

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061894.D
 Acq On : 11 Mar 2019 17:26
 Operator : VA/AP
 Sample : K1824-13
 Misc : 5.05/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-1

Quant Time: Mar 12 05:12:54 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

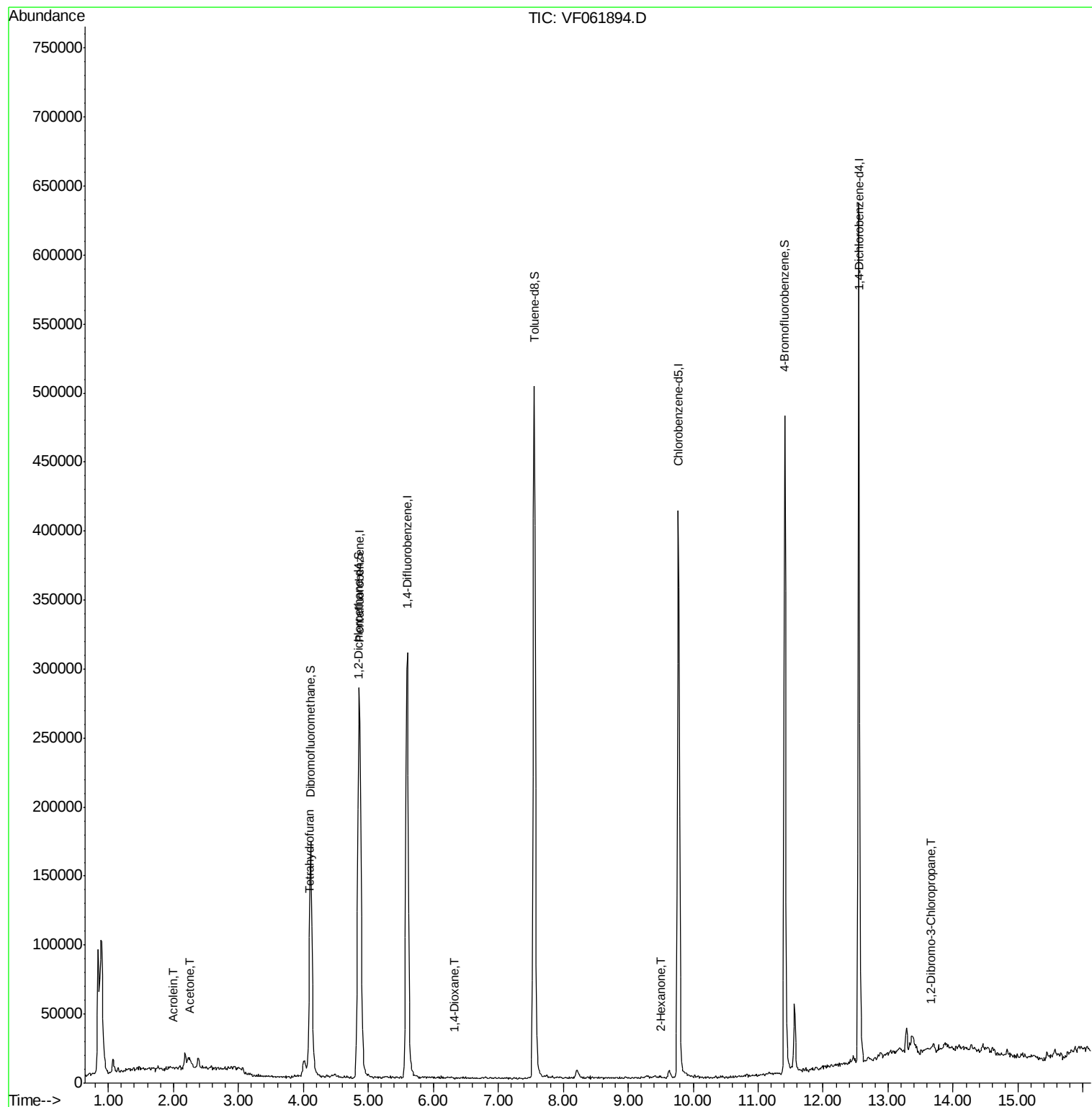
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	245421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	382150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	332728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	183048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	111887	62.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.20%	
35) Dibromofluoromethane	4.11	113	169944	63.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.44%	
50) Toluene-d8	7.55	98	444431	56.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.14%	
62) 4-Bromofluorobenzene	11.41	95	180980	58.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.56%	
Target Compounds						
					Qvalue	
13) Acrolein	2.01	56	449	3.493	ug/l	97
16) Acetone	2.26	43	2246	5.999	ug/l #	72
18) Methyl Acetate	2.38	43	4125	Below Cal	#	62
20) Methylene Chloride	2.18	84	5037	Below Cal		85
29) Tetrahydrofuran	4.08	42	402	1.224	ug/l #	62
49) 1,4-Dioxane	6.32	88	82	7.589	ug/l #	1
59) 2-Hexanone	9.51	43	961	1.032	ug/l	70
92) 1,2-Dibromo-3-Chloropropan	13.65	75	83	3.978	ug/l #	53

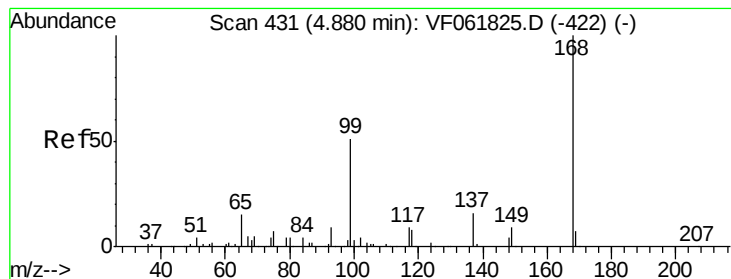
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
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Instrument :
MSVOA_F
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P-1

Quant Time: Mar 12 05:12:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
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: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061894.D

Acq: 11 Mar 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

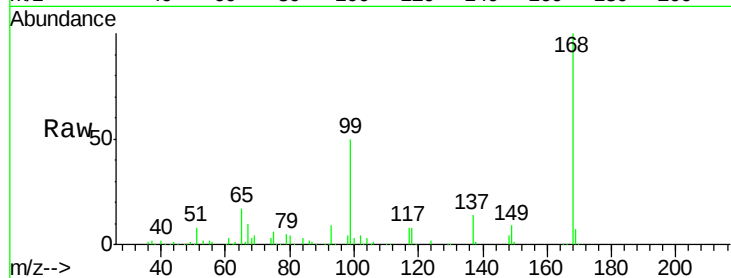
P-1

Tot Ion:168 Resp: 245421

Ion Ratio Lower Upper

168 100

99 50.4 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

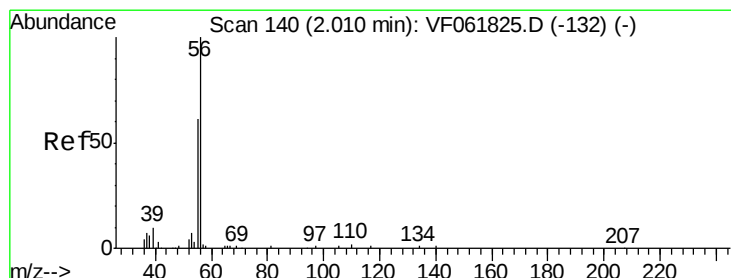
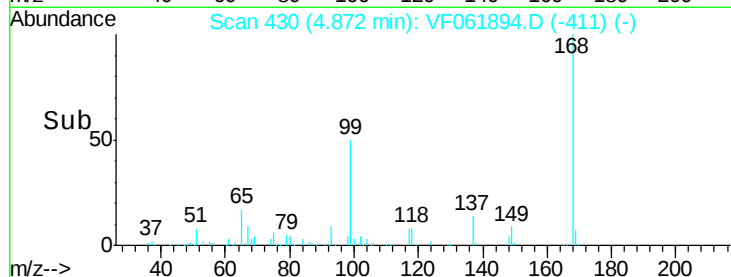
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#13

Acrolein

Concen: 3.493 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061894.D

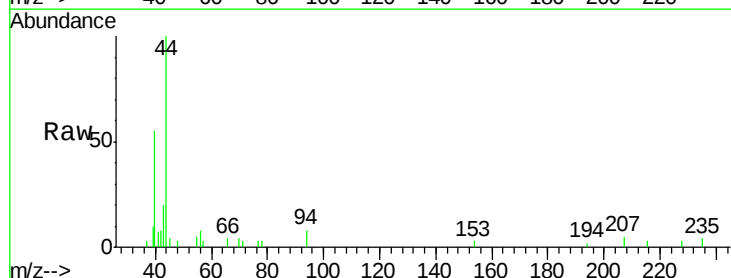
Acq: 11 Mar 2019 17:26

Tgt Ion: 56 Resp: 449

Ion Ratio Lower Upper

56 100

55 66.7 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

400

300

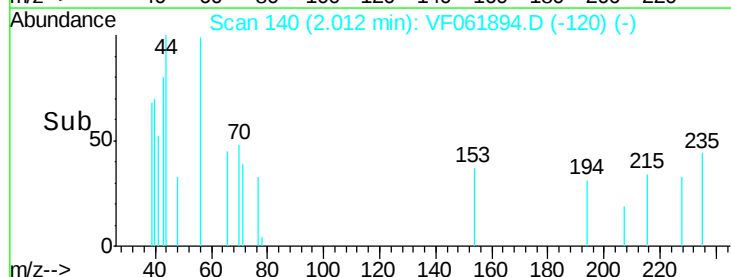
200

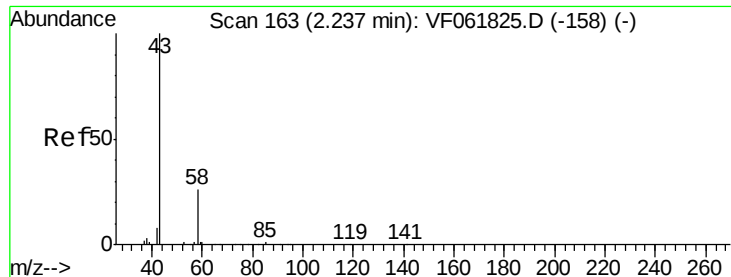
100

0

1.98 2.00 2.02 2.04

Time-->





#16

Acetone

Concen: 5.999 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.02 min

Lab File: VF061894.D

Acq: 11 Mar 2019 17:26

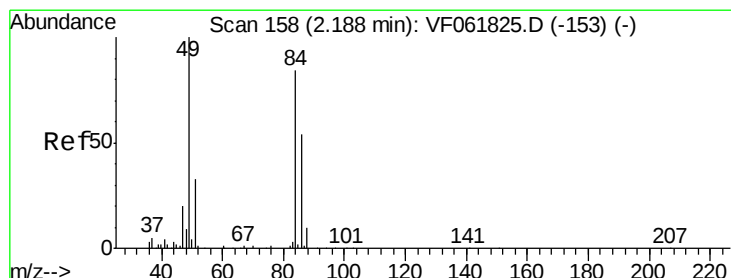
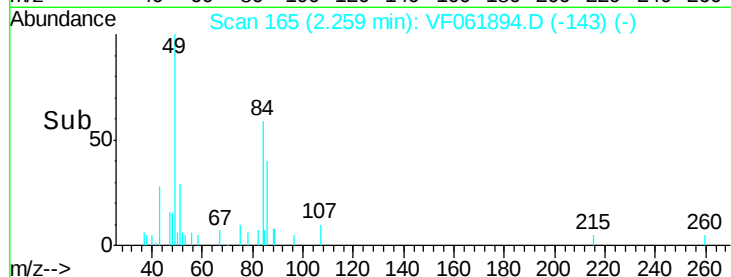
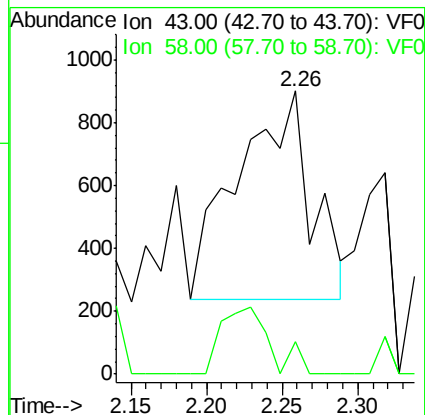
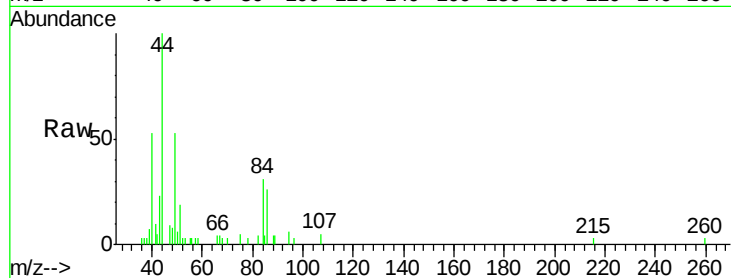
Instrument :
MSVOA_F
ClientSampled :
P-1

Tot Ion: 43 Resp: 2246

Ion Ratio Lower Upper

43 100

58 11.3 20.3 30.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061894.D

Acq: 11 Mar 2019 17:26

Tgt Ion: 84 Resp: 5037

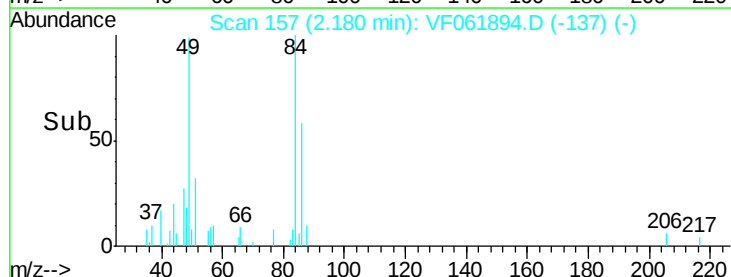
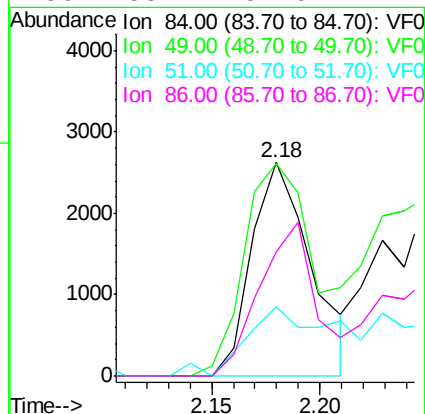
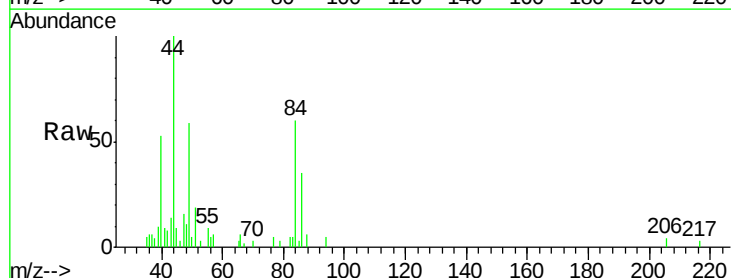
Ion Ratio Lower Upper

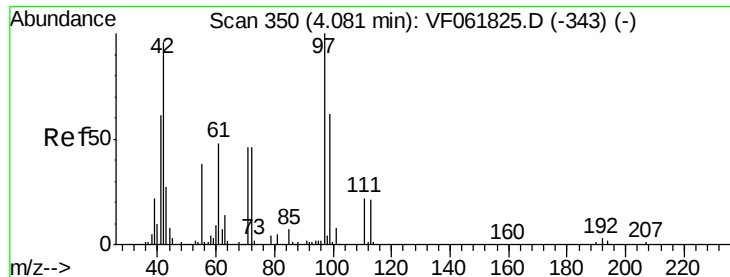
84 100

49 99.2 96.8 145.2

51 32.4 31.8 47.6

86 58.2 51.6 77.4





#29

Tetrahydrofuran

Concen: 1.224 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061894.D

Acq: 11 Mar 2019 17:26

Instrument :

MSVOA_F

ClientSampled :

P-1

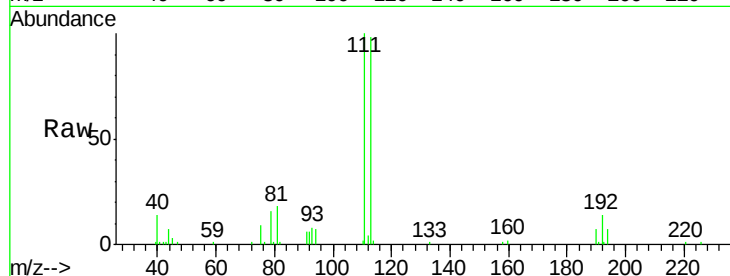
Tot Ion: 42 Resp: 402

Ion Ratio Lower Upper

42 100

72 20.1 34.4 51.6#

71 17.7 34.6 52.0#

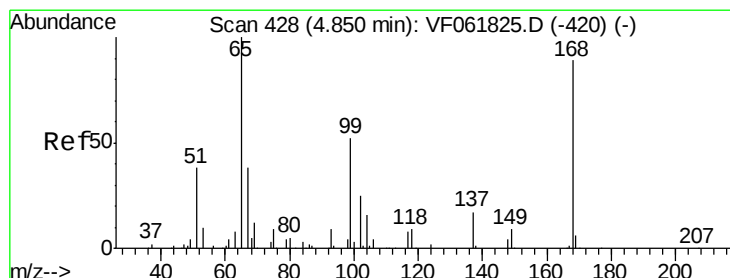
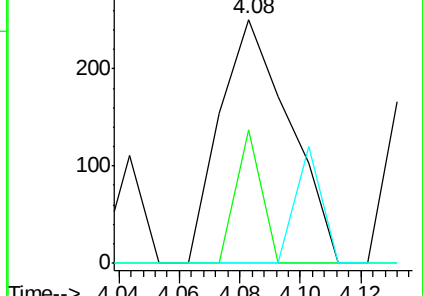
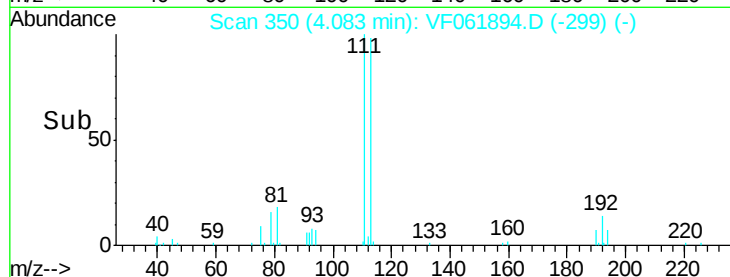


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 62.602 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061894.D

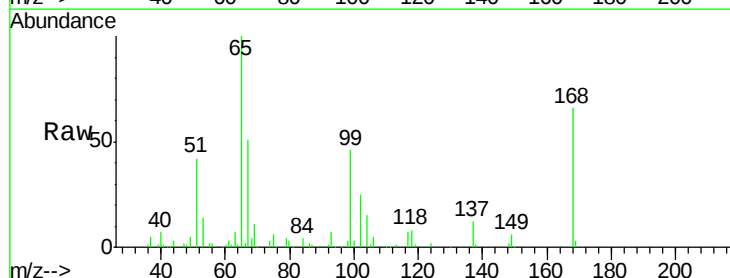
Acq: 11 Mar 2019 17:26

Tgt Ion: 65 Resp: 111887

Ion Ratio Lower Upper

65 100

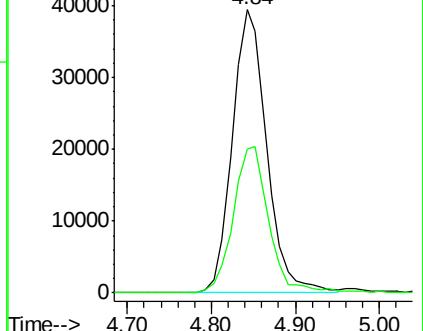
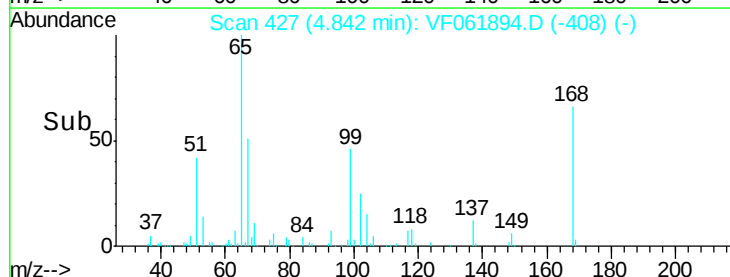
67 51.0 0.0 108.6

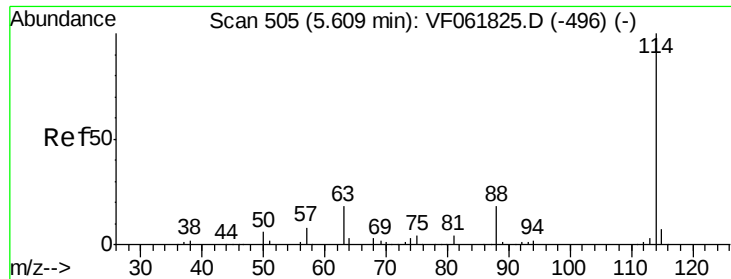


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Time-->

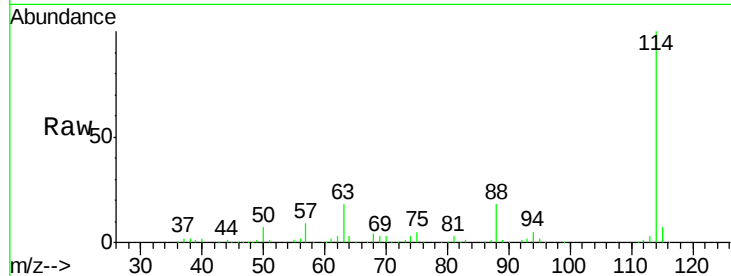




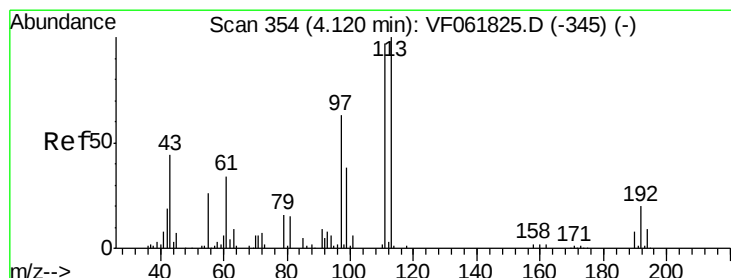
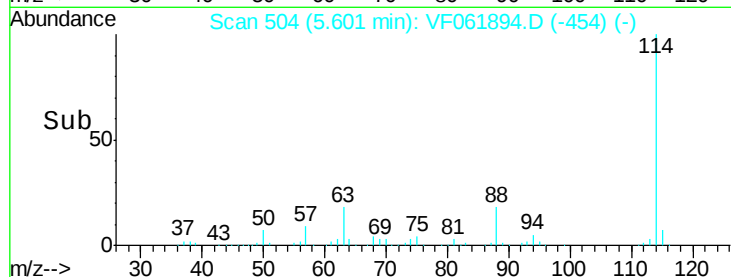
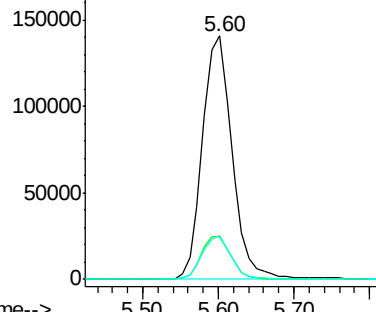
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF061894.D
Acq: 11 Mar 2019 17:26

Instrument :
MSVOA_F
ClientSampleId :
P-1

Tot Ion:114 Resp: 382150
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.6
88 18.1 0.0 35.6

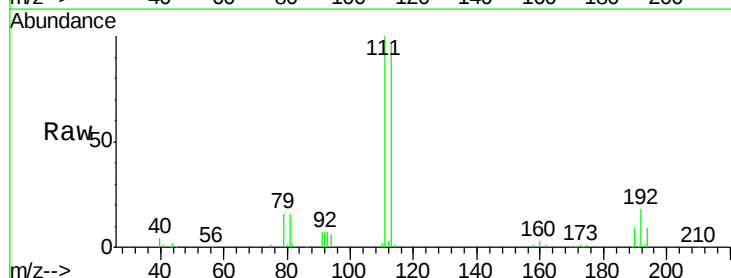


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

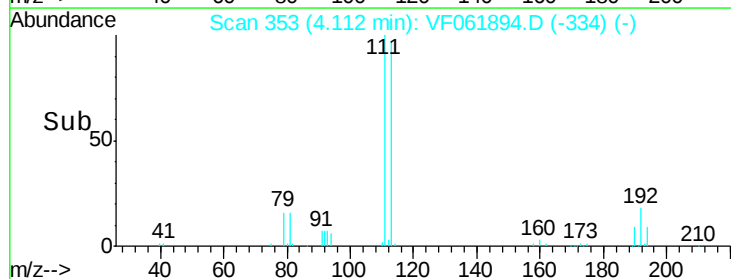
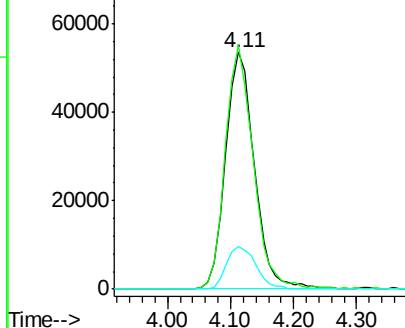


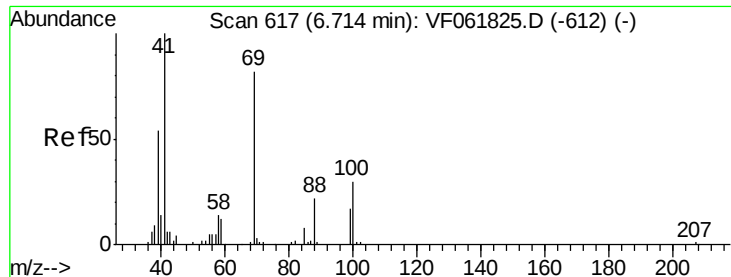
#35
Dibromofluoromethane
Concen: 63.723 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061894.D
Acq: 11 Mar 2019 17:26

Tgt Ion:113 Resp: 169944
Ion Ratio Lower Upper
113 100
111 102.8 77.6 116.4
192 18.0 15.9 23.9



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: 7.589 ug/l

RT: 6.32 min Scan# 577

Delta R.T. -0.39 min

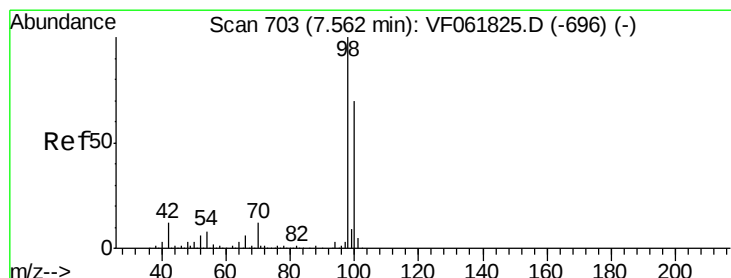
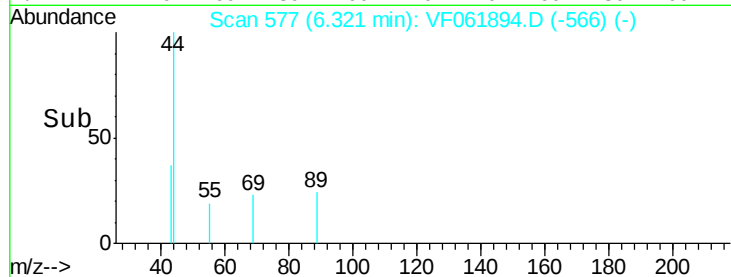
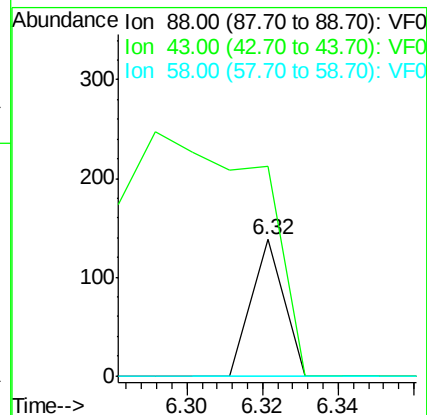
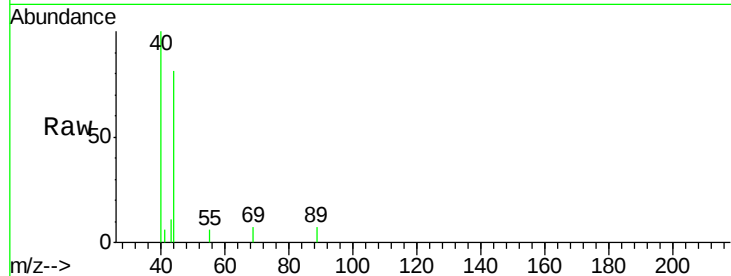
Lab File: VF061894.D

Acq: 11 Mar 2019 17:26

Instrument :
MSVOA_F
ClientSampleId :
P-1

Tot Ion: 88 Resp: 82

Ion	Ratio	Lower	Upper
88	100		
43	154.3	28.4	42.6#
58	0.0	50.7	76.1#



#50

Toluene-d8

Concen: 56.067 ug/l

RT: 7.55 min Scan# 702

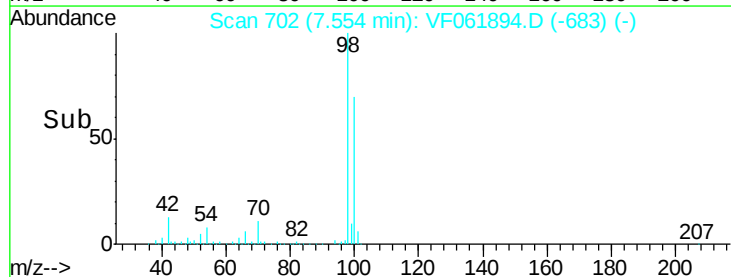
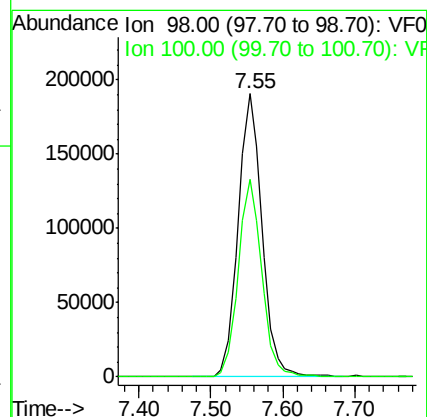
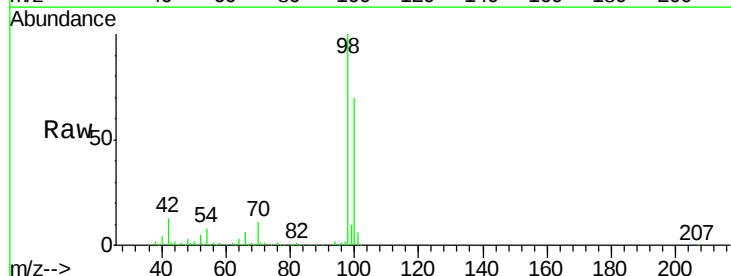
Delta R.T. -0.01 min

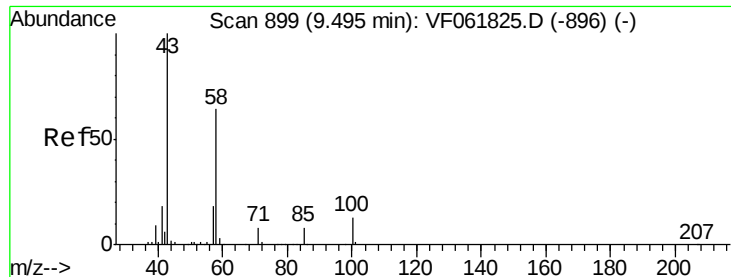
Lab File: VF061894.D

Acq: 11 Mar 2019 17:26

Tgt Ion: 98 Resp: 444431

Ion	Ratio	Lower	Upper
98	100		
100	69.7	56.0	84.0

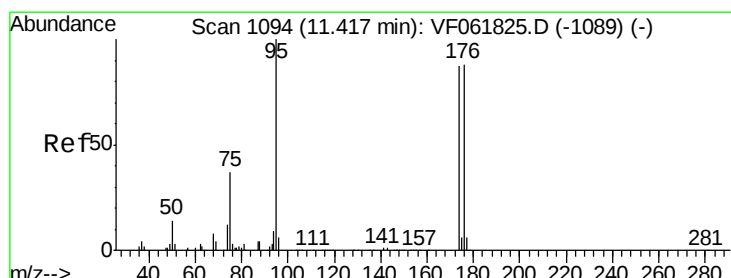
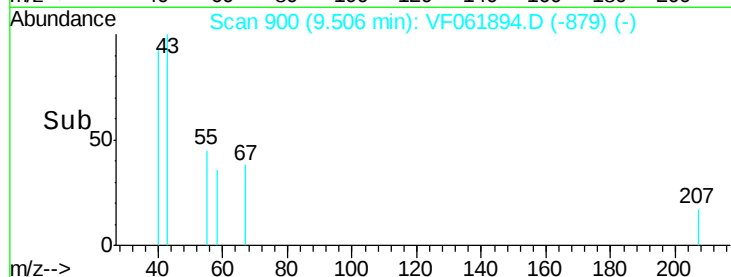
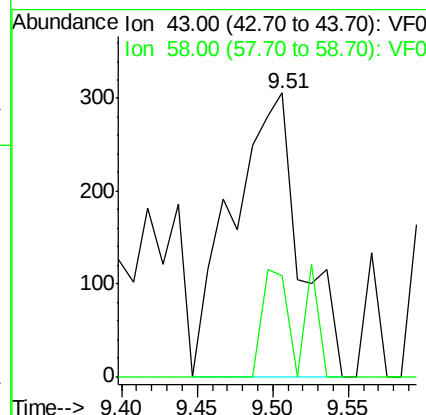
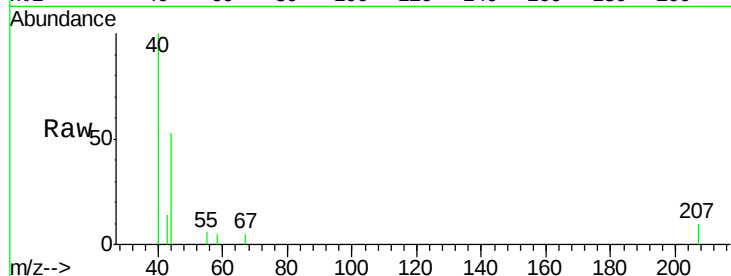




#59
2-Hexanone
Concen: 1.032 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061894.D
Acq: 11 Mar 2019 17:26

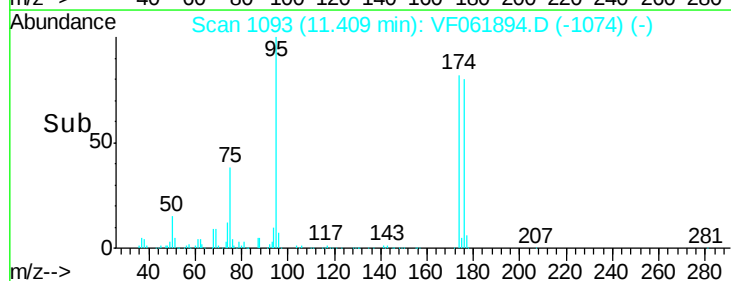
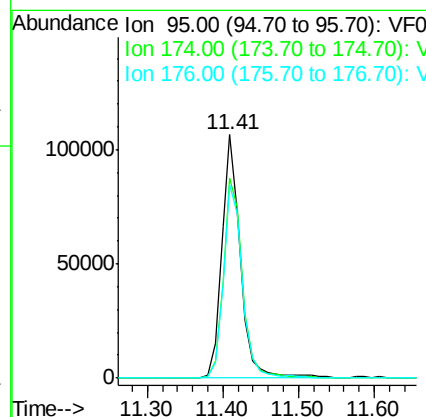
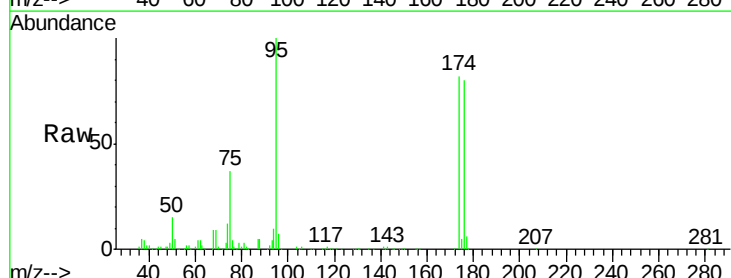
Instrument :
MSVOA_F
ClientSampled :
P-1

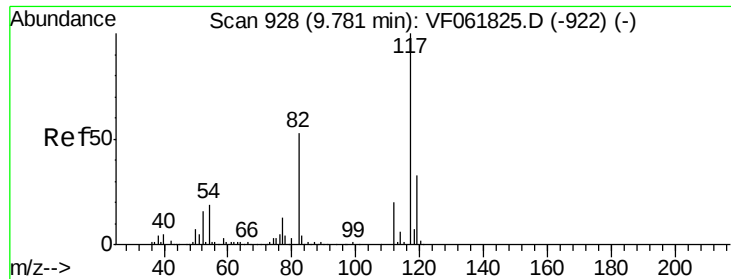
Tot Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 35.6 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 58.284 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061894.D
Acq: 11 Mar 2019 17:26

Tgt Ion: 95 Resp: 180980
Ion Ratio Lower Upper
95 100
174 82.2 0.0 174.0
176 79.7 0.0 175.2

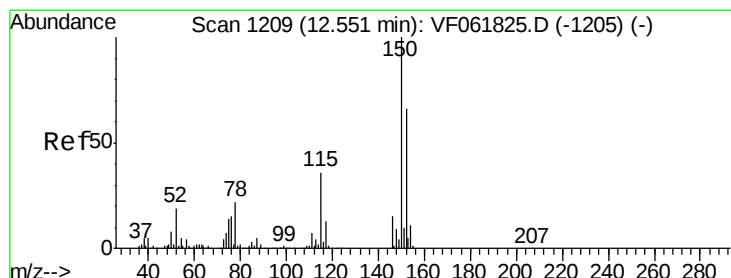
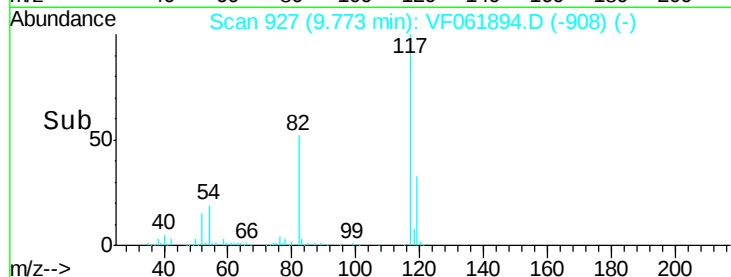
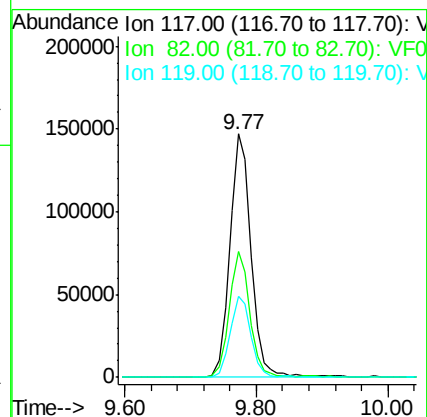
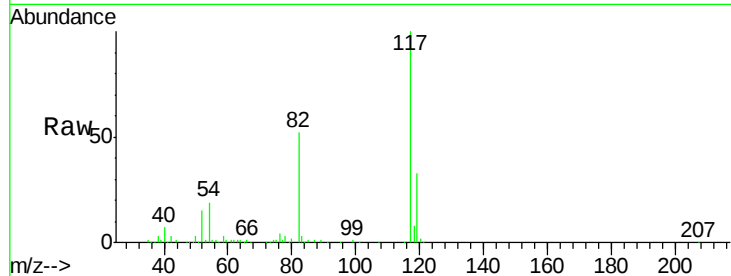




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061894.D
Acq: 11 Mar 2019 17:26

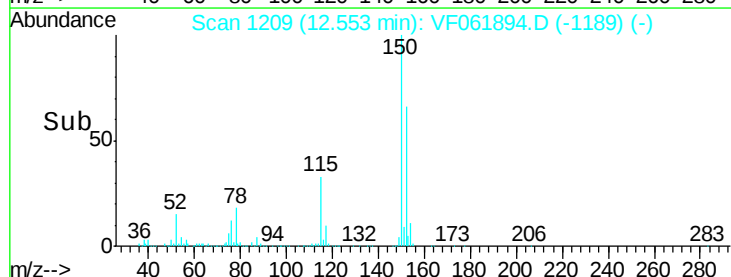
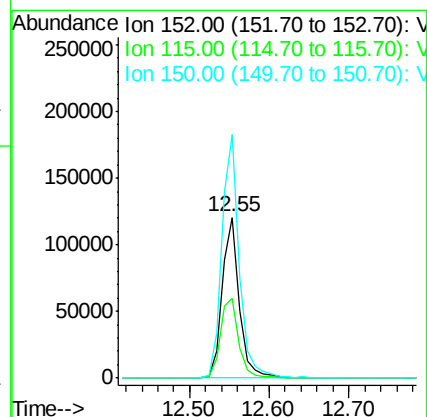
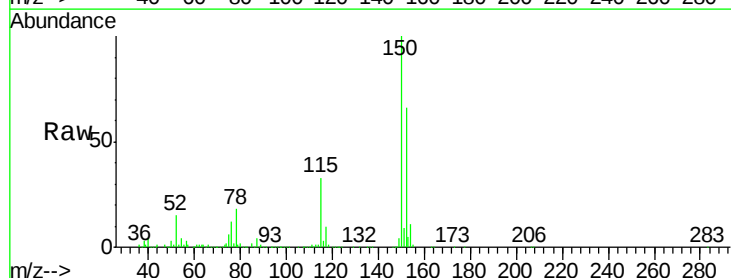
Instrument :
MSVOA_F
ClientSampleId :
P-1

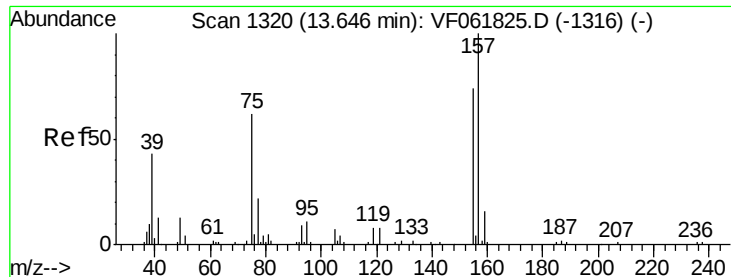
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.6	63.8
119	33.2	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061894.D
Acq: 11 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.0	27.7	83.1
150	151.5	0.0	304.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.978 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF061894.D

Acq: 11 Mar 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

P-1

Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 158.9 81.2 243.4

