

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061866.D
 Acq On : 8 Mar 2019 16:52
 Operator : VA/AP
 Sample : K1807-03
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 09 00:45:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

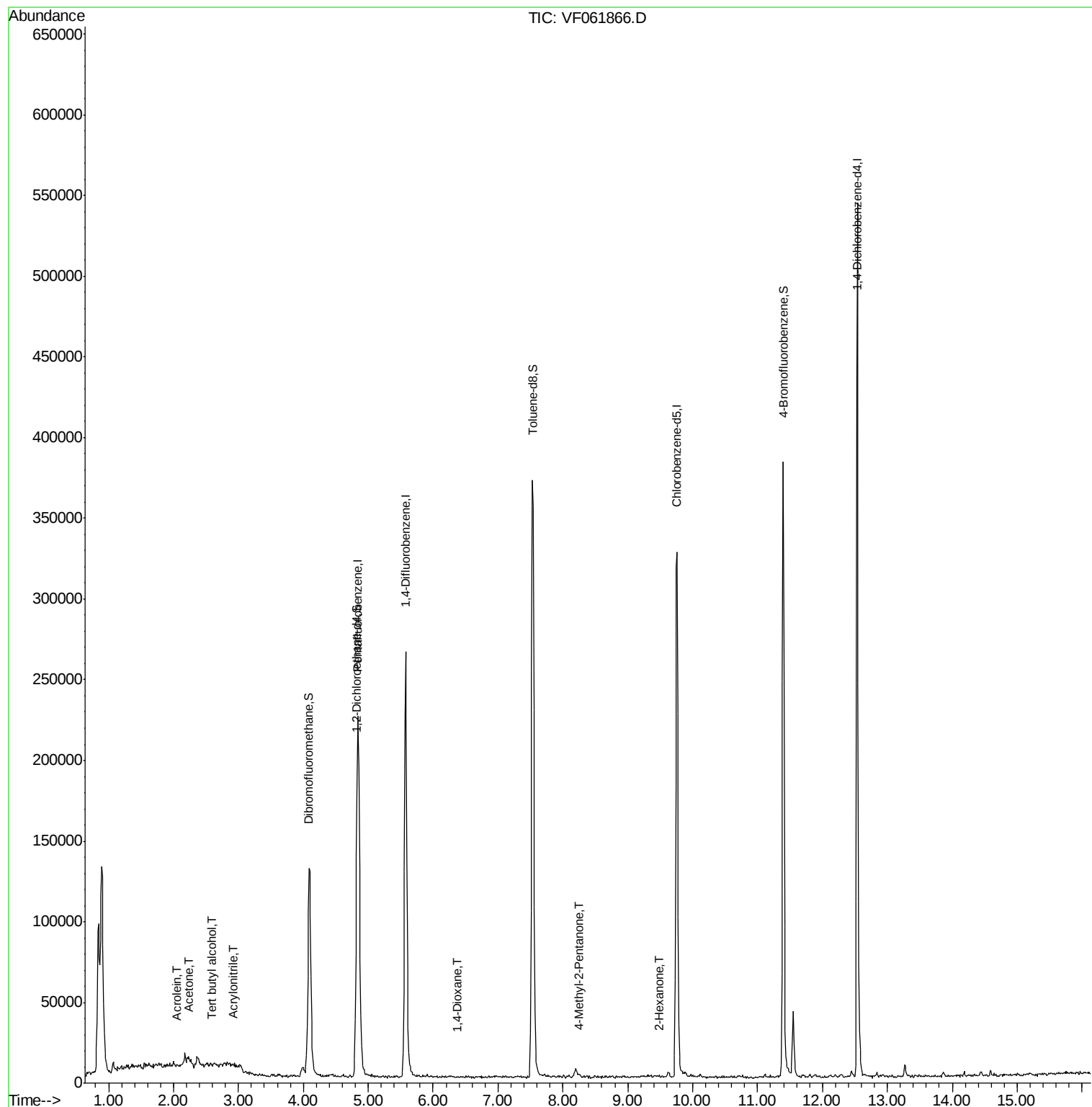
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	205646	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	318352	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	275969	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	155457	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	88988	59.42	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	118.84%	
35) Dibromofluoromethane	4.09	113	132203	59.51	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	119.02%	
50) Toluene-d8	7.53	98	344195	52.12	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.40	95	146957	56.81	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.59	59	87	1.023	ug/l #	64
13) Acrolein	2.05	56	278	2.581	ug/l #	5
15) Acrylonitrile	2.92	53	504	1.862	ug/l #	42
16) Acetone	2.23	43	3483	11.103	ug/l #	77
18) Methyl Acetate	2.36	43	4552	Below Cal	#	62
20) Methylene Chloride	2.17	84	4085	Below Cal	#	91
49) 1,4-Dioxane	6.38	88	85	9.443	ug/l #	26
51) 4-Methyl-2-Pentanone	8.25	43	1604	1.492	ug/l #	79
59) 2-Hexanone	9.48	43	1512	1.949	ug/l	68

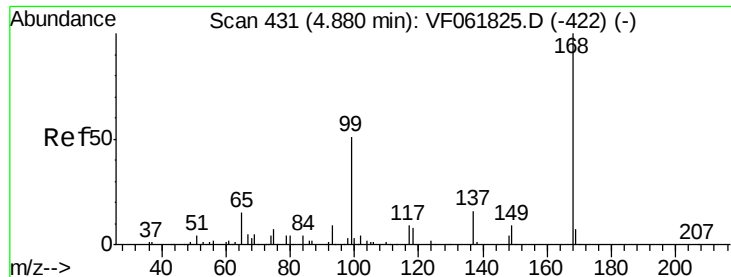
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

Instrument :

MSVOA_F

ClientSampled :

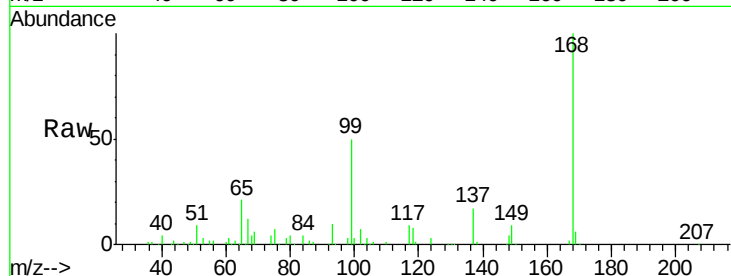
TP-2

Tot Ion:168 Resp: 205646

Ion Ratio Lower Upper

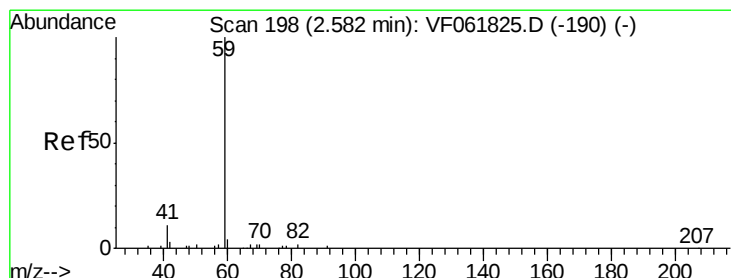
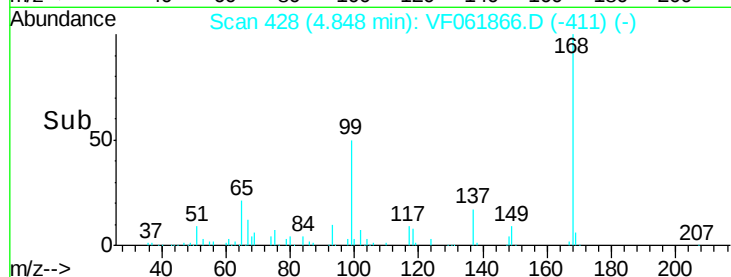
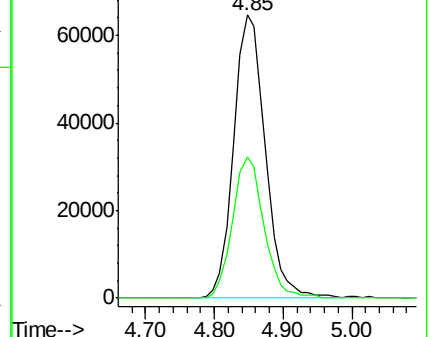
168 100

99 49.9 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.023 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF061866.D

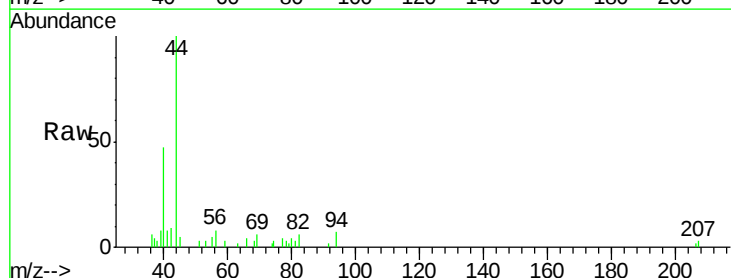
Acq: 8 Mar 2019 16:52

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

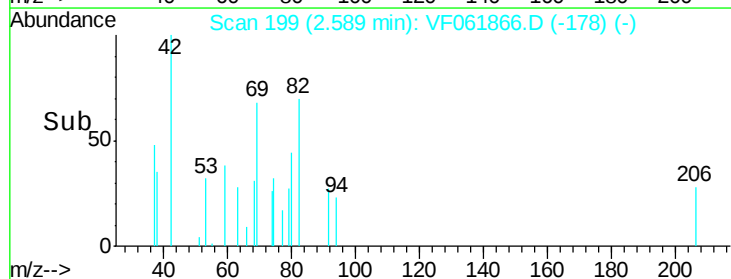
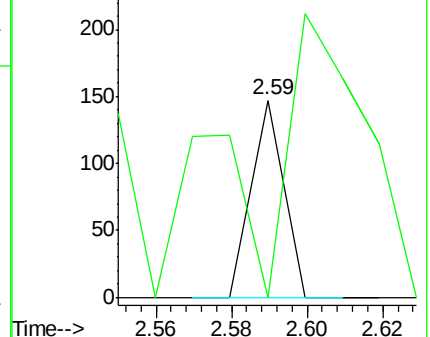
59 100

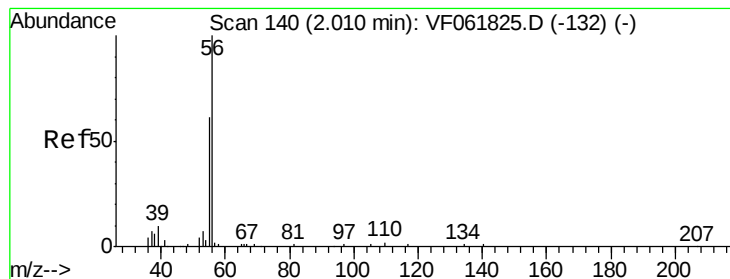
57 0.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 2.581 ug/l

RT: 2.05 min Scan# 144

Delta R.T. 0.04 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

Instrument :

MSVOA_F

ClientSampled :

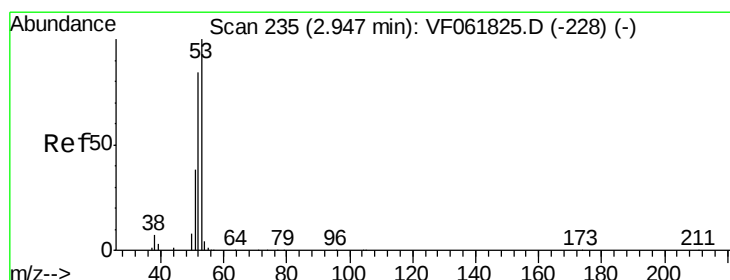
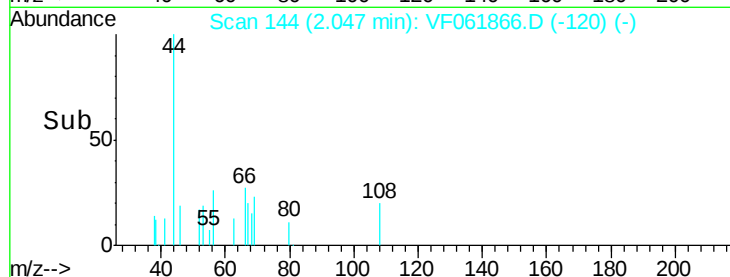
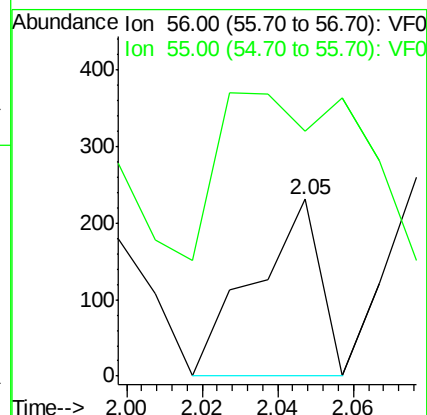
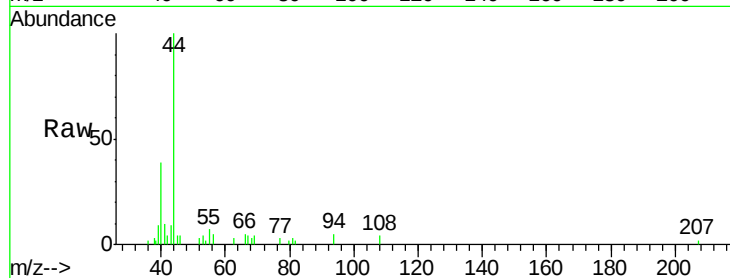
TP-2

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

56 100

55 138.5 51.3 76.9#



#15

Acrylonitrile

Concen: 1.862 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

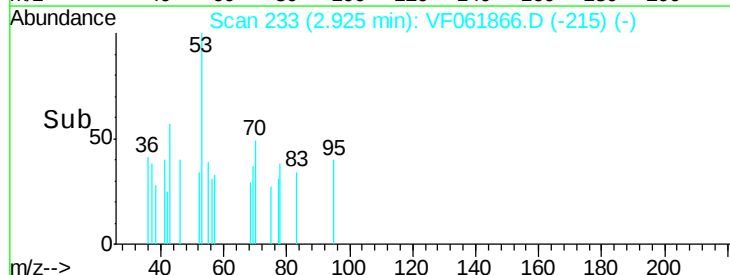
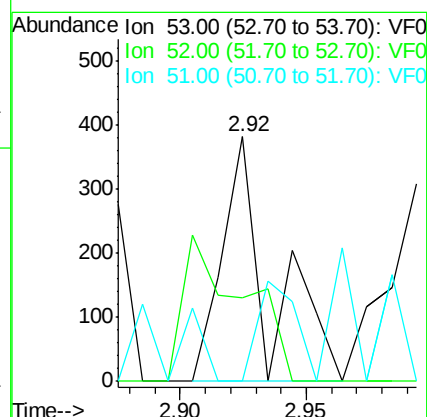
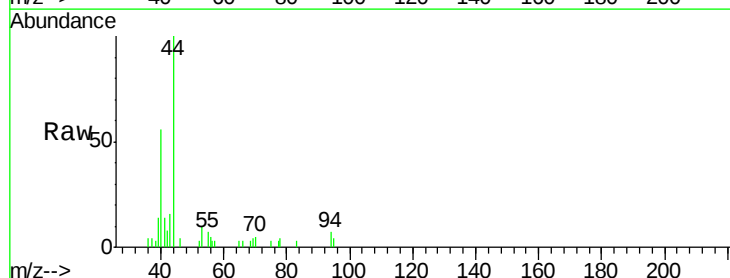
Tgt Ion: 53 Resp: 504

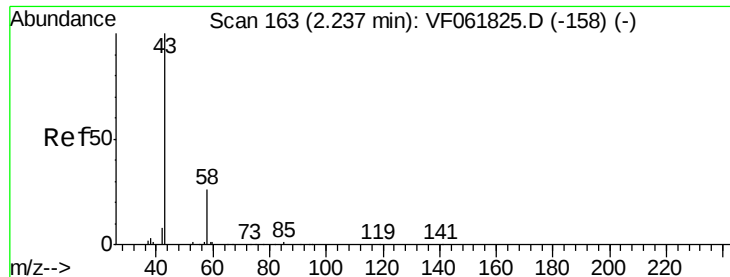
Ion Ratio Lower Upper

53 100

52 33.9 67.4 101.0#

51 0.0 30.7 46.1#





#16

Acetone

Concen: 11.103 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

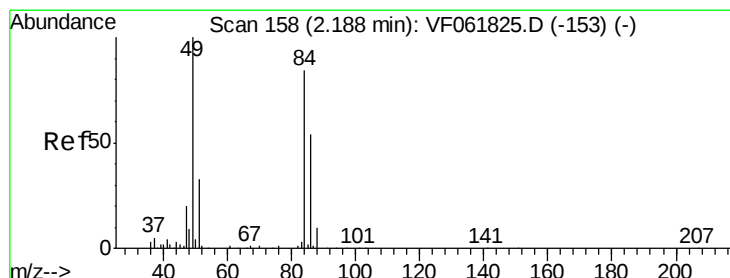
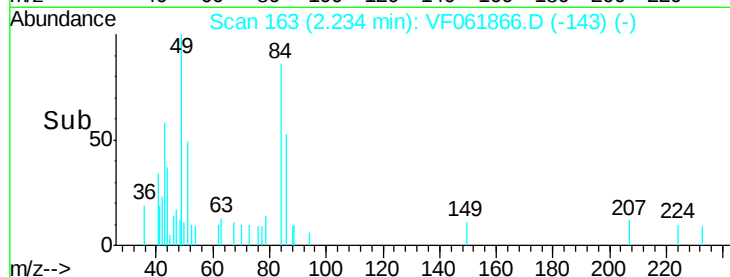
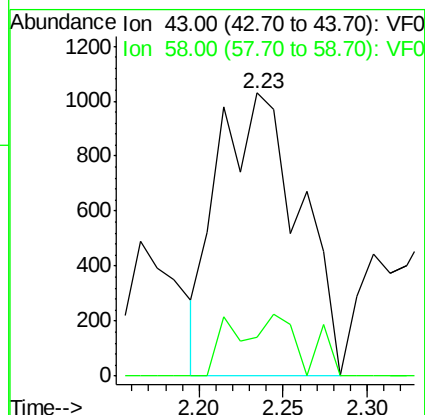
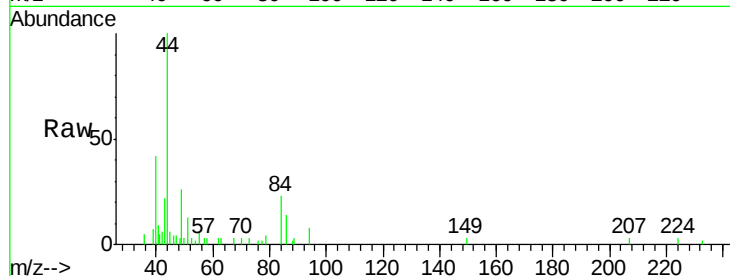
Instrument :
MSVOA_F
ClientSampled :
TP-2

Tot Ion: 43 Resp: 3483

Ion Ratio Lower Upper

43 100

58 13.9 20.3 30.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

Tgt Ion: 84 Resp: 4085

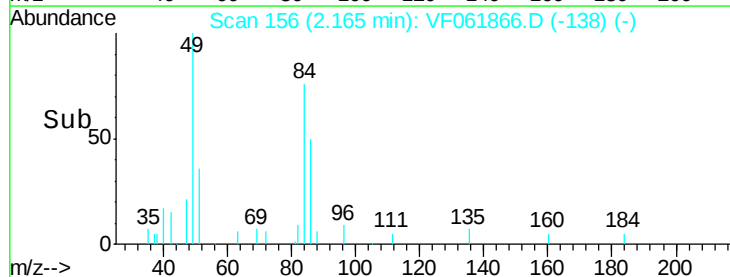
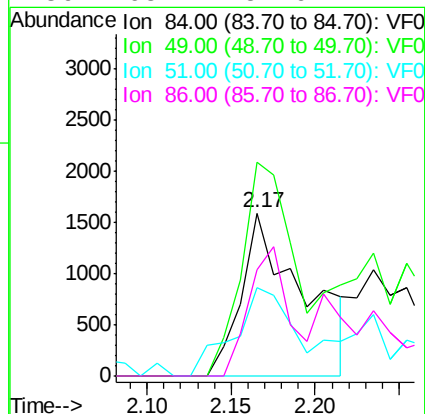
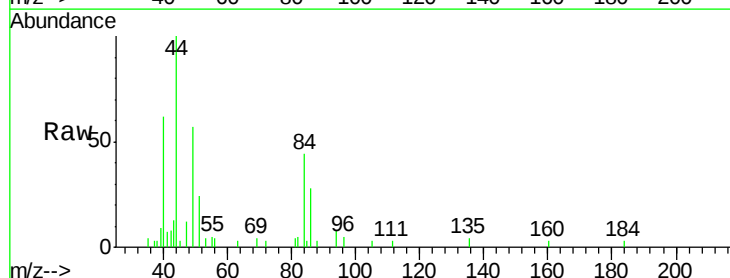
Ion Ratio Lower Upper

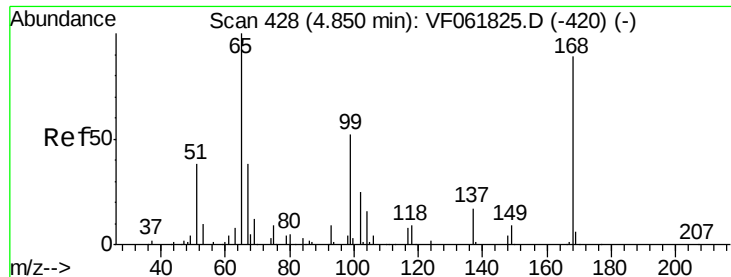
84 100

49 131.4 96.8 145.2

51 54.1 31.8 47.6#

86 65.4 51.6 77.4





#33

1,2-Dichloroethane-d4

Concen: 59.420 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

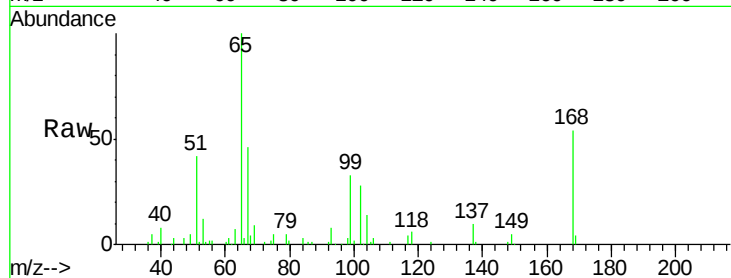
TP-2

Tot Ion: 65 Resp: 88988

Ion Ratio Lower Upper

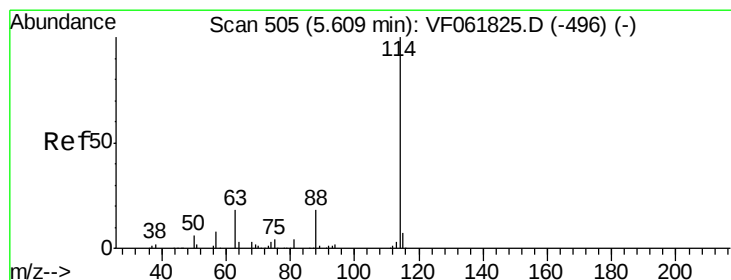
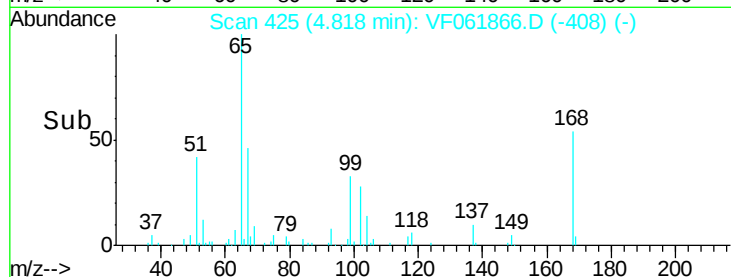
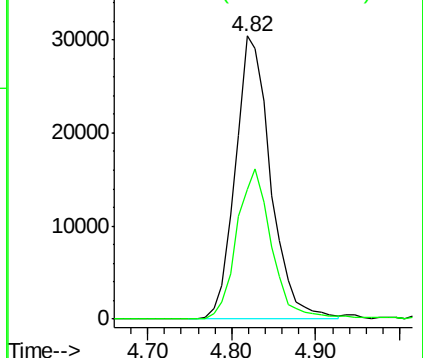
65 100

67 46.0 0.0 108.6



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: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

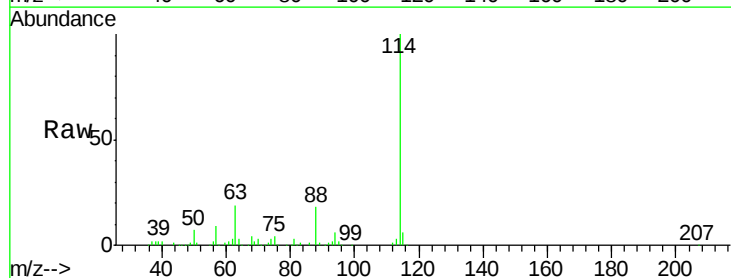
Tgt Ion: 114 Resp: 318352

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.6

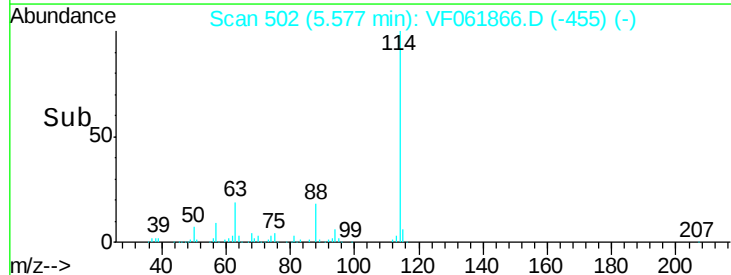
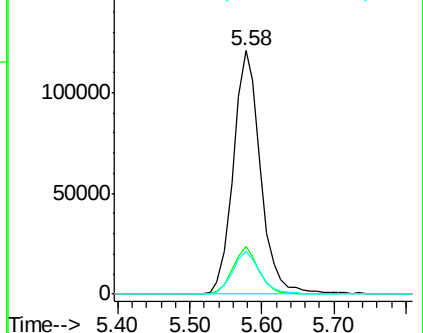
88 17.5 0.0 35.6

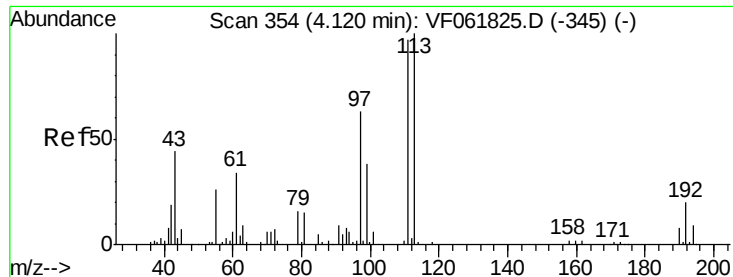


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

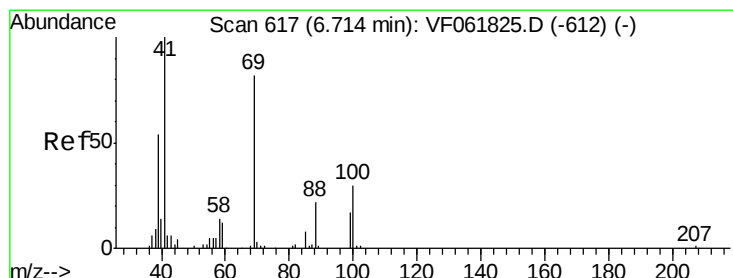
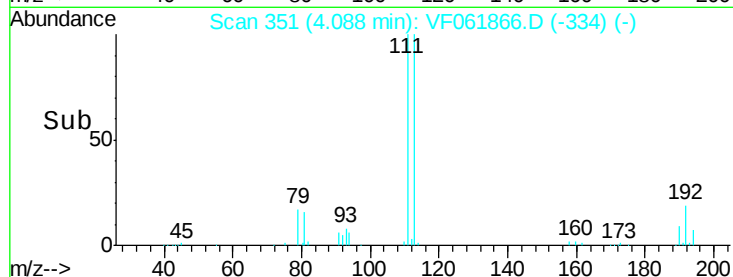
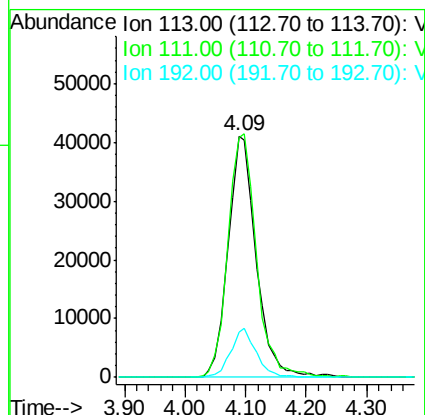
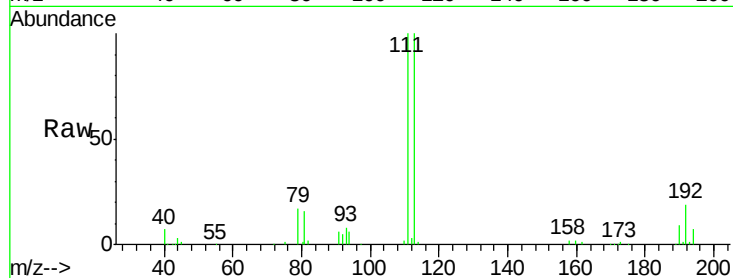




#35
 Dibromofluoromethane
 Concen: 59.506 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061866.D
 Acq: 8 Mar 2019 16:52

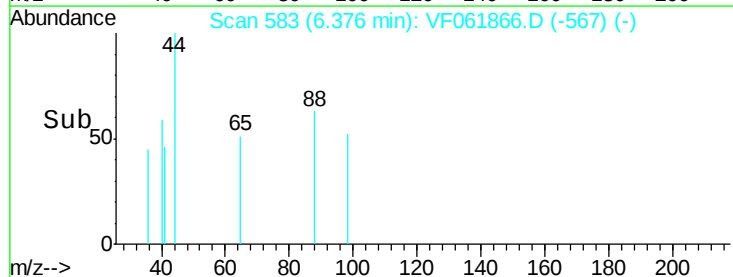
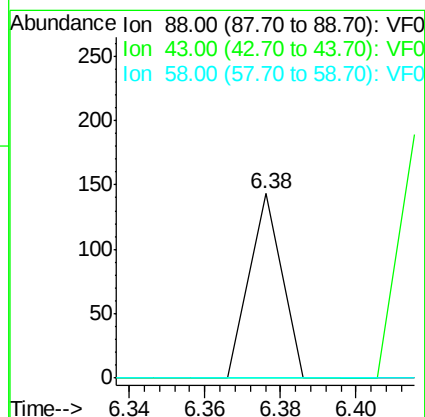
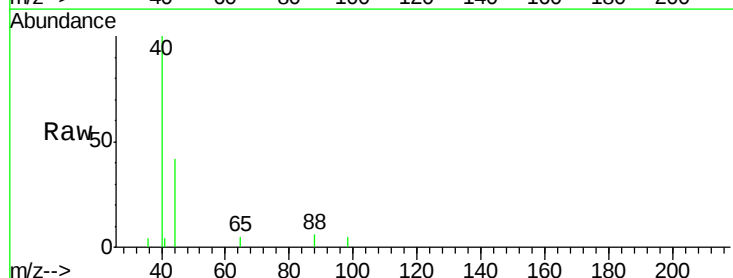
Instrument :
 MSVOA_F
 ClientSampled :
 TP-2

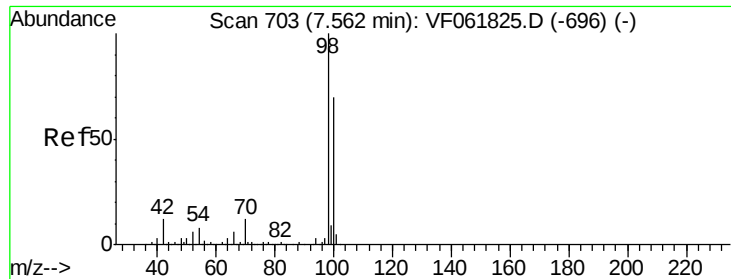
Tot Ion:113 Resp: 132203
 Ion Ratio Lower Upper
 113 100
 111 99.5 77.6 116.4
 192 18.8 15.9 23.9



#49
 1,4-Dioxane
 Concen: 9.443 ug/l
 RT: 6.38 min Scan# 583
 Delta R.T. -0.34 min
 Lab File: VF061866.D
 Acq: 8 Mar 2019 16:52

Tgt Ion: 88 Resp: 85
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.4 42.6#
 58 0.0 50.7 76.1#





#50

Toluene-d8

Concen: 52.123 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061866.D

Acq: 8 Mar 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

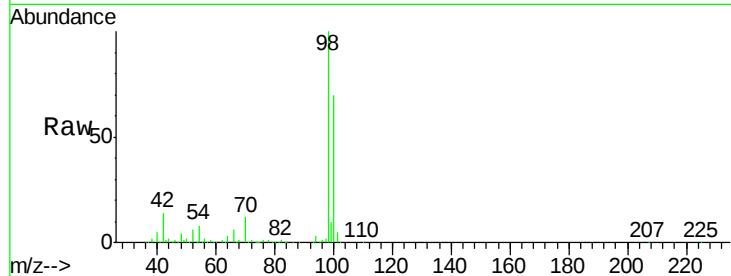
TP-2

Tot Ion: 98 Resp: 344195

Ion Ratio Lower Upper

98 100

100 69.7 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.53

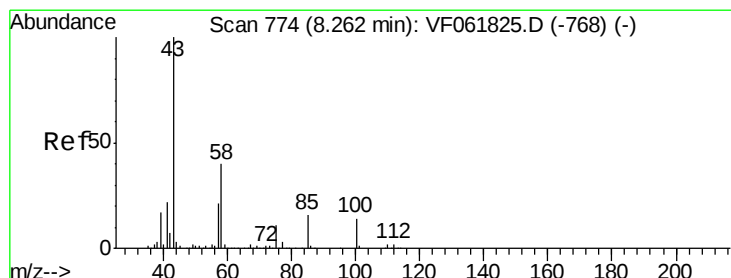
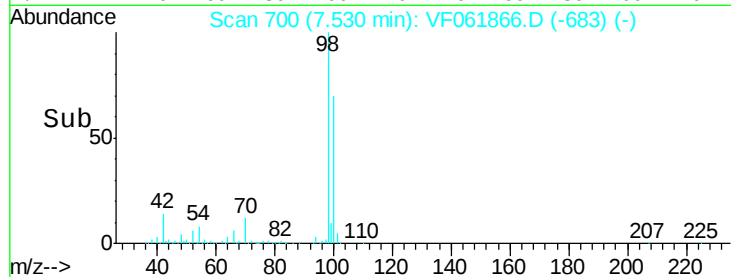
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.492 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061866.D

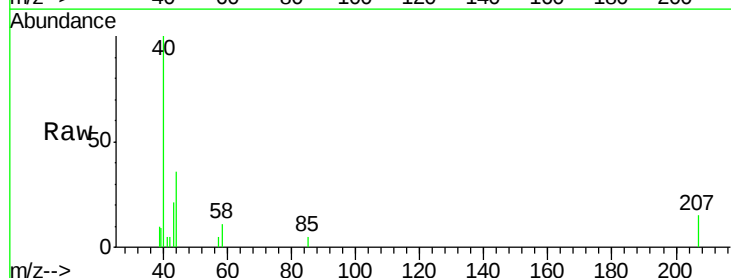
Acq: 8 Mar 2019 16:52

Tgt Ion: 43 Resp: 1604

Ion Ratio Lower Upper

43 100

58 52.9 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

600

500

400

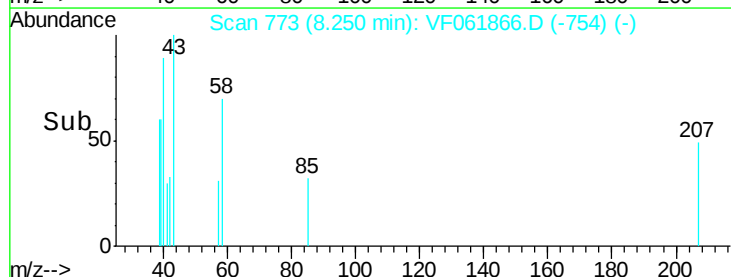
300

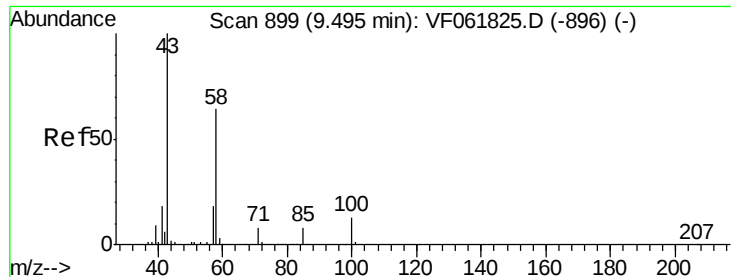
200

100

0

Time-->

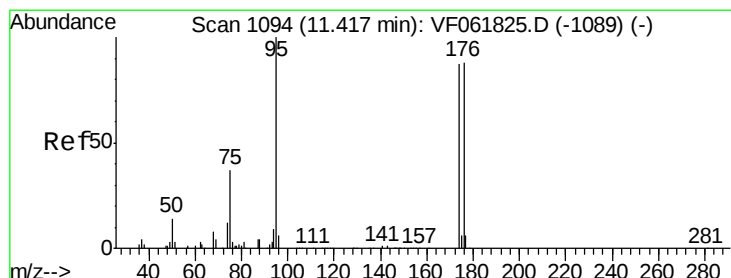
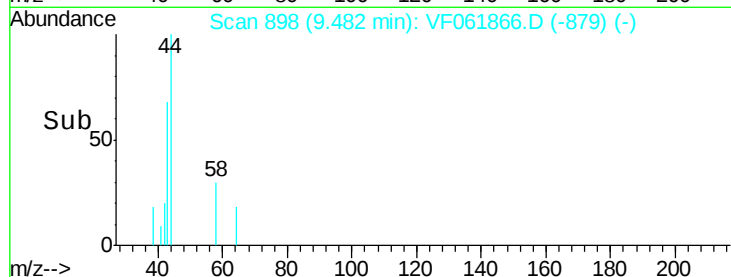
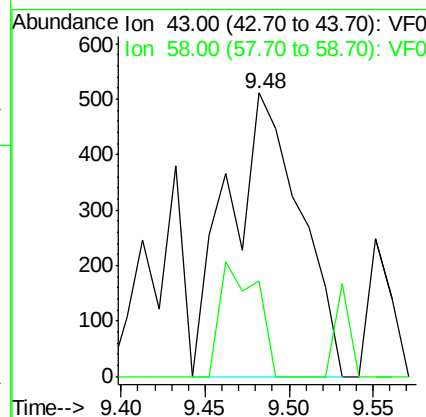
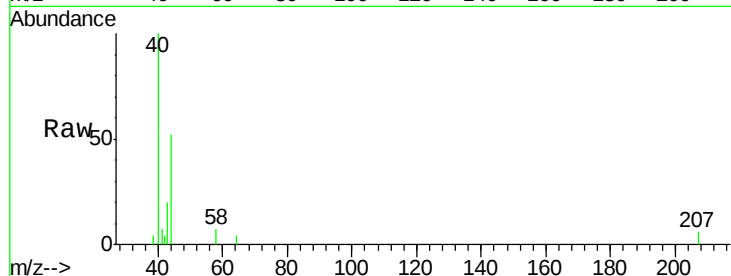




#59
2-Hexanone
Concen: 1.949 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061866.D
Acq: 8 Mar 2019 16:52

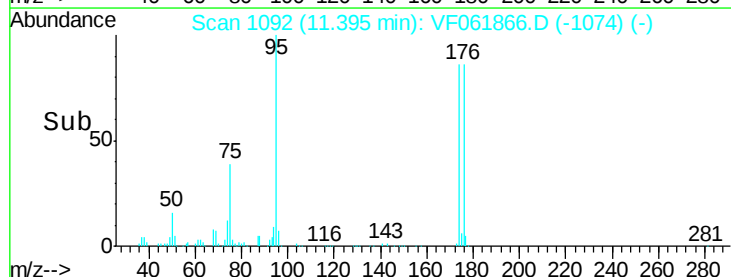
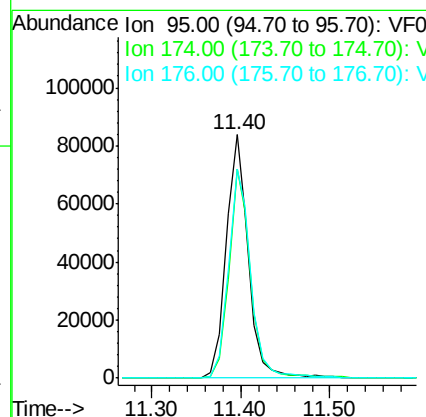
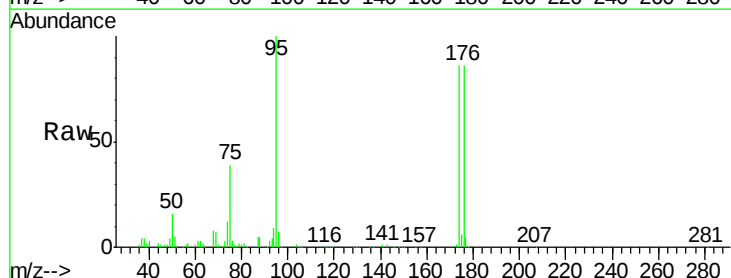
Instrument :
MSVOA_F
ClientSampled :
TP-2

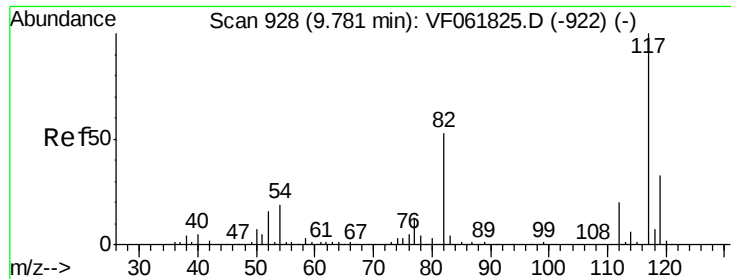
Tot Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
58 33.7 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 56.811 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061866.D
Acq: 8 Mar 2019 16:52

Tgt Ion: 95 Resp: 146957
Ion Ratio Lower Upper
95 100
174 85.8 0.0 174.0
176 85.7 0.0 175.2

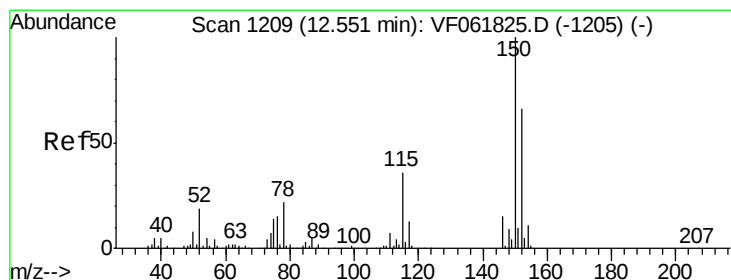
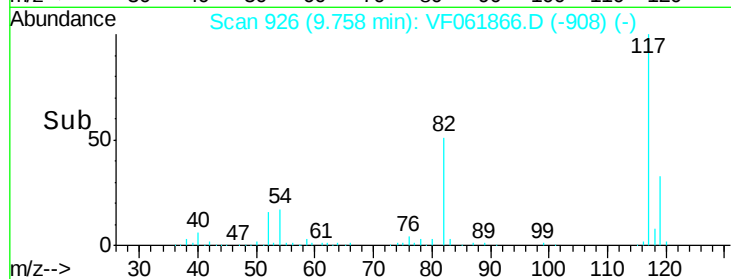
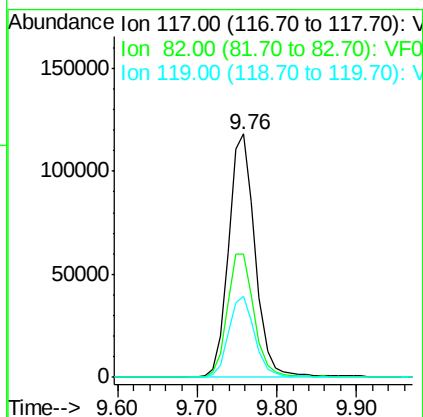
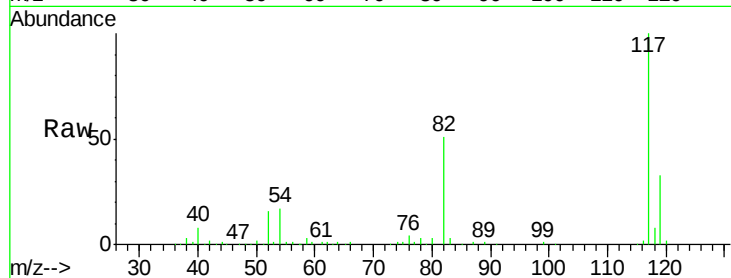




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061866.D
Acq: 8 Mar 2019 16:52

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tot Ion:117 Resp: 275969
Ion Ratio Lower Upper
117 100
82 50.5 42.6 63.8
119 33.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061866.D
Acq: 8 Mar 2019 16:52

Tgt Ion:152 Resp: 155457
Ion Ratio Lower Upper
152 100
115 51.6 27.7 83.1
150 155.2 0.0 304.2

