

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061810.D
 Acq On : 1 Mar 2019 18:49
 Operator : VA/AP
 Sample : K1675-13
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-2-A

Quant Time: Mar 02 02:47:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	294010	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	465185	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	395347	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	202807	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	100781	46.74	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.48%	
35) Dibromofluoromethane	4.10	113	144572	41.85	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	83.70%	
50) Toluene-d8	7.54	98	371890	37.45	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	74.90%	
62) 4-Bromofluorobenzene	11.40	95	154600	38.48	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	76.96%	

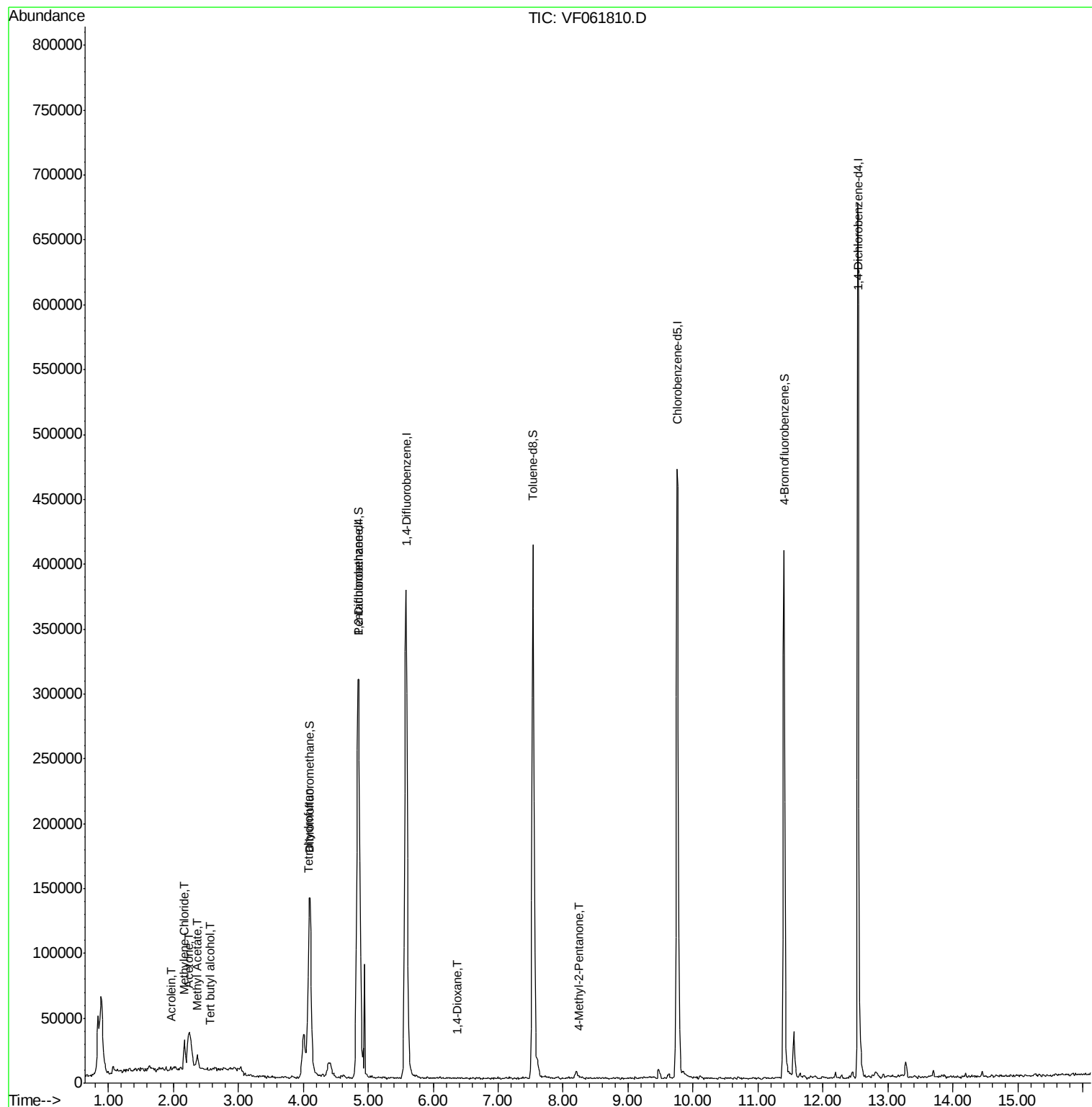
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	279	2.236	ug/l #	63
13) Acrolein	1.97	56	386	2.461	ug/l	95
16) Acetone	2.23	43	13739	29.700	ug/l	98
18) Methyl Acetate	2.38	43	5455	5.235	ug/l #	59
20) Methylene Chloride	2.17	84	10366	1.750	ug/l	95
29) Tetrahydrofuran	4.07	42	1990	4.333	ug/l #	65
49) 1,4-Dioxane	6.35	88	81	5.651	ug/l #	20
51) 4-Methyl-2-Pentanone	8.25	43	2067	1.142	ug/l #	64

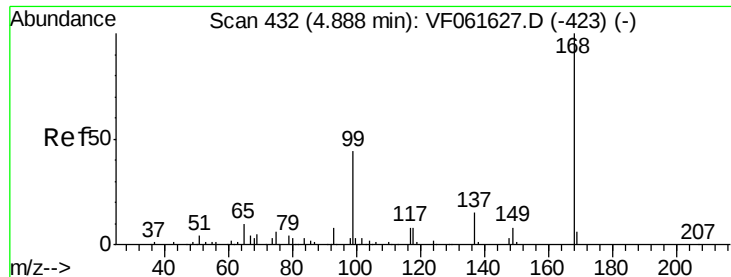
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 02 02:47:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 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: VF061810.D

Acq: 1 Mar 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

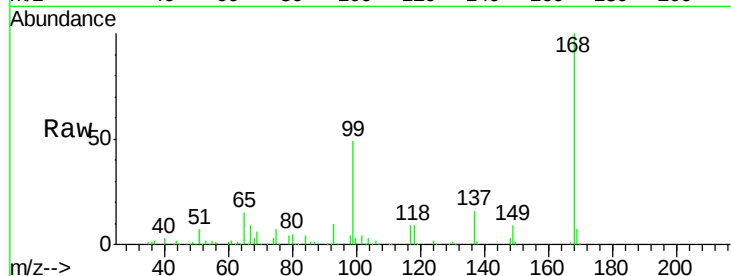
Z-3-2-A

Tot Ion:168 Resp: 294010

Ion Ratio Lower Upper

168 100

99 49.1 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

60000

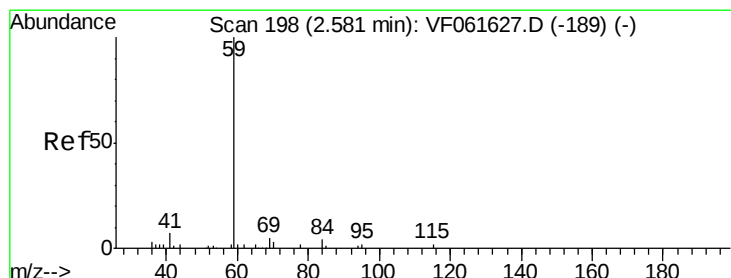
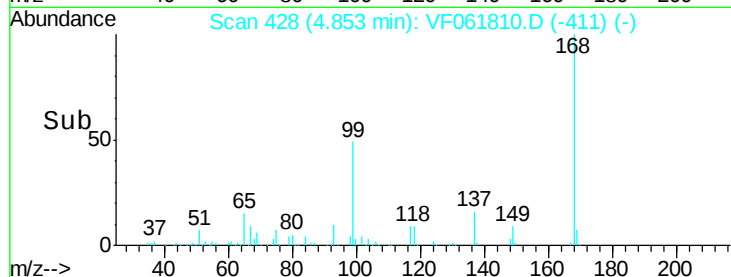
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 2.236 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF061810.D

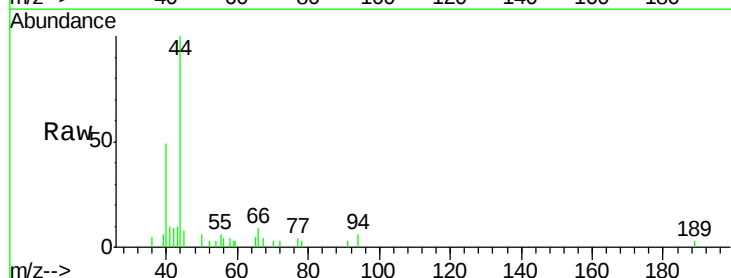
Acq: 1 Mar 2019 18:49

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 0.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

300

250

200

150

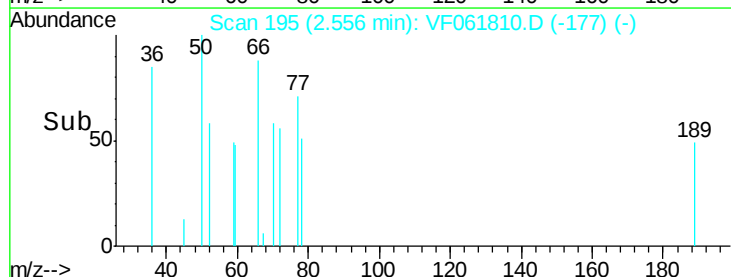
100

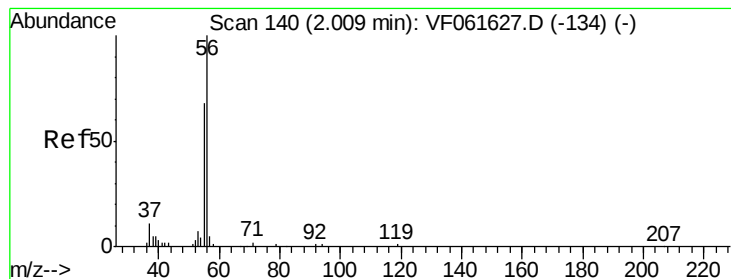
50

0

Time-->

2.50 2.55 2.60





#13

Acrolein

Concen: 2.461 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF061810.D

Acq: 1 Mar 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

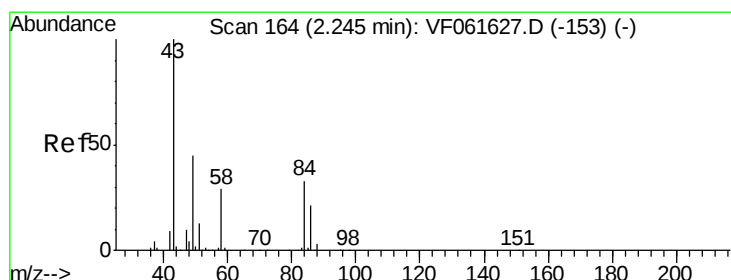
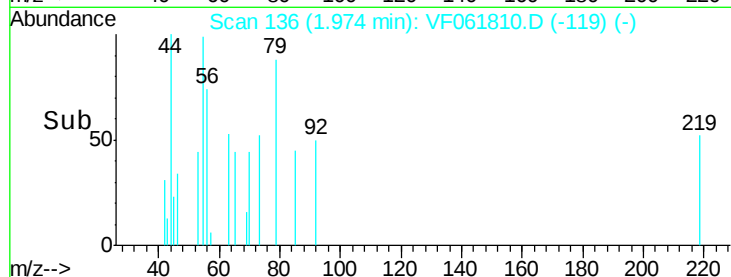
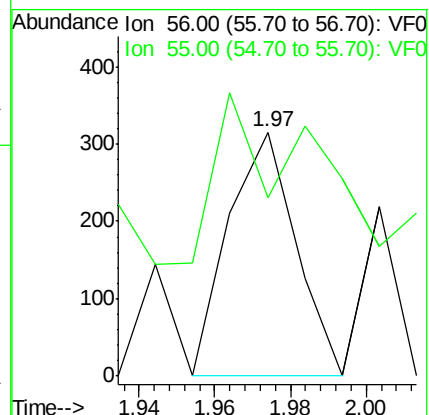
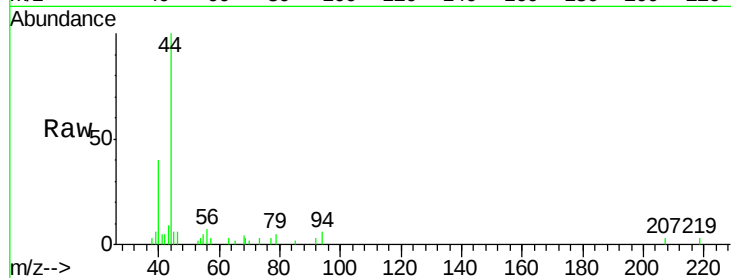
Z-3-2-A

Tot Ion: 56 Resp: 386

Ion Ratio Lower Upper

56 100

55 73.0 55.0 82.6



#16

Acetone

Concen: 29.700 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061810.D

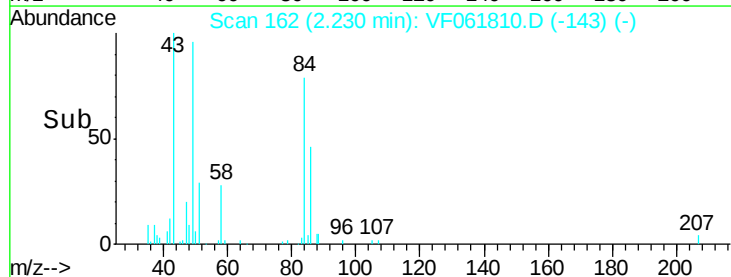
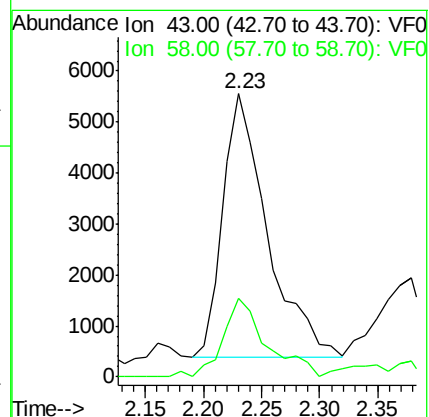
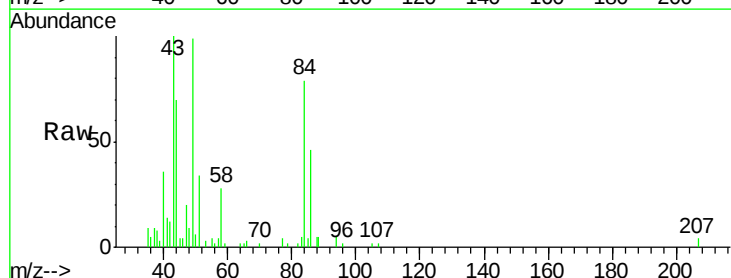
Acq: 1 Mar 2019 18:49

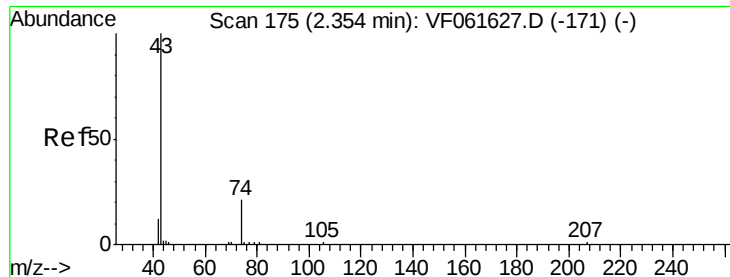
Tgt Ion: 43 Resp: 13739

Ion Ratio Lower Upper

43 100

58 27.8 22.9 34.3

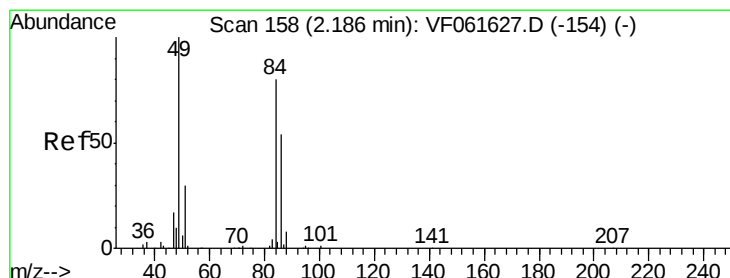
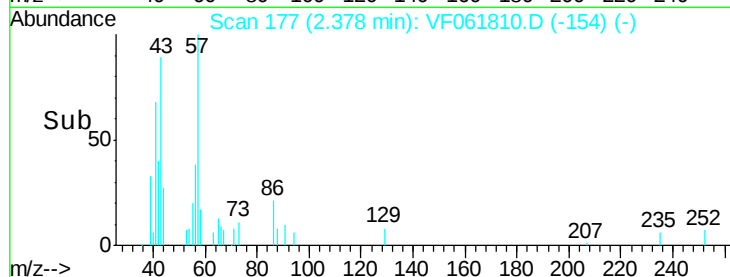
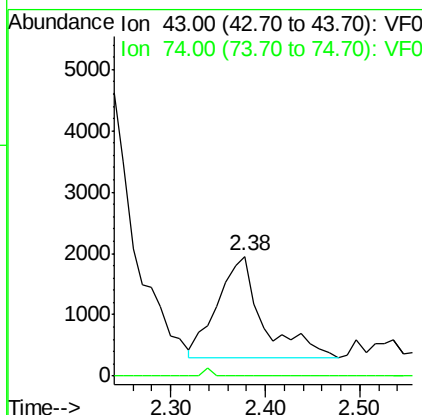
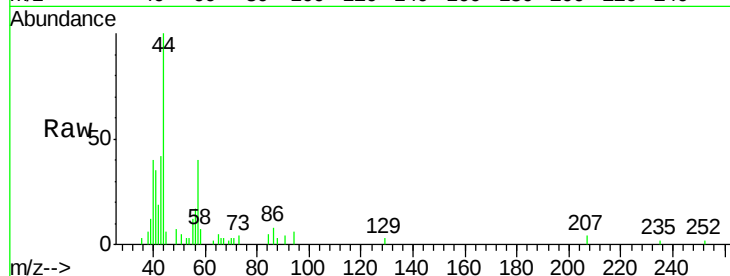




#18
Methyl Acetate
Concen: 5.235 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061810.D
Acq: 1 Mar 2019 18:49

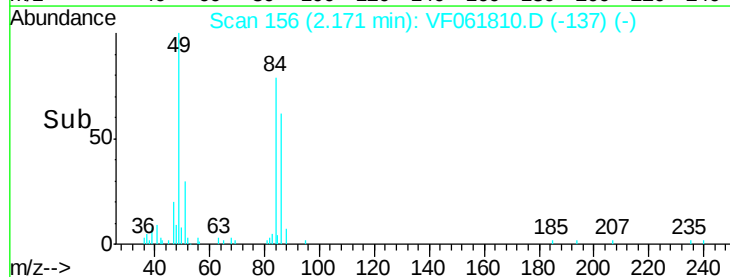
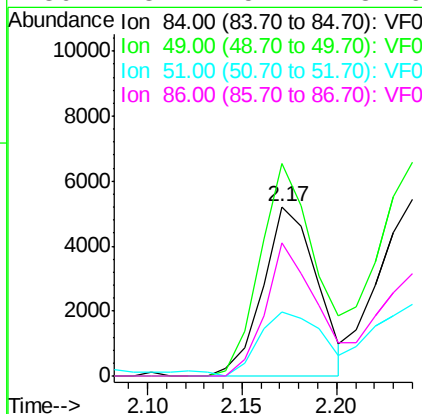
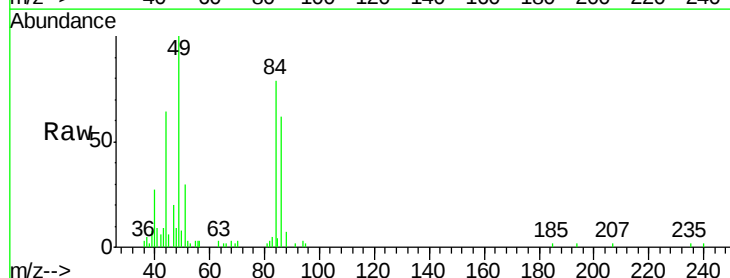
Instrument :
MSVOA_F
ClientSampleId :
Z-3-2-A

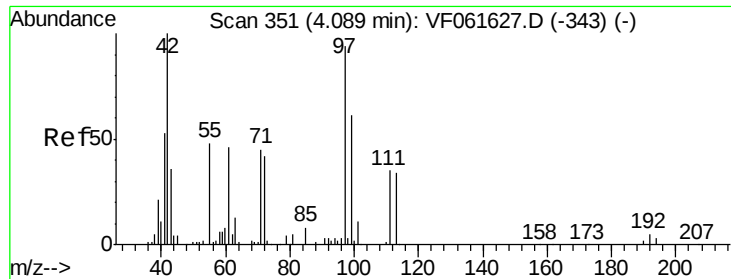
Tot Ion: 43 Resp: 5455
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 1.750 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061810.D
Acq: 1 Mar 2019 18:49

Tgt Ion: 84 Resp: 10366
Ion Ratio Lower Upper
84 100
49 125.8 101.8 152.8
51 38.0 31.1 46.7
86 78.4 54.4 81.6

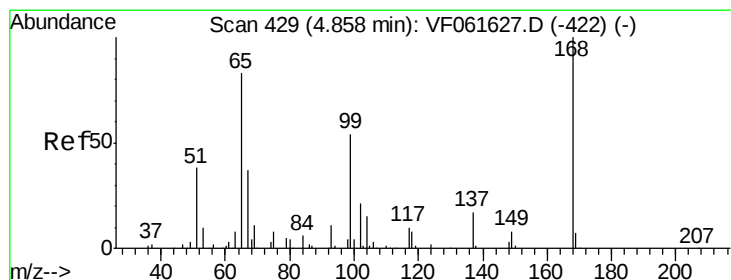
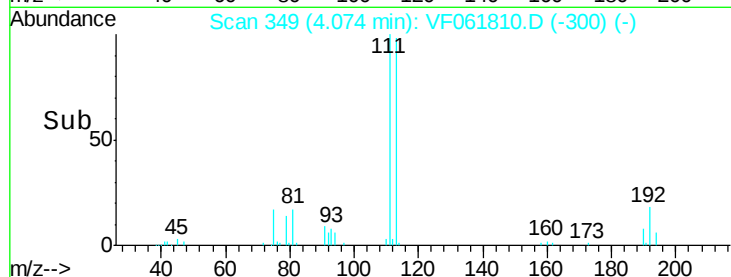
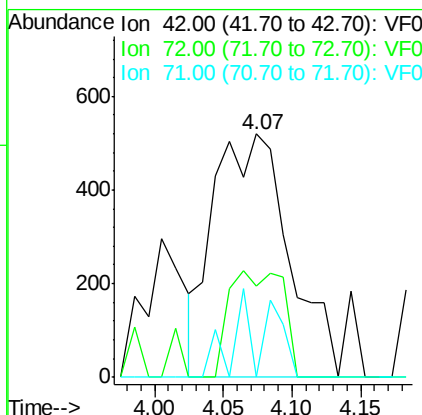
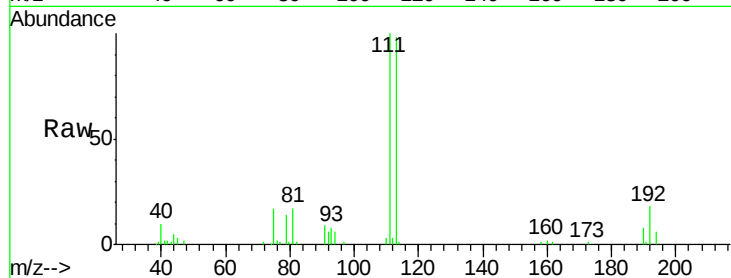




#29
Tetrahydrofuran
Concen: 4.333 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061810.D
Acq: 1 Mar 2019 18:49

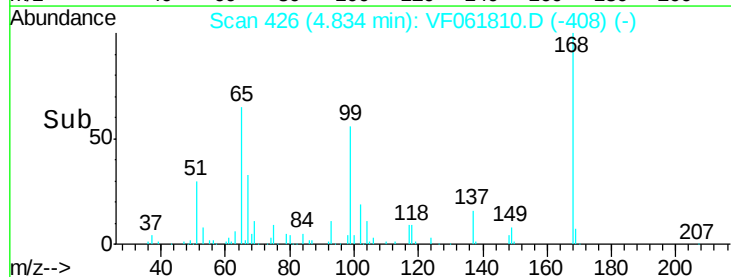
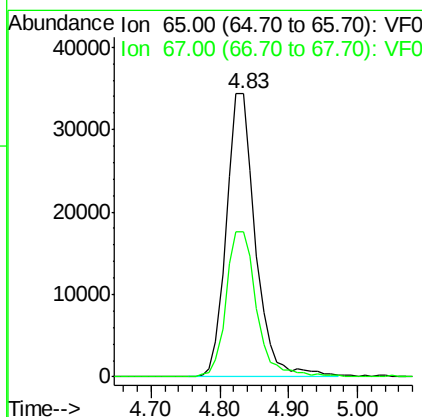
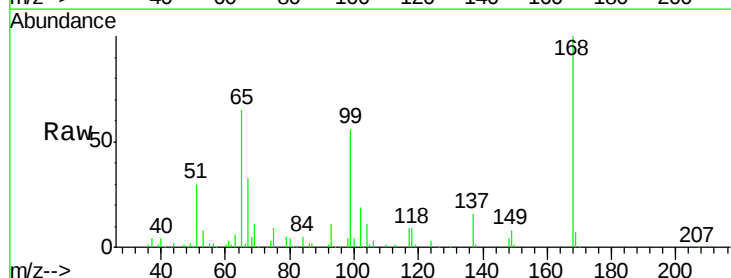
Instrument :
MSVOA_F
ClientSampled :
Z-3-2-A

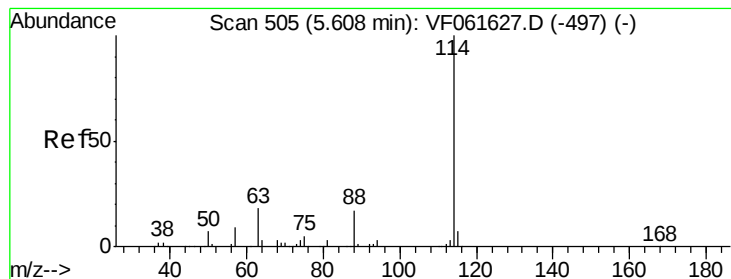
Tot Ion: 42 Resp: 1990
Ion Ratio Lower Upper
42 100
72 31.1 35.2 52.8#
71 8.6 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 46.744 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061810.D
Acq: 1 Mar 2019 18:49

Tgt Ion: 65 Resp: 100781
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061810.D

Acq: 1 Mar 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

Z-3-2-A

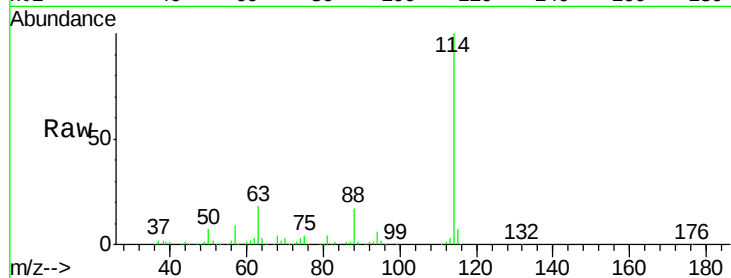
Tot Ion:114 Resp: 465185

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

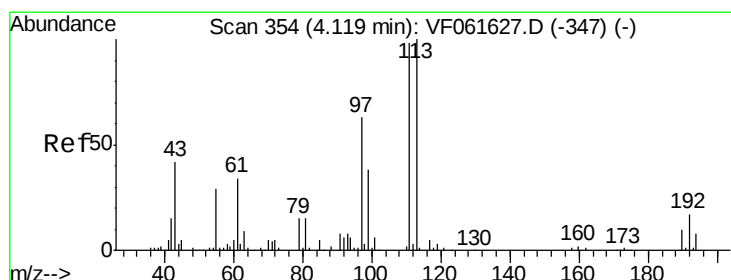
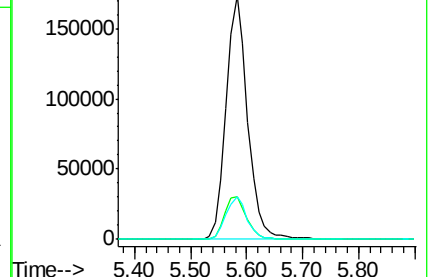
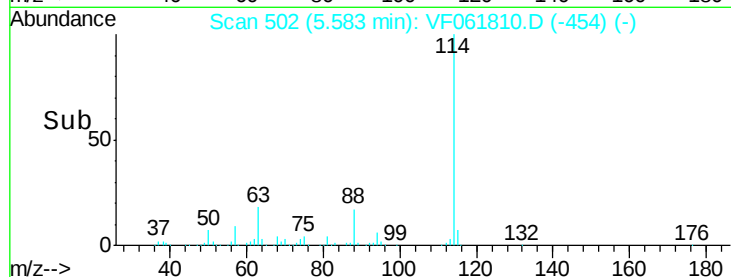
88 17.3 0.0 34.4



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: 41.850 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061810.D

Acq: 1 Mar 2019 18:49

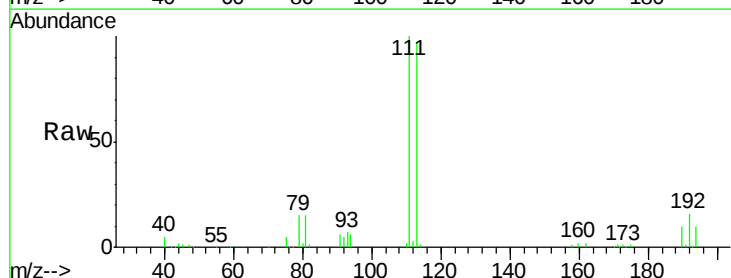
Tgt Ion:113 Resp: 144572

Ion Ratio Lower Upper

113 100

111 103.1 78.8 118.2

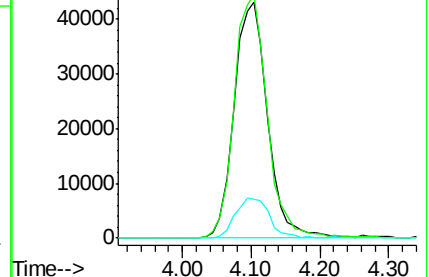
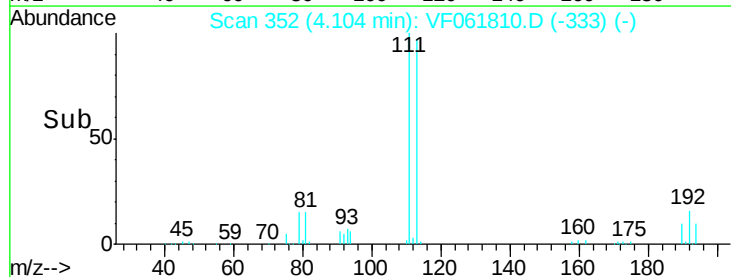
192 16.6 13.4 20.0

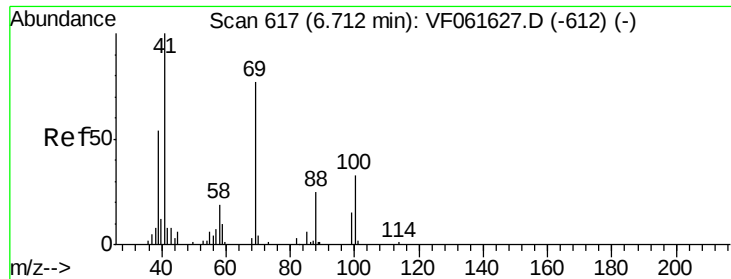


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

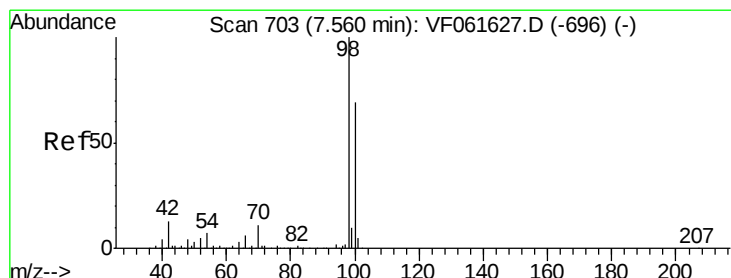
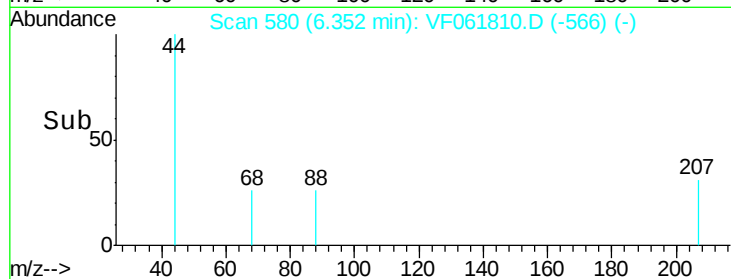
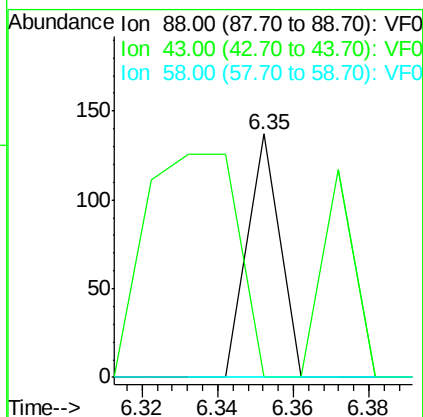
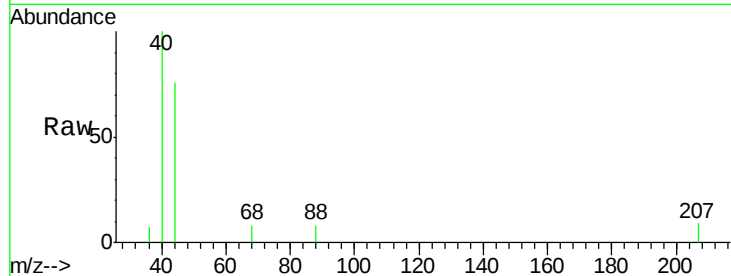




#49
 1,4-Dioxane
 Concen: 5.651 ug/l
 RT: 6.35 min Scan# 580
 Delta R.T. -0.36 min
 Lab File: VF061810.D
 Acq: 1 Mar 2019 18:49

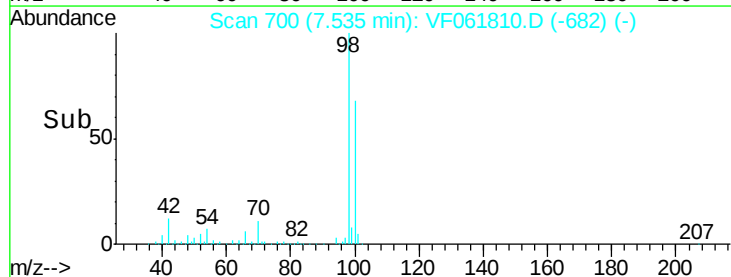
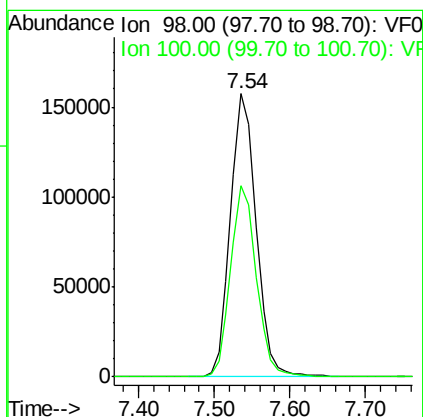
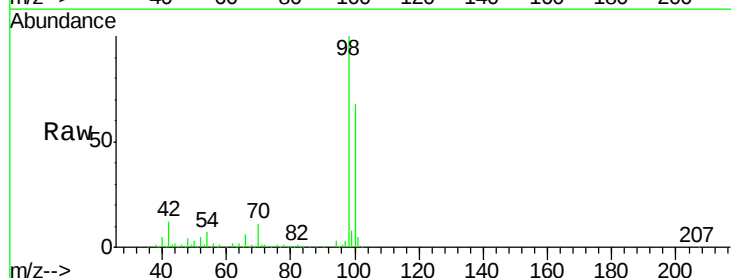
Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-2-A

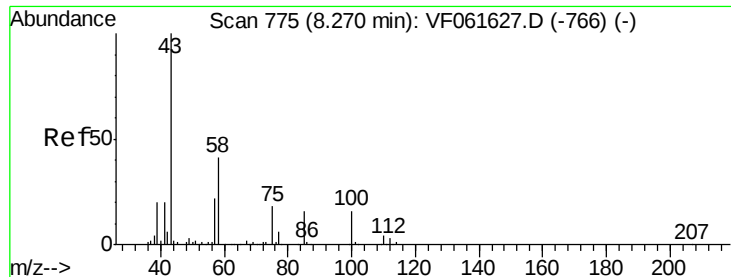
Tot Ion: 88 Resp: 81
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.3 48.5#
 58 0.0 59.4 89.2#



#50
 Toluene-d8
 Concen: 37.449 ug/l
 RT: 7.54 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF061810.D
 Acq: 1 Mar 2019 18:49

Tgt Ion: 98 Resp: 371890
 Ion Ratio Lower Upper
 98 100
 100 67.6 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 1.142 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061810.D

Acq: 1 Mar 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

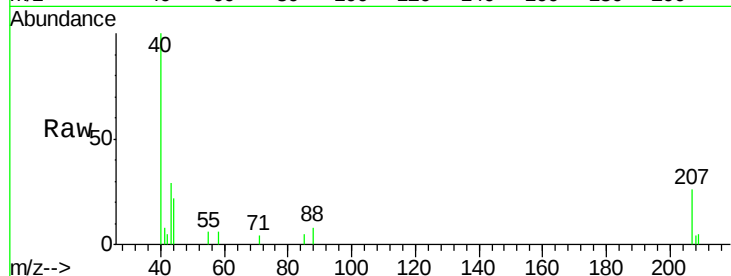
Z-3-2-A

Tot Ion: 43 Resp: 2067

Ion Ratio Lower Upper

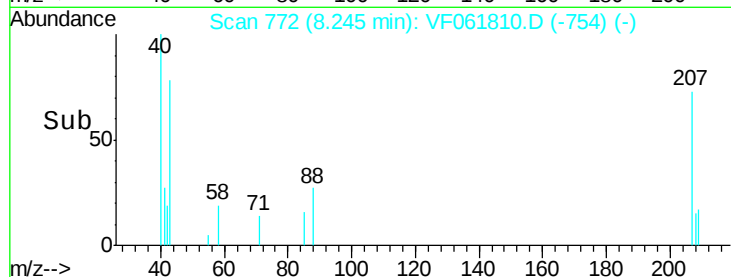
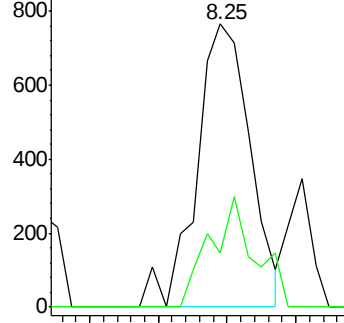
43 100

58 19.1 33.1 49.7#

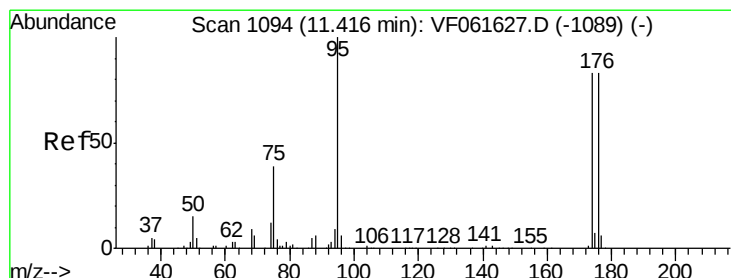


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#62

4-Bromofluorobenzene

Concen: 38.476 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061810.D

Acq: 1 Mar 2019 18:49

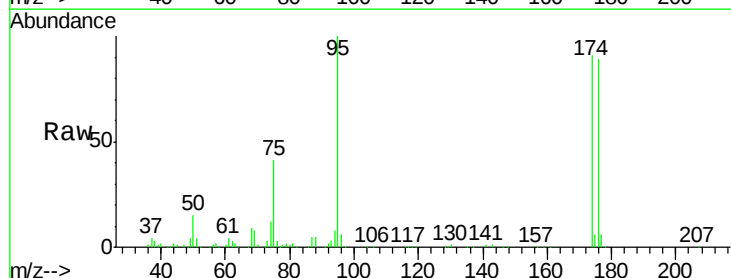
Tgt Ion: 95 Resp: 154600

Ion Ratio Lower Upper

95 100

174 91.5 0.0 165.8

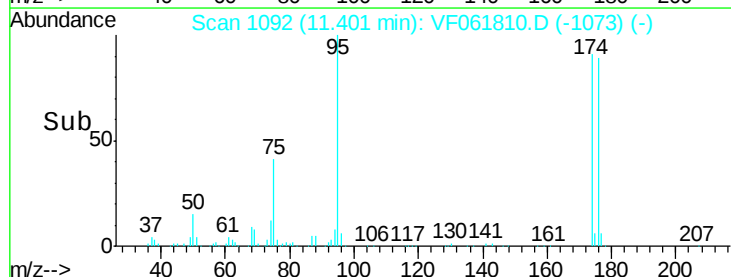
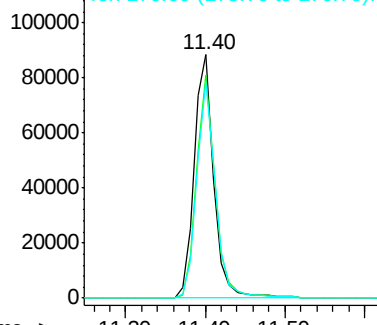
176 89.2 0.0 167.0



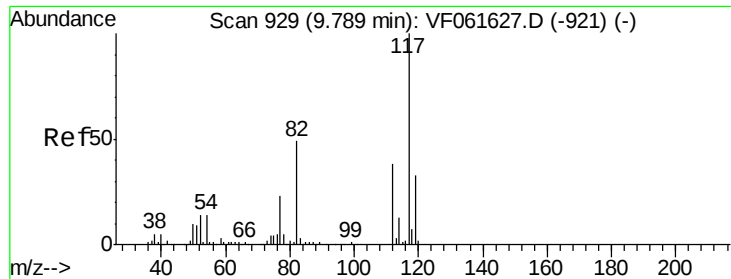
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



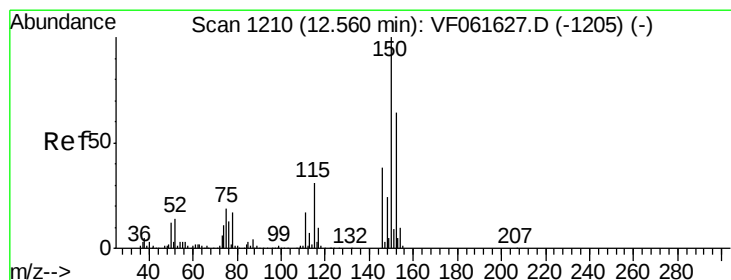
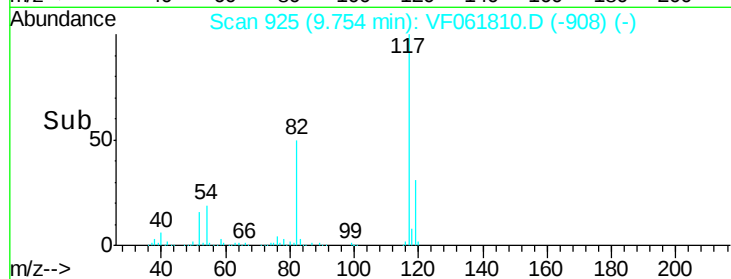
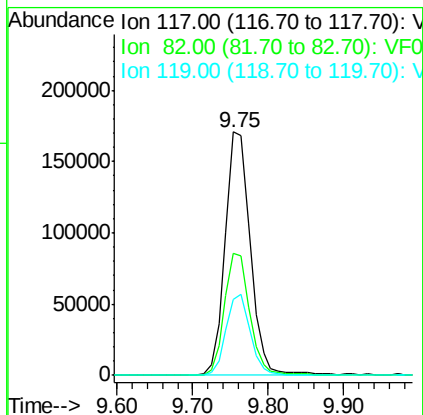
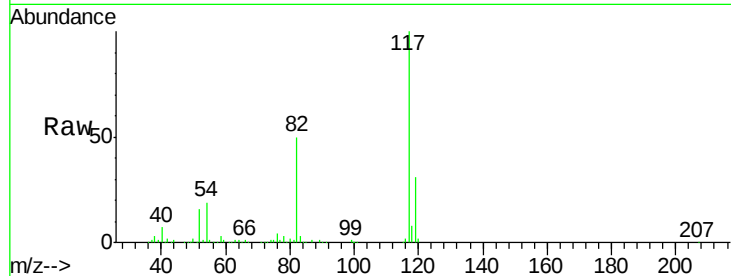
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061810.D
Acq: 1 Mar 2019 18:49

Instrument :
MSVOA_F
ClientSampled :
Z-3-2-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	39.3	58.9
119	31.1	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061810.D
Acq: 1 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	47.3	24.3	72.8
150	150.0	0.0	312.0

