

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032019\
 Data File : VF062041.D
 Acq On : 20 Mar 2019 15:42
 Operator : VA/AP
 Sample : K1692-03
 Misc : 7.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-031819

Quant Time: Mar 21 09:55:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

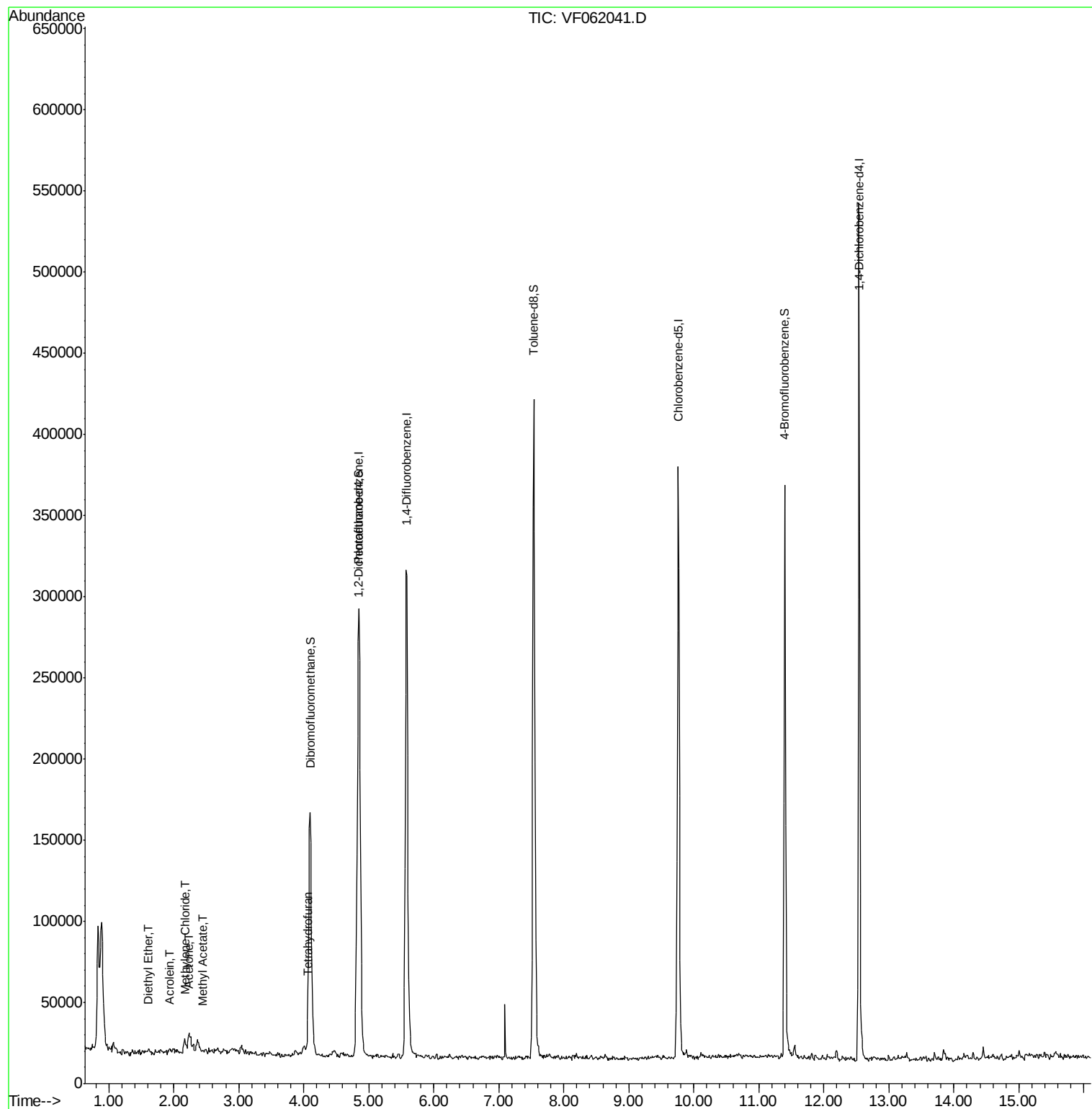
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	245042	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	378754	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	292097	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	145323	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	105380	59.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.48%	
35) Dibromofluoromethane	4.10	113	152240	59.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.72%	
50) Toluene-d8	7.54	98	370700	49.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.40	95	144815	49.03	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.06%	
Target Compounds						
8) Diethyl Ether	1.62	74	868	1.148	ug/l	95
13) Acrolein	1.94	56	612	5.252	ug/l	100
16) Acetone	2.22	43	7090	17.900	ug/l	91
18) Methyl Acetate	2.46	43	1285	1.586	ug/l #	63
20) Methylene Chloride	2.17	84	3643	1.786	ug/l	87
29) Tetrahydrofuran	4.05	42	375	1.099	ug/l #	48

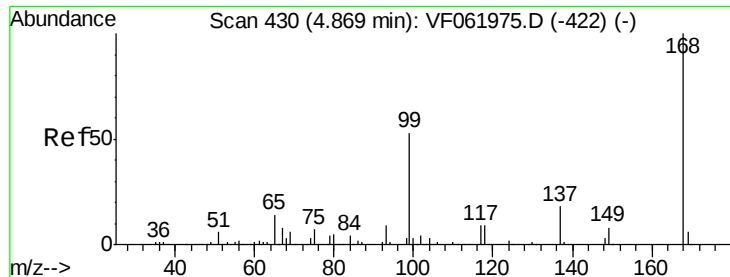
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF062041.D

Acq: 20 Mar 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

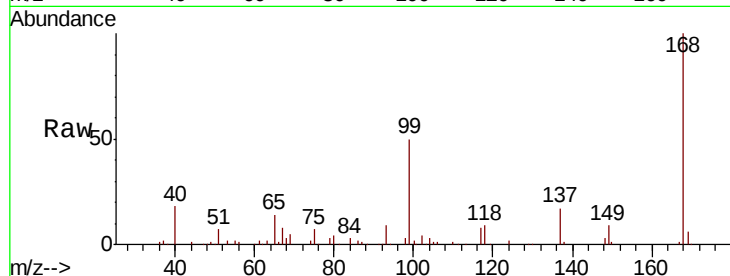
OK-02-031819

Tgt Ion:168 Resp: 245042

Ion Ratio Lower Upper

168 100

99 50.0 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

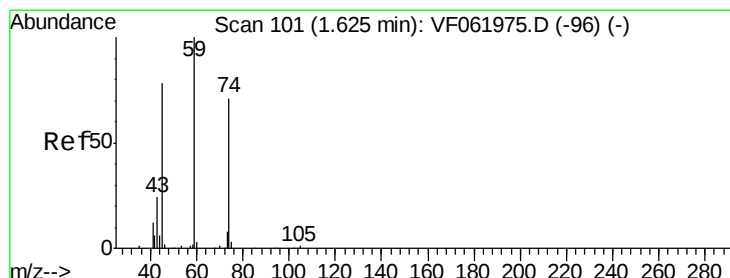
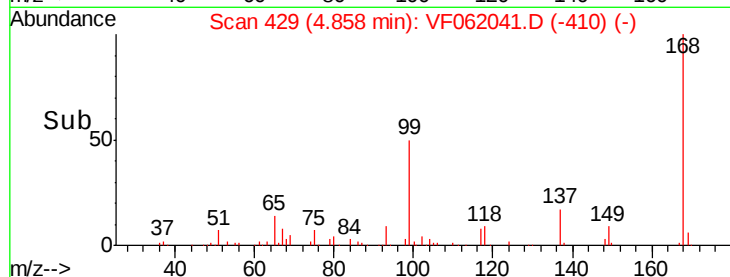
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.148 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF062041.D

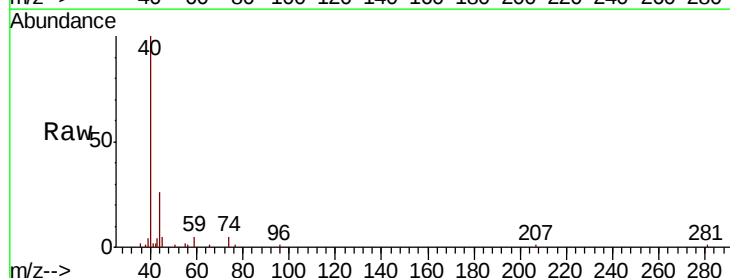
Acq: 20 Mar 2019 15:42

Tgt Ion: 74 Resp: 868

Ion Ratio Lower Upper

74 100

45 106.9 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.62

600

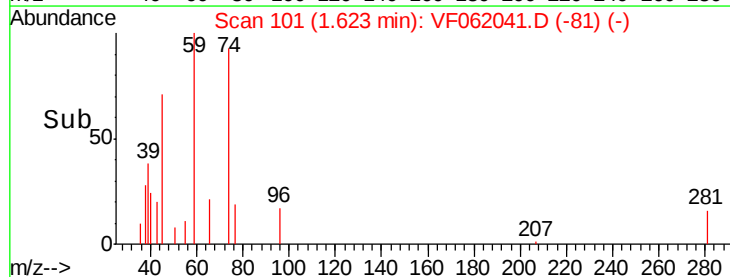
400

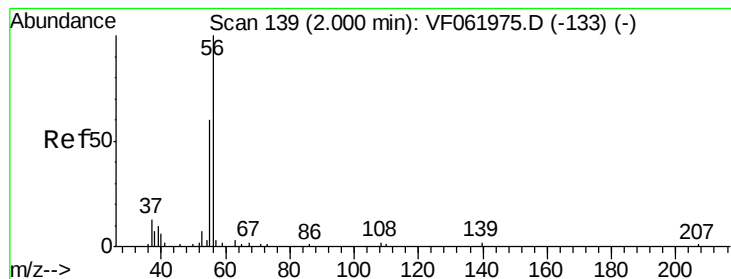
200

0

Time-->

1.60 1.65





#13

Acrolein

Concen: 5.252 ug/l

RT: 1.94 min Scan# 133

Delta R.T. -0.06 min

Lab File: VF062041.D

Acq: 20 Mar 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

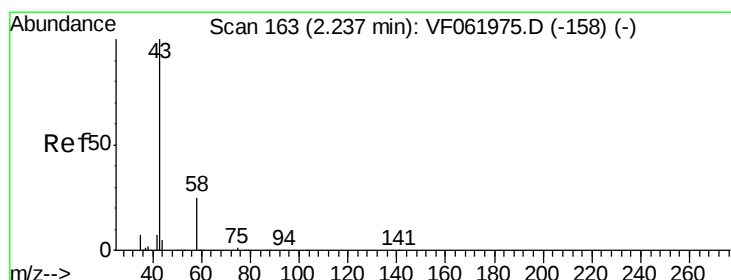
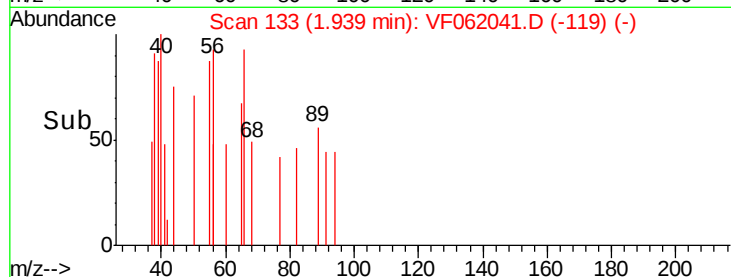
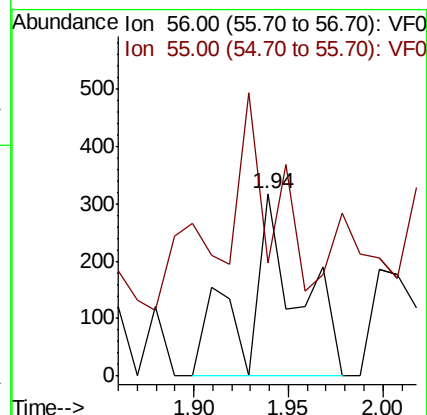
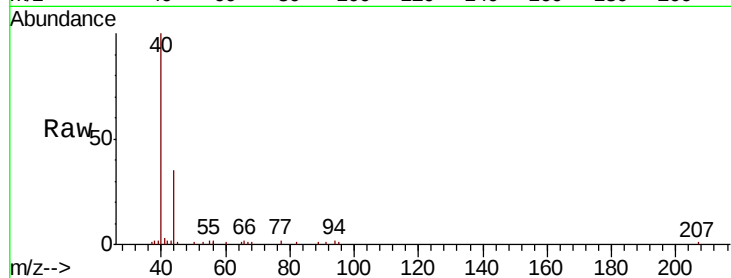
OK-02-031819

Tgt Ion: 56 Resp: 612

Ion Ratio Lower Upper

56 100

55 61.6 49.1 73.7



#16

Acetone

Concen: 17.900 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF062041.D

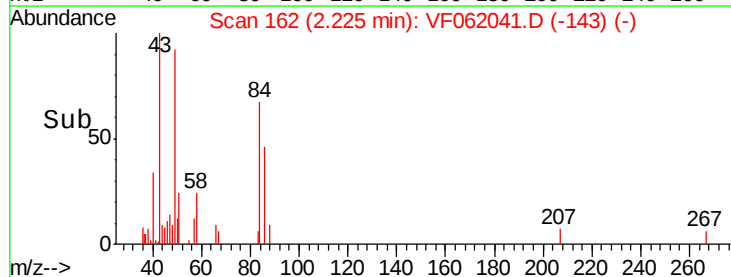
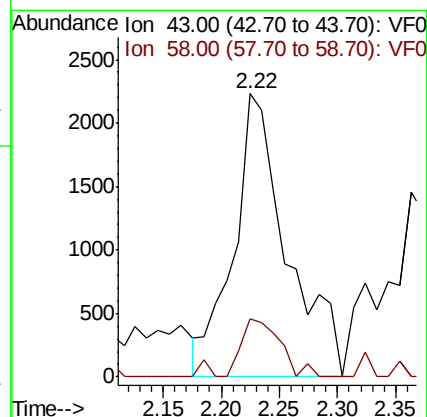
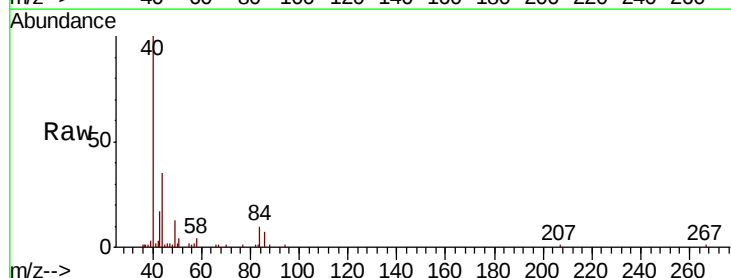
Acq: 20 Mar 2019 15:42

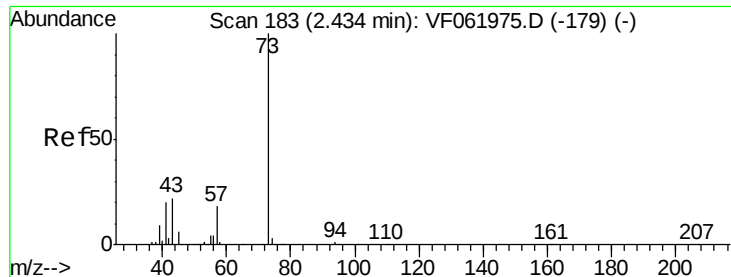
Tgt Ion: 43 Resp: 7090

Ion Ratio Lower Upper

43 100

58 20.5 19.9 29.9

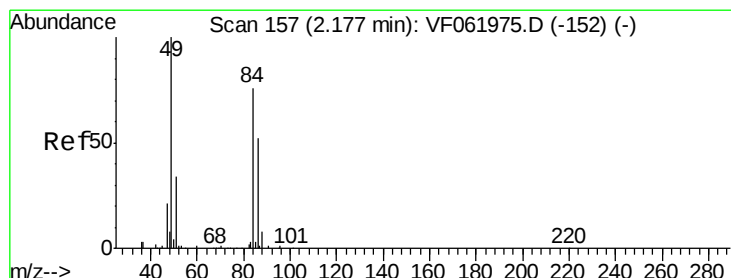
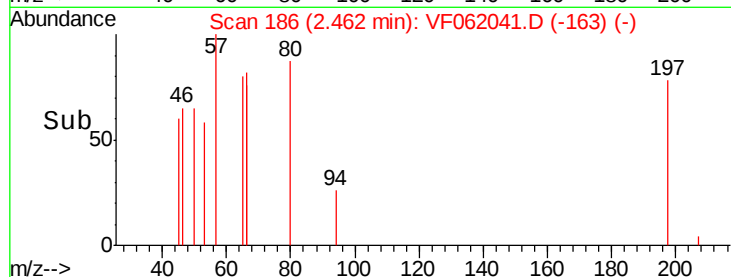
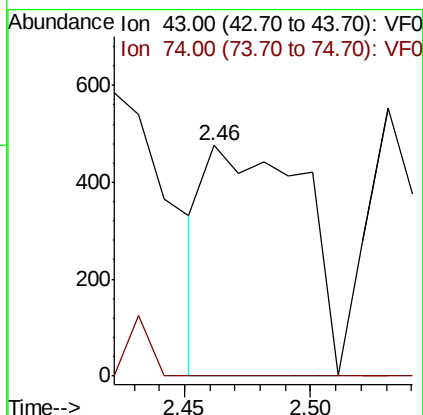
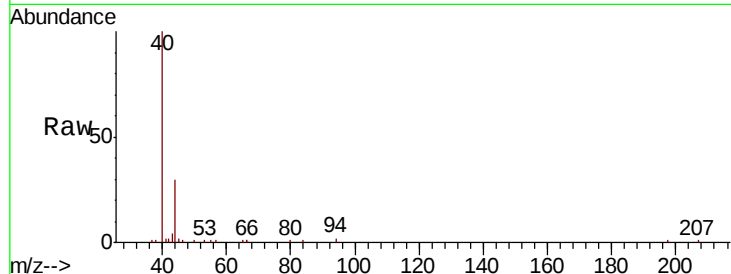




#18
Methyl Acetate
Concen: 1.586 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF062041.D
Acq: 20 Mar 2019 15:42

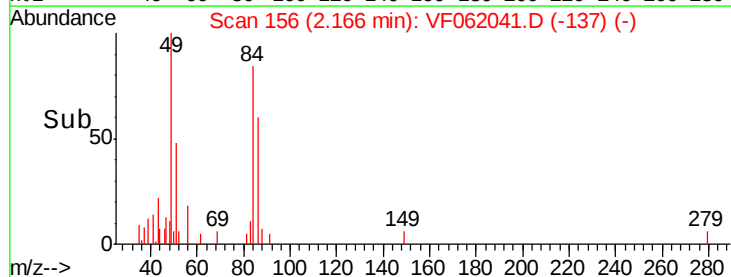
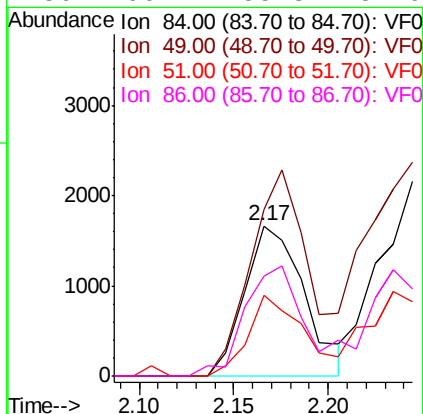
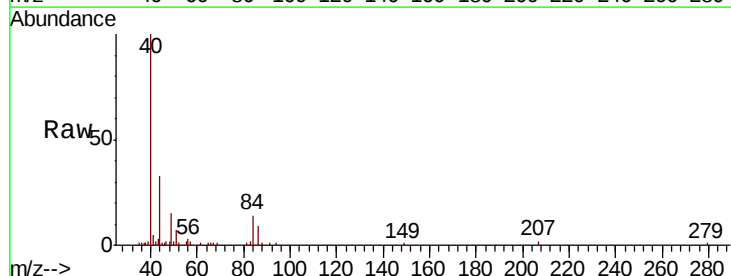
Instrument :
MSVOA_F
ClientSampleId :
OK-02-031819

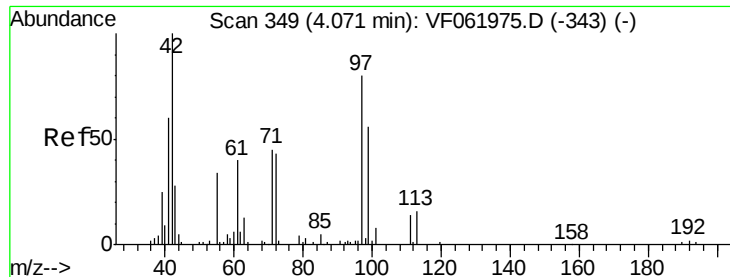
Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
74 0.0 12.6 18.8#



#20
Methylene Chloride
Concen: 1.786 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062041.D
Acq: 20 Mar 2019 15:42

Tgt Ion: 84 Resp: 3643
Ion Ratio Lower Upper
84 100
49 110.5 107.0 160.6
51 53.5 37.2 55.8
86 66.7 55.3 82.9





#29

Tetrahydrofuran

Concen: 1.099 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF062041.D

Acq: 20 Mar 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

OK-02-031819

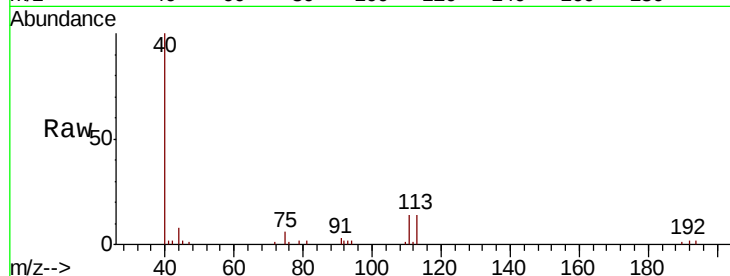
Tgt Ion: 42 Resp: 375

Ion Ratio Lower Upper

42 100

72 18.7 34.0 51.0#

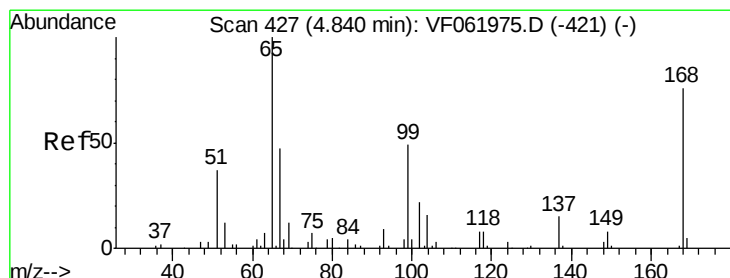
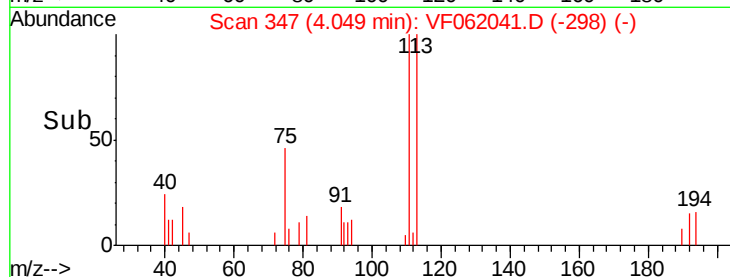
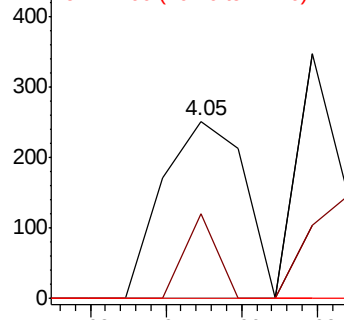
71 0.0 34.2 51.4#



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



#33

1,2-Dichloroethane-d4

Concen: 59.742 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF062041.D

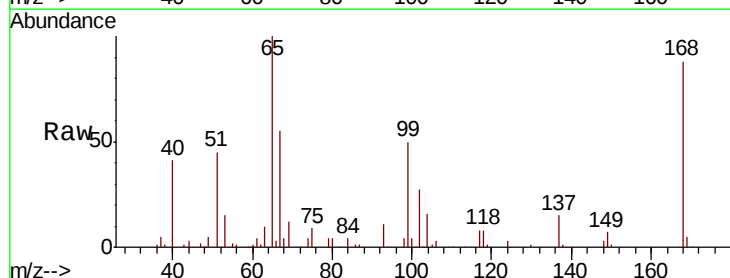
Acq: 20 Mar 2019 15:42

Tgt Ion: 65 Resp: 105380

Ion Ratio Lower Upper

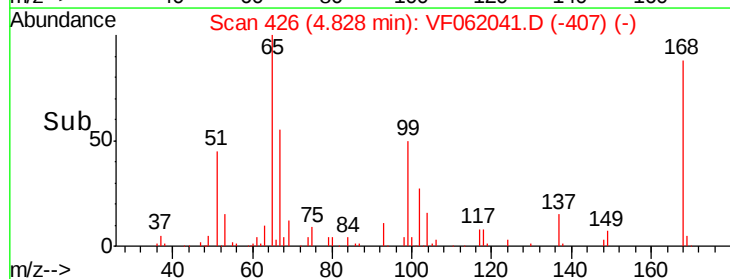
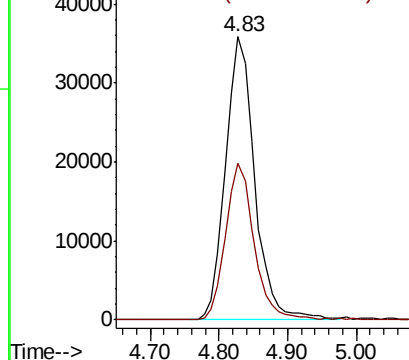
65 100

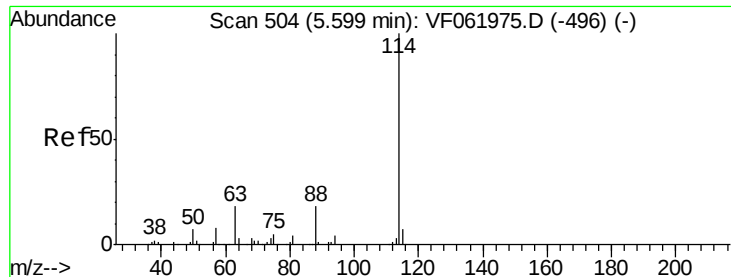
67 55.3 0.0 109.4



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: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF062041.D

Acq: 20 Mar 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

OK-02-031819

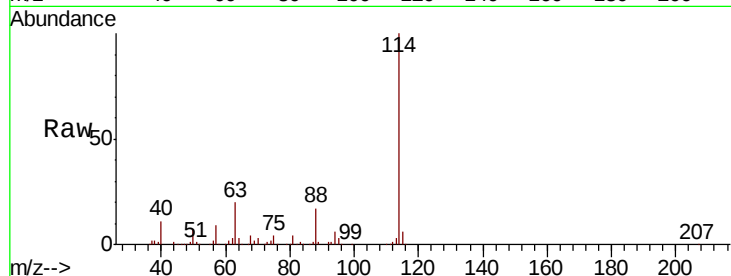
Tgt Ion:114 Resp: 378754

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

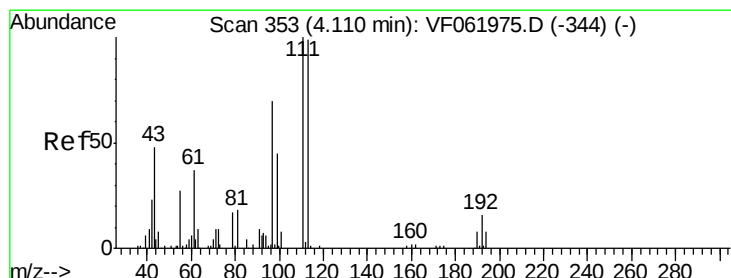
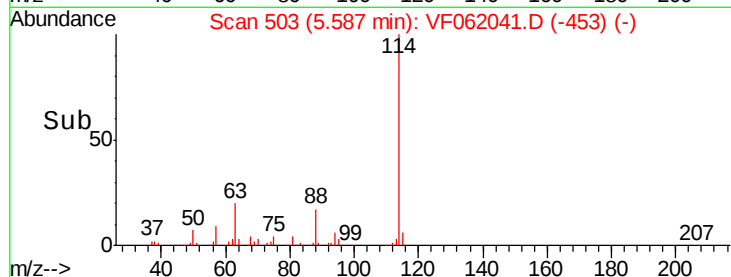
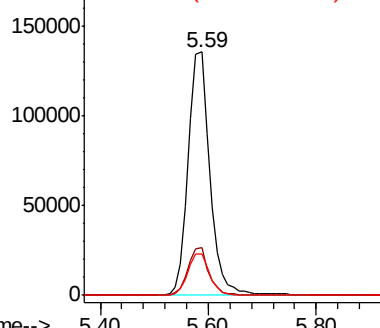
88 17.0 0.0 36.4



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: 59.857 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF062041.D

Acq: 20 Mar 2019 15:42

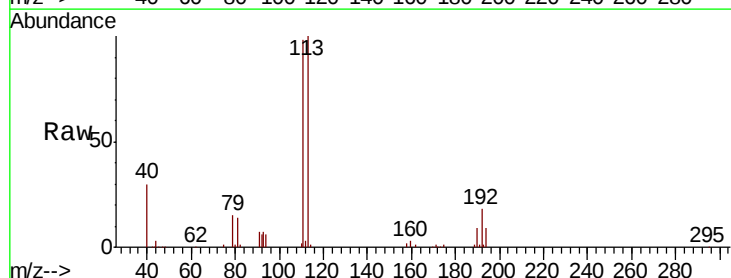
Tgt Ion:113 Resp: 152240

Ion Ratio Lower Upper

113 100

111 98.3 80.8 121.2

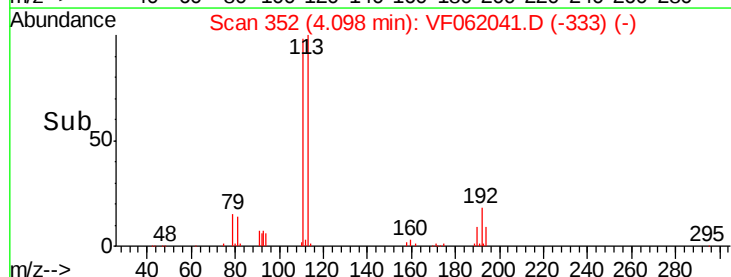
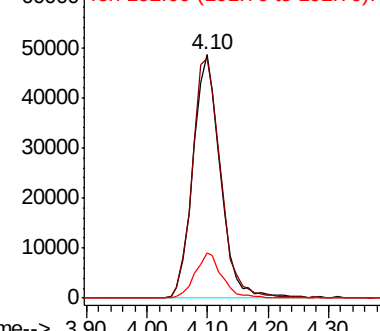
192 18.5 13.0 19.6

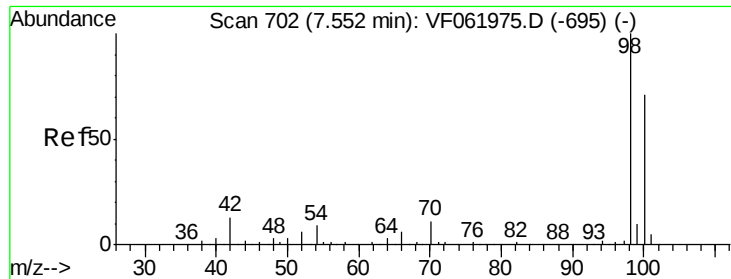


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

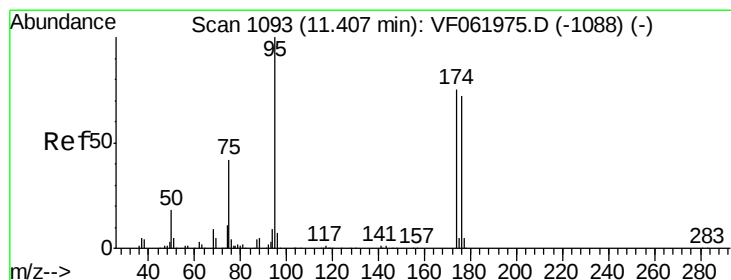
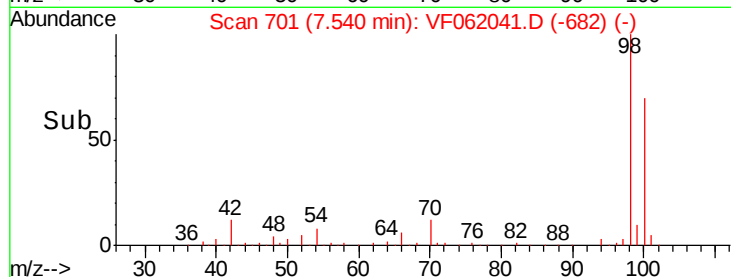
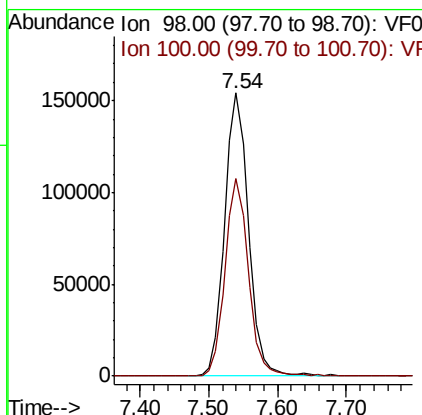
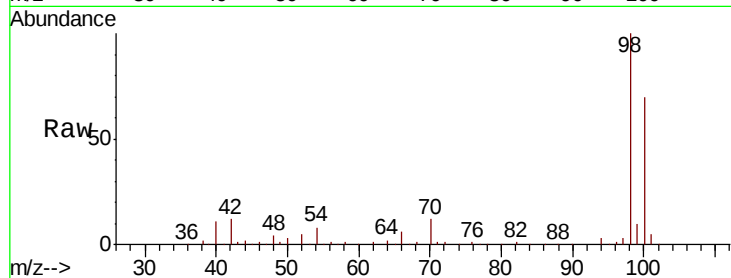




#50
Toluene-d8
Concen: 49.858 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF062041.D
Acq: 20 Mar 2019 15:42

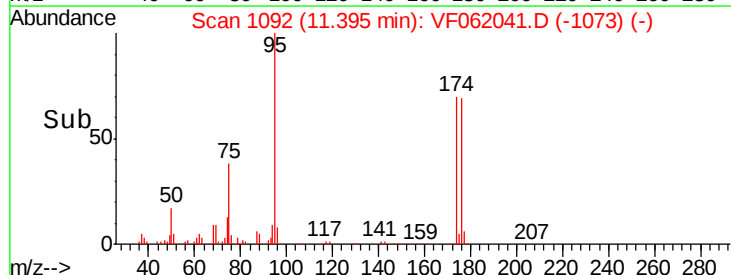
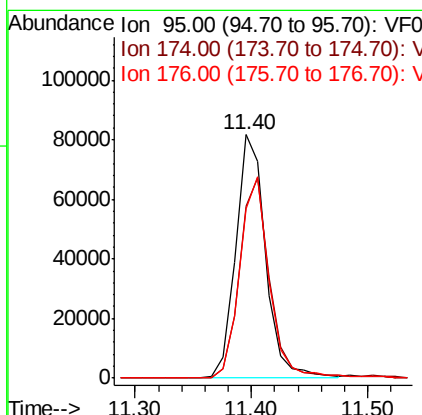
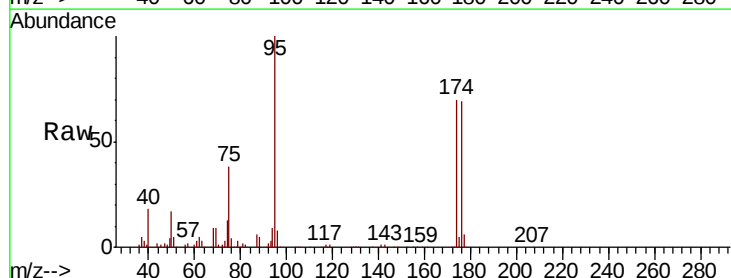
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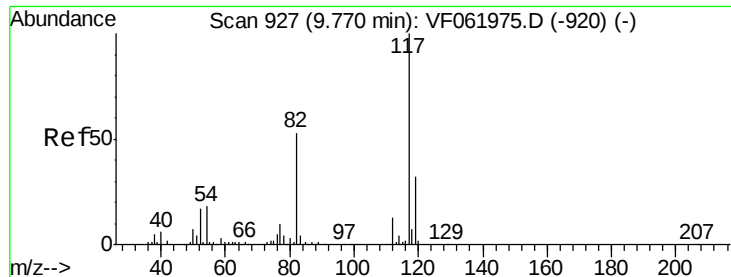
Tgt Ion: 98 Resp: 370700
Ion Ratio Lower Upper
98 100
100 69.6 56.8 85.2



#62
4-Bromofluorobenzene
Concen: 49.028 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF062041.D
Acq: 20 Mar 2019 15:42

Tgt Ion: 95 Resp: 144815
Ion Ratio Lower Upper
95 100
174 70.4 0.0 149.4
176 69.5 0.0 143.4

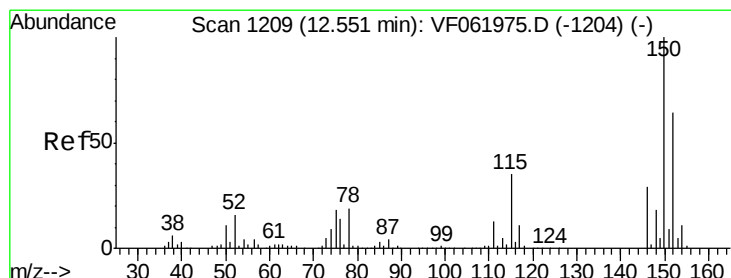
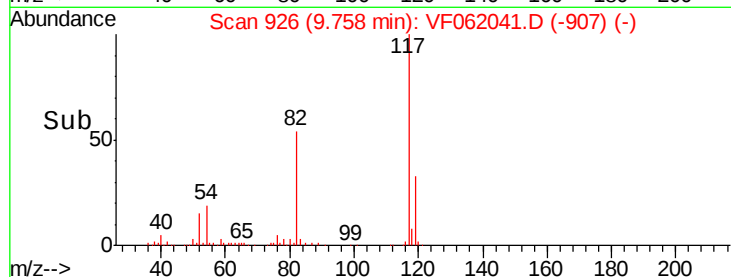
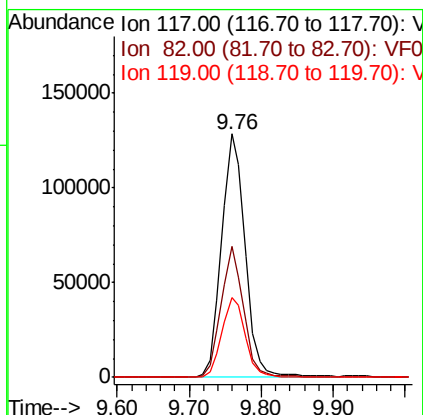
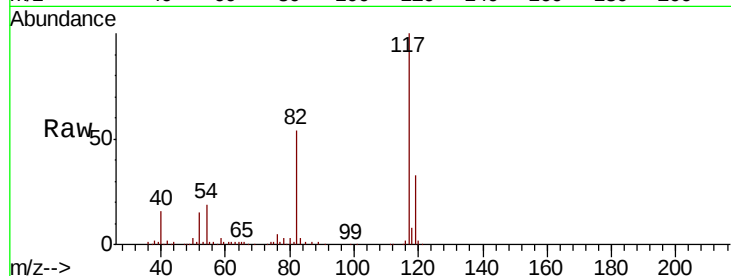




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF062041.D
Acq: 20 Mar 2019 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-02-031819

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.5	63.7
119	32.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF062041.D
Acq: 20 Mar 2019 15:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.3	81.9
150	155.5	0.0	316.2

