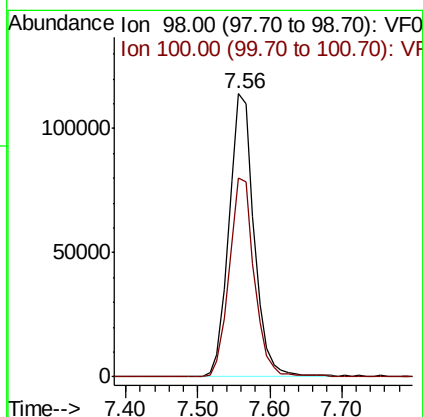
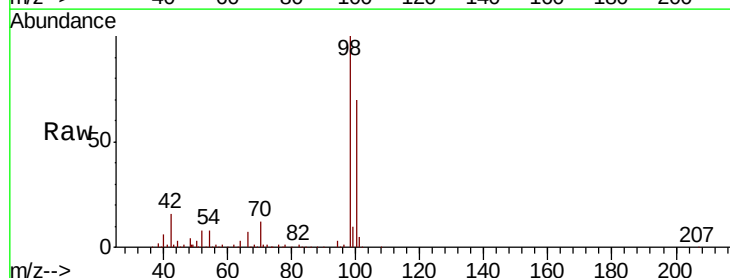
Instrument :
MSVOA_F
ClientSampled :

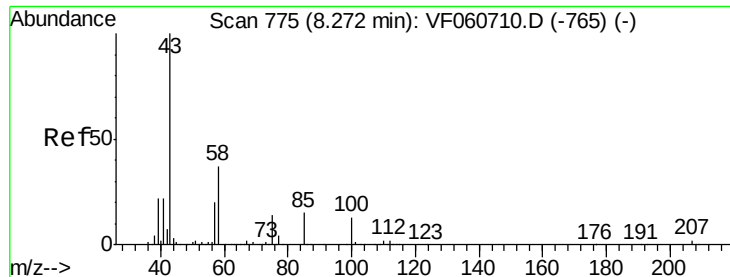
Tot Ion: 41 Resp: 1461
Ion Ratio Lower Upper
41 100
69 101.6 54.9 82.3#
39 84.3 49.6 74.4#



#50
Toluene-d8
Concen: 51.291 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

Tgt Ion: 98 Resp: 277232
Ion Ratio Lower Upper
98 100
100 70.1 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 2.822 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF060820.D

Acq: 20 Nov 2018 23:28

Instrument :

MSVOA_F

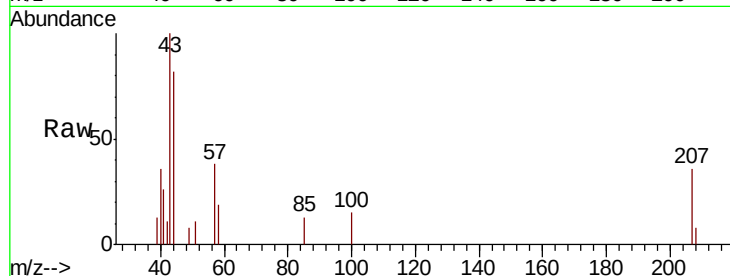
ClientSampled :

Tot Ion: 43 Resp: 3276

Ion Ratio Lower Upper

43 100

58 19.0 29.2 43.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

1500

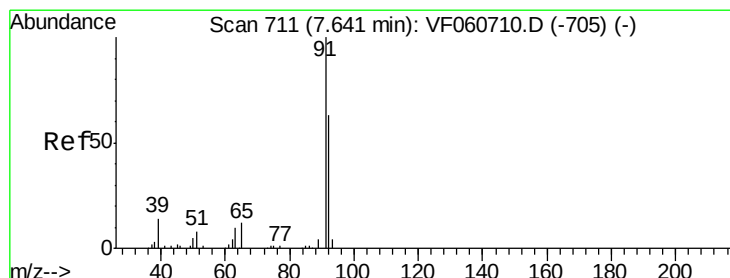
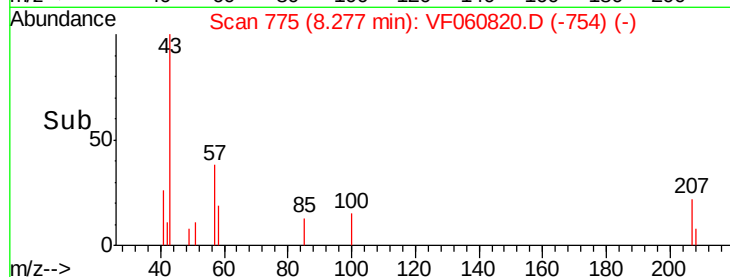
1000

500

0

8.20 8.25 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.568 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.08 min

Lab File: VF060820.D

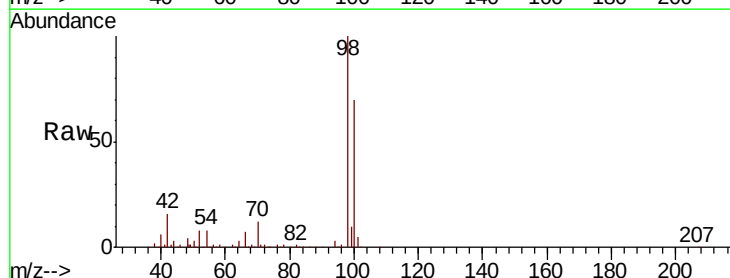
Acq: 20 Nov 2018 23:28

Tgt Ion: 63 Resp: 226

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

300

250

200

150

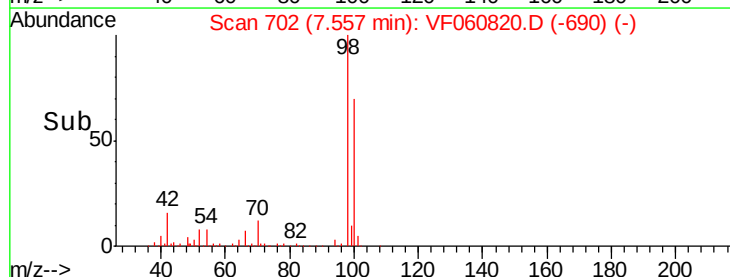
100

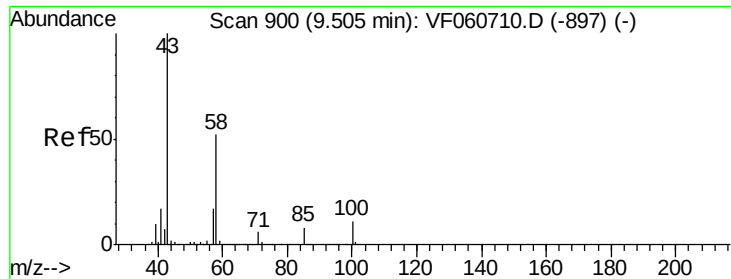
50

0

7.52 7.54 7.56 7.58

Time-->

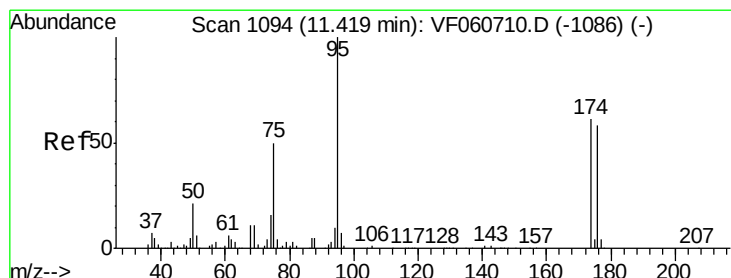
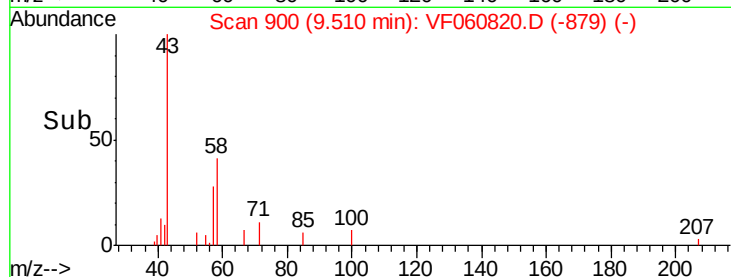
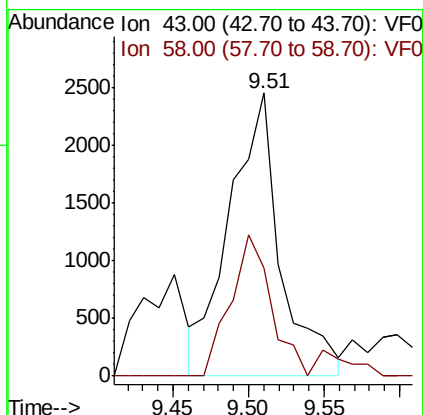
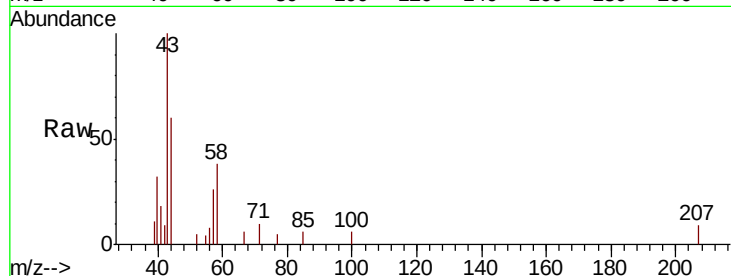




#59
2-Hexanone
Concen: 7.067 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

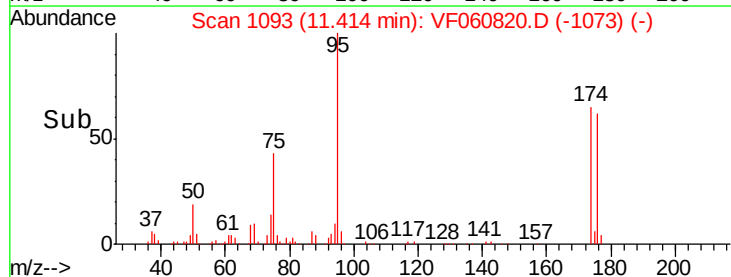
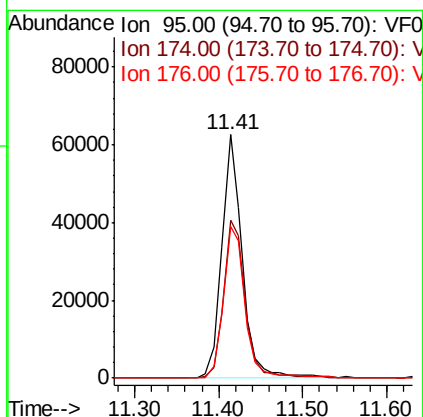
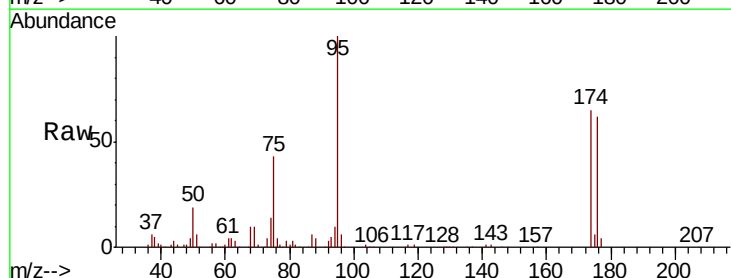
Instrument :
MSVOA_F
ClientSampled :

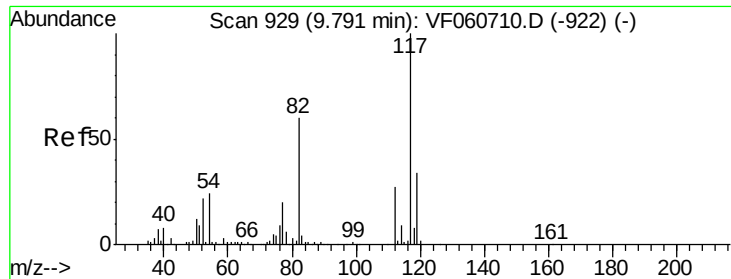
Tot Ion: 43 Resp: 5765
Ion Ratio Lower Upper
43 100
58 37.9 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 41.625 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

Tgt Ion: 95 Resp: 105638
Ion Ratio Lower Upper
95 100
174 64.8 0.0 121.6
176 62.3 0.0 115.2

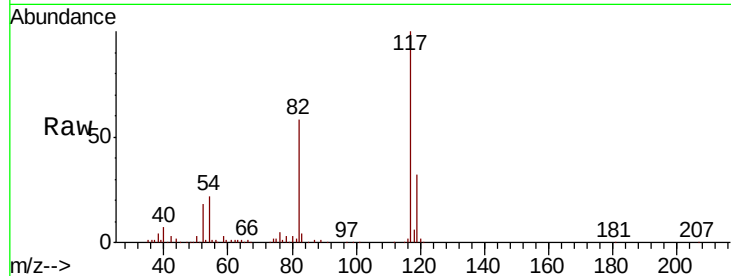




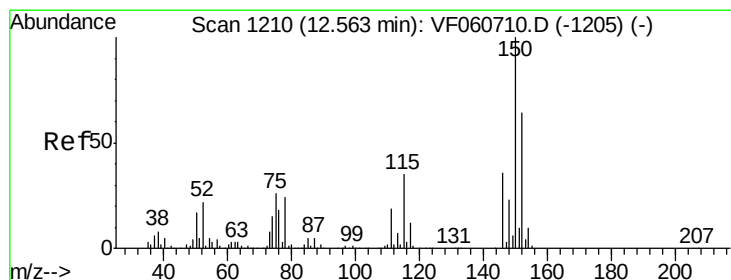
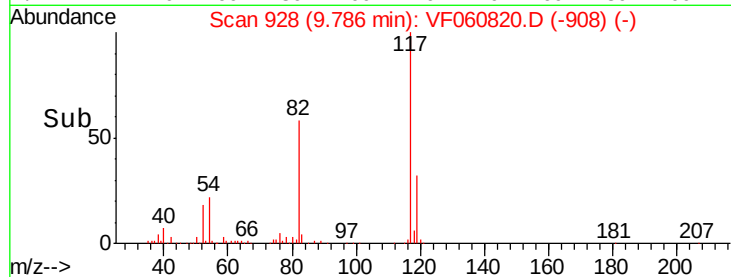
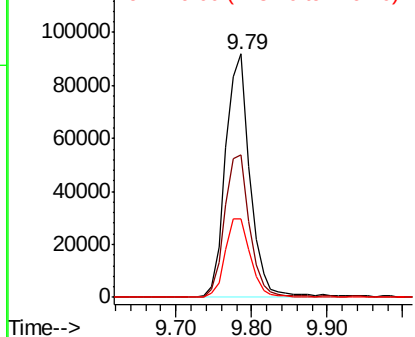
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 206681
Ion Ratio Lower Upper
117 100
82 58.4 47.9 71.9
119 32.3 26.8 40.2

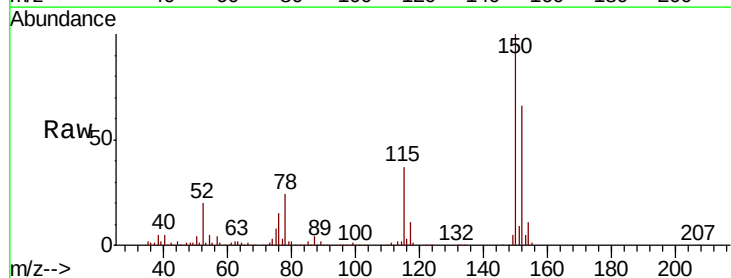


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

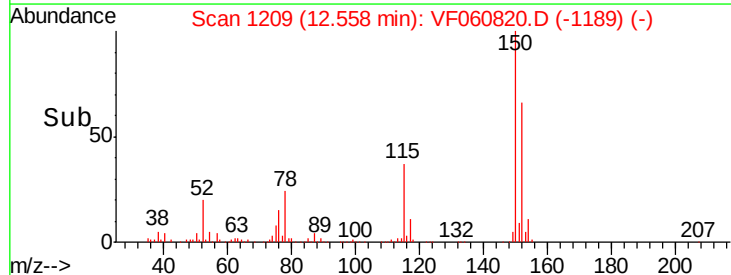
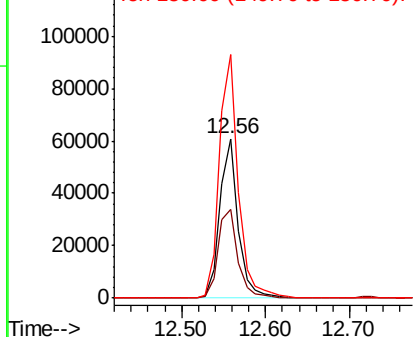


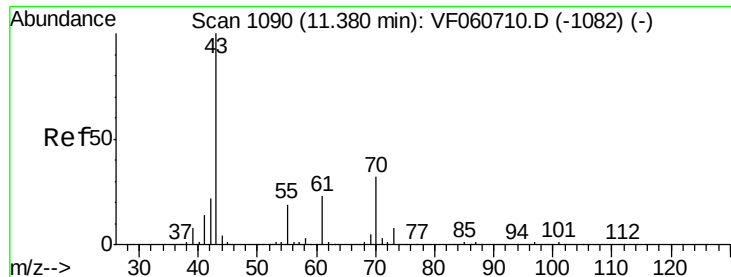
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060820.D
Acq: 20 Nov 2018 23:28

Tgt Ion:152 Resp: 92773
Ion Ratio Lower Upper
152 100
115 56.0 27.9 83.7
150 152.5 0.0 316.4



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





#74

N-amyl acetate

Concen: 2.153 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060820.D

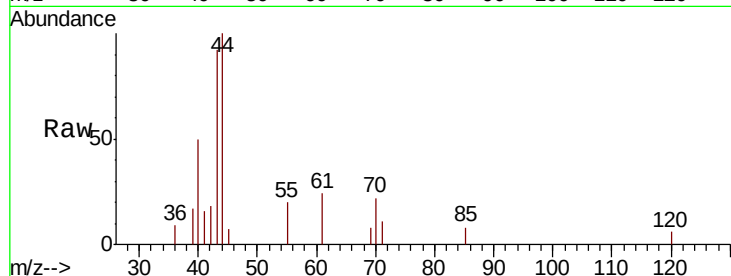
Acq: 20 Nov 2018 23:28

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	3660
Ion	Ratio	Lower	Upper
43	100		
70	24.2	25.5	38.3#
55	21.6	14.9	22.3
61	25.7	18.6	27.8



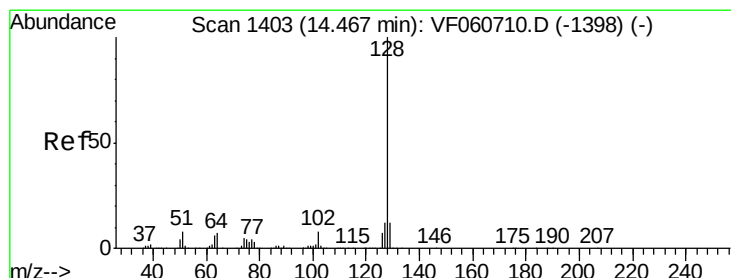
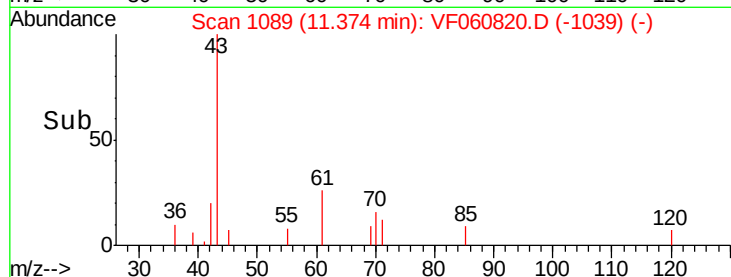
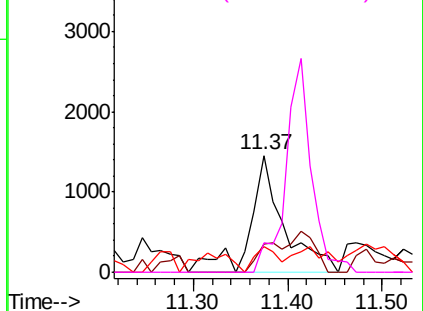
Abundance

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



#95

Naphthalene

Concen: 3.650 ug/l

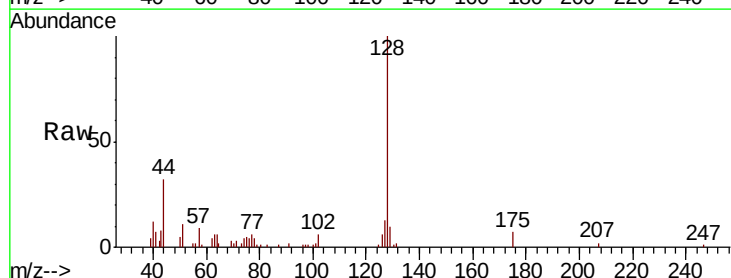
RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060820.D

Acq: 20 Nov 2018 23:28

Tgt Ion:	128	Resp:	13943
Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.8	14.6
129	10.0	9.3	13.9



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

