

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061532.D
 Acq On : 25 Jan 2019 20:40
 Operator : VA/AP
 Sample : K1255-01
 Misc : 6.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	69077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	109179	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	72962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	27588	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	13465	15.79	ug/l	0.00
Spiked Amount			Recovery	=		31.58%
35) Dibromofluoromethane	4.10	113	23913	27.76	ug/l	0.00
Spiked Amount			Recovery	=		55.52%
50) Toluene-d8	7.55	98	70562	29.89	ug/l	0.00
Spiked Amount			Recovery	=		59.78%
62) 4-Bromofluorobenzene	11.40	95	20265	18.38	ug/l	0.00
Spiked Amount			Recovery	=		36.76%

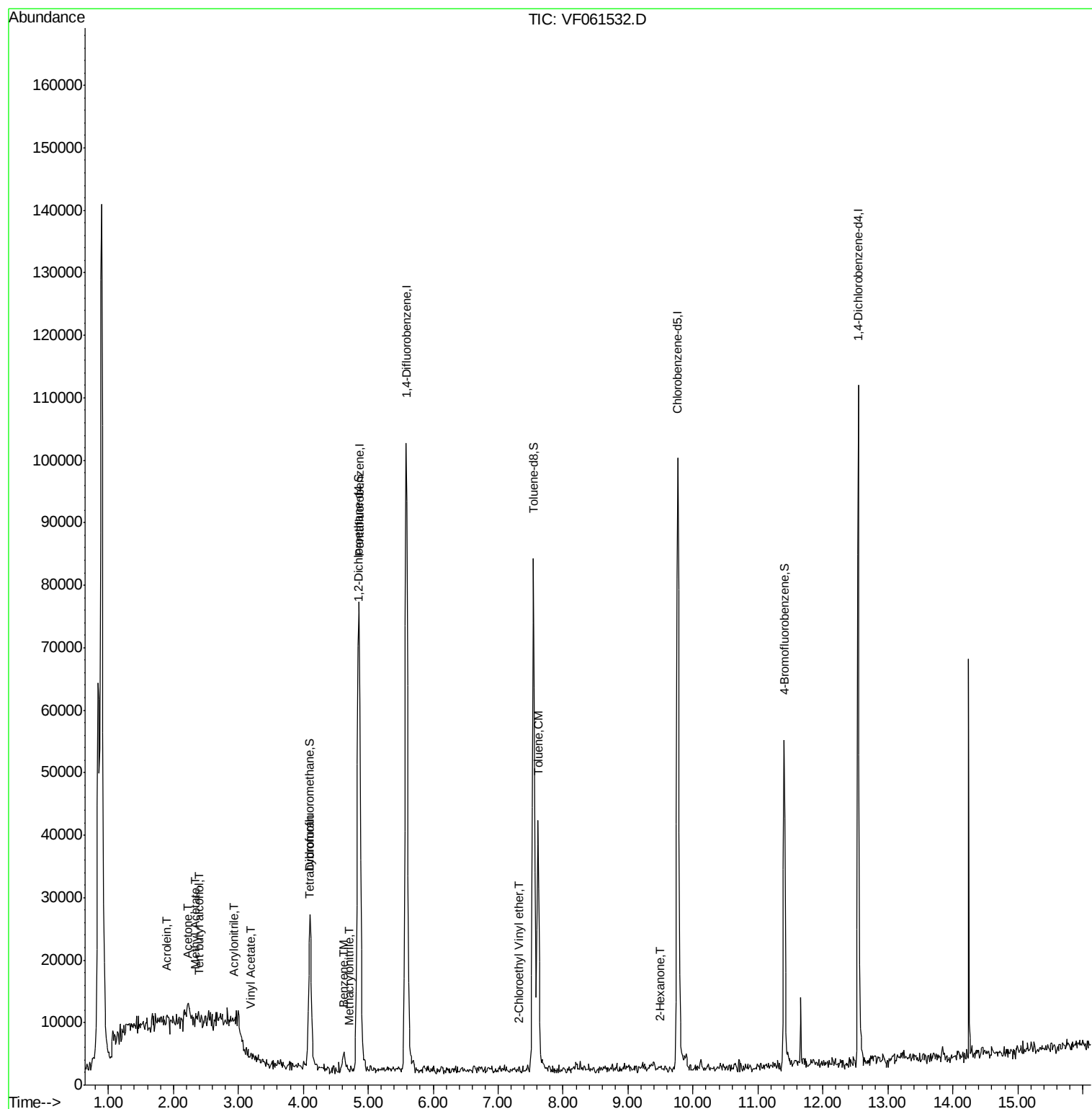
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.41	59	83	2.299	ug/l #	1
13) Acrolein	1.91	56	568	27.849	ug/l	90
14) Allyl chloride	2.09	41	275	Below Cal	#	59
15) Acrylonitrile	2.93	53	262	2.833	ug/l #	14
16) Acetone	2.24	43	4553	26.612	ug/l	95
18) Methyl Acetate	2.35	43	580	1.709	ug/l #	61
20) Methylene Chloride	2.19	84	872	Below Cal	#	53
23) Vinyl Acetate	3.20	43	922	4.140	ug/l #	78
29) Tetrahydrofuran	4.08	42	142	1.159	ug/l #	38
40) Benzene	4.62	78	3877	1.376	ug/l #	86
41) Methacrylonitrile	4.70	41	495	1.838	ug/l #	28
52) Toluene	7.61	92	22012	11.867	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	65	28.418	ug/l #	47
59) 2-Hexanone	9.48	43	389	1.195	ug/l #	26

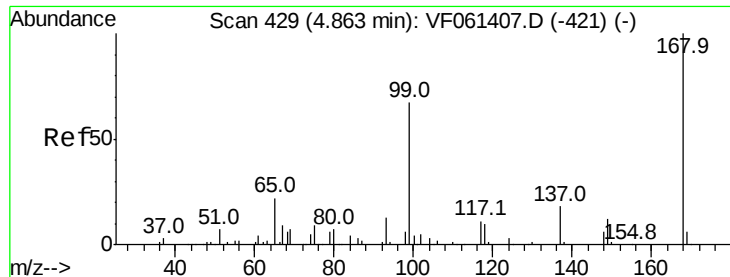
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

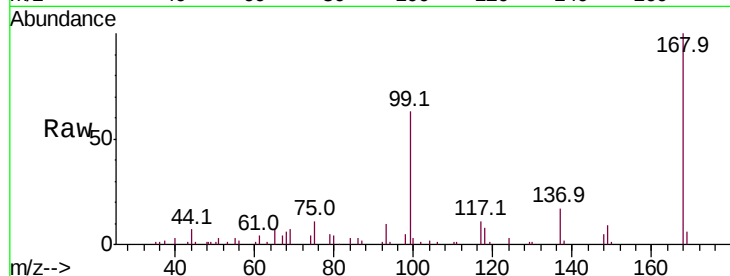
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 69077

Ion Ratio Lower Upper

168 100

99 63.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF061407.D (-421) (-)

Ion 99.00 (98.70 to 99.70): VF061407.D (-421) (-)

4.86

25000

20000

15000

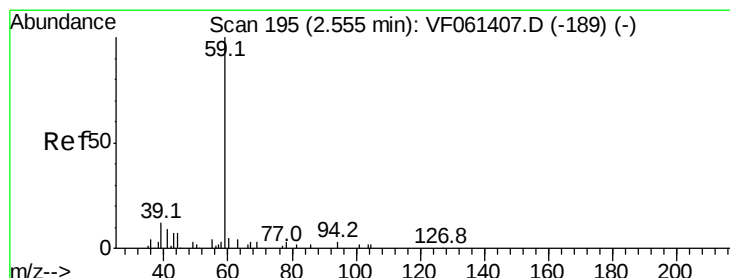
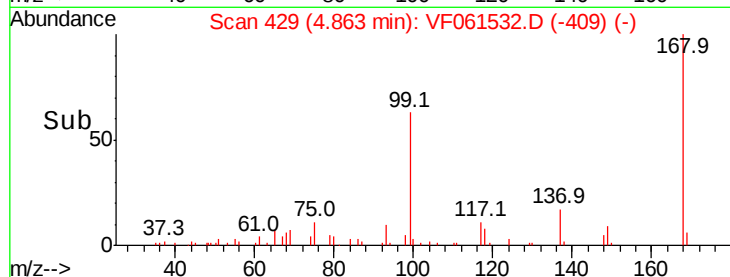
10000

5000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 2.299 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.15 min

Lab File: VF061532.D

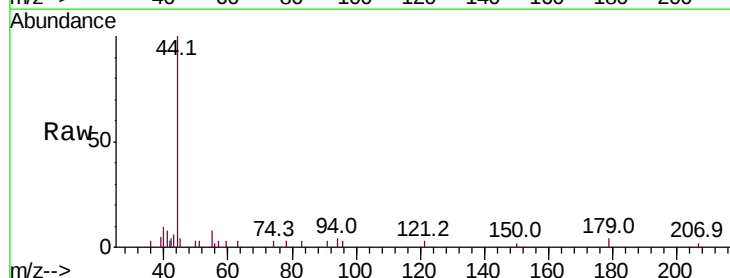
Acq: 25 Jan 2019 20:40

Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

59 100

57 115.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF061407.D (-189) (-)

Ion 57.00 (56.70 to 57.70): VF061407.D (-189) (-)

2.41

300

250

200

150

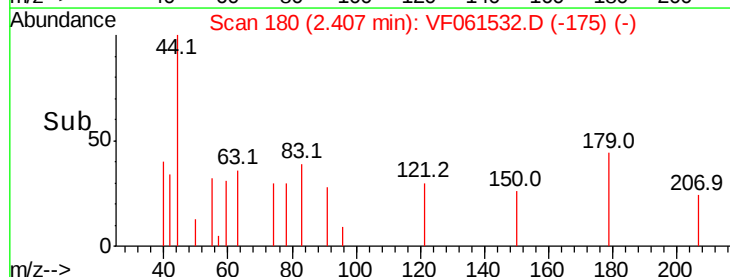
100

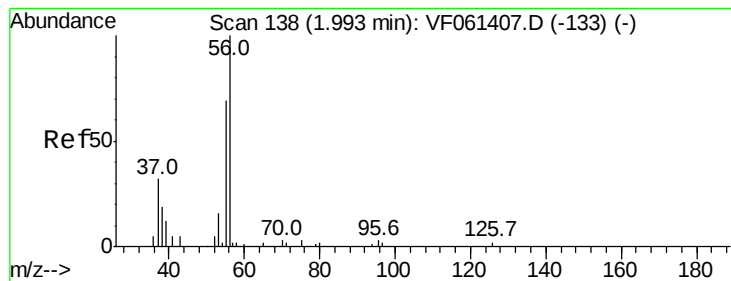
50

0

Time-->

2.38 2.40 2.42 2.44





#13

Acrolein

Concen: 27.849 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.08 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

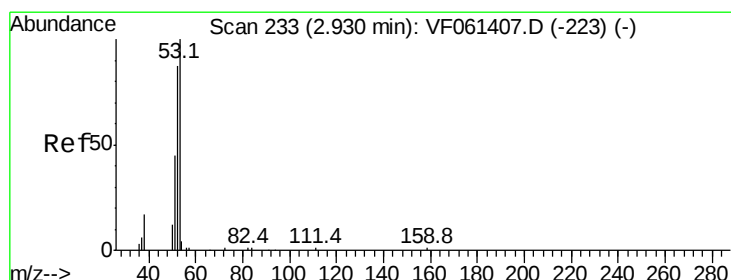
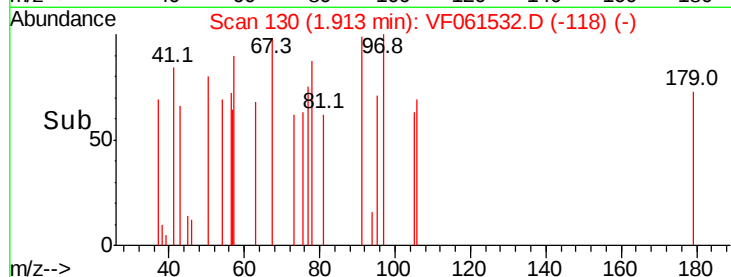
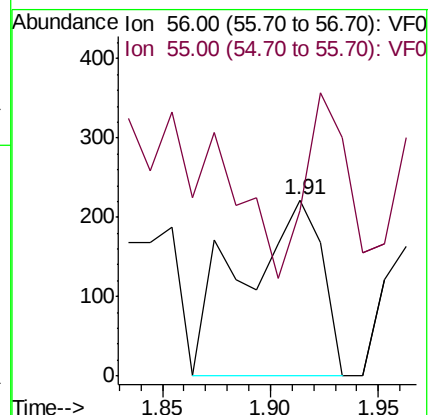
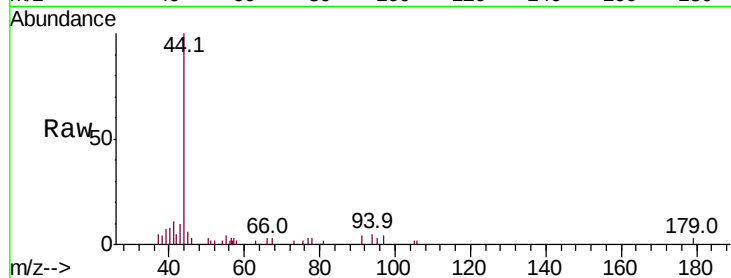
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 568

Ion Ratio Lower Upper

56 100

55 63.2 57.5 86.3



#15

Acrylonitrile

Concen: 2.833 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

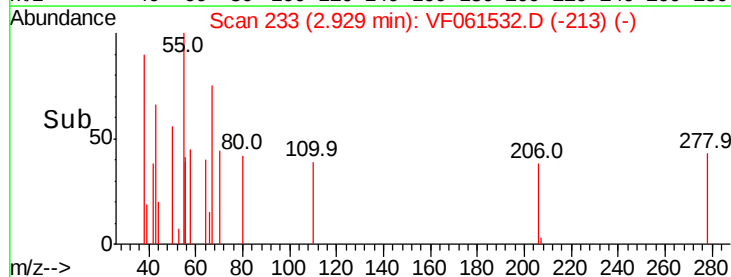
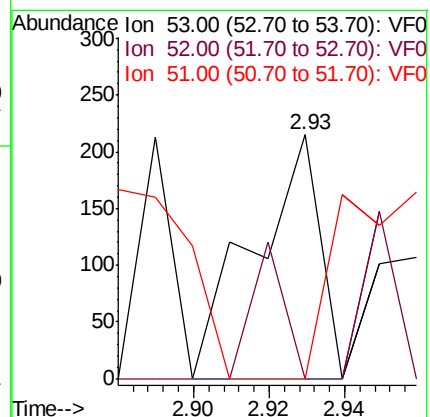
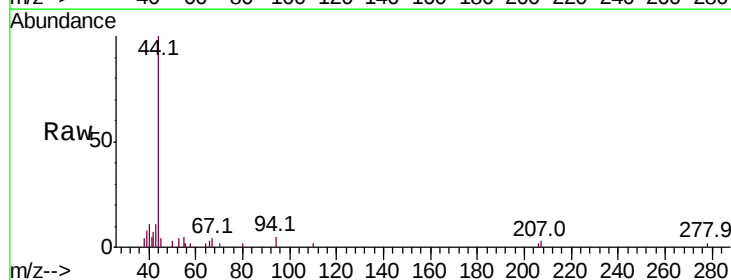
Tgt Ion: 53 Resp: 262

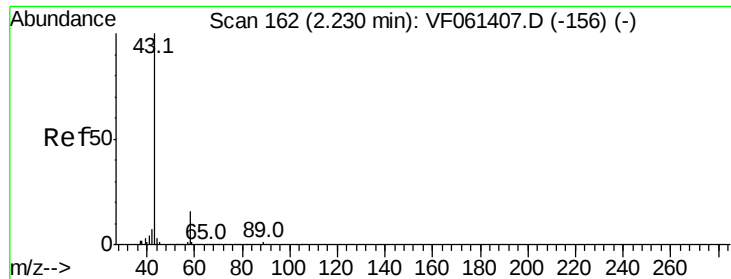
Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 0.0 36.8 55.2#





#16

Acetone

Concen: 26.612 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

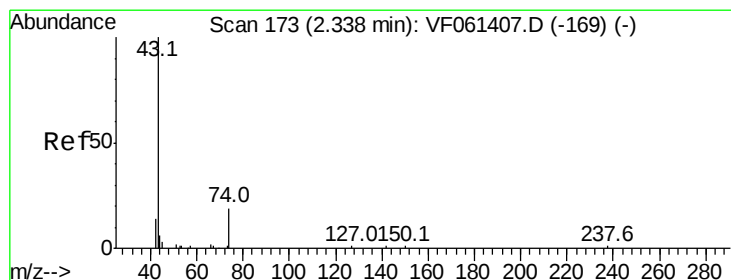
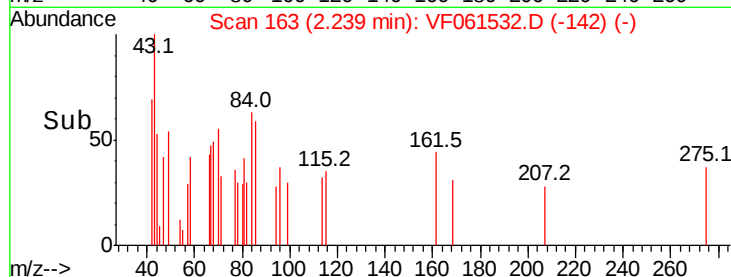
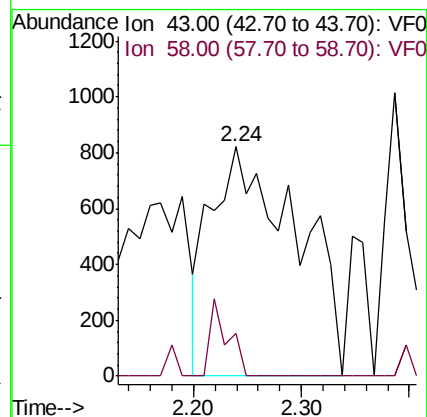
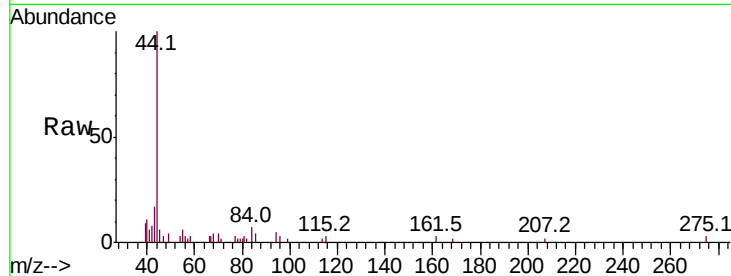
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4553

Ion Ratio Lower Upper

43 100

58 18.8 13.3 19.9



#18

Methyl Acetate

Concen: 1.709 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061532.D

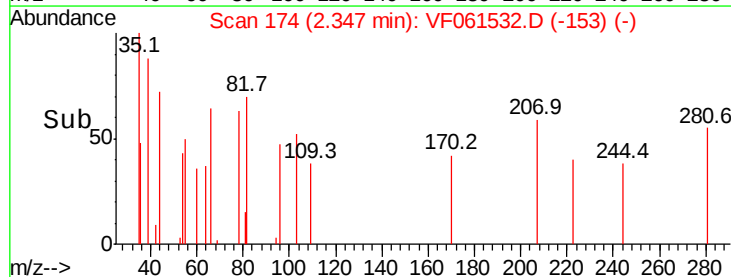
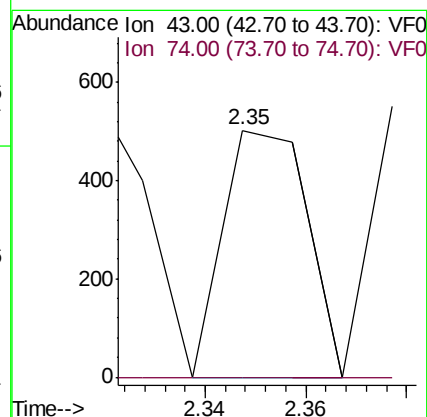
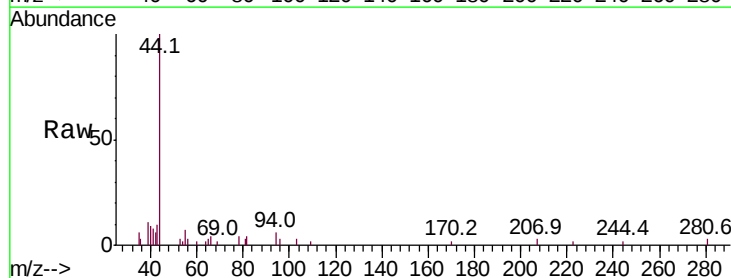
Acq: 25 Jan 2019 20:40

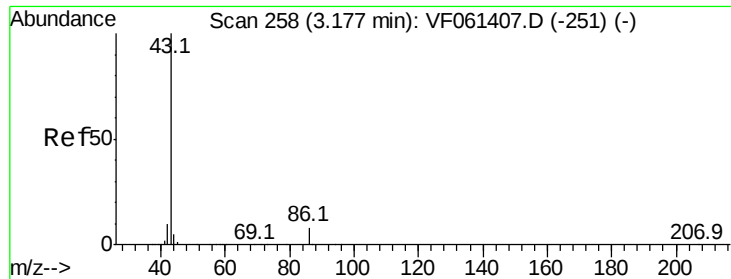
Tgt Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#

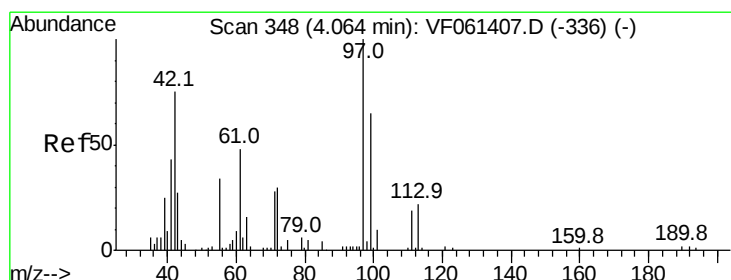
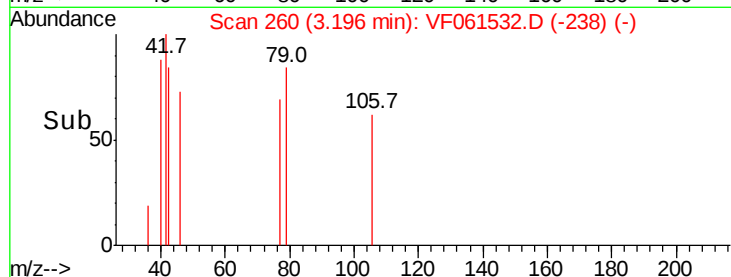
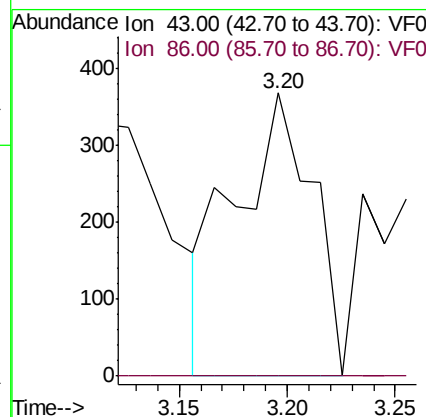
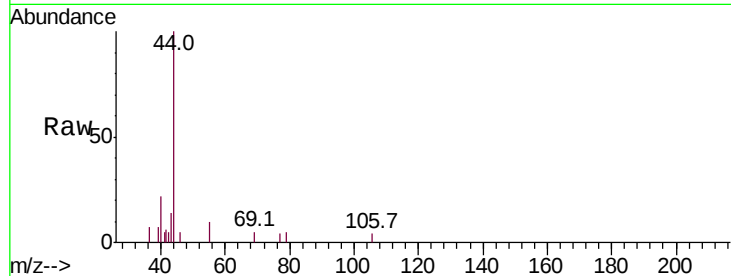




#23
 Vinyl Acetate
 Concen: 4.140 ug/l
 RT: 3.20 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VF061532.D
 Acq: 25 Jan 2019 20:40

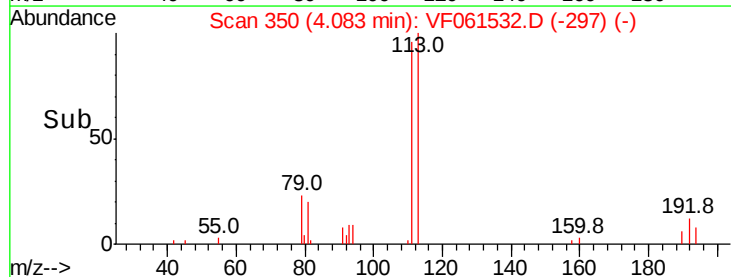
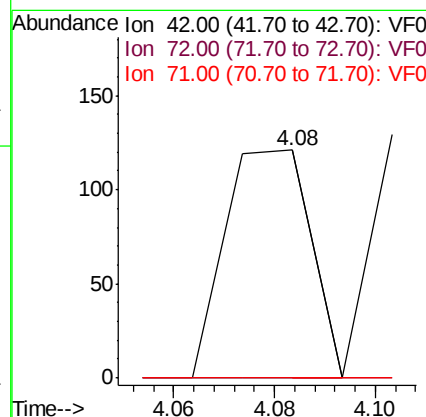
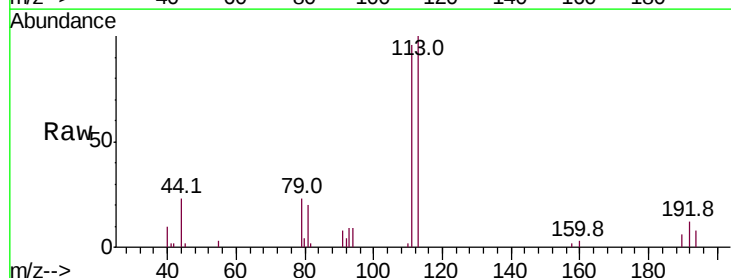
Instrument :
 MSVOA_F
 ClientSampleId :

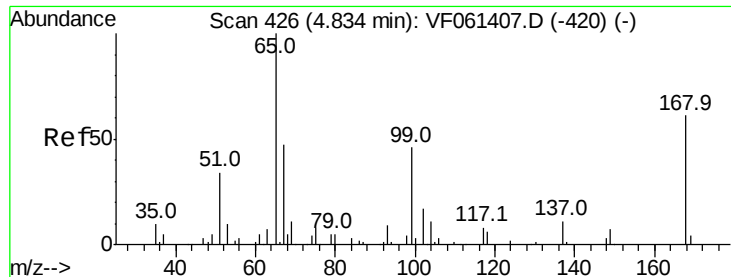
Tot Ion: 43 Resp: 922
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.2 9.4#



#29
 Tetrahydrofuran
 Concen: 1.159 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. 0.02 min
 Lab File: VF061532.D
 Acq: 25 Jan 2019 20:40

Tgt Ion: 42 Resp: 142
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.9 43.3#
 71 0.0 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 15.788 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

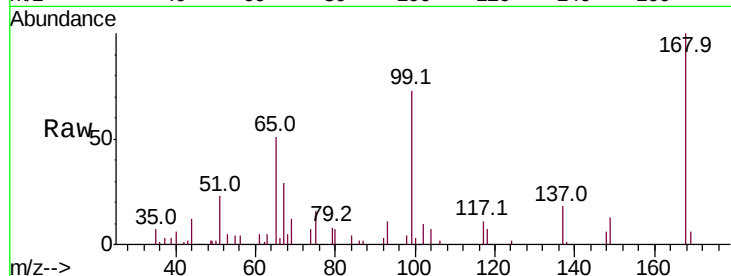
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 13465

Ion Ratio Lower Upper

65 100

67 57.3 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

6000

5000

4000

3000

2000

1000

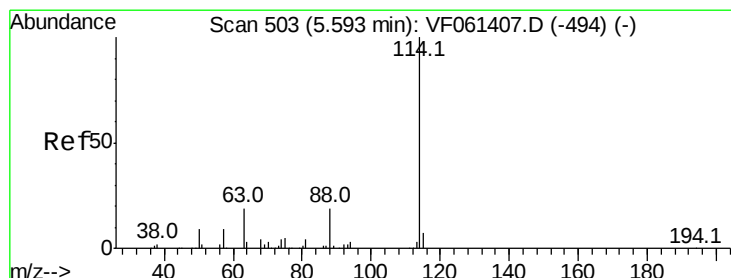
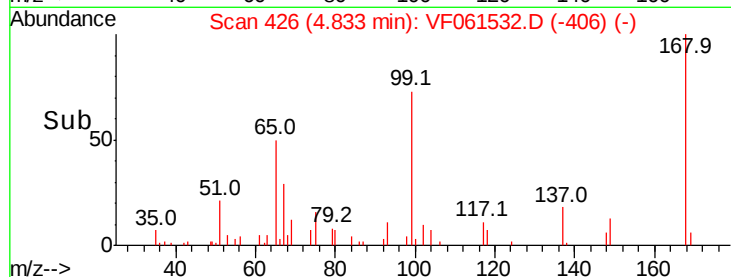
0

4.83

4.80

4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

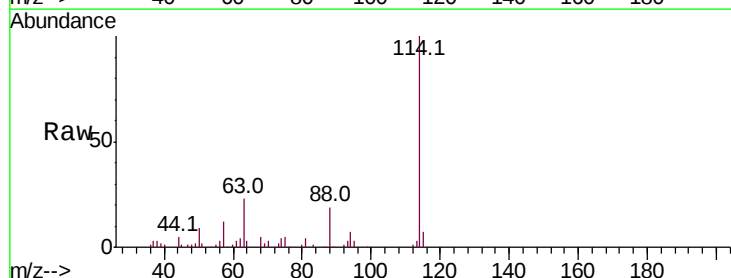
Tgt Ion: 114 Resp: 109179

Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.0

88 19.5 0.0 37.4



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

50000

40000

30000

20000

10000

0

5.58

5.40

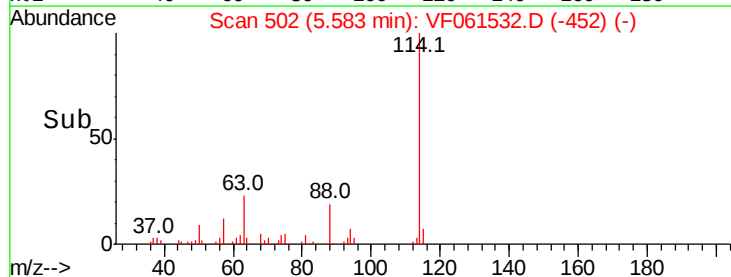
5.50

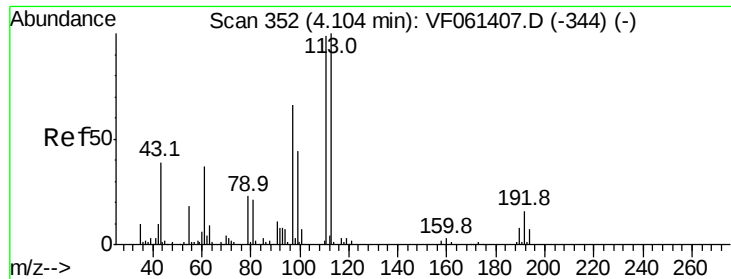
5.60

5.70

5.80

Time-->

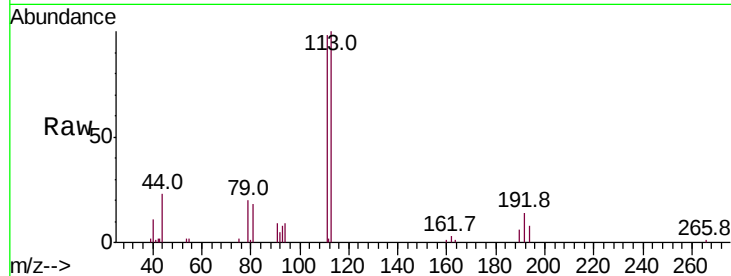




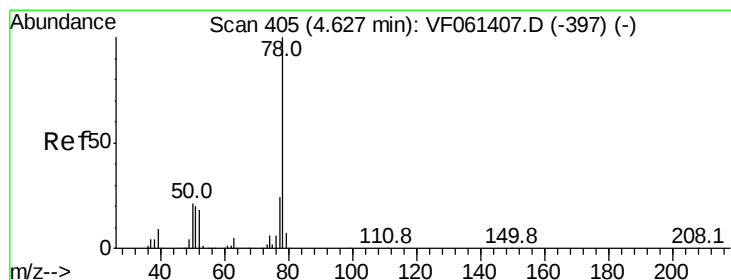
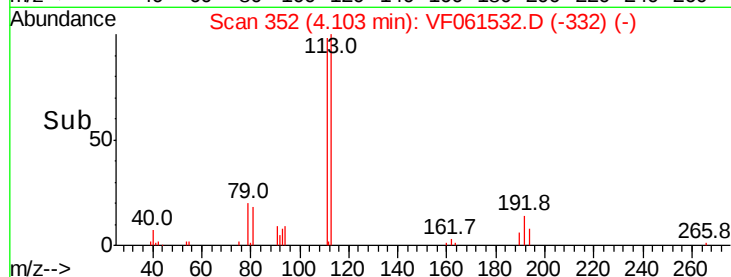
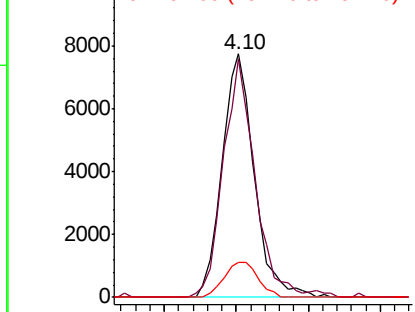
#35
Dibromofluoromethane
Concen: 27.757 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061532.D
Acq: 25 Jan 2019 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 23913
Ion Ratio Lower Upper
113 100
111 100.3 79.4 119.0
192 14.3 12.4 18.6

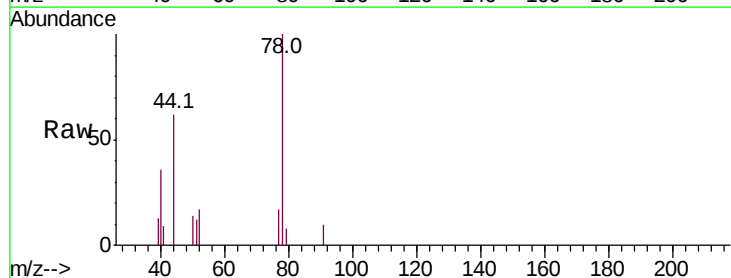


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

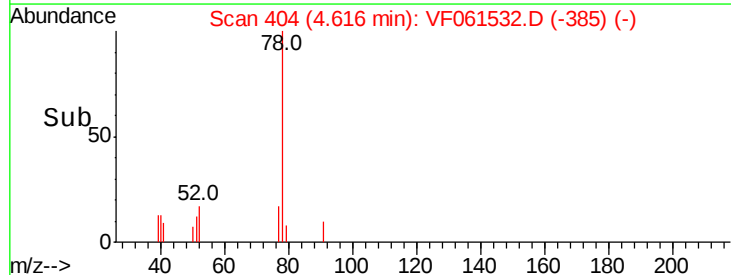
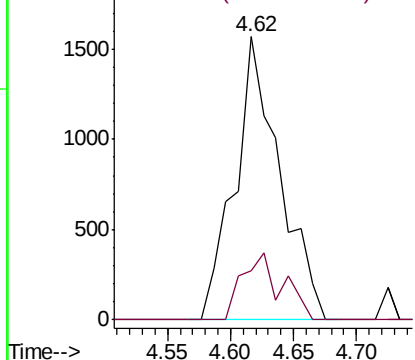


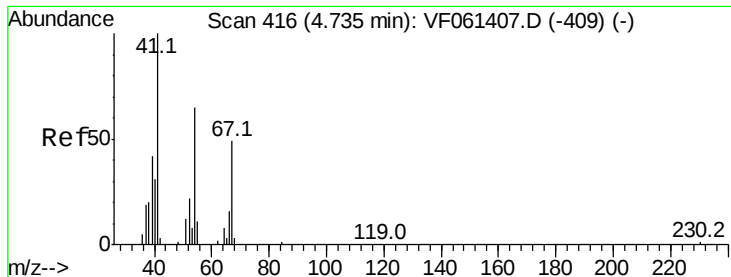
#40
Benzene
Concen: 1.376 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061532.D
Acq: 25 Jan 2019 20:40

Tgt Ion: 78 Resp: 3877
Ion Ratio Lower Upper
78 100
77 17.2 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 1.838 ug/l

RT: 4.70 min Scan# 413

Delta R.T. -0.03 min

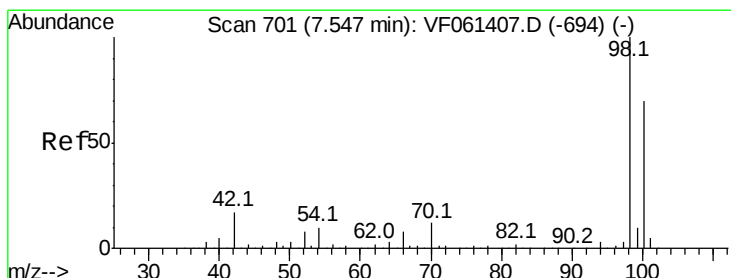
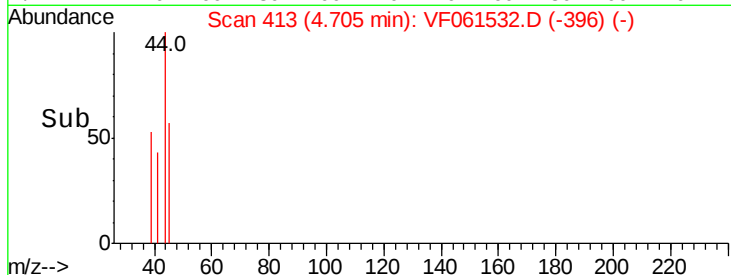
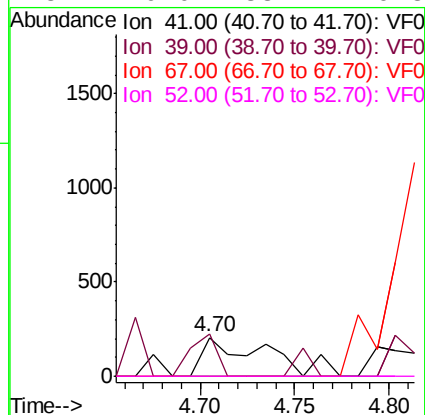
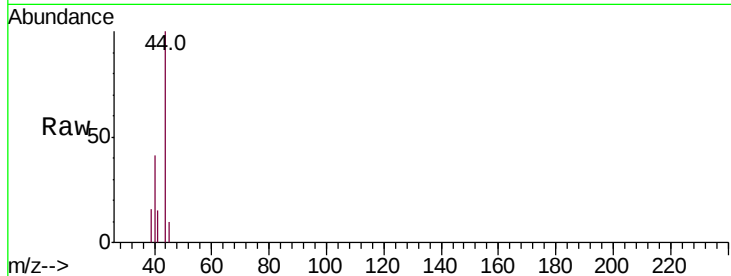
Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 495

Ion	Ratio	Lower	Upper
41	100		
39	108.3	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#50

Toluene-d8

Concen: 29.894 ug/l

RT: 7.55 min Scan# 701

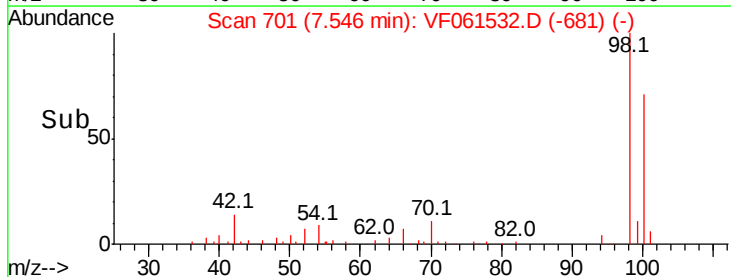
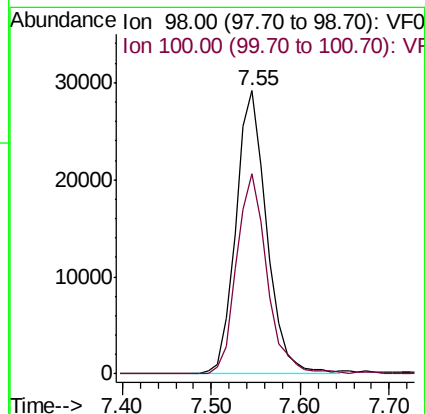
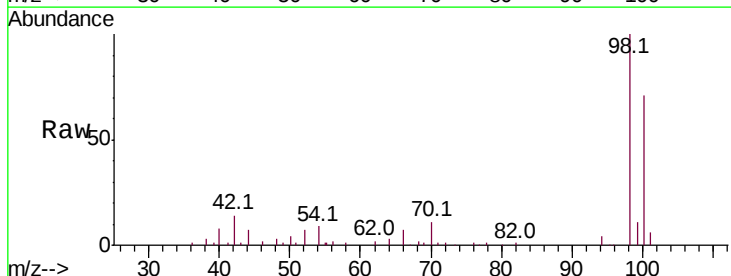
Delta R.T. -0.00 min

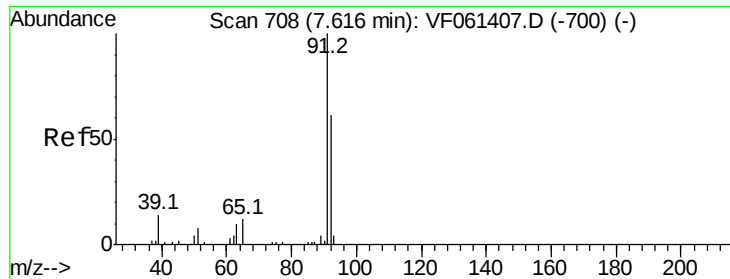
Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Tgt Ion: 98 Resp: 70562

Ion	Ratio	Lower	Upper
98	100		
100	70.8	55.6	83.4





#52

Toluene

Concen: 11.867 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Instrument :

MSVOA_F

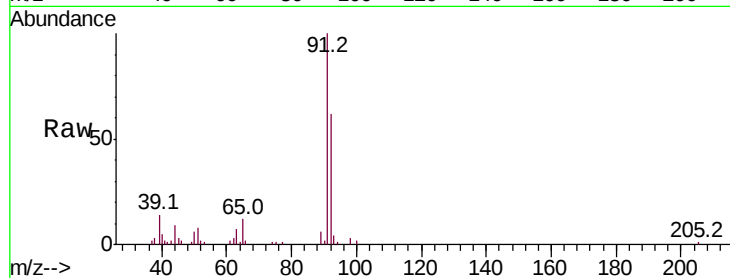
ClientSampleId :

Tot Ion: 92 Resp: 22012

Ion Ratio Lower Upper

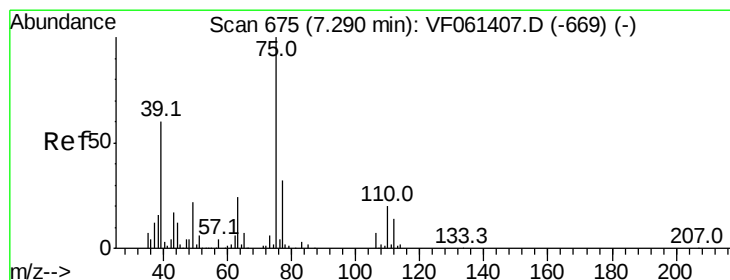
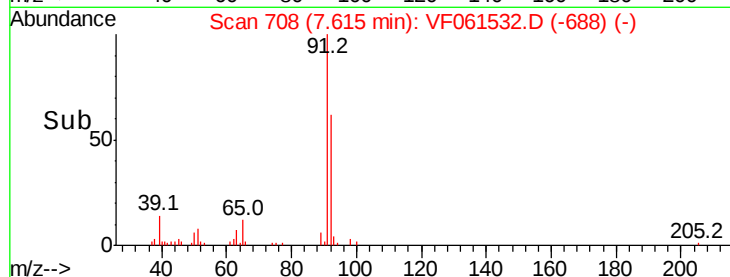
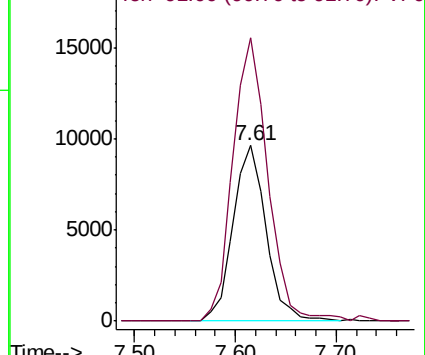
92 100

91 161.4 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 28.418 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.02 min

Lab File: VF061532.D

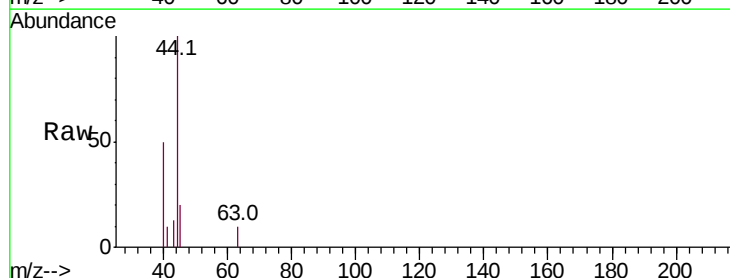
Acq: 25 Jan 2019 20:40

Tgt Ion: 63 Resp: 65

Ion Ratio Lower Upper

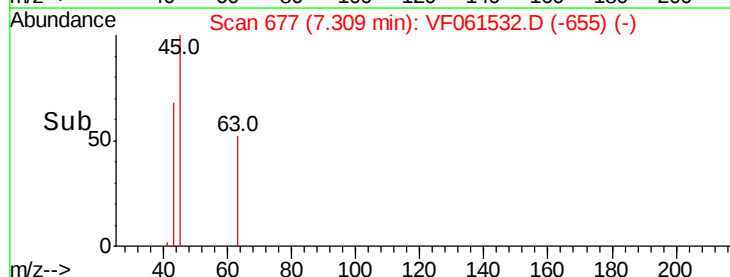
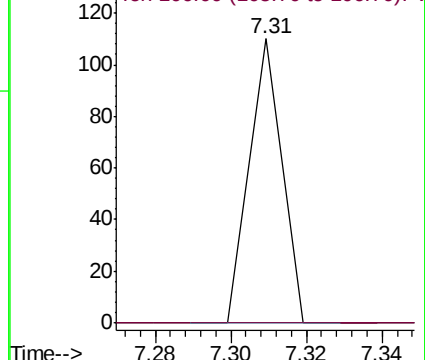
63 100

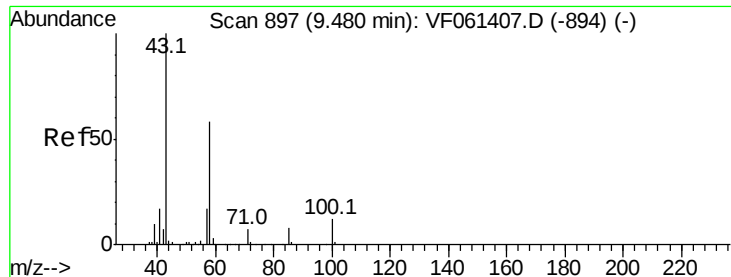
106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

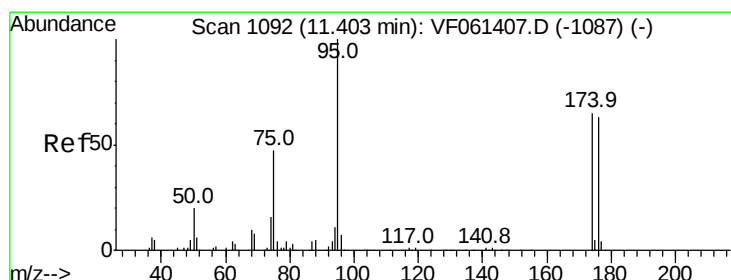
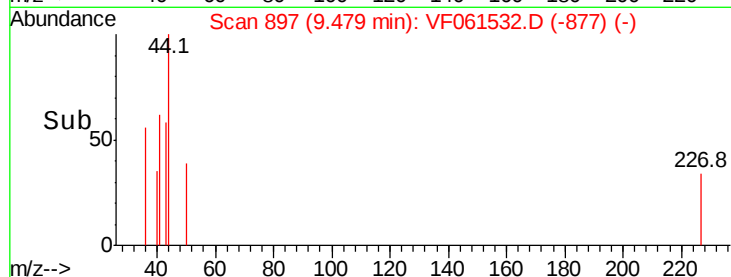
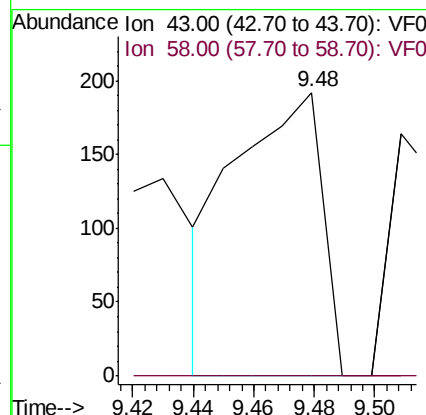
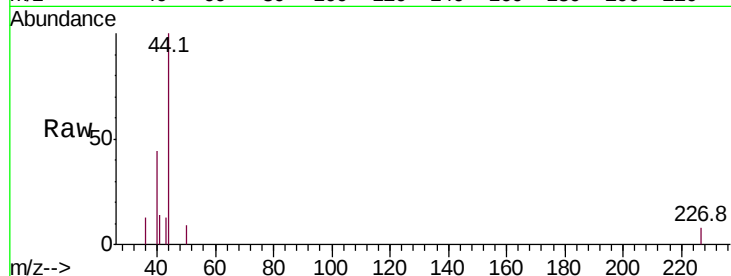




#59
2-Hexanone
Concen: 1.195 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.00 min
Lab File: VF061532.D
Acq: 25 Jan 2019 20:40

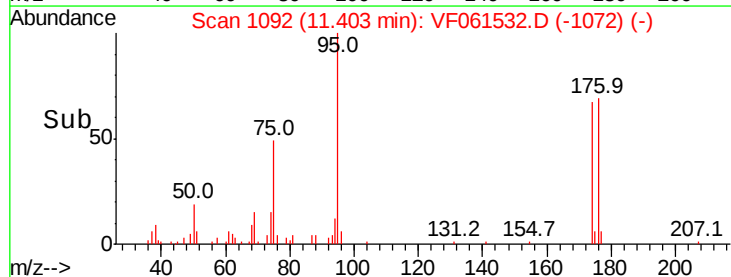
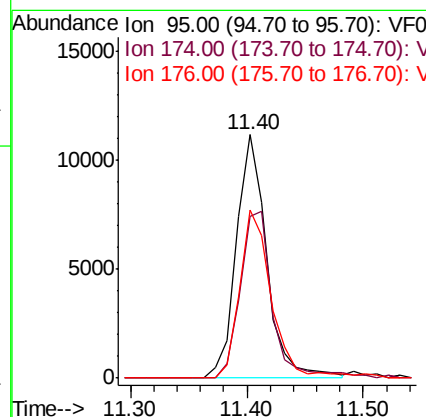
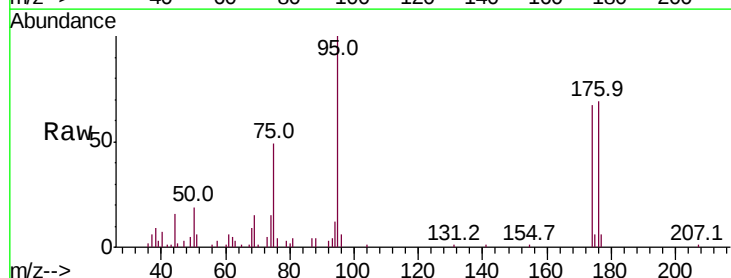
Instrument :
MSVOA_F
ClientSampled :

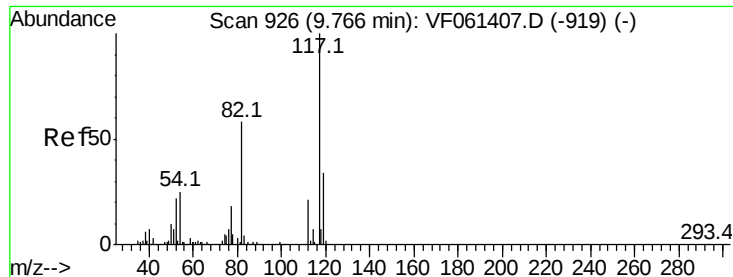
Tot Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 18.375 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF061532.D
Acq: 25 Jan 2019 20:40

Tgt Ion: 95 Resp: 20265
Ion Ratio Lower Upper
95 100
174 66.5 0.0 130.4
176 69.2 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Instrument :

MSVOA_F

ClientSampleId :

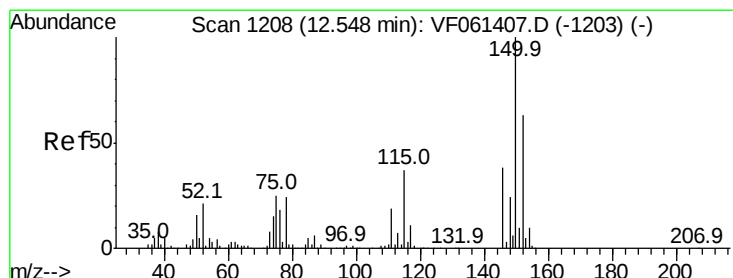
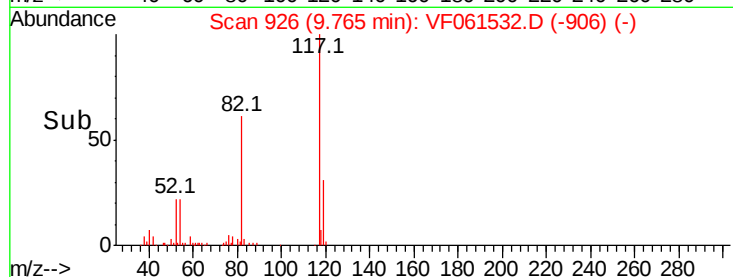
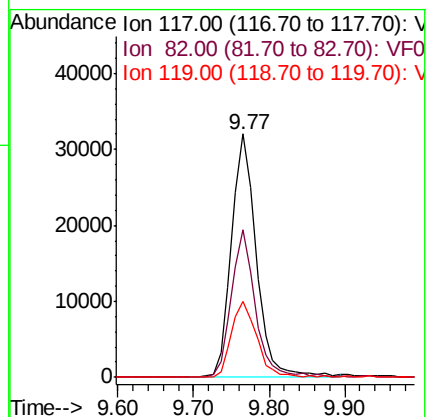
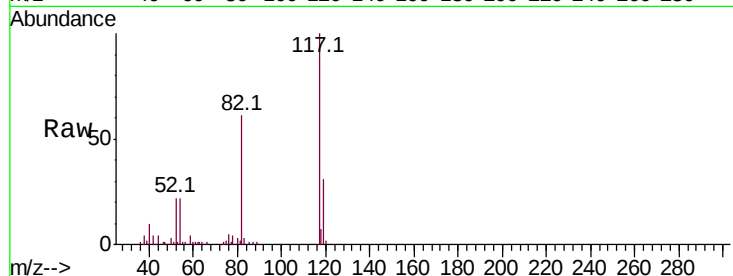
Tot Ion:117 Resp: 72962

Ion Ratio Lower Upper

117 100

82 60.7 46.4 69.6

119 31.3 27.2 40.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Tgt Ion:152 Resp: 27588

Ion Ratio Lower Upper

152 100

115 63.2 30.0 90.0

150 150.9 0.0 321.4

