

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061955.D
 Acq On : 15 Mar 2019 12:15
 Operator : VA/AP
 Sample : VF0315SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0315SBL01

Quant Time: Mar 15 23:13:31 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	296415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	463480	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	388996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	222819	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	115267	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
35) Dibromofluoromethane	4.12	113	165453	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	7.56	98	428697	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	
62) 4-Bromofluorobenzene	11.42	95	179806	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

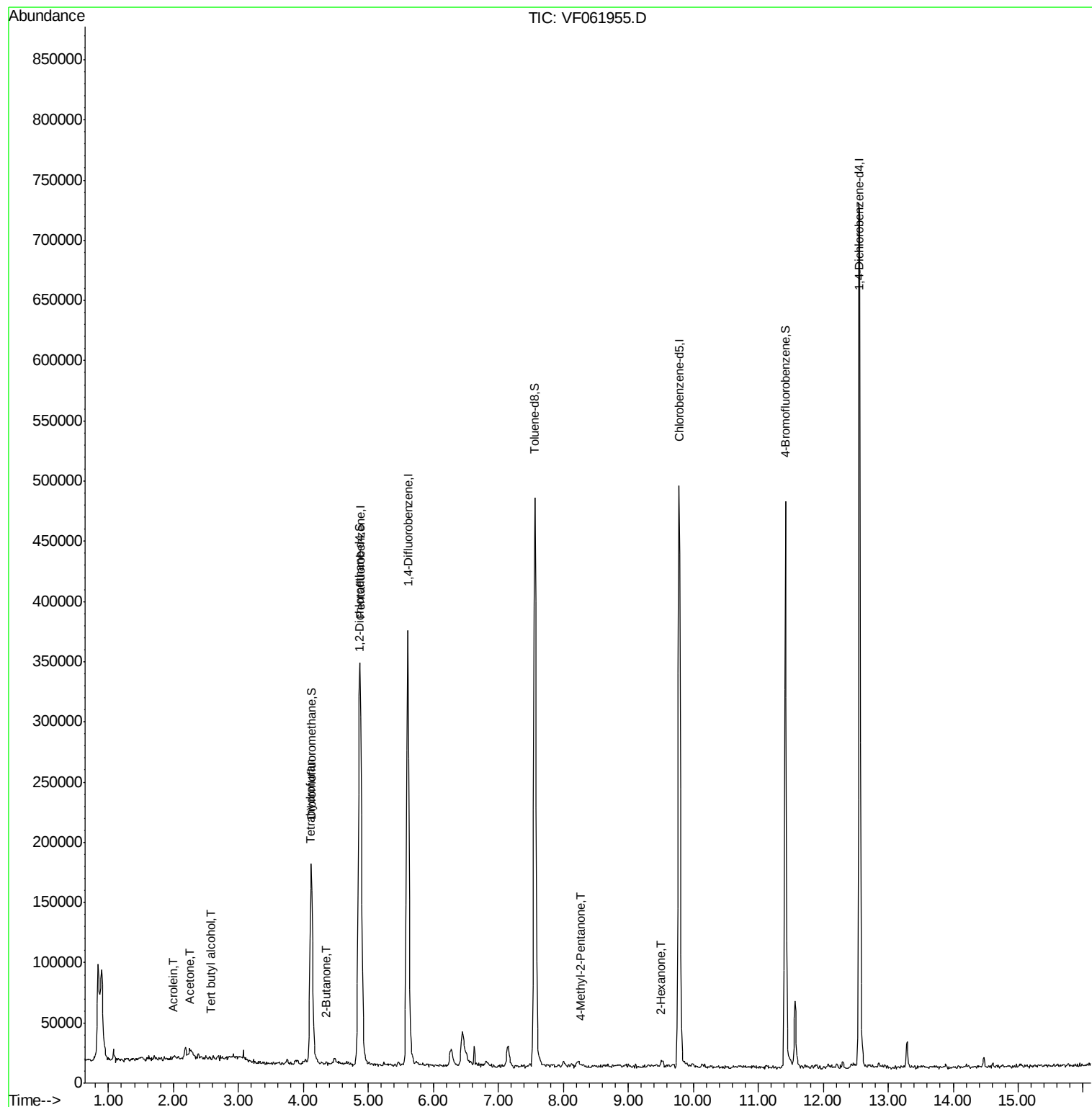
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	182	1.485	ug/l #	64
13) Acrolein	2.00	56	982	6.325	ug/l #	51
16) Acetone	2.24	43	5966	13.194	ug/l	99
18) Methyl Acetate	2.38	43	4078	Below Cal	#	62
20) Methylene Chloride	2.27	84	7659	Below Cal		84
25) 2-Butanone	4.36	43	1959	2.130	ug/l #	86
29) Tetrahydrofuran	4.10	42	813	2.050	ug/l #	48
51) 4-Methyl-2-Pentanone	8.27	43	2507	1.601	ug/l	97
59) 2-Hexanone	9.50	43	3099	2.744	ug/l	74

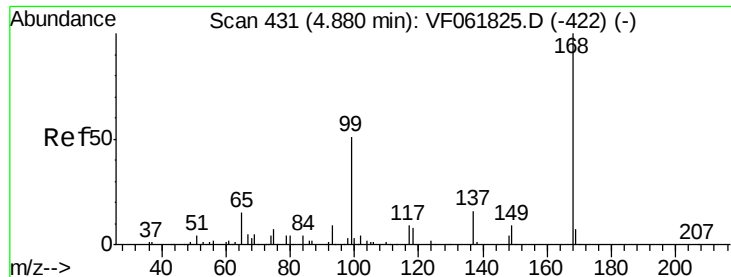
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061955.D
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ALS Vial : 3 Sample Multiplier: 1

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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: VF061955.D

Acq: 15 Mar 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

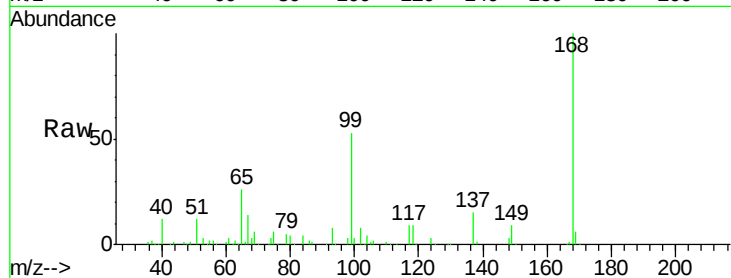
VF0315SBL01

Tot Ion:168 Resp: 296415

Ion Ratio Lower Upper

168 100

99 53.4 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

60000

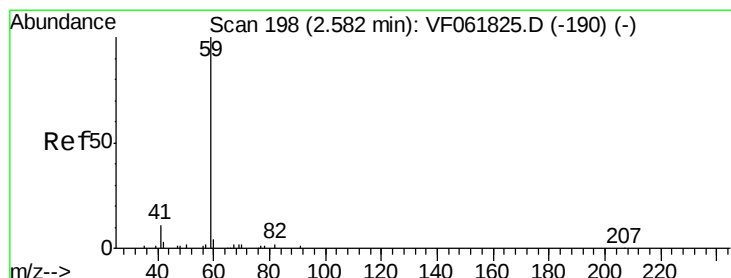
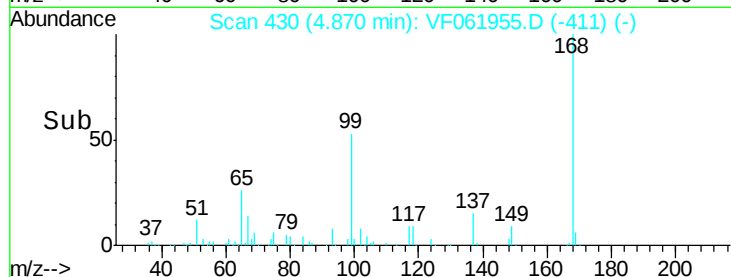
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.485 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061955.D

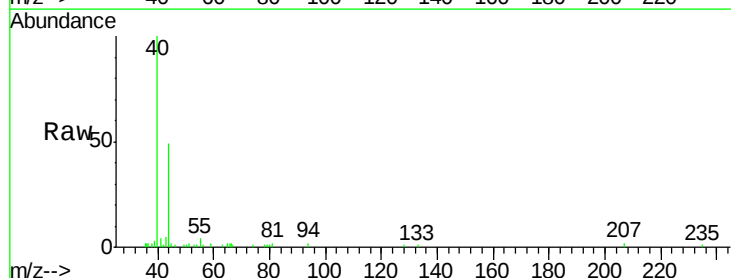
Acq: 15 Mar 2019 12:15

Tgt Ion: 59 Resp: 182

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

300

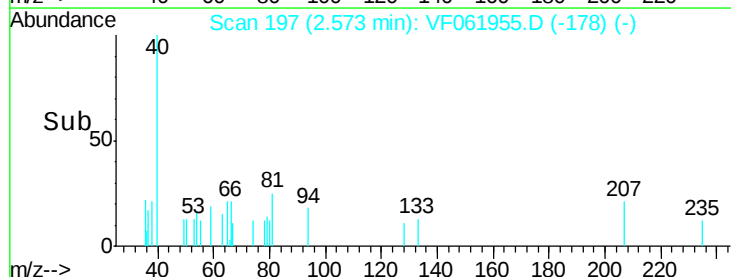
200

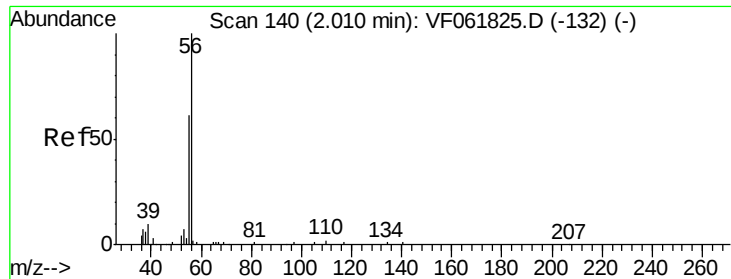
100

0

Time-->

2.52 2.54 2.56 2.58 2.60





#13

Acrolein

Concen: 6.325 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061955.D

Acq: 15 Mar 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

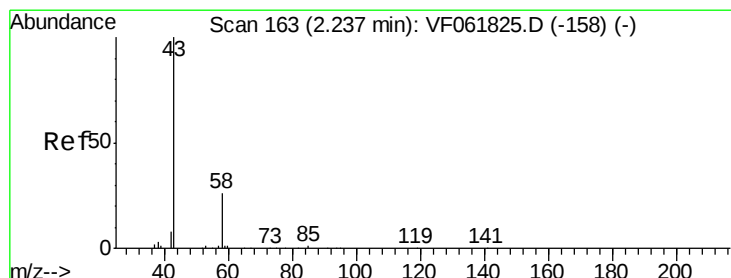
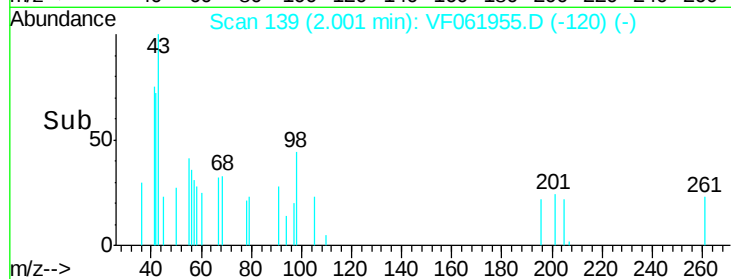
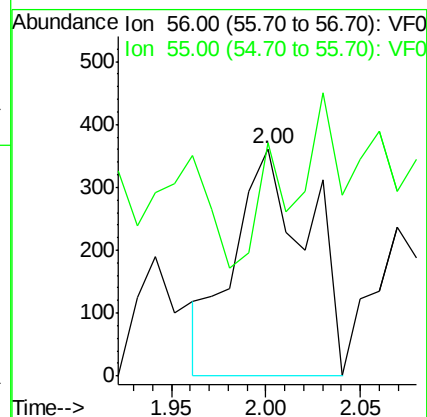
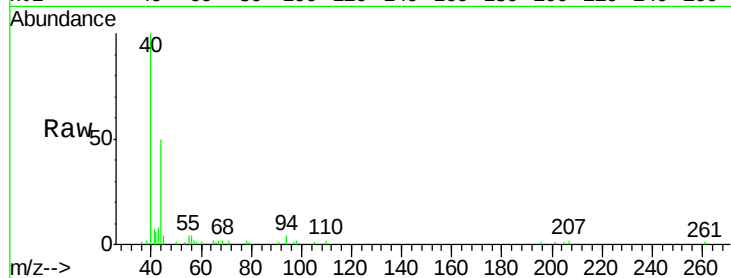
VF0315SBL01

Tot Ion: 56 Resp: 982

Ion Ratio Lower Upper

56 100

55 102.8 51.3 76.9#



#16

Acetone

Concen: 13.194 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061955.D

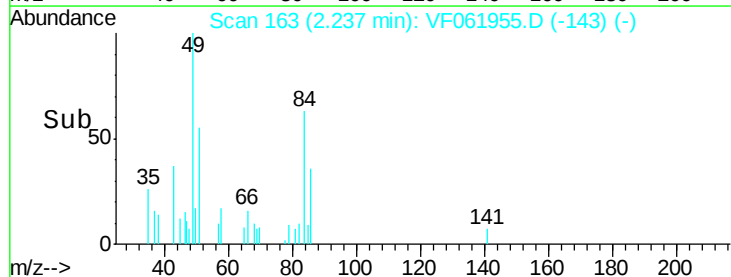
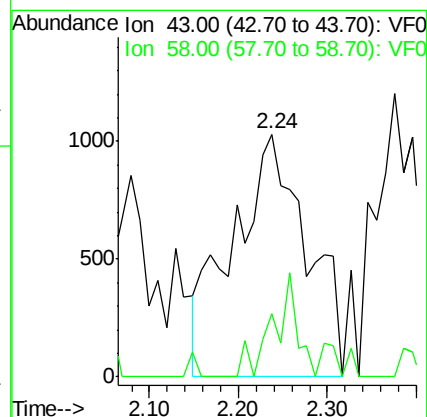
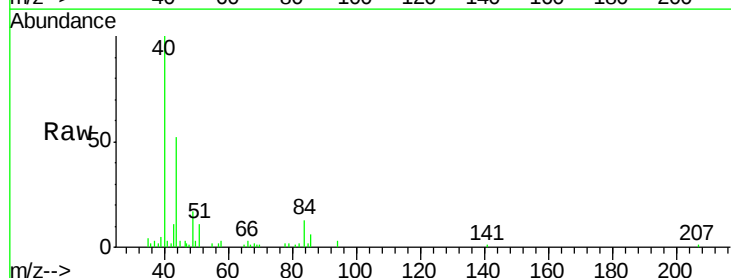
Acq: 15 Mar 2019 12:15

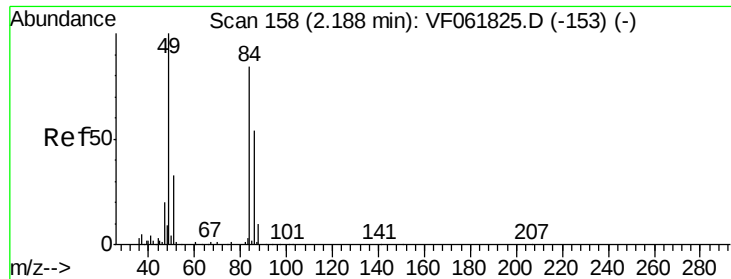
Tgt Ion: 43 Resp: 5966

Ion Ratio Lower Upper

43 100

58 25.9 20.3 30.5

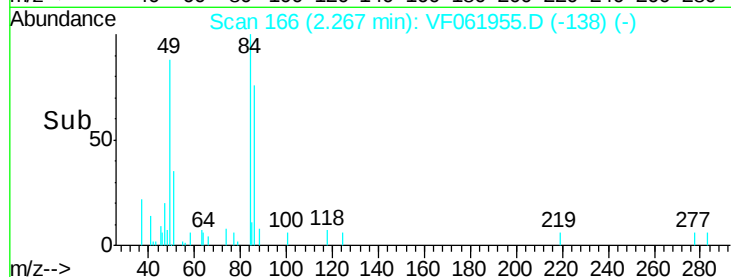
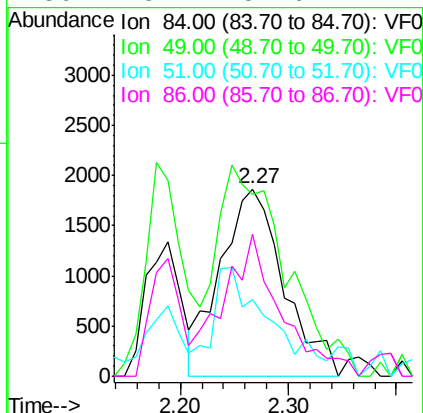
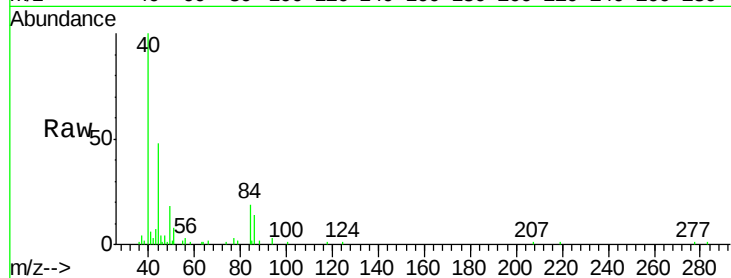




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.08 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

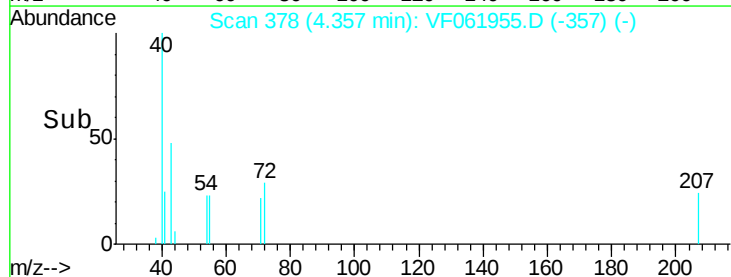
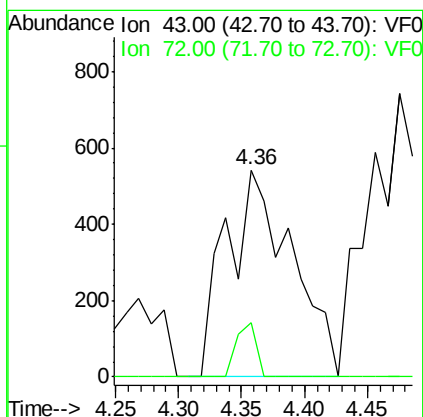
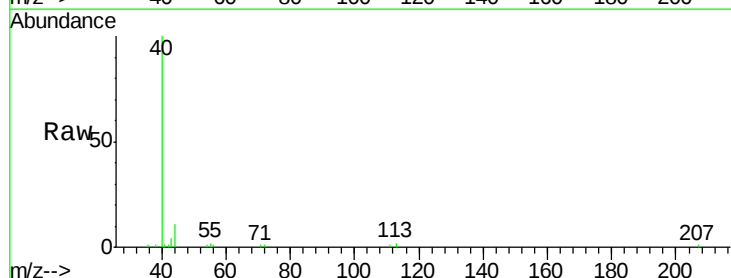
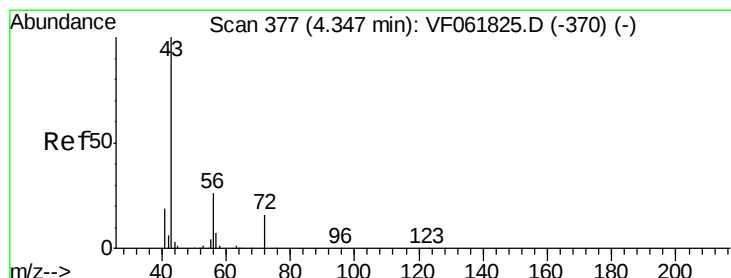
Instrument :
MSVOA_F
ClientSampleId :
VF0315SBL01

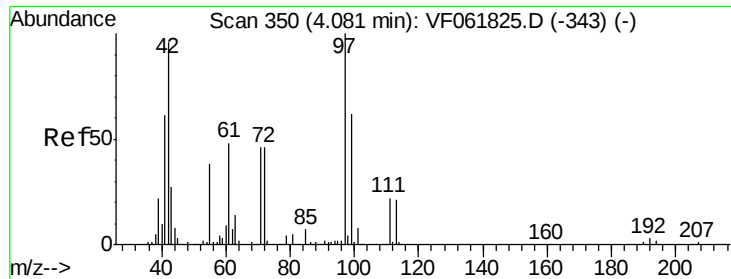
Tot Ion:	84	Resp:	7659
Ion	Ratio	Lower	Upper
84	100		
49	97.4	96.8	145.2
51	41.0	31.8	47.6
86	75.7	51.6	77.4



#25
2-Butanone
Concen: 2.130 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

Tgt Ion:	43	Resp:	1959
Ion	Ratio	Lower	Upper
43	100		
72	26.6	16.2	24.4#

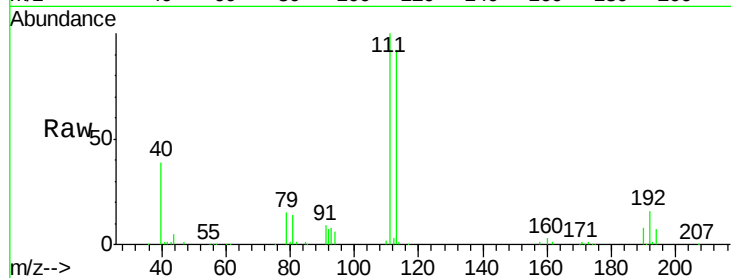




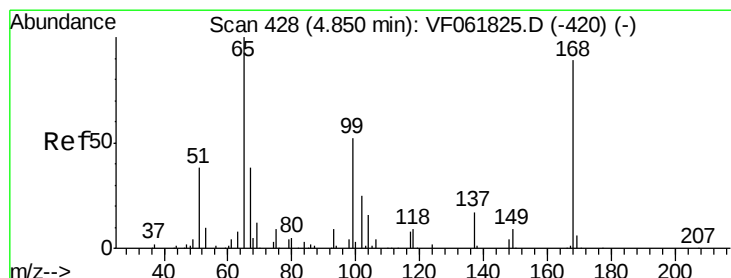
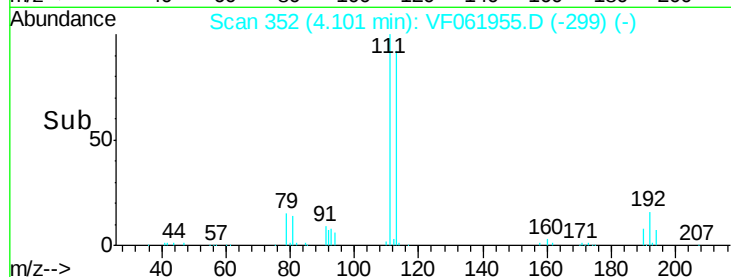
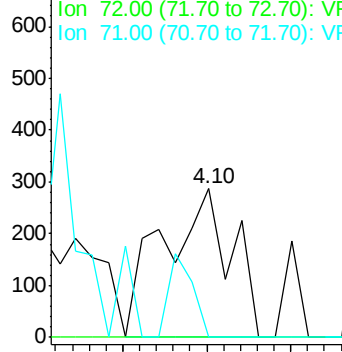
#29
Tetrahydrofuran
Concen: 2.050 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.02 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF0315SBL01

Tot Ion: 42 Resp: 813
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 19.6 34.6 52.0#

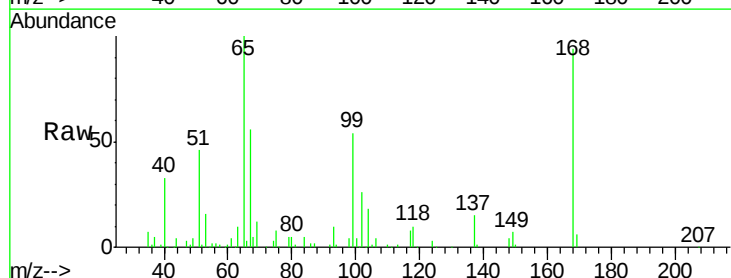


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

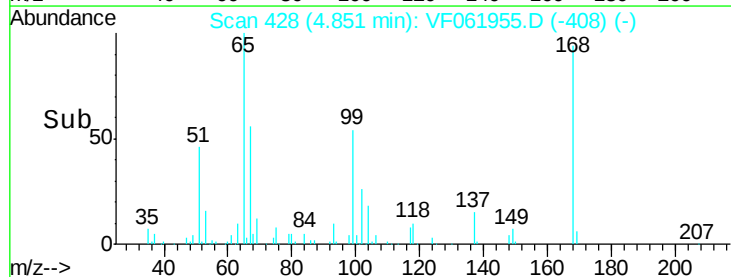
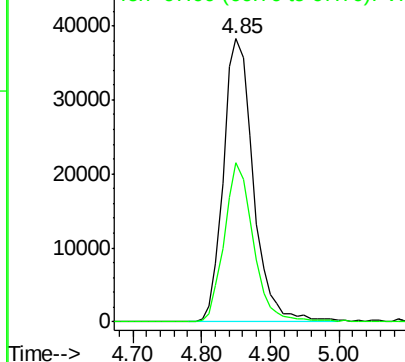


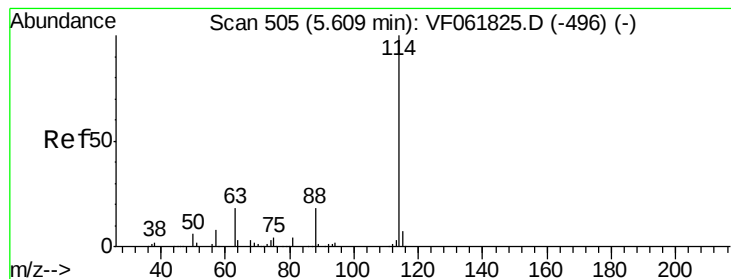
#33
1,2-Dichloroethane-d4
Concen: 53.398 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.00 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

Tgt Ion: 65 Resp: 115267
Ion Ratio Lower Upper
65 100
67 56.1 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: 5.61 min Scan# 505

Delta R.T. 0.00 min

Lab File: VF061955.D

Acq: 15 Mar 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF0315SBL01

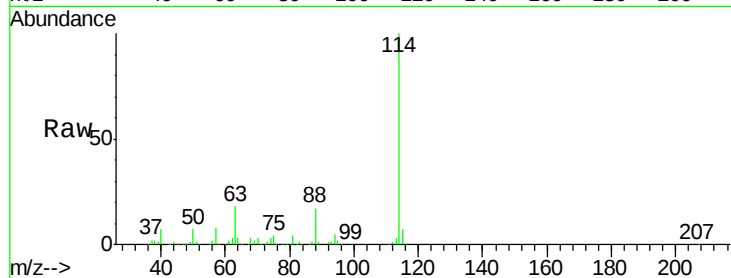
Tot Ion:114 Resp: 463480

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.6

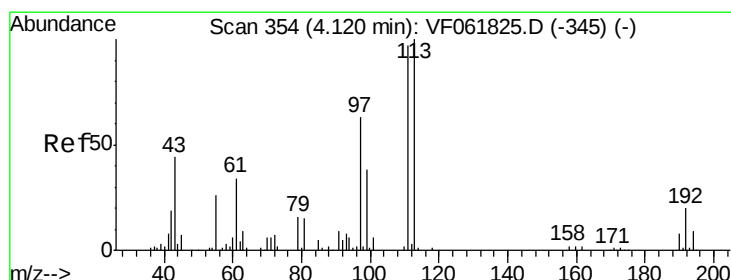
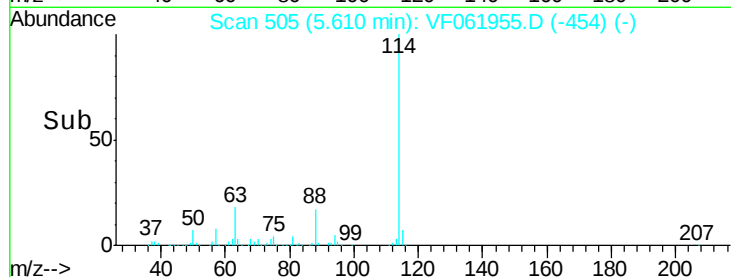
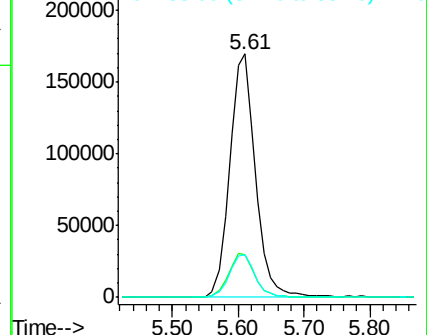
88 17.4 0.0 35.6



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: 51.153 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061955.D

Acq: 15 Mar 2019 12:15

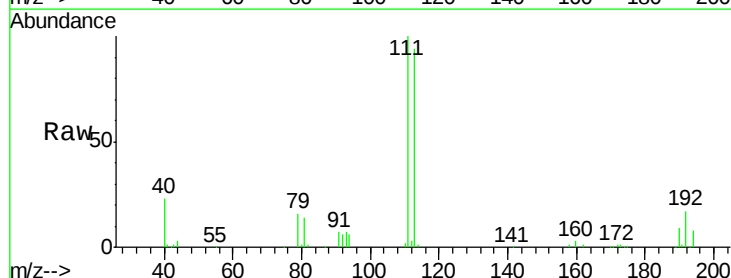
Tgt Ion:113 Resp: 165453

Ion Ratio Lower Upper

113 100

111 106.7 77.6 116.4

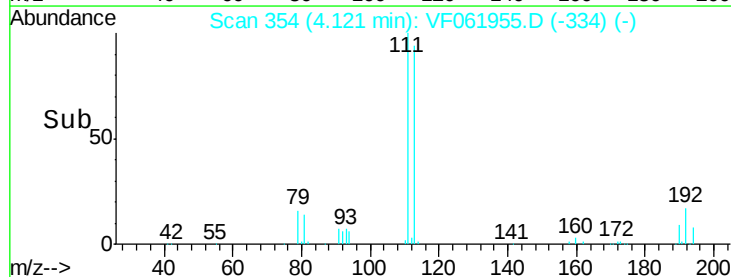
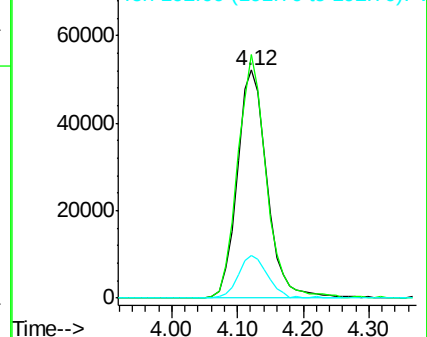
192 19.0 15.9 23.9

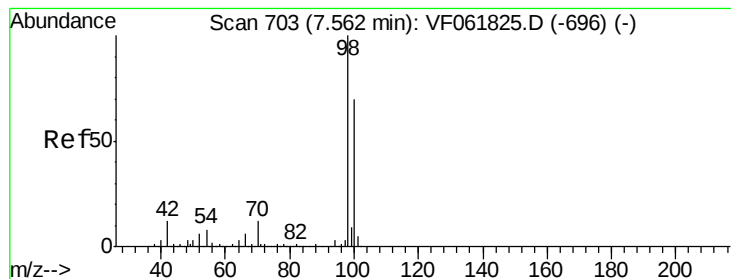


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 44.592 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061955.D

Acq: 15 Mar 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

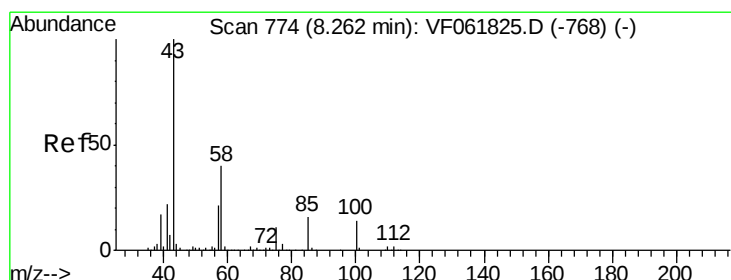
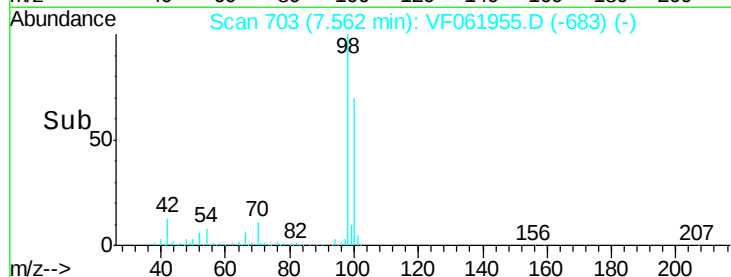
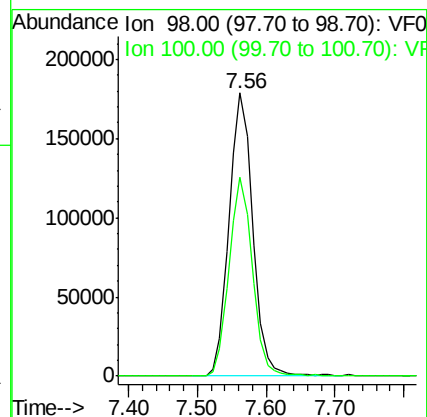
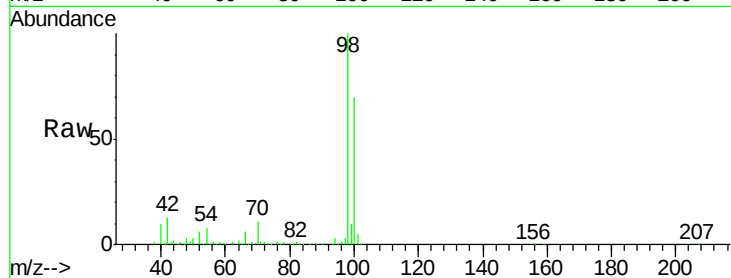
VF0315SBL01

Tot Ion: 98 Resp: 428697

Ion Ratio Lower Upper

98 100

100 70.4 56.0 84.0



#51

4-Methyl-2-Pentanone

Concen: 1.601 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061955.D

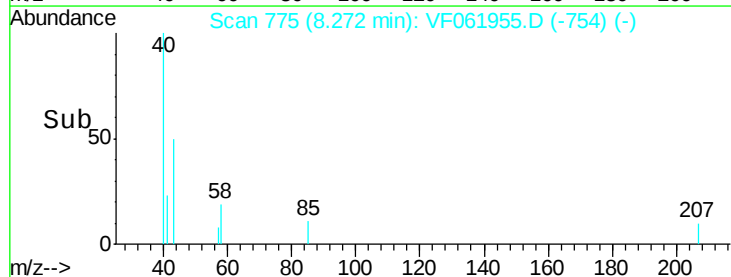
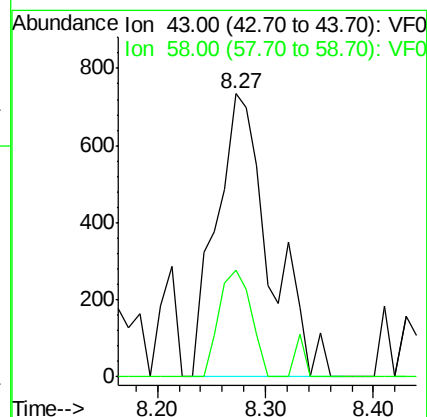
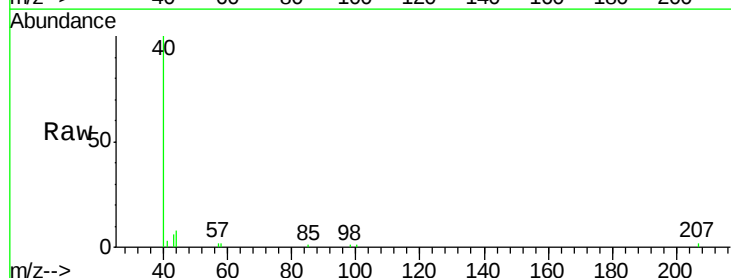
Acq: 15 Mar 2019 12:15

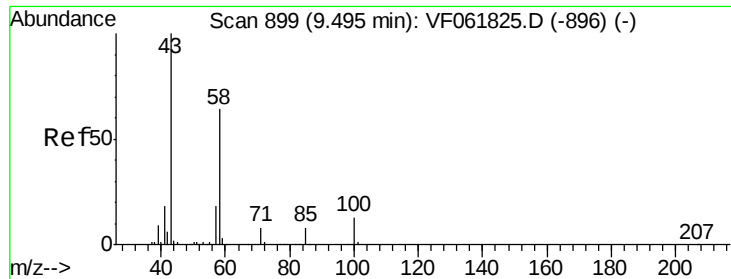
Tgt Ion: 43 Resp: 2507

Ion Ratio Lower Upper

43 100

58 37.7 31.8 47.8

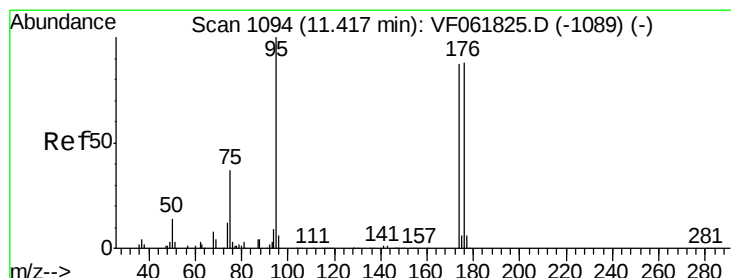
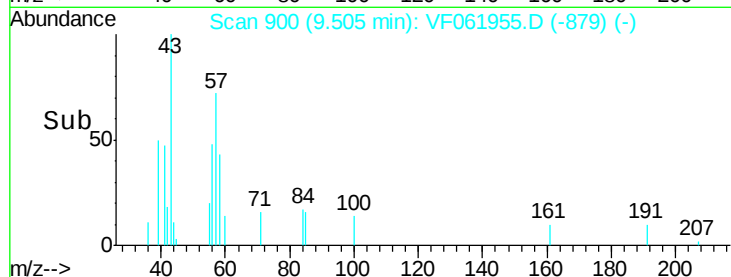
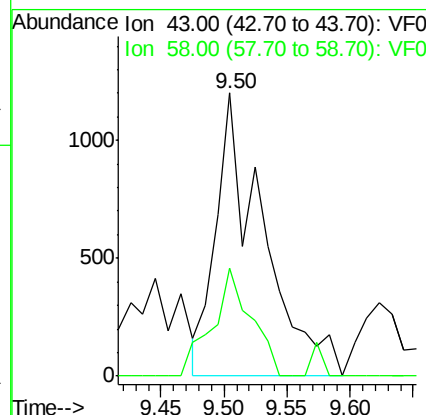
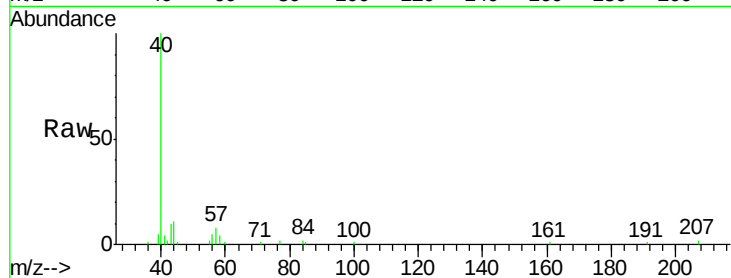




#59
2-Hexanone
Concen: 2.744 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

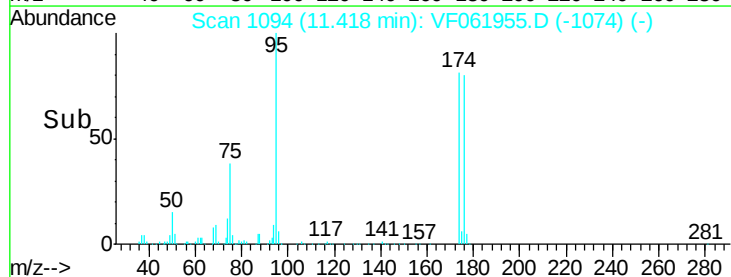
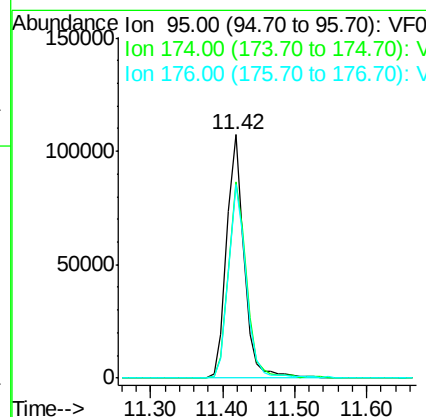
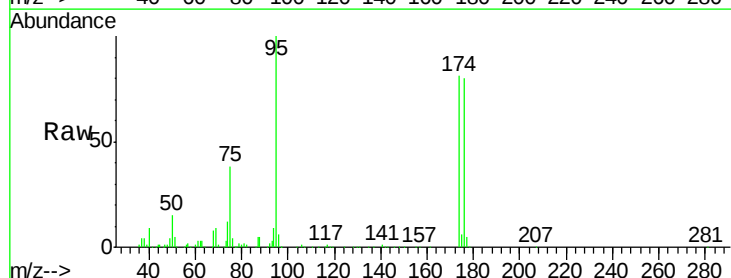
Instrument :
MSVOA_F
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VF0315SBL01

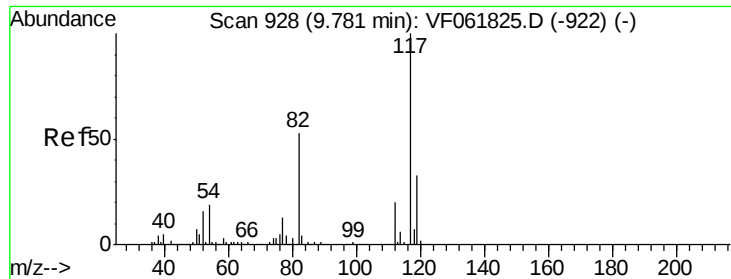
Tot Ion: 43 Resp: 3099
Ion Ratio Lower Upper
43 100
58 38.4 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 47.745 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

Tgt Ion: 95 Resp: 179806
Ion Ratio Lower Upper
95 100
174 80.8 0.0 174.0
176 79.5 0.0 175.2

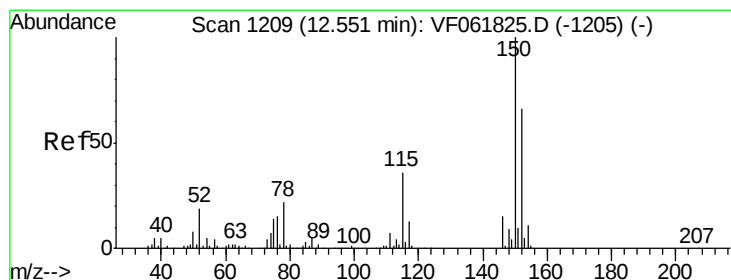
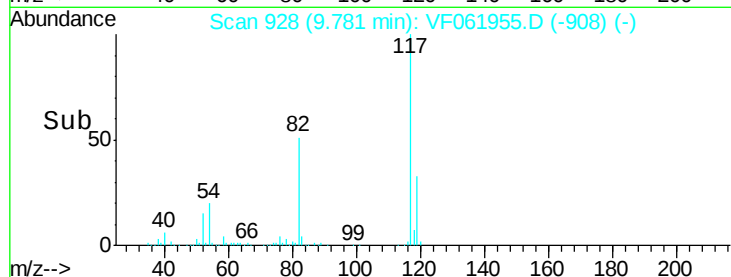
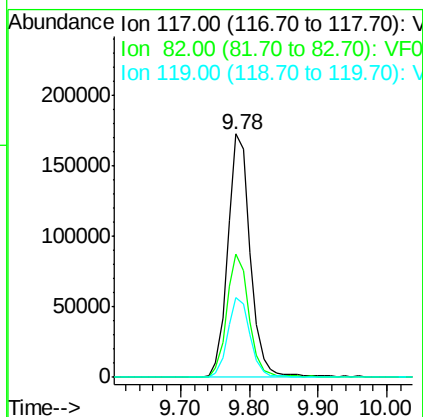
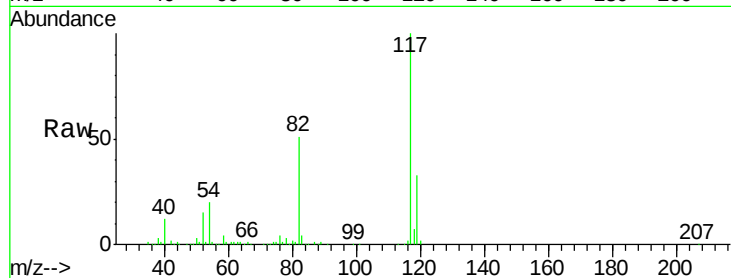




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF0315SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.6	63.8
119	32.9	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061955.D
Acq: 15 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.5	27.7	83.1
150	151.9	0.0	304.2

