

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
 Data File : VF062362.D
 Acq On : 7 May 2019 17:25
 Operator : FY/SY
 Sample : K2635-07
 Misc : 6.26g/5mL/MSVOA_F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 AU-05-050219-D

Quant Time: May 07 17:48:42 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	5.04	168	315572	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	434284	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	333209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	189680	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	145104	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
35) Dibromofluoromethane	4.29	113	163259	47.19	ug/l	-0.01
Spiked Amount			Recovery	=	94.38%	
50) Toluene-d8	7.70	98	326800	39.02	ug/l	0.00
Spiked Amount			Recovery	=	78.04%	
62) 4-Bromofluorobenzene	11.49	95	145946	38.62	ug/l	0.00
Spiked Amount			Recovery	=	77.24%	

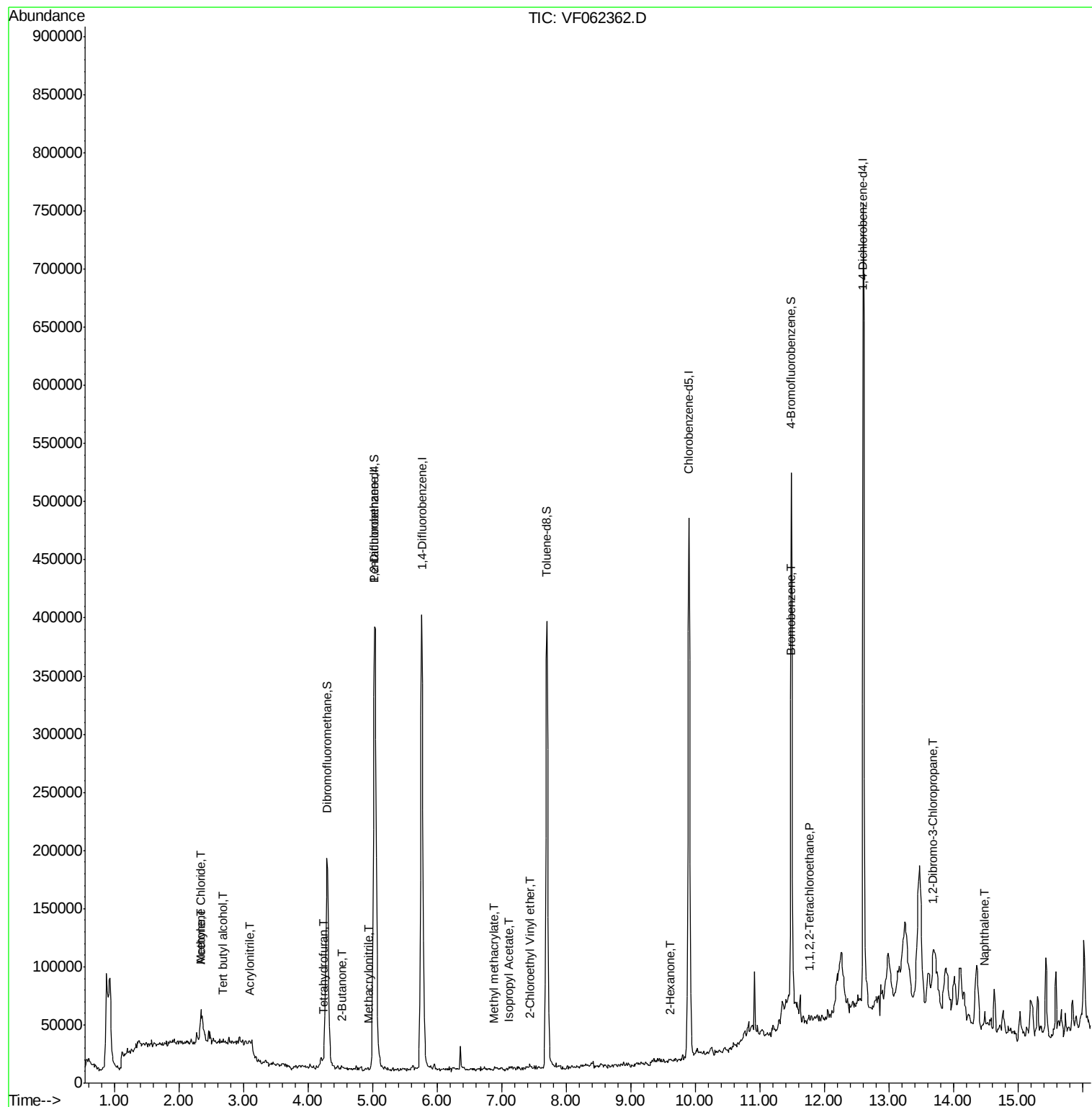
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.42	94	527	Below Cal	#	3
11) Tert butyl alcohol	2.68	59	1921	11.397	ug/l #	79
13) Acrolein	2.12	56	833	Below Cal	#	13
15) Acrylonitrile	3.08	53	642	2.011	ug/l #	1
16) Acetone	2.34	43	16662	27.618	ug/l #	91
18) Methyl Acetate	2.46	43	2937	Below Cal	#	17
20) Methylene Chloride	2.35	84	13450	6.162	ug/l	88
25) 2-Butanone	4.51	43	801	1.057	ug/l #	60
29) Tetrahydrofuran	4.23	42	2291	6.577	ug/l #	51
37) Ethyl Acetate	4.28	43	1862	Below Cal	#	89
38) Carbon Tetrachloride	4.17	117	804	Below Cal	#	90
41) Methacrylonitrile	4.93	41	944	1.055	ug/l #	18
43) Isopropyl Acetate	7.12	43	1873	1.104	ug/l #	54
48) Methyl methacrylate	6.87	41	1445	1.205	ug/l #	46
49) 1,4-Dioxane	6.87	88	160	Below Cal	#	1
58) 2-Chloroethyl Vinyl ether	7.44	63	1543	3.022	ug/l #	75
59) 2-Hexanone	9.62	43	2391	2.689	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.76	83	2462	1.398	ug/l #	57
77) Bromobenzene	11.47	156	60464	20.488	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.68	75	661	1.676	ug/l #	1
95) Naphthalene	14.48	128	9235	1.313	ug/l	95

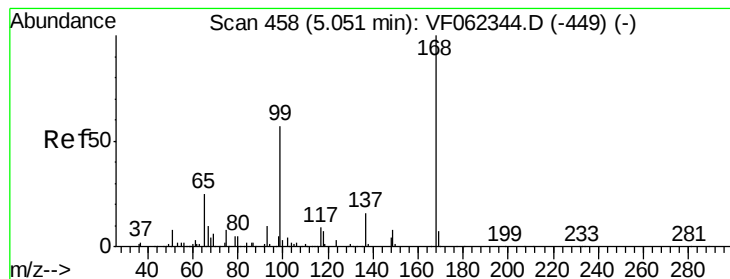
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
Data File : VF062362.D
Acq On : 7 May 2019 17:25
Operator : FY/SY
Sample : K2635-07
Misc : 6.26g/5mL/MSVOA_F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-D

Quant Time: May 07 17:48:42 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: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

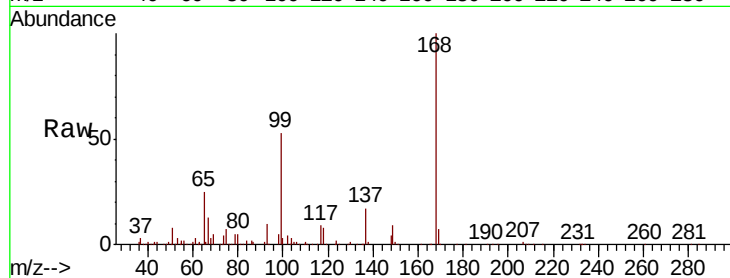
AU-05-050219-D

Tgt Ion:168 Resp: 315572

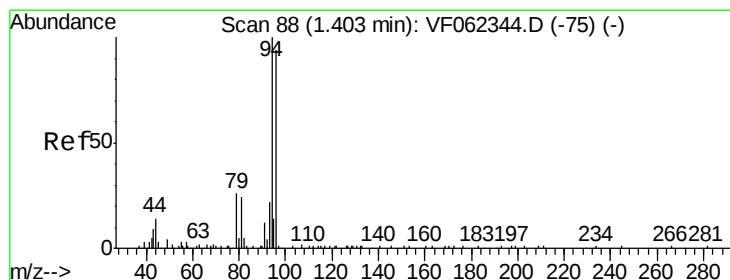
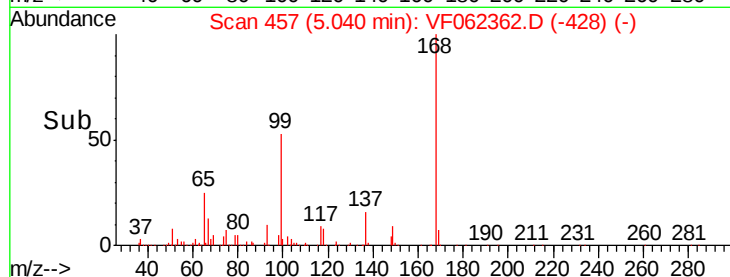
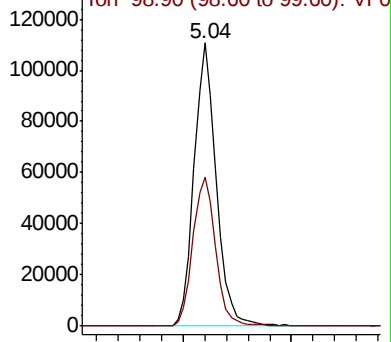
Ion Ratio Lower Upper

168 100

99 52.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062362.D

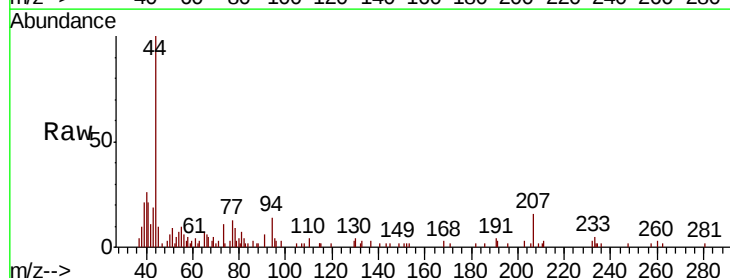
Acq: 7 May 2019 17:25

Tgt Ion: 94 Resp: 527

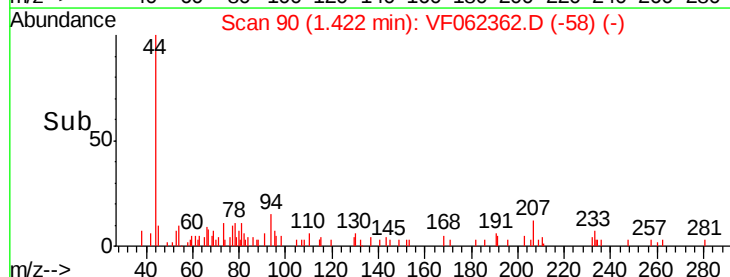
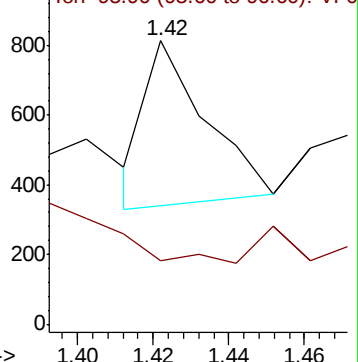
Ion Ratio Lower Upper

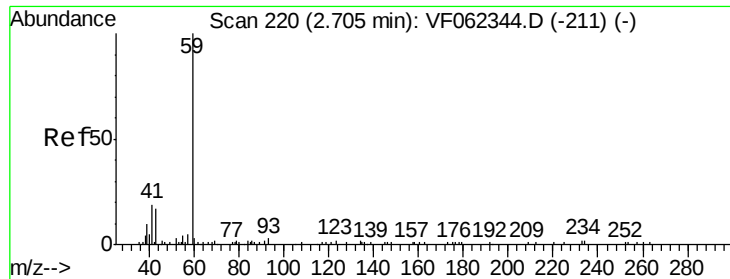
94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

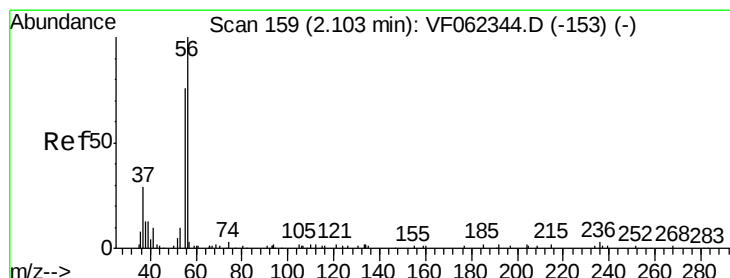
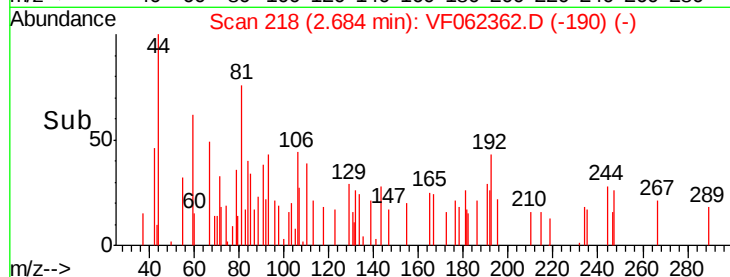
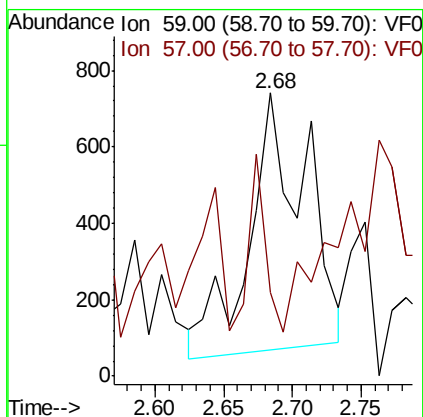
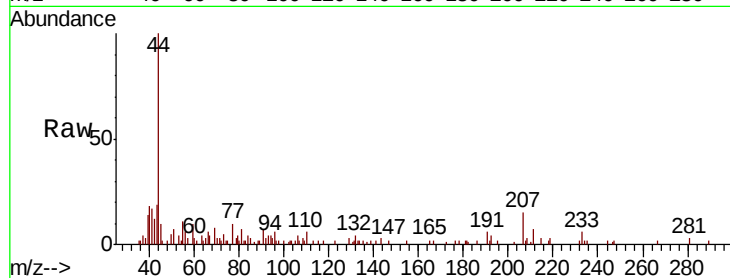




#11
Tert butyl alcohol
Concen: 11.397 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062362.D
Acq: 7 May 2019 17:25

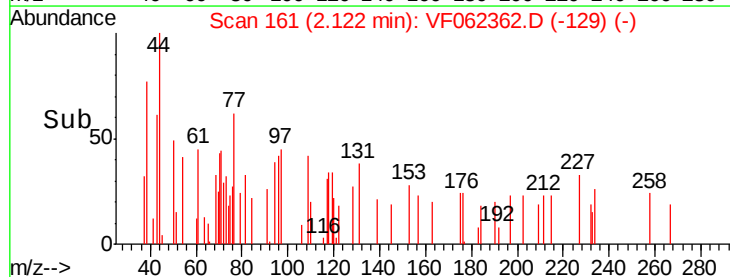
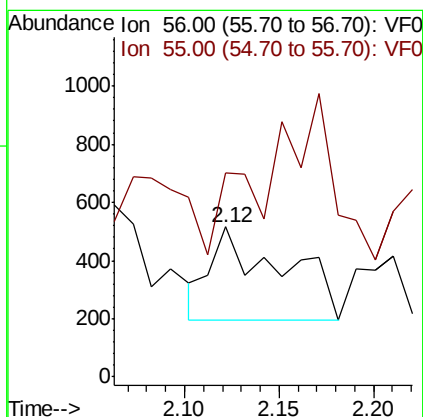
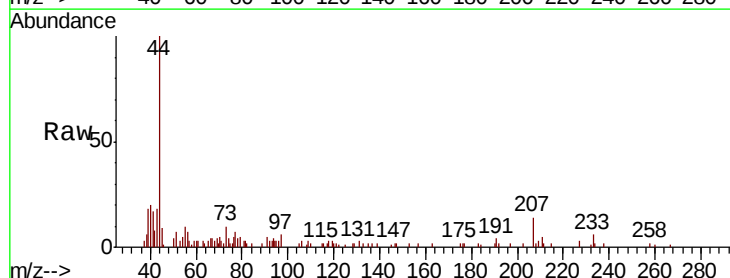
Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-D

Tgt Ion: 59 Resp: 1921
Ion Ratio Lower Upper
59 100
57 19.7 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062362.D
Acq: 7 May 2019 17:25

Tgt Ion: 56 Resp: 833
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#15

Acrylonitrile

Concen: 2.011 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

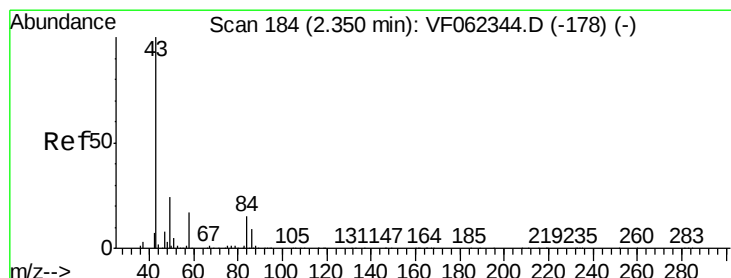
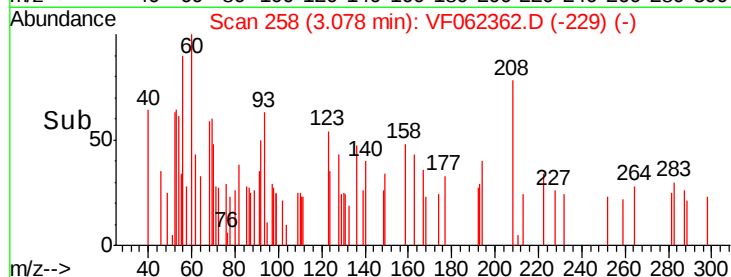
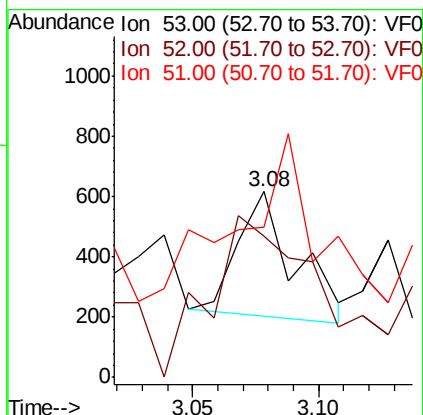
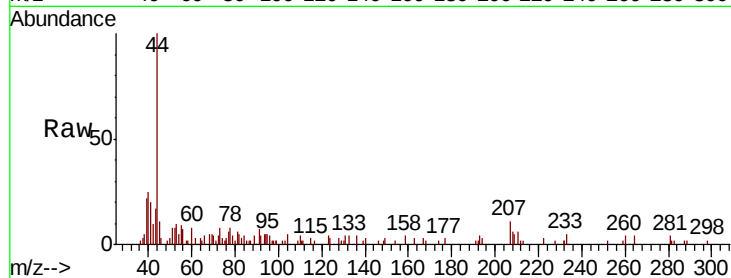
Tgt Ion: 53 Resp: 642

Ion Ratio Lower Upper

53 100

52 283.8 77.2 115.8#

51 183.2 40.6 61.0#



#16

Acetone

Concen: 27.618 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062362.D

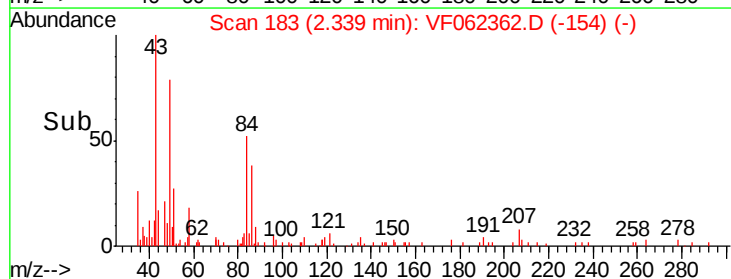
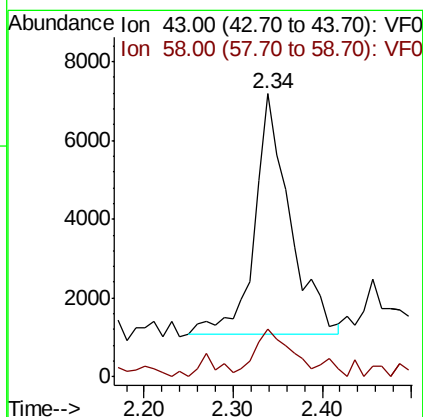
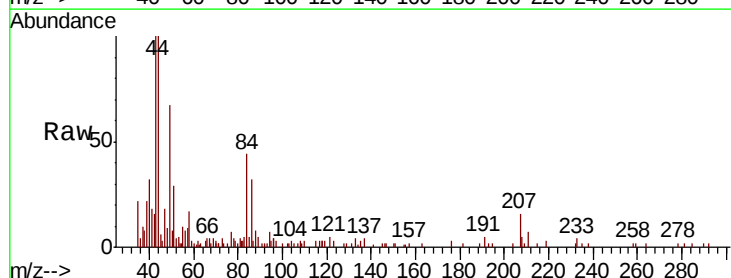
Acq: 7 May 2019 17:25

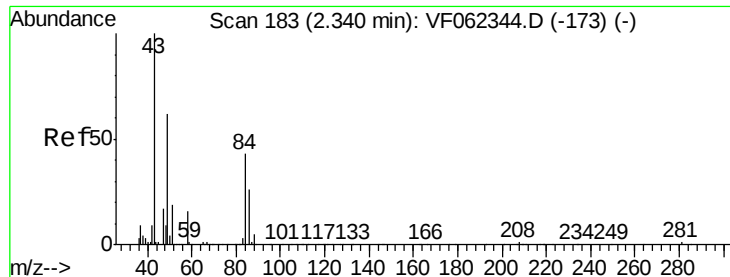
Tgt Ion: 43 Resp: 16662

Ion Ratio Lower Upper

43 100

58 20.1 13.1 19.7#





#20

Methylene Chloride

Concen: 6.162 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

Tgt Ion: 84 Resp: 13450

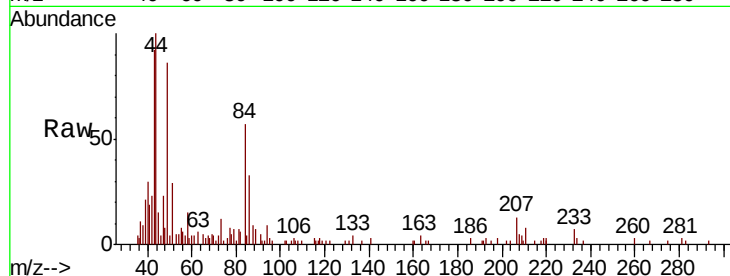
Ion Ratio Lower Upper

84 100

49 132.2 117.5 176.3

51 37.5 37.0 55.4

86 52.9 49.3 73.9

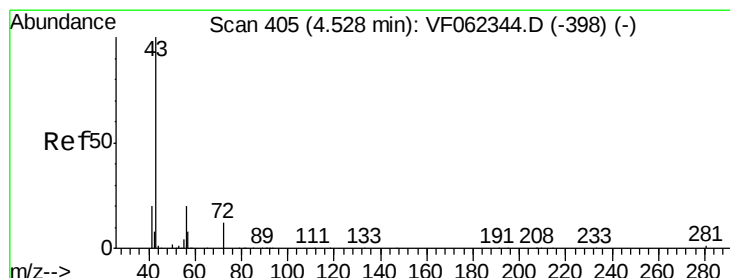
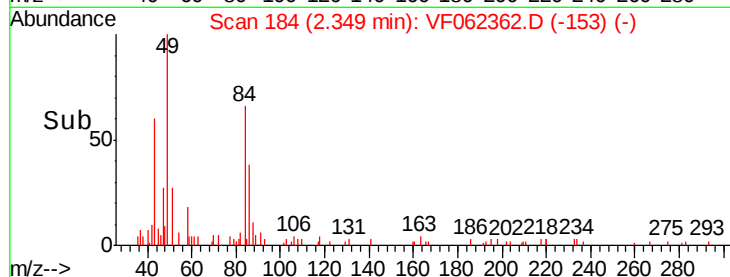
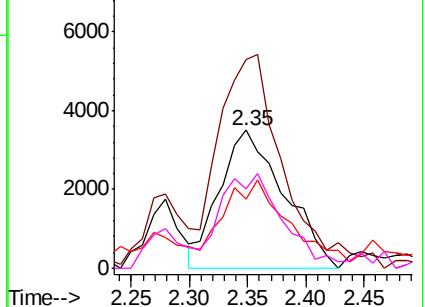


Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0



#25

2-Butanone

Concen: 1.057 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF062362.D

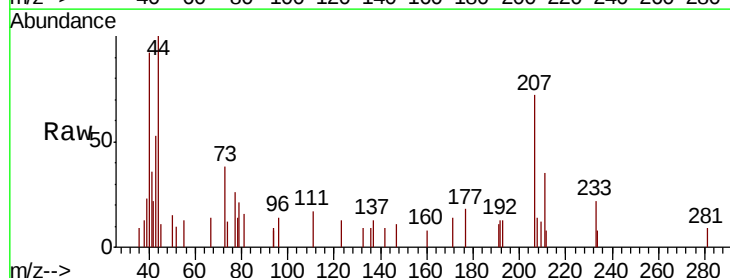
Acq: 7 May 2019 17:25

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

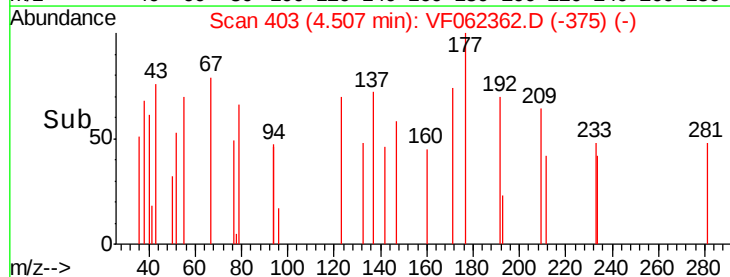
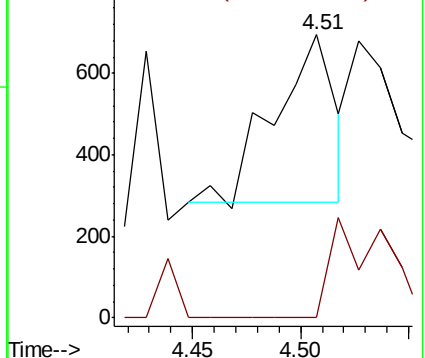
43 100

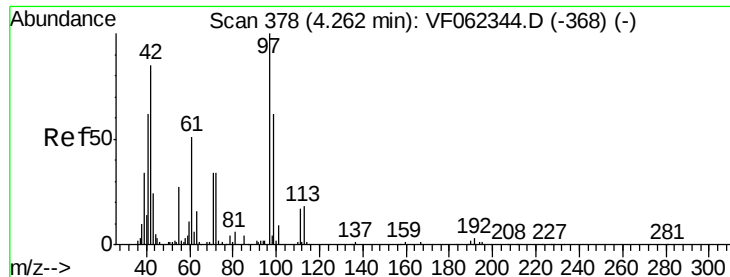
72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 6.577 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

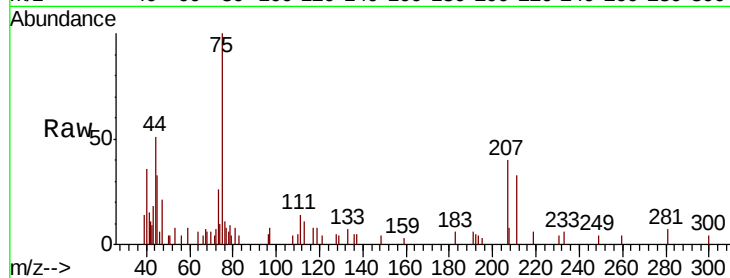
Tgt Ion: 42 Resp: 2291

Ion Ratio Lower Upper

42 100

72 12.1 31.4 47.0#

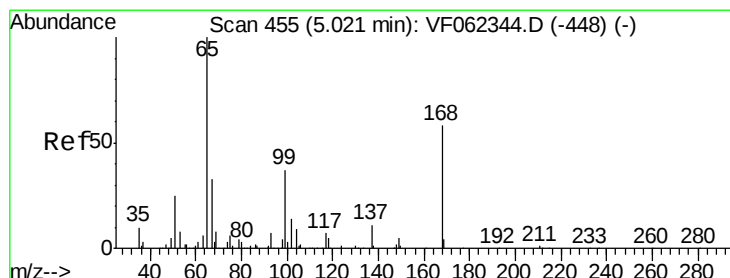
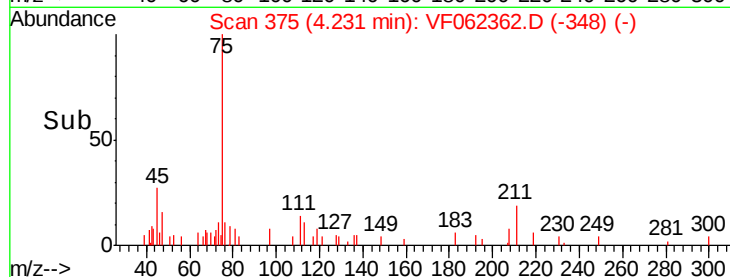
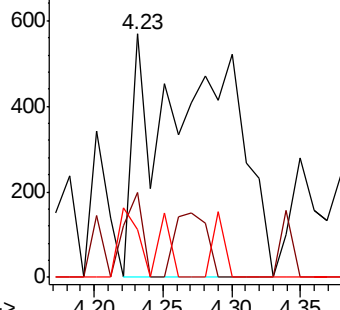
71 7.1 31.7 47.5#



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: 48.655 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF062362.D

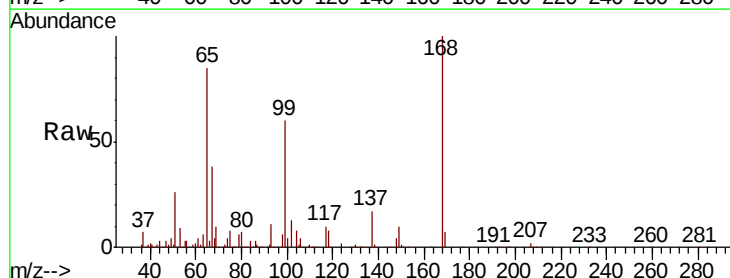
Acq: 7 May 2019 17:25

Tgt Ion: 65 Resp: 145104

Ion Ratio Lower Upper

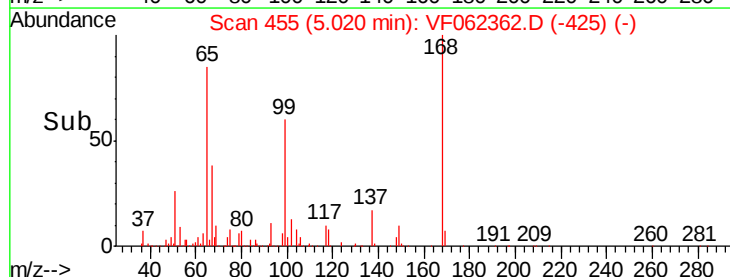
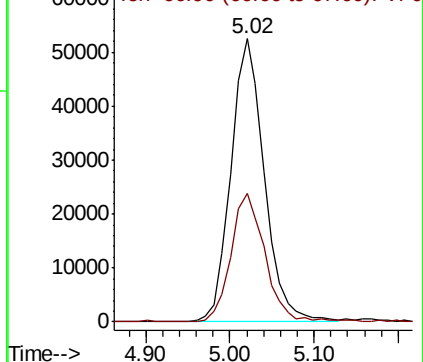
65 100

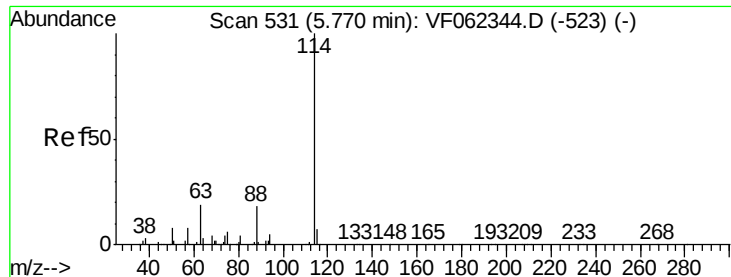
67 46.5 0.0 85.8



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: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

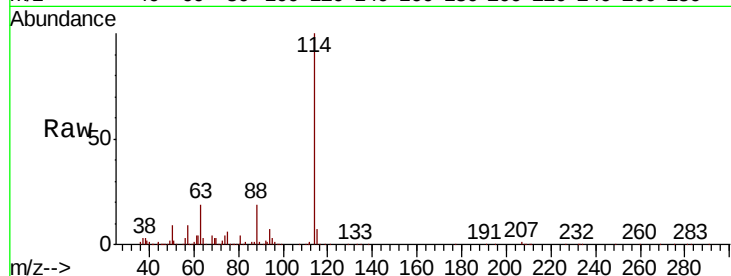
Tgt Ion:114 Resp: 434284

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

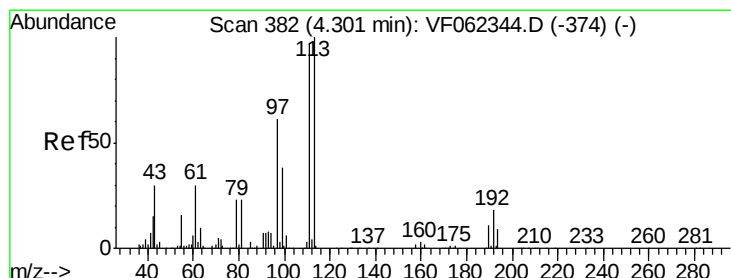
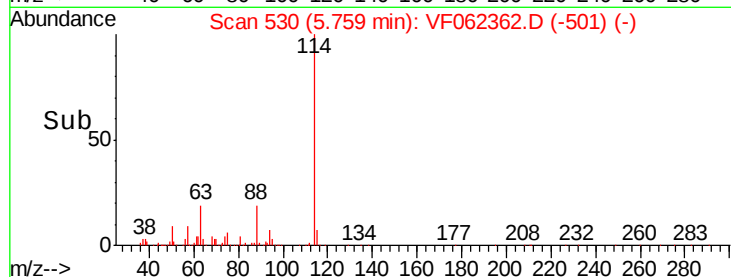
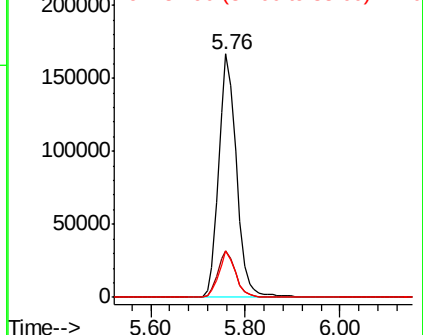
88 19.0 0.0 36.4



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: 47.186 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

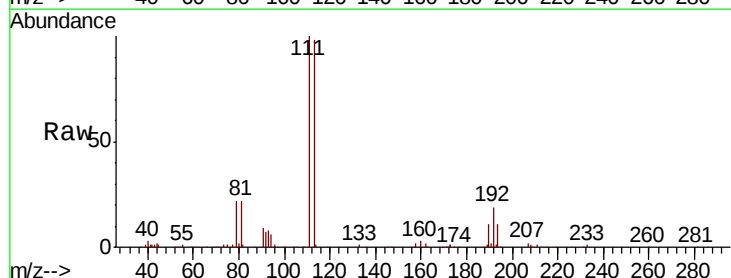
Tgt Ion:113 Resp: 163259

Ion Ratio Lower Upper

113 100

111 100.7 79.4 119.0

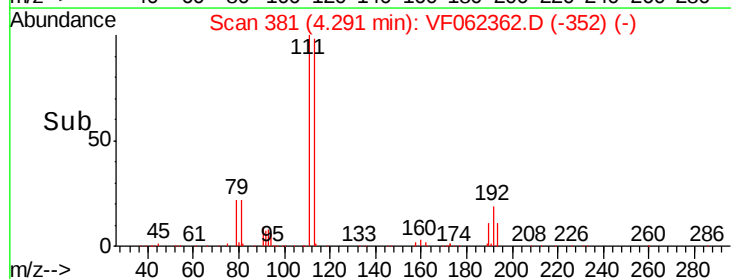
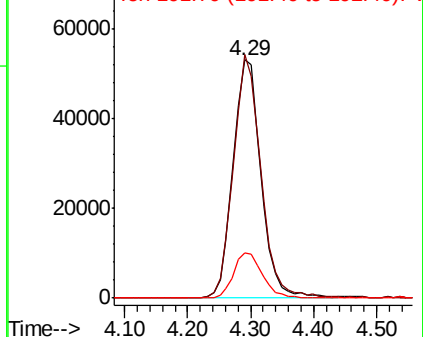
192 19.5 16.0 24.0

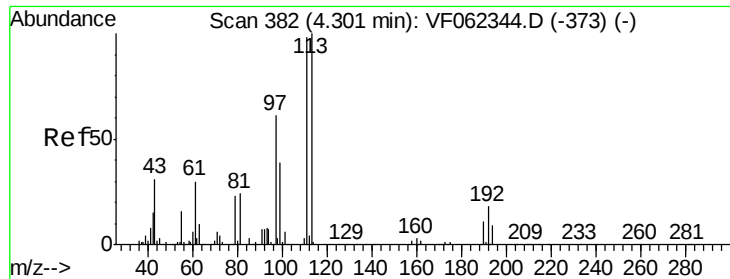


Abundance Ion 112.80 (112.50 to 113.50): V

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: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

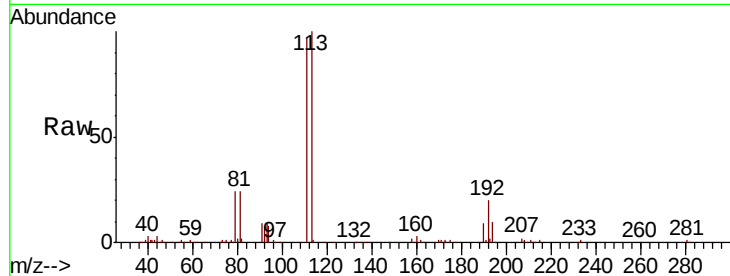
Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

43 100

61 22.4 0.0 0.0#

70 14.2 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

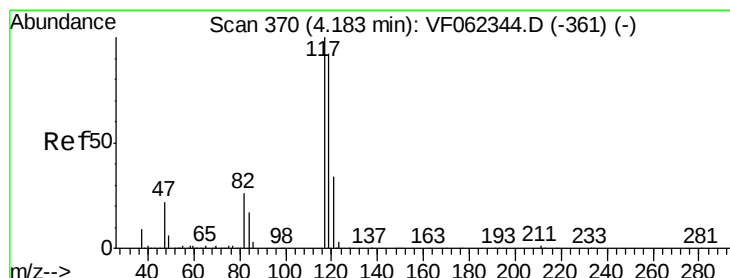
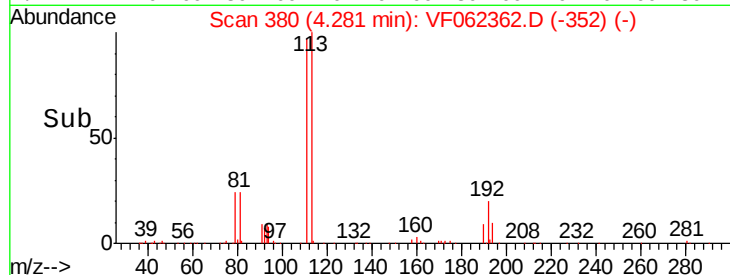
4.28

4.20

4.25

4.30

Time-->



#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.17 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

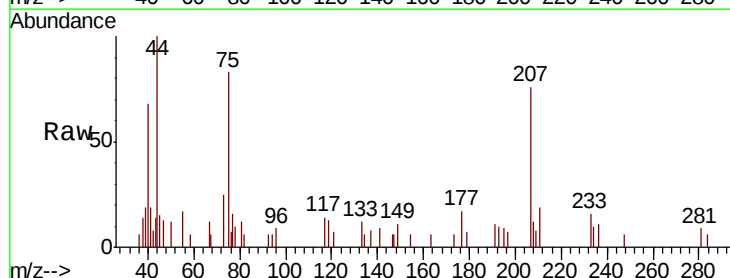
Tgt Ion: 117 Resp: 804

Ion Ratio Lower Upper

117 100

119 96.1 73.4 110.2

121 49.0 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

4.17

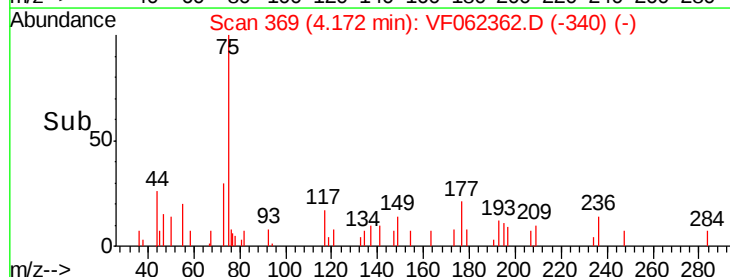
4.10

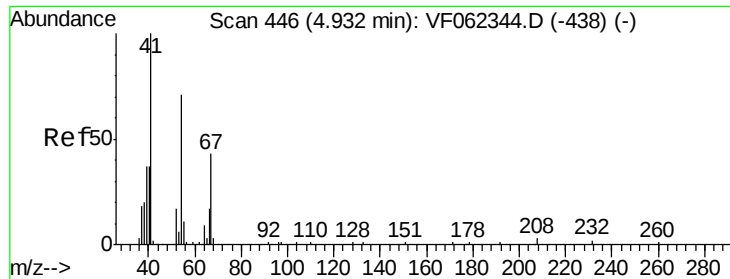
4.15

4.20

4.25

Time-->





#41

Methacrylonitrile

Concen: 1.055 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

Tgt Ion: 41 Resp: 944

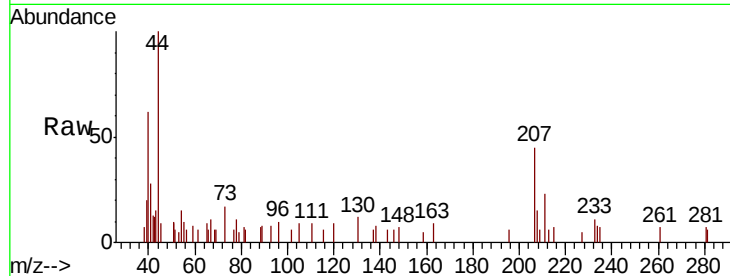
Ion Ratio Lower Upper

41 100

39 0.0 54.3 81.5#

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

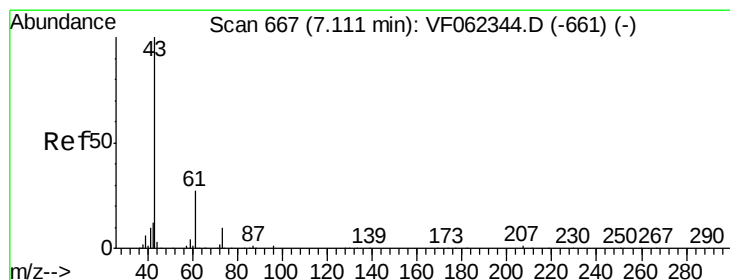
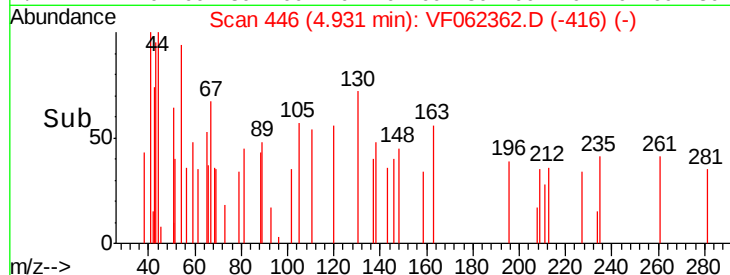
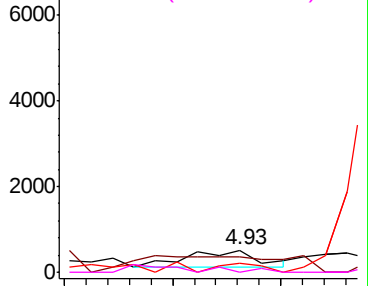


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#43

Isopropyl Acetate

Concen: 1.104 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

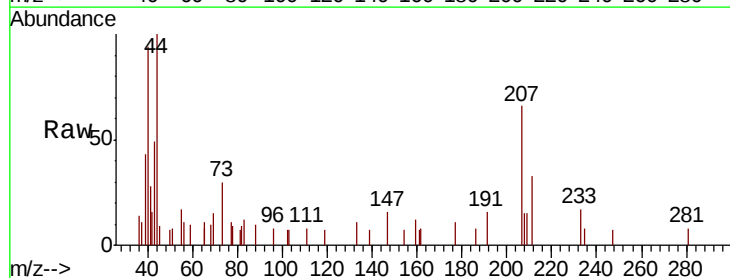
Tgt Ion: 43 Resp: 1873

Ion Ratio Lower Upper

43 100

61 3.4 22.8 34.2#

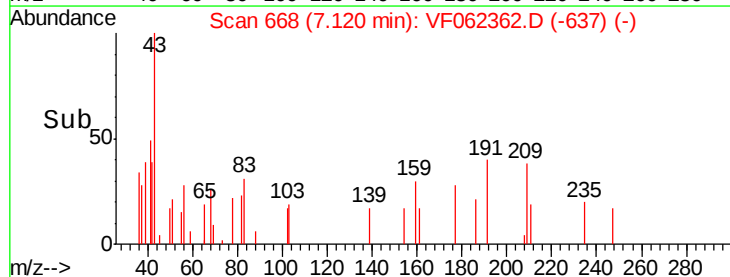
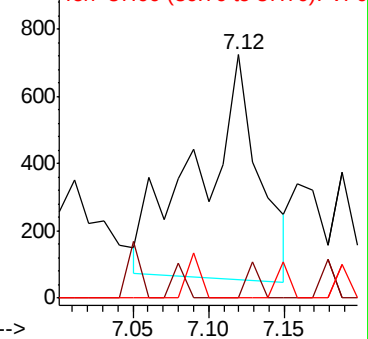
87 0.0 0.6 1.0#

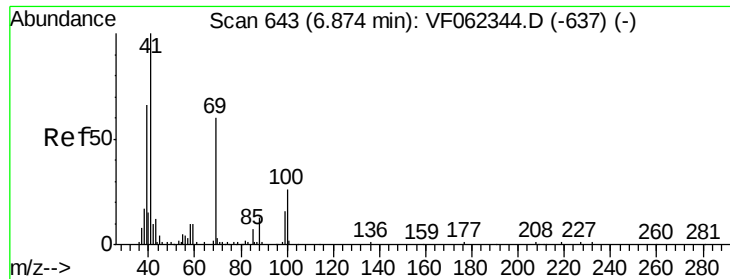


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

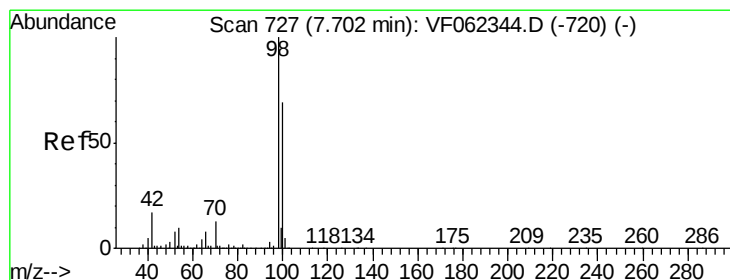
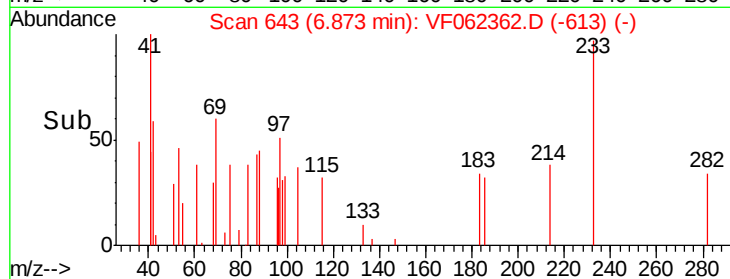
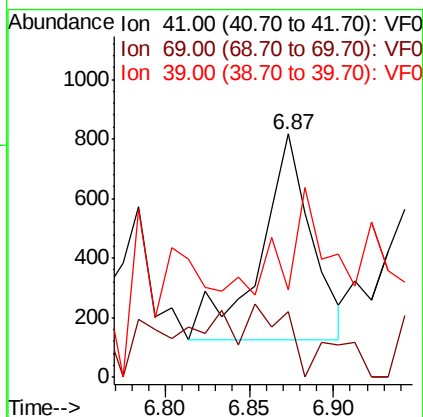
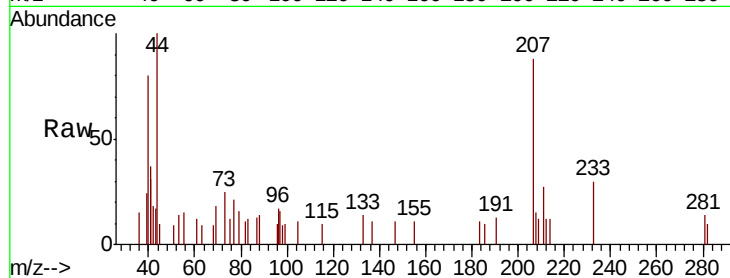




#48
Methyl methacrylate
Concen: 1.205 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF062362.D
Acq: 7 May 2019 17:25

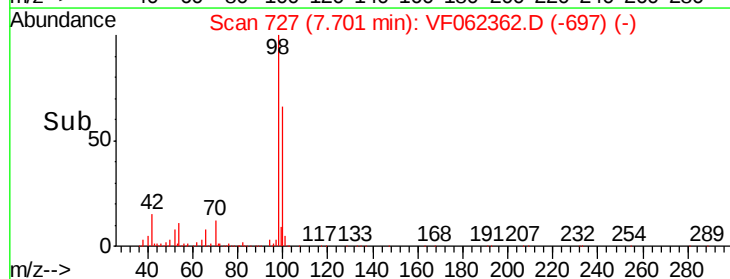
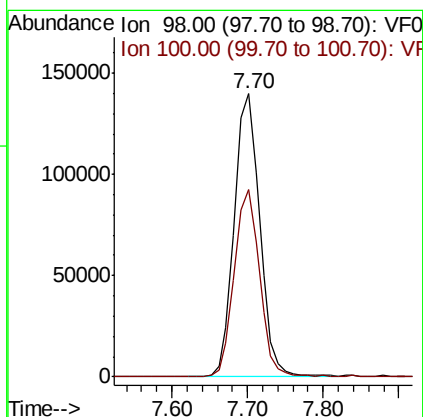
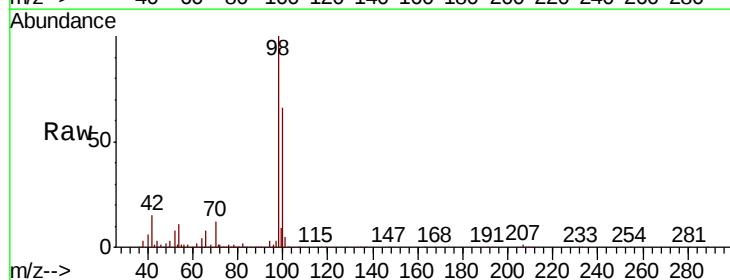
Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-D

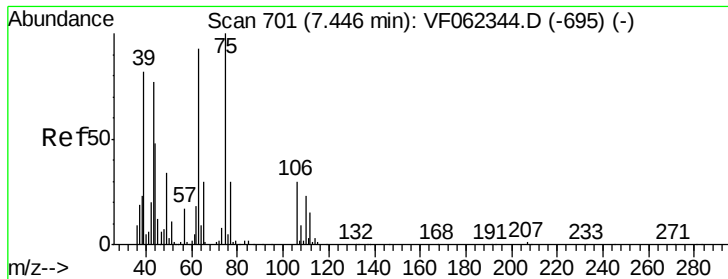
Tgt Ion: 41 Resp: 1445
Ion Ratio Lower Upper
41 100
69 0.0 48.6 72.8#
39 43.5 56.1 84.1#



#50
Toluene-d8
Concen: 39.020 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062362.D
Acq: 7 May 2019 17:25

Tgt Ion: 98 Resp: 326800
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9

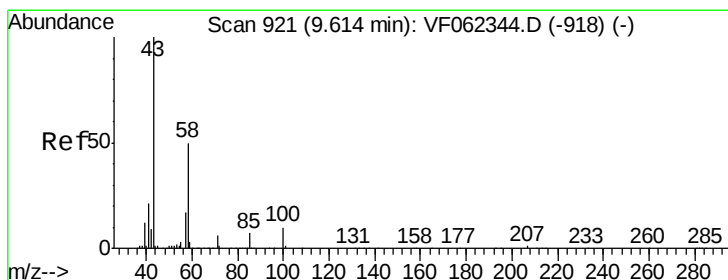
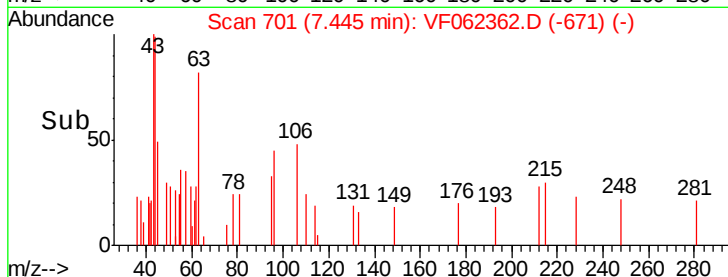
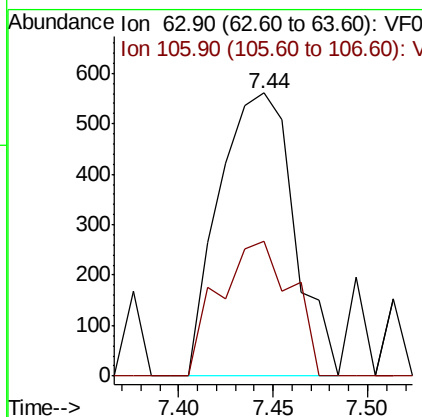
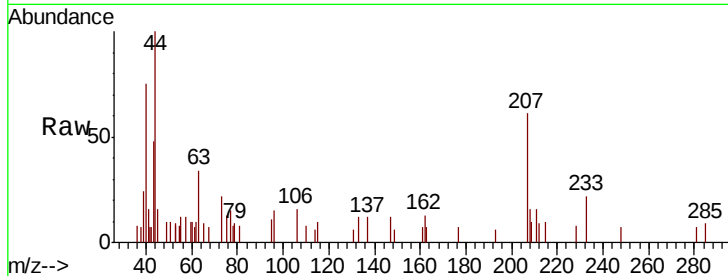




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.022 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: VF062362.D
 Acq: 7 May 2019 17:25

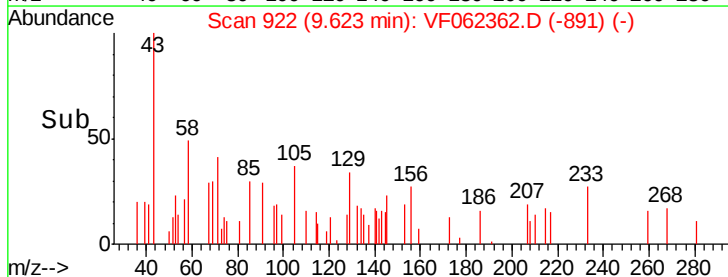
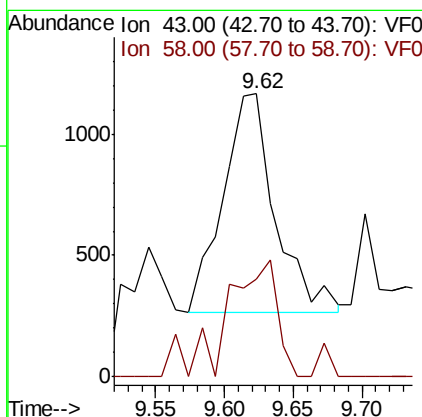
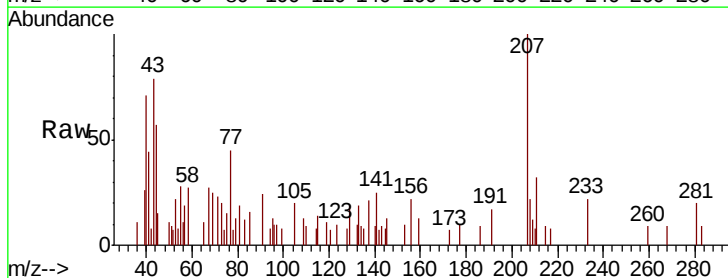
Instrument :
 MSVOA_F
 ClientSampleId :
 AU-05-050219-D

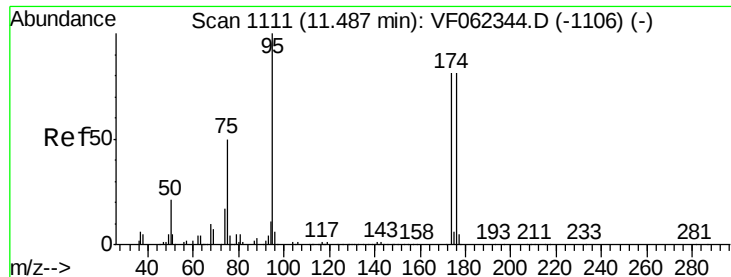
Tgt Ion: 63 Resp: 1543
 Ion Ratio Lower Upper
 63 100
 106 46.2 25.8 38.8#



#59
 2-Hexanone
 Concen: 2.689 ug/l
 RT: 9.62 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VF062362.D
 Acq: 7 May 2019 17:25

Tgt Ion: 43 Resp: 2391
 Ion Ratio Lower Upper
 43 100
 58 48.5 24.3 73.0





#62

4-Bromofluorobenzene

Concen: 38.625 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

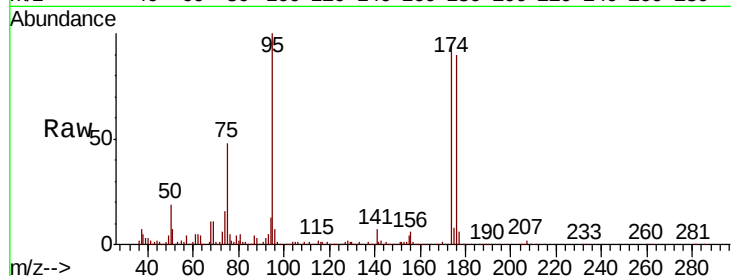
Tgt Ion: 95 Resp: 145946

Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.8

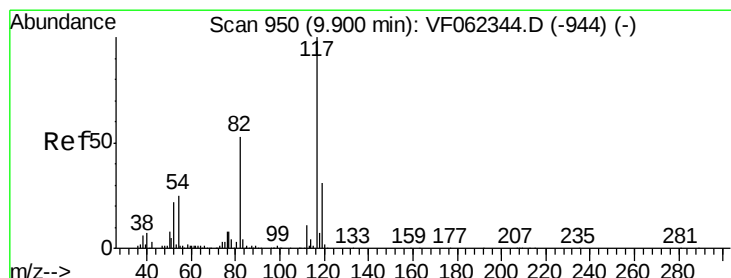
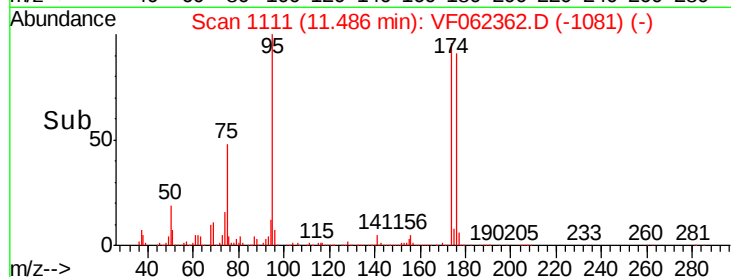
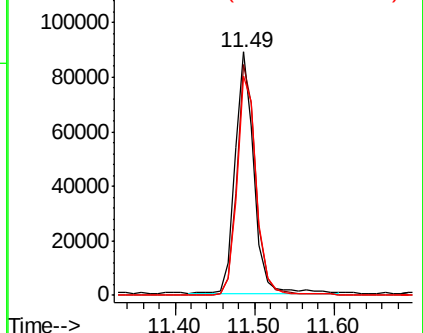
176 94.4 0.0 193.2



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: 9.90 min Scan# 950

Delta R.T. -0.00 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

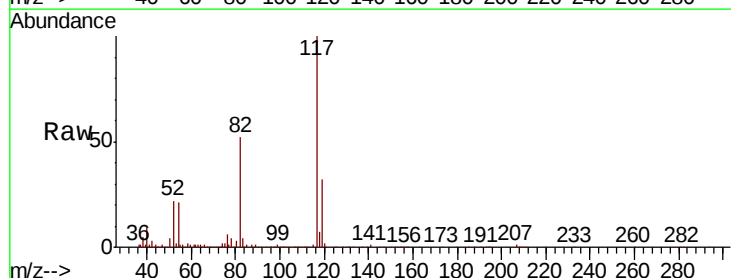
Tgt Ion: 117 Resp: 333209

Ion Ratio Lower Upper

117 100

82 51.8 42.2 63.2

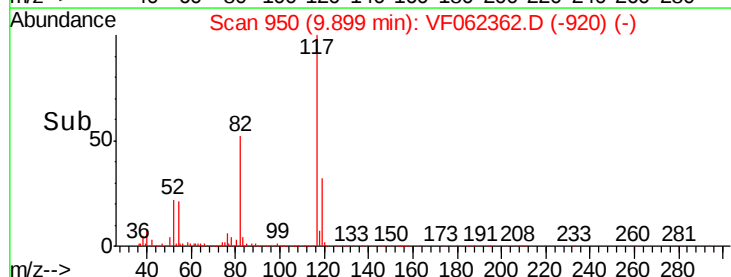
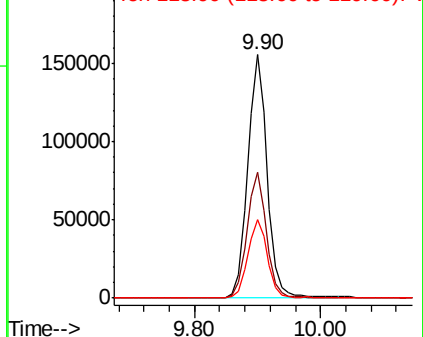
119 32.3 25.0 37.4

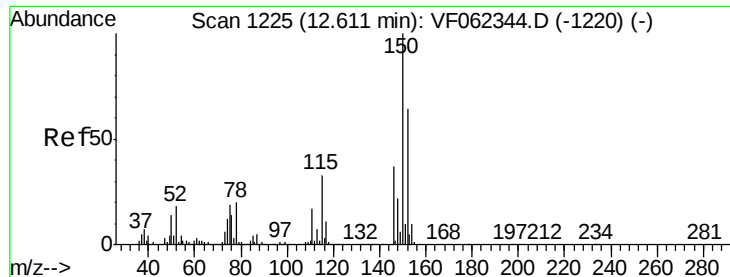


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

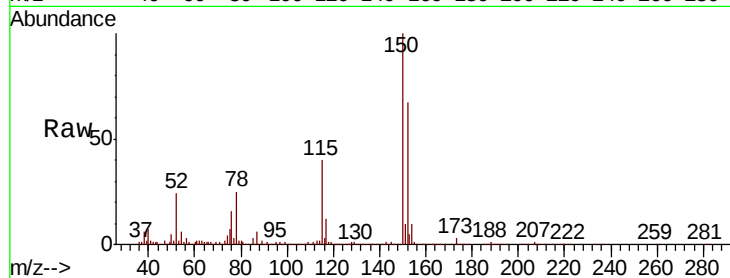
Tgt Ion: 152 Resp: 189680

Ion Ratio Lower Upper

152 100

115 55.9 26.4 79.2

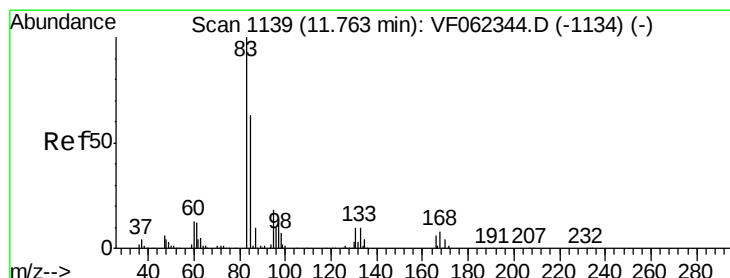
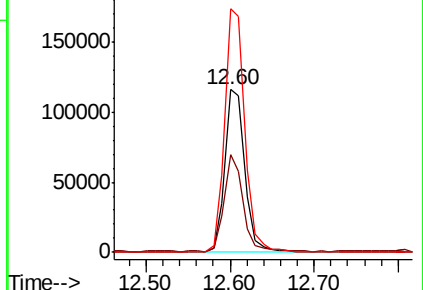
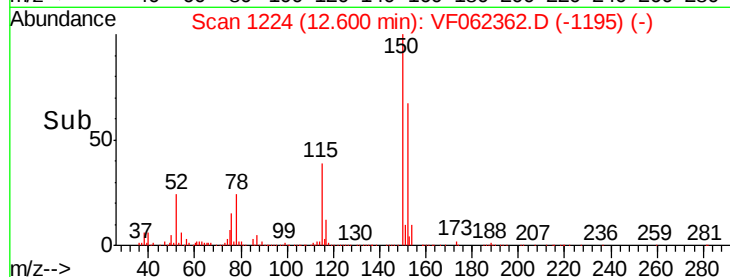
150 151.2 0.0 335.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.398 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

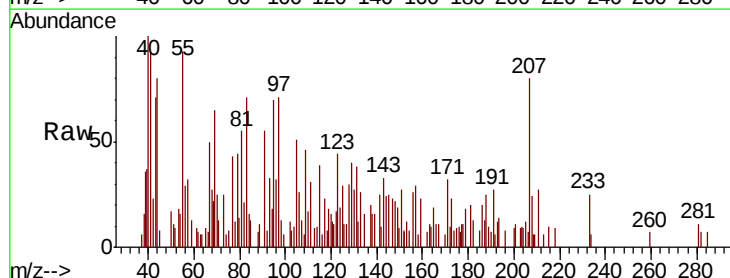
Tgt Ion: 83 Resp: 2462

Ion Ratio Lower Upper

83 100

131 38.3 5.8 17.4#

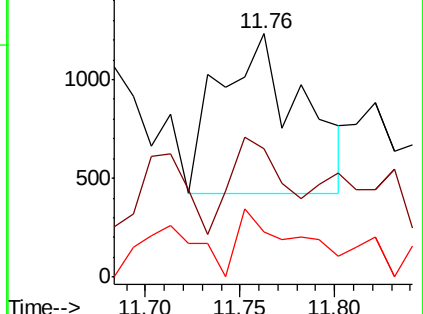
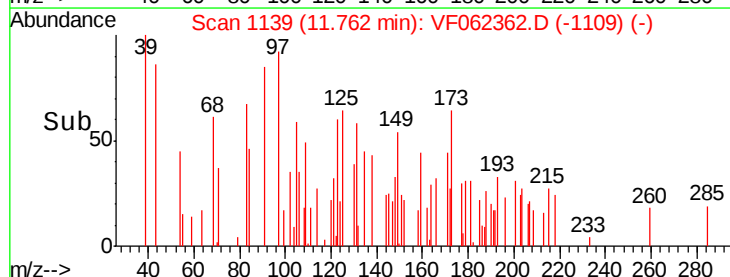
85 38.8 35.3 105.7

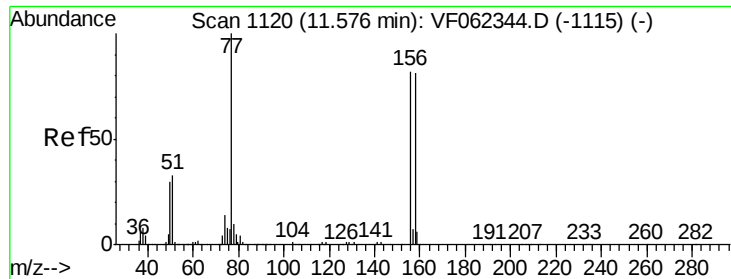


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#77

Bromobenzene

Concen: 20.488 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.11 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-D

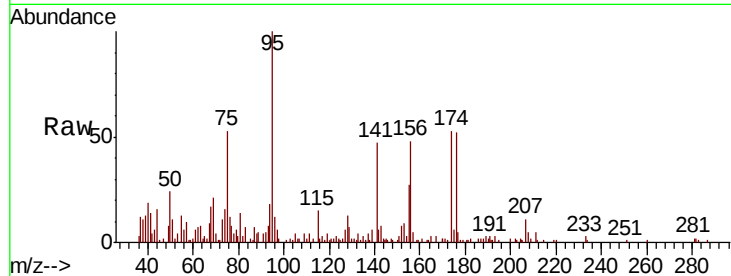
Tgt Ion:156 Resp: 60464

Ion Ratio Lower Upper

156 100

77 3.1 64.8 194.3#

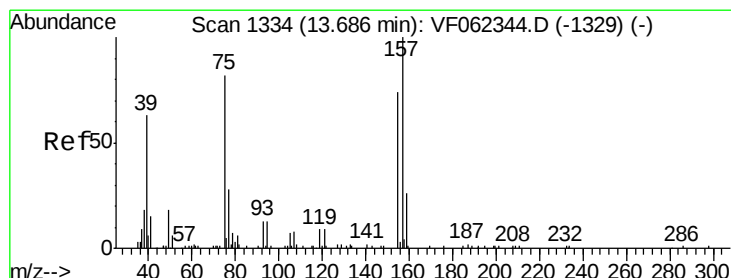
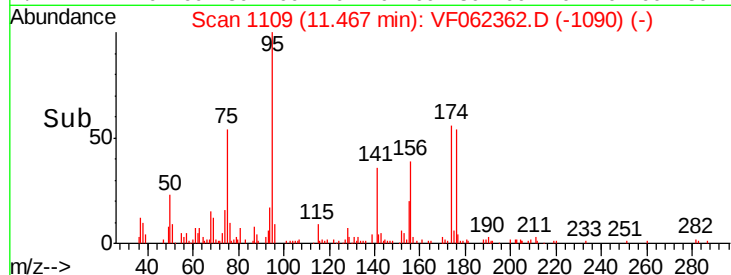
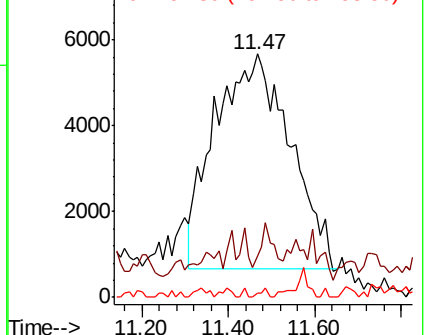
158 0.4 49.1 147.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.676 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062362.D

Acq: 7 May 2019 17:25

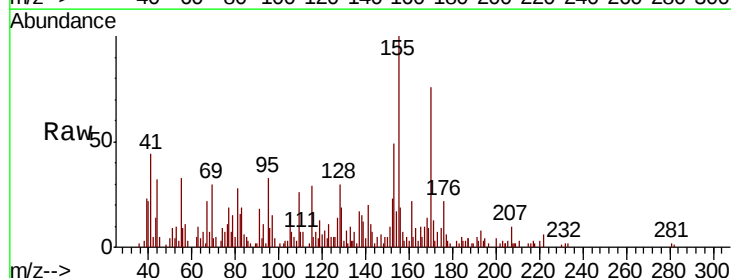
Tgt Ion: 75 Resp: 661

Ion Ratio Lower Upper

75 100

155 3878.5 51.8 155.4#

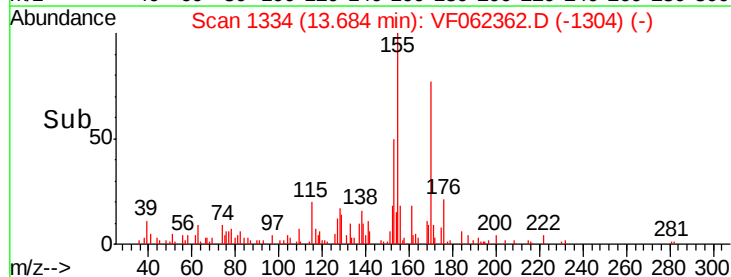
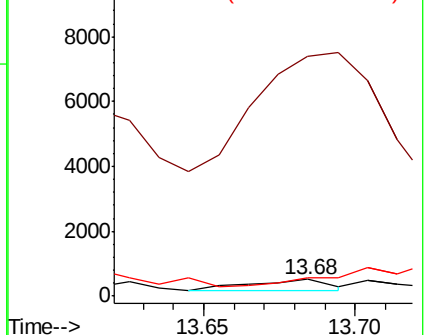
157 0.0 67.3 201.8#

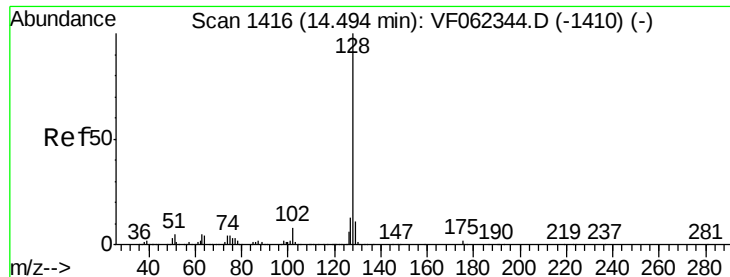


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

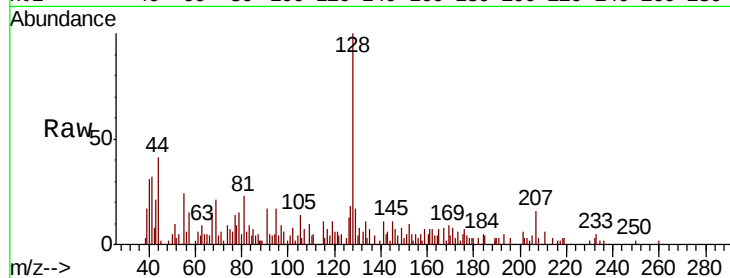




#95
Naphthalene
Concen: 1.313 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF062362.D
Acq: 7 May 2019 17:25

Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-D

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.5	15.7
129	9.1	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

