

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062658.D
 Acq On : 20 May 2019 14:05
 Operator : FY/SY
 Sample : K2643-07RE
 Misc : 5.41g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-051619-BRE

Quant Time: May 21 02:01:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	840804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1482736	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1027016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	482095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	226174	38.07	ug/l	0.00
Spiked Amount			Recovery	=	76.14%	
35) Dibromofluoromethane	4.33	113	419218	36.95	ug/l	0.00
Spiked Amount			Recovery	=	73.90%	
50) Toluene-d8	7.73	98	848179	31.31	ug/l	0.00
Spiked Amount			Recovery	=	62.62%	
62) 4-Bromofluorobenzene	11.50	95	309479	30.12	ug/l	0.00
Spiked Amount			Recovery	=	60.24%	

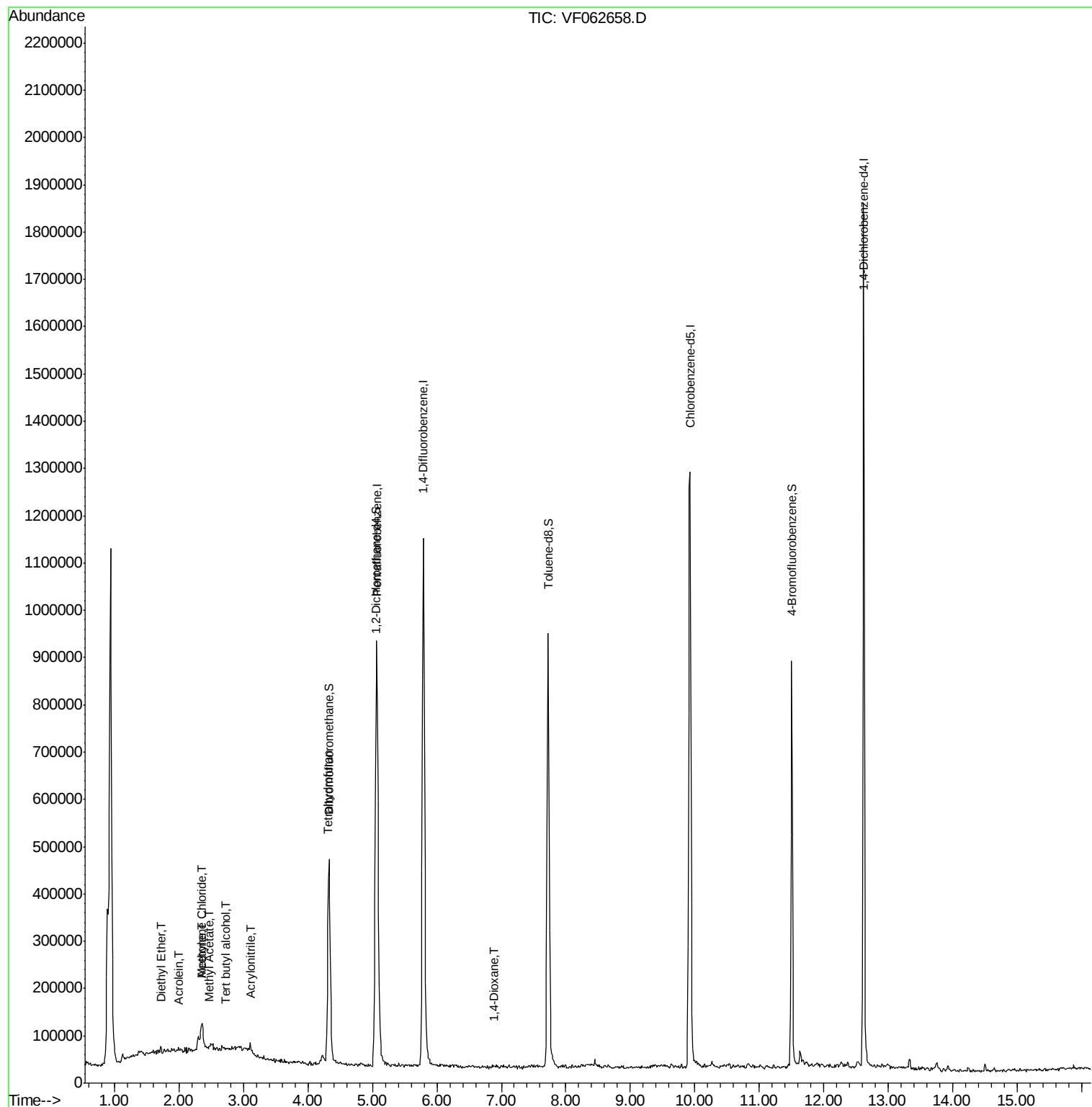
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.72	74	3309	1.283	ug/l	98
11) Tert butyl alcohol	2.72	59	2806	7.153	ug/l #	1
13) Acrolein	2.01	56	1163	2.840	ug/l	99
15) Acrylonitrile	3.12	53	1441	1.302	ug/l #	52
16) Acetone	2.37	43	48315	31.344	ug/l	94
18) Methyl Acetate	2.47	43	14624	6.037	ug/l #	68
20) Methylene Chloride	2.36	84	23736	3.072	ug/l #	83
29) Tetrahydrofuran	4.31	42	2356	1.768	ug/l #	74
49) 1,4-Dioxane	6.89	88	585	10.873	ug/l #	1
59) 2-Hexanone	9.63	43	6138	Below Cal		94
74) N-amyl acetate	11.45	43	4354	Below Cal	#	72

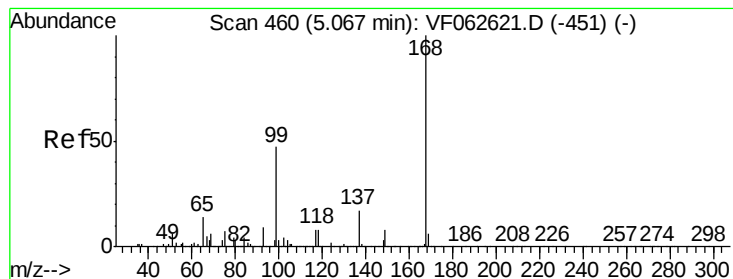
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052019\
Data File : VF062658.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062658.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

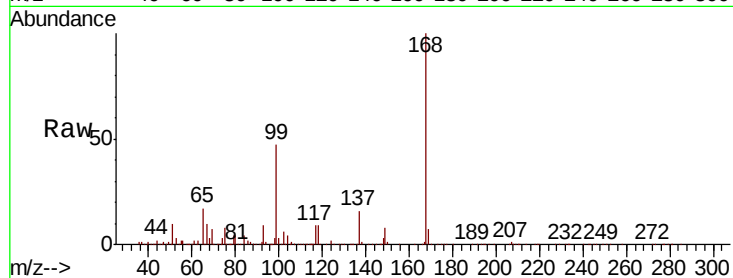
OR-02-051619-BRE

Tot Ion:168 Resp: 840804

Ion Ratio Lower Upper

168 100

99 47.4 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

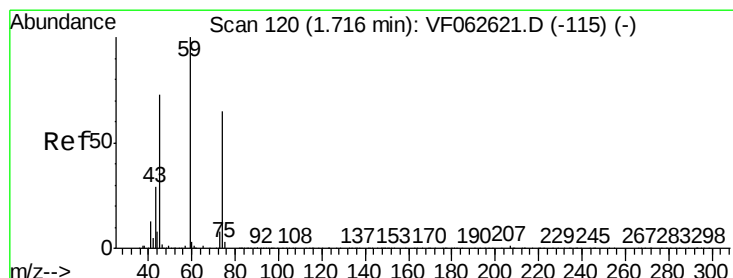
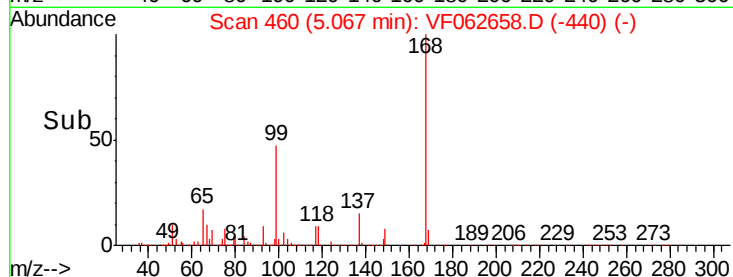
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#8

Diethyl Ether

Concen: 1.283 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062658.D

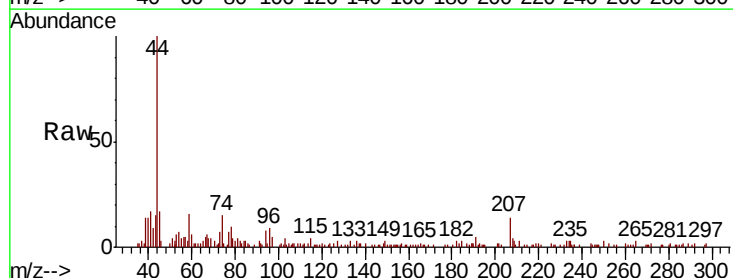
Acq: 20 May 2019 14:05

Tgt Ion: 74 Resp: 3309

Ion Ratio Lower Upper

74 100

45 111.5 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

2500

2000

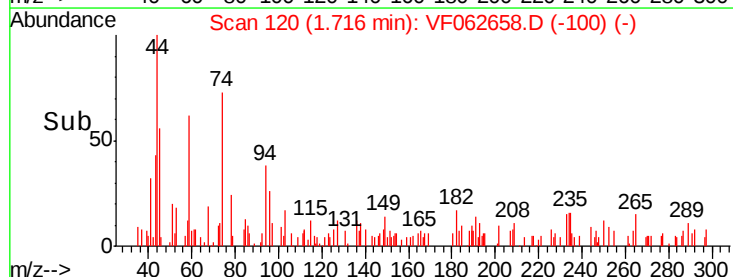
1500

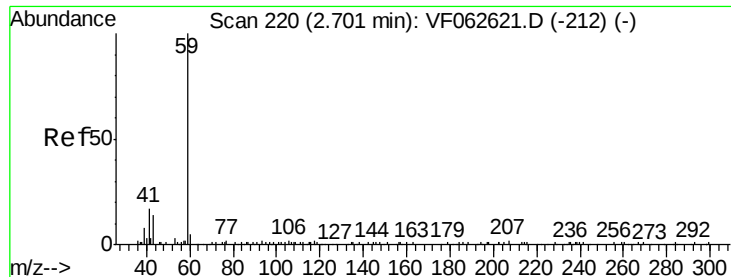
1000

500

0

Time--> 1.65 1.70 1.75

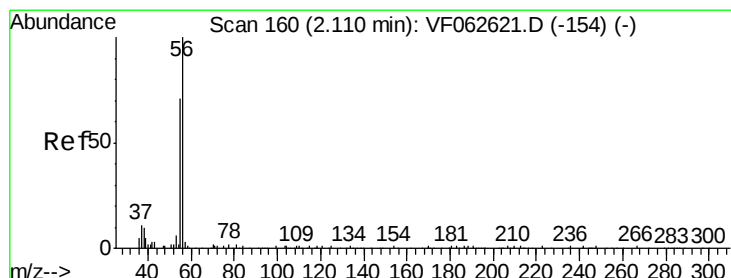
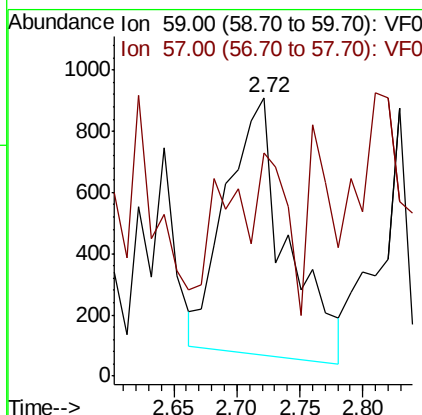
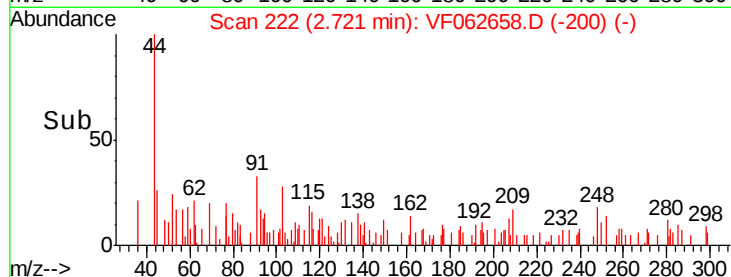
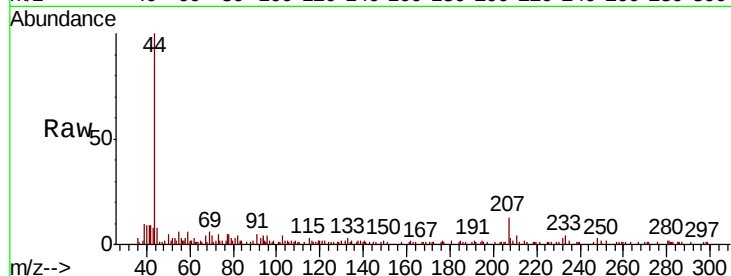




#11
Tert butyl alcohol
Concen: 7.153 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

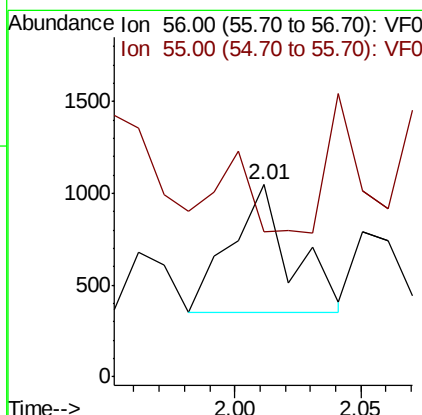
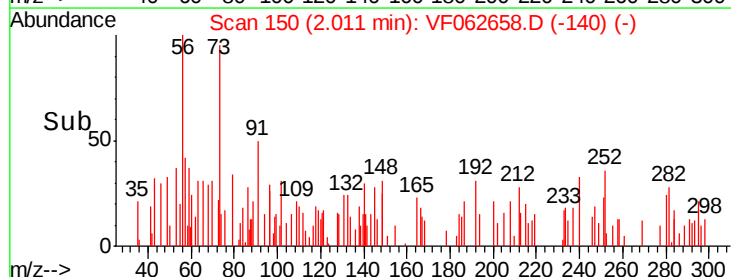
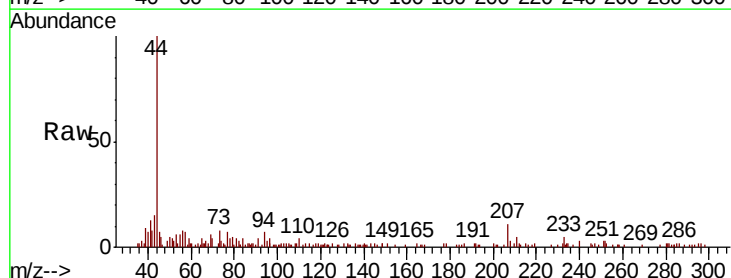
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-BRE

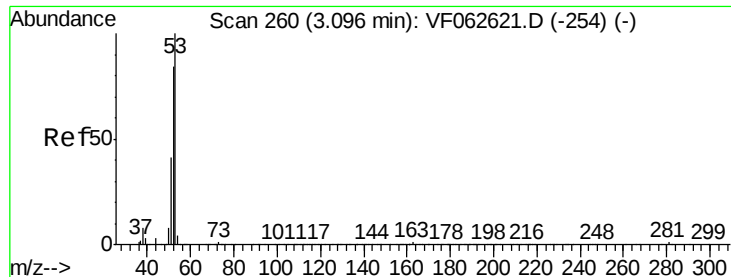
Tot Ion: 59 Resp: 2806
Ion Ratio Lower Upper
59 100
57 79.9 9.3 13.9#



#13
Acrolein
Concen: 2.840 ug/l
RT: 2.01 min Scan# 150
Delta R.T. -0.10 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

Tgt Ion: 56 Resp: 1163
Ion Ratio Lower Upper
56 100
55 75.4 59.4 89.0





#15

Acrylonitrile

Concen: 1.302 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062658.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-BRE

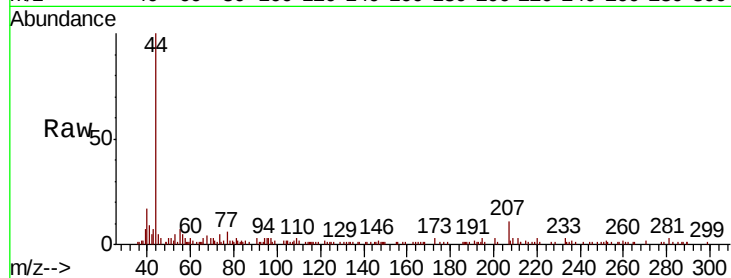
Tot Ion: 53 Resp: 1441

Ion Ratio Lower Upper

53 100

52 35.4 67.3 100.9#

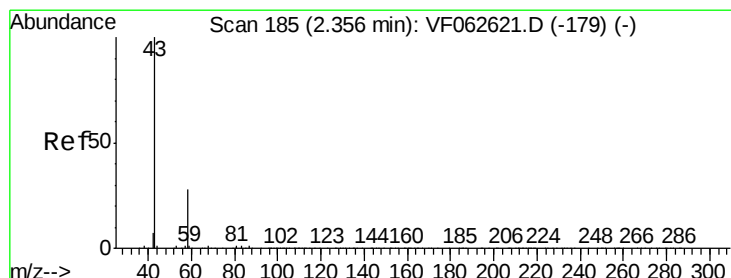
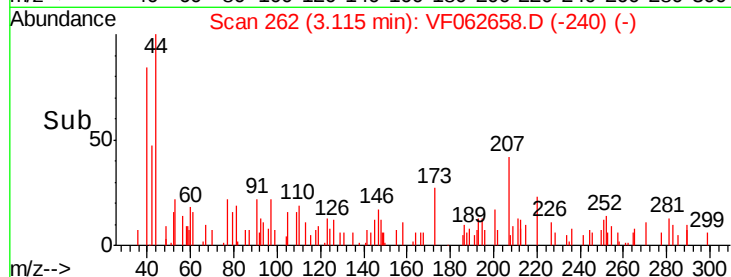
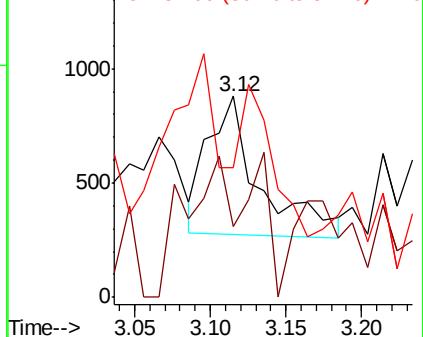
51 64.3 33.0 49.6#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 31.344 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062658.D

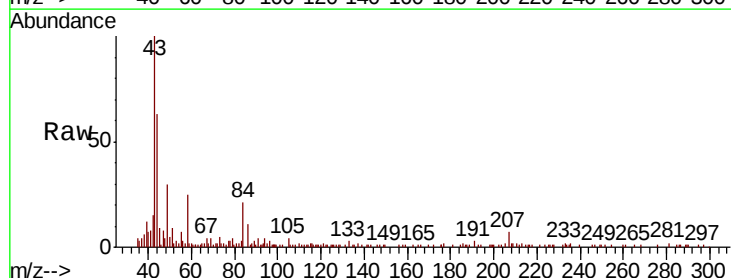
Acq: 20 May 2019 14:05

Tgt Ion: 43 Resp: 48315

Ion Ratio Lower Upper

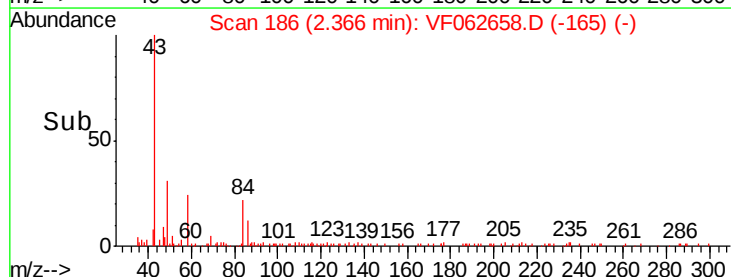
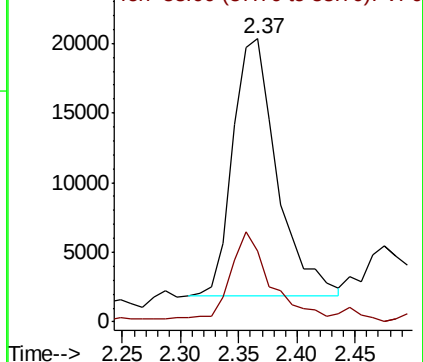
43 100

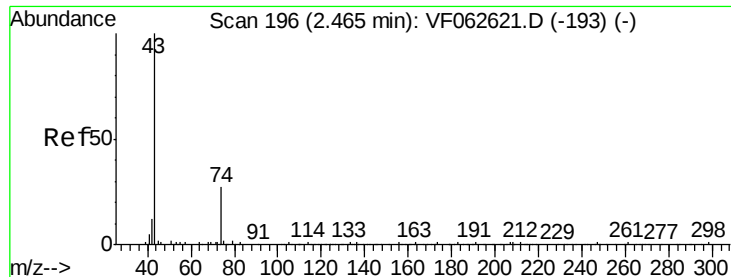
58 25.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

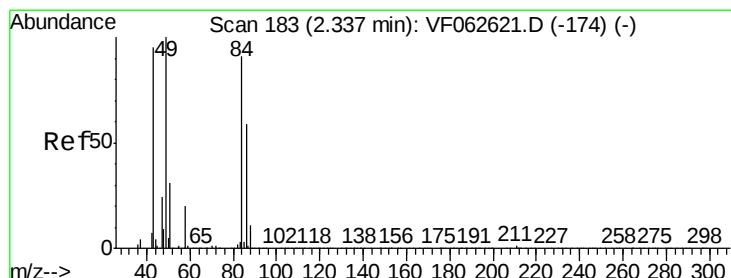
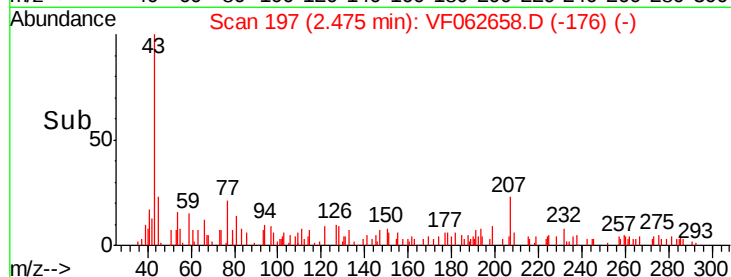
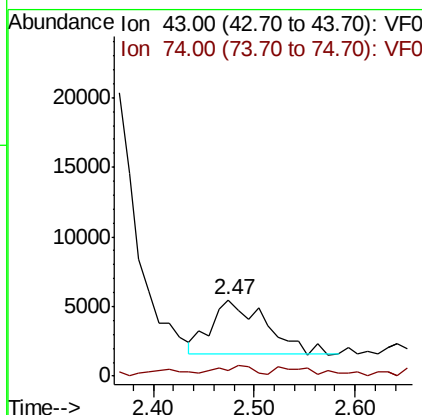
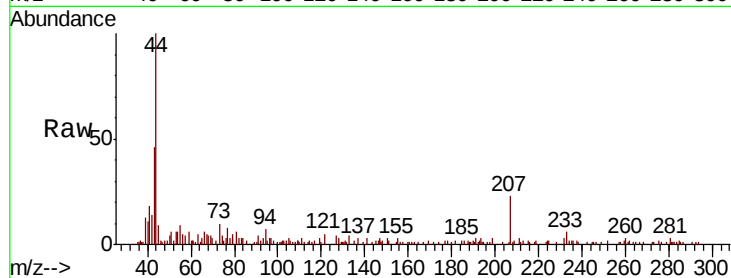




#18
Methyl Acetate
Concen: 6.037 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

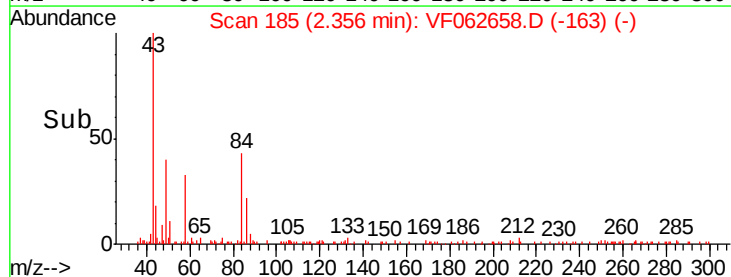
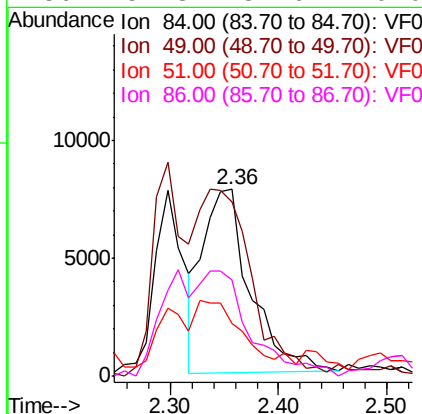
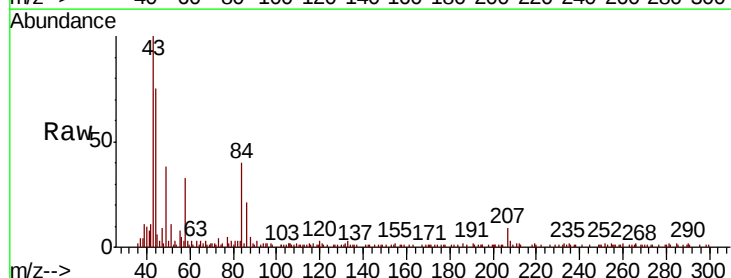
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-BRE

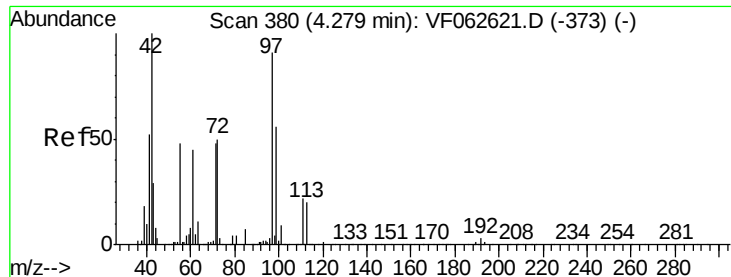
Tot Ion: 43 Resp: 14624
Ion Ratio Lower Upper
43 100
74 8.1 18.9 28.3#



#20
Methylene Chloride
Concen: 3.072 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

Tgt Ion: 84 Resp: 23736
Ion Ratio Lower Upper
84 100
49 93.7 89.8 134.8
51 27.9 28.4 42.6#
86 51.3 52.6 79.0#





#29

Tetrahydrofuran

Concen: 1.768 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.03 min

Lab File: VF062658.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-BRE

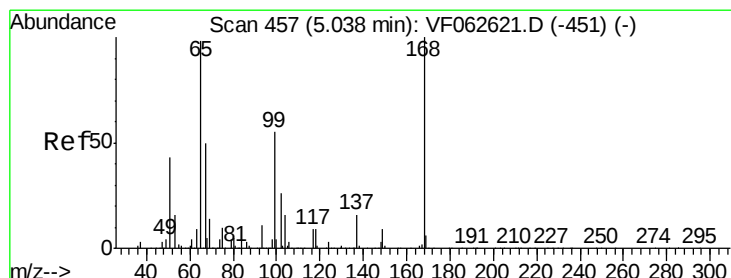
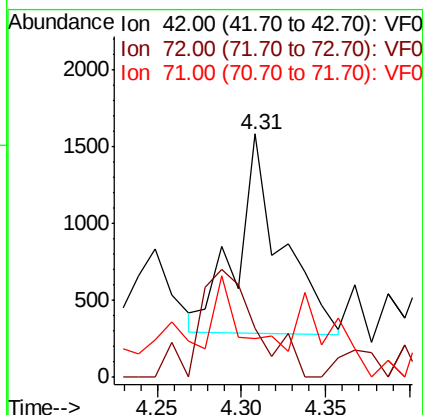
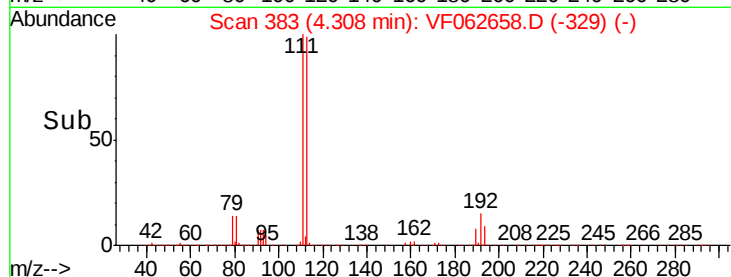
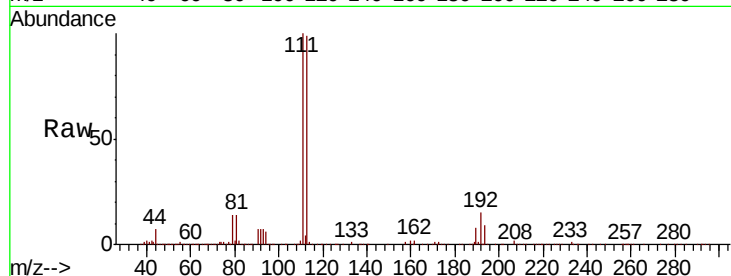
Tot Ion: 42 Resp: 2356

Ion Ratio Lower Upper

42 100

72 71.8 38.2 57.2#

71 55.1 35.8 53.6#



#33

1,2-Dichloroethane-d4

Concen: 38.067 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062658.D

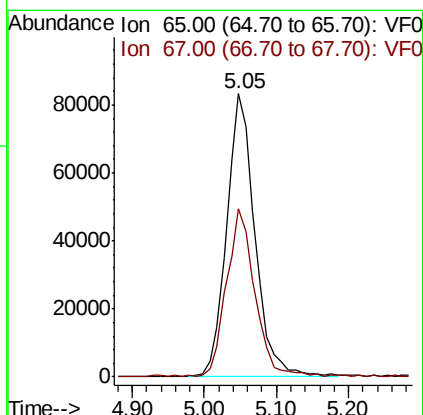
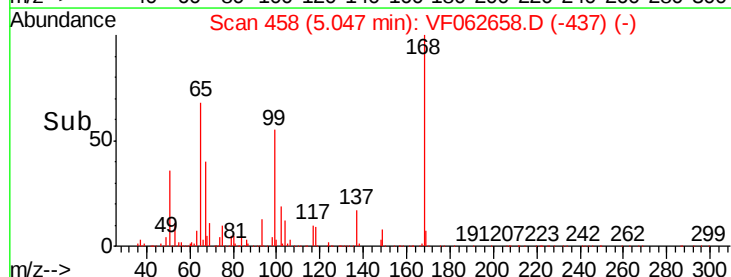
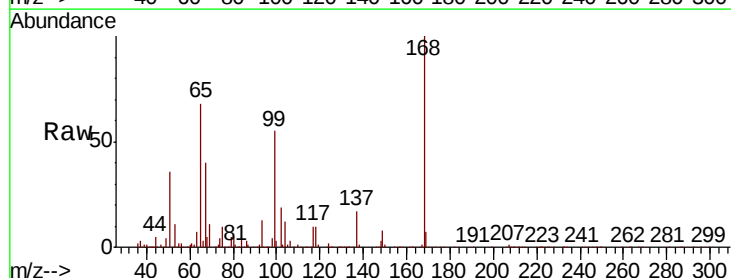
Acq: 20 May 2019 14:05

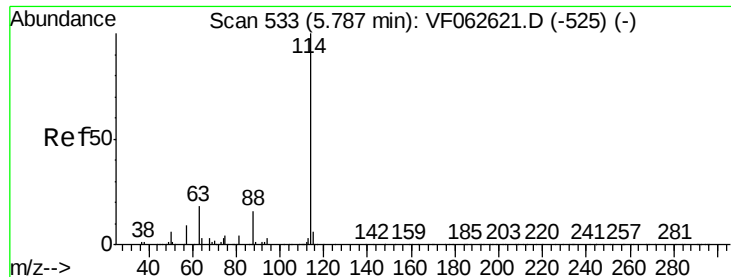
Tgt Ion: 65 Resp: 226174

Ion Ratio Lower Upper

65 100

67 59.4 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062658.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_F

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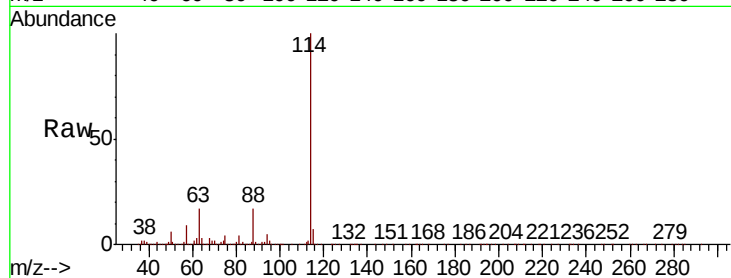
Tot Ion:114 Resp: 1482736

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

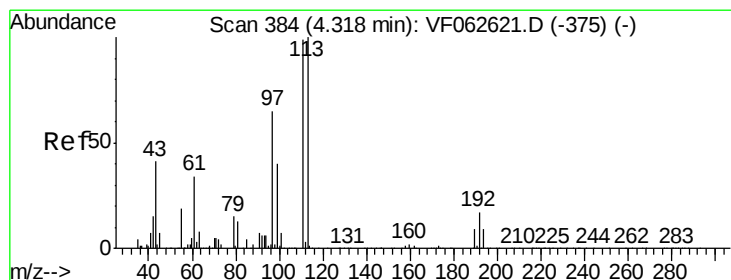
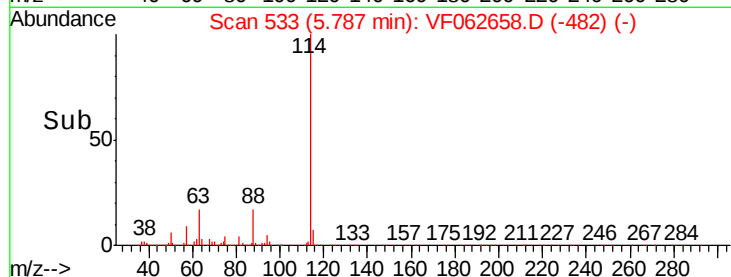
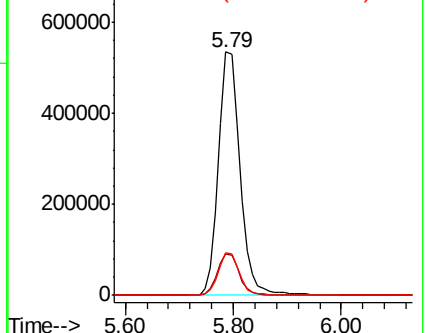
88 17.4 0.0 32.4



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: 36.949 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062658.D

Acq: 20 May 2019 14:05

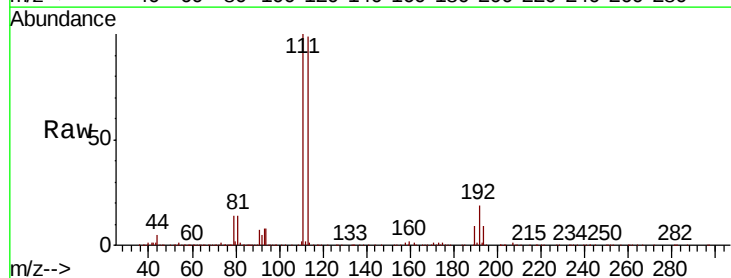
Tgt Ion:113 Resp: 419218

Ion Ratio Lower Upper

113 100

111 100.6 79.4 119.2

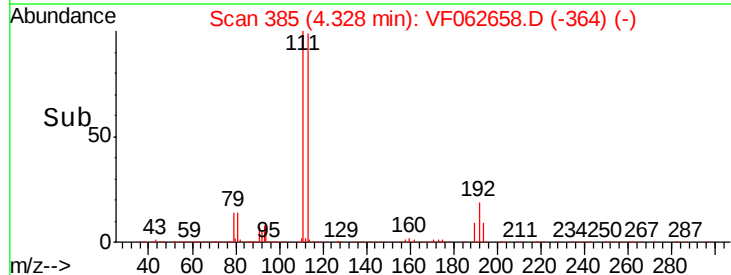
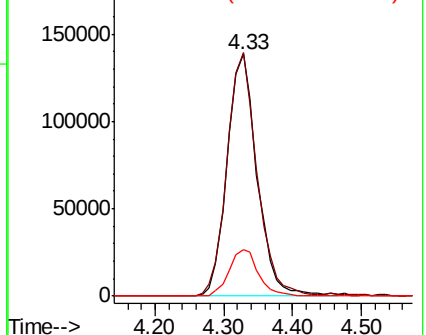
192 19.0 13.4 20.2

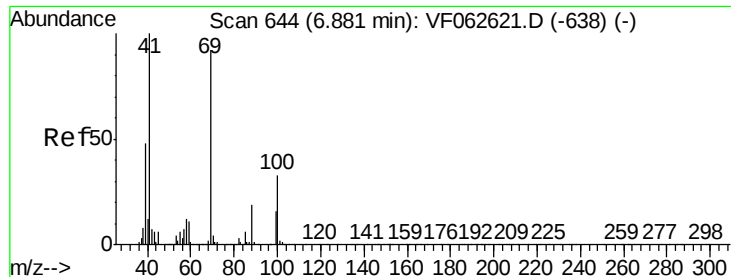


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

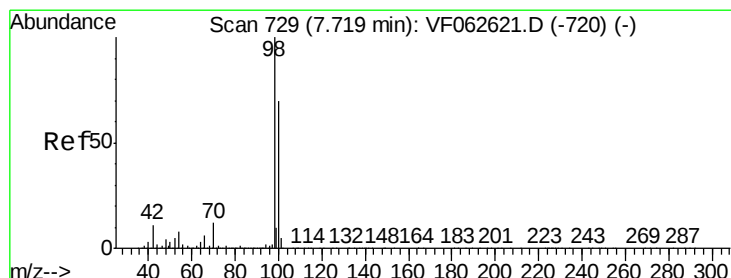
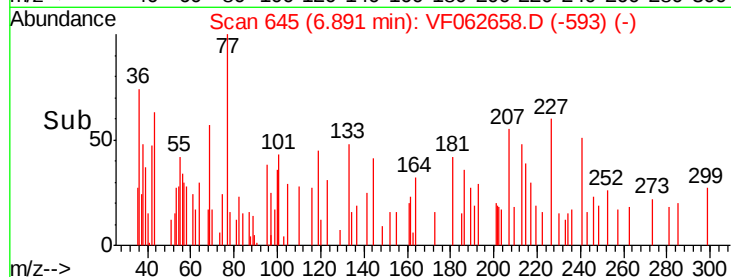
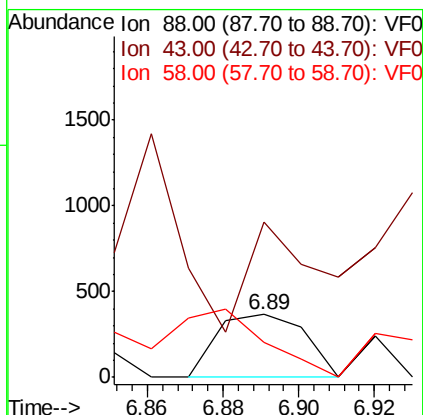
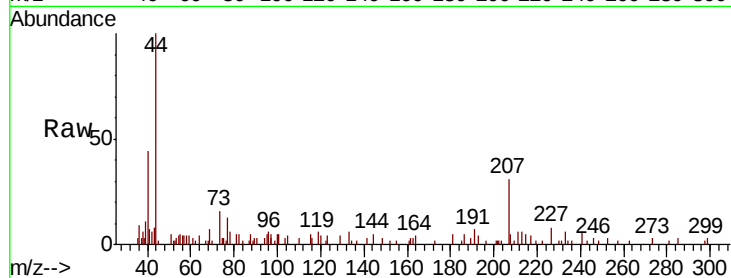




#49
1,4-Dioxane
Concen: 10.873 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

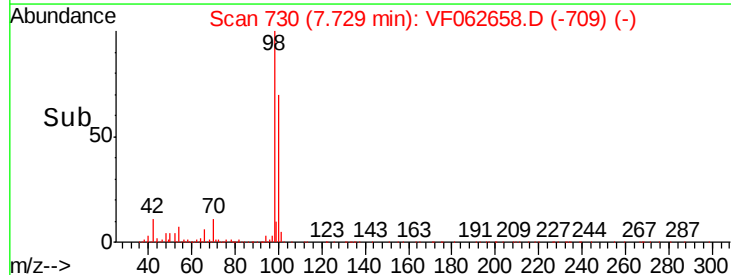
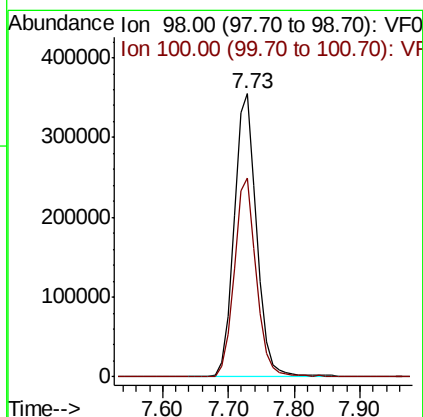
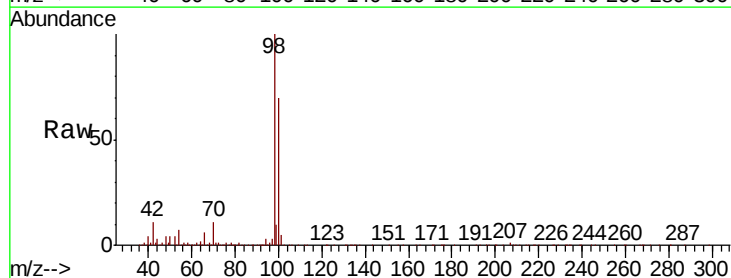
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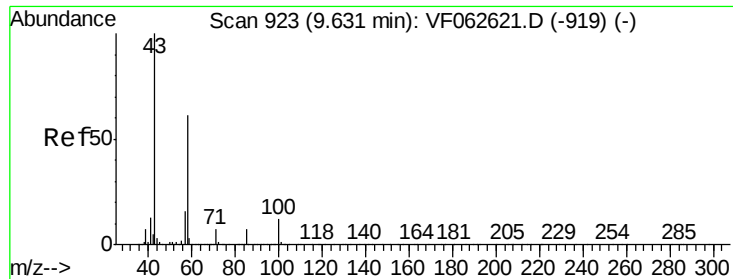
Tot Ion: 88 Resp: 585
Ion Ratio Lower Upper
88 100
43 247.9 30.0 45.0#
58 55.1 51.1 76.7



#50
Toluene-d8
Concen: 31.310 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

Tgt Ion: 98 Resp: 848179
Ion Ratio Lower Upper
98 100
100 70.2 56.2 84.2

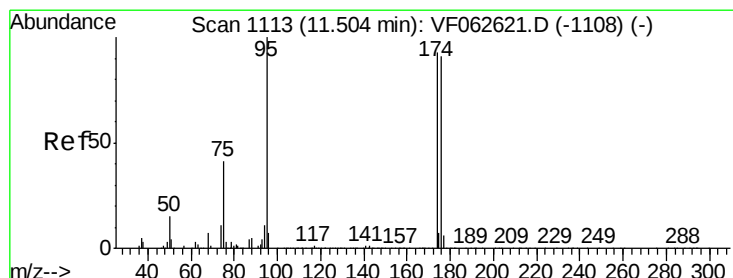
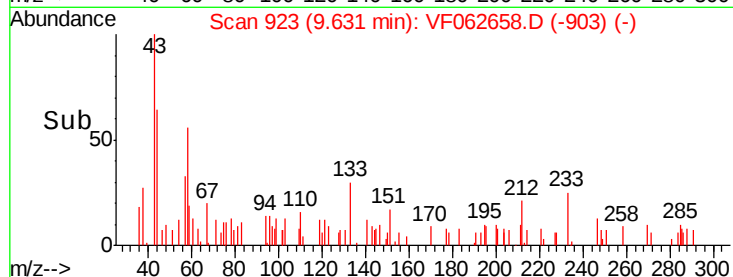
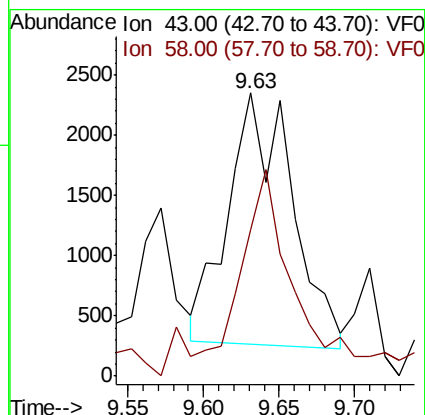
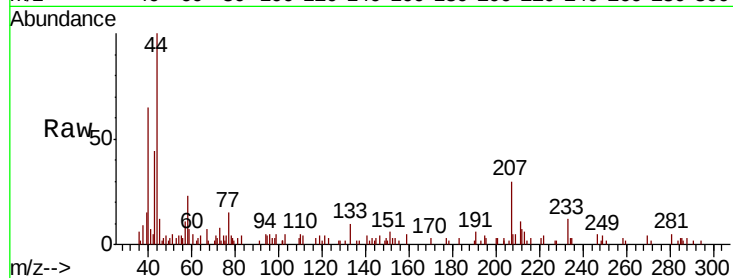




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

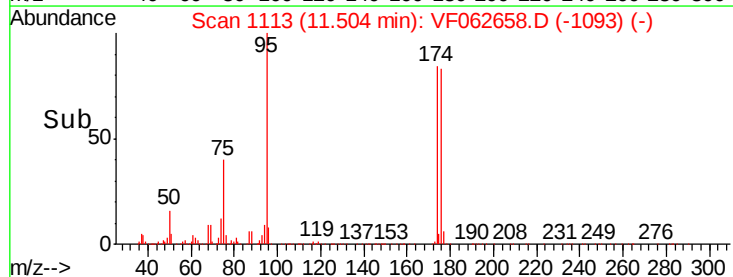
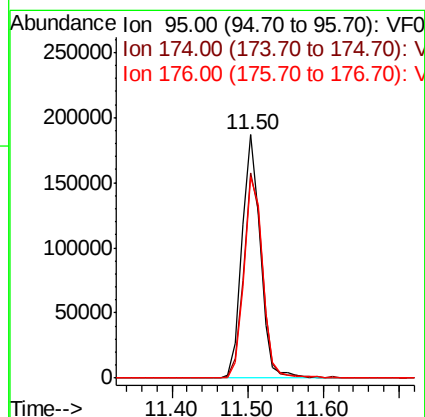
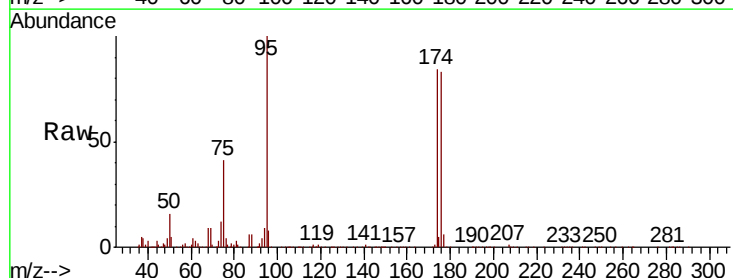
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-BRE

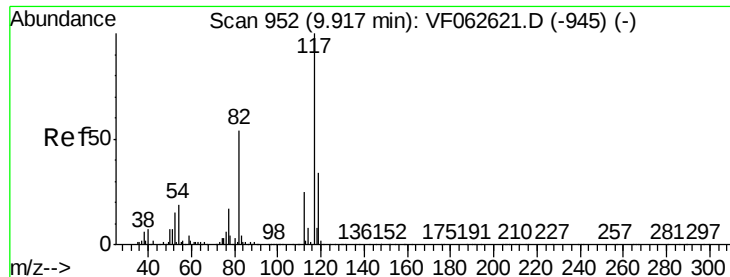
Tot Ion: 43 Resp: 6138
Ion Ratio Lower Upper
43 100
58 51.7 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 30.122 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

Tgt Ion: 95 Resp: 309479
Ion Ratio Lower Upper
95 100
174 84.4 0.0 185.6
176 82.8 0.0 182.4

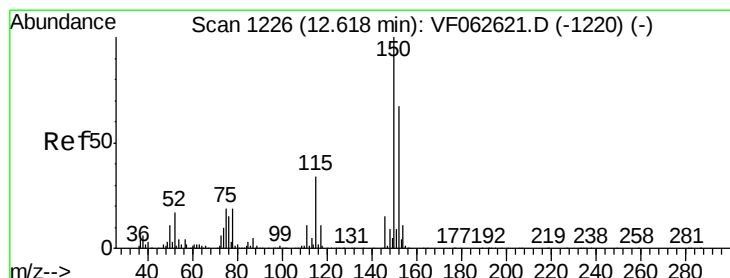
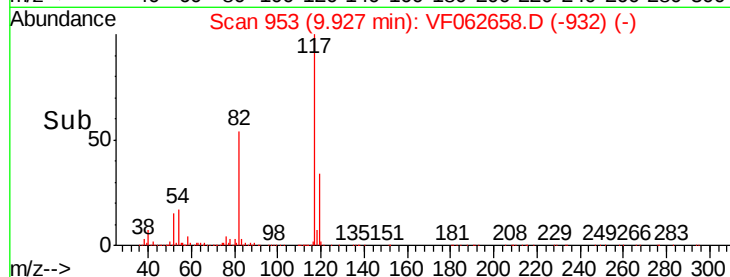
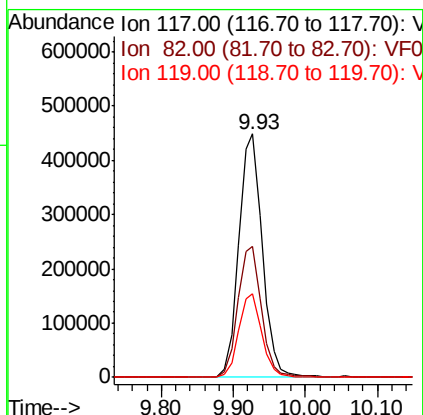
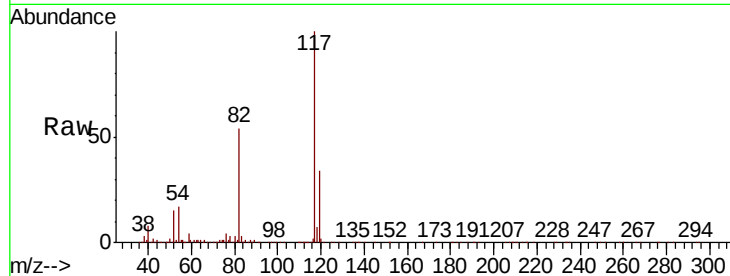




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

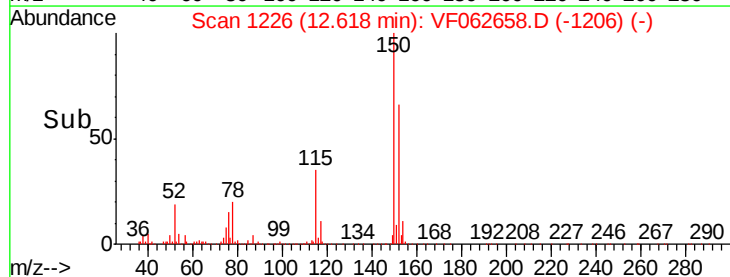
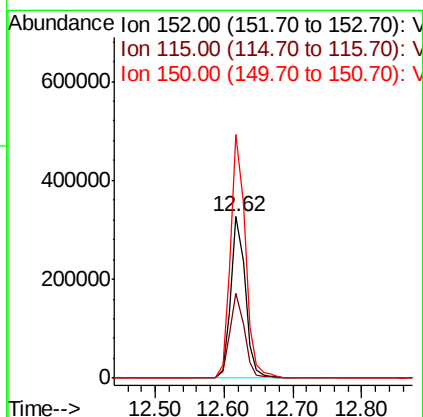
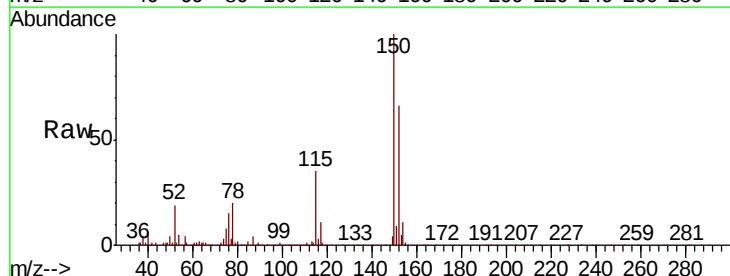
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-BRE

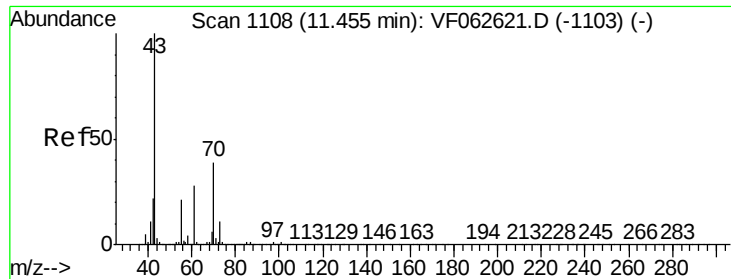
Tot Ion:117 Resp: 1027016
Ion Ratio Lower Upper
117 100
82 53.6 43.3 64.9
119 34.3 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062658.D
Acq: 20 May 2019 14:05

Tgt Ion:152 Resp: 482095
Ion Ratio Lower Upper
152 100
115 52.9 25.2 75.6
150 150.8 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062658.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-BRE

Tot Ion: 43 Resp: 4354

Ion Ratio Lower Upper

43 100

70 29.4 30.9 46.3#

55 42.0 17.0 25.4#

61 10.4 22.6 34.0#

