

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
 Data File : VF061576.D
 Acq On : 9 Feb 2019 00:01
 Operator : VA/AP
 Sample : K1348-01RE
 Misc : 6.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-020719RE

Quant Time: Feb 09 04:34:26 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	4.85	168	166208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	294205	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	258743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	126669	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	98646	48.07	ug/l	0.00
Spiked Amount						
			Recovery	=	96.14%	
35) Dibromofluoromethane	4.10	113	105352	45.38	ug/l	0.00
Spiked Amount						
			Recovery	=	90.76%	
50) Toluene-d8	7.54	98	226608	35.63	ug/l	0.00
Spiked Amount						
			Recovery	=	71.26%	
62) 4-Bromofluorobenzene	11.39	95	116149	39.08	ug/l	0.00
Spiked Amount						
			Recovery	=	78.16%	

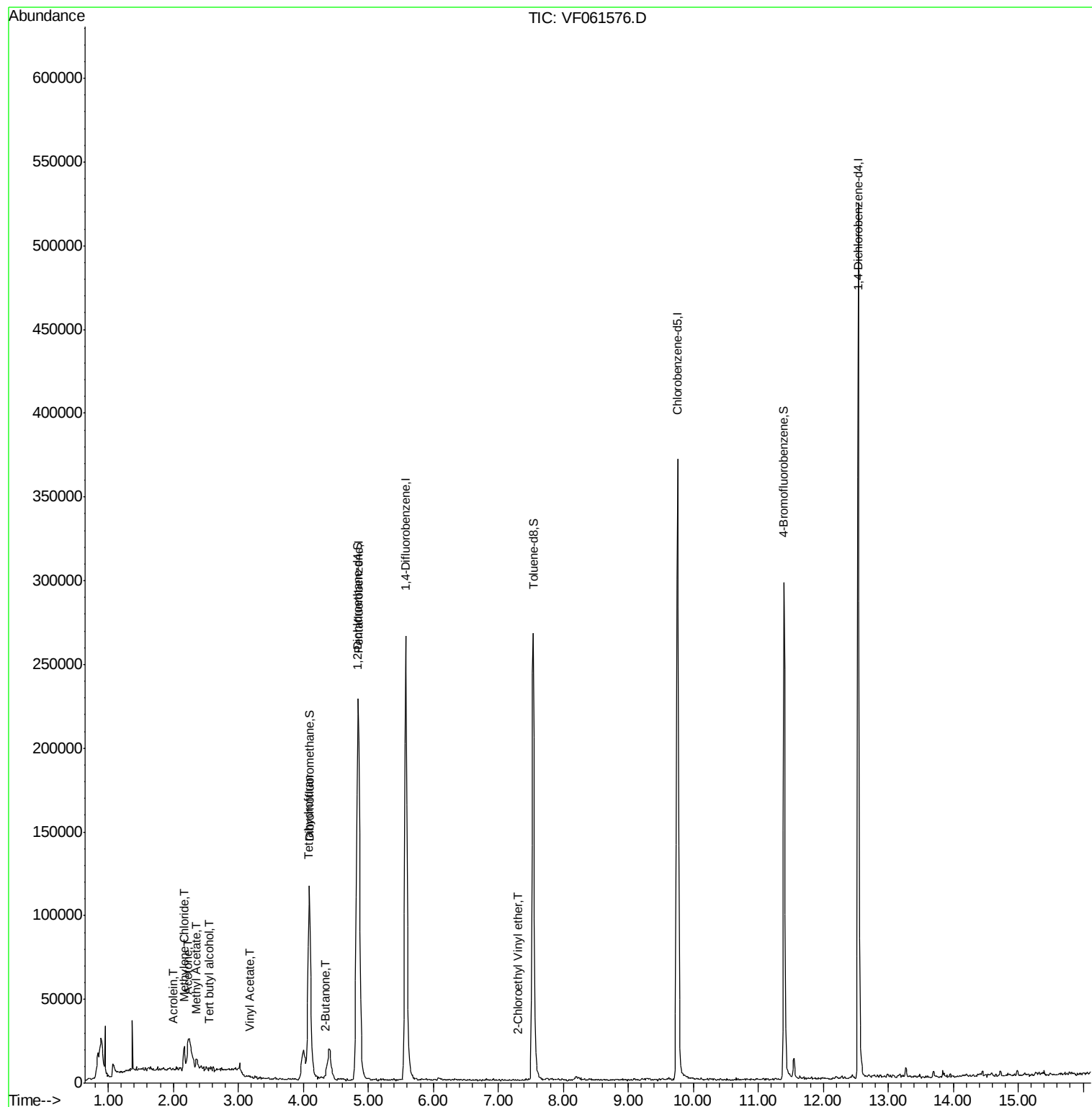
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	247	2.844	ug/l #	23
13) Acrolein	1.98	56	243	13.451	ug/l #	43
14) Allyl chloride	2.09	41	294	Below Cal	#	79
16) Acetone	2.23	43	17928	43.550	ug/l	92
18) Methyl Acetate	2.36	43	2530	3.099	ug/l #	61
20) Methylene Chloride	2.17	84	5678	2.390	ug/l	93
23) Vinyl Acetate	3.19	43	1039	3.637	ug/l #	78
25) 2-Butanone	4.33	43	1441	2.105	ug/l #	57
29) Tetrahydrofuran	4.08	42	1735	5.886	ug/l #	70
58) 2-Chloroethyl Vinyl ether	7.30	63	60	27.826	ug/l #	47

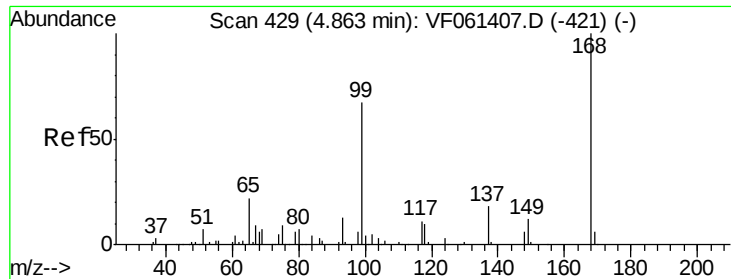
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

Instrument :

MSVOA_F

ClientSampleId :

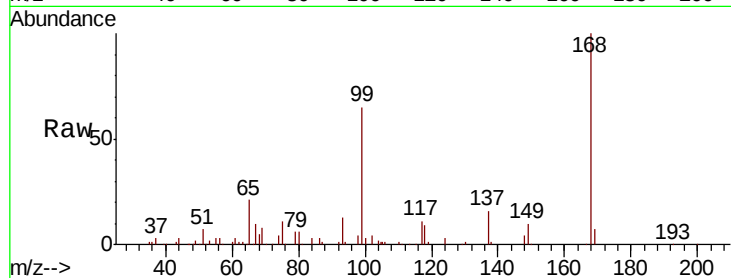
OK-01-020719RE

Tgt Ion:168 Resp: 166208

Ion Ratio Lower Upper

168 100

99 64.7 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

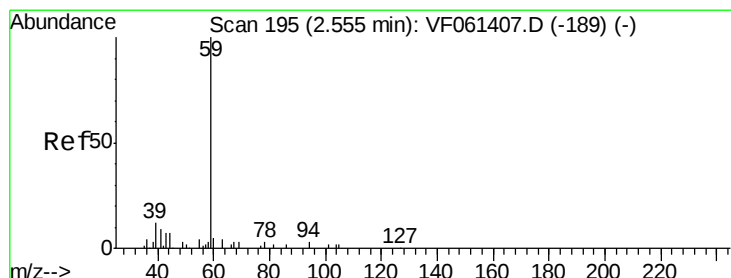
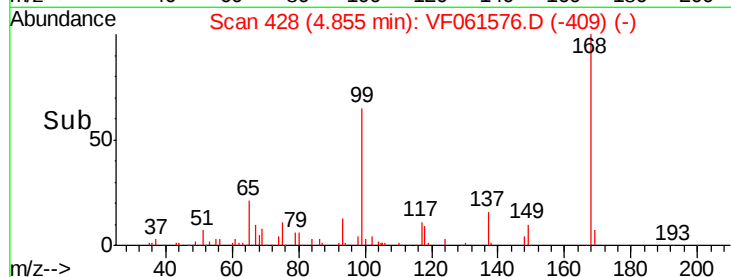
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#11

Tert butyl alcohol

Concen: 2.844 ug/l

RT: 2.56 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF061576.D

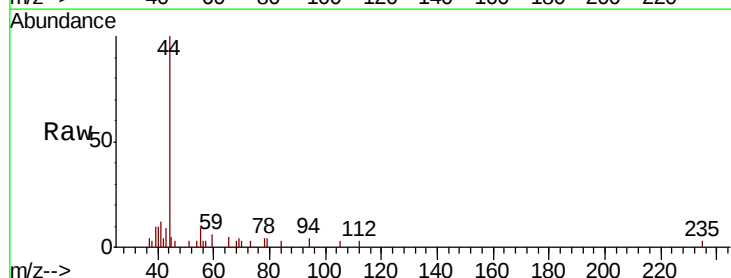
Acq: 9 Feb 2019 00:01

Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 47.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

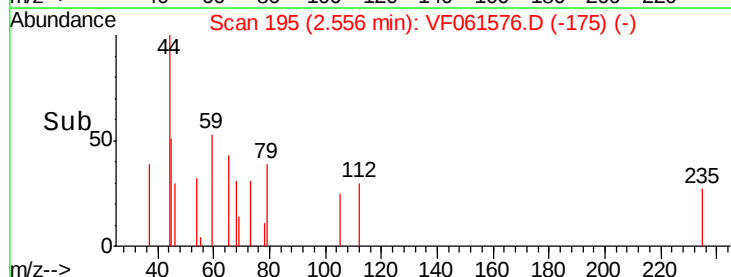
100

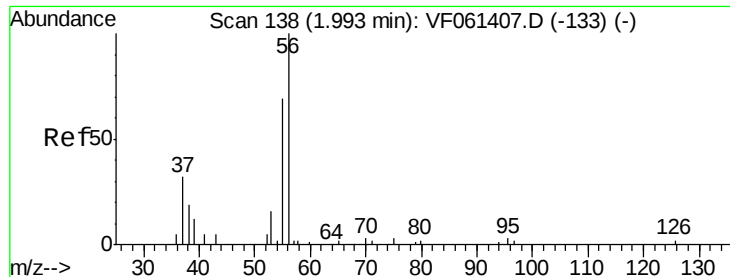
50

0

2.52 2.54 2.56 2.58

Time-->





#13

Acrolein

Concen: 13.451 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

Instrument :

MSVOA_F

ClientSampleId :

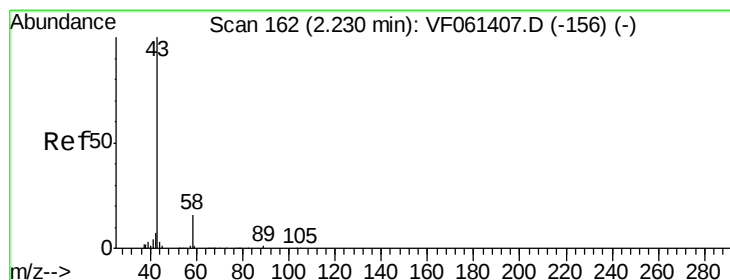
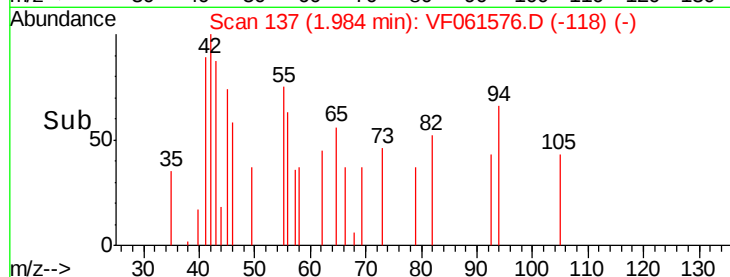
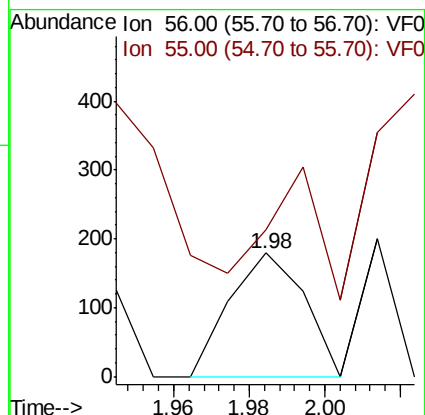
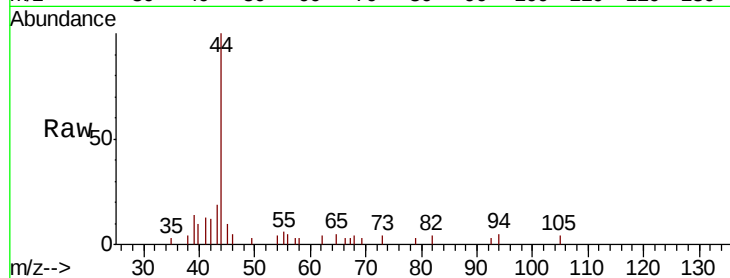
OK-01-020719RE

Tgt Ion: 56 Resp: 243

Ion Ratio Lower Upper

56 100

55 119.0 57.5 86.3#



#16

Acetone

Concen: 43.550 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061576.D

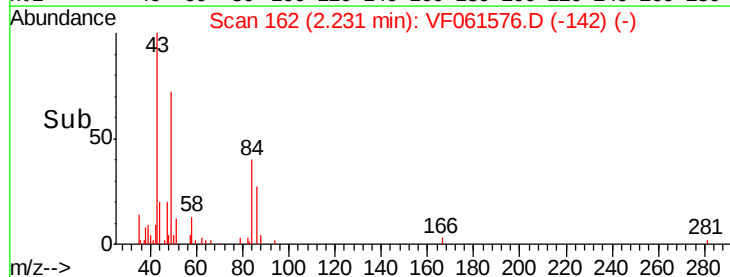
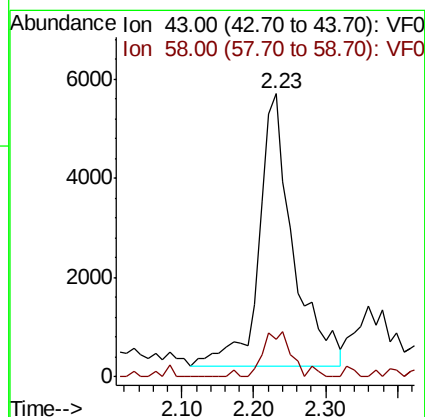
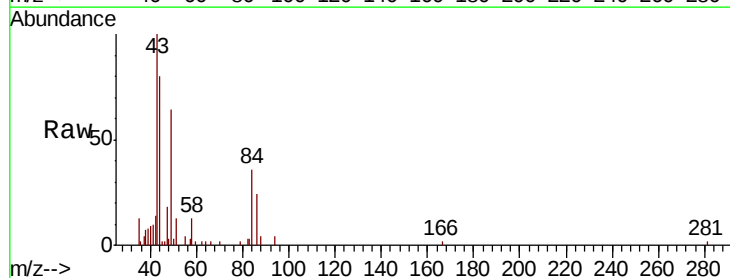
Acq: 9 Feb 2019 00:01

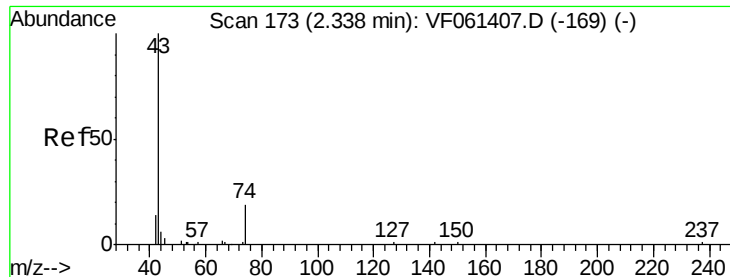
Tgt Ion: 43 Resp: 17928

Ion Ratio Lower Upper

43 100

58 13.4 13.3 19.9

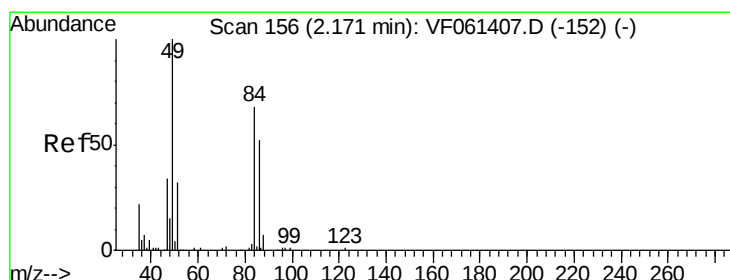
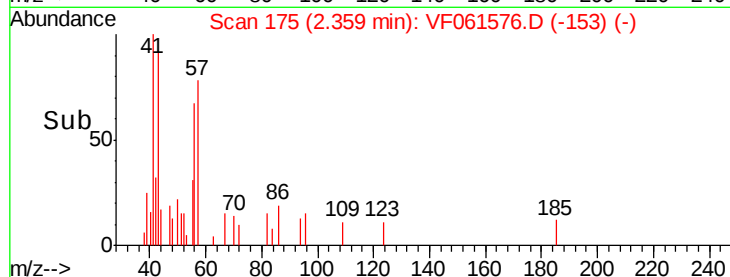
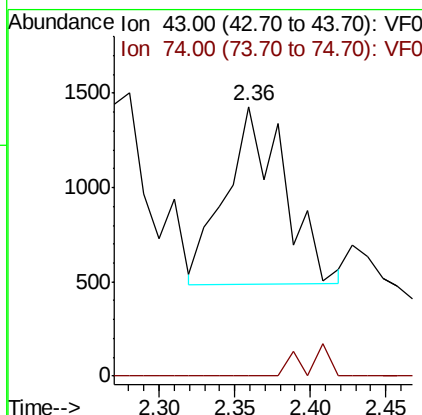
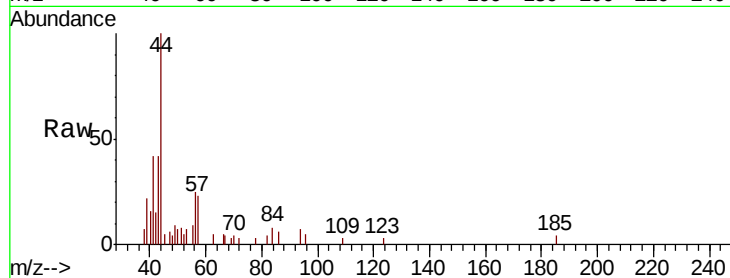




#18
Methyl Acetate
Concen: 3.099 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.02 min
Lab File: VF061576.D
Acq: 9 Feb 2019 00:01

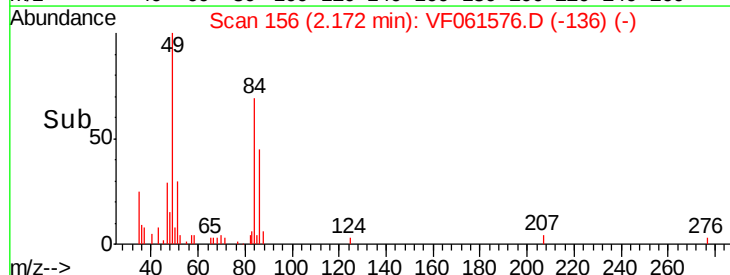
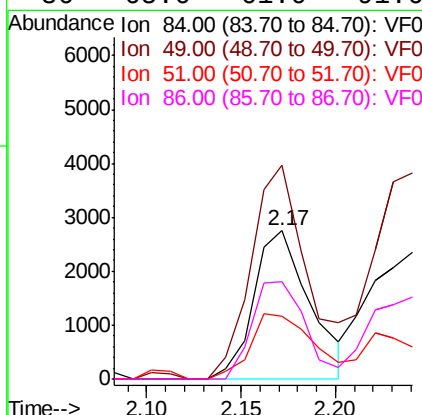
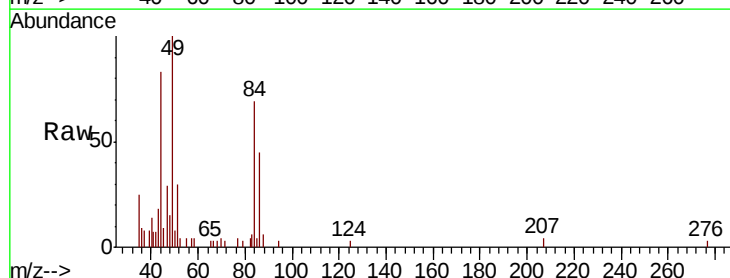
Instrument :
MSVOA_F
ClientSampleId :
OK-01-020719RE

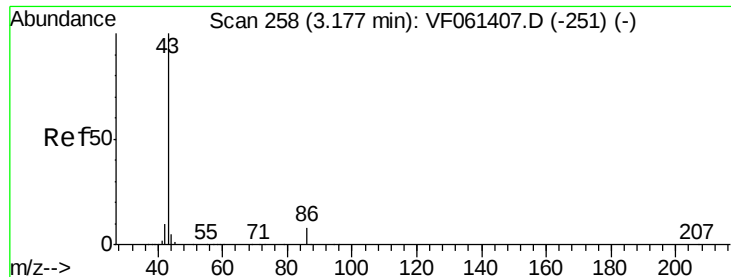
Tgt Ion: 43 Resp: 2530
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#20
Methylene Chloride
Concen: 2.390 ug/l
RT: 2.17 min Scan# 156
Delta R.T. 0.00 min
Lab File: VF061576.D
Acq: 9 Feb 2019 00:01

Tgt Ion: 84 Resp: 5678
Ion Ratio Lower Upper
84 100
49 144.1 120.0 180.0
51 42.6 38.6 58.0
86 65.6 61.0 91.6





#23

Vinyl Acetate

Concen: 3.637 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

Instrument :

MSVOA_F

ClientSampleId :

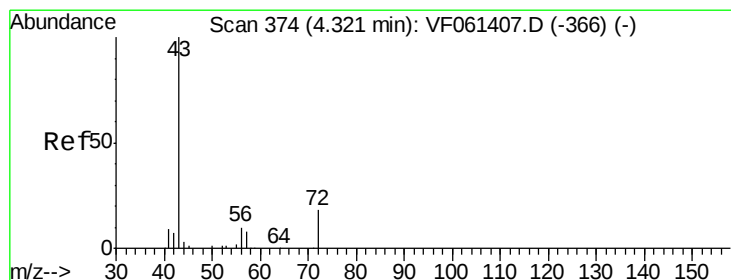
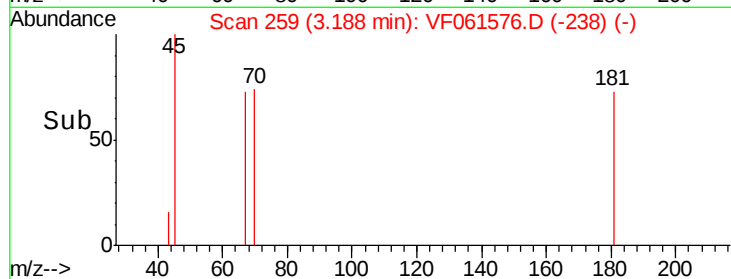
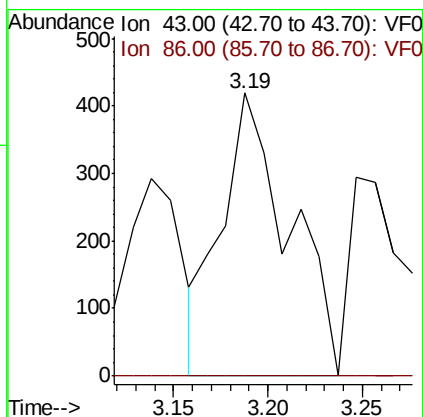
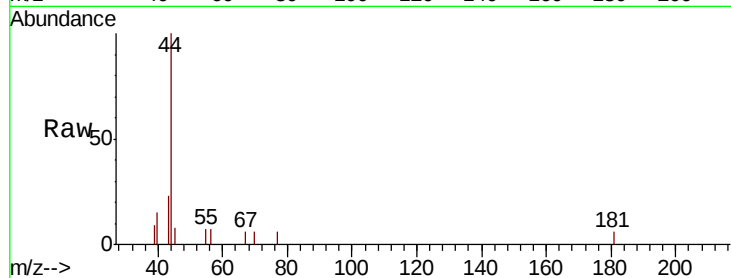
OK-01-020719RE

Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#25

2-Butanone

Concen: 2.105 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061576.D

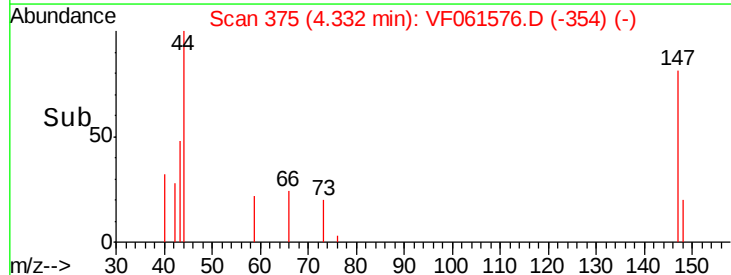
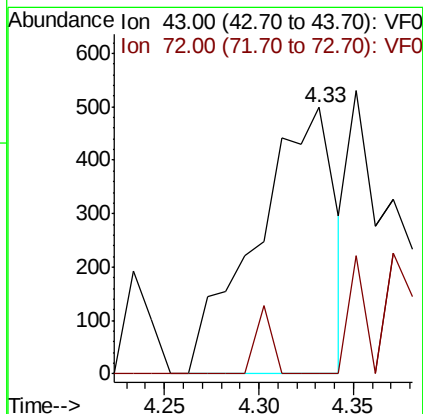
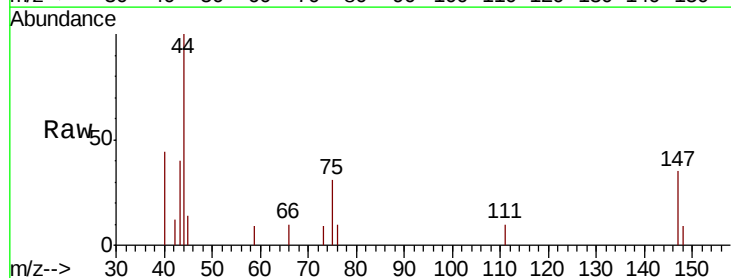
Acq: 9 Feb 2019 00:01

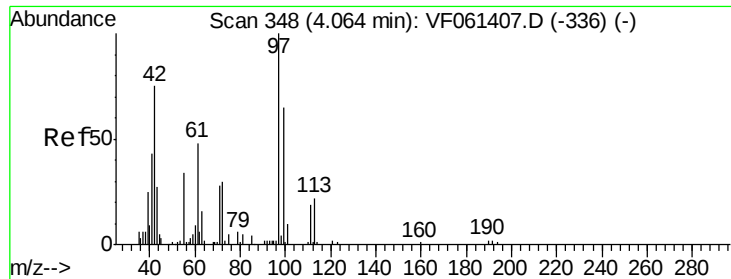
Tgt Ion: 43 Resp: 1441

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#





#29

Tetrahydrofuran

Concen: 5.886 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

Instrument :

MSVOA_F

ClientSampleId :

OK-01-020719RE

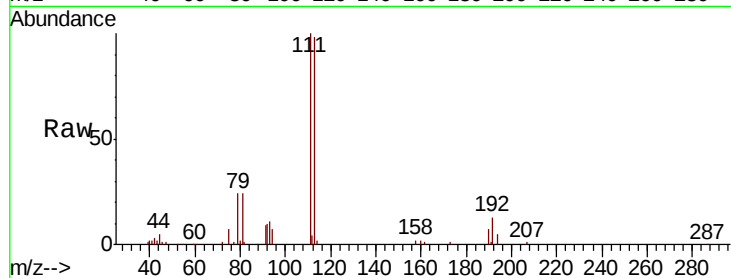
Tgt Ion: 42 Resp: 1735

Ion Ratio Lower Upper

42 100

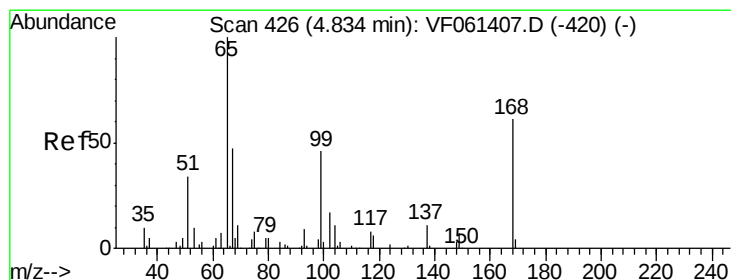
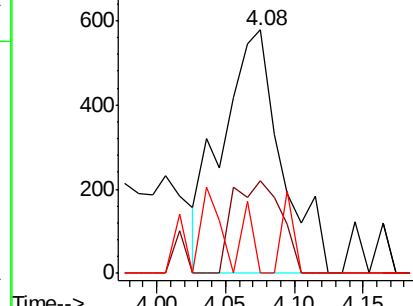
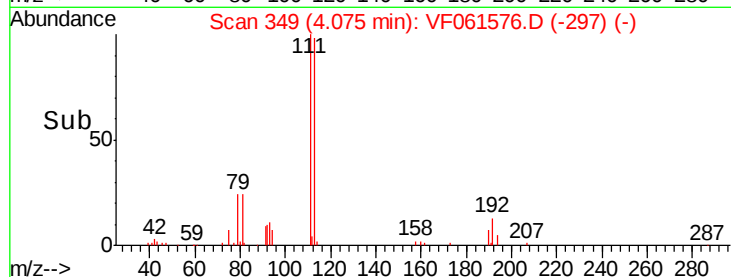
72 30.9 28.9 43.3

71 6.7 29.6 44.4#



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

4.08



#33

1,2-Dichloroethane-d4

Concen: 48.072 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061576.D

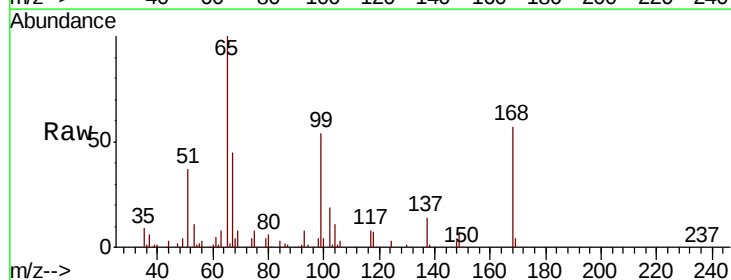
Acq: 9 Feb 2019 00:01

Tgt Ion: 65 Resp: 98646

Ion Ratio Lower Upper

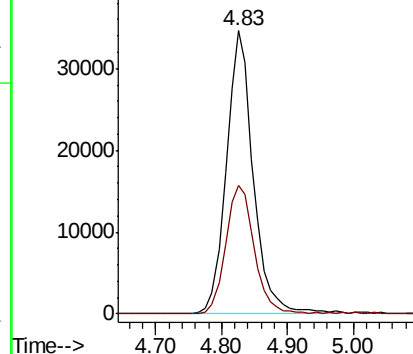
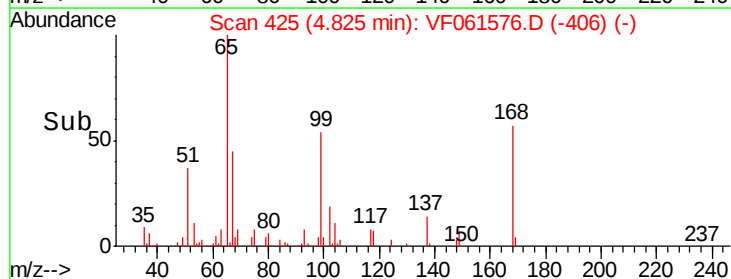
65 100

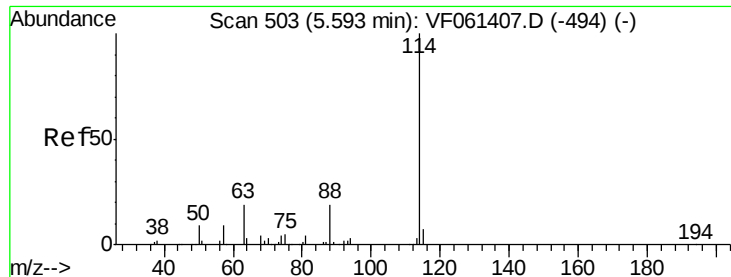
67 45.4 0.0 99.8



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

4.83





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

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OK-01-020719RE

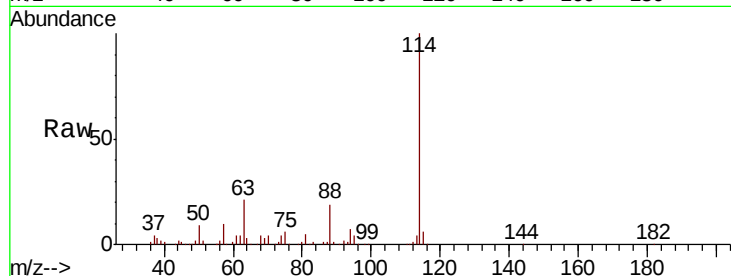
Tgt Ion:114 Resp: 294205

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

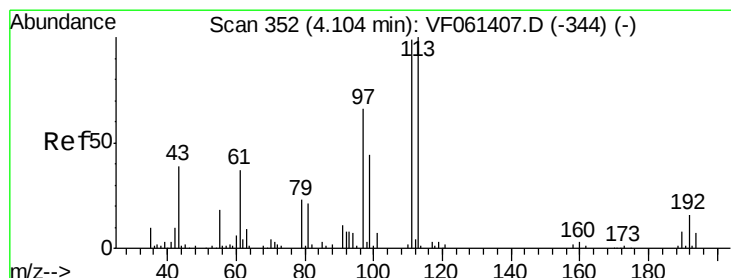
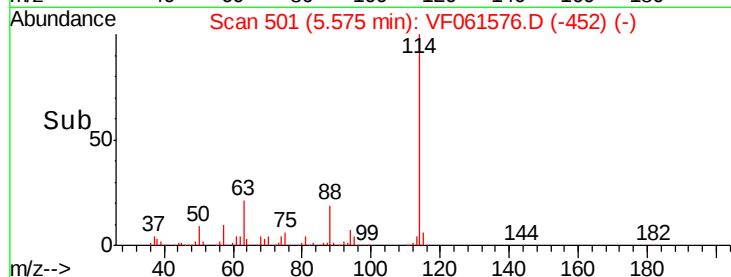
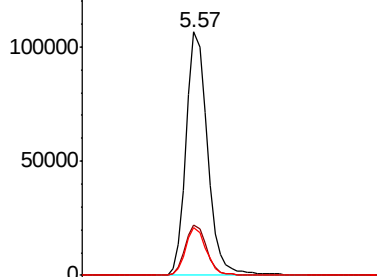
88 19.4 0.0 37.4



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



#35

Dibromofluoromethane

Concen: 45.380 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

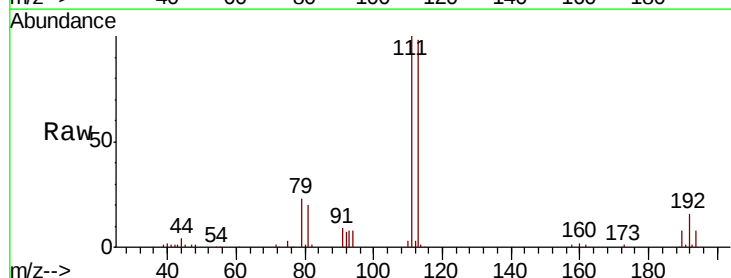
Tgt Ion:113 Resp: 105352

Ion Ratio Lower Upper

113 100

111 100.8 79.4 119.0

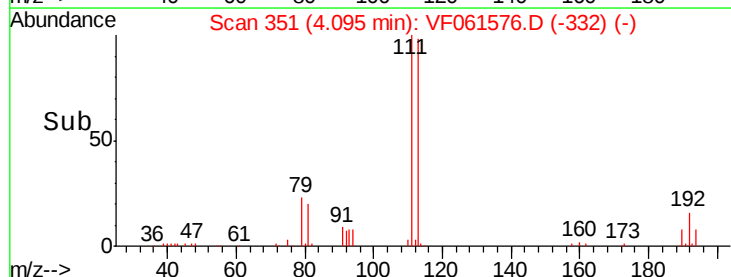
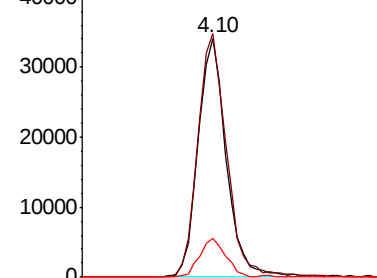
192 16.6 12.4 18.6

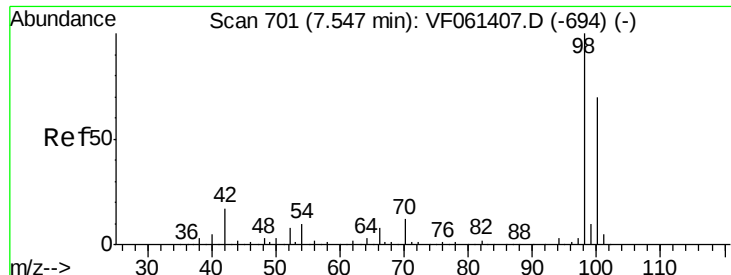


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 35.627 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

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MSVOA_F

ClientSampleId :

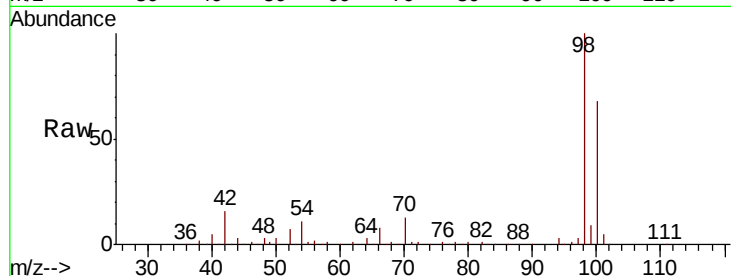
OK-01-020719RE

Tgt Ion: 98 Resp: 226608

Ion Ratio Lower Upper

98 100

100 68.5 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.54

100000

80000

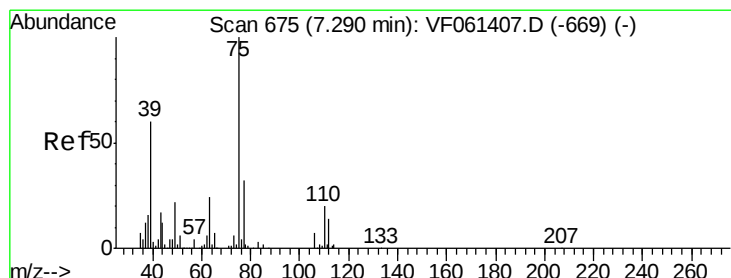
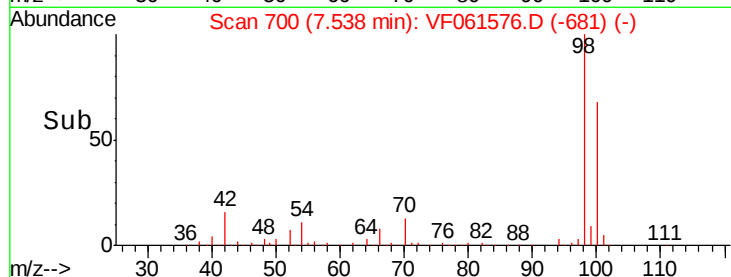
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 27.826 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061576.D

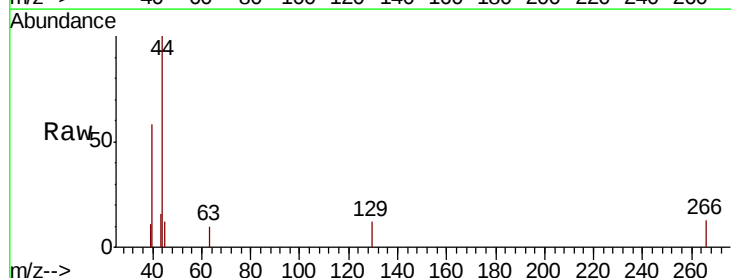
Acq: 9 Feb 2019 00:01

Tgt Ion: 63 Resp: 60

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

120

100

80

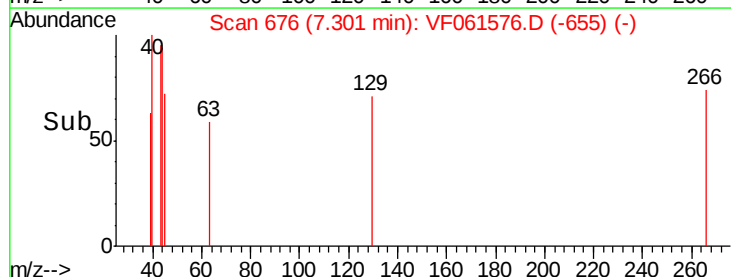
60

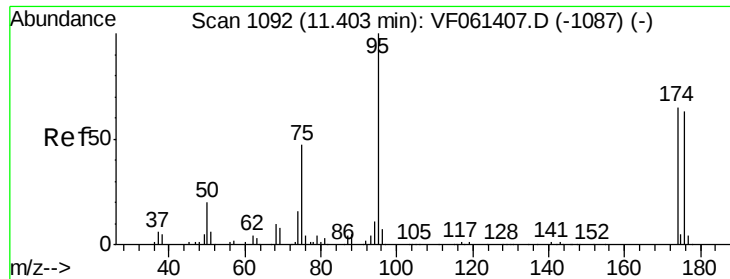
40

20

0

Time-->





#62

4-Bromofluorobenzene

Concen: 39.083 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

Instrument :

MSVOA_F

ClientSampleId :

OK-01-020719RE

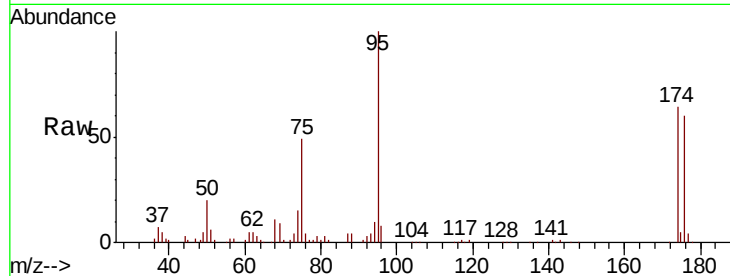
Tgt Ion: 95 Resp: 116149

Ion Ratio Lower Upper

95 100

174 64.1 0.0 130.4

176 59.9 0.0 126.2

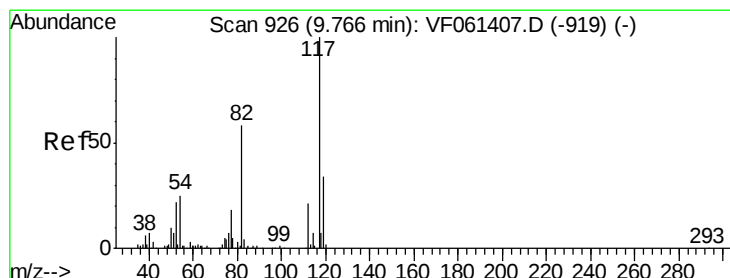
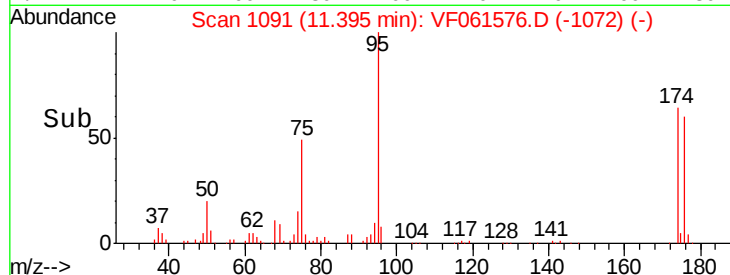


Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 925

Delta R.T. -0.01 min

Lab File: VF061576.D

Acq: 9 Feb 2019 00:01

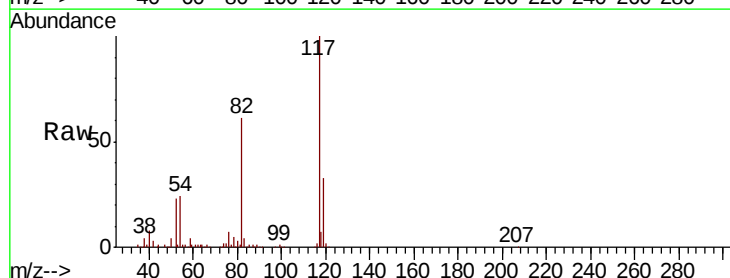
Tgt Ion: 117 Resp: 258743

Ion Ratio Lower Upper

117 100

82 61.2 46.4 69.6

119 32.6 27.2 40.8

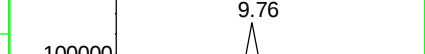
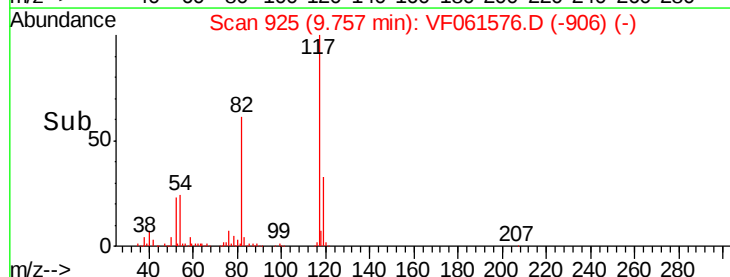


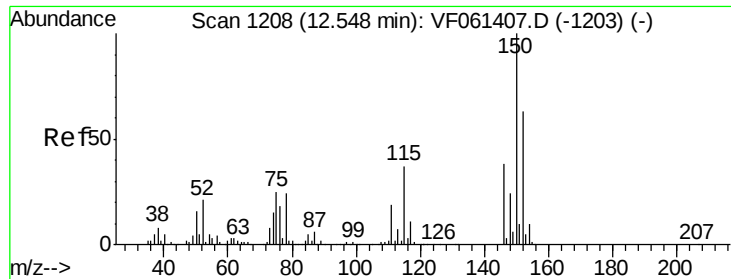
Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)

Time-->



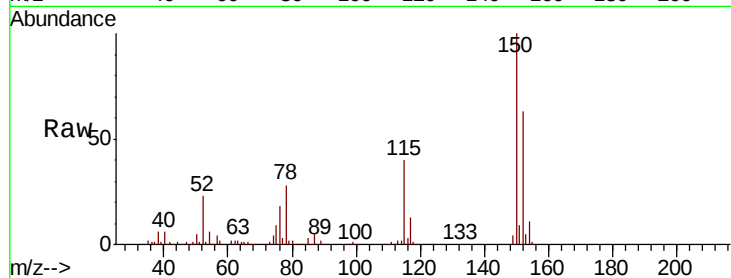


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061576.D
Acq: 9 Feb 2019 00:01

Instrument :
MSVOA_F
ClientSampleId :
OK-01-020719RE

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	30.0	90.0
150	158.7	0.0	321.4



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

