

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062558.D
 Acq On : 13 May 2019 22:55
 Operator : FY/SY
 Sample : K2647-05
 Misc : 7.64g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-050919-A

Quant Time: May 14 07:05:37 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

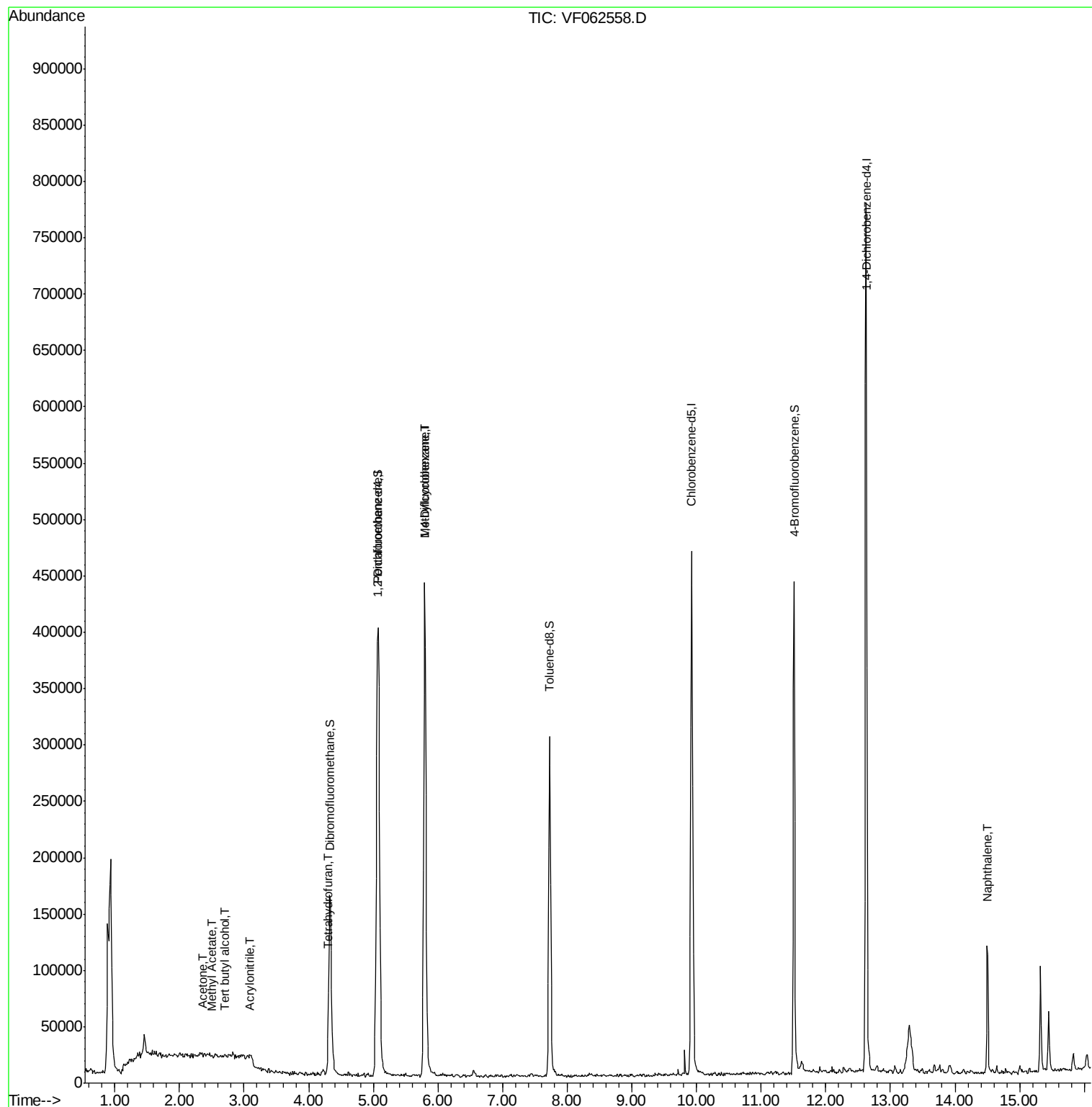
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	361844	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	493870	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	358961	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	213600	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	118696	34.71	ug/l	0.03
Spiked Amount 50.000			Recovery	=	69.42%	
35) Dibromofluoromethane	4.32	113	145626	37.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	74.02%	
50) Toluene-d8	7.73	98	261991	27.51	ug/l	0.02
Spiked Amount 50.000			Recovery	=	55.02%	
62) 4-Bromofluorobenzene	11.51	95	140887	32.79	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.58%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.42	94	603	Below Cal	#	3
11) Tert butyl alcohol	2.69	59	1355	7.011	ug/l #	1
13) Acrolein	2.13	56	714	Below Cal		99
15) Acrylonitrile	3.09	53	1134	3.098	ug/l #	19
16) Acetone	2.35	43	5285	7.640	ug/l #	86
18) Methyl Acetate	2.49	43	5236	1.087	ug/l #	78
29) Tetrahydrofuran	4.30	42	491	1.229	ug/l #	61
37) Ethyl Acetate	4.31	43	681	Below Cal	#	73
38) Carbon Tetrachloride	4.21	117	141	Below Cal	#	14
39) Methylcyclohexane	5.79	83	7086	1.665	ug/l #	42
49) 1,4-Dioxane	6.82	88	102	Below Cal	#	16
95) Naphthalene	14.50	128	91869	11.596	ug/l	98

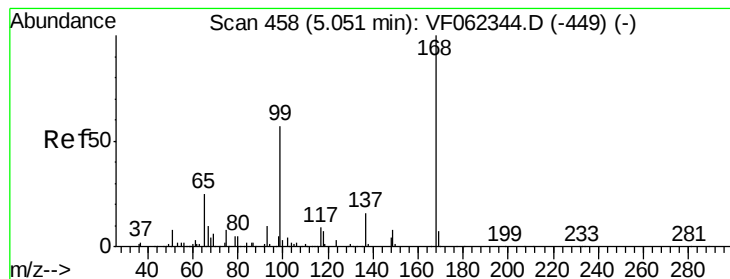
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051319\
Data File : VF062558.D
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Misc : 7.64g/5mL/MSVOA F/SOIL
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Quant Time: May 14 07:05:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062558.D

Acq: 13 May 2019 22:55

Instrument :

MSVOA_F

ClientSampleId :

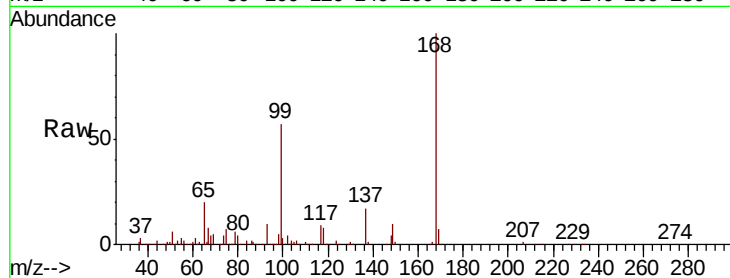
SU-02-050919-A

Tot Ion:168 Resp: 361844

Ion Ratio Lower Upper

168 100

99 57.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

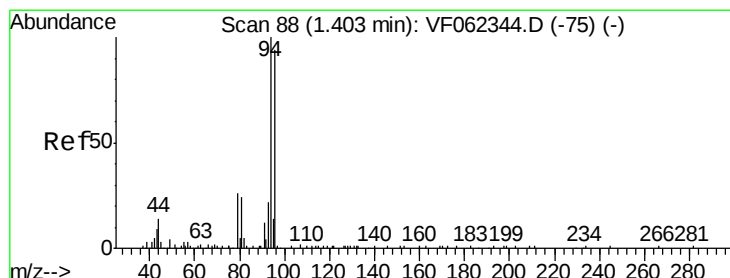
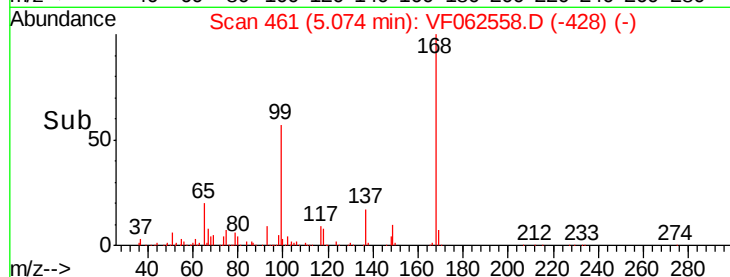
5.07

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF062558.D

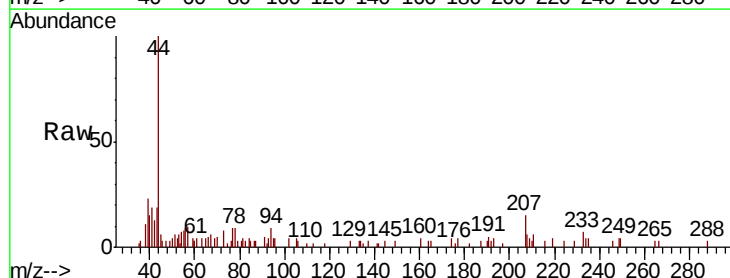
Acq: 13 May 2019 22:55

Tgt Ion: 94 Resp: 603

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

500

400

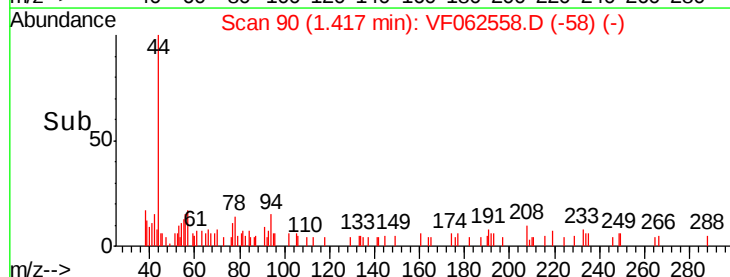
300

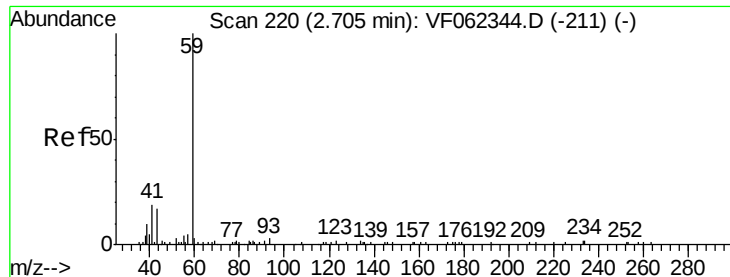
200

100

0

Time-->



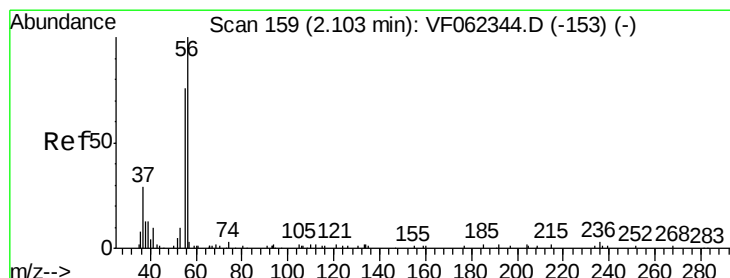
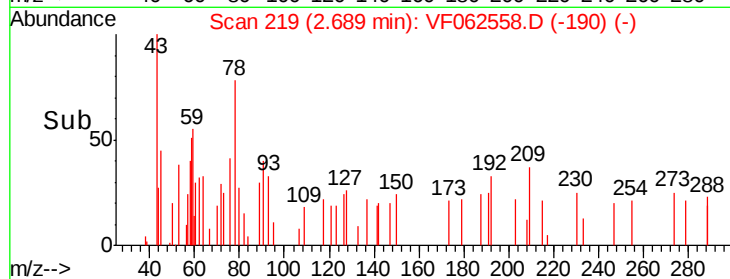
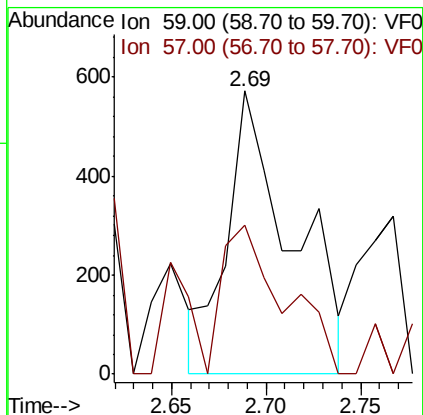
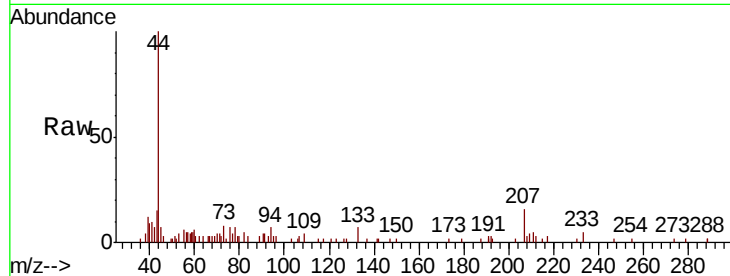


#11

Tert butyl alcohol
 Concen: 7.011 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-050919-A

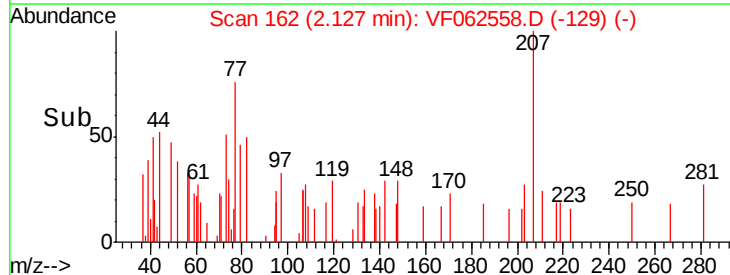
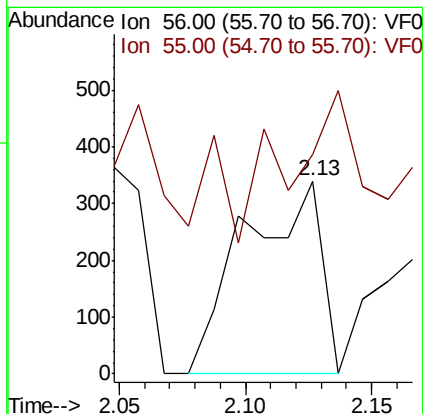
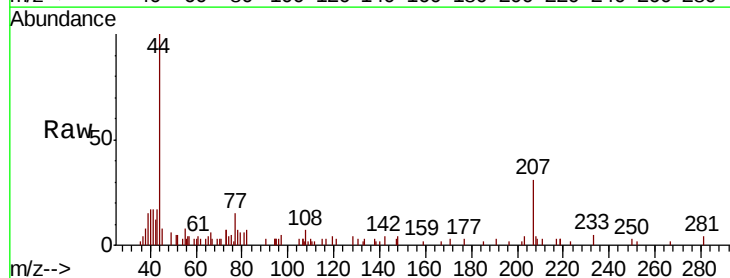
Tot Ion: 59 Resp: 1355
 Ion Ratio Lower Upper
 59 100
 57 50.8 9.3 13.9#

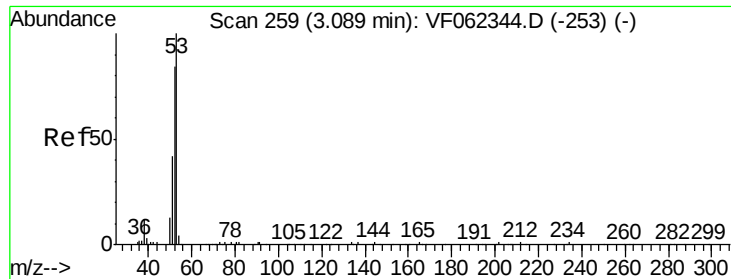


#13

Acrolein
 Concen: Below Cal
 RT: 2.13 min Scan# 162
 Delta R.T. 0.02 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

Tgt Ion: 56 Resp: 714
 Ion Ratio Lower Upper
 56 100
 55 73.9 58.4 87.6

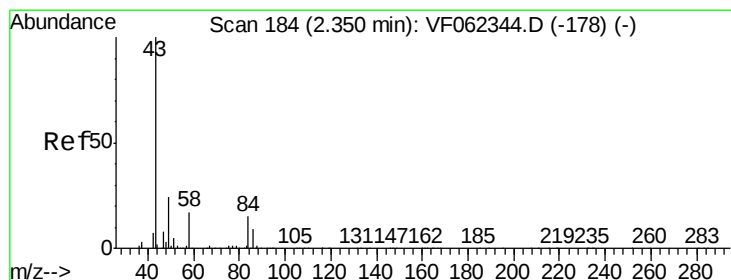
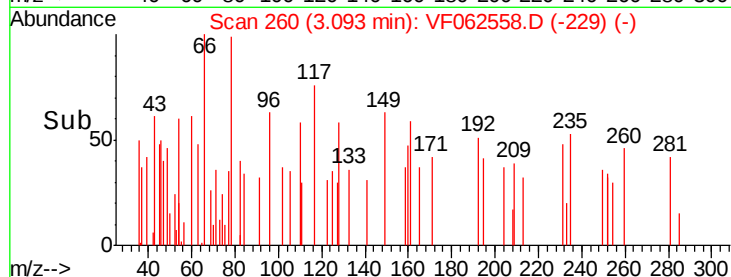
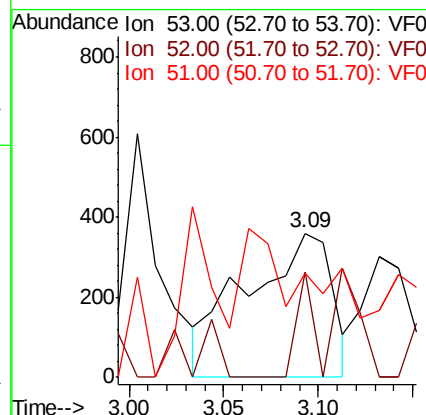
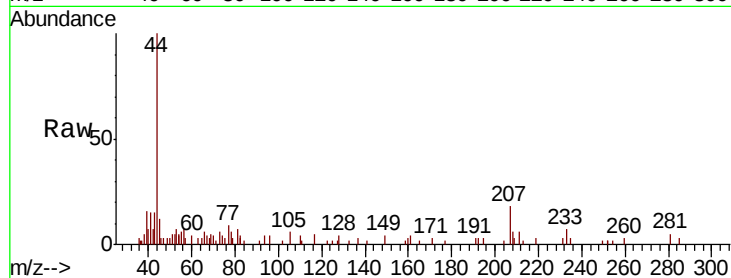




#15
 Acrylonitrile
 Concen: 3.098 ug/l
 RT: 3.09 min Scan# 260
 Delta R.T. 0.00 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

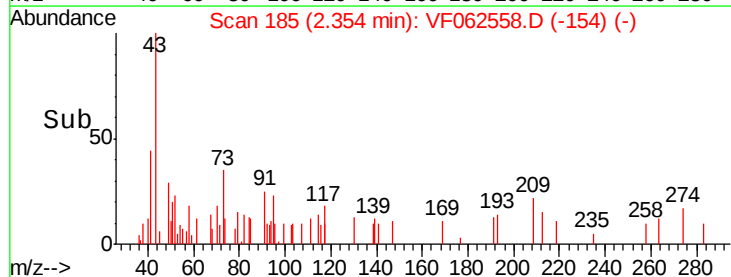
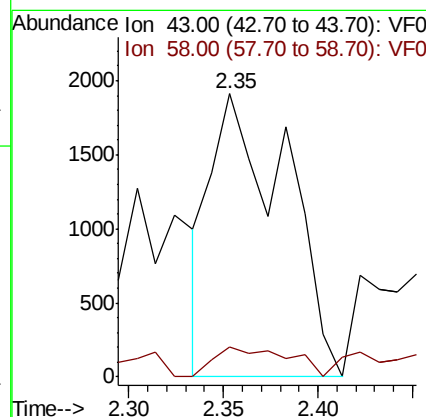
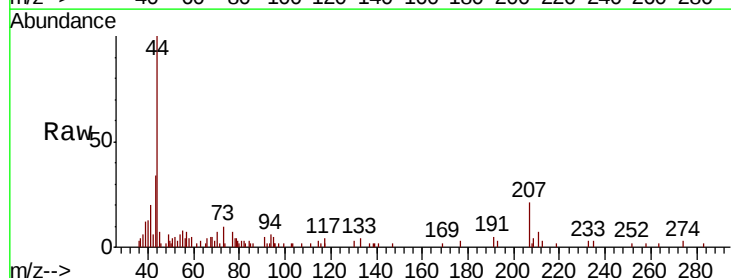
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-050919-A

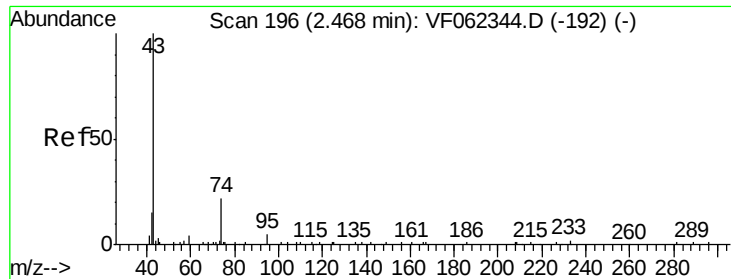
Tot Ion: 53 Resp: 1134
 Ion Ratio Lower Upper
 53 100
 52 13.8 77.2 115.8#
 51 0.0 40.6 61.0#



#16
 Acetone
 Concen: 7.640 ug/l
 RT: 2.35 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

Tgt Ion: 43 Resp: 5285
 Ion Ratio Lower Upper
 43 100
 58 10.4 13.1 19.7#

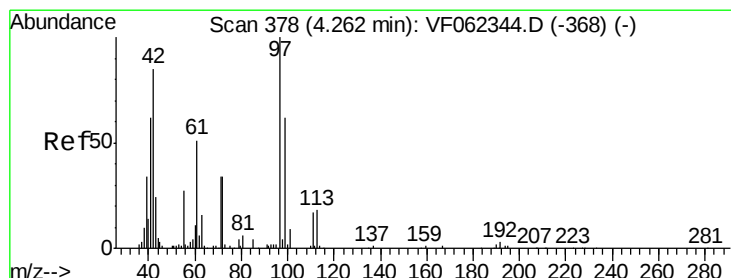
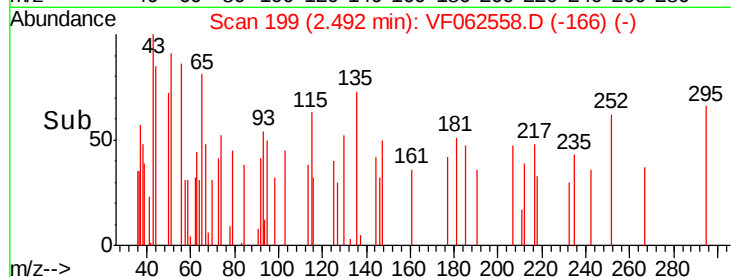
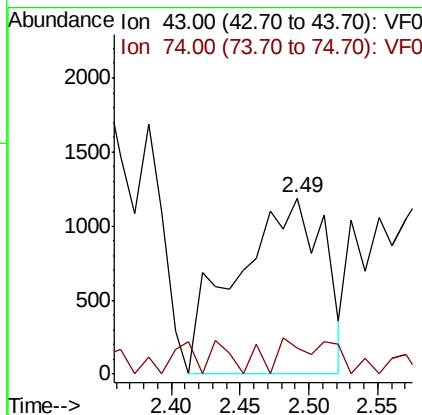
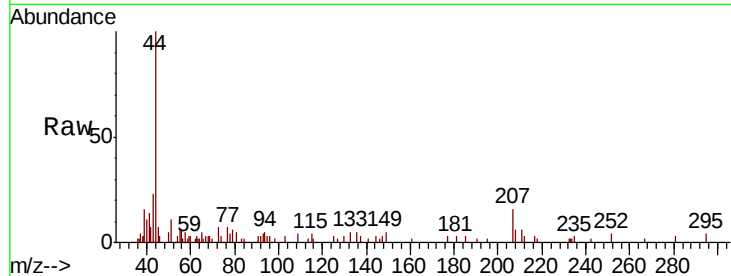




#18
Methvl Acetate
Concen: 1.087 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062558.D
Acq: 13 May 2019 22:55

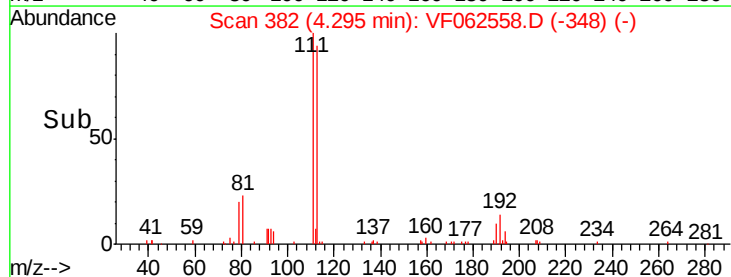
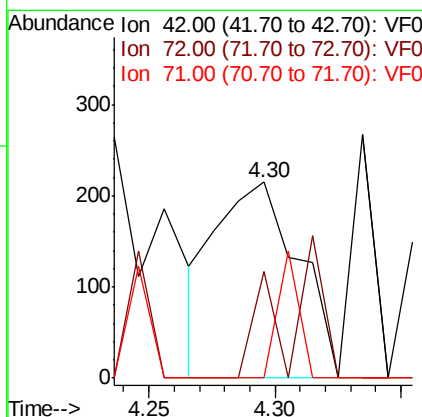
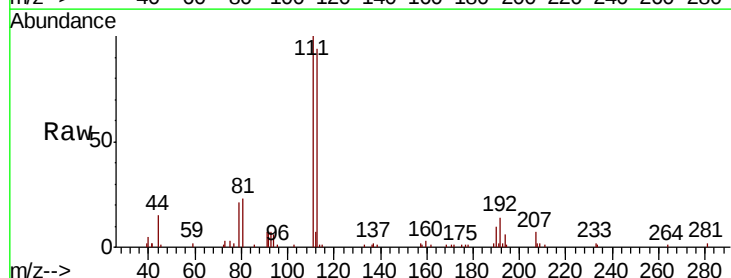
Instrument :
MSVOA_F
ClientSampleId :
SU-02-050919-A

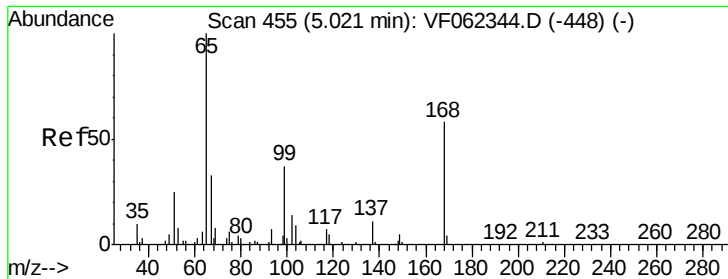
Tot Ion: 43 Resp: 5236
Ion Ratio Lower Upper
43 100
74 8.6 15.0 22.4#



#29
Tetrahydrofuran
Concen: 1.229 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062558.D
Acq: 13 May 2019 22:55

Tgt Ion: 42 Resp: 491
Ion Ratio Lower Upper
42 100
72 14.1 31.4 47.0#
71 16.9 31.7 47.5#

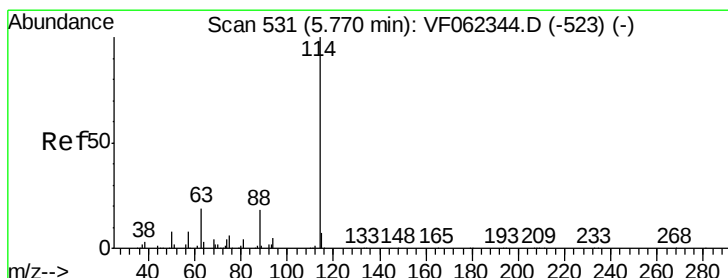
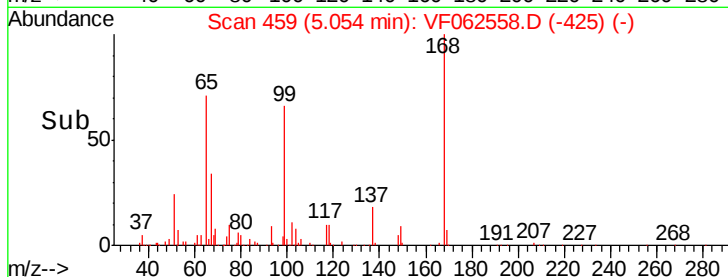
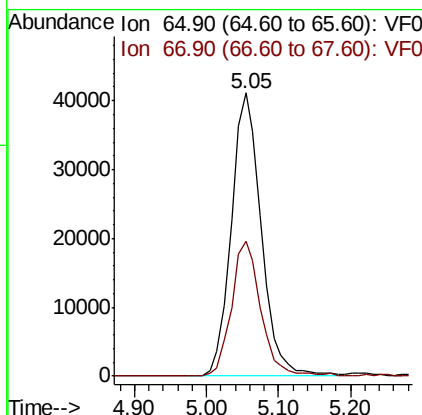
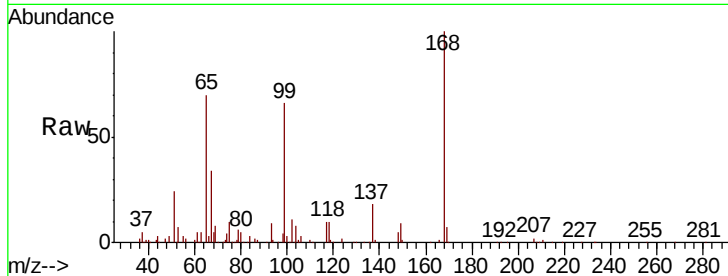




#33
 1,2-Dichloroethane-d4
 Concen: 34.711 ug/l
 RT: 5.05 min Scan# 459
 Delta R.T. 0.03 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

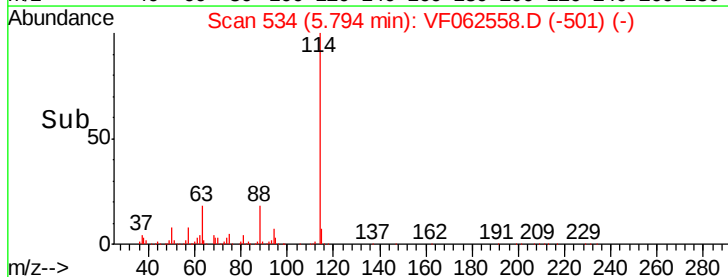
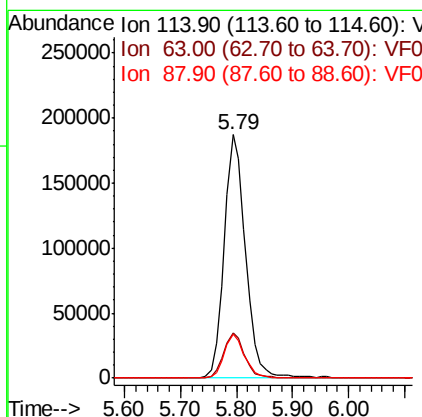
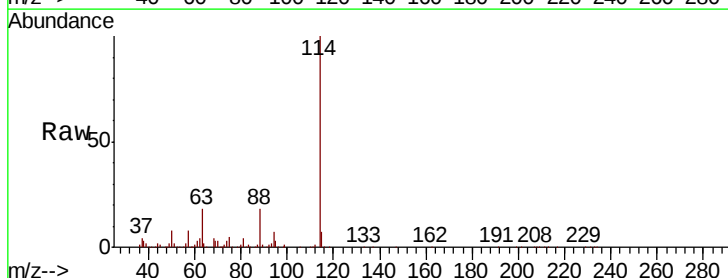
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 ClientSampleId :
 SU-02-050919-A

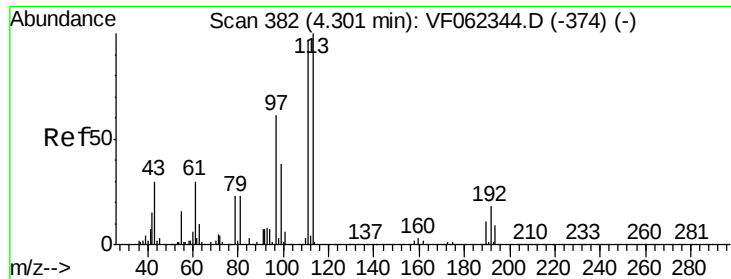
Tot Ion: 65 Resp: 118696
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

Tgt Ion: 114 Resp: 493870
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.4
 88 18.2 0.0 36.4

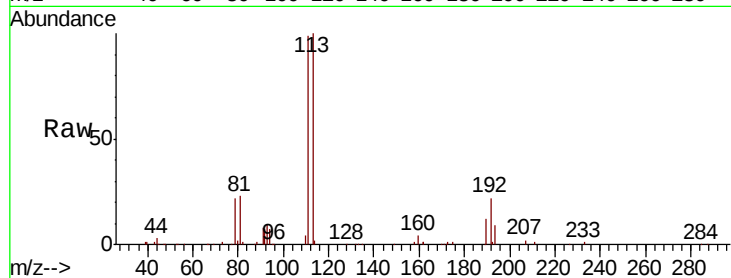




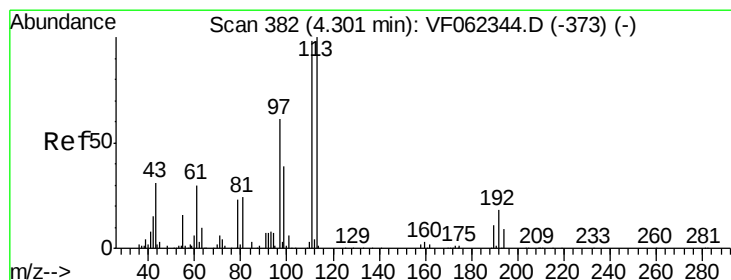
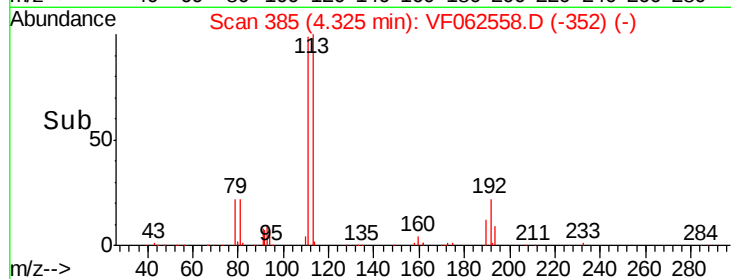
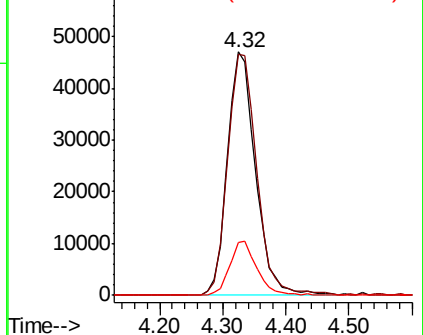
#35
 Dibromofluoromethane
 Concen: 37.012 ug/l
 RT: 4.32 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-050919-A

Tot Ion:113 Resp: 145626
 Ion Ratio Lower Upper
 113 100
 111 102.3 79.4 119.0
 192 21.2 16.0 24.0

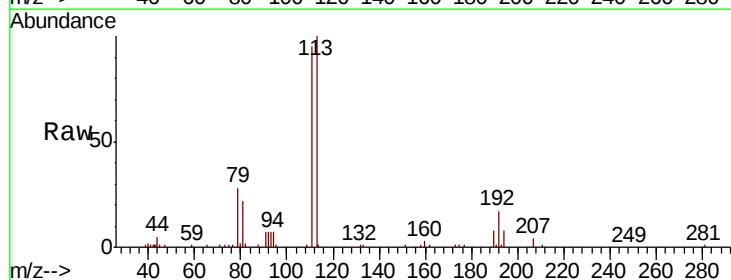


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

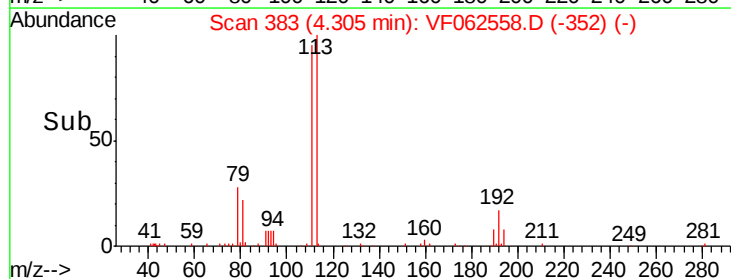
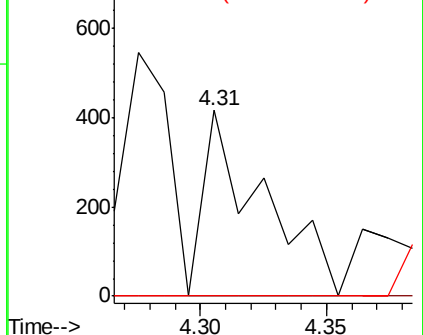


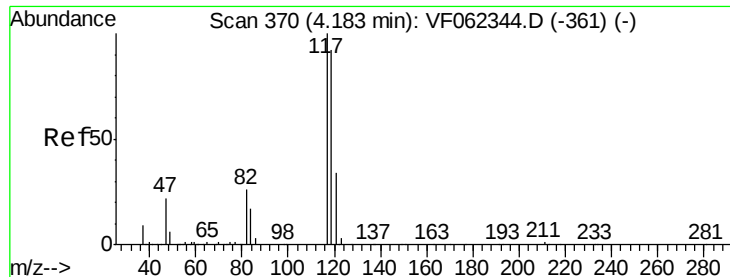
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF062558.D
 Acq: 13 May 2019 22:55

Tgt Ion: 43 Resp: 681
 Ion Ratio Lower Upper
 43 100
 61 0.0 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: 4.21 min Scan# 373

Delta R.T. 0.02 min

Lab File: VF062558.D

Acq: 13 May 2019 22:55

Instrument :

MSVOA_F

ClientSampleId :

SU-02-050919-A

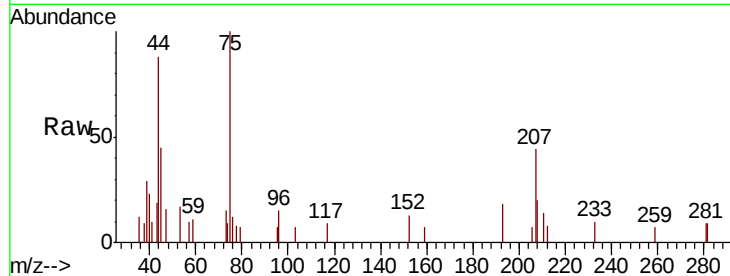
Tot Ion:117 Resp: 141

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

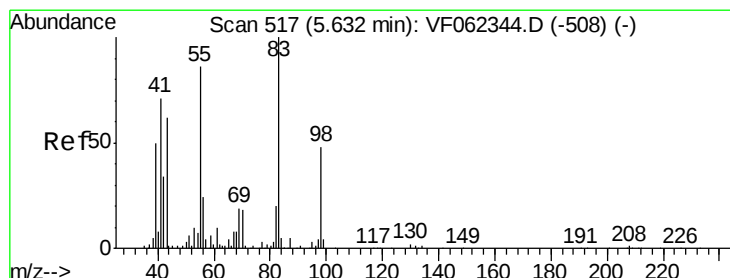
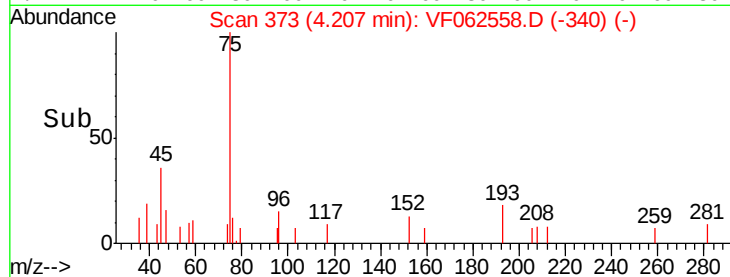
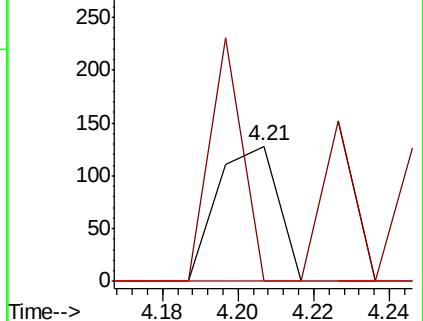
121 0.0 27.4 41.0#



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

Methylcyclohexane

Concen: 1.665 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.16 min

Lab File: VF062558.D

Acq: 13 May 2019 22:55

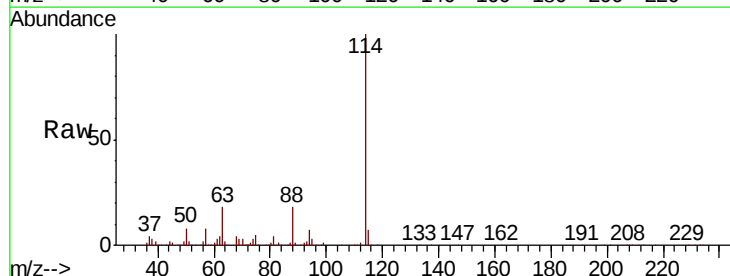
Tgt Ion: 83 Resp: 7086

Ion Ratio Lower Upper

83 100

55 36.7 69.0 103.6#

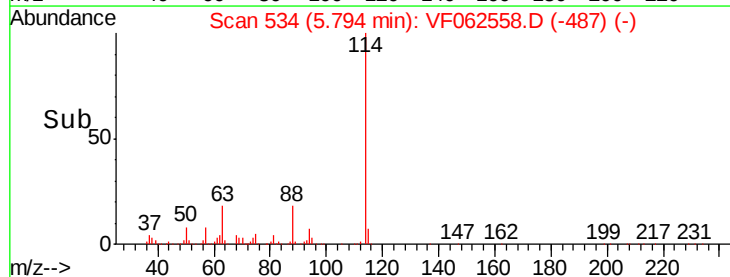
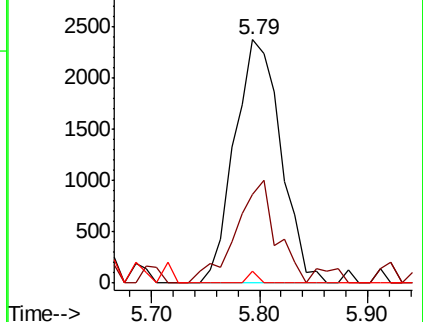
98 5.0 38.6 58.0#

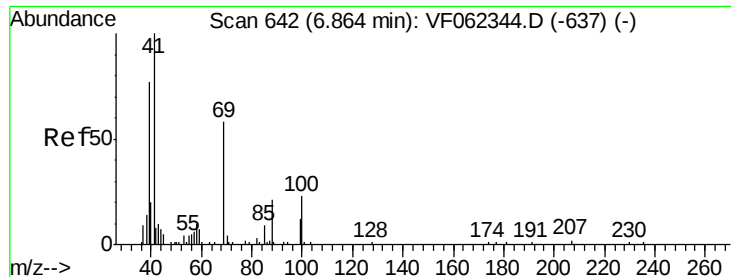


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

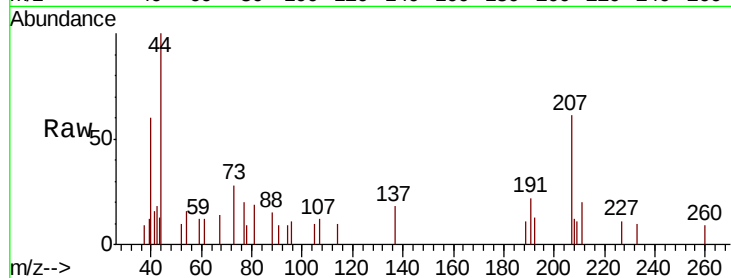




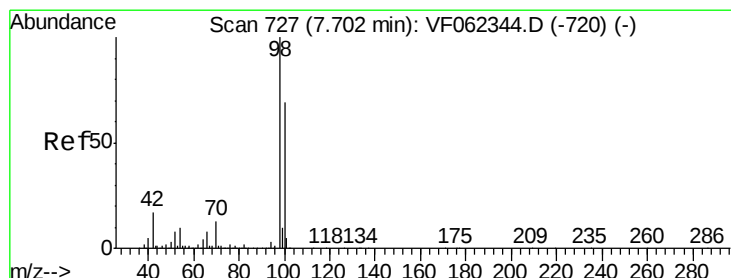
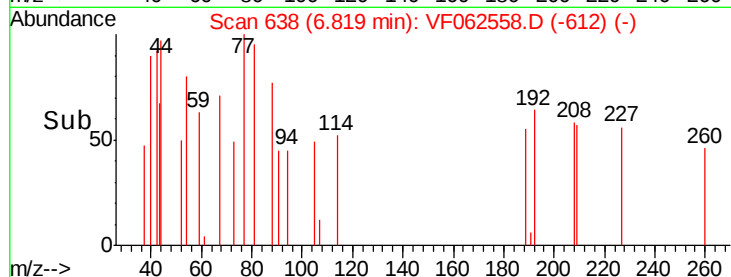
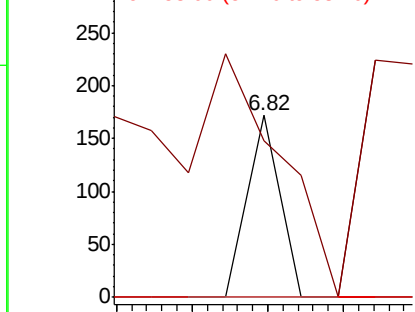
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.82 min Scan# 638
Delta R.T. -0.05 min
Lab File: VF062558.D
Acq: 13 May 2019 22:55

Instrument :
MSVOA_F
ClientSampleId :
SU-02-050919-A

Tot Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 0.0 55.6 83.4#
58 0.0 52.8 79.2#

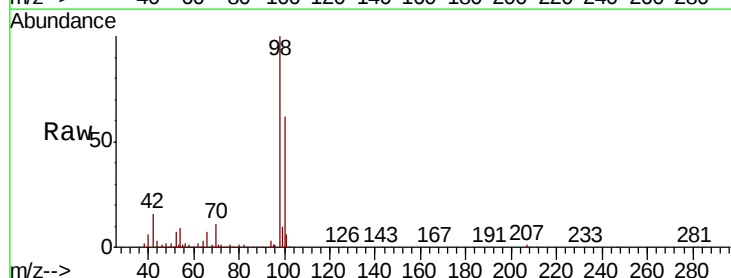


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

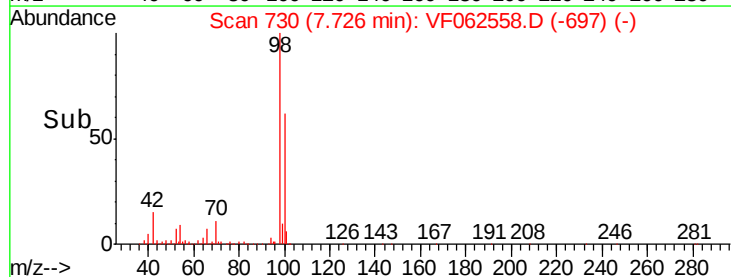
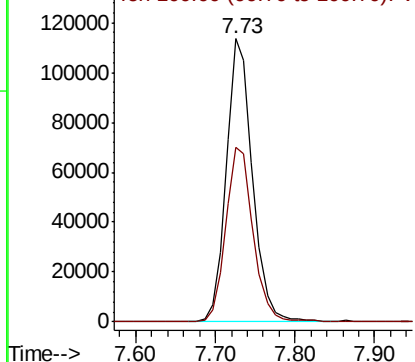


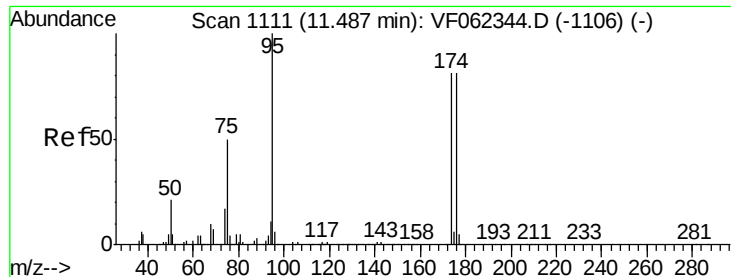
#50
Toluene-d8
Concen: 27.508 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062558.D
Acq: 13 May 2019 22:55

Tgt Ion: 98 Resp: 261991
Ion Ratio Lower Upper
98 100
100 64.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 32.787 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062558.D

Acq: 13 May 2019 22:55

Instrument :

MSVOA_F

ClientSampleId :

SU-02-050919-A

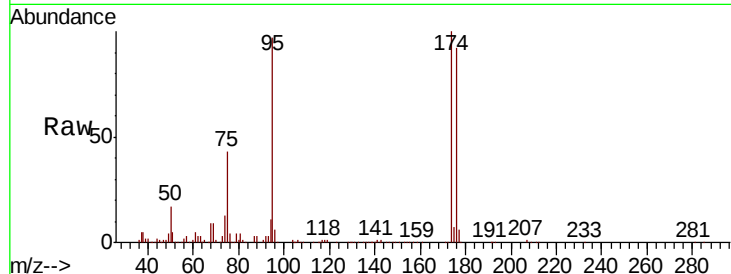
Tot Ion: 95 Resp: 140887

Ion Ratio Lower Upper

95 100

174 101.1 0.0 191.8

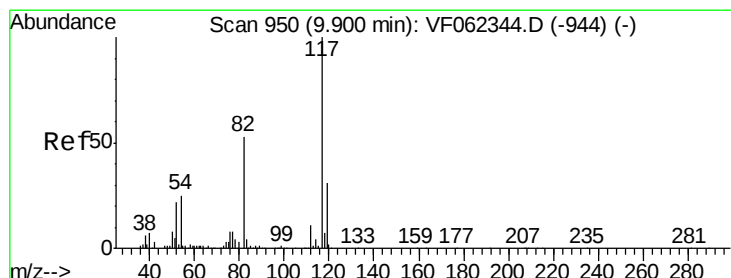
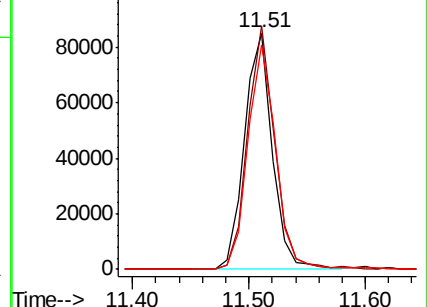
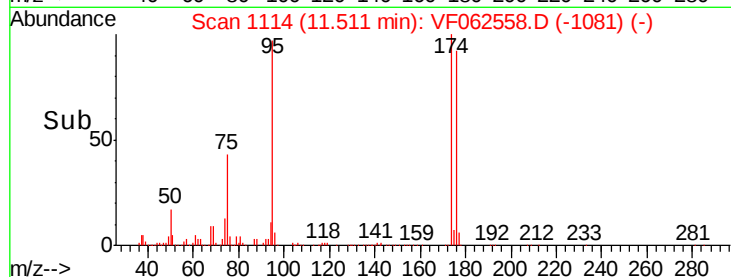
176 95.8 0.0 193.2



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: 9.92 min Scan# 953

Delta R.T. 0.02 min

Lab File: VF062558.D

Acq: 13 May 2019 22:55

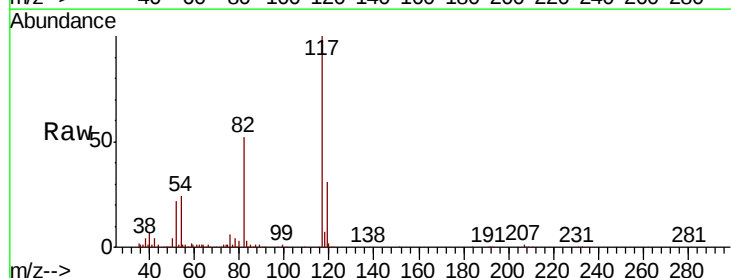
Tgt Ion: 117 Resp: 358961

Ion Ratio Lower Upper

117 100

82 52.0 42.2 63.2

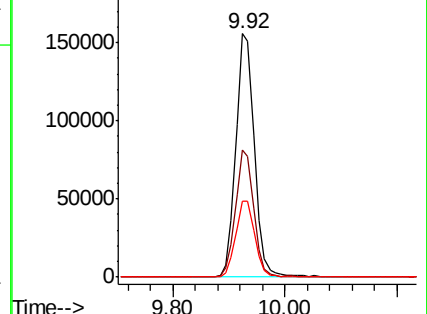
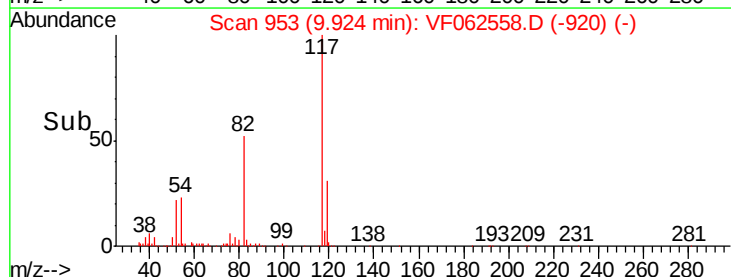
119 31.2 25.0 37.4

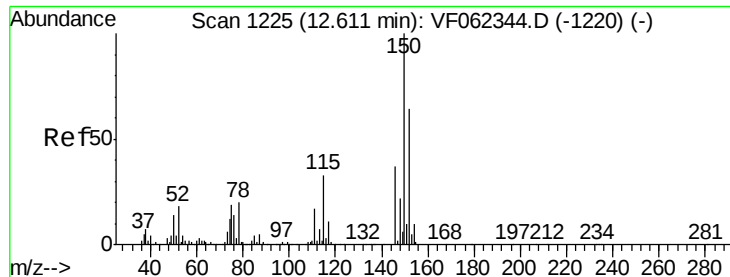


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



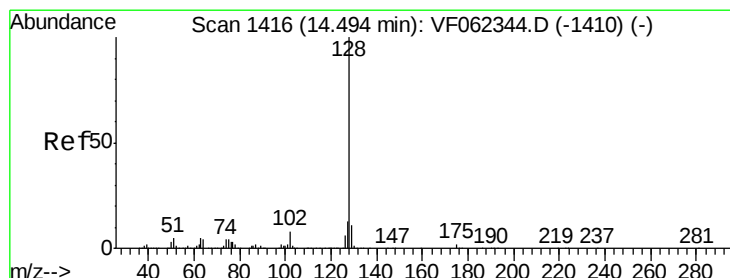
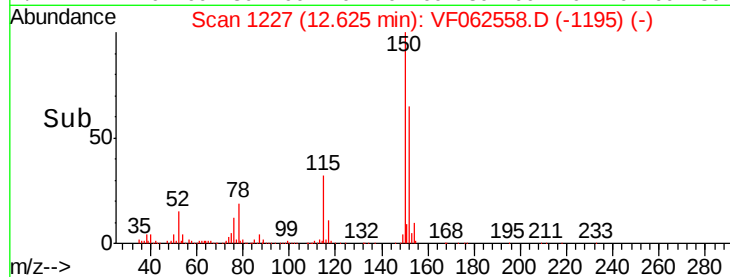
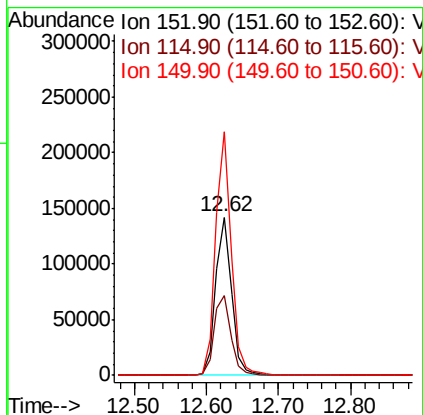
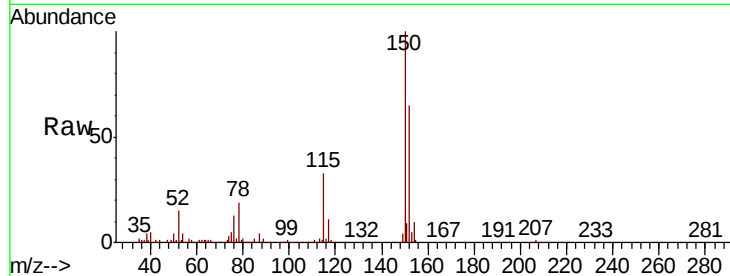


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062558.D
Acq: 13 May 2019 22:55

Instrument :
MSVOA_F
ClientSampleId :
SU-02-050919-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.3	26.4	79.2
150	151.6	0.0	335.0



#95

Naphthalene
Concen: 11.596 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062558.D
Acq: 13 May 2019 22:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.5	15.7
129	11.2	8.6	12.8

