

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062458.D
 Acq On : 11 May 2019 14:20
 Operator : FY/SY
 Sample : K2754-05
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 12 03:46:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	282042	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	388575	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	308751	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	186704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	123992	46.52	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.04%	
35) Dibromofluoromethane	4.31	113	145728	47.07	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.14%	
50) Toluene-d8	7.72	98	319967	42.70	ug/l	0.01
Spiked Amount 50.000			Recovery	=	85.40%	
62) 4-Bromofluorobenzene	11.50	95	136711	40.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	80.88%	

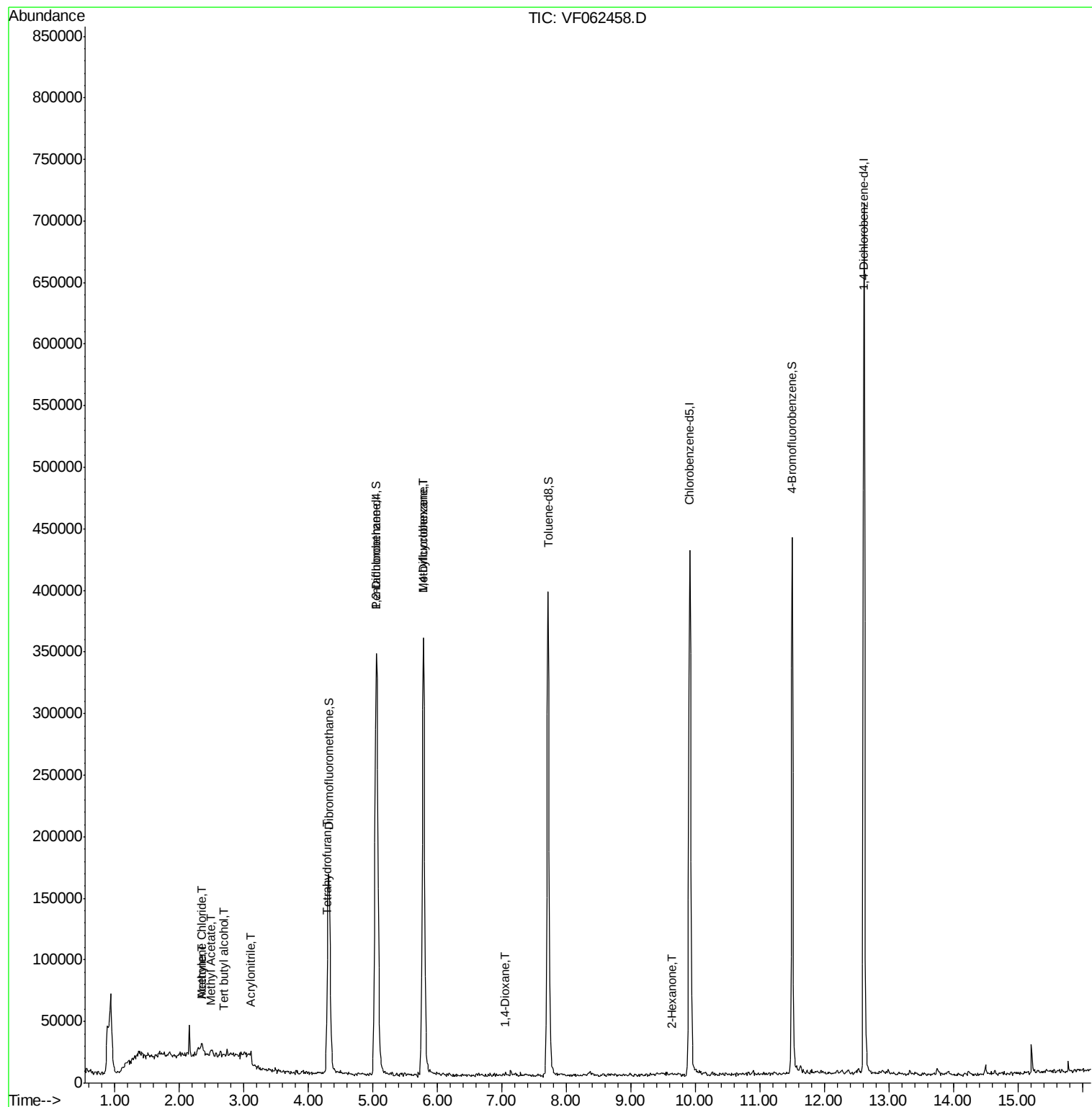
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.43	94	212	Below Cal	#	41
11) Tert butyl alcohol	2.70	59	397	2.635	ug/l #	1
13) Acrolein	2.13	56	528	Below Cal	#	1
15) Acrylonitrile	3.10	53	402	1.409	ug/l #	18
16) Acetone	2.34	43	6934	12.860	ug/l #	79
18) Methyl Acetate	2.49	43	5185	2.284	ug/l #	63
20) Methylene Chloride	2.33	84	3558	1.824	ug/l #	94
29) Tetrahydrofuran	4.29	42	522	1.677	ug/l #	69
37) Ethyl Acetate	4.30	43	812	Below Cal	#	73
38) Carbon Tetrachloride	4.24	117	84	Below Cal	#	14
39) Methylcyclohexane	5.78	83	5897	1.762	ug/l #	52
49) 1,4-Dioxane	7.06	88	266	11.184	ug/l #	1
59) 2-Hexanone	9.64	43	1368	1.719	ug/l	99

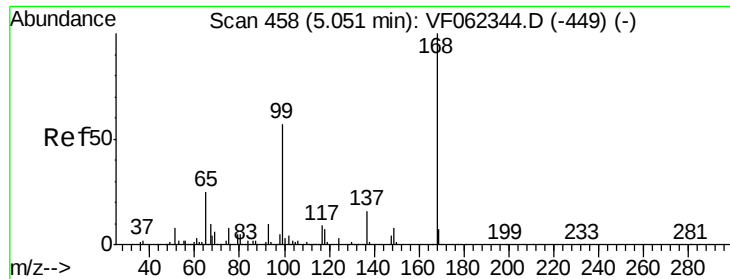
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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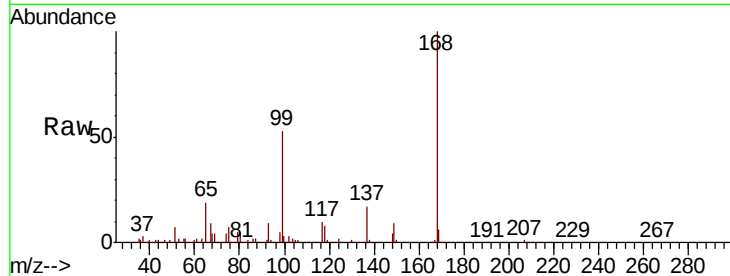




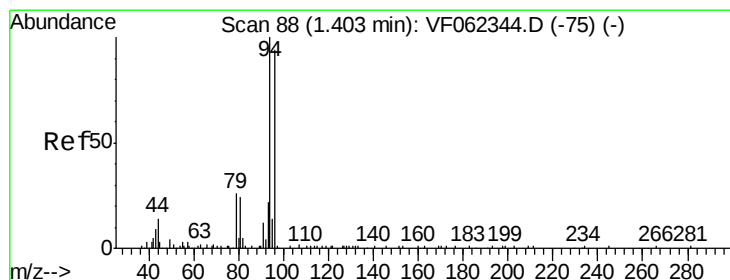
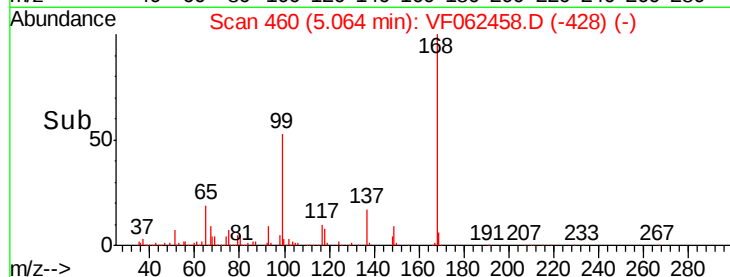
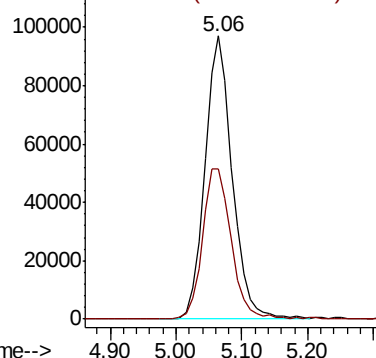
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.06 min Scan# 460
Delta R.T. 0.01 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 282042
Ion Ratio Lower Upper
168 100
99 52.9 45.9 68.9

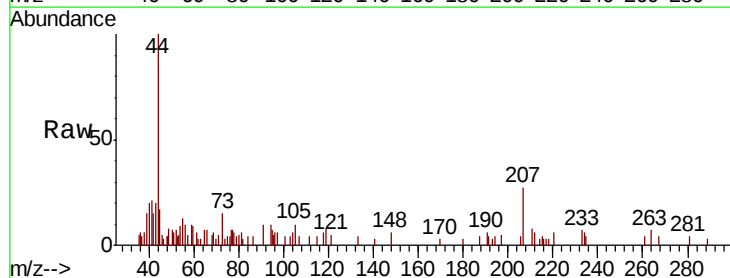


Abundance Ion 167.90 (167.60 to 168.60): VF0
Ion 98.90 (98.60 to 99.60): VF0

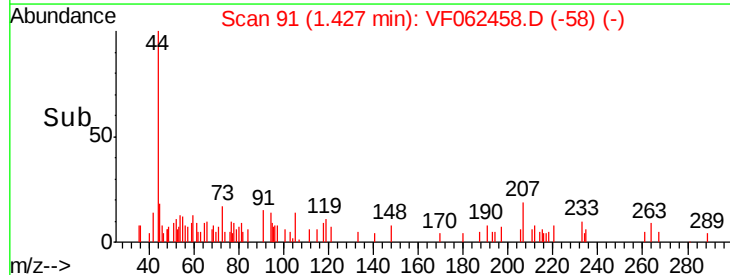
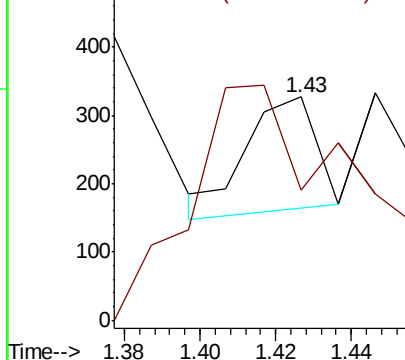


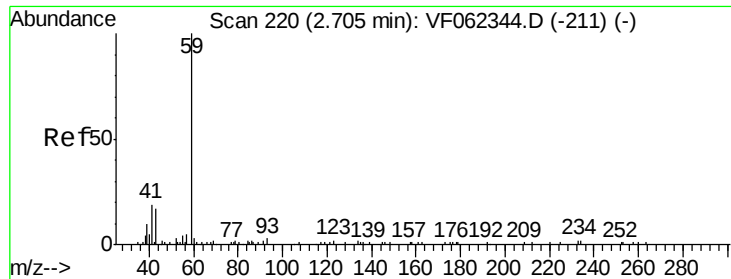
#5
Bromomethane
Concen: Below Cal
RT: 1.43 min Scan# 91
Delta R.T. 0.02 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

Tgt Ion: 94 Resp: 212
Ion Ratio Lower Upper
94 100
96 36.9 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0
Ion 95.90 (95.60 to 96.60): VF0



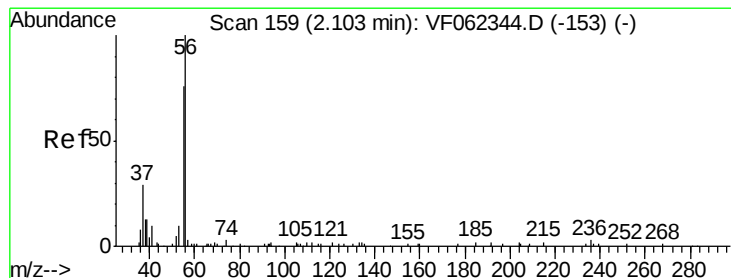
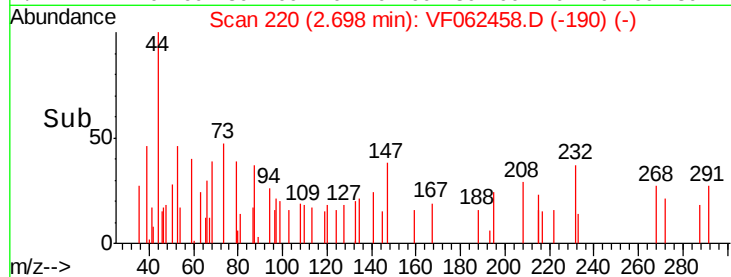
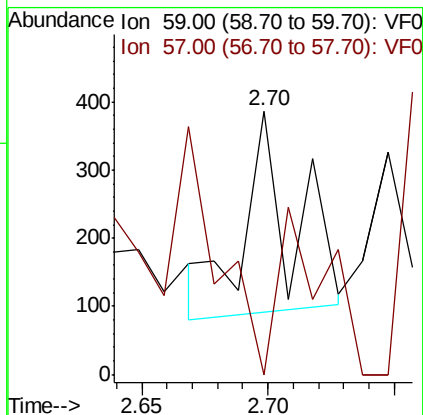
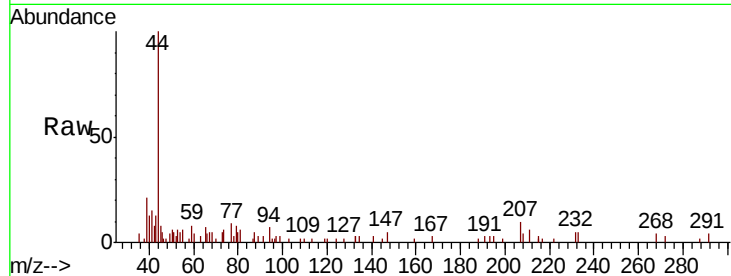


#11

Tert butyl alcohol
 Concen: 2.635 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062458.D
 Acq: 11 May 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :

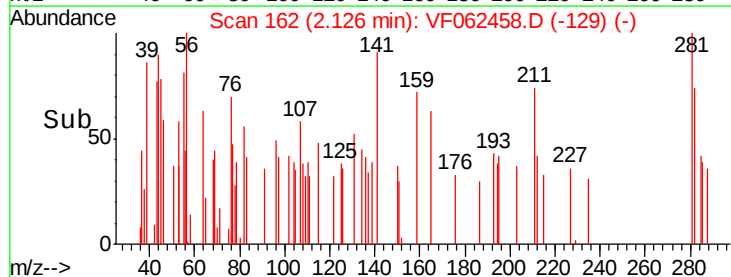
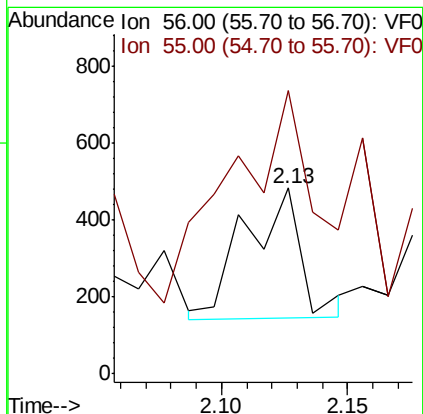
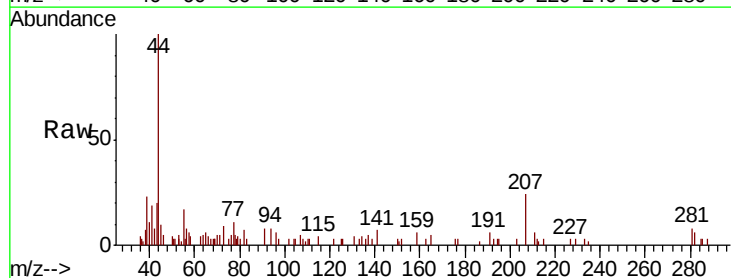
Tot Ion: 59 Resp: 397
 Ion Ratio Lower Upper
 59 100
 57 80.4 9.3 13.9#

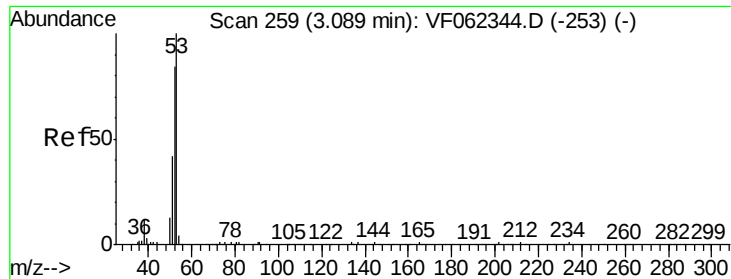


#13

Acrolein
 Concen: Below Cal
 RT: 2.13 min Scan# 162
 Delta R.T. 0.02 min
 Lab File: VF062458.D
 Acq: 11 May 2019 14:20

Tgt Ion: 56 Resp: 528
 Ion Ratio Lower Upper
 56 100
 55 239.8 58.4 87.6#





#15

Acrylonitrile

Concen: 1.409 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

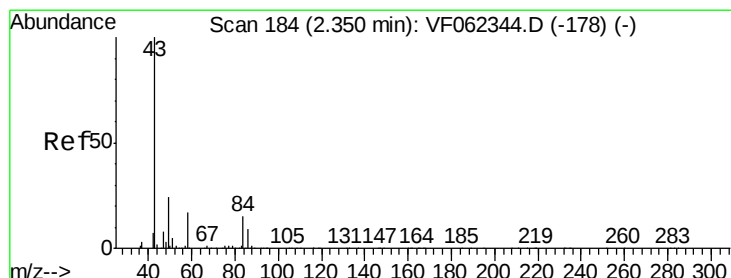
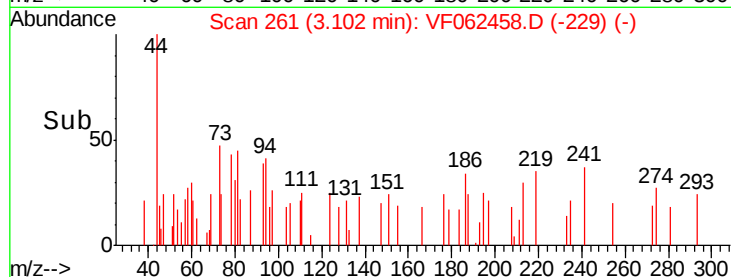
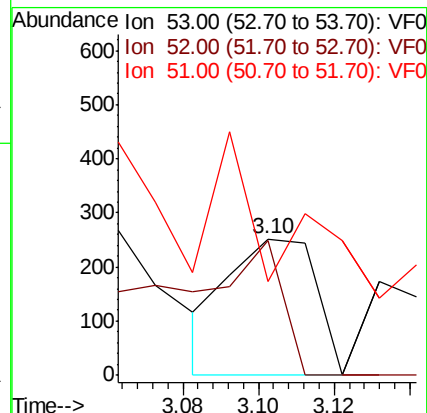
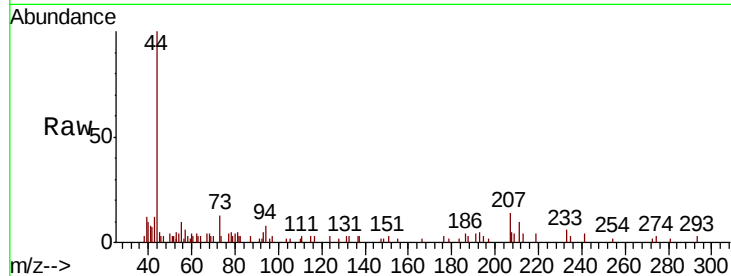
Lab File: VF062458.D

Acq: 11 May 2019 14:20

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 402

Ion	Ratio	Lower	Upper
53	100		
52	181.8	77.2	115.8#
51	0.0	40.6	61.0#



#16

Acetone

Concen: 12.860 ug/l

RT: 2.34 min Scan# 184

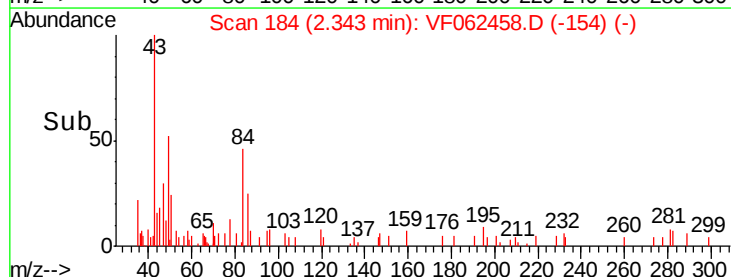
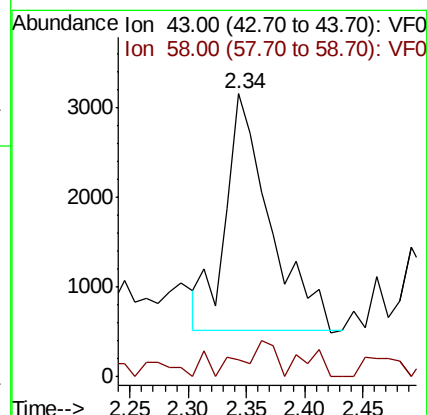
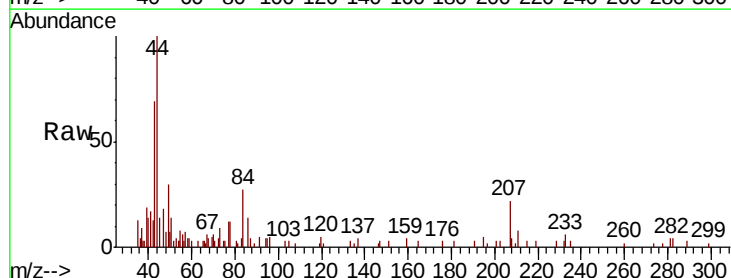
Delta R.T. -0.01 min

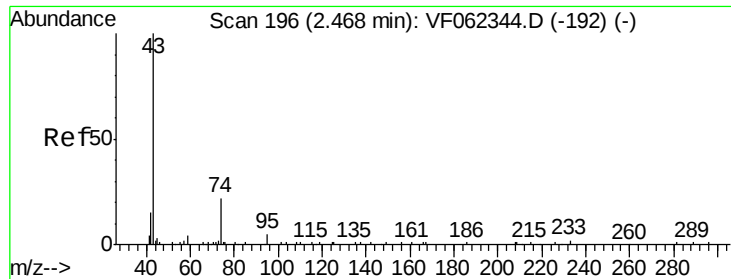
Lab File: VF062458.D

Acq: 11 May 2019 14:20

Tgt Ion: 43 Resp: 6934

Ion	Ratio	Lower	Upper
43	100		
58	7.2	13.1	19.7#

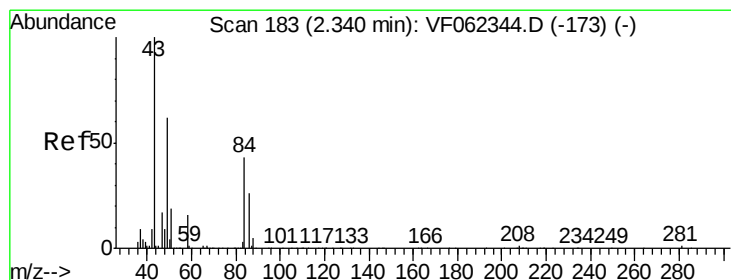
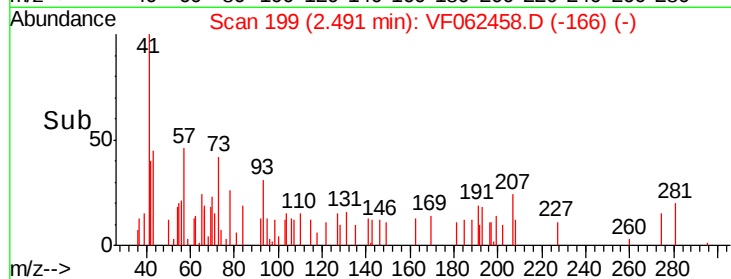
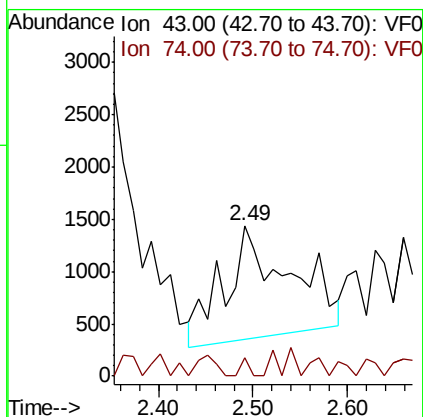
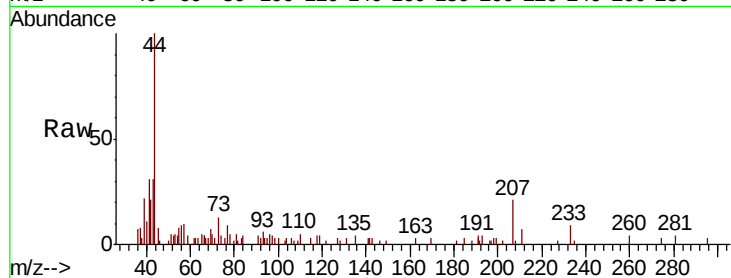




#18
Methyl Acetate
Concen: 2.284 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

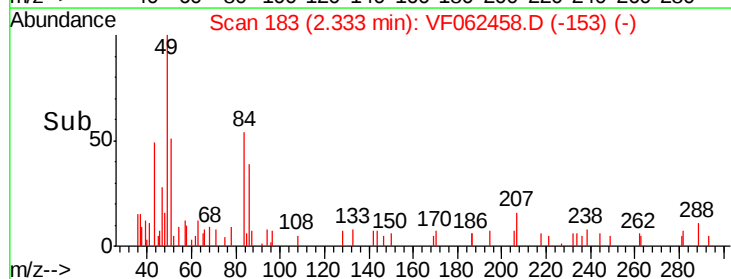
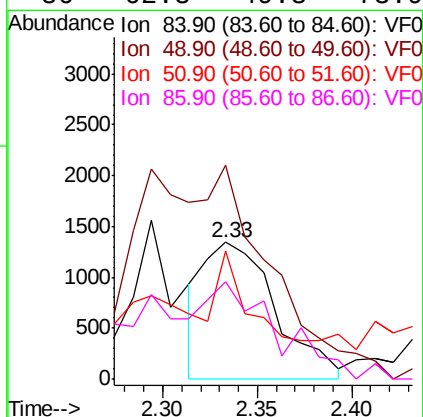
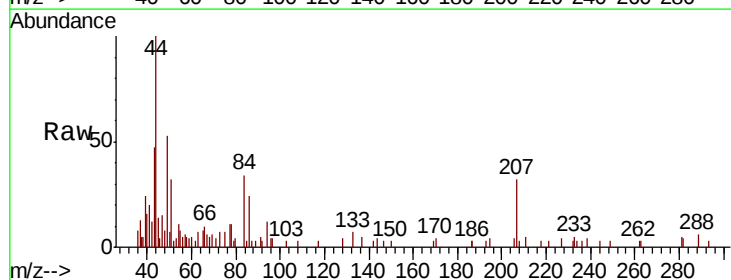
Instrument :
MSVOA_F
ClientSampleId :

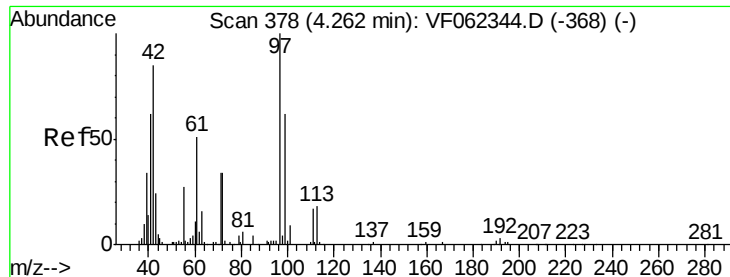
Tot Ion: 43 Resp: 5185
Ion Ratio Lower Upper
43 100
74 2.0 15.0 22.4#



#20
Methylene Chloride
Concen: 1.824 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

Tgt Ion: 84 Resp: 3558
Ion Ratio Lower Upper
84 100
49 147.2 117.5 176.3
51 66.1 37.0 55.4#
86 62.8 49.3 73.9





#29

Tetrahydrofuran

Concen: 1.677 ug/l

RT: 4.29 min Scan# 381

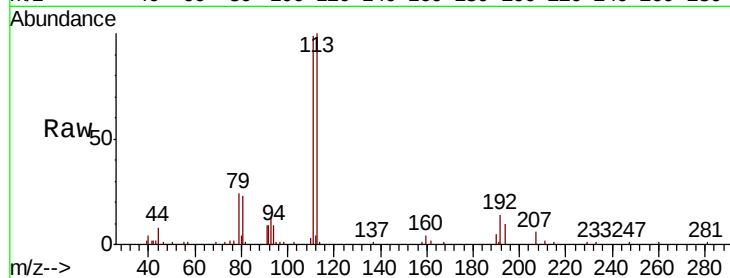
Delta R.T. 0.02 min

Lab File: VF062458.D

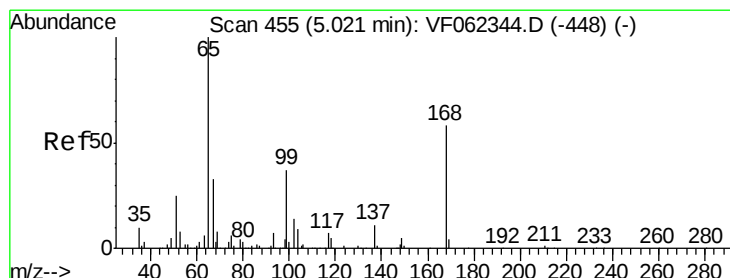
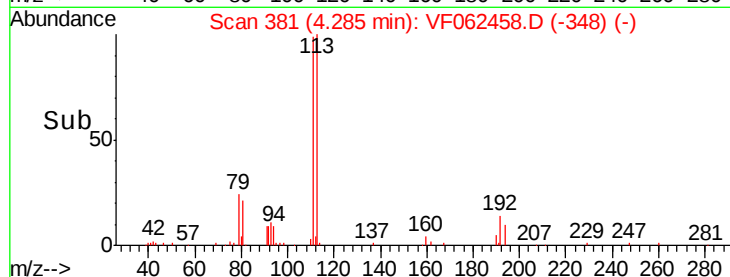
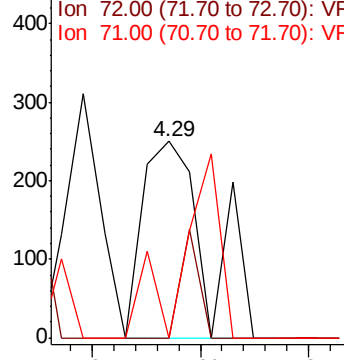
Acq: 11 May 2019 14:20

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	522
Ion	Ratio	Lower	Upper
42	100		
72	15.7	31.4	47.0#
71	54.6	31.7	47.5#



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: 46.519 ug/l

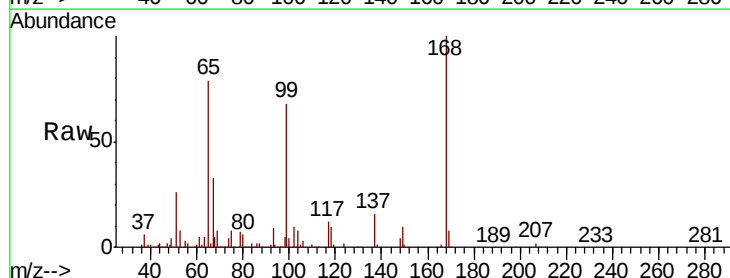
RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

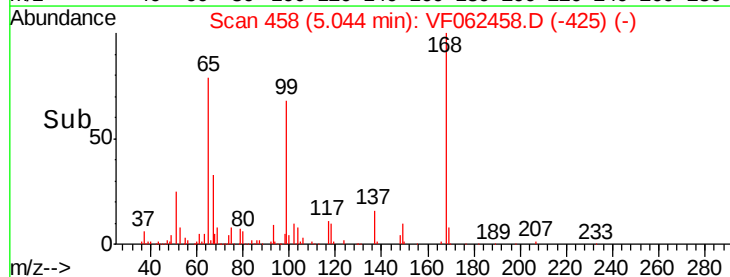
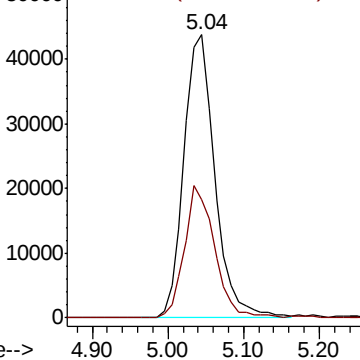
Lab File: VF062458.D

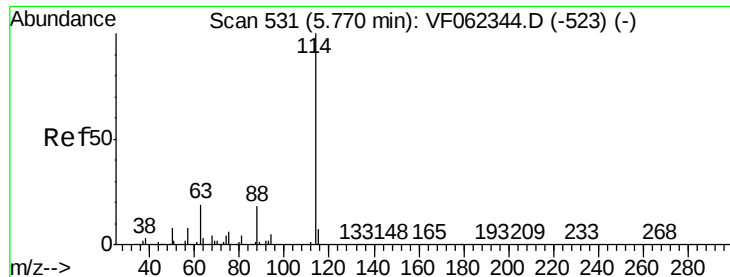
Acq: 11 May 2019 14:20

Tgt Ion:	65	Resp:	123992
Ion	Ratio	Lower	Upper
65	100		
67	45.5	0.0	85.8



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. 0.01 min

Lab File: VF062458.D

Acq: 11 May 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

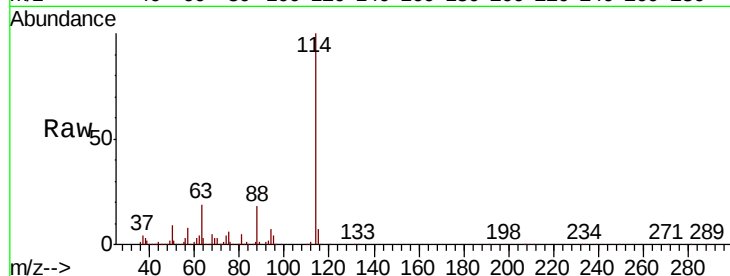
Tot Ion:114 Resp: 388575

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

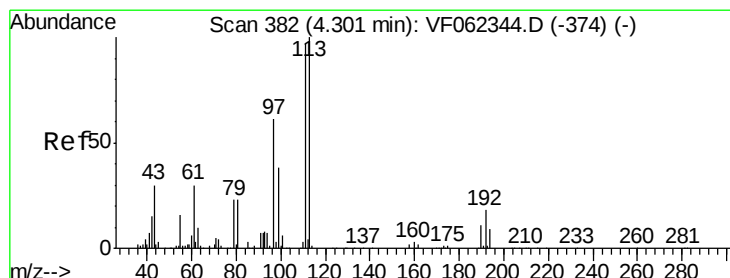
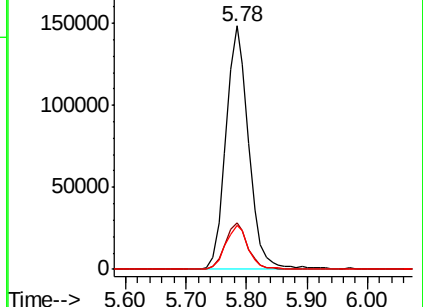
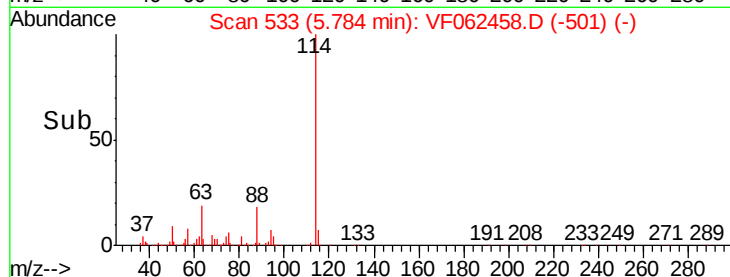
88 18.0 0.0 36.4



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: 47.074 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062458.D

Acq: 11 May 2019 14:20

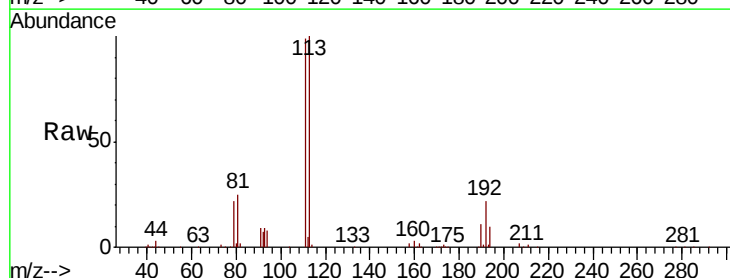
Tgt Ion:113 Resp: 145728

Ion Ratio Lower Upper

113 100

111 102.9 79.4 119.0

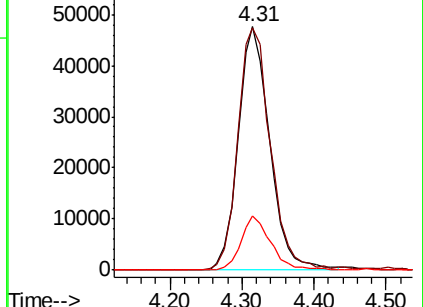
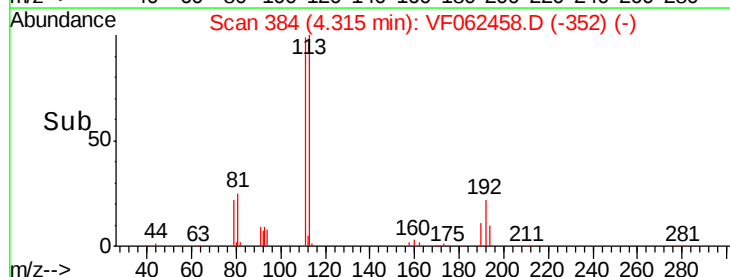
192 21.0 16.0 24.0

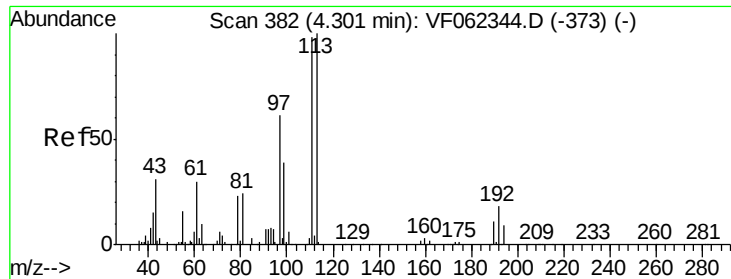


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

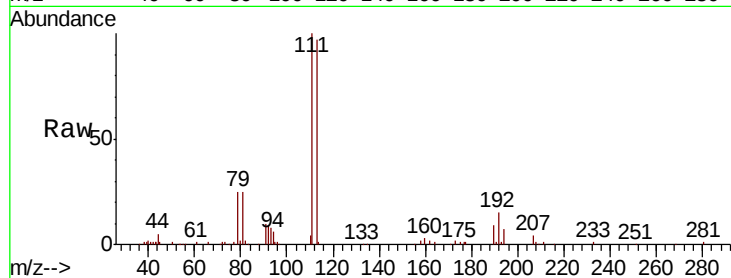




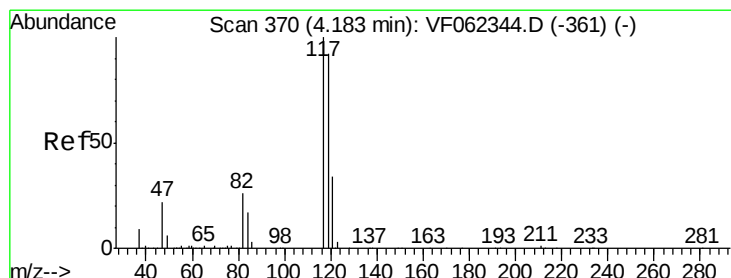
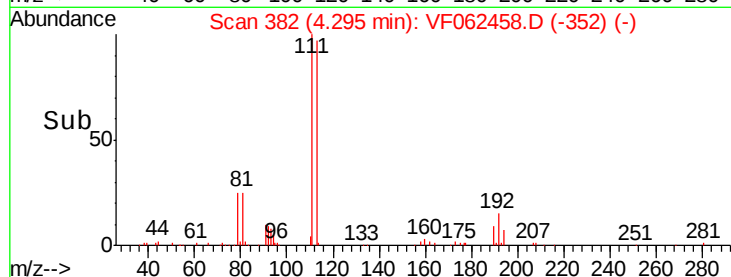
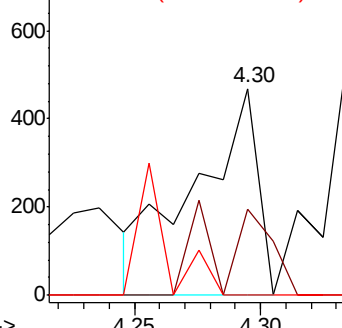
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
61 15.8 0.0 0.0#
70 0.0 8.2 12.2#

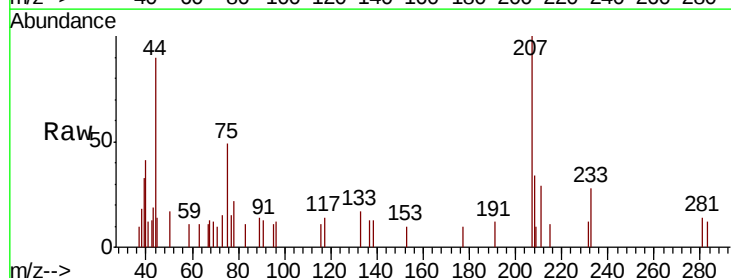


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

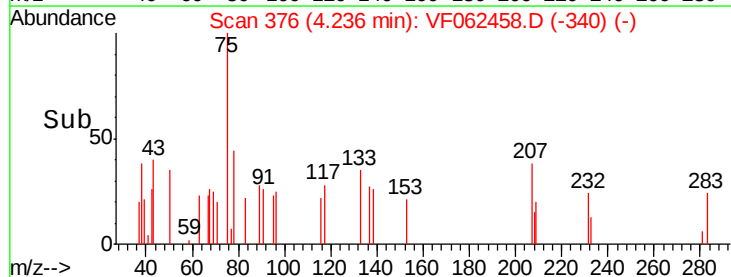
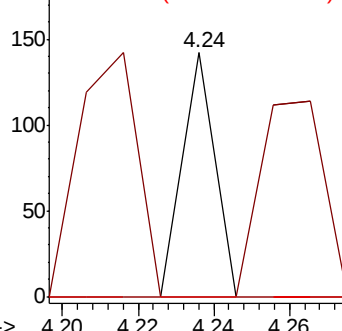


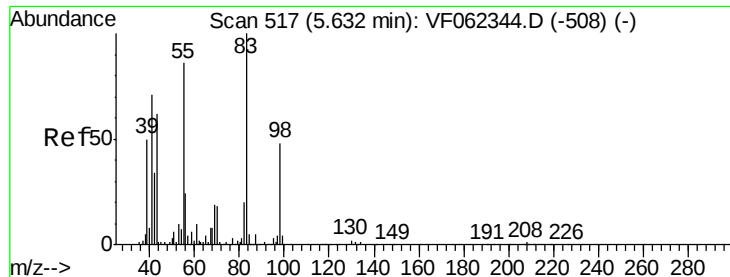
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.24 min Scan# 376
Delta R.T. 0.05 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

Tgt Ion: 117 Resp: 84
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

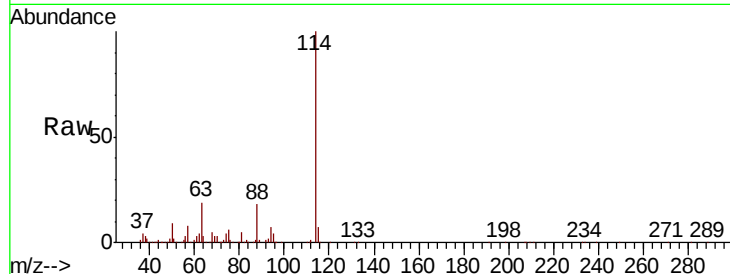




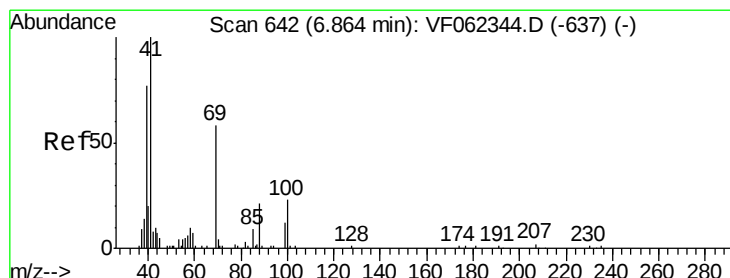
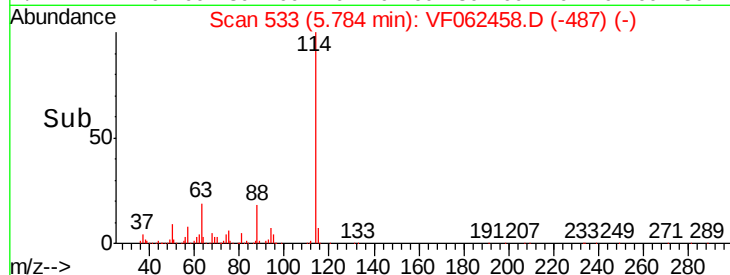
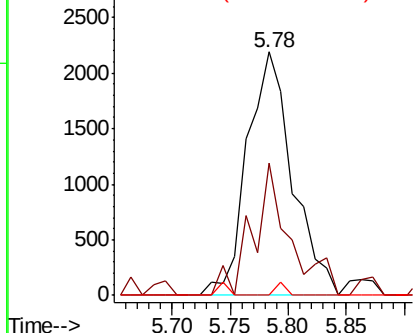
#39
Methvlcvclohexane
Concen: 1.762 ug/l
RT: 5.78 min Scan# 533
Delta R.T. 0.15 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 5897
Ion Ratio Lower Upper
83 100
55 54.1 69.0 103.6#
98 0.0 38.6 58.0#

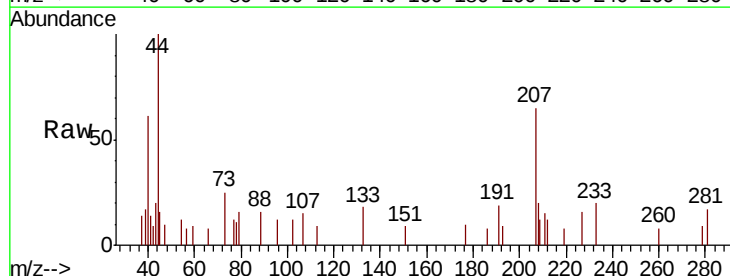


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

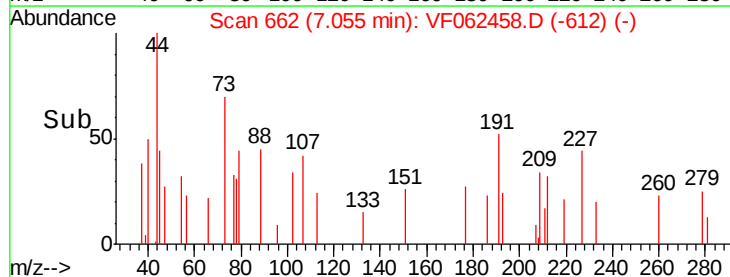
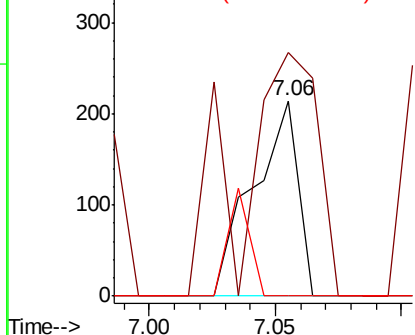


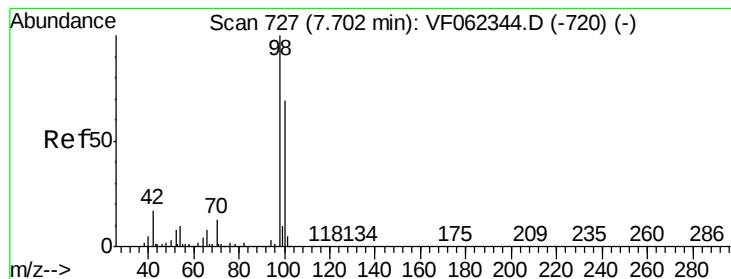
#49
1,4-Dioxane
Concen: 11.184 ug/l
RT: 7.06 min Scan# 662
Delta R.T. 0.19 min
Lab File: VF062458.D
Acq: 11 May 2019 14:20

Tgt Ion: 88 Resp: 266
Ion Ratio Lower Upper
88 100
43 212.4 55.6 83.4#
58 26.3 52.8 79.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 42.698 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF062458.D

Acq: 11 May 2019 14:20

Instrument :

MSVOA_F

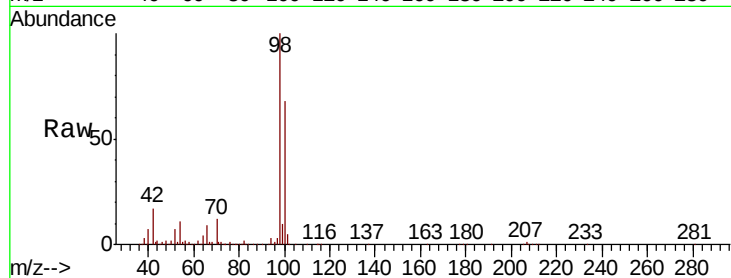
ClientSampleId :

Tot Ion: 98 Resp: 319967

Ion Ratio Lower Upper

98 100

100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.72

150000

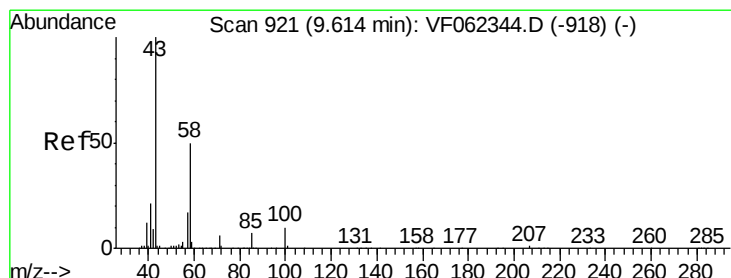
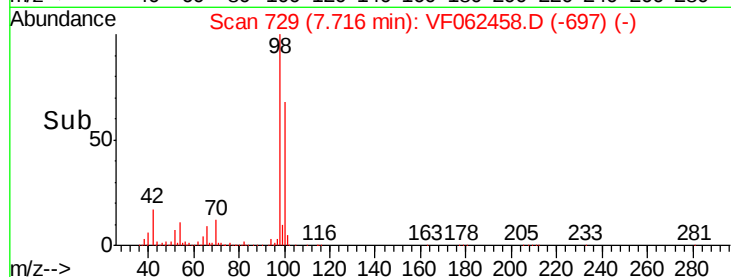
100000

50000

0

Time-->

7.60 7.70 7.80 7.90



#59

2-Hexanone

Concen: 1.719 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.02 min

Lab File: VF062458.D

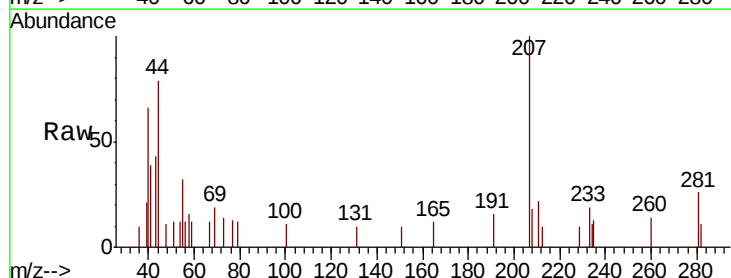
Acq: 11 May 2019 14:20

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

58 48.0 24.3 73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

600

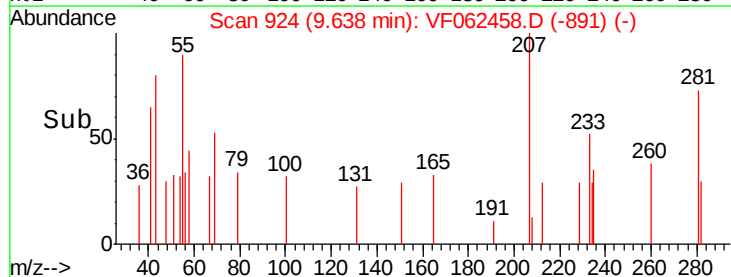
400

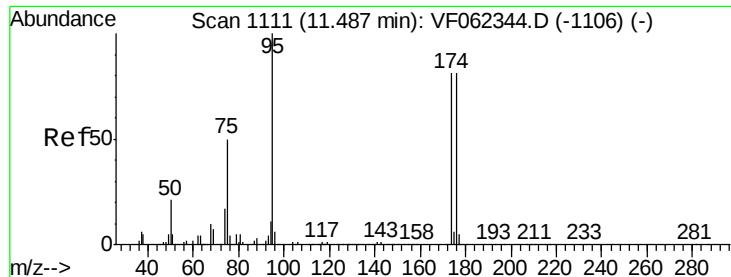
200

0

Time-->

9.55 9.60 9.65 9.70





#62

4-Bromofluorobenzene

Concen: 40.437 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062458.D

Acq: 11 May 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

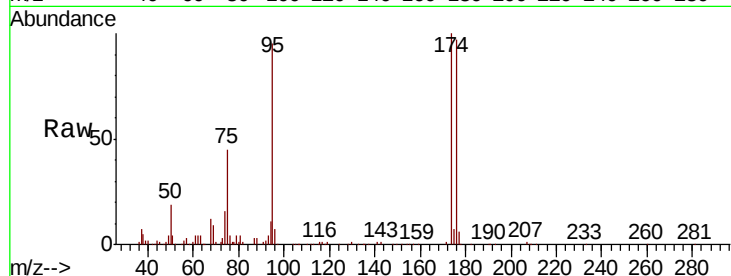
Tot Ion: 95 Resp: 136711

Ion Ratio Lower Upper

95 100

174 100.4 0.0 191.8

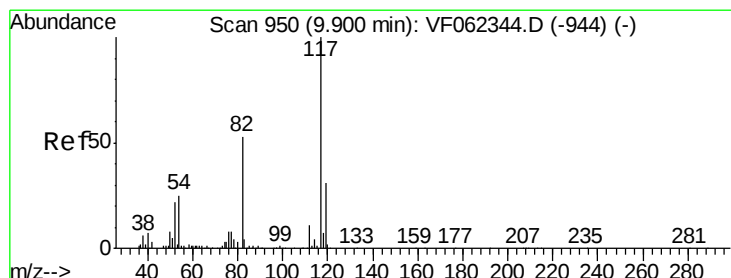
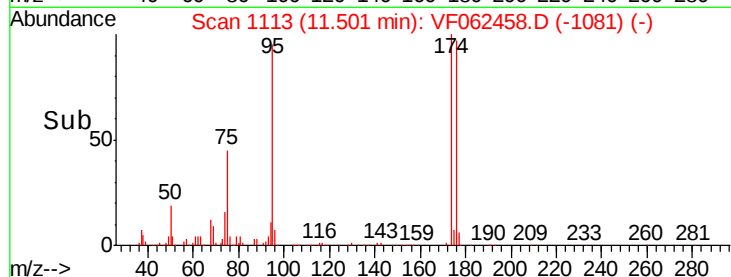
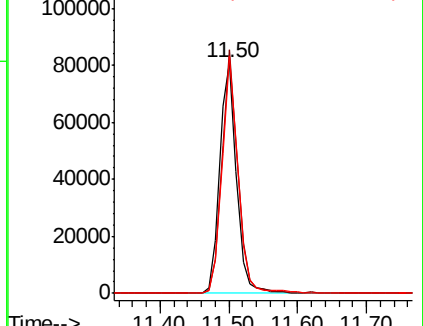
176 98.9 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062458.D

Acq: 11 May 2019 14:20

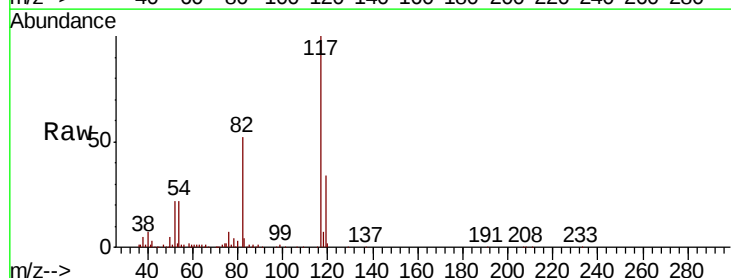
Tgt Ion: 117 Resp: 308751

Ion Ratio Lower Upper

117 100

82 51.9 42.2 63.2

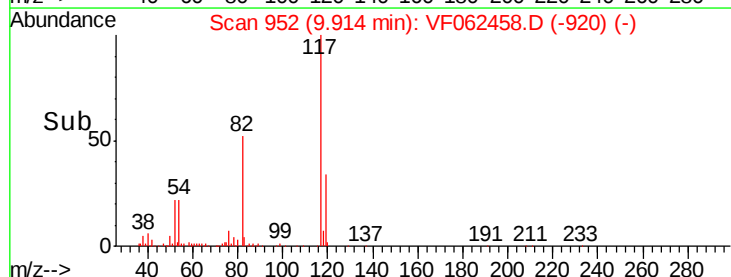
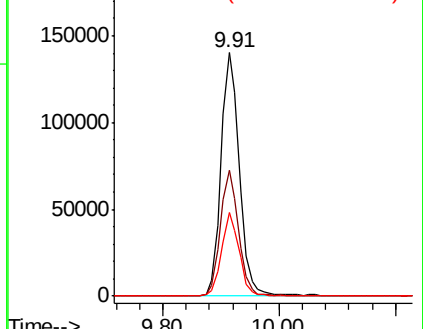
119 34.3 25.0 37.4

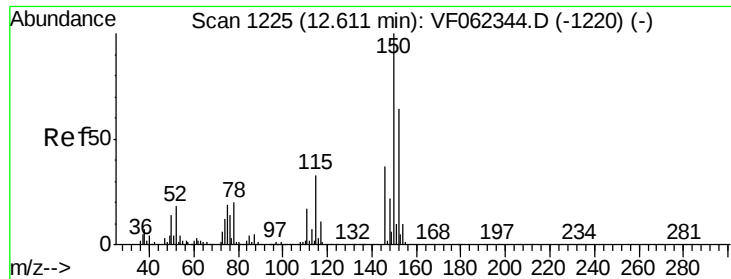


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062458.D

Acq: 11 May 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

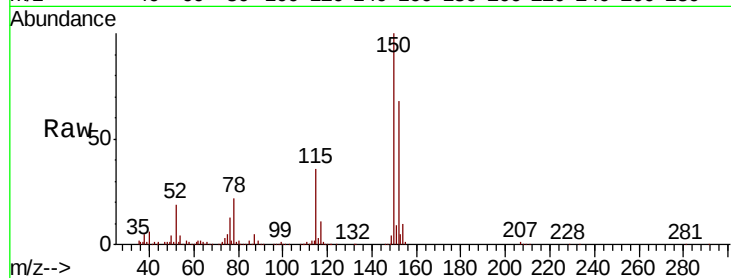
Tot Ion:152 Resp: 186704

Ion Ratio Lower Upper

152 100

115 55.4 26.4 79.2

150 149.4 0.0 335.0



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

