

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060876.D
 Acq On : 29 Nov 2018 19:42
 Operator : VA/AP
 Sample : J5771-11
 Misc : 6.05µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-C

Quant Time: Nov 30 06:00:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

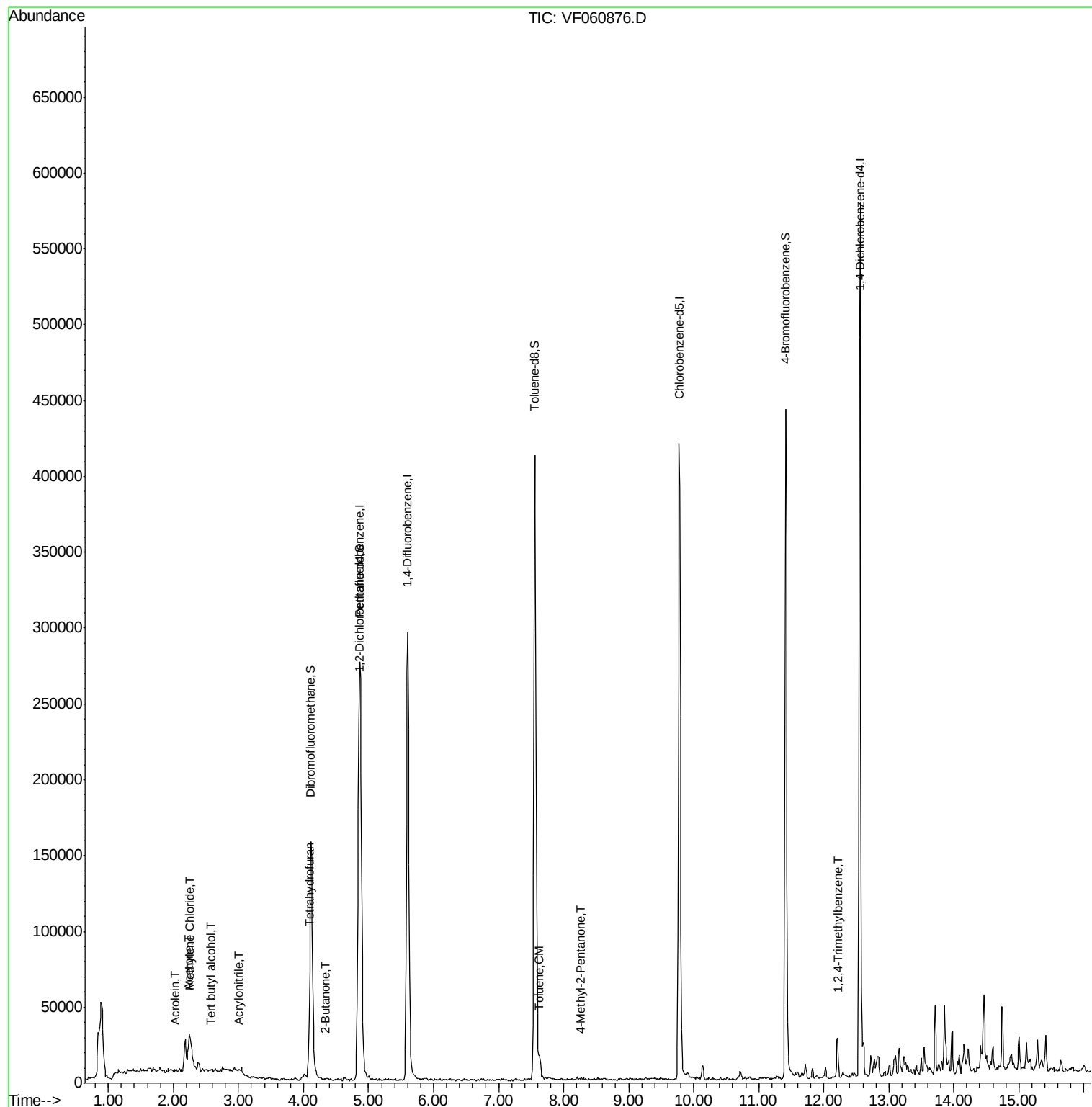
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	185131	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	328157	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	298745	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.56	152	143927	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	133614	61.27	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	122.54%	
35) Dibromofluoromethane	4.11	113	145677	55.96	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	111.92%	
50) Toluene-d8	7.56	98	357661	46.64	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.41	95	168278	48.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.56%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.57	59	318	3.557	ug/l #	1
13) Acrolein	2.02	56	796	9.397	ug/l	90
15) Acrylonitrile	3.00	53	619	3.088	ug/l #	11
16) Acetone	2.24	43	9606	23.885	ug/l	97
18) Methyl Acetate	2.33	43	507	Below Cal	#	61
20) Methylene Chloride	2.26	84	16553	11.219	ug/l	95
25) 2-Butanone	4.34	43	1580	2.271	ug/l #	57
29) Tetrahydrofuran	4.08	42	579	1.964	ug/l #	37
41) Methacrylonitrile	4.77	41	85	Below Cal	#	23
43) Isopropyl Acetate	6.93	43	470	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.26	43	1600	1.173	ug/l #	38
52) Toluene	7.64	92	6061	1.073	ug/l	91
84) 1,2,4-Trimethylbenzene	12.21	105	13650	1.481	ug/l	100

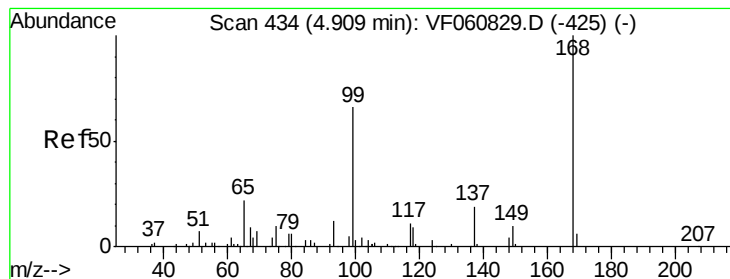
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112918\
Data File : VF060876.D
Acq On : 29 Nov 2018 19:42
Operator : VA/AP
Sample : J5771-11
Misc : 6.05a/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

Quant Time: Nov 30 06:00:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

ClientSampleId :

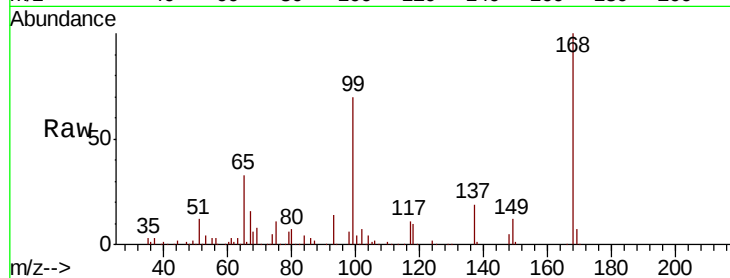
EO-02-112918-C

Tot Ion:168 Resp: 185131

Ion Ratio Lower Upper

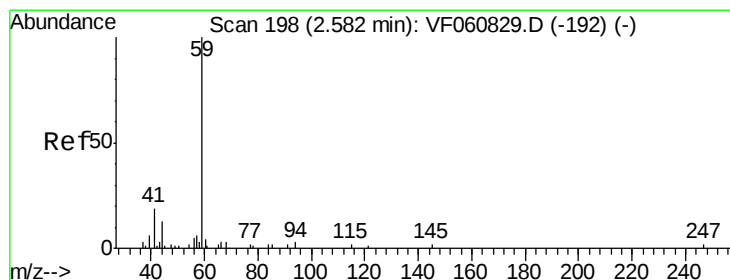
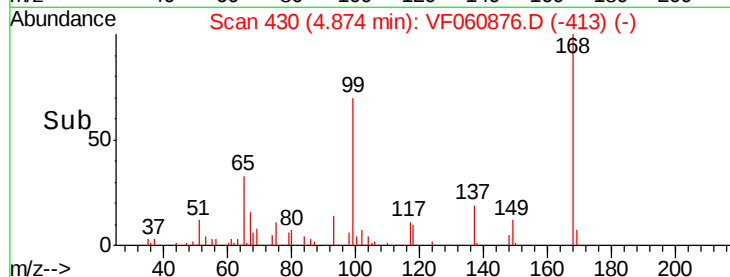
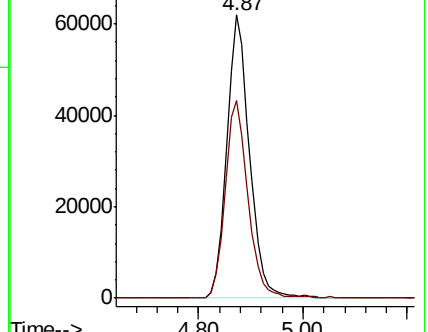
168 100

99 69.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 3.557 ug/l

RT: 2.57 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF060876.D

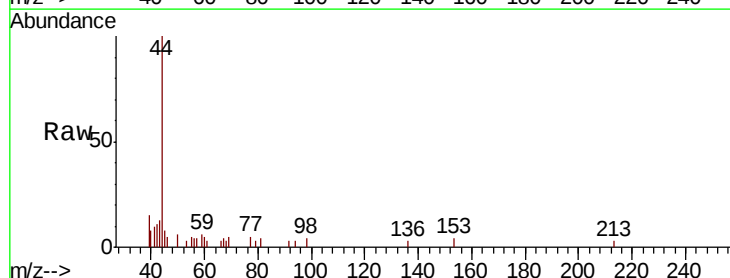
Acq: 29 Nov 2018 19:42

Tgt Ion: 59 Resp: 318

Ion Ratio Lower Upper

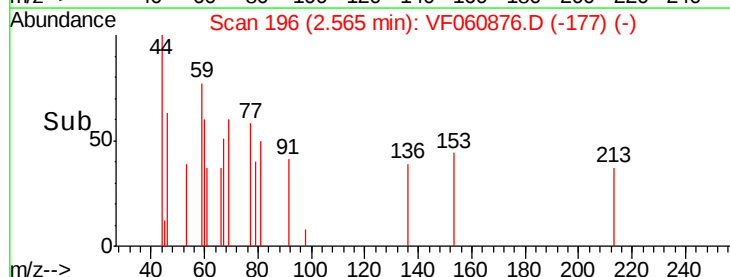
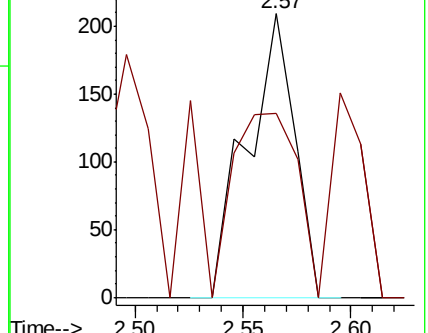
59 100

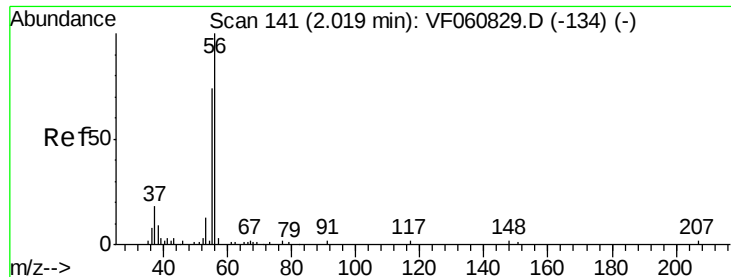
57 65.1 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 9.397 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

ClientSampleId :

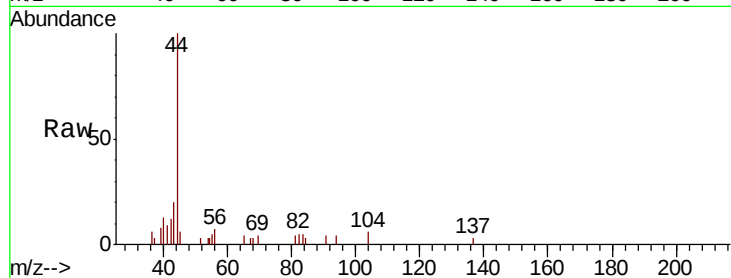
EO-02-112918-C

Tot Ion: 56 Resp: 796

Ion Ratio Lower Upper

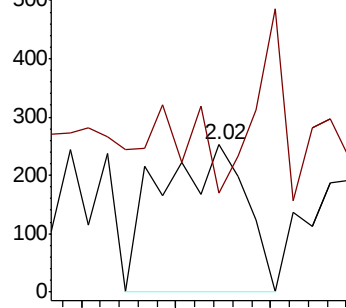
56 100

55 67.5 61.2 91.8

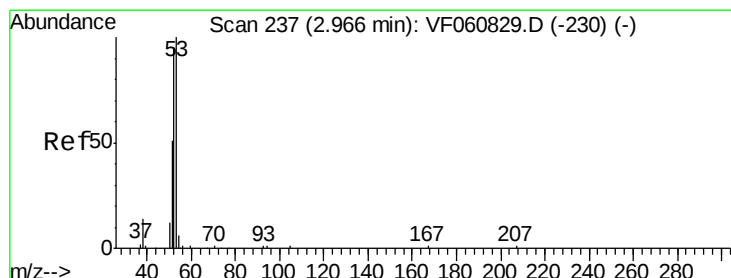
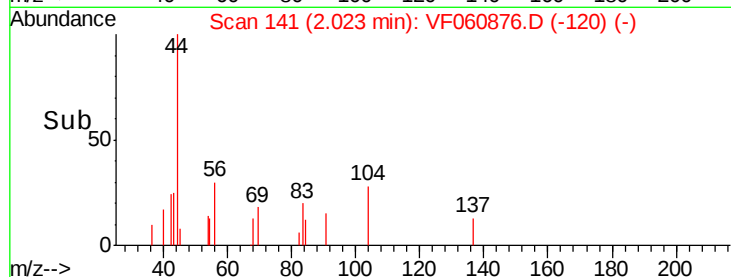


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 3.088 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.03 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

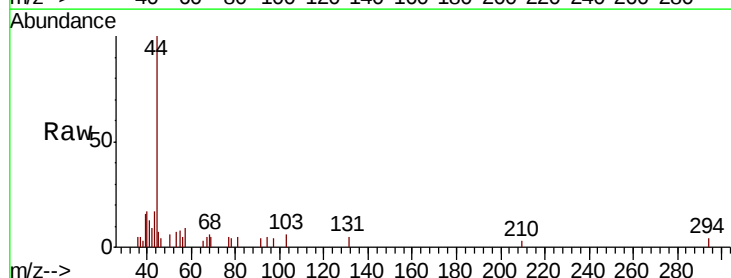
Tgt Ion: 53 Resp: 619

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

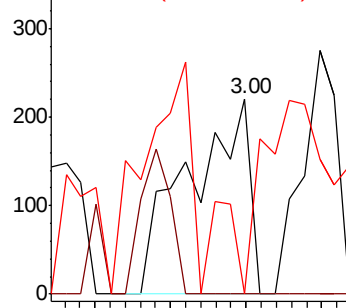
51 0.0 40.7 61.1#



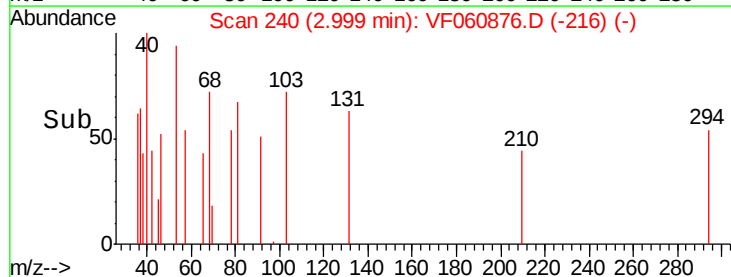
Abundance Ion 53.00 (52.70 to 53.70): VF0

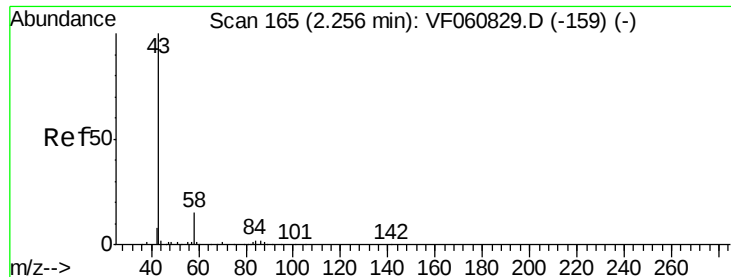
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->

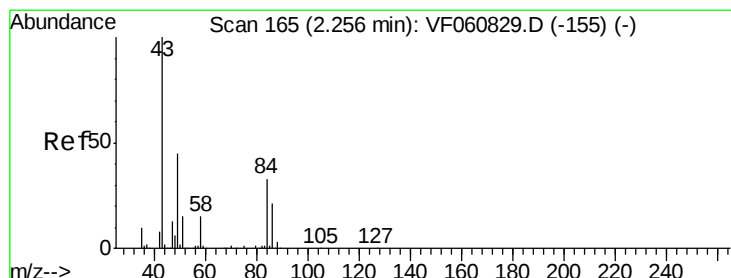
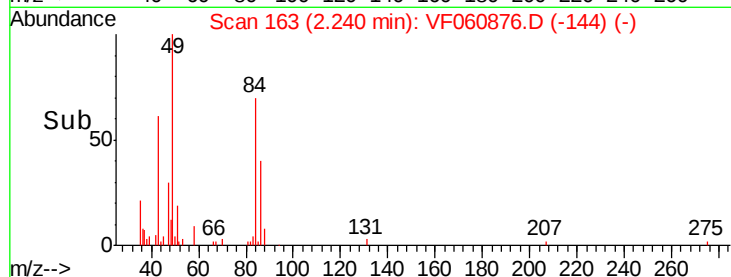
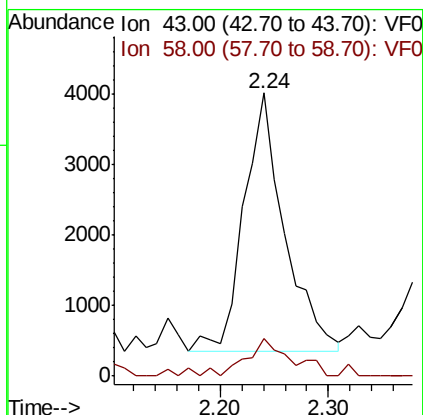
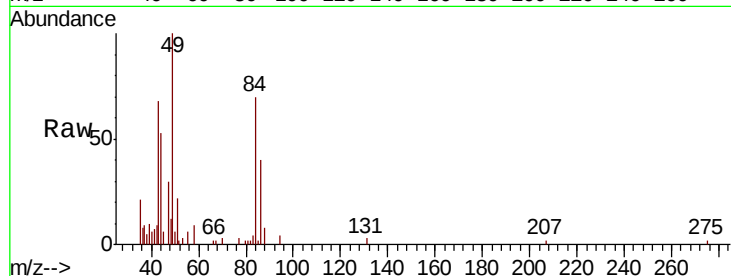




#16
Acetone
Concen: 23.885 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

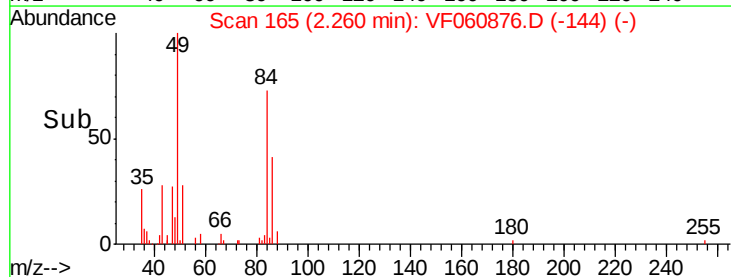
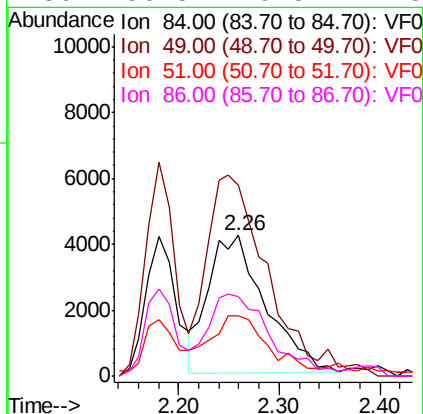
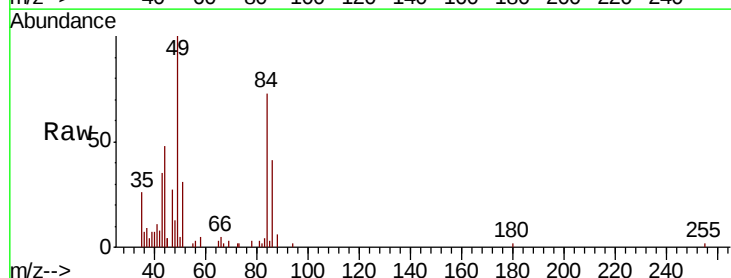
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

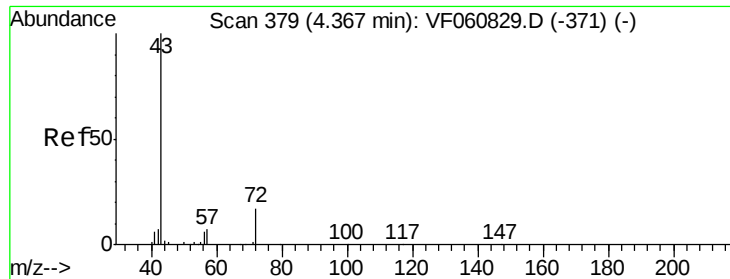
Tot Ion: 43 Resp: 9606
Ion Ratio Lower Upper
43 100
58 13.1 11.4 17.2



#20
Methylene Chloride
Concen: 11.219 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

Tgt Ion: 84 Resp: 16553
Ion Ratio Lower Upper
84 100
49 136.2 111.3 166.9
51 42.8 38.0 57.0
86 56.5 49.8 74.8





#25

2-Butanone

Concen: 2.271 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

ClientSampleId :

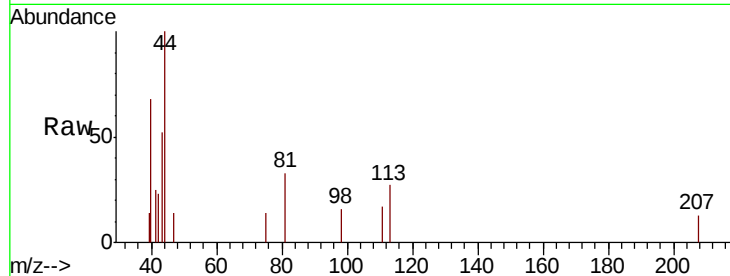
EO-02-112918-C

Tot Ion: 43 Resp: 1580

Ion Ratio Lower Upper

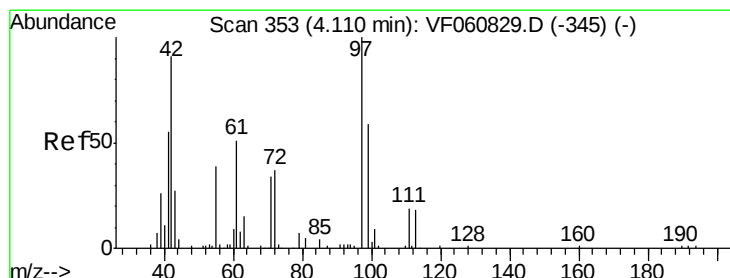
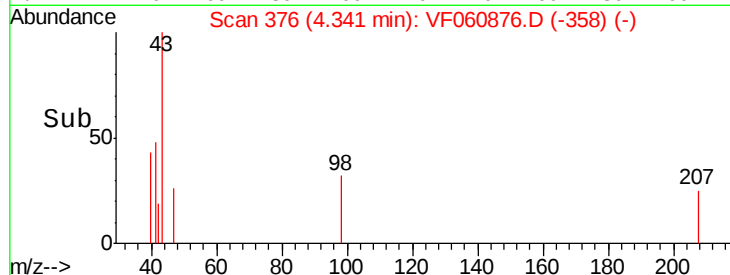
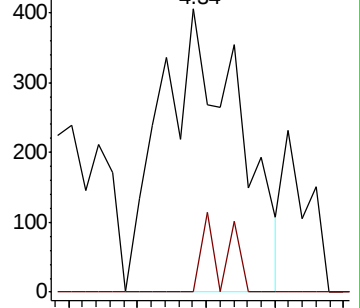
43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 1.964 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

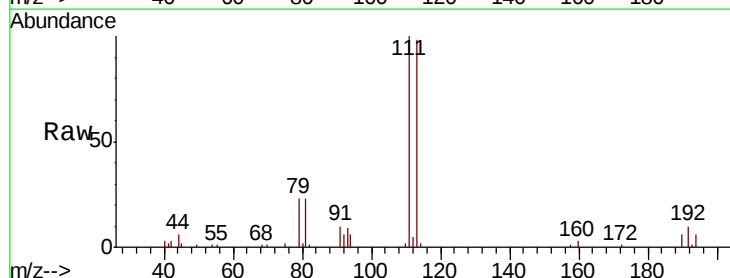
Tgt Ion: 42 Resp: 579

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

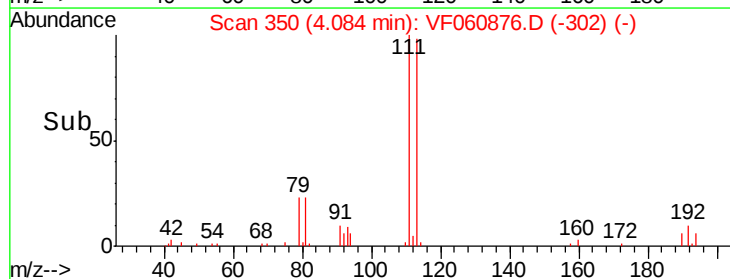
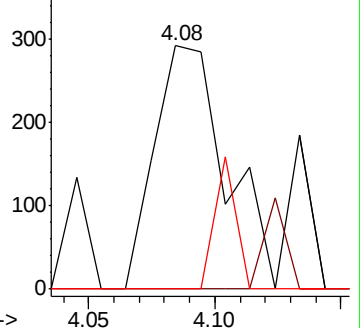
71 0.0 28.7 43.1#

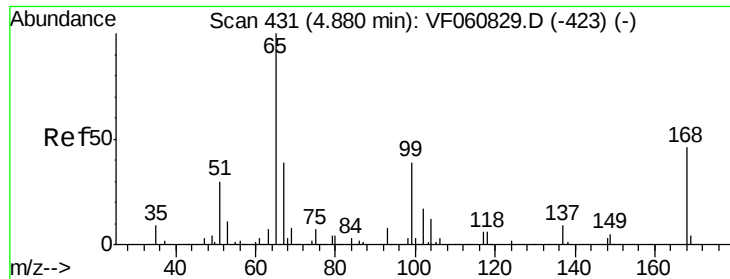


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

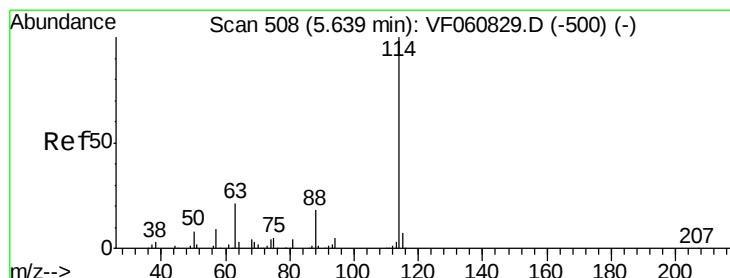
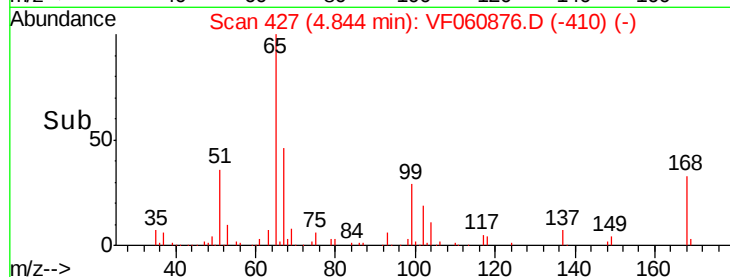
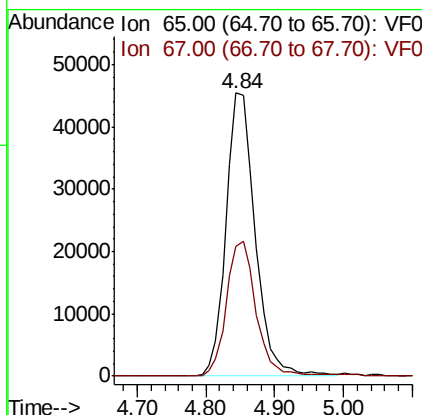
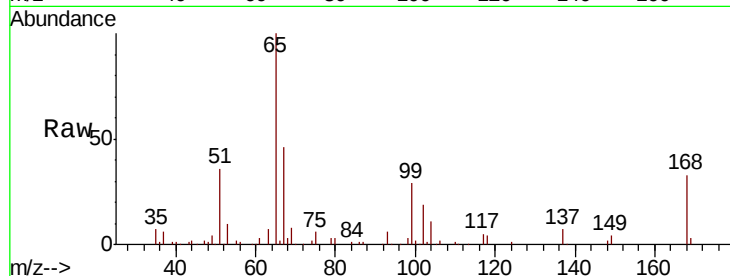




#33
 1,2-Dichloroethane-d4
 Concen: 61.265 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF060876.D
 Acq: 29 Nov 2018 19:42

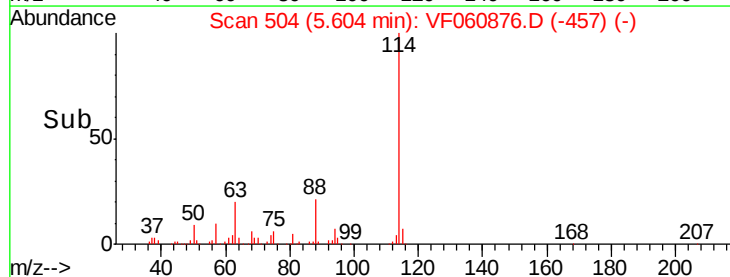
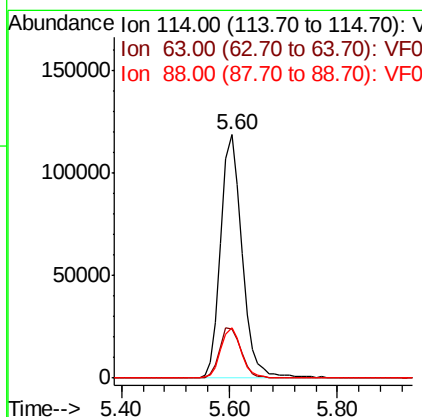
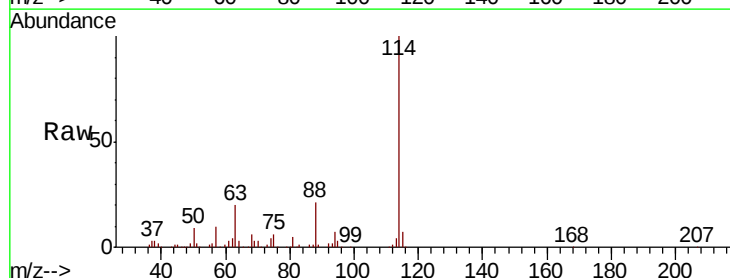
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-C

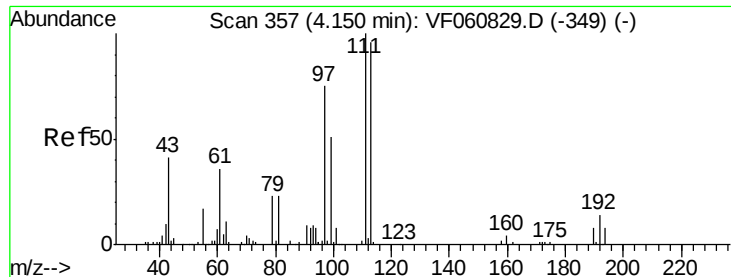
Tot Ion: 65 Resp: 133614
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF060876.D
 Acq: 29 Nov 2018 19:42

Tgt Ion: 114 Resp: 328157
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.6
 88 20.9 0.0 36.6

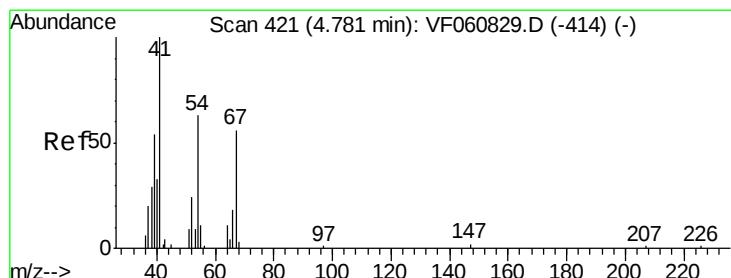
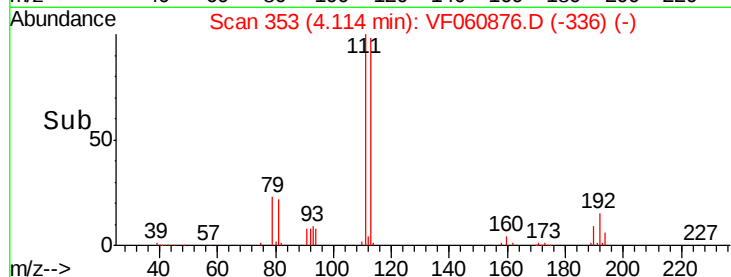
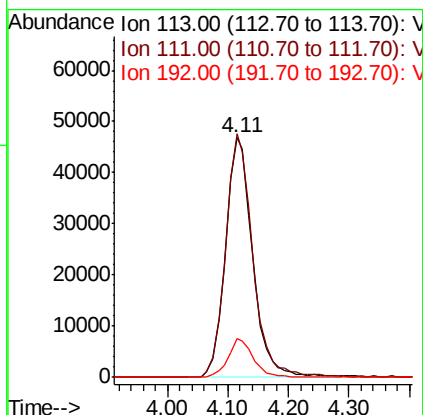
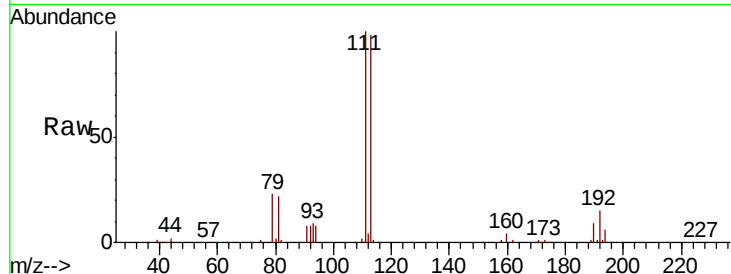




#35
Dibromofluoromethane
Concen: 55.957 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

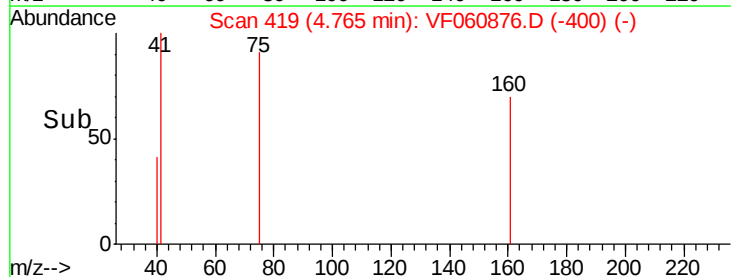
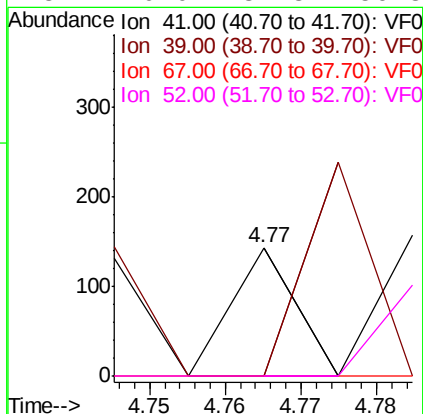
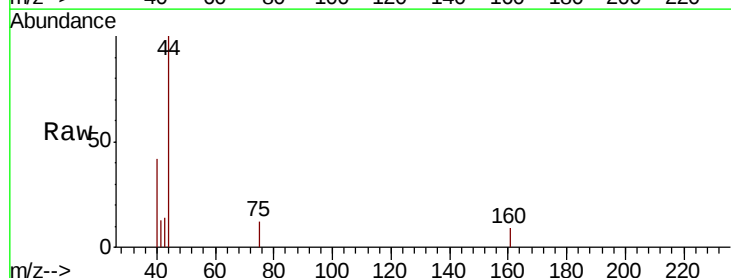
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

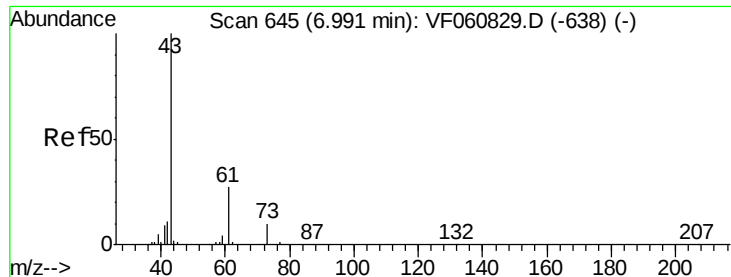
Tot Ion:113 Resp: 145677
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.6
192 16.4 12.3 18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.77 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

Tgt Ion: 41 Resp: 85
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



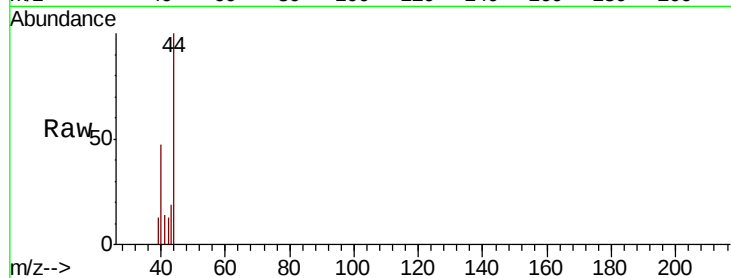


#43

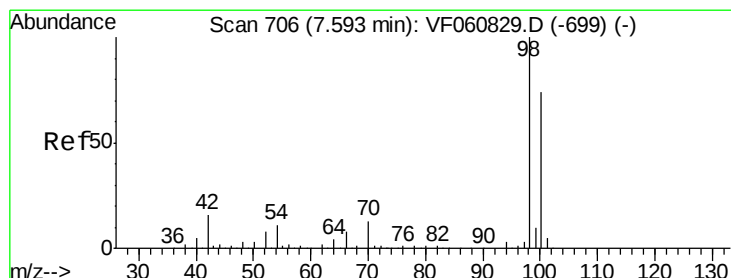
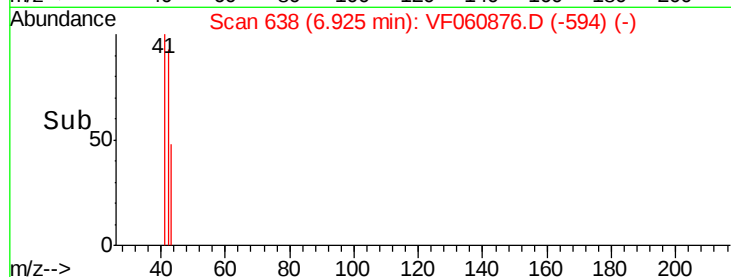
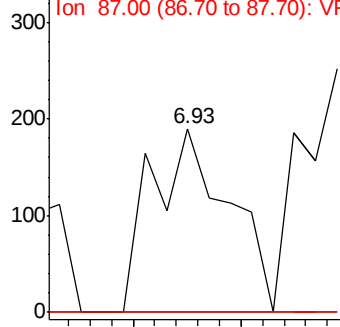
Isopropyl Acetate
 Concen: Below Cal
 RT: 6.93 min Scan# 638
 Delta R.T. -0.06 min
 Lab File: VF060876.D
 Acq: 29 Nov 2018 19:42

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-C

Tot Ion: 43 Resp: 470
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#



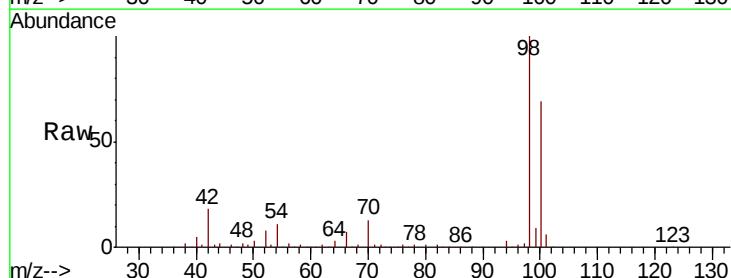
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



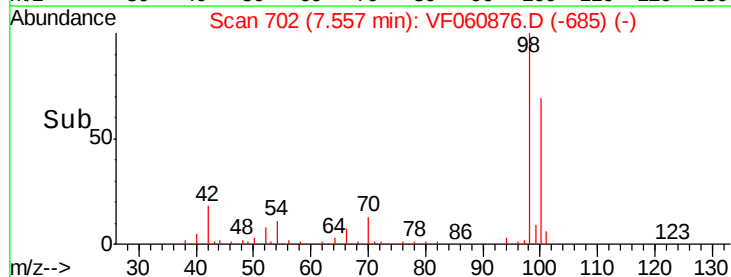
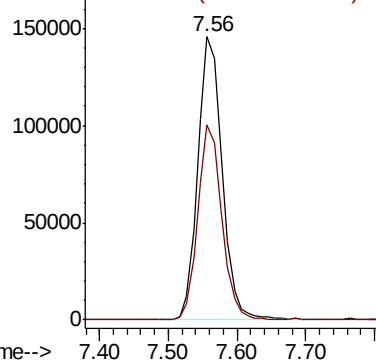
#50

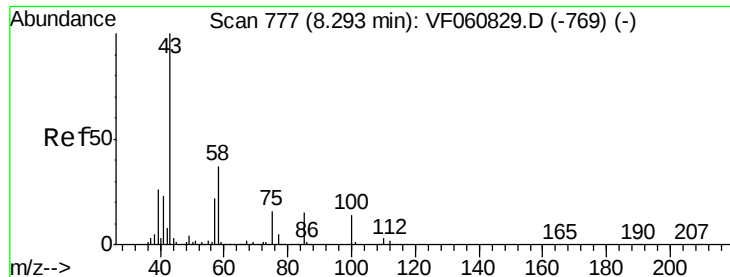
Toluene-d8
 Concen: 46.639 ug/l
 RT: 7.56 min Scan# 702
 Delta R.T. -0.04 min
 Lab File: VF060876.D
 Acq: 29 Nov 2018 19:42

Tgt Ion: 98 Resp: 357661
 Ion Ratio Lower Upper
 98 100
 100 69.0 59.3 88.9



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: 1.173 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

ClientSampleId :

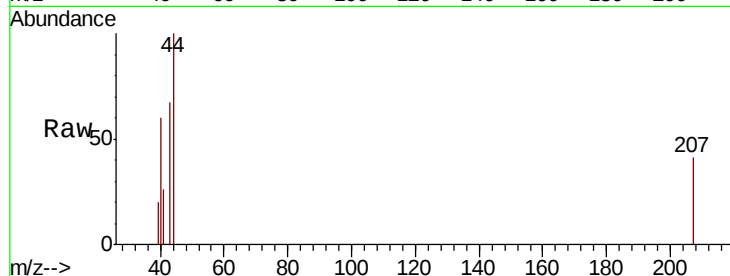
EO-02-112918-C

Tot Ion: 43 Resp: 1600

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

500

400

300

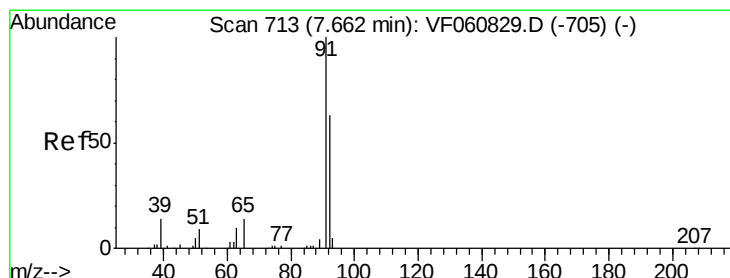
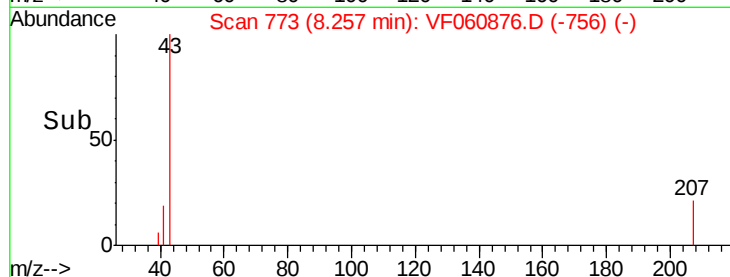
200

100

0

8.20 8.25 8.30 8.35

Time-->



#52

Toluene

Concen: 1.073 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060876.D

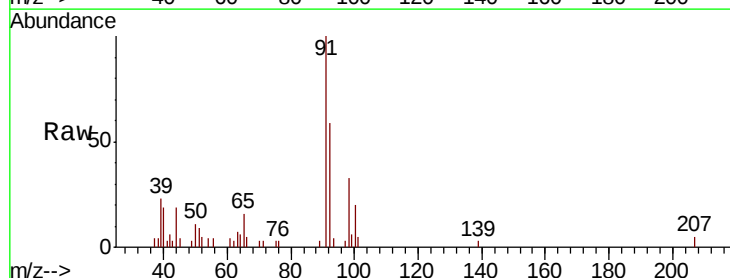
Acq: 29 Nov 2018 19:42

Tgt Ion: 92 Resp: 6061

Ion Ratio Lower Upper

92 100

91 170.0 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

5000

4000

3000

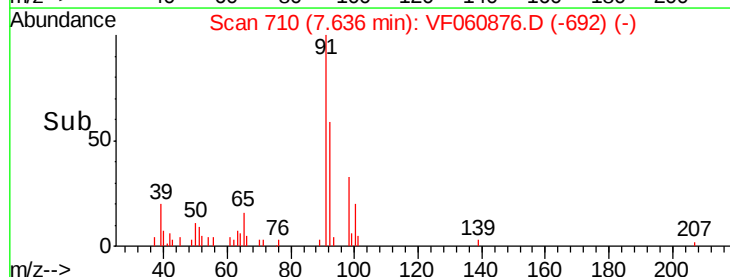
2000

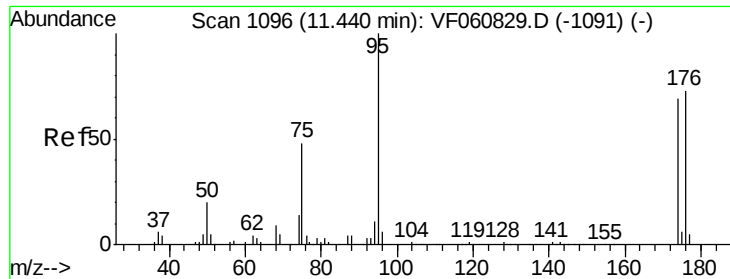
1000

0

7.55 7.60 7.65 7.70

Time-->





#62

4-Bromofluorobenzene

Concen: 48.282 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-C

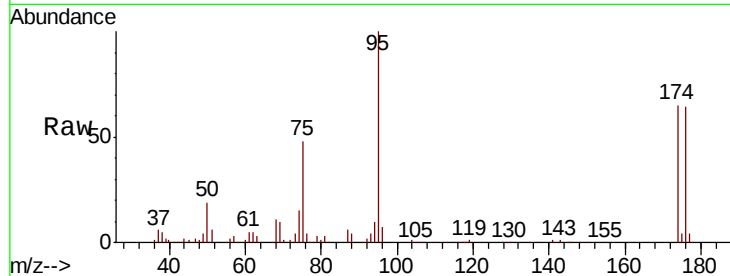
Tot Ion: 95 Resp: 168278

Ion Ratio Lower Upper

95 100

174 64.9 0.0 138.2

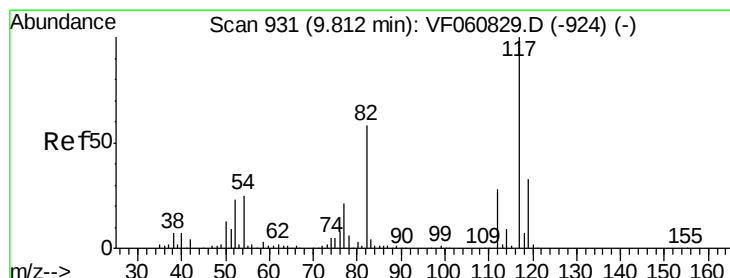
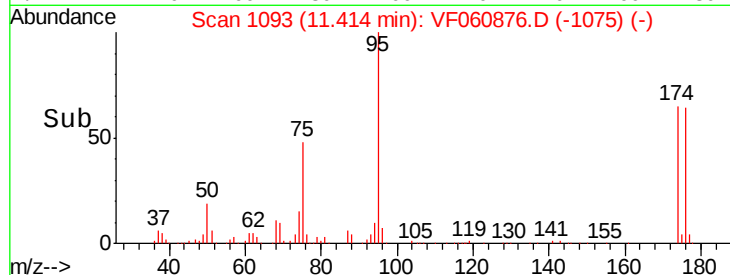
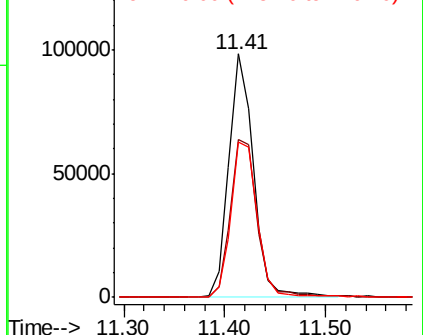
176 63.9 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.04 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

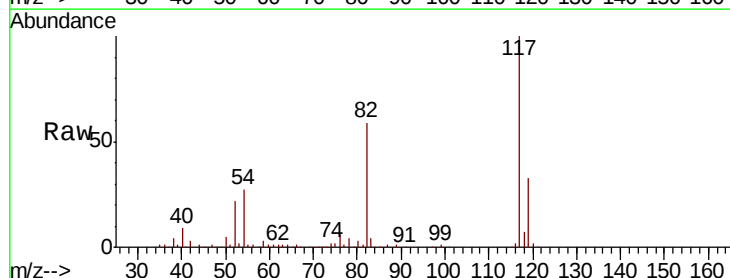
Tgt Ion: 117 Resp: 298745

Ion Ratio Lower Upper

117 100

82 59.5 46.6 69.8

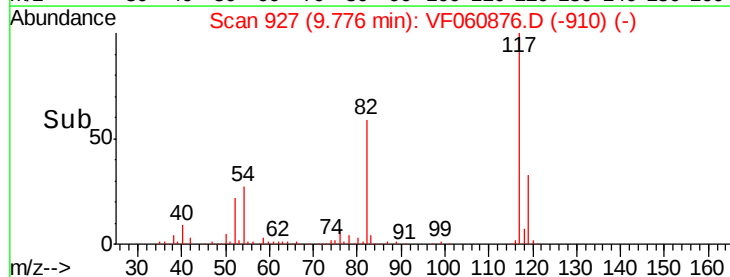
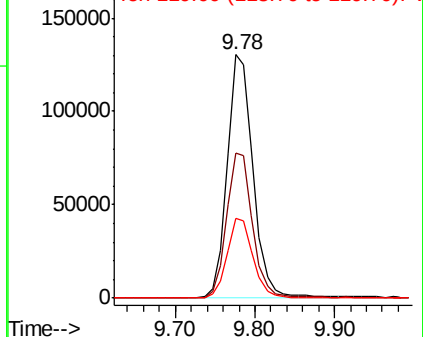
119 32.7 26.4 39.6

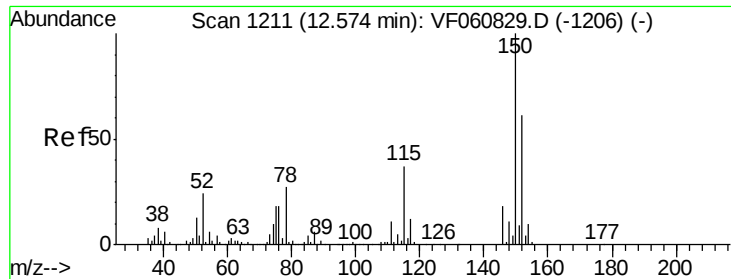


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



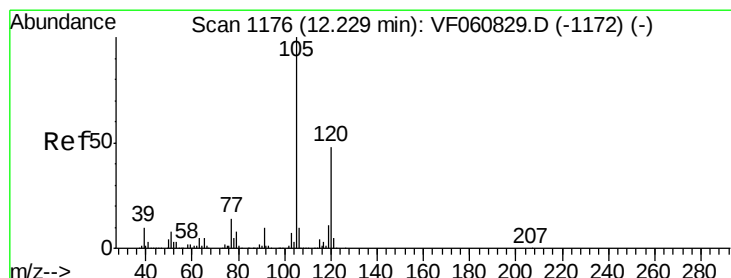
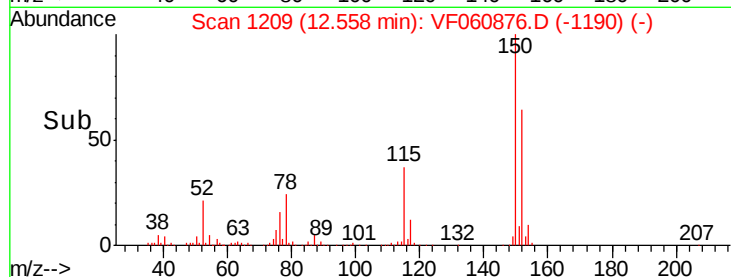
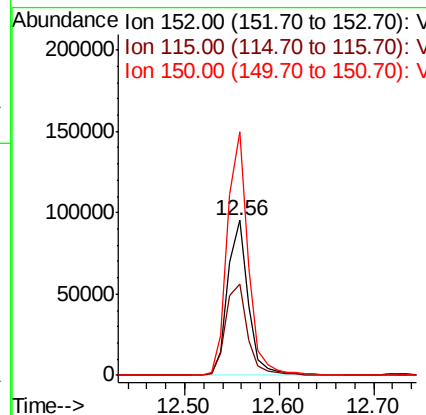
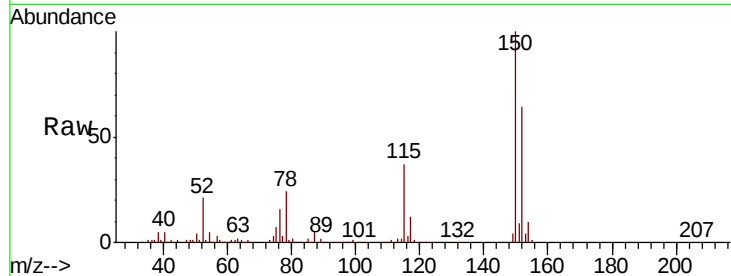


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

Tot Ion:152 Resp: 143927
Ion Ratio Lower Upper
152 100
115 58.8 30.1 90.5
150 157.1 0.0 327.6



#84

1,2,4-Trimethylbenzene
Concen: 1.481 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

Tgt Ion:105 Resp: 13650
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.5

