

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060880.D
 Acq On : 29 Nov 2018 21:36
 Operator : VA/AP
 Sample : J5761-03
 Misc : 7.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 AU-05-112918

Quant Time: Nov 30 06:00:58 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	4.88	168	181669	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	324875	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	265469	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	109587	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	108036	50.48	ug/l	-0.03
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	4.12	113	116239	45.10	ug/l	-0.03
Spiked Amount			Recovery	=	90.20%	
50) Toluene-d8	7.56	98	313385	41.28	ug/l	-0.03
Spiked Amount			Recovery	=	82.56%	
62) 4-Bromofluorobenzene	11.42	95	121563	35.23	ug/l	-0.02
Spiked Amount			Recovery	=	70.46%	

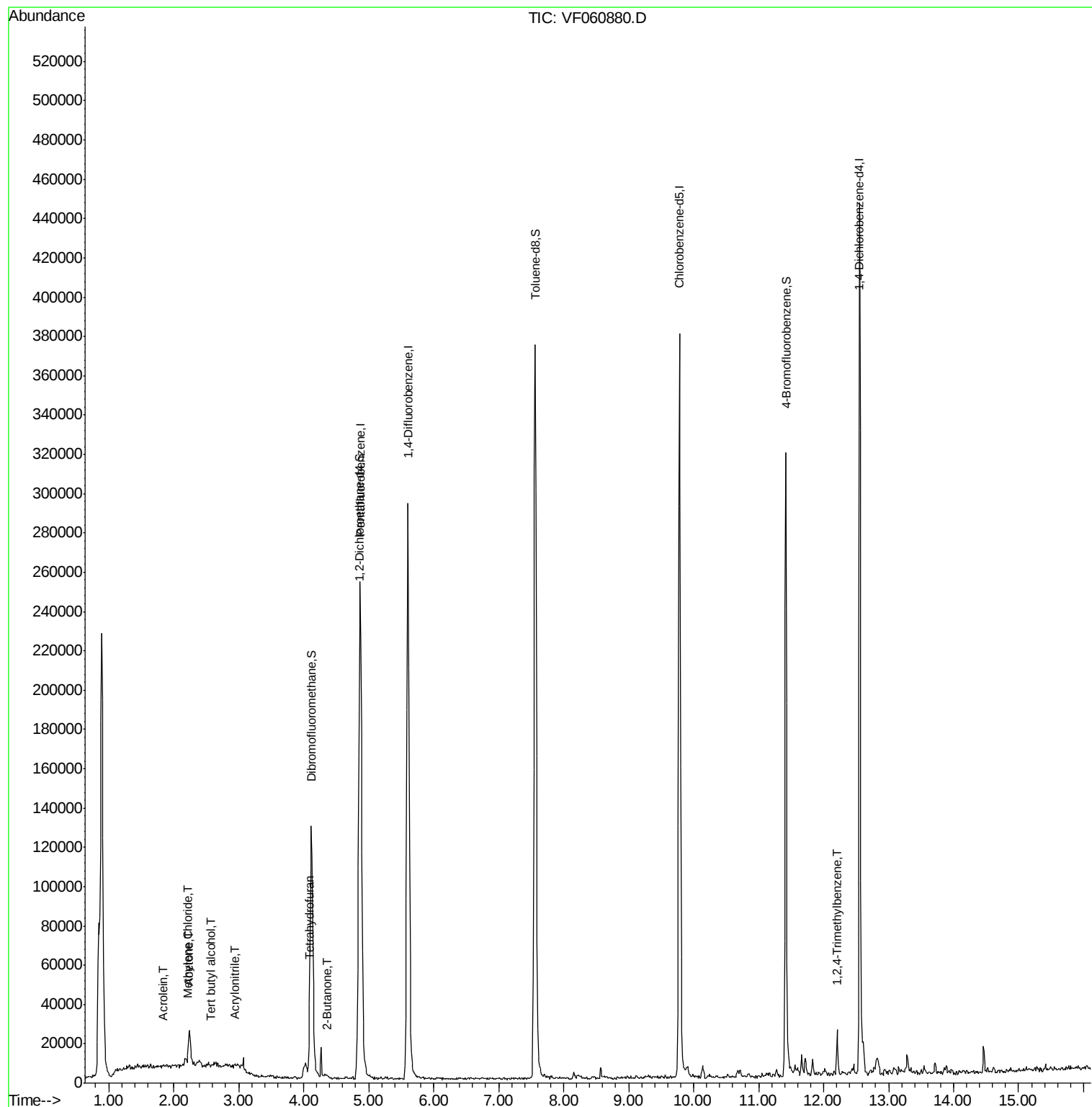
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	234	2.667	ug/l #	1
13) Acrolein	1.85	56	358	4.307	ug/l	85
15) Acrylonitrile	2.95	53	434	2.207	ug/l #	46
16) Acetone	2.24	43	28522	72.271	ug/l	95
20) Methylene Chloride	2.22	84	2692	1.859	ug/l #	83
25) 2-Butanone	4.37	43	4847	7.101	ug/l #	73
29) Tetrahydrofuran	4.08	42	774	2.675	ug/l #	64
41) Methacrylonitrile	4.74	41	457	Below Cal	#	41
43) Isopropyl Acetate	6.97	43	717	Below Cal	#	49
84) 1,2,4-Trimethylbenzene	12.21	105	9370	1.335	ug/l	99
95) Naphthalene	14.46	128	8397	Below Cal		95

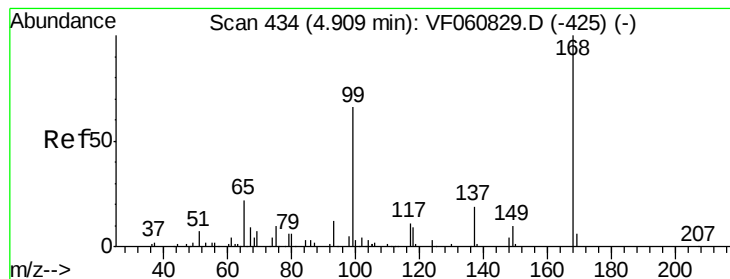
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112918\
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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060880.D

Acq: 29 Nov 2018 21:36

Instrument :

MSVOA_F

ClientSampleId :

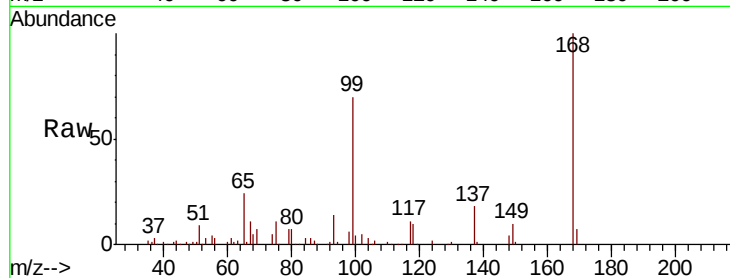
AU-05-112918

Tot Ion:168 Resp: 181669

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

4.88

60000

50000

40000

30000

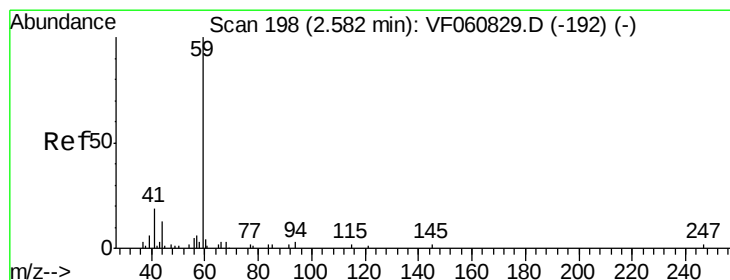
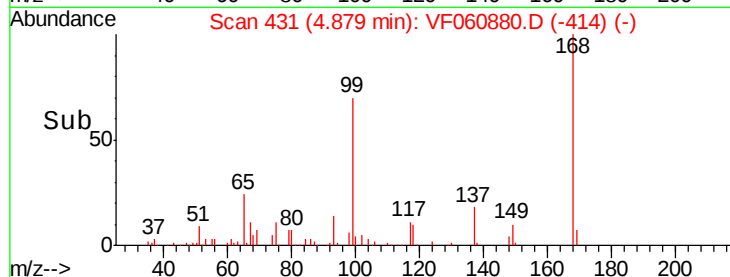
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 2.667 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060880.D

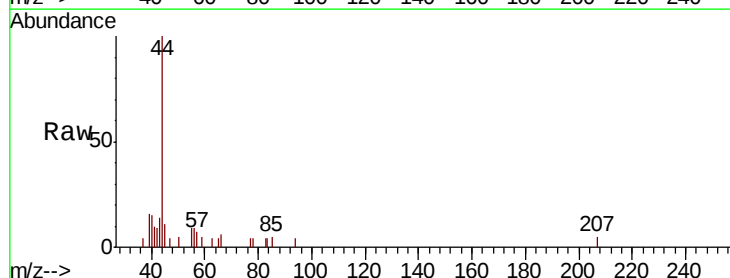
Acq: 29 Nov 2018 21:36

Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

59 100

57 129.3 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

200

150

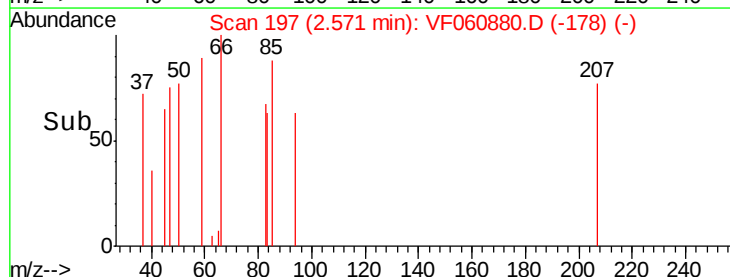
100

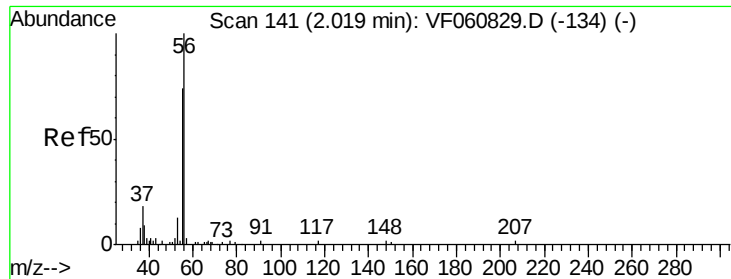
50

0

2.54 2.56 2.58 2.60

Time-->

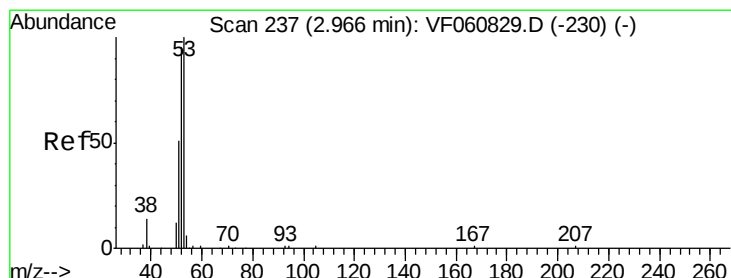
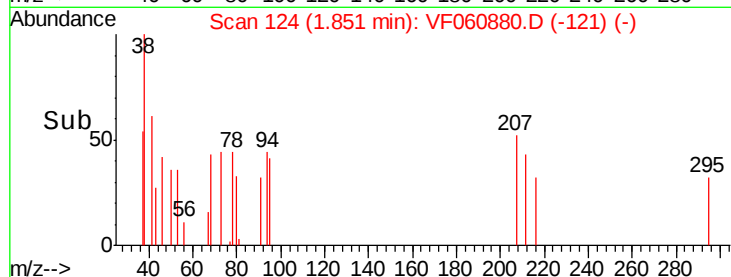
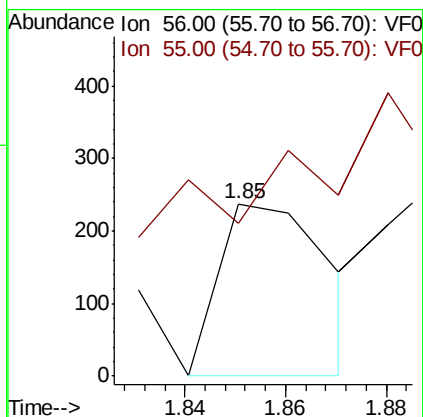
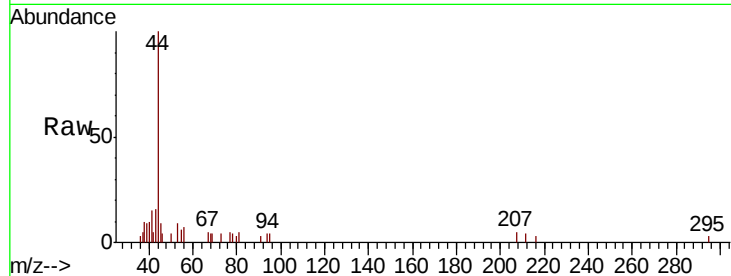




#13
Acrolein
Concen: 4.307 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.17 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

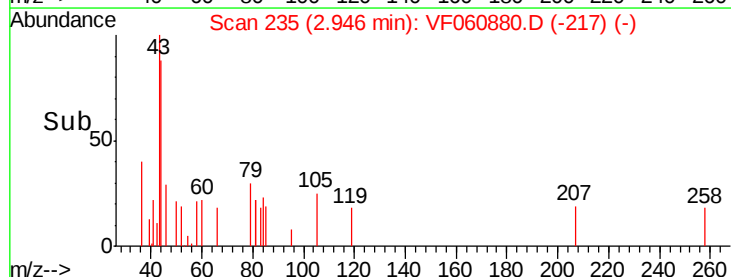
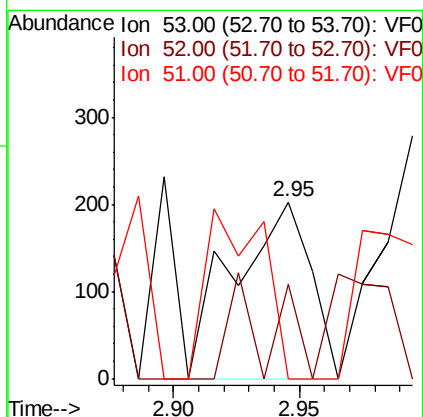
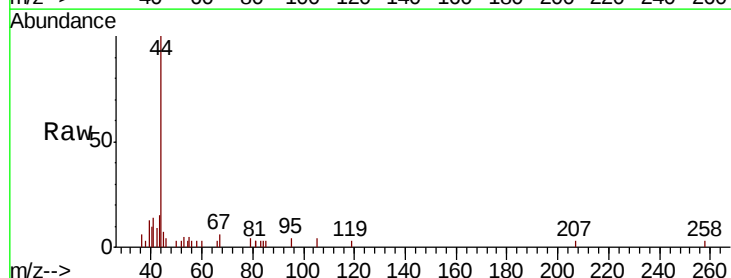
Instrument :
MSVOA_F
ClientSampleId :
AU-05-112918

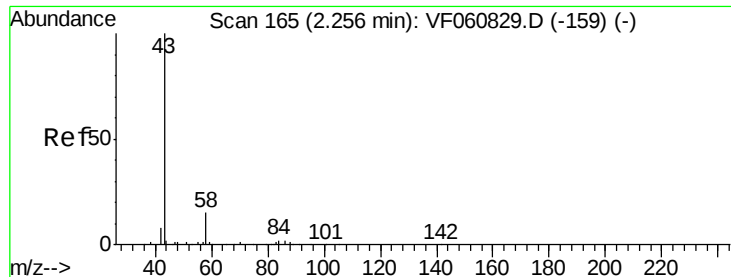
Tot Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 89.0 61.2 91.8



#15
Acrylonitrile
Concen: 2.207 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.02 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

Tgt Ion: 53 Resp: 434
Ion Ratio Lower Upper
53 100
52 53.2 76.5 114.7#
51 0.0 40.7 61.1#

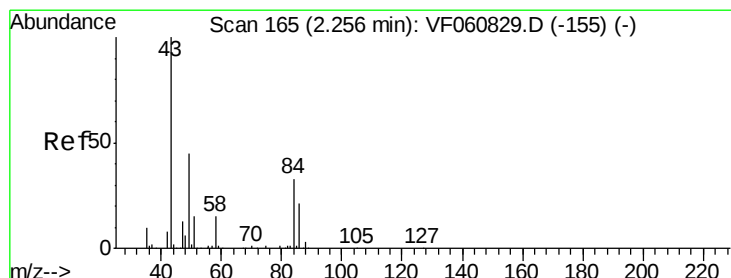
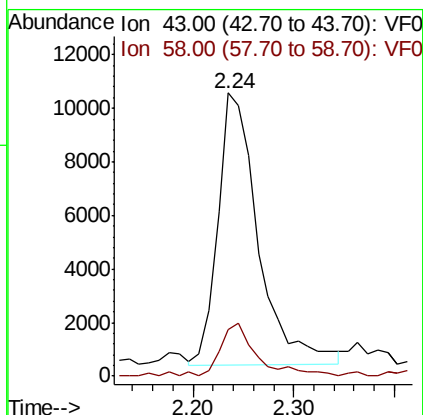
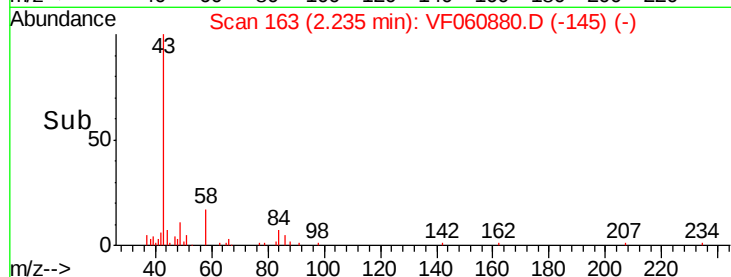
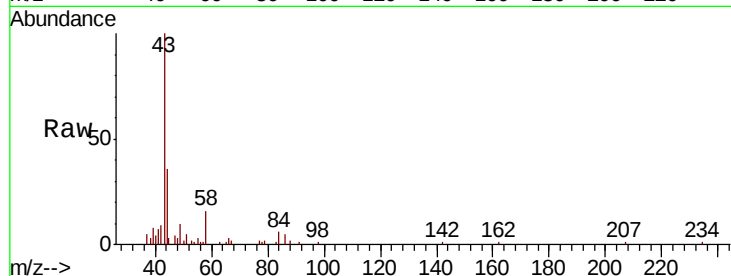




#16
Acetone
Concen: 72.271 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

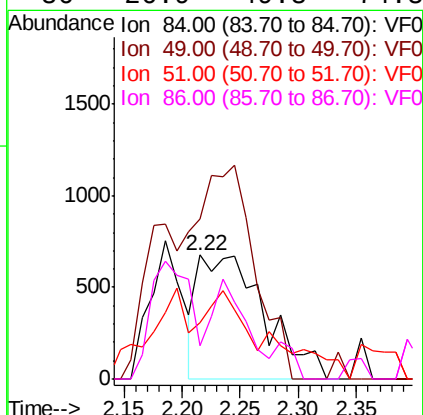
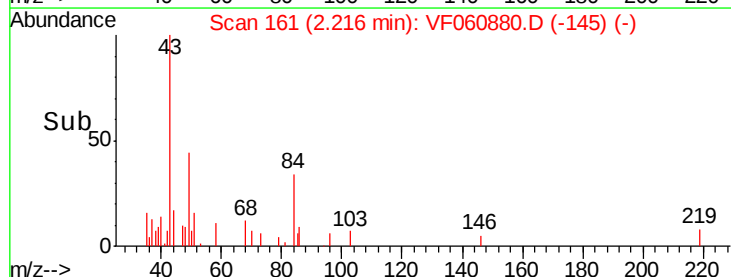
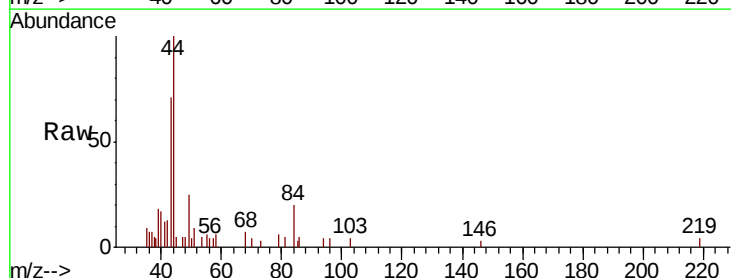
Instrument :
MSVOA_F
ClientSampleId :
AU-05-112918

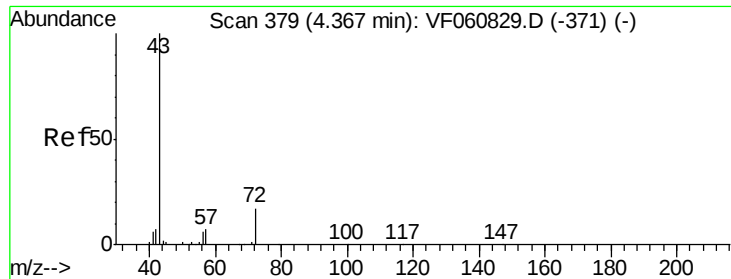
Tot Ion: 43 Resp: 28522
Ion Ratio Lower Upper
43 100
58 16.2 11.4 17.2



#20
Methylene Chloride
Concen: 1.859 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.04 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

Tgt Ion: 84 Resp: 2692
Ion Ratio Lower Upper
84 100
49 129.0 111.3 166.9
51 45.5 38.0 57.0
86 26.9 49.8 74.8#





#25

2-Butanone

Concen: 7.101 ug/l

RT: 4.37 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF060880.D

Acq: 29 Nov 2018 21:36

Instrument :

MSVOA_F

ClientSampleId :

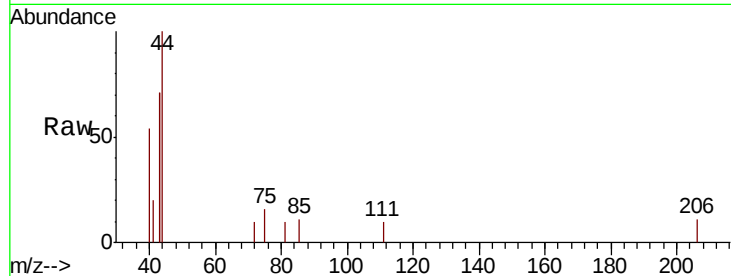
AU-05-112918

Tot Ion: 43 Resp: 4847

Ion Ratio Lower Upper

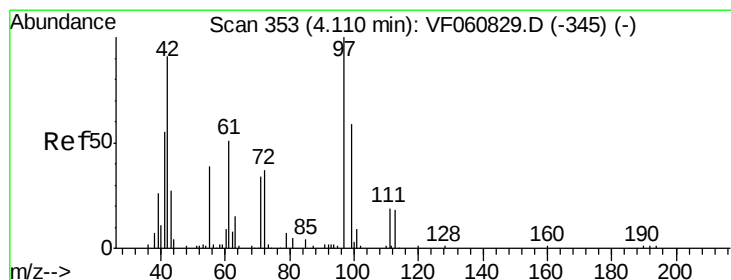
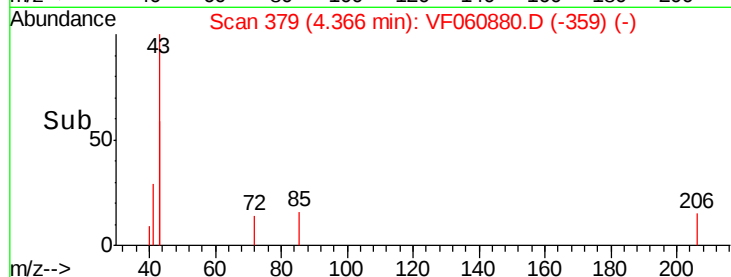
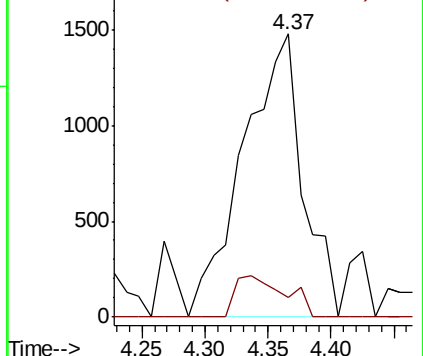
43 100

72 7.2 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: 2.675 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060880.D

Acq: 29 Nov 2018 21:36

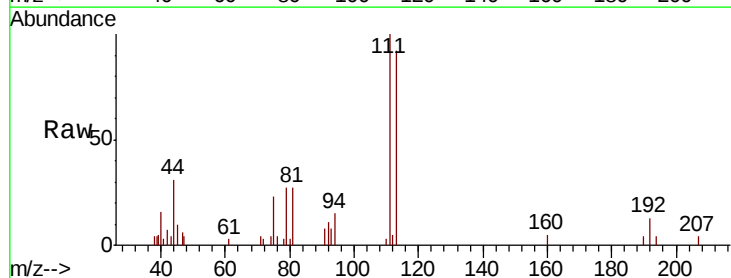
Tgt Ion: 42 Resp: 774

Ion Ratio Lower Upper

42 100

72 21.1 31.9 47.9#

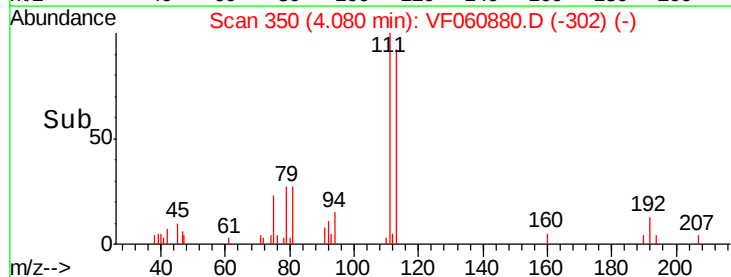
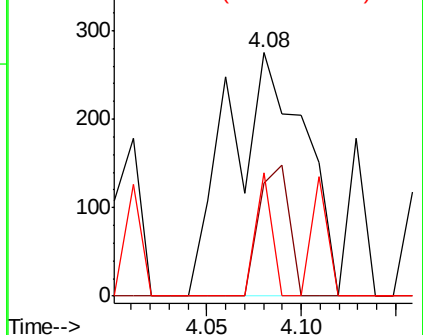
71 10.7 28.7 43.1#

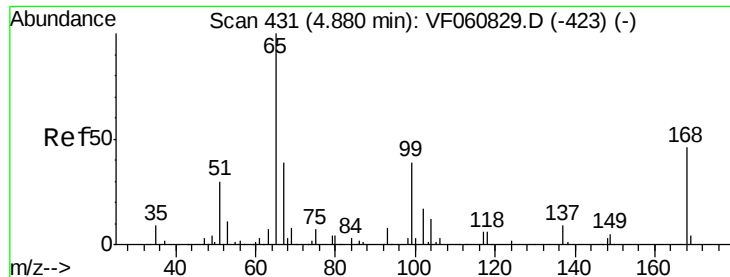


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.481 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060880.D

Acq: 29 Nov 2018 21:36

Instrument :

MSVOA_F

ClientSampleId :

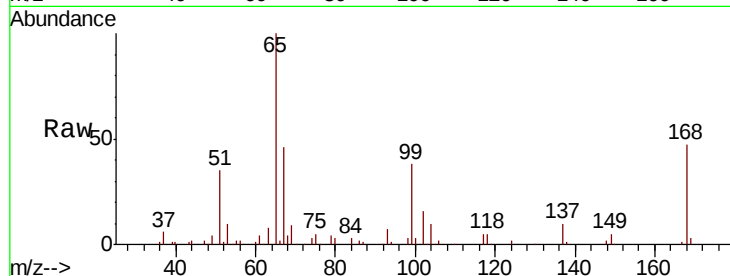
AU-05-112918

Tot Ion: 65 Resp: 108036

Ion Ratio Lower Upper

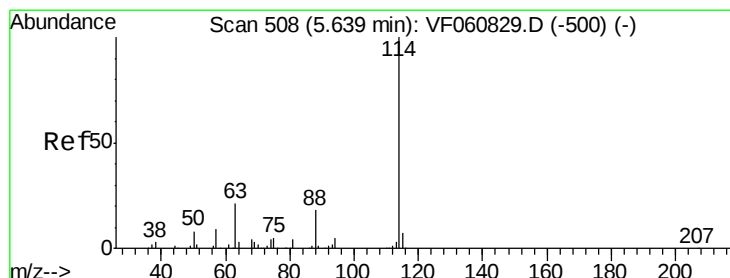
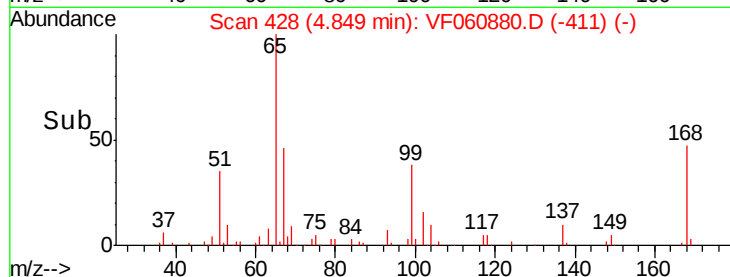
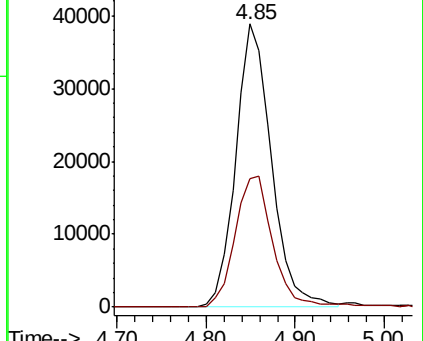
65 100

67 45.6 0.0 96.4



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: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060880.D

Acq: 29 Nov 2018 21:36

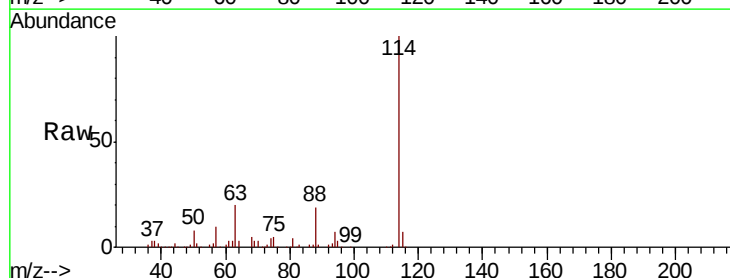
Tgt Ion: 114 Resp: 324875

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

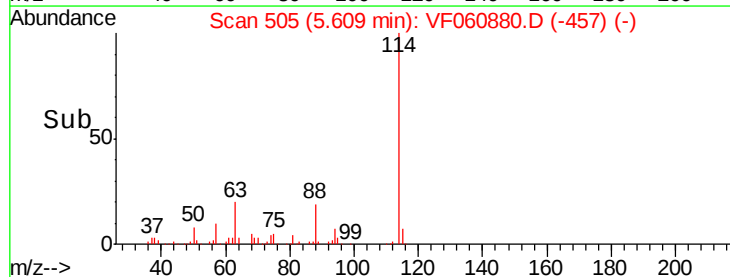
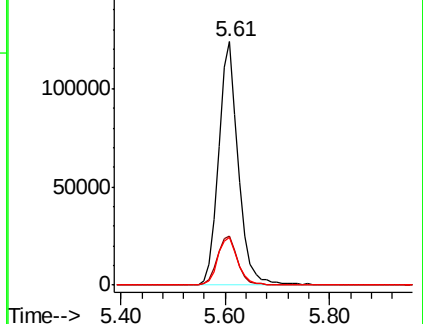
88 19.4 0.0 36.6

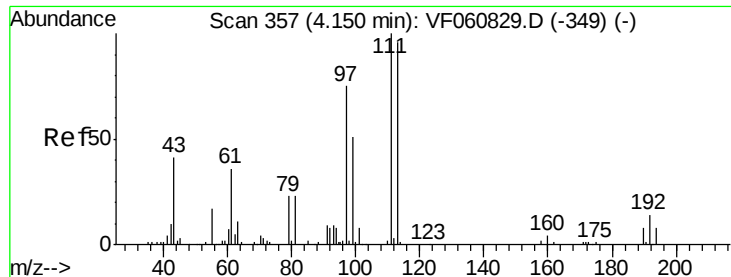


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

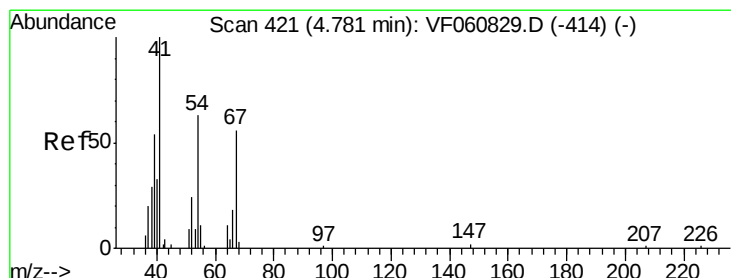
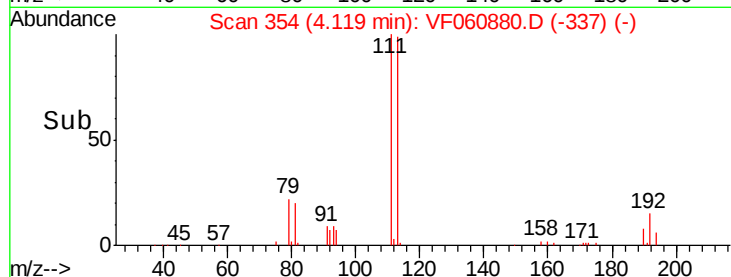
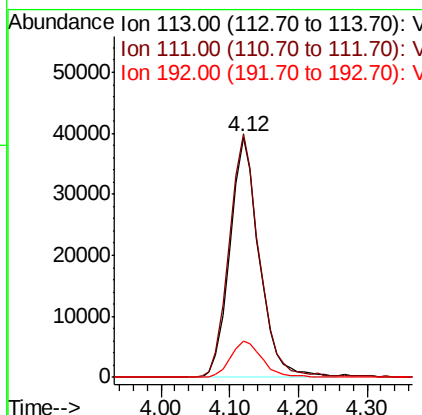
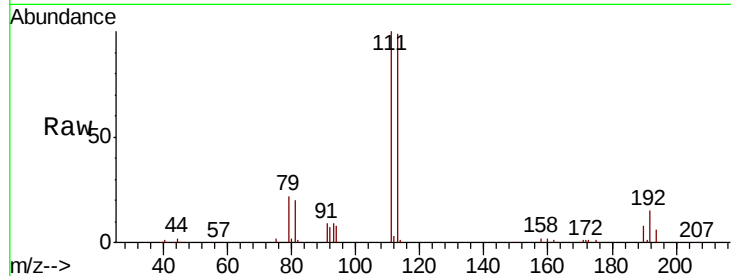




#35
Dibromofluoromethane
Concen: 45.101 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

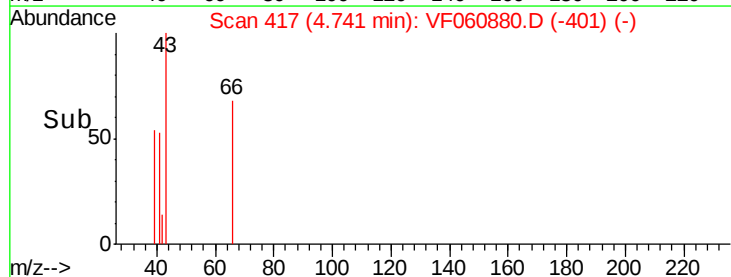
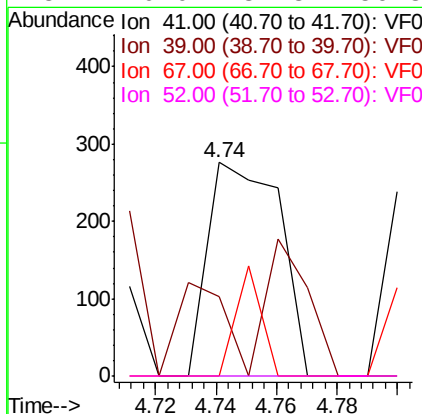
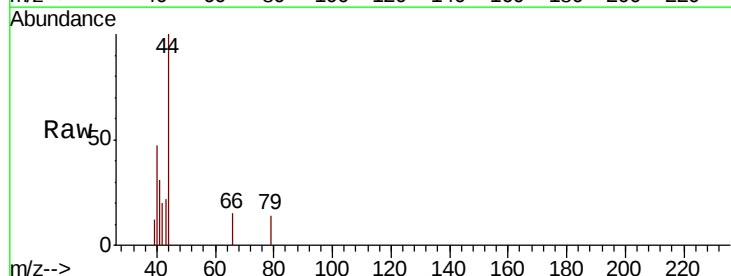
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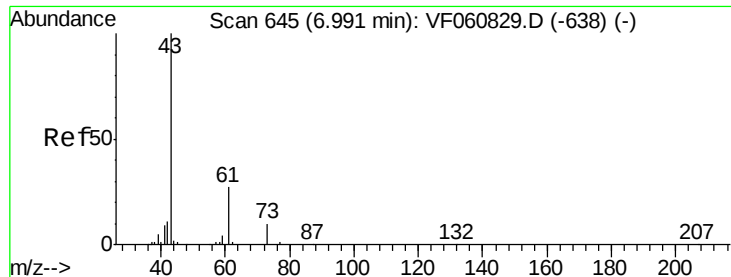
Tot Ion:113 Resp: 116239
Ion Ratio Lower Upper
113 100
111 101.5 83.0 124.6
192 15.1 12.3 18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

Tgt Ion: 41 Resp: 457
Ion Ratio Lower Upper
41 100
39 37.3 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



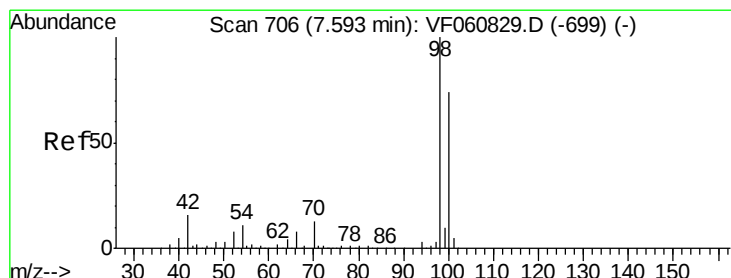
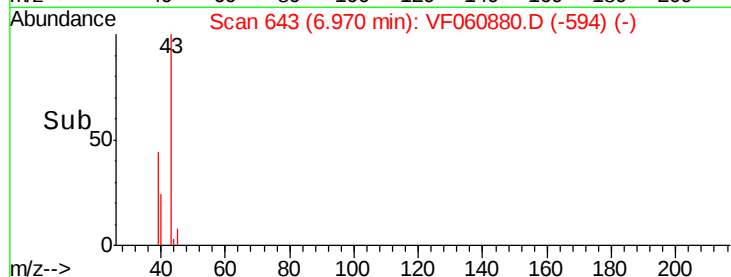
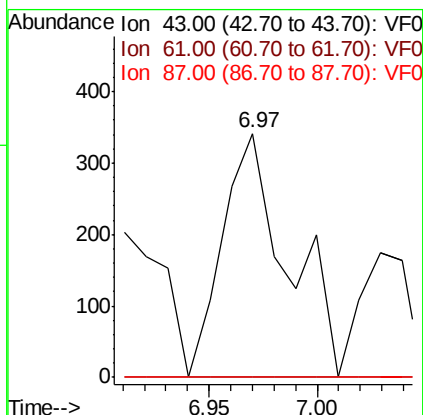
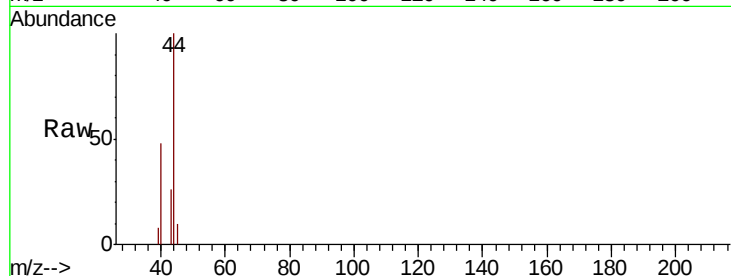


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.97 min Scan# 643
 Delta R.T. -0.02 min
 Lab File: VF060880.D
 Acq: 29 Nov 2018 21:36

Instrument :
 MSVOA_F
 ClientSampleId :
 AU-05-112918

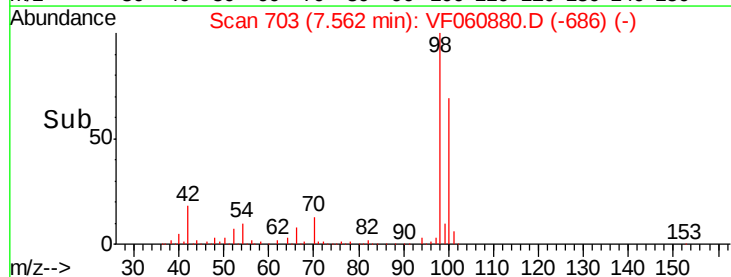
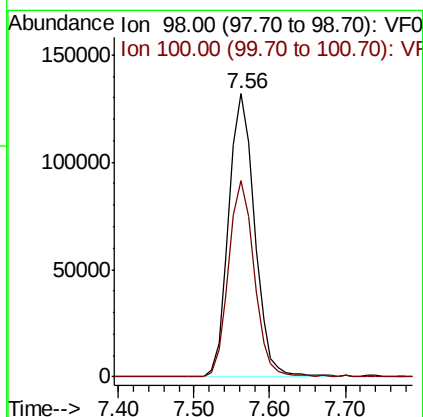
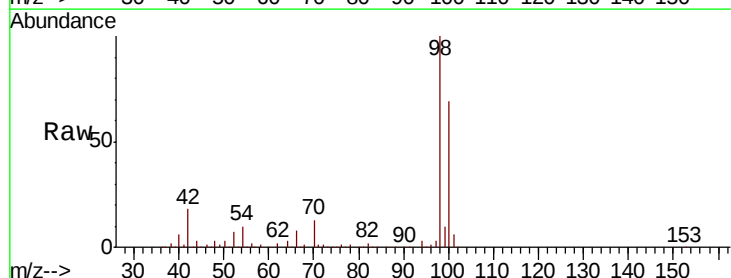
Tot Ion: 43 Resp: 717
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

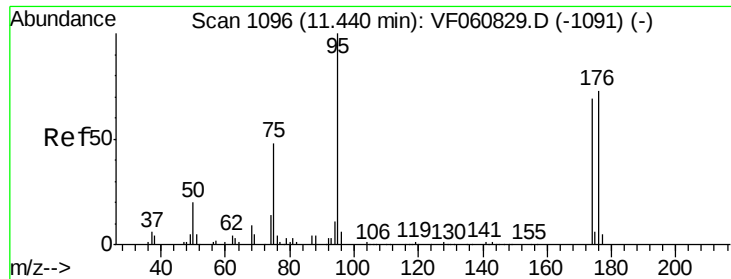


#50

Toluene-d8
 Concen: 41.278 ug/l
 RT: 7.56 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VF060880.D
 Acq: 29 Nov 2018 21:36

Tgt Ion: 98 Resp: 313385
 Ion Ratio Lower Upper
 98 100
 100 69.4 59.3 88.9

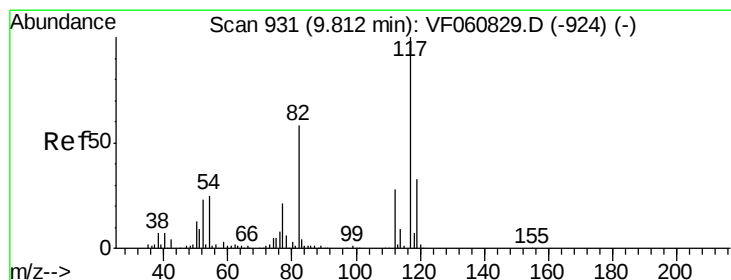
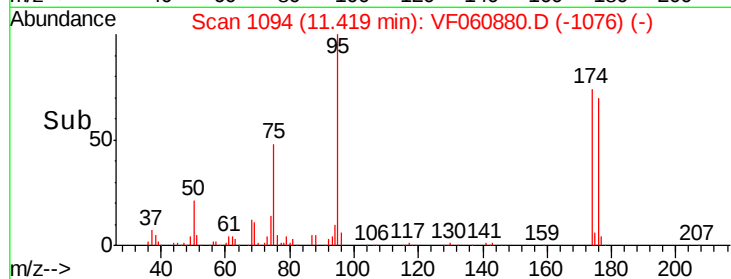
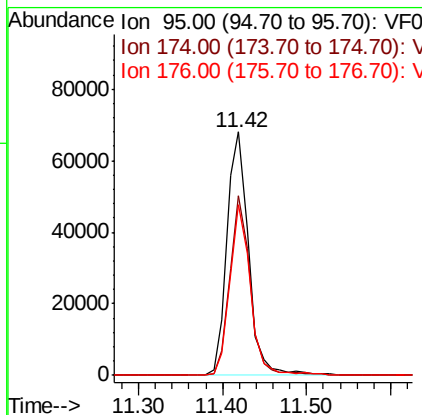
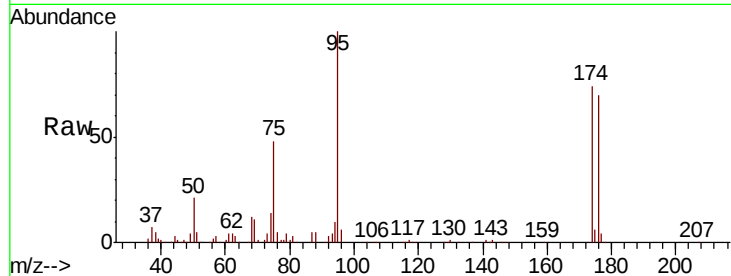




#62
4-Bromofluorobenzene
Concen: 35.231 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

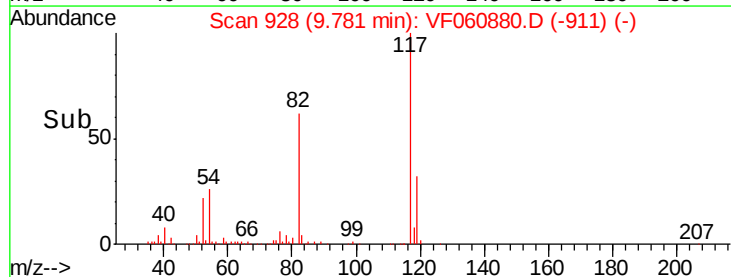
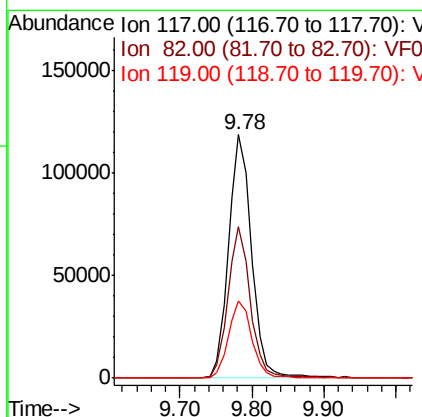
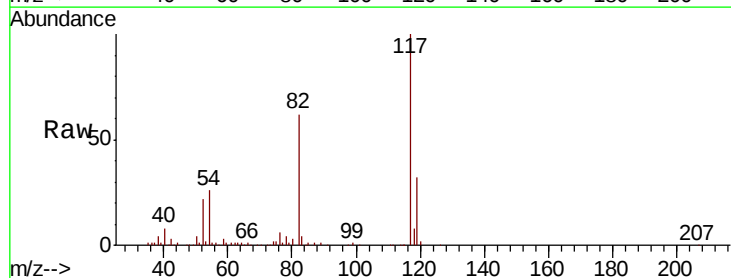
Instrument :
MSVOA_F
ClientSampleId :
AU-05-112918

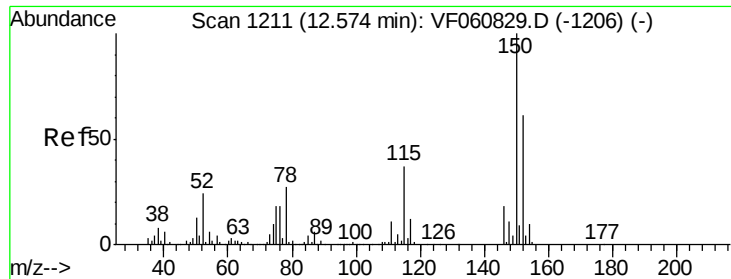
Tot Ion: 95 Resp: 121563
Ion Ratio Lower Upper
95 100
174 73.9 0.0 138.2
176 70.1 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

Tgt Ion: 117 Resp: 265469
Ion Ratio Lower Upper
117 100
82 62.3 46.6 69.8
119 31.6 26.4 39.6



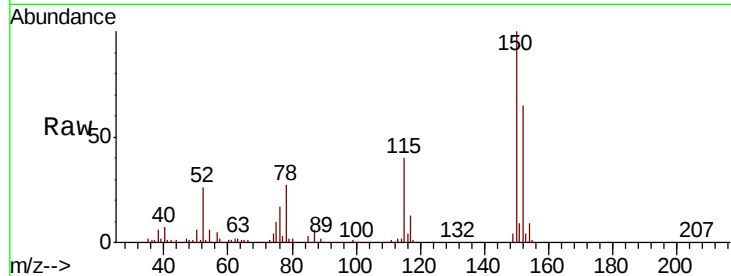


#72

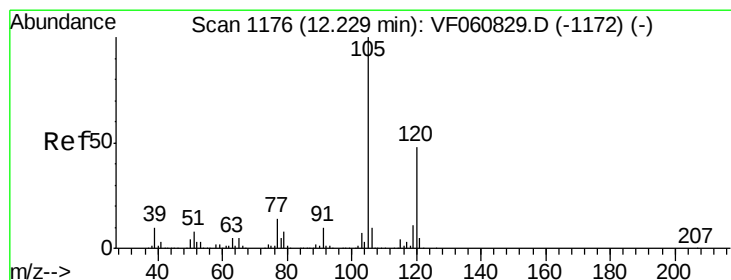
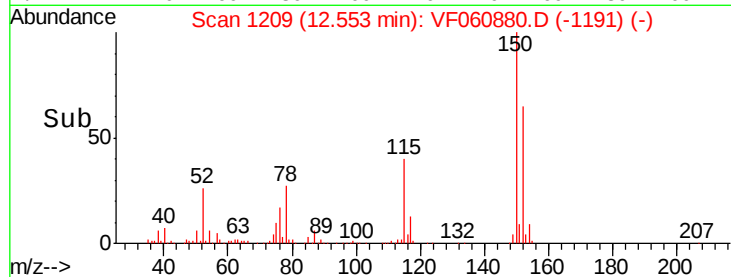
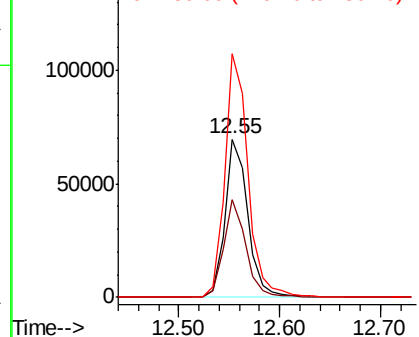
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

Instrument :
MSVOA_F
ClientSampleId :
AU-05-112918

Tot Ion:152 Resp: 109587
Ion Ratio Lower Upper
152 100
115 61.8 30.1 90.5
150 154.2 0.0 327.6



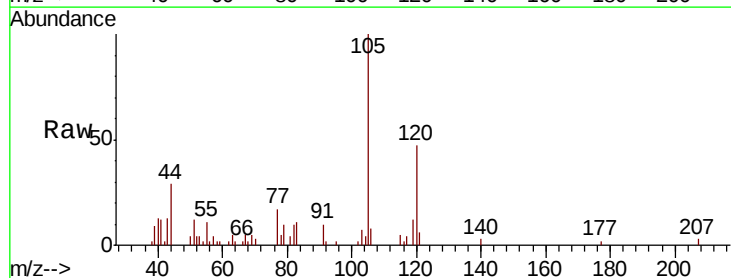
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



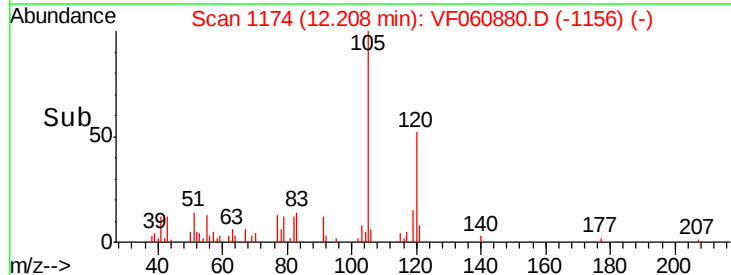
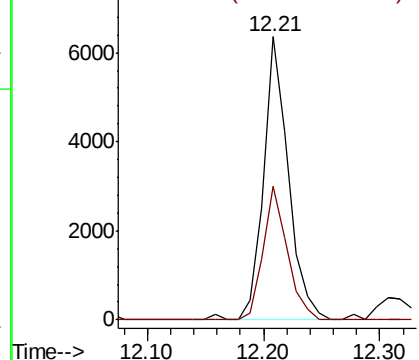
#84

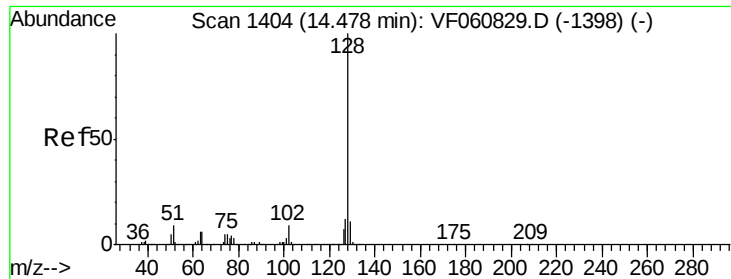
1,2,4-Trimethylbenzene
Concen: 1.335 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

Tgt Ion:105 Resp: 9370
Ion Ratio Lower Upper
105 100
120 47.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060880.D
Acq: 29 Nov 2018 21:36

Instrument :
MSVOA_F
ClientSampleId :
AU-05-112918

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.2	9.9	14.9
129	12.9	9.1	13.7

