

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF042319\
 Data File : VF062267.D
 Acq On : 23 Apr 2019 16:51
 Operator : FY/SY
 Sample : K2201-05
 Misc : 7.40g/5mL/MSVOA_F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-041819-CRE

Quant Time: Apr 23 17:14:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

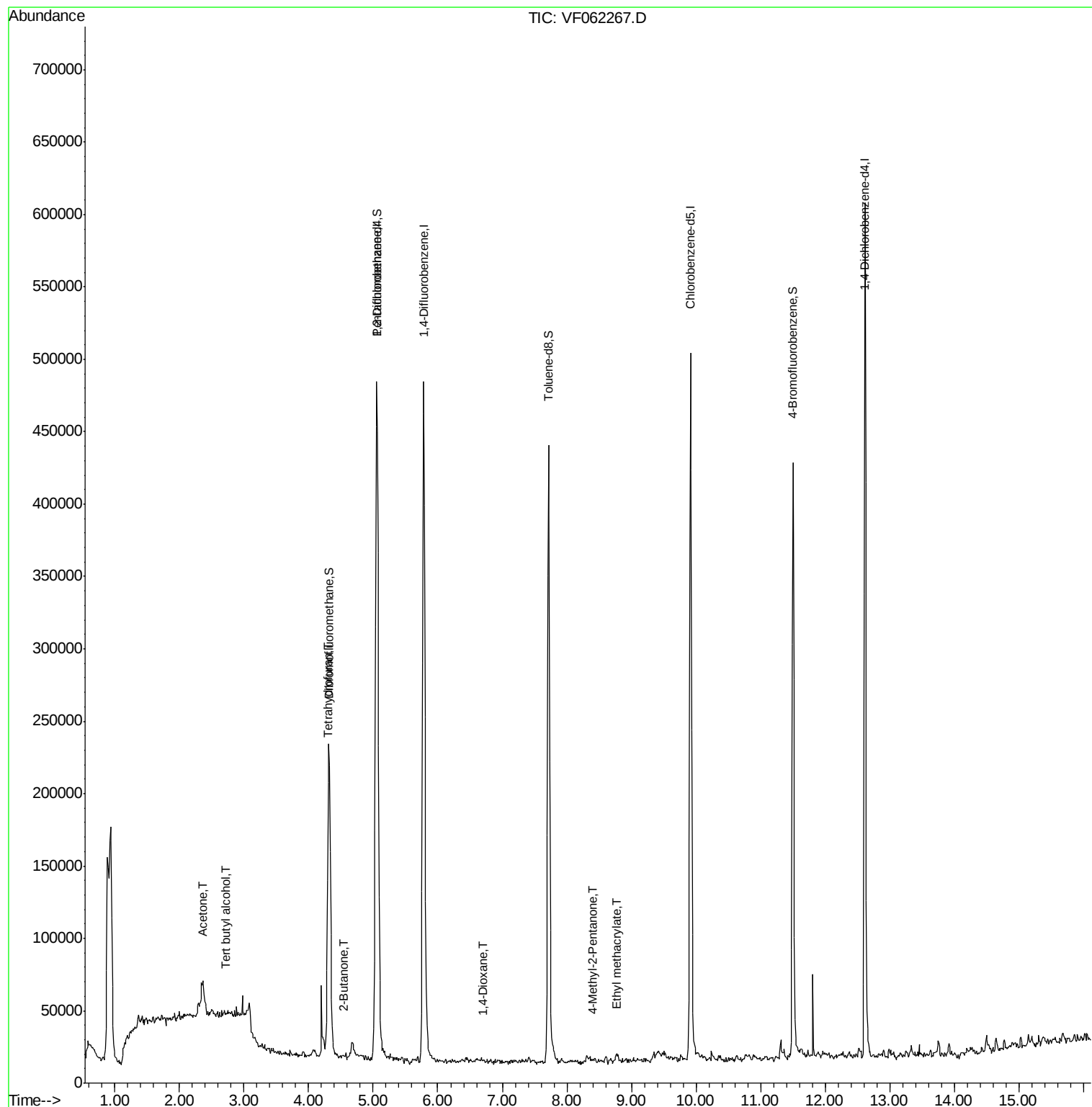
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	437760	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	582577	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	376447	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	162429	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	158985	39.61	ug/l	0.03
Spiked Amount 50.000			Recovery	=	79.22%	
35) Dibromofluoromethane	4.32	113	209106	41.03	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.06%	
50) Toluene-d8	7.72	98	378854	29.37	ug/l	0.02
Spiked Amount 50.000			Recovery	=	58.74%	
62) 4-Bromofluorobenzene	11.50	95	144079	29.03	ug/l	0.02
Spiked Amount 50.000			Recovery	=	58.06%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.72	59	1769	6.340	ug/l #	1
13) Acrolein	2.07	56	636	Below Cal	#	14
16) Acetone	2.35	43	18716	19.507	ug/l	92
18) Methyl Acetate	2.47	43	1629	Below Cal	#	59
20) Methylene Chloride	2.34	84	14375	Below Cal	#	86
25) 2-Butanone	4.54	43	2687	1.401	ug/l #	56
29) Tetrahydrofuran	4.30	42	1928	2.220	ug/l #	78
49) 1,4-Dioxane	6.70	88	64	2.450	ug/l #	21
51) 4-Methyl-2-Pentanone	8.41	43	2612	1.013	ug/l	91
56) Ethyl methacrylate	8.77	69	3537	1.150	ug/l	94
74) N-amyl acetate	11.45	43	2769	Below Cal	#	63
89) n-Butylbenzene	12.90	91	1864	Below Cal		85

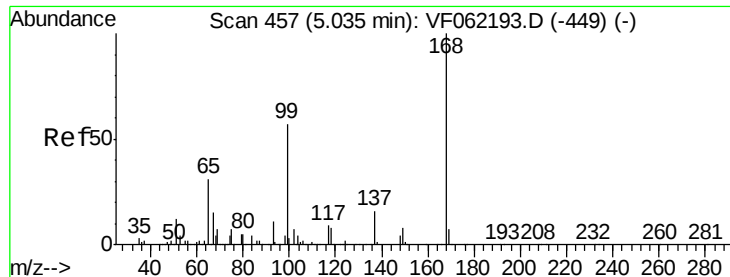
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF042319\
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Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062267.D

Acq: 23 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

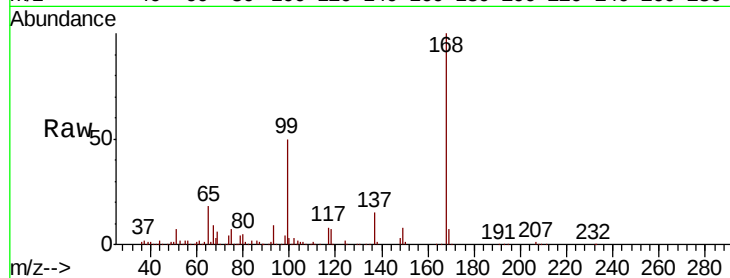
PL-01-041819-CRE

Tgt Ion:168 Resp: 437760

Ion Ratio Lower Upper

168 100

99 50.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

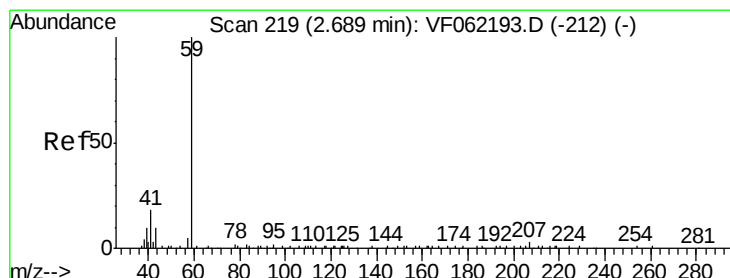
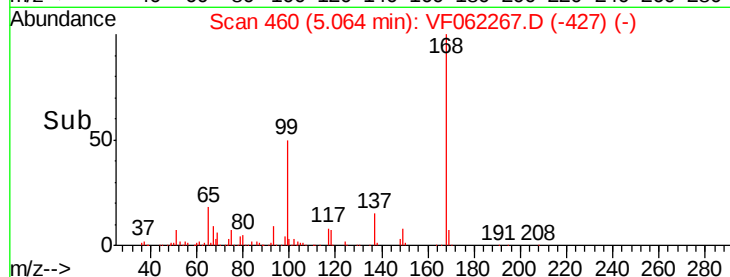
100000

50000

0

Time-->

5.00 5.20



#11

Tert butyl alcohol

Concen: 6.340 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.03 min

Lab File: VF062267.D

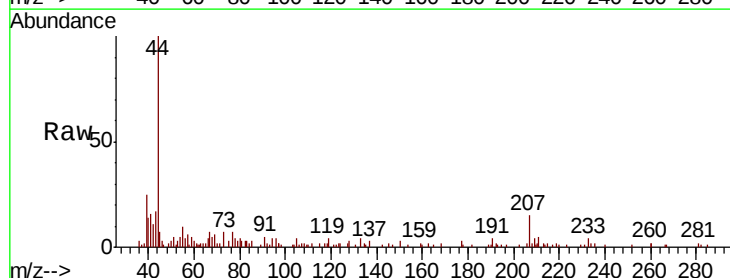
Acq: 23 Apr 2019 16:51

Tgt Ion: 59 Resp: 1769

Ion Ratio Lower Upper

59 100

57 93.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.72

1000

800

600

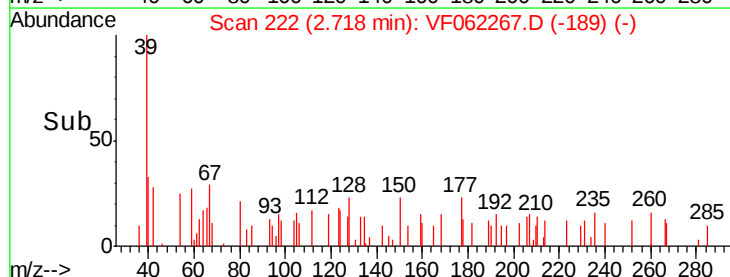
400

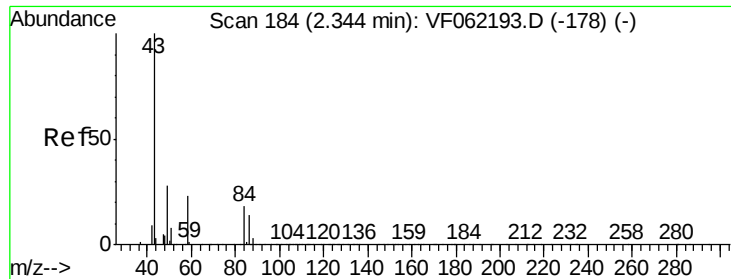
200

0

Time-->

2.60 2.65 2.70 2.75 2.80

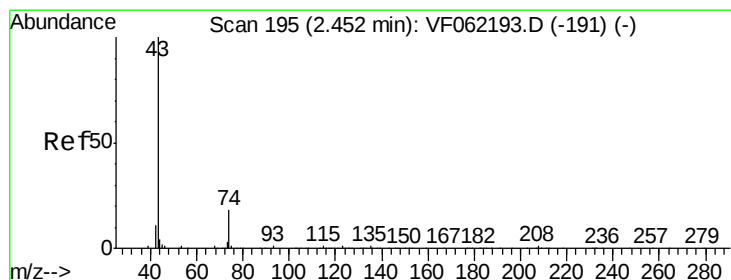
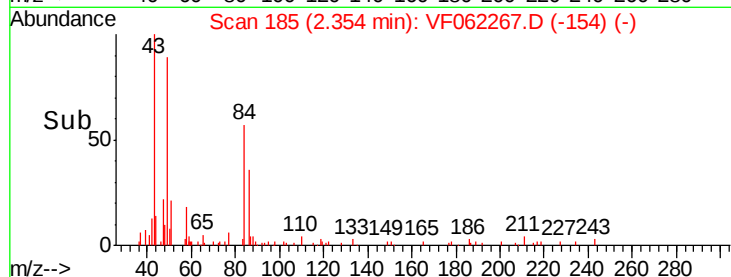
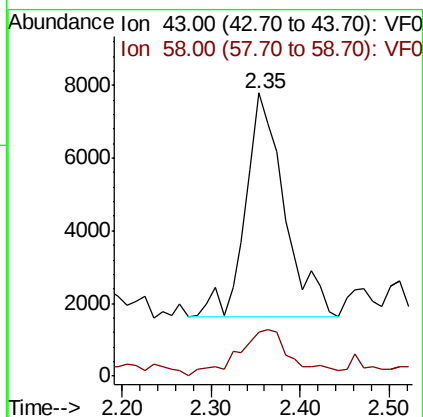
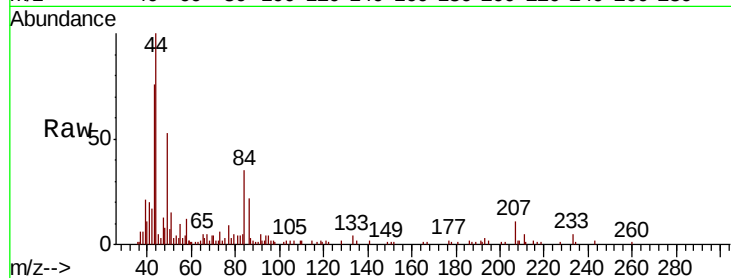




#16
Acetone
Concen: 19.507 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

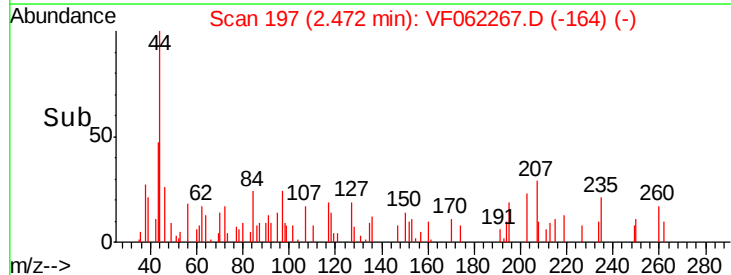
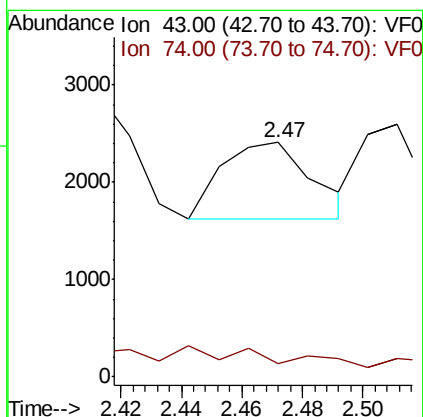
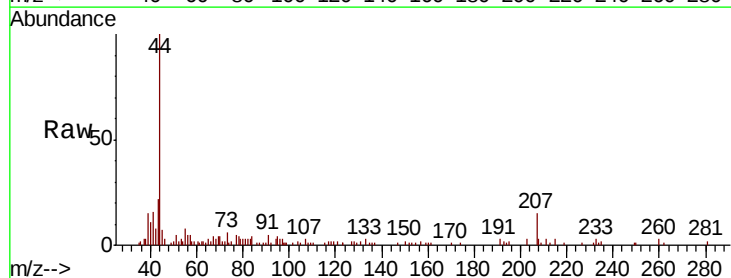
Instrument :
MSVOA_F
ClientSampleId :
PL-01-041819-CRE

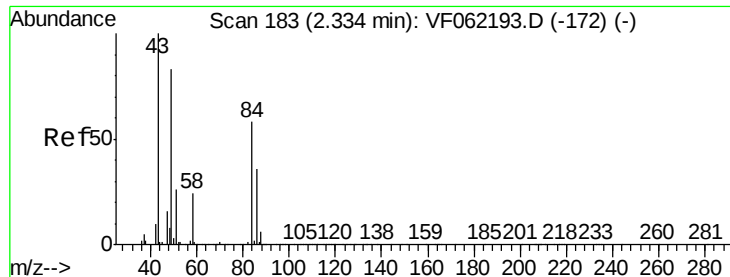
Tgt Ion: 43 Resp: 18716
Ion Ratio Lower Upper
43 100
58 19.5 18.8 28.2



#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

Tgt Ion: 43 Resp: 1629
Ion Ratio Lower Upper
43 100
74 0.0 14.5 21.7#

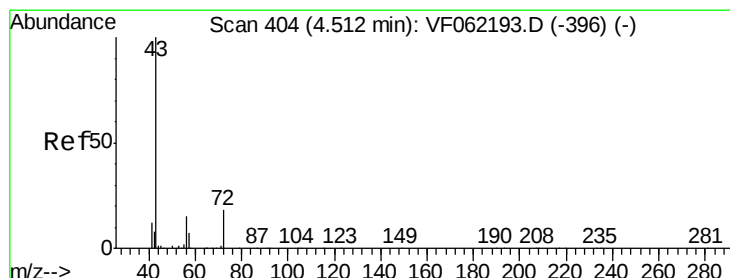
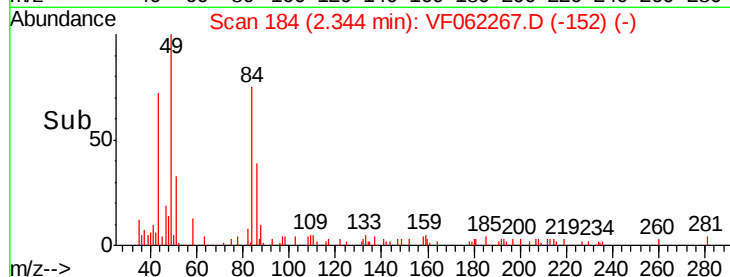
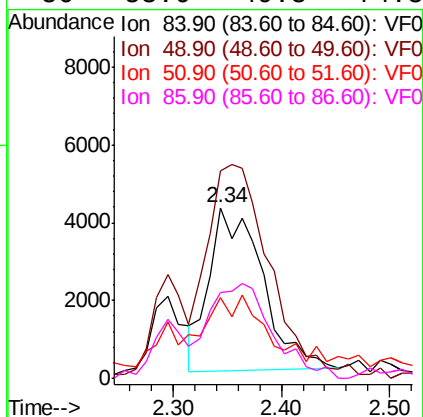
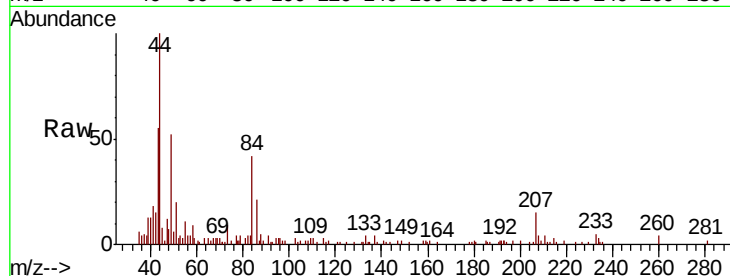




#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

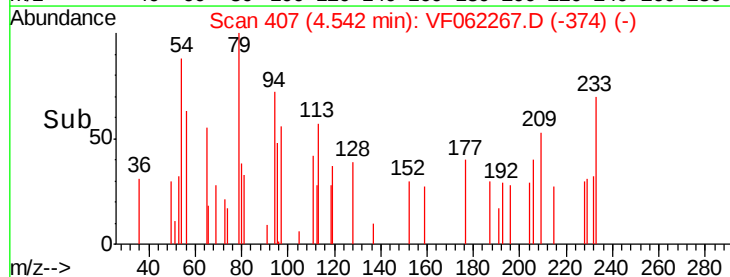
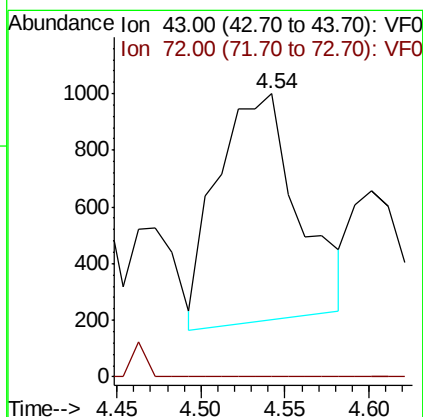
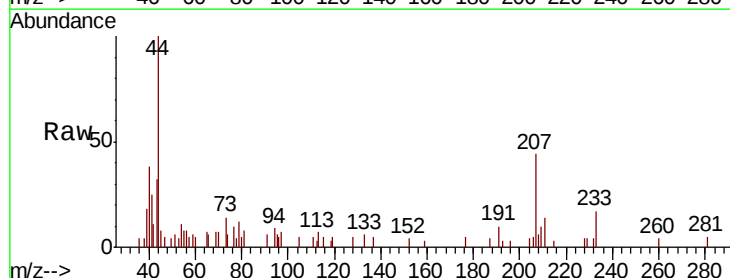
Instrument :
MSVOA_F
ClientSampleId :
PL-01-041819-CRE

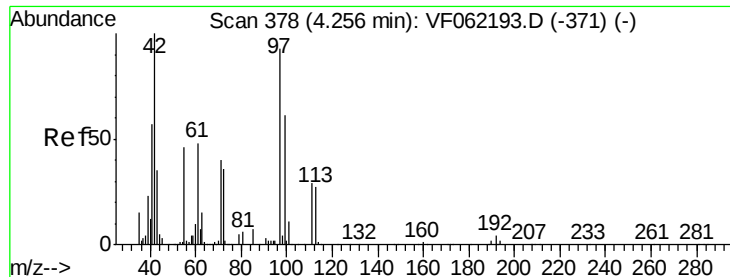
Tgt Ion: 84 Resp: 14375
Ion Ratio Lower Upper
84 100
49 123.6 114.0 171.0
51 35.9 37.0 55.4#
86 53.6 49.8 74.8



#25
2-Butanone
Concen: 1.401 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.03 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#





#29

Tetrahydrofuran

Concen: 2.220 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF062267.D

Acq: 23 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

PL-01-041819-CRE

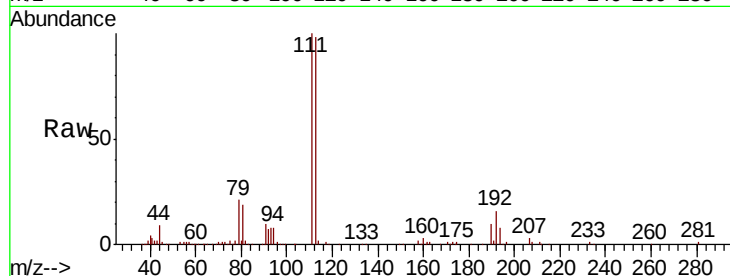
Tgt Ion: 42 Resp: 1928

Ion Ratio Lower Upper

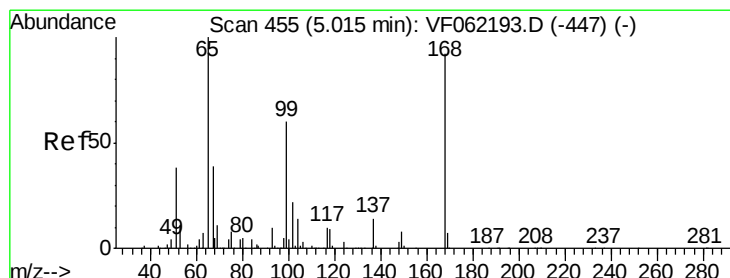
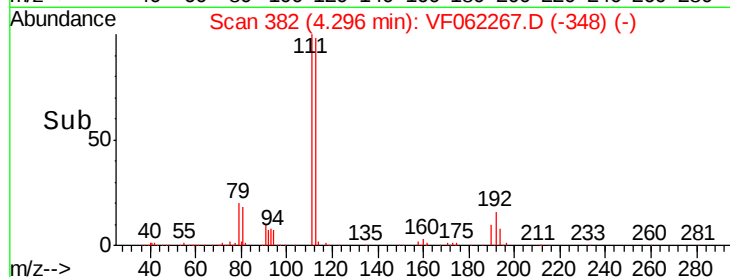
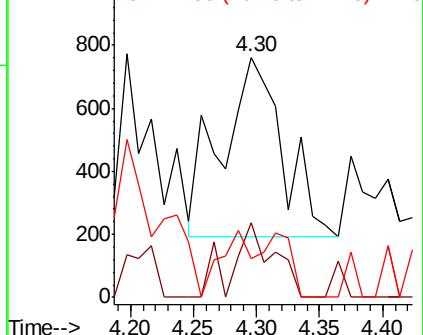
42 100

72 28.3 28.6 43.0#

71 18.0 29.2 43.8#



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: Below ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062267.D

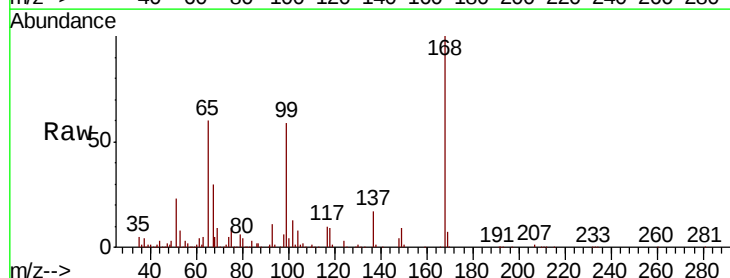
Acq: 23 Apr 2019 16:51

Tgt Ion: 65 Resp: 158985

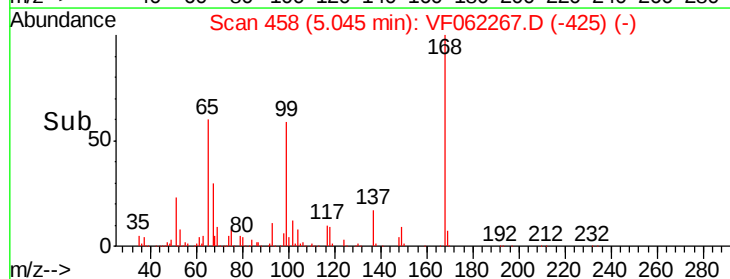
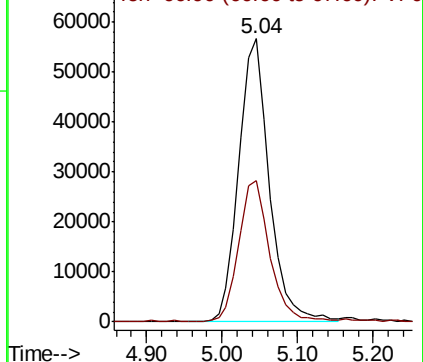
Ion Ratio Lower Upper

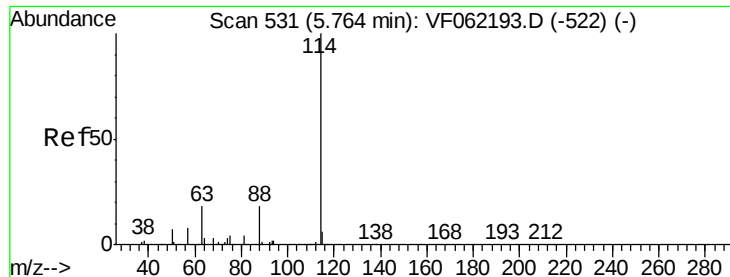
65 100

67 51.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0
Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062267.D

Acq: 23 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

PL-01-041819-CRE

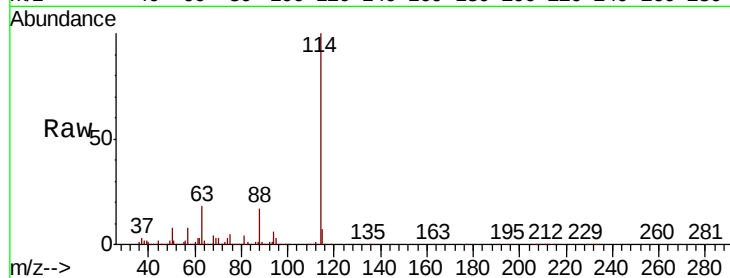
Tgt Ion:114 Resp: 582577

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

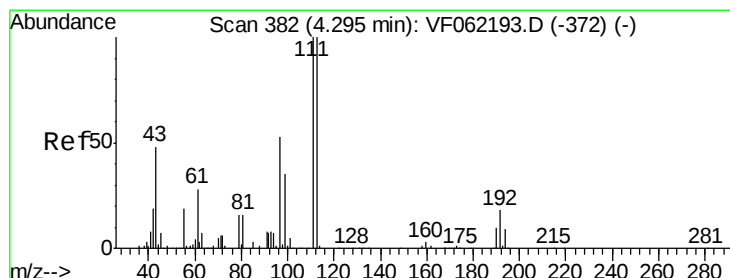
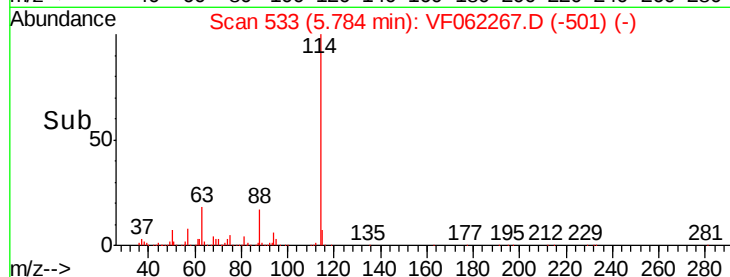
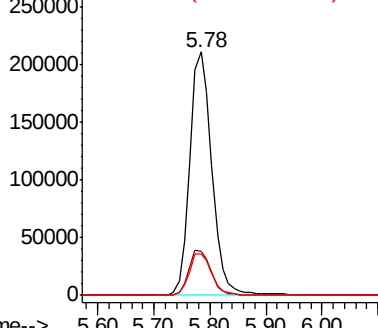
88 17.1 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062267.D

Acq: 23 Apr 2019 16:51

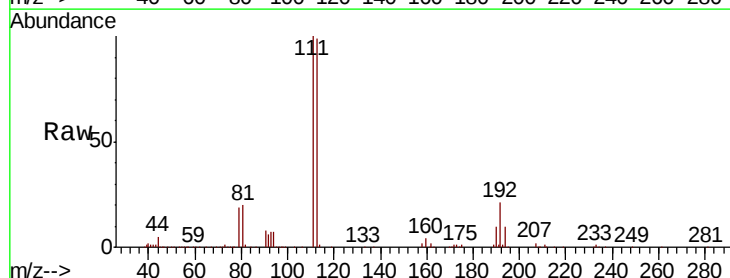
Tgt Ion:113 Resp: 209106

Ion Ratio Lower Upper

113 100

111 100.0 81.1 121.7

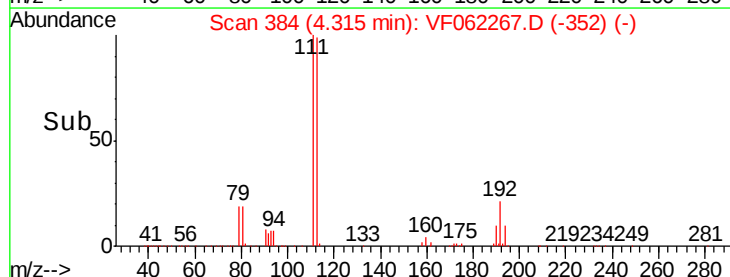
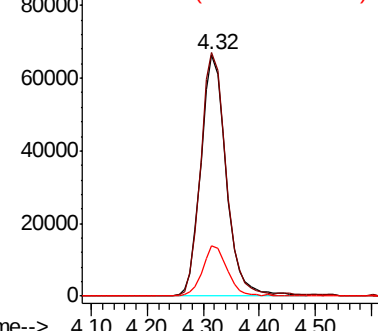
192 20.4 14.7 22.1

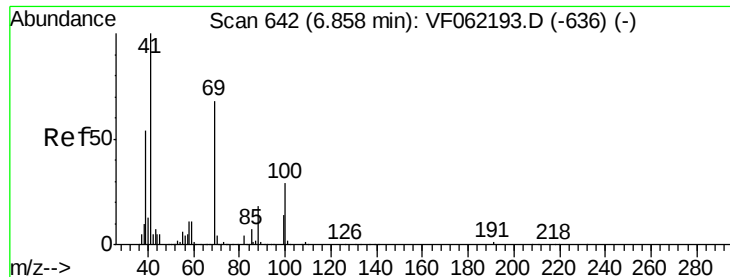


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

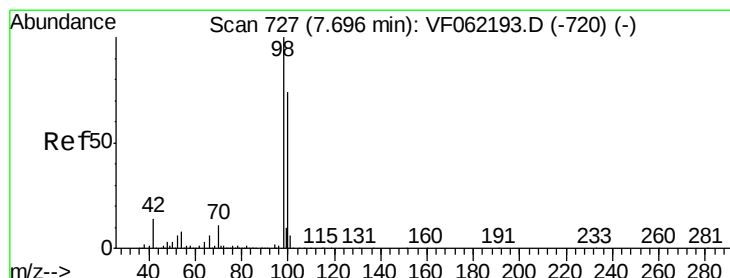
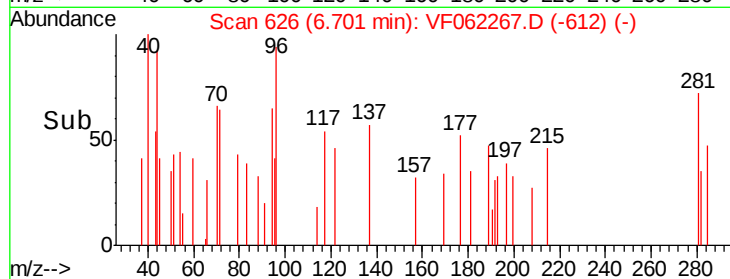
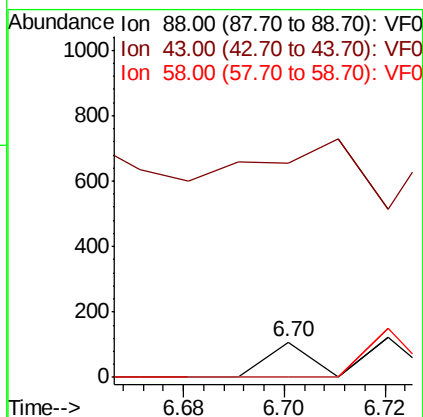
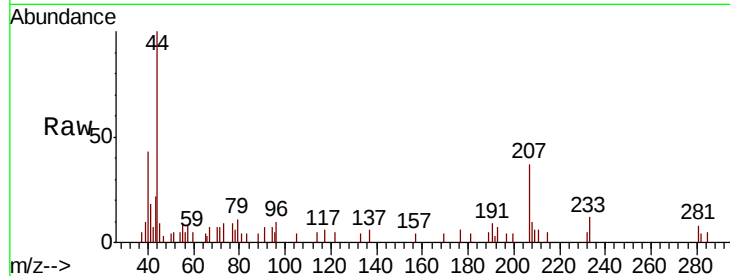




#49
1,4-Dioxane
Concen: 2.450 ug/l
RT: 6.70 min Scan# 626
Delta R.T. -0.16 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

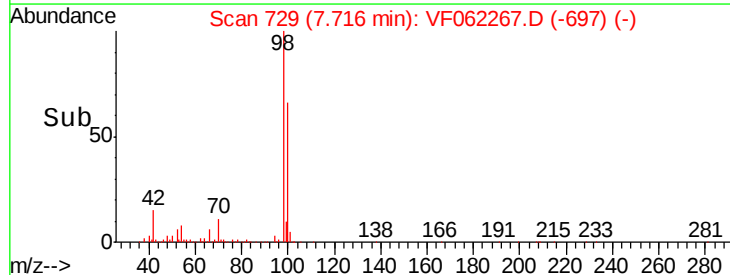
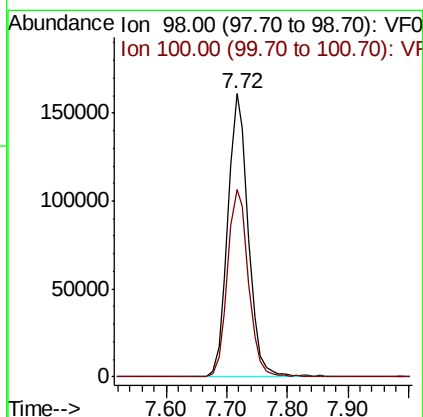
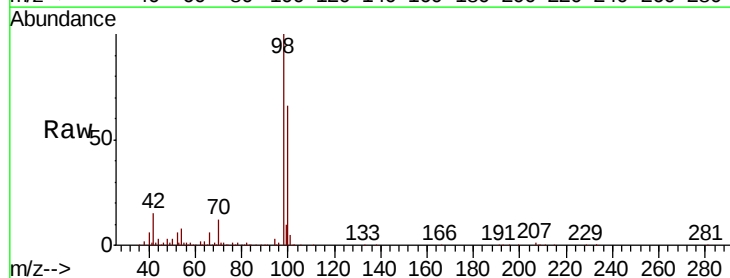
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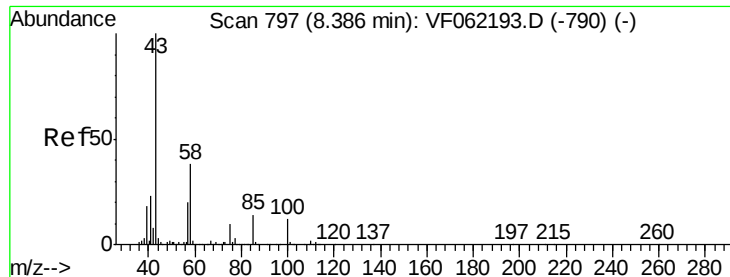
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 36.9 55.3#
58 0.0 56.8 85.2#



#50
Toluene-d8
Concen: 2.450 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

Tgt Ion: 98 Resp: 378854
Ion Ratio Lower Upper
98 100
100 67.7 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.013 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062267.D

Acq: 23 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

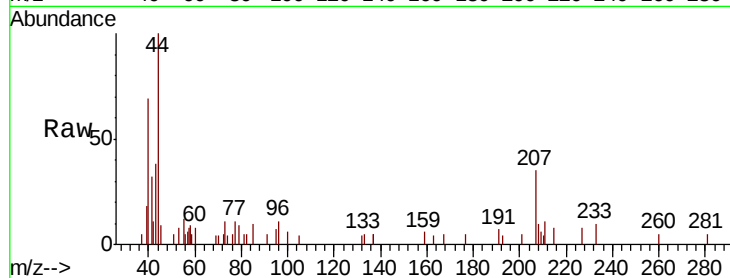
PL-01-041819-CRE

Tgt Ion: 43 Resp: 2612

Ion Ratio Lower Upper

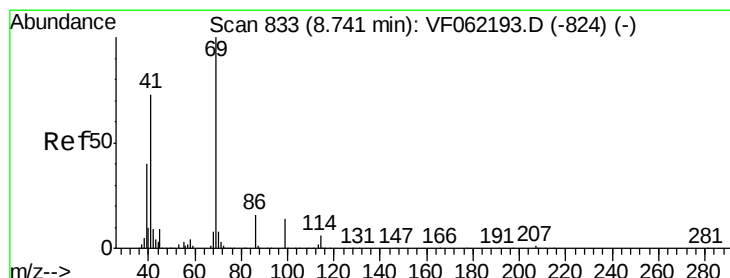
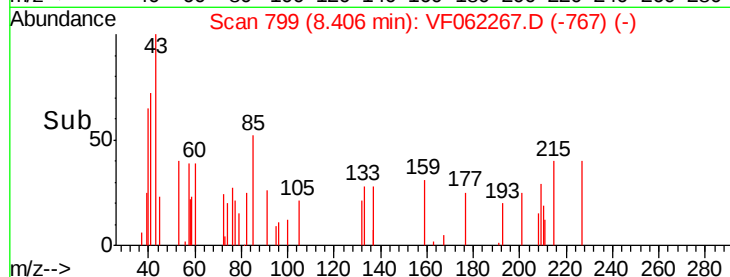
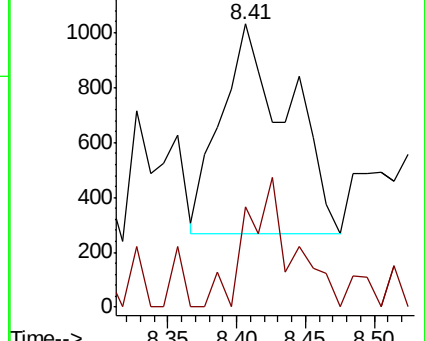
43 100

58 41.7 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 1.150 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.03 min

Lab File: VF062267.D

Acq: 23 Apr 2019 16:51

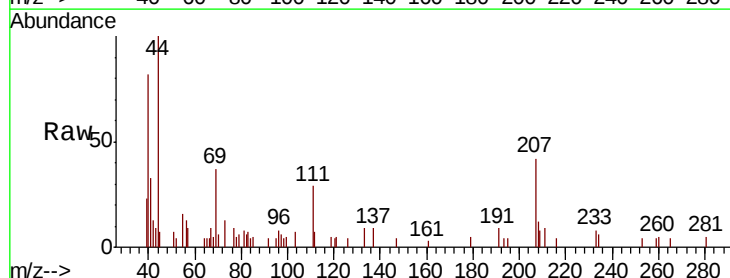
Tgt Ion: 69 Resp: 3537

Ion Ratio Lower Upper

69 100

41 73.7 61.5 92.3

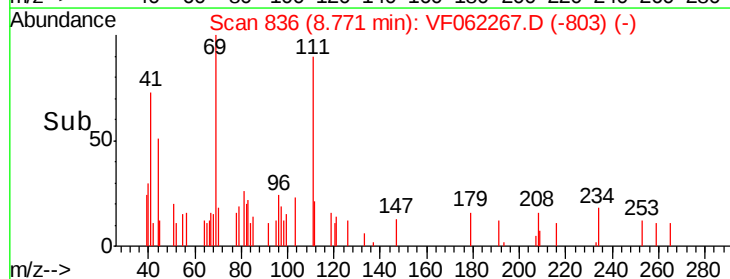
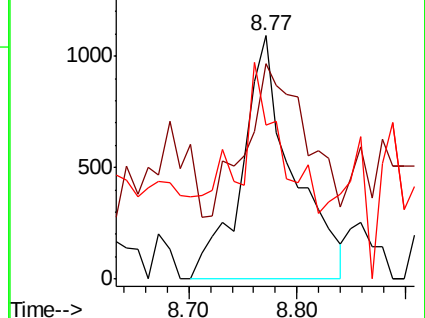
39 34.5 33.3 49.9

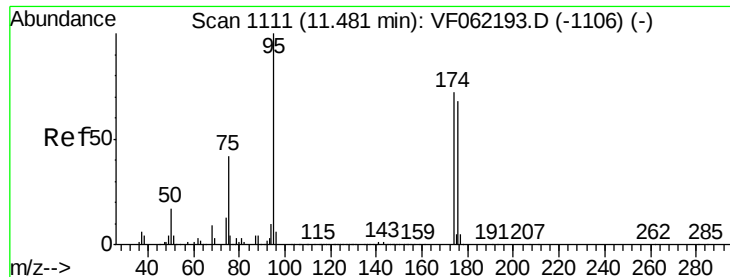


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

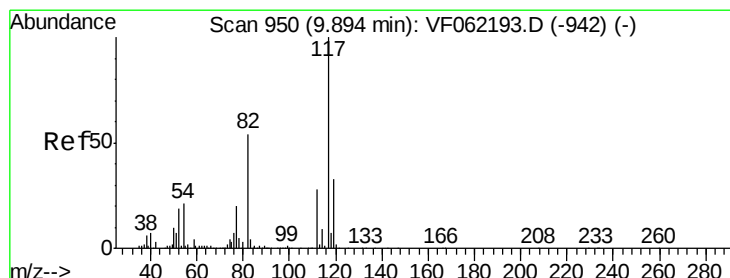
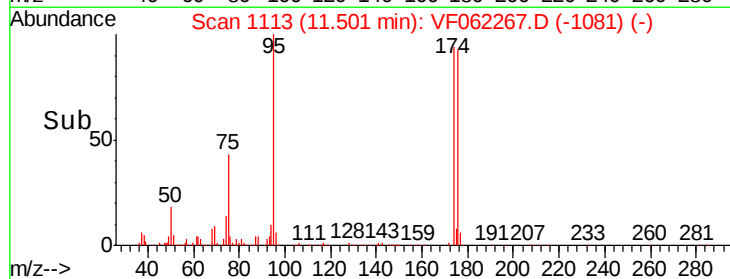
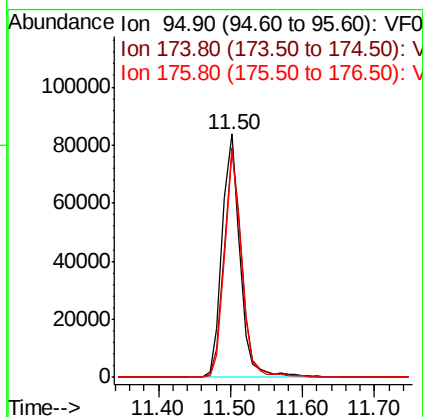
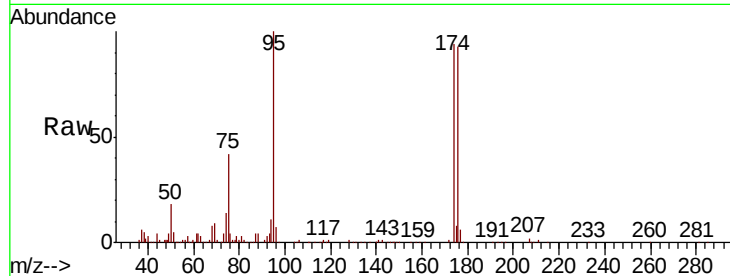




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

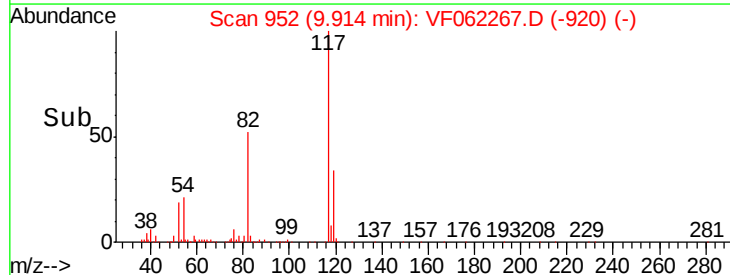
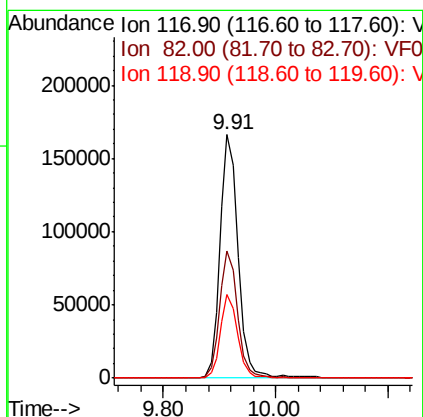
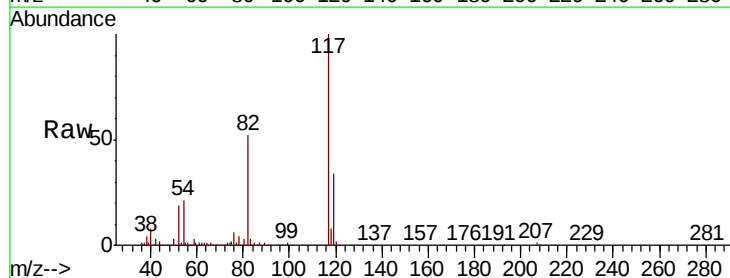
Instrument :
MSVOA_F
ClientSampleId :
PL-01-041819-CRE

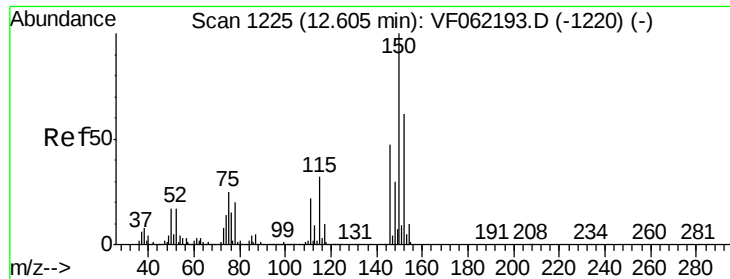
Tgt Ion: 95 Resp: 144079
Ion Ratio Lower Upper
95 100
174 93.4 0.0 159.4
176 89.4 0.0 155.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

Tgt Ion: 117 Resp: 376447
Ion Ratio Lower Upper
117 100
82 52.1 43.2 64.8
119 34.3 26.2 39.4



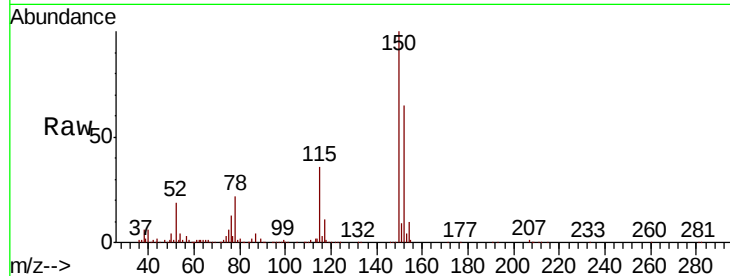


#72

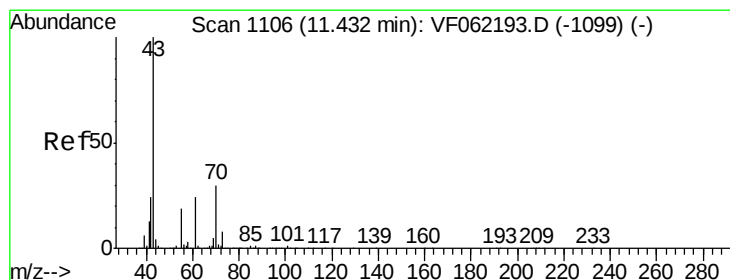
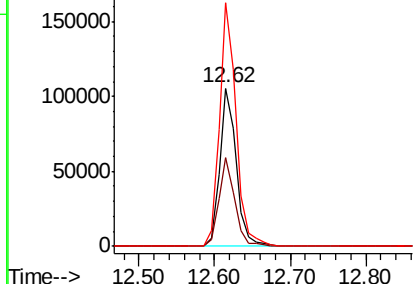
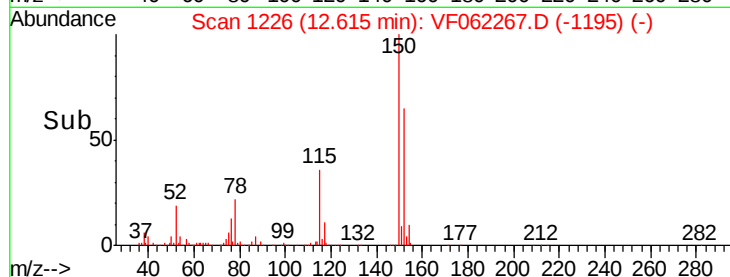
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :
PL-01-041819-CRE

Tgt Ion: 152 Resp: 162429
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.3
150 154.3 0.0 341.8



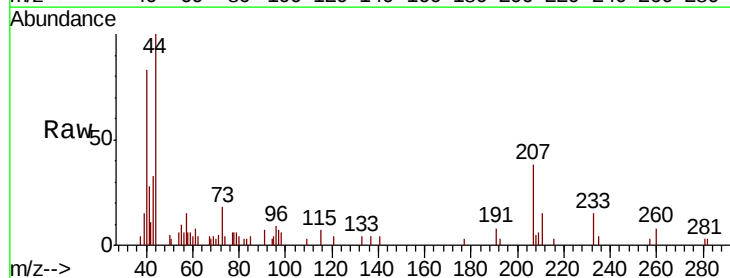
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



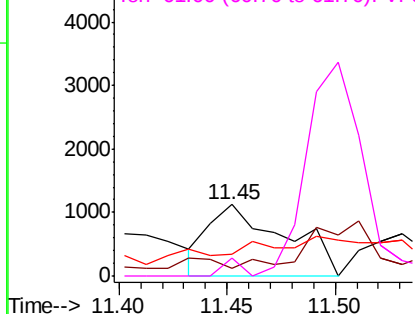
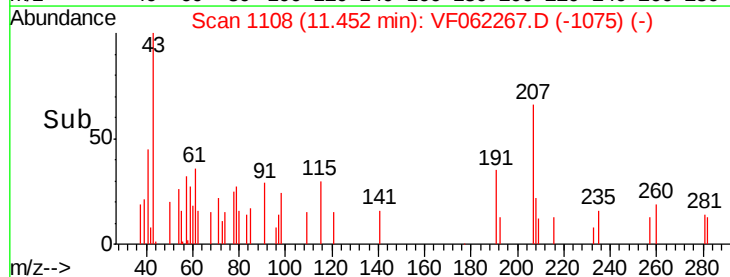
#74

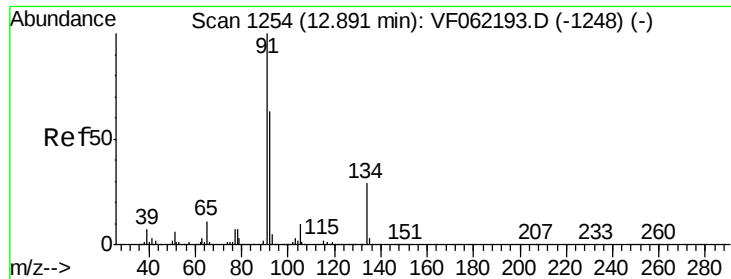
N-ethyl acetate
Concen: Below Cal
RT: 11.45 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VF062267.D
Acq: 23 Apr 2019 16:51

Tgt Ion: 43 Resp: 2769
Ion Ratio Lower Upper
43 100
70 12.8 27.0 40.4#
55 10.9 15.7 23.5#
61 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 70.00 (69.70 to 70.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062267.D

Acq: 23 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

PL-01-041819-CRE

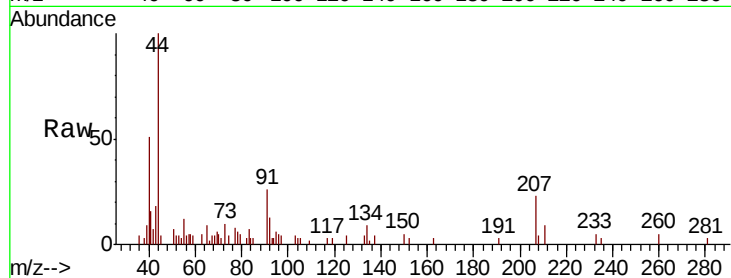
Tgt Ion: 91 Resp: 1864

Ion Ratio Lower Upper

91 100

92 47.7 31.2 93.6

134 28.2 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

