

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060983.D
 Acq On : 11 Dec 2018 18:27
 Operator : VA/AP
 Sample : J6195-05RE
 Misc : 4.73g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-121018-A

Quant Time: Dec 12 06:28:41 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	215868	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	387795	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	337407	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	160403	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	130940	51.49	ug/l	-0.03
Spiked Amount			Recovery	=	102.98%	
35) Dibromofluoromethane	4.12	113	144035	46.82	ug/l	-0.03
Spiked Amount			Recovery	=	93.64%	
50) Toluene-d8	7.56	98	341128	37.64	ug/l	-0.03
Spiked Amount			Recovery	=	75.28%	
62) 4-Bromofluorobenzene	11.42	95	161284	39.16	ug/l	-0.02
Spiked Amount			Recovery	=	78.32%	

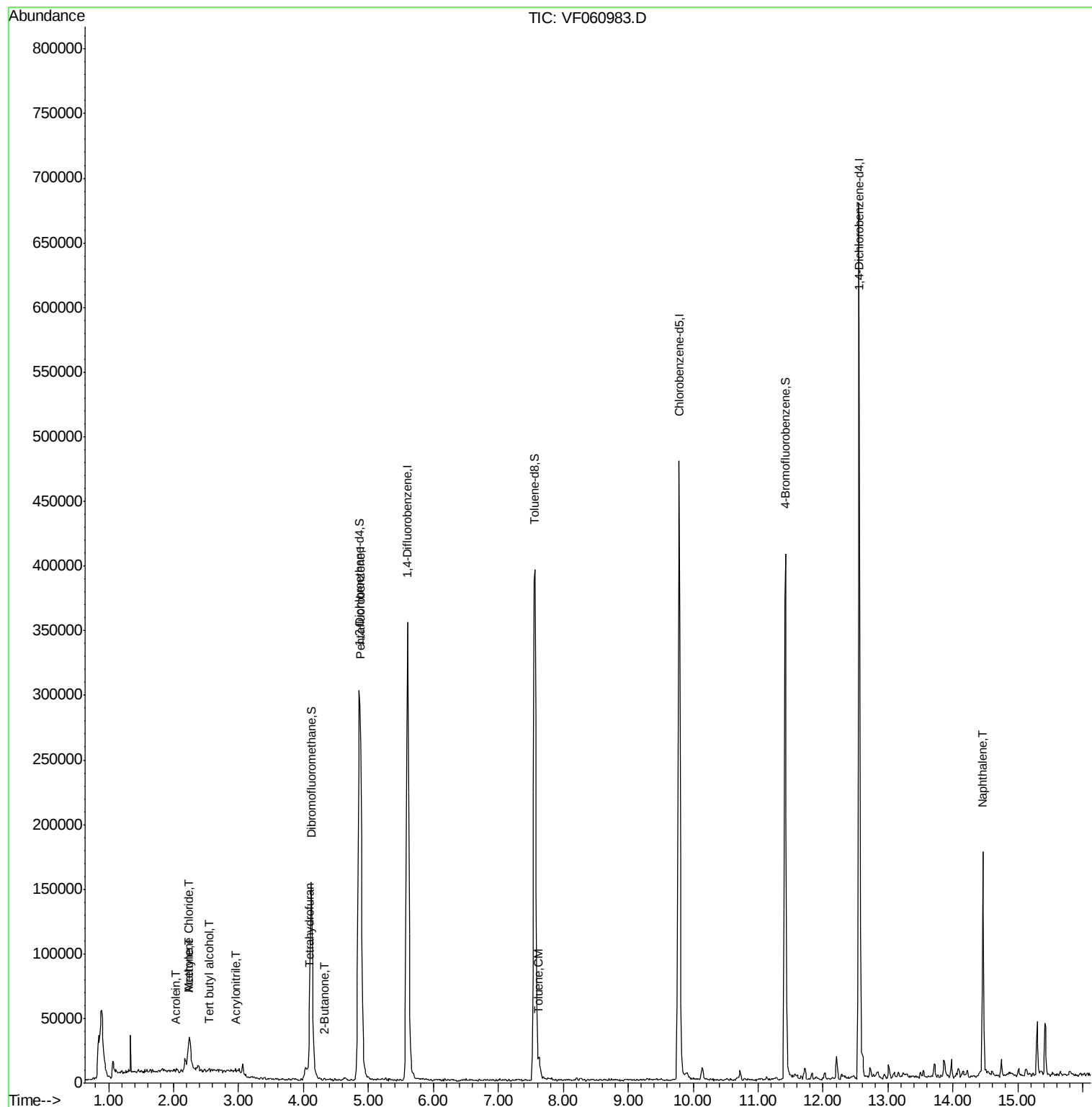
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	254	2.437	ug/l #	1
13) Acrolein	2.04	56	382	3.868	ug/l	95
15) Acrylonitrile	2.96	53	247	1.057	ug/l #	35
16) Acetone	2.25	43	27764	59.205	ug/l #	92
20) Methylene Chloride	2.24	84	7969	4.632	ug/l	93
25) 2-Butanone	4.34	43	1296	1.598	ug/l #	57
29) Tetrahydrofuran	4.08	42	354	1.030	ug/l #	55
41) Methacrylonitrile	4.78	41	153	Below Cal	#	1
43) Isopropyl Acetate	6.92	43	438	Below Cal	#	49
52) Toluene	7.62	92	7746	1.161	ug/l	82
95) Naphthalene	14.46	128	115604	14.548	ug/l	99

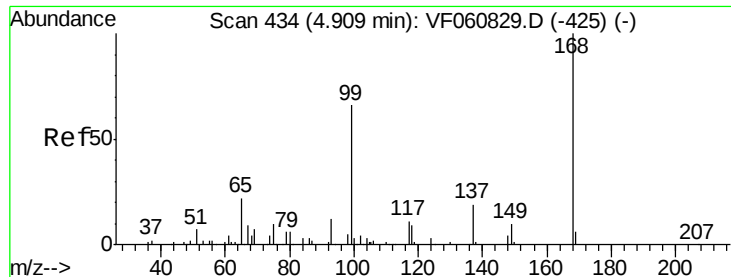
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121118\
Data File : VF060983.D
Acq On : 11 Dec 2018 18:27
Operator : VA/AP
Sample : J6195-05RE
Misc : 4.73q/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-02-121018-A

Quant Time: Dec 12 06:28:41 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: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

Instrument :

MSVOA_F

ClientSampleId :

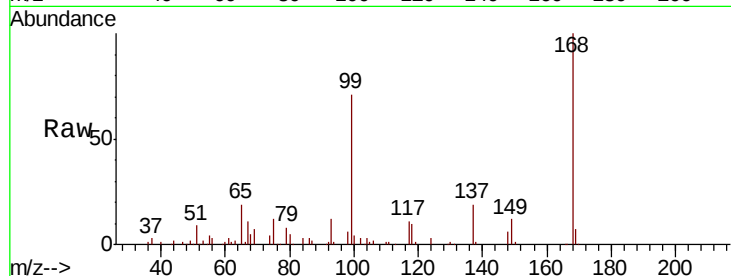
OR-02-121018-A

Tot Ion:168 Resp: 215868

Ion Ratio Lower Upper

168 100

99 71.1 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

80000

60000

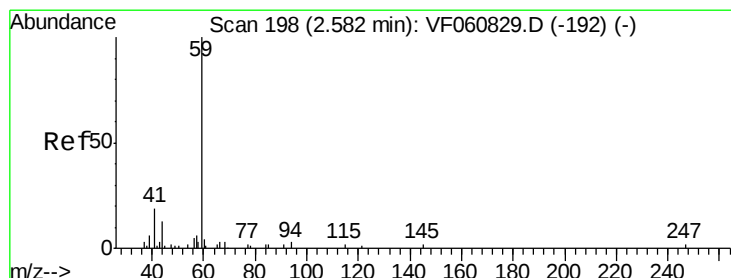
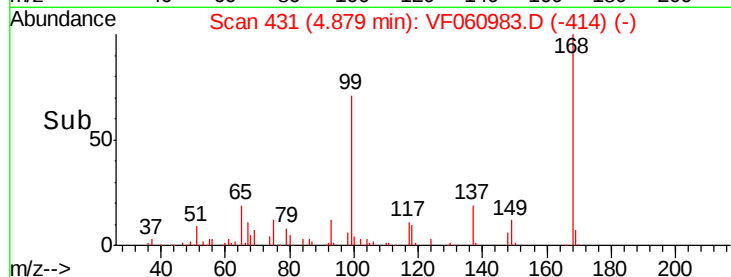
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 2.437 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF060983.D

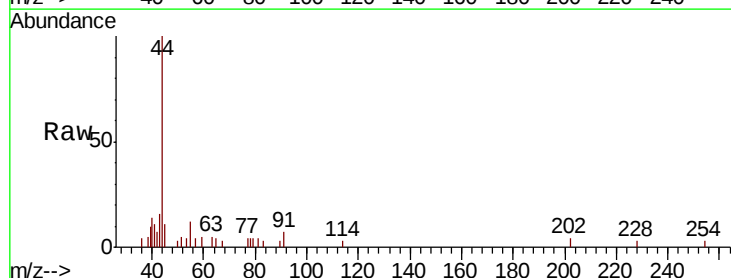
Acq: 11 Dec 2018 18:27

Tgt Ion: 59 Resp: 254

Ion Ratio Lower Upper

59 100

57 76.2 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

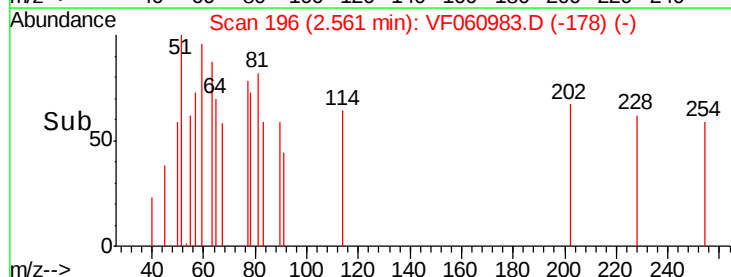
100

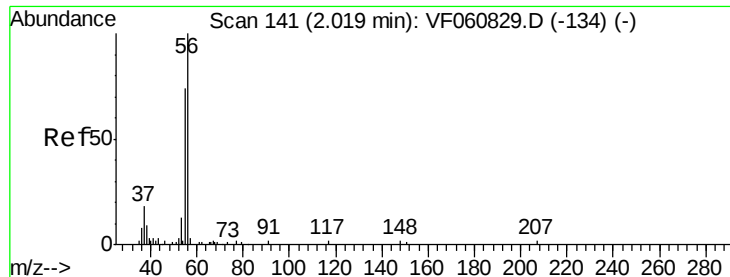
50

0

2.54 2.56 2.58

Time-->





#13

Acrolein

Concen: 3.868 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.02 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

Instrument :

MSVOA_F

ClientSampleId :

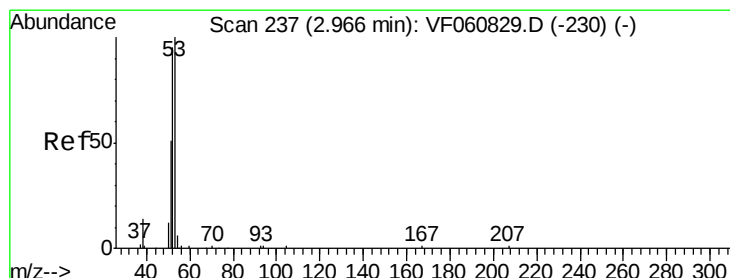
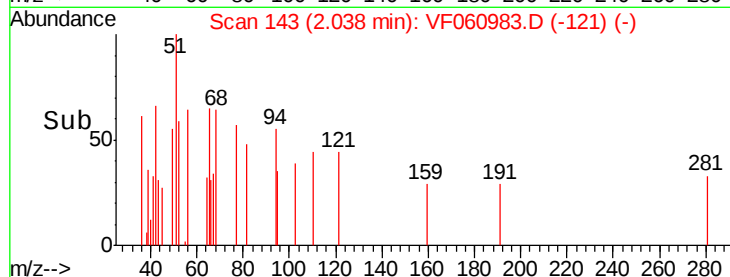
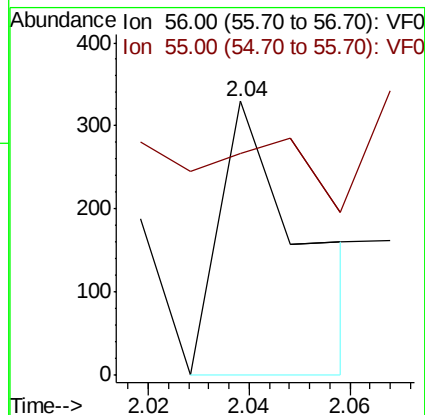
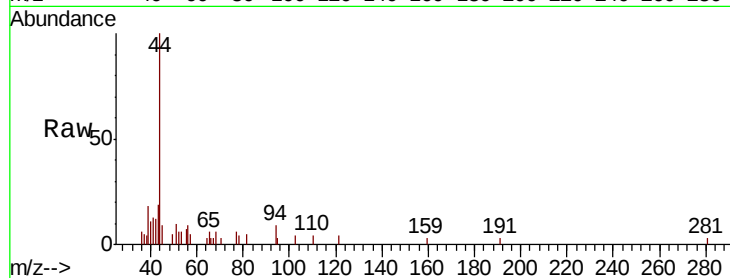
OR-02-121018-A

Tot Ion: 56 Resp: 382

Ion Ratio Lower Upper

56 100

55 81.2 61.2 91.8



#15

Acrylonitrile

Concen: 1.057 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

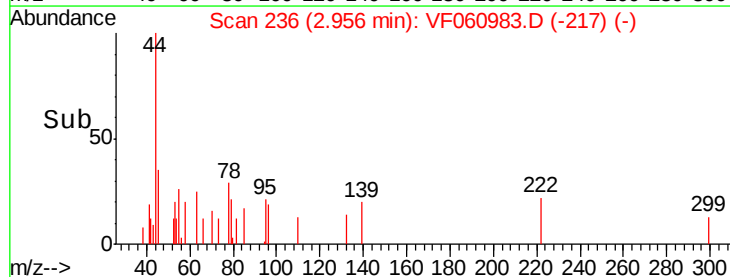
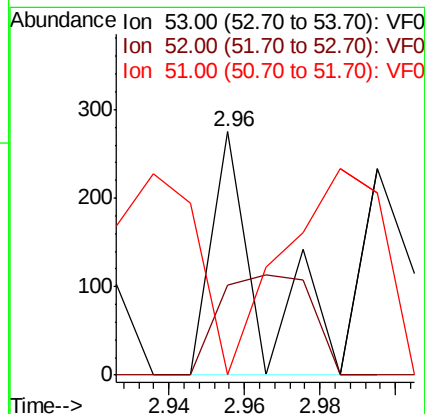
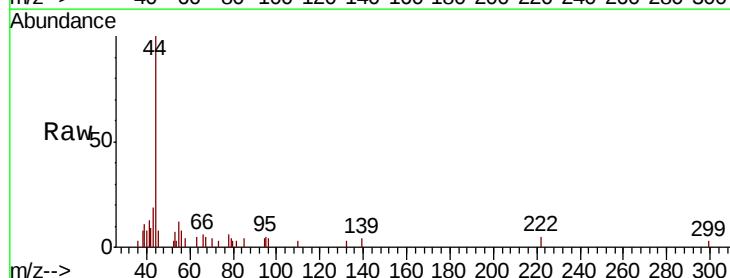
Tgt Ion: 53 Resp: 247

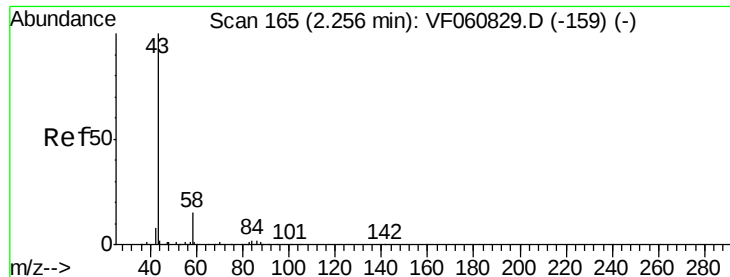
Ion Ratio Lower Upper

53 100

52 37.1 76.5 114.7#

51 0.0 40.7 61.1#





#16

Acetone

Concen: 59.205 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

Instrument :

MSVOA_F

ClientSampleId :

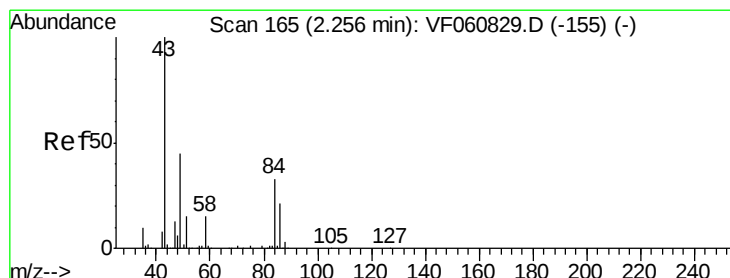
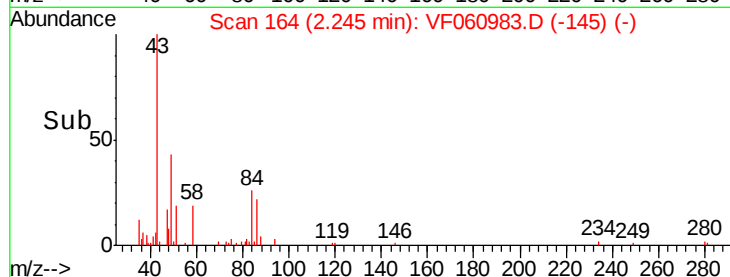
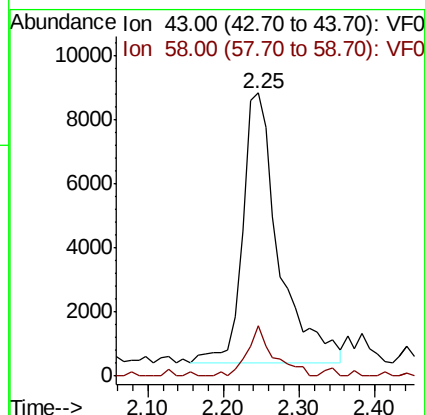
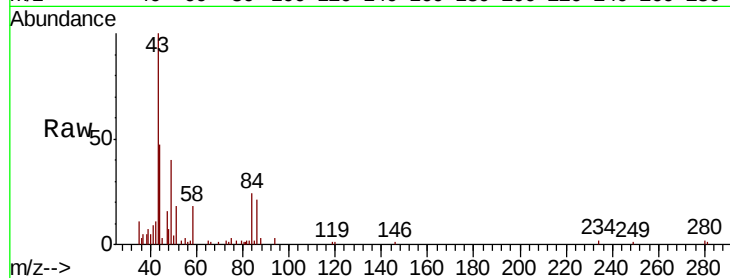
OR-02-121018-A

Tot Ion: 43 Resp: 27764

Ion Ratio Lower Upper

43 100

58 17.8 11.4 17.2#



#20

Methylene Chloride

Concen: 4.632 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

Tgt Ion: 84 Resp: 7969

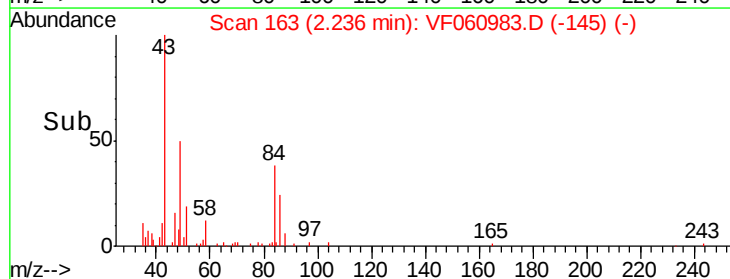
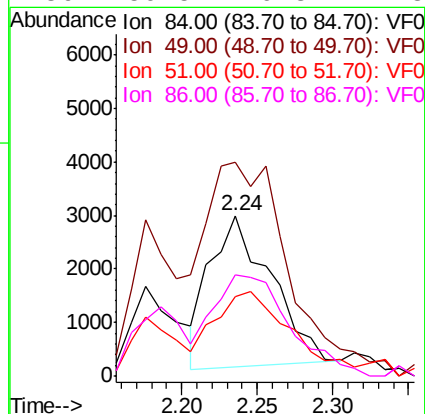
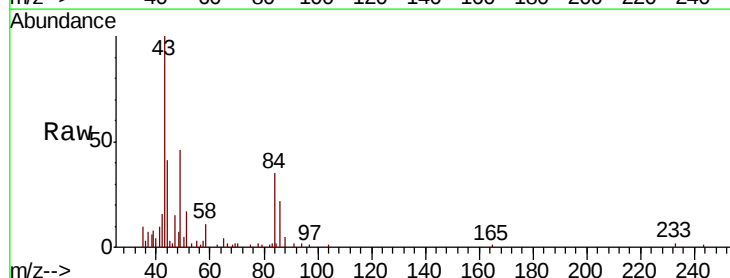
Ion Ratio Lower Upper

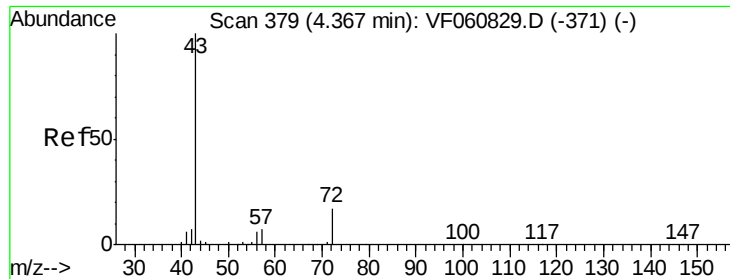
84 100

49 126.5 111.3 166.9

51 47.0 38.0 57.0

86 59.5 49.8 74.8





#25

2-Butanone

Concen: 1.598 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

Instrument :

MSVOA_F

ClientSampleId :

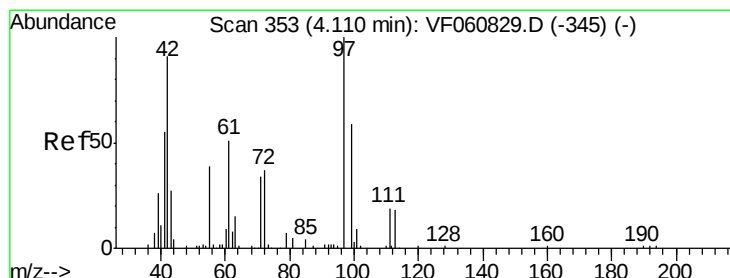
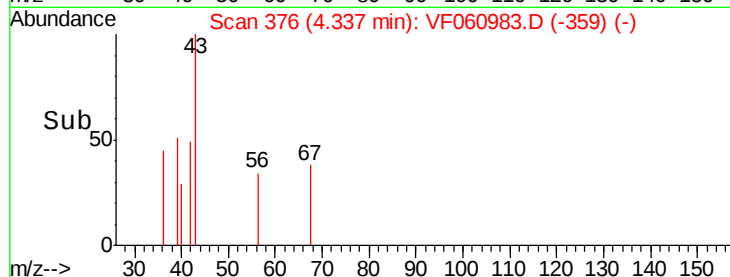
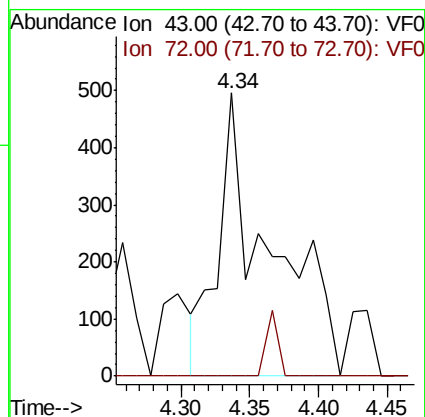
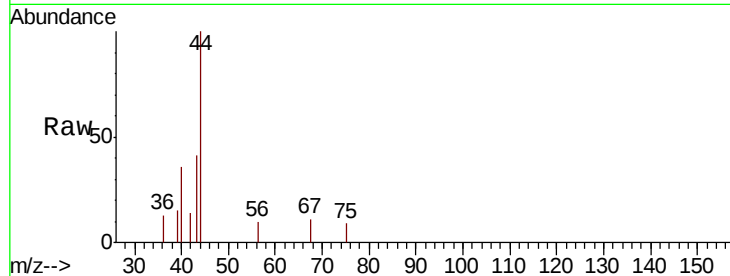
OR-02-121018-A

Tot Ion: 43 Resp: 1296

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#29

Tetrahydrofuran

Concen: 1.030 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

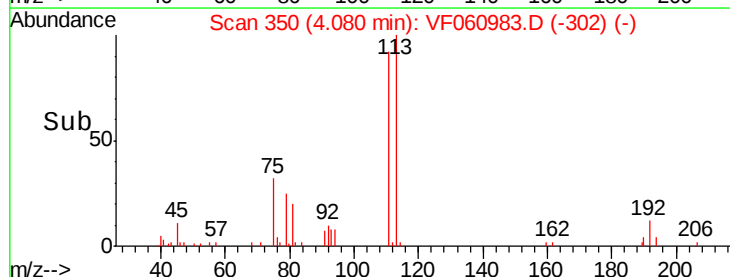
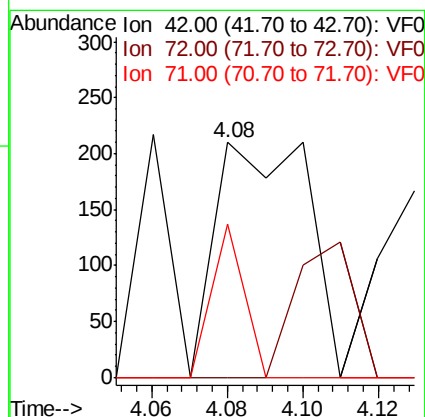
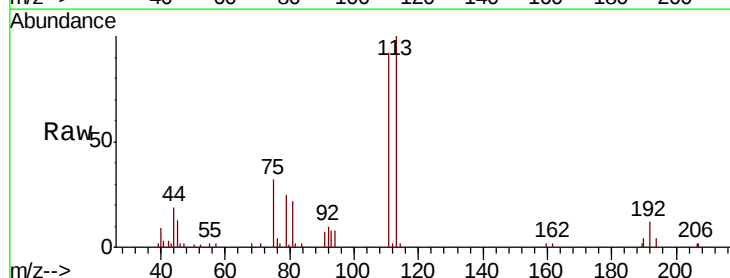
Tgt Ion: 42 Resp: 354

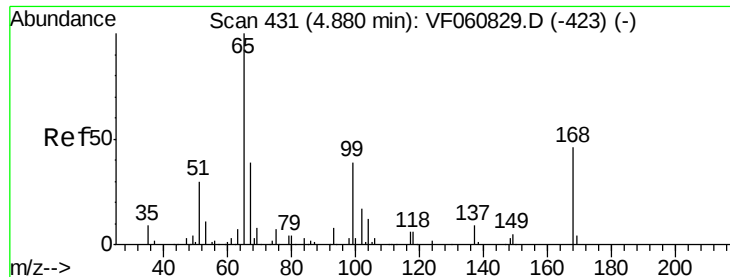
Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

71 22.9 28.7 43.1#





#33

1,2-Dichloroethane-d4

Concen: 51.490 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

Instrument :

MSVOA_F

ClientSampleId :

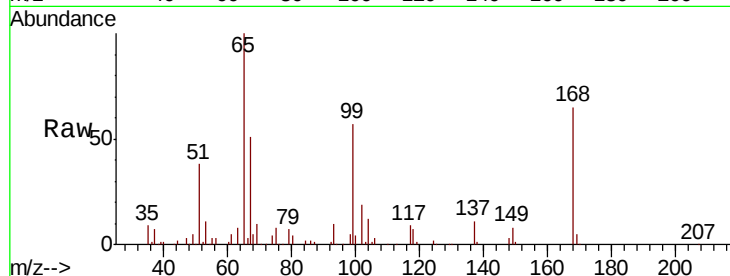
OR-02-121018-A

Tot Ion: 65 Resp: 130940

Ion Ratio Lower Upper

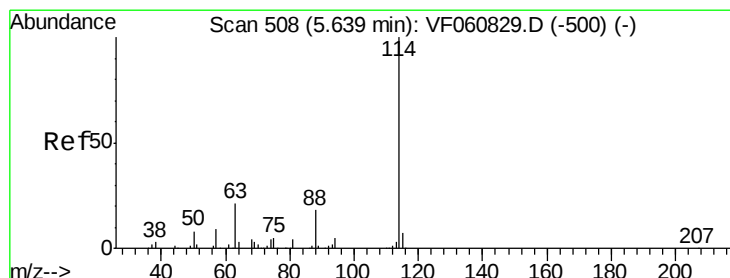
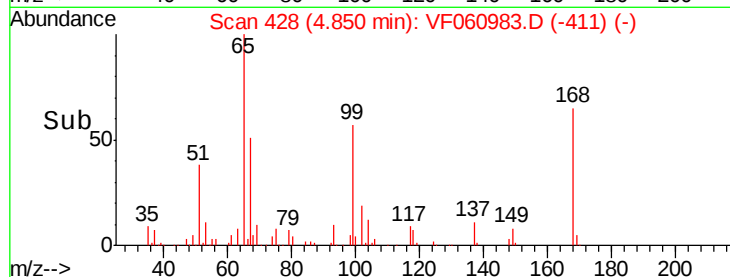
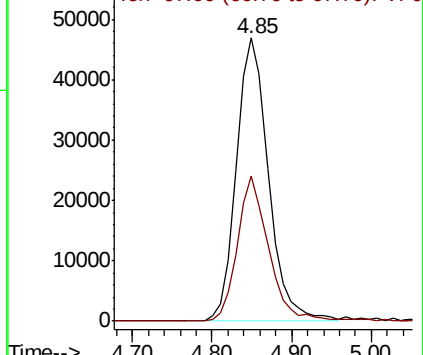
65 100

67 51.5 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: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

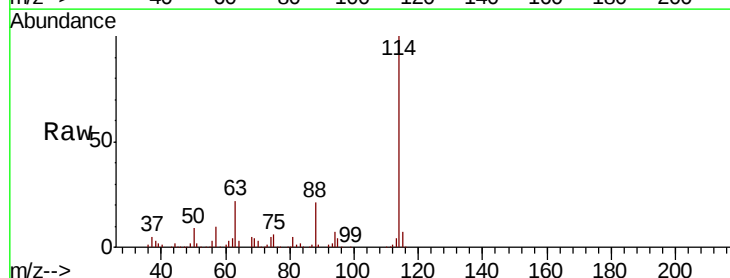
Tgt Ion: 114 Resp: 387795

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.6

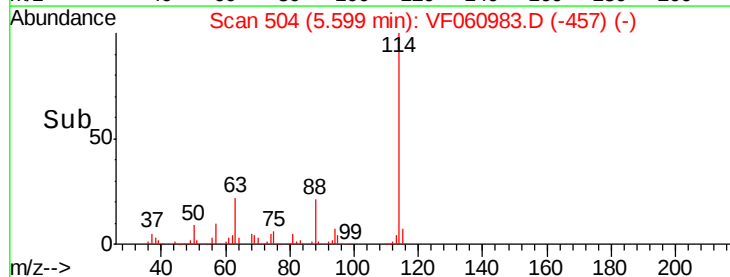
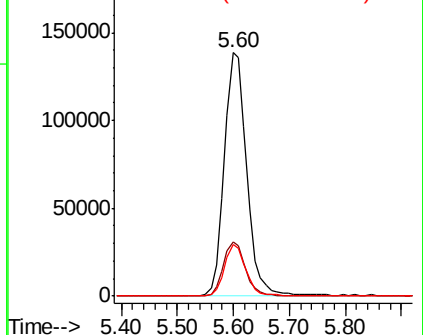
88 21.4 0.0 36.6

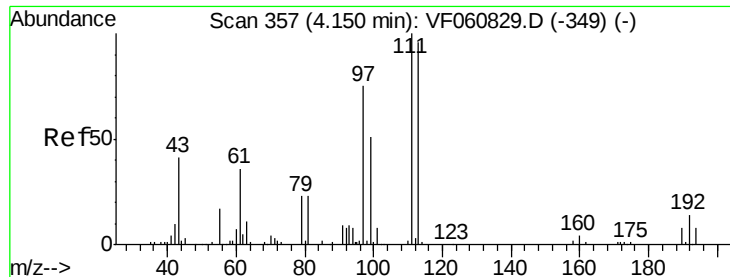


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

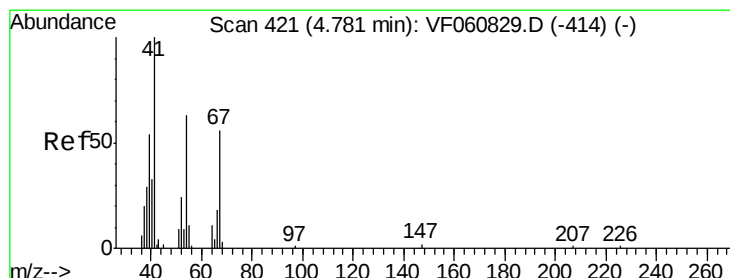
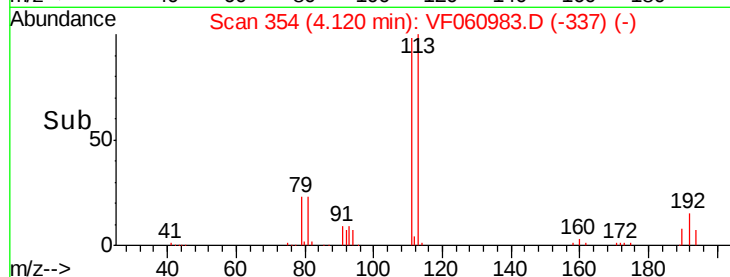
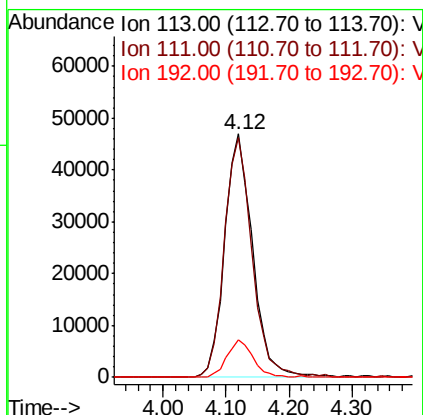
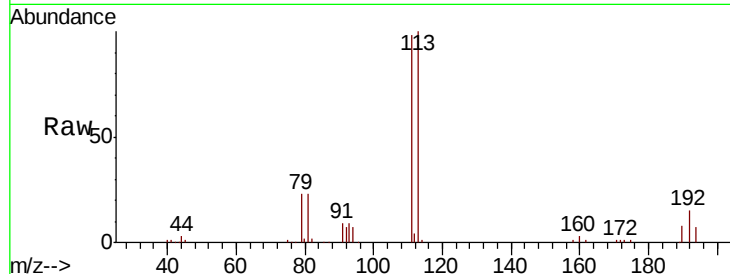




#35
Dibromofluoromethane
Concen: 46.818 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF060983.D
Acq: 11 Dec 2018 18:27

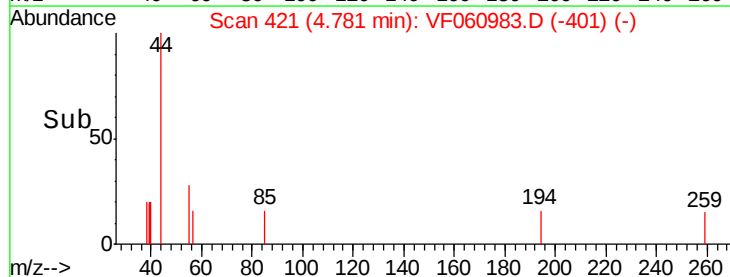
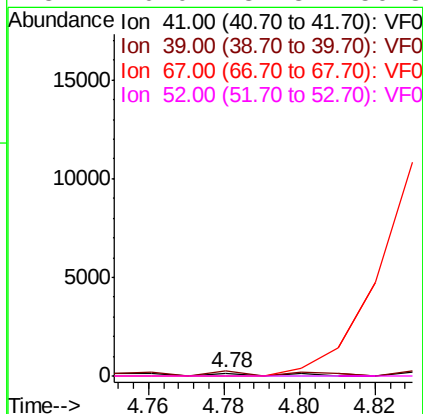
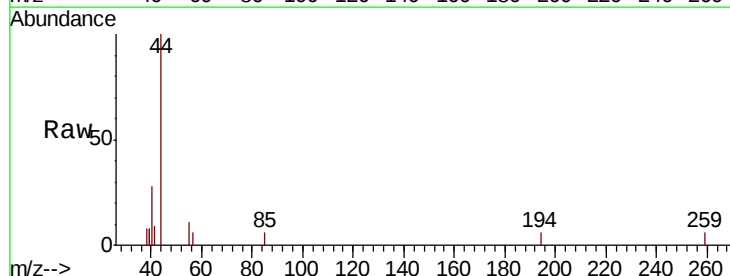
Instrument :
MSVOA_F
ClientSampleId :
OR-02-121018-A

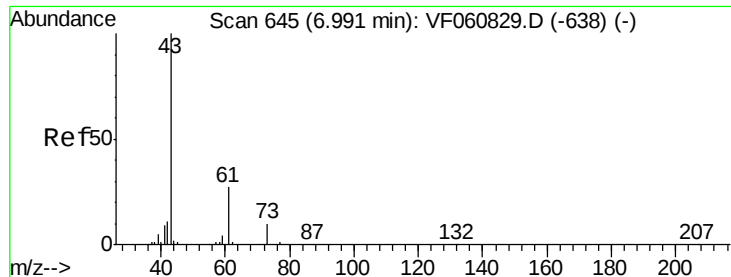
Tot Ion:113 Resp: 144035
Ion Ratio Lower Upper
113 100
111 98.4 83.0 124.6
192 15.3 12.3 18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060983.D
Acq: 11 Dec 2018 18:27

Tgt Ion: 41 Resp: 153
Ion Ratio Lower Upper
41 100
39 179.6 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



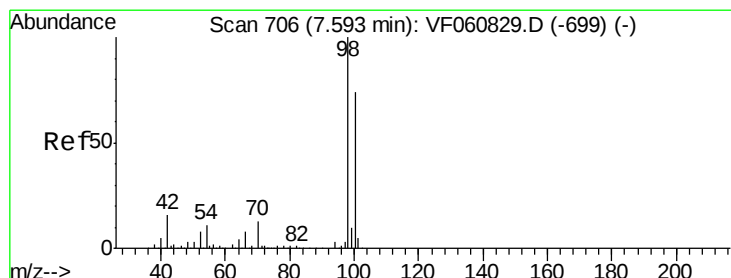
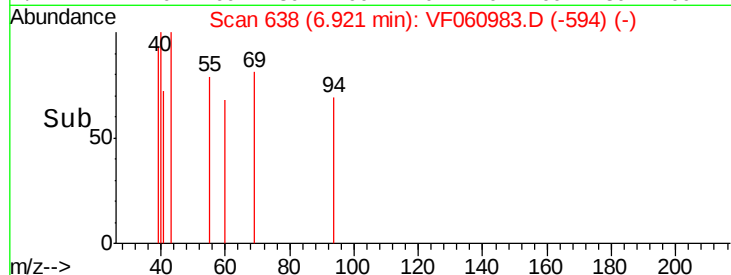
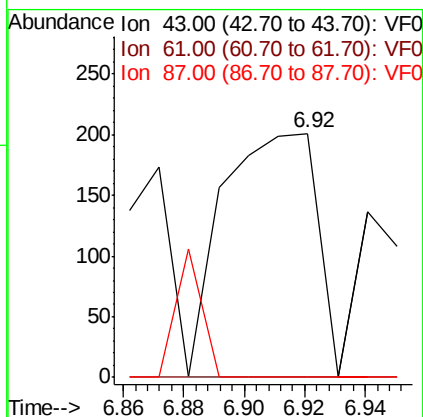
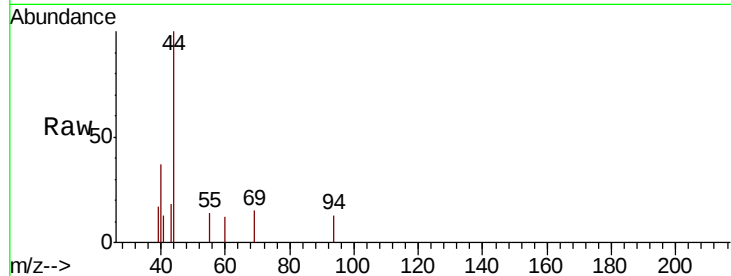


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.92 min Scan# 638
 Delta R.T. -0.07 min
 Lab File: VF060983.D
 Acq: 11 Dec 2018 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-121018-A

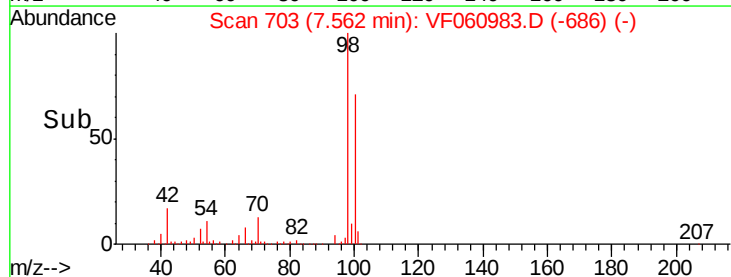
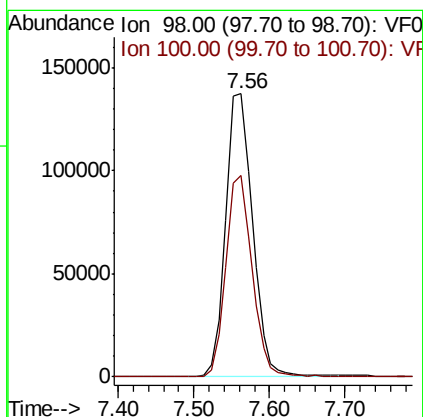
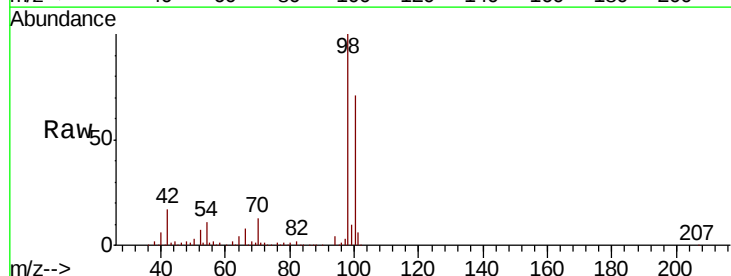
Tot Ion: 43 Resp: 438
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

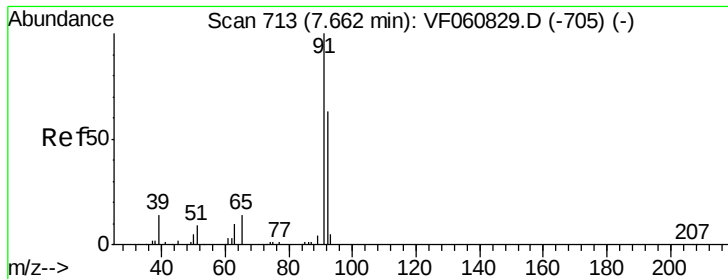


#50

Toluene-d8
 Concen: 37.642 ug/l
 RT: 7.56 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VF060983.D
 Acq: 11 Dec 2018 18:27

Tgt Ion: 98 Resp: 341128
 Ion Ratio Lower Upper
 98 100
 100 71.1 59.3 88.9





#52

Toluene

Concen: 1.161 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

Instrument :

MSVOA_F

ClientSampleId :

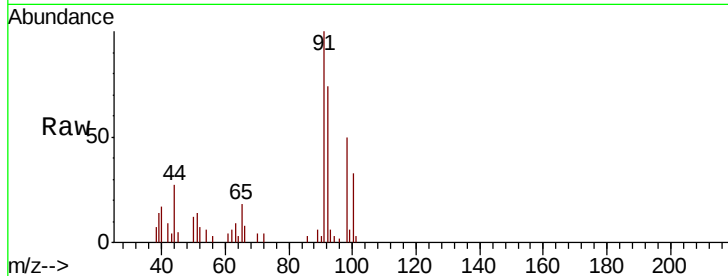
OR-02-121018-A

Tot Ion: 92 Resp: 7746

Ion Ratio Lower Upper

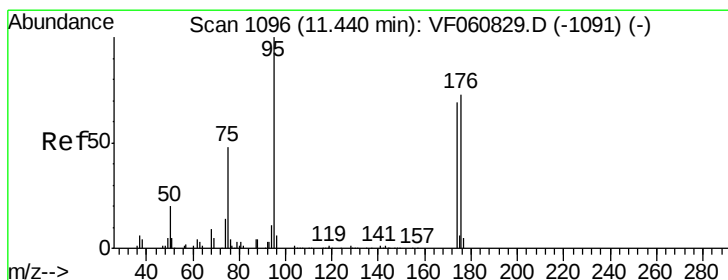
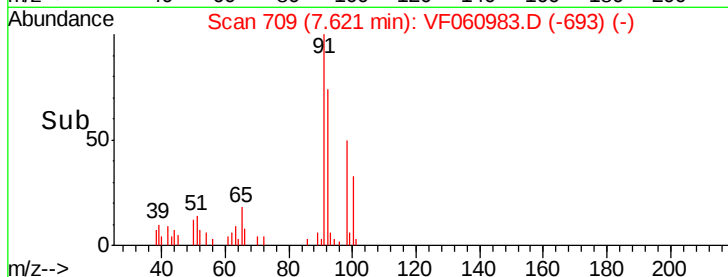
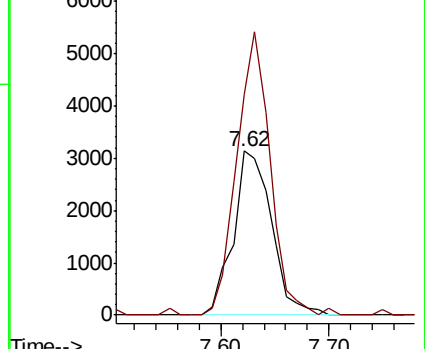
92 100

91 134.3 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 39.159 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060983.D

Acq: 11 Dec 2018 18:27

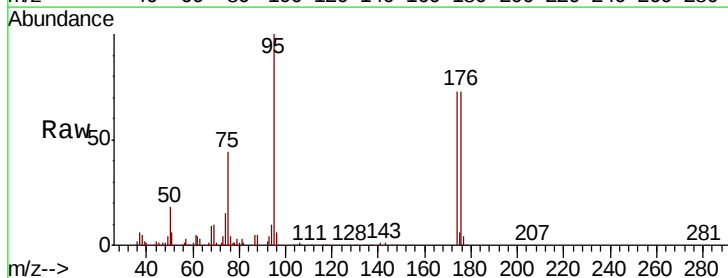
Tgt Ion: 95 Resp: 161284

Ion Ratio Lower Upper

95 100

174 73.4 0.0 138.2

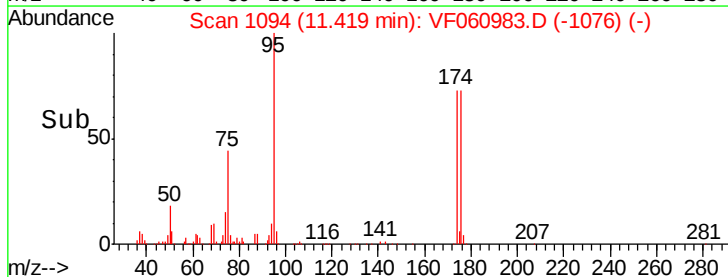
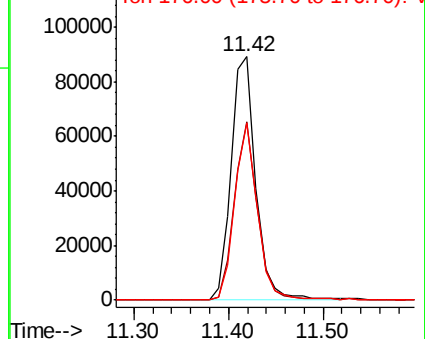
176 72.7 0.0 146.2

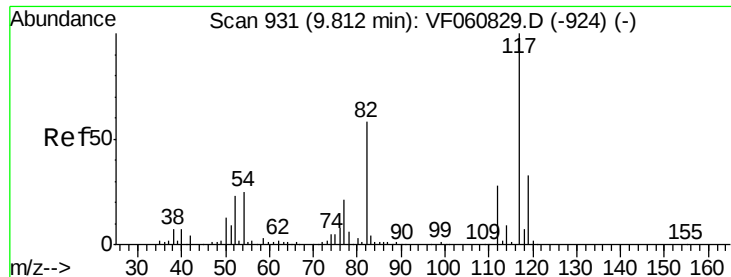


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

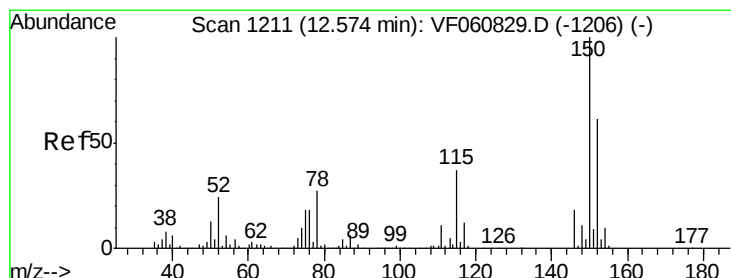
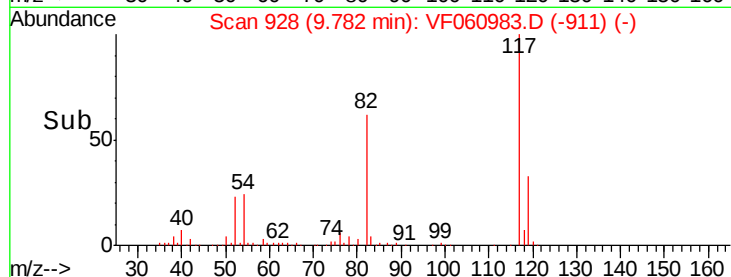
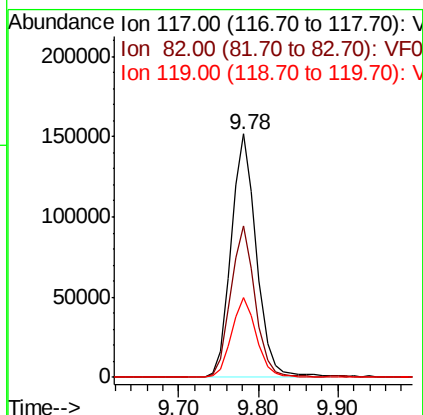
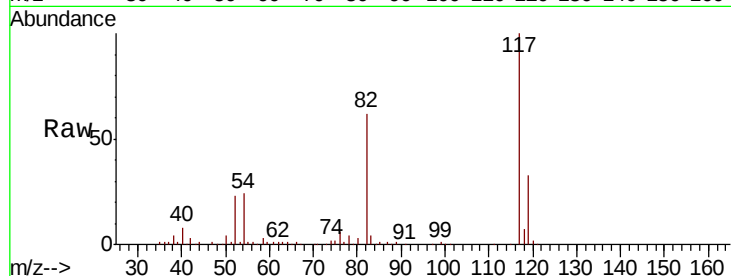




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060983.D
Acq: 11 Dec 2018 18:27

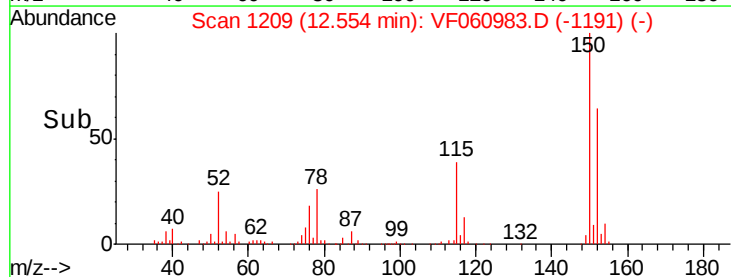
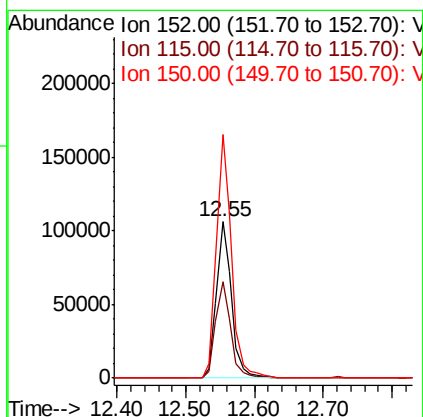
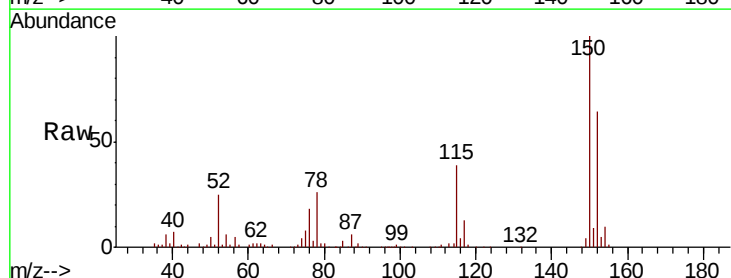
Instrument :
MSVOA_F
ClientSampleId :
OR-02-121018-A

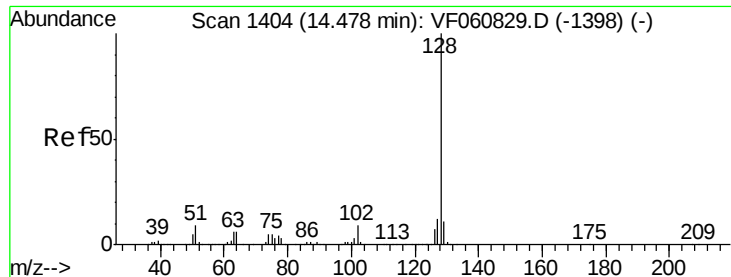
Tot Ion:117 Resp: 337407
Ion Ratio Lower Upper
117 100
82 62.0 46.6 69.8
119 32.9 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060983.D
Acq: 11 Dec 2018 18:27

Tgt Ion:152 Resp: 160403
Ion Ratio Lower Upper
152 100
115 61.4 30.1 90.5
150 156.0 0.0 327.6





#95
 Naphthalene
 Concen: 14.548 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.02 min
 Lab File: VF060983.D
 Acq: 11 Dec 2018 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-121018-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	11.9	9.1	13.7

