

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011687.D
 Acq On : 20 Aug 2019 16:12
 Operator : JC/SP
 Sample : K4413-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Aug 20 23:24:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	424139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	567826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	505252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	248931	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	202070	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
35) Dibromofluoromethane	5.49	113	168715	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
50) Toluene-d8	8.71	98	654389	56.55	ug/l	0.00
Spiked Amount			Recovery	=	113.10%	
62) 4-Bromofluorobenzene	11.13	95	224925	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	

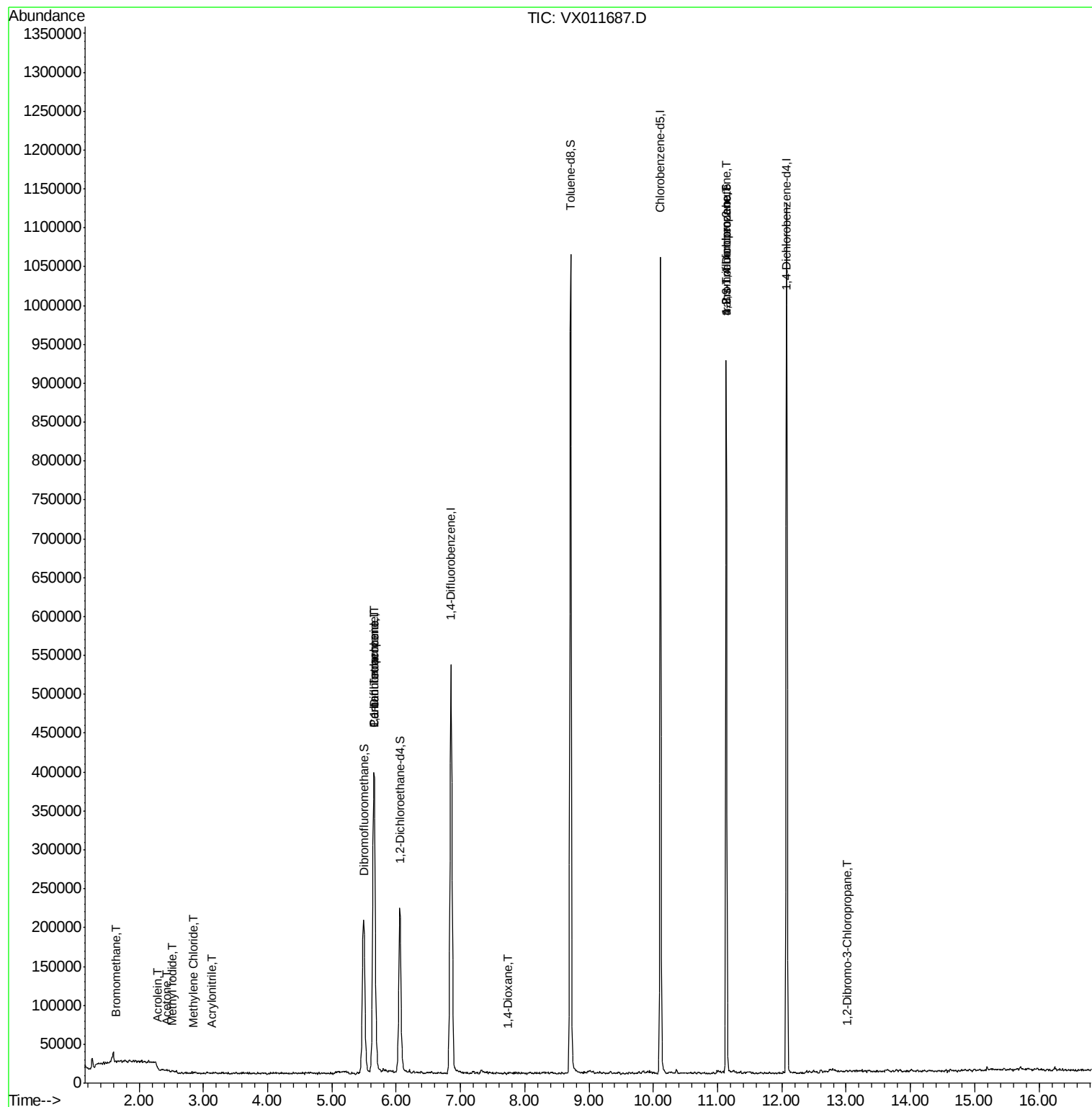
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	404	0.231	ug/l #	47
10) Methyl Iodide	2.51	142	1585	0.297	ug/l #	67
13) Acrolein	2.29	56	203	12.834	ug/l #	56
15) Acrylonitrile	3.13	53	454	0.206	ug/l #	45
16) Acetone	2.43	43	1376	0.696	ug/l #	68
20) Methylene Chloride	2.84	84	1076	0.259	ug/l #	38
36) 1,1-Dichloropropene	5.66	75	24245	4.994	ug/l #	51
38) Carbon Tetrachloride	5.66	117	34584	6.466	ug/l #	15
49) 1,4-Dioxane	7.73	88	195	1.699	ug/l #	8
76) 1,2,3-Trichloropropane	11.13	75	106622	22.588	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	106622	60.185	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	307	0.241	ug/l #	1

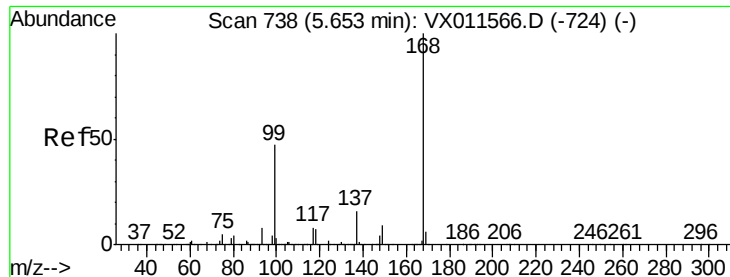
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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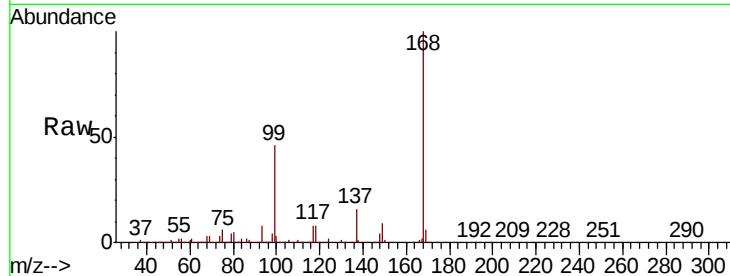


#1

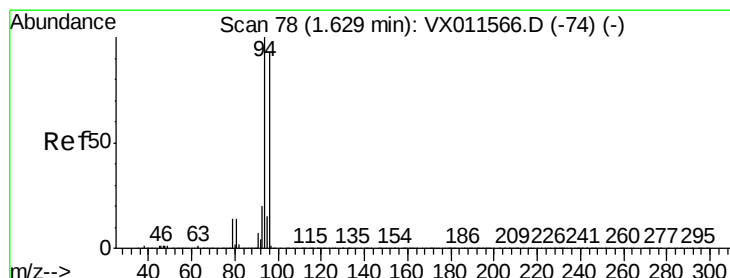
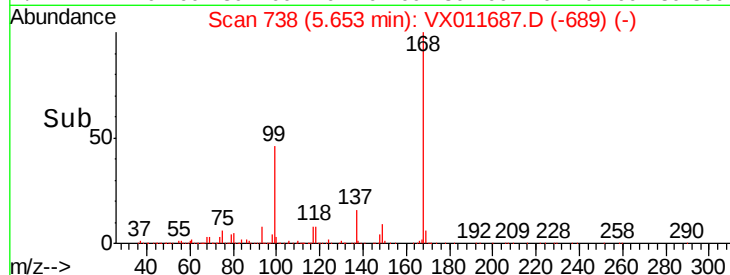
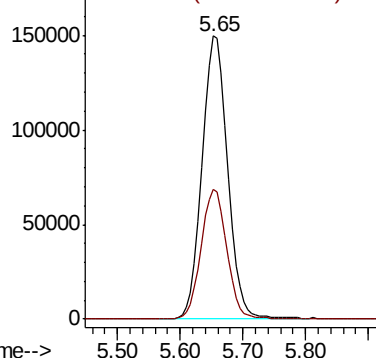
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VX011687.D
 Acq: 20 Aug 2019 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tgt Ion: 168 Resp: 424139
 Ion Ratio Lower Upper
 168 100
 99 45.5 37.3 55.9



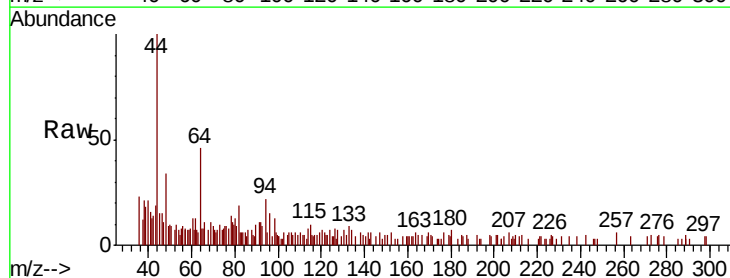
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



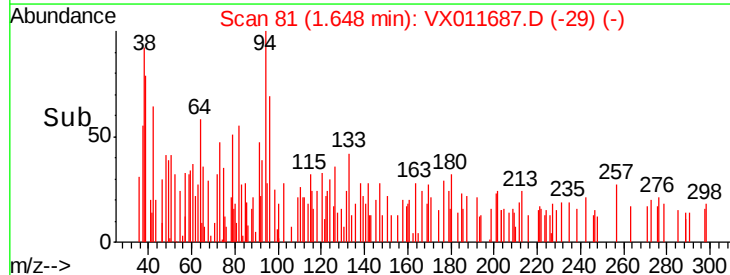
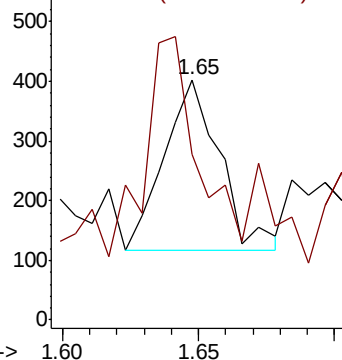
#5

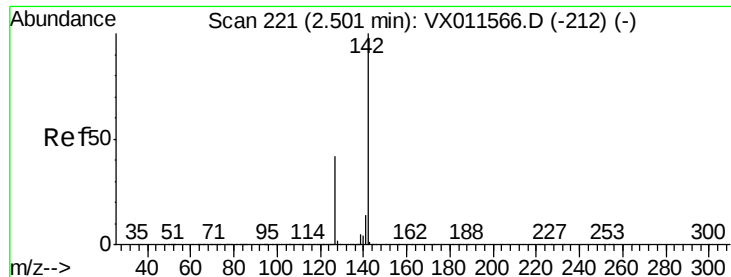
Bromomethane
 Concen: 0.231 ug/l
 RT: 1.65 min Scan# 81
 Delta R.T. 0.02 min
 Lab File: VX011687.D
 Acq: 20 Aug 2019 16:12

Tgt Ion: 94 Resp: 404
 Ion Ratio Lower Upper
 94 100
 96 42.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0
 Ion 95.90 (95.60 to 96.60): VX0

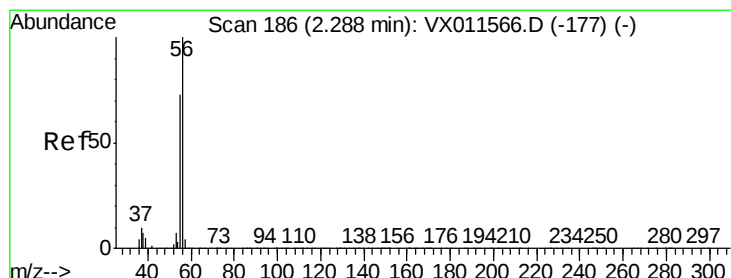
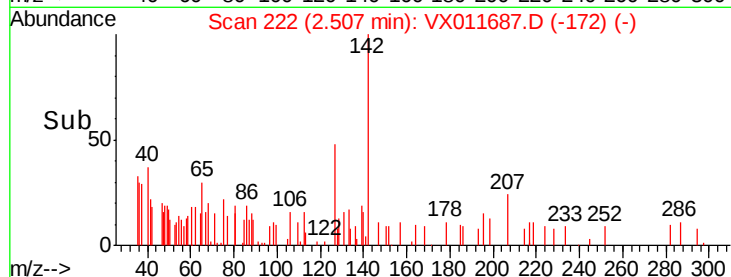
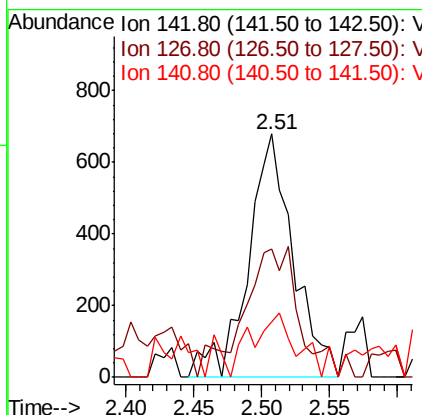
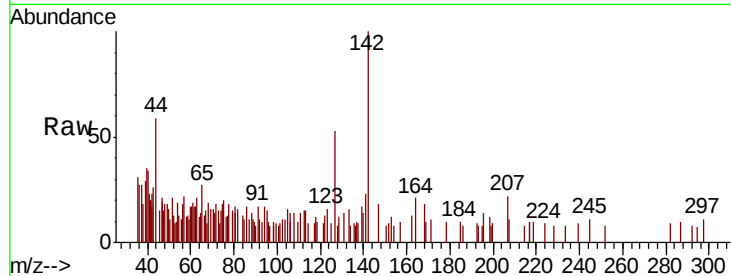




#10
Methyl Iodide
Concen: 0.297 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX011687.D
Acq: 20 Aug 2019 16:12

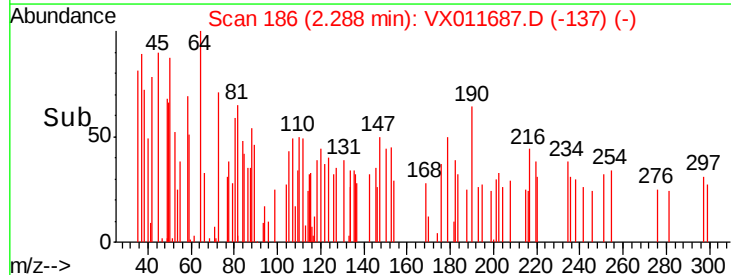
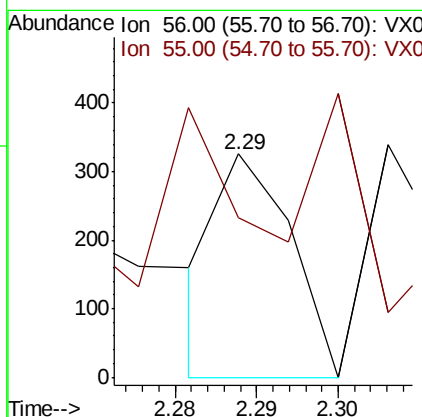
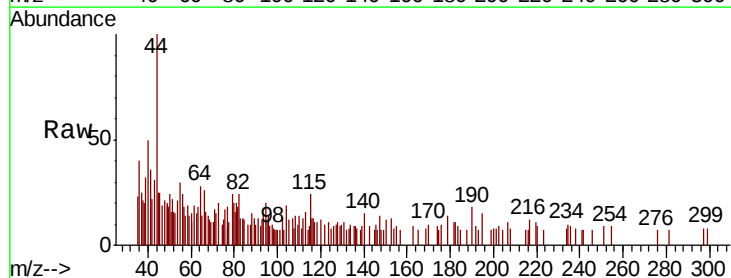
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

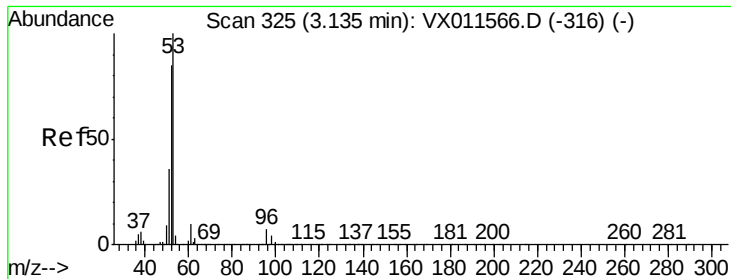
Tgt Ion:142 Resp: 1585
Ion Ratio Lower Upper
142 100
127 66.1 32.8 49.2#
141 18.7 11.4 17.2#



#13
Acrolein
Concen: 12.834 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011687.D
Acq: 20 Aug 2019 16:12

Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 105.4 55.5 83.3#





#15

Acrylonitrile

Concen: 0.206 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

Instrument :

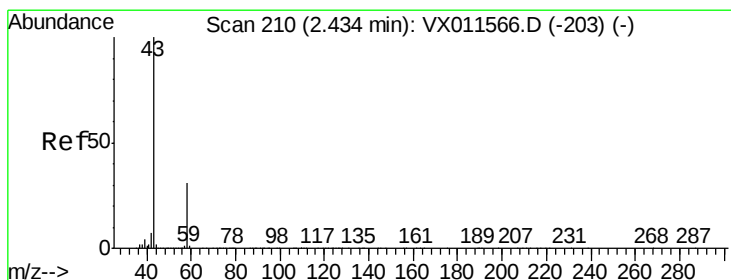
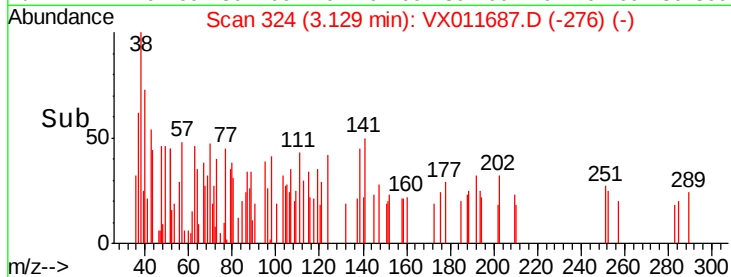
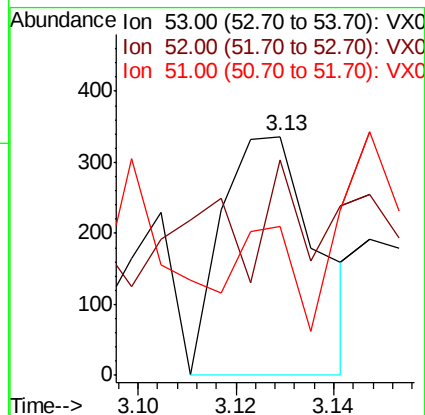
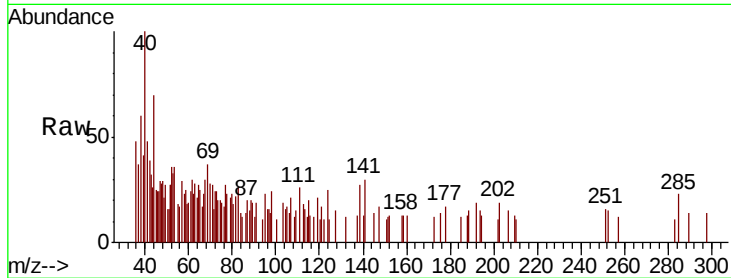
MSVOA_X

ClientSampled :

TRIP-BLANK

Tgt Ion: 53 Resp: 454

Ion	Ratio	Lower	Upper
53	100		
52	16.5	66.7	100.1#
51	29.5	28.7	43.1



#16

Acetone

Concen: 0.696 ug/l

RT: 2.43 min Scan# 209

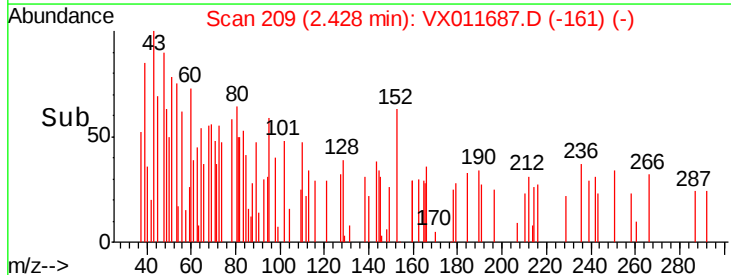
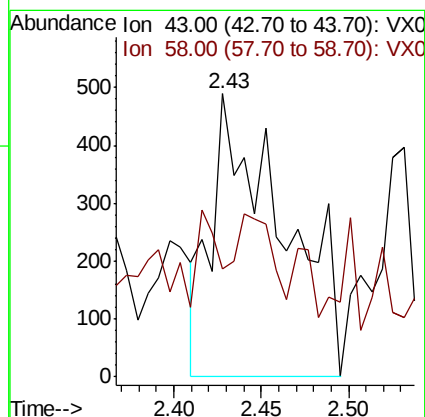
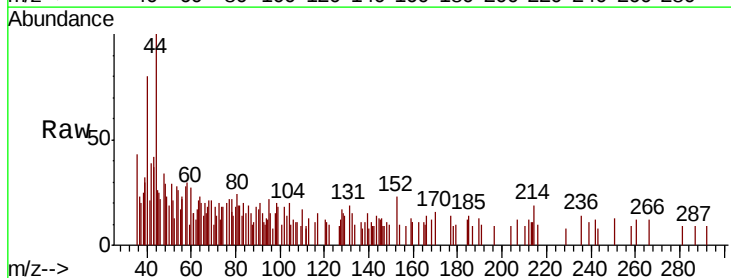
Delta R.T. -0.01 min

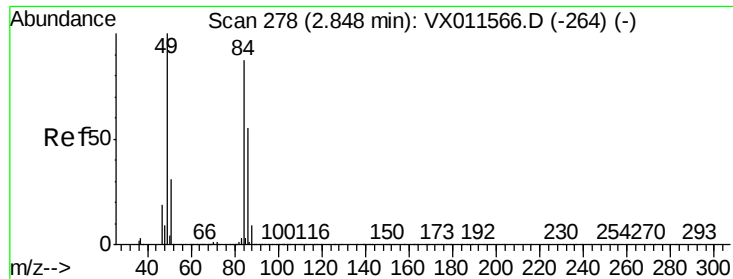
Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

Tgt Ion: 43 Resp: 1376

Ion	Ratio	Lower	Upper
43	100		
58	13.7	25.2	37.8#

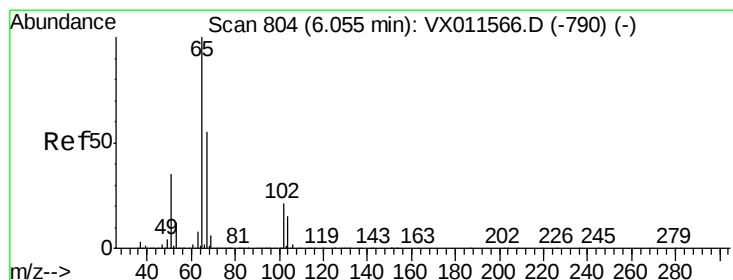
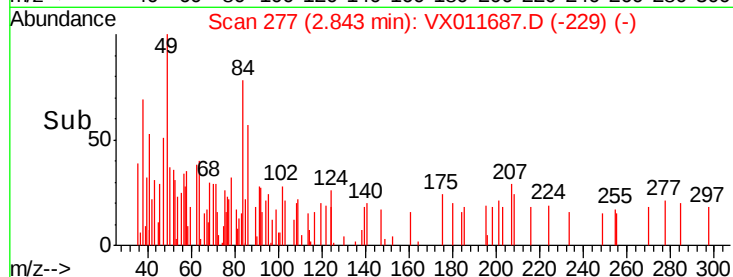
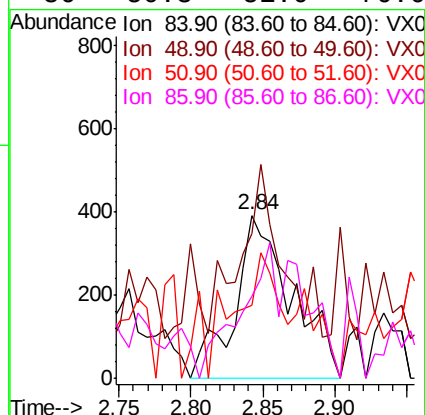
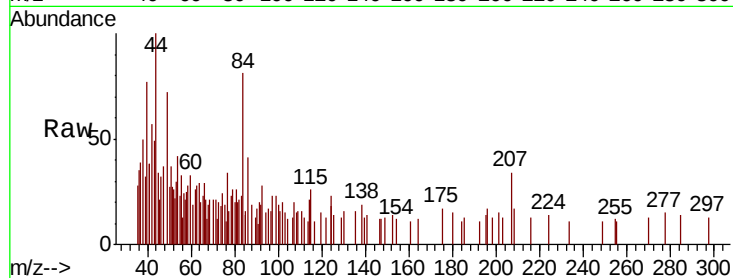




#20
Methylene Chloride
Concen: 0.259 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011687.D
Acq: 20 Aug 2019 16:12

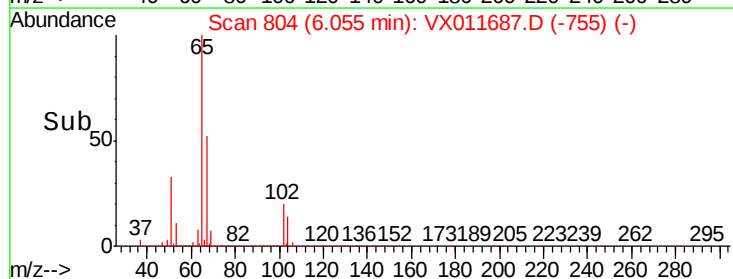
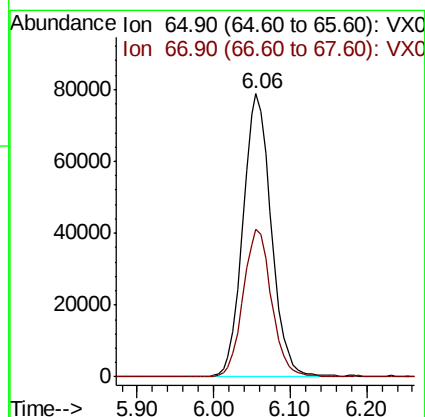
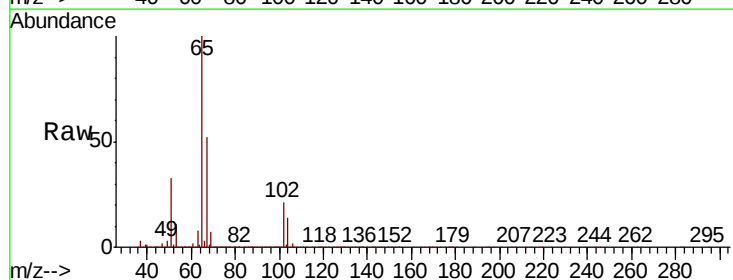
Instrument :
MSVOA_X
ClientSampleId :
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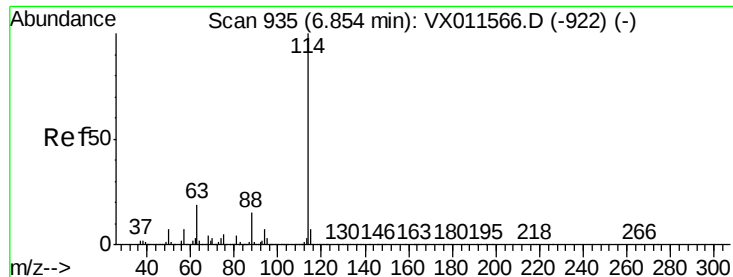
Tgt Ion: 84 Resp: 1076
Ion Ratio Lower Upper
84 100
49 6.4 92.4 138.6#
51 26.8 28.5 42.7#
86 50.3 51.0 76.6#



#33
1,2-Dichloroethane-d4
Concen: 51.374 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011687.D
Acq: 20 Aug 2019 16:12

Tgt Ion: 65 Resp: 202070
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

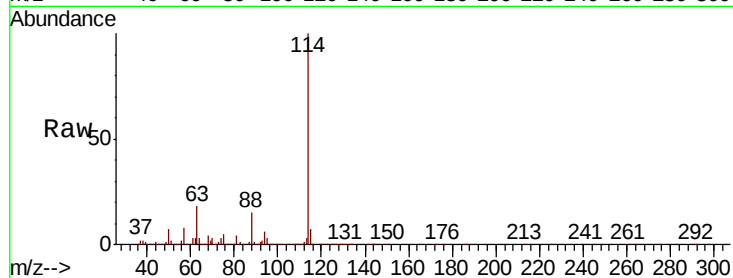
Tgt Ion:114 Resp: 567826

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

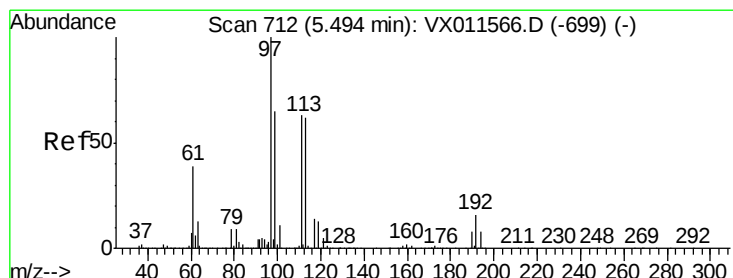
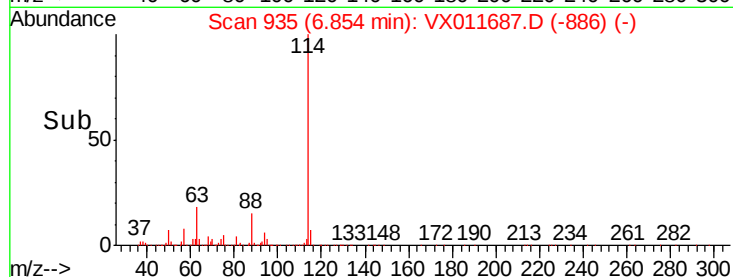
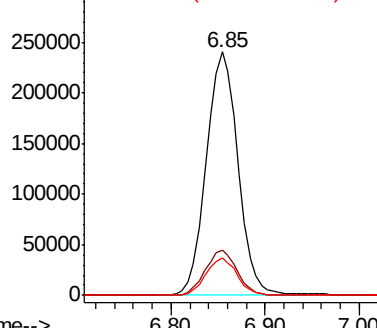
88 15.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.428 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

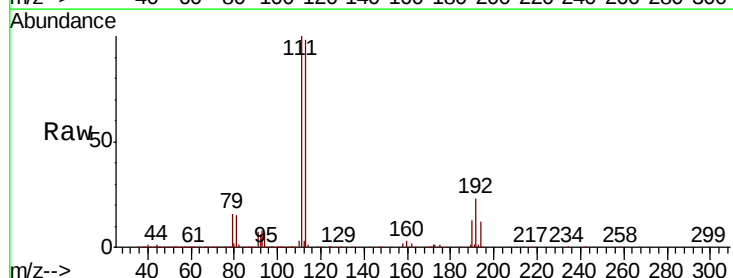
Tgt Ion:113 Resp: 168715

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

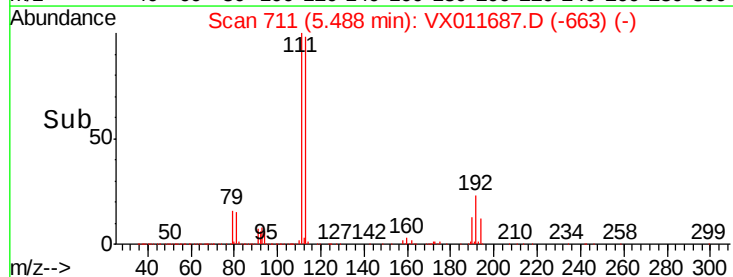
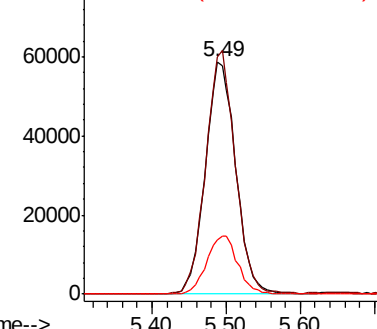
192 25.7 20.8 31.2

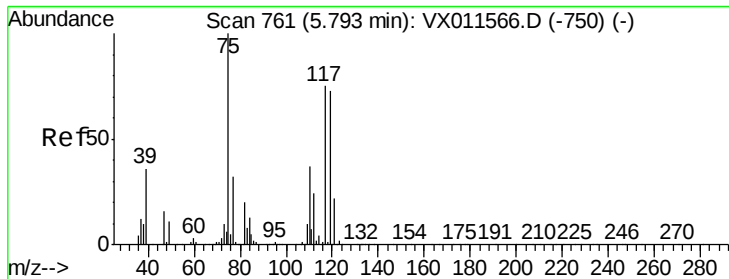


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.994 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

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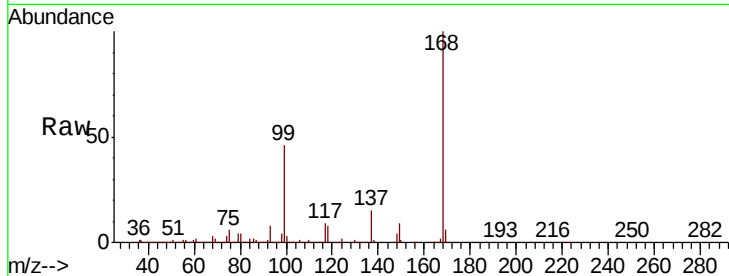
Tgt Ion: 75 Resp: 24245

Ion Ratio Lower Upper

75 100

110 12.3 19.4 58.1#

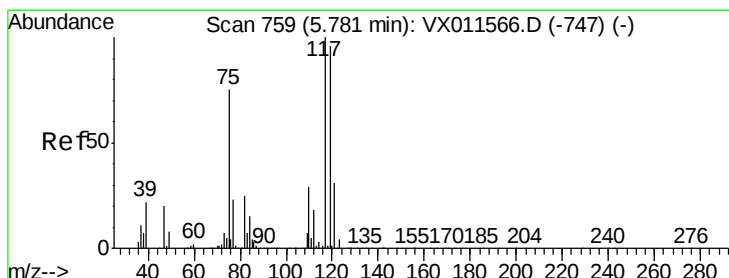
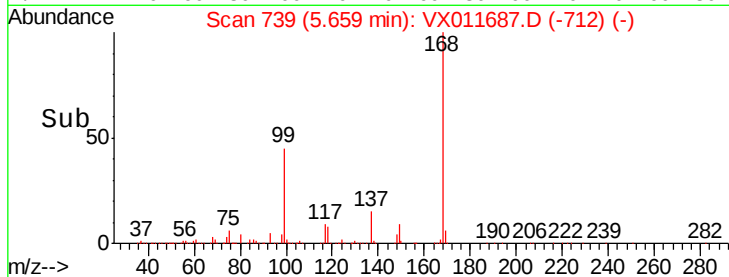
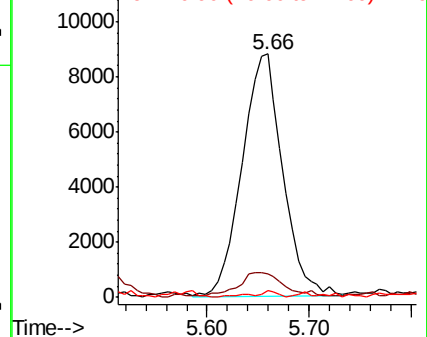
77 1.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.466 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

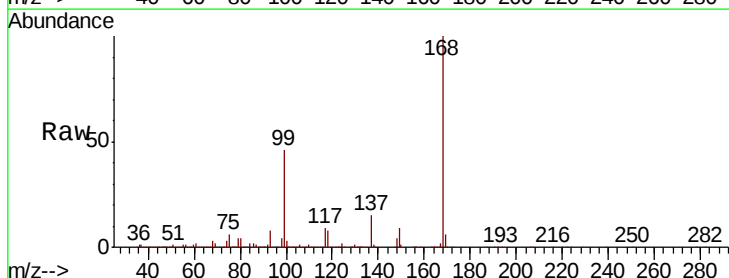
Tgt Ion: 117 Resp: 34584

Ion Ratio Lower Upper

117 100

119 4.2 76.9 115.3#

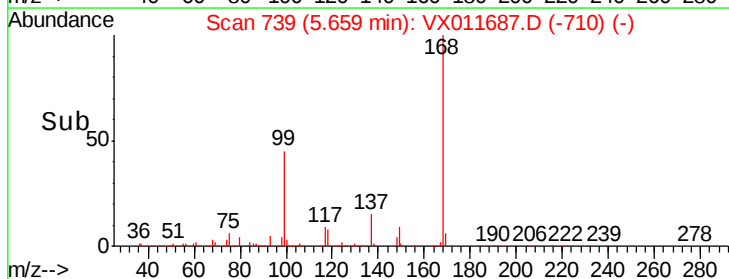
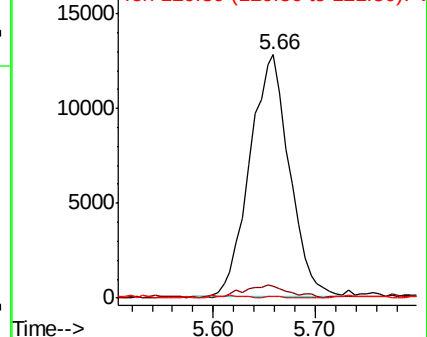
121 0.6 24.8 37.2#

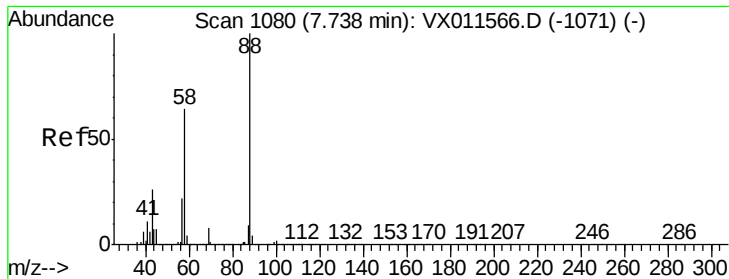


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.699 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

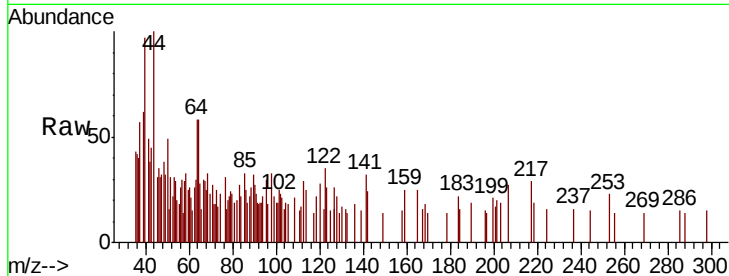
Tgt Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 88.7 23.4 35.0#

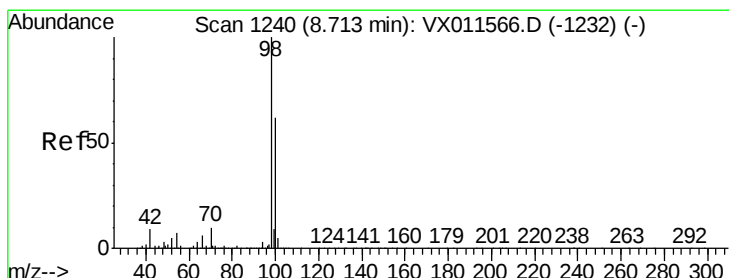
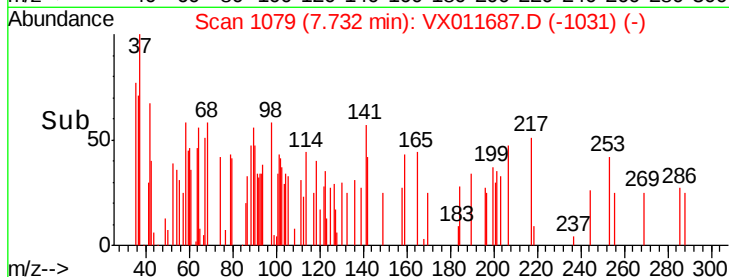
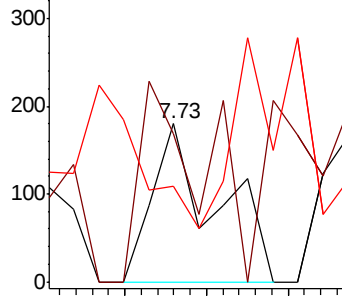
58 0.0 54.3 81.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 56.548 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011687.D

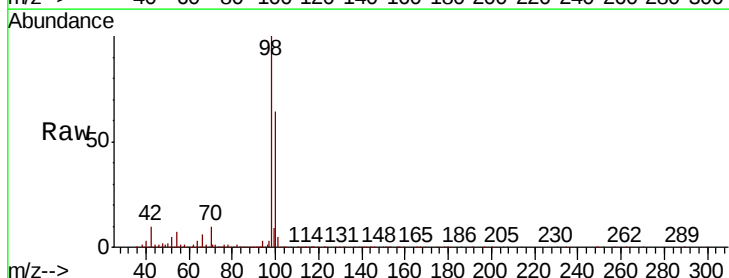
Acq: 20 Aug 2019 16:12

Tgt Ion: 98 Resp: 654389

Ion Ratio Lower Upper

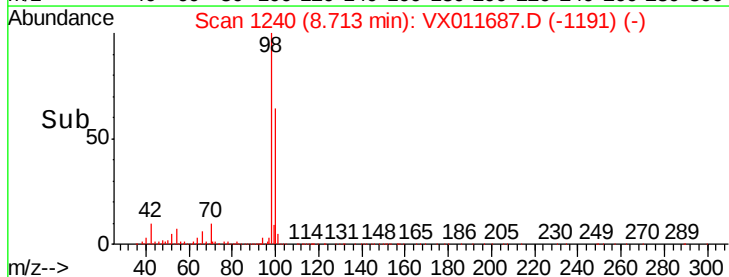
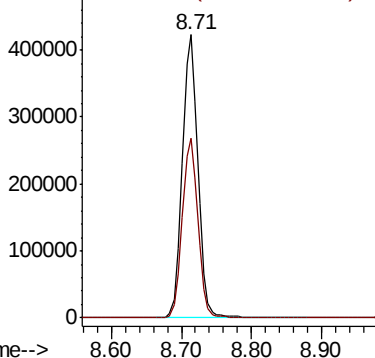
98 100

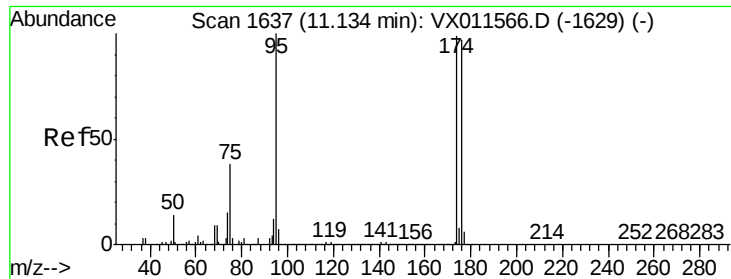
100 64.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.049 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

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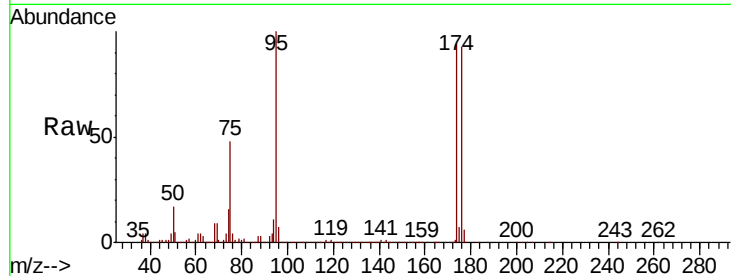
Tgt Ion: 95 Resp: 224925

Ion Ratio Lower Upper

95 100

174 98.3 0.0 200.6

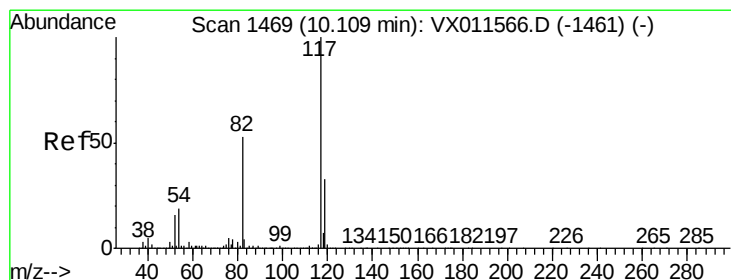
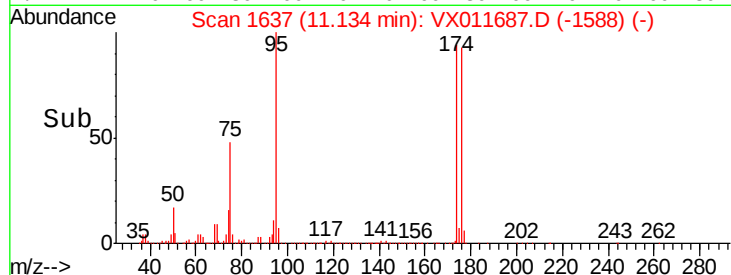
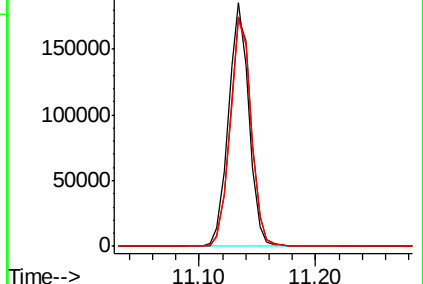
176 96.1 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX011566.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX011566.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX011566.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

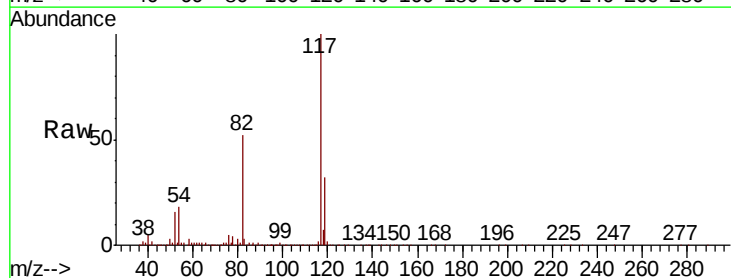
Tgt Ion: 117 Resp: 505252

Ion Ratio Lower Upper

117 100

82 51.6 42.0 63.0

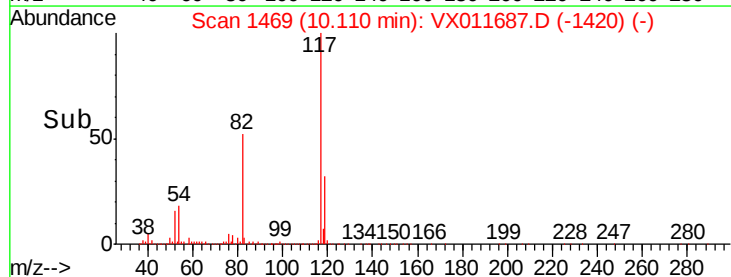
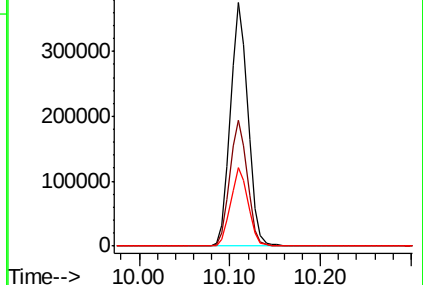
119 32.0 26.5 39.7

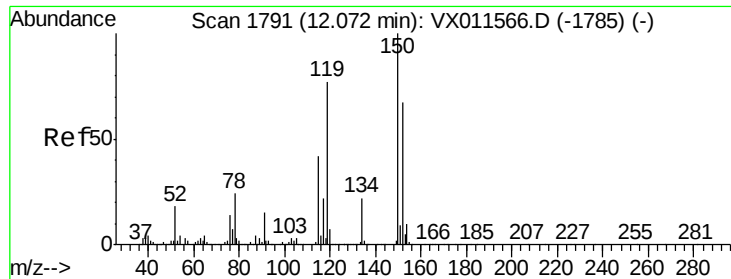


Abundance Ion 116.90 (116.60 to 117.60): VX011566.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011566.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011566.D (-1461) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011687.D

Acq: 20 Aug 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

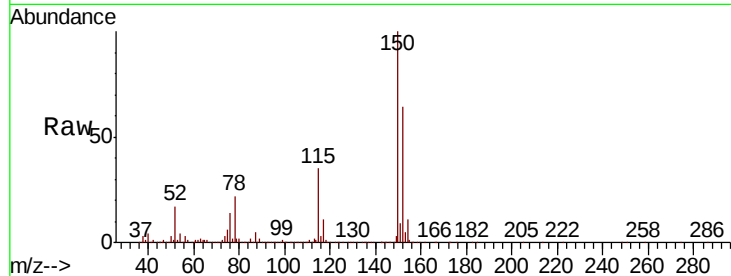
Tgt Ion:152 Resp: 248931

Ion Ratio Lower Upper

152 100

115 53.8 37.3 111.9

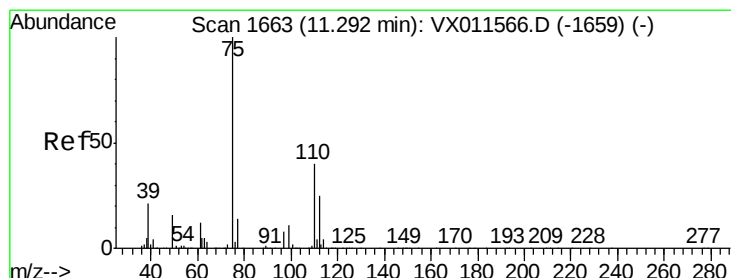
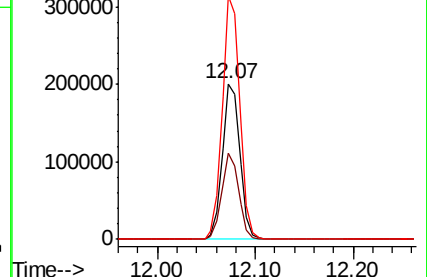
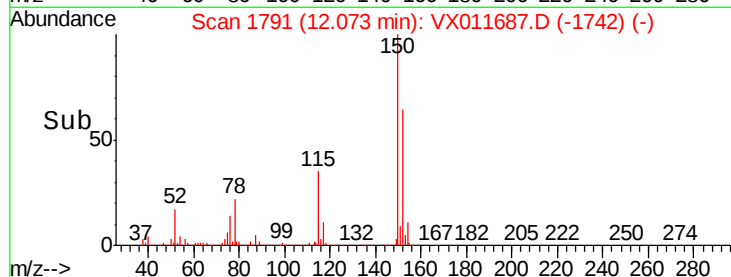
150 156.4 0.0 346.2



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



#76

1,2,3-Trichloropropane

Concen: 22.588 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011687.D

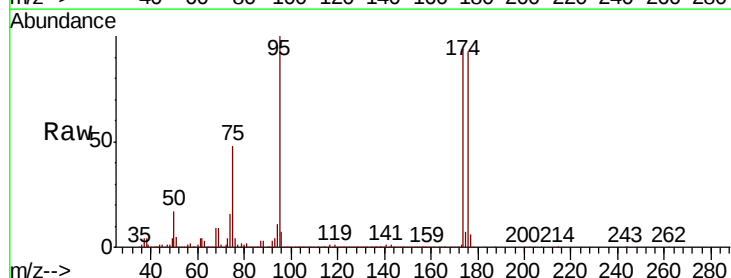
Acq: 20 Aug 2019 16:12

Tgt Ion: 75 Resp: 106622

Ion Ratio Lower Upper

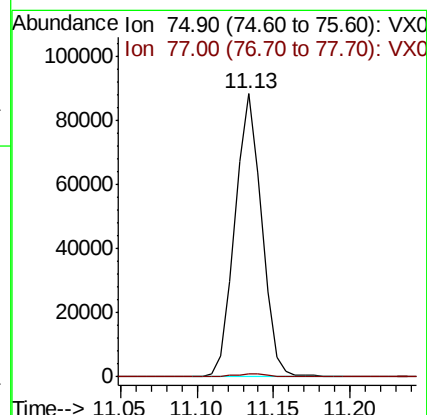
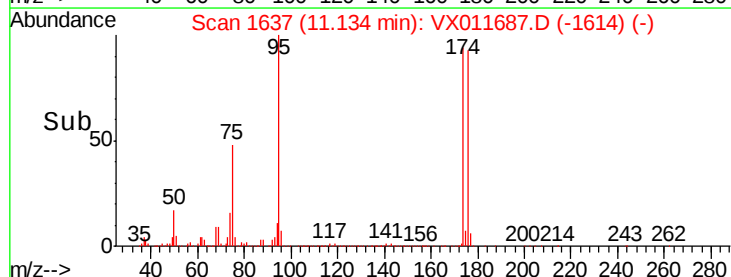
75 100

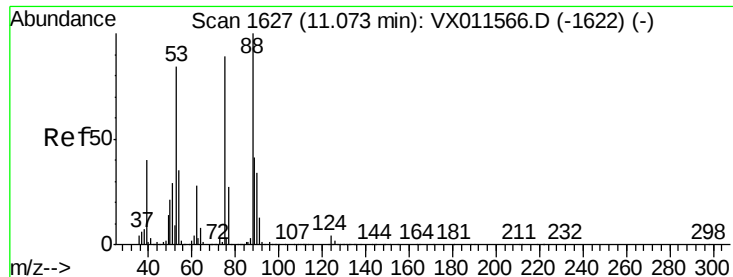
77 1.5 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

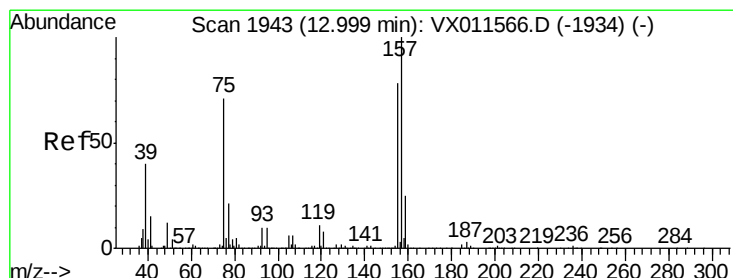
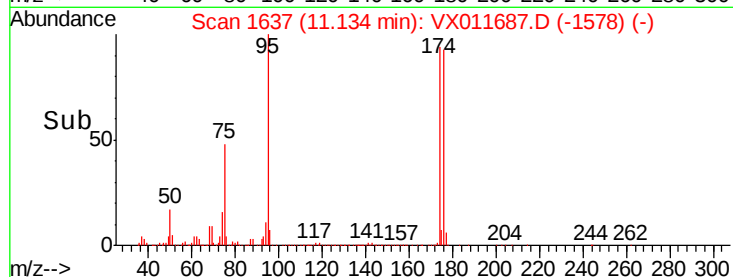
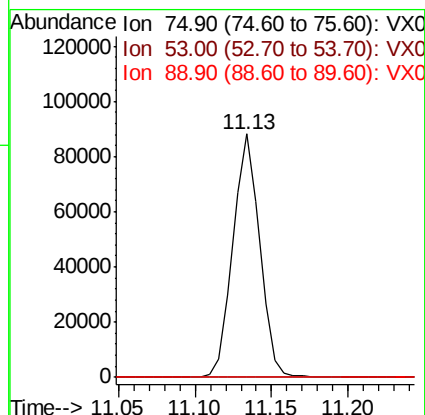
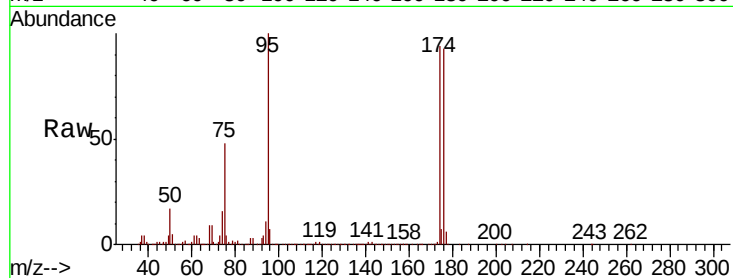




#81
trans-1,4-Dichloro-2-butene
Concen: 60.185 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011687.D
Acq: 20 Aug 2019 16:12

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 106622
Ion Ratio Lower Upper
75 100
53 0.3 77.4 116.0#
89 0.0 37.3 55.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.241 ug/l
RT: 13.01 min Scan# 1945
Delta R.T. 0.01 min
Lab File: VX011687.D
Acq: 20 Aug 2019 16:12

Tgt Ion: 75 Resp: 307
Ion Ratio Lower Upper
75 100
155 0.0 53.0 159.0#
157 0.0 68.3 205.1#

