

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
 Data File : VX014171.D
 Acq On : 20 Dec 2019 14:06
 Operator : JC/SP
 Sample : K6377-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 20 22:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	570906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	869949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	352300	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	308596	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	5.49	113	256136	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	8.71	98	1030453	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	346400	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

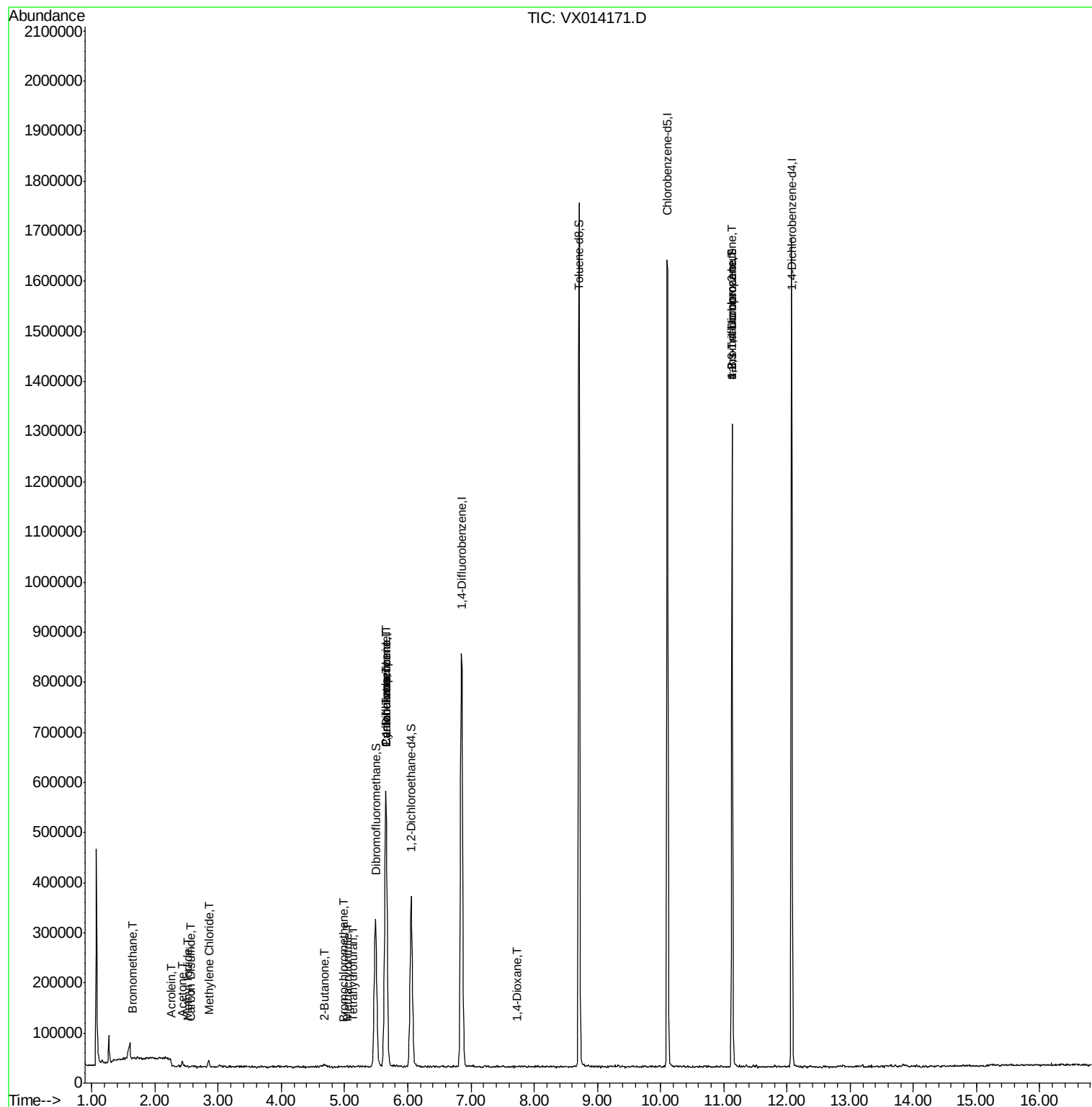
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1460	0.284	ug/l	85
10) Methyl Iodide	2.51	142	1325	2.797	ug/l #	67
13) Acrolein	2.26	56	740	0.925	ug/l #	47
16) Acetone	2.43	43	10681	2.543	ug/l	95
17) Carbon Disulfide	2.56	76	1572	0.852	ug/l	97
20) Methylene Chloride	2.85	84	6294	0.951	ug/l #	88
25) 2-Butanone	4.69	43	3663	0.707	ug/l #	72
28) Bromochloromethane	5.00	49	594	0.595	ug/l #	38
29) Tetrahydrofuran	5.13	42	753	0.260	ug/l #	54
31) Cyclohexane	5.65	56	10201	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	39599	4.961	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49712	6.836	ug/l #	16
41) Methacrylonitrile	5.04	41	1067	0.218	ug/l #	68
49) 1,4-Dioxane	7.73	88	376	2.587	ug/l #	79
76) 1,2,3-Trichloropropane	11.13	75	165736	21.669	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	165736	61.163	ug/l #	12

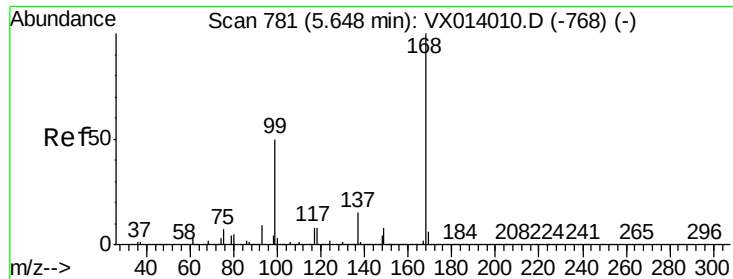
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

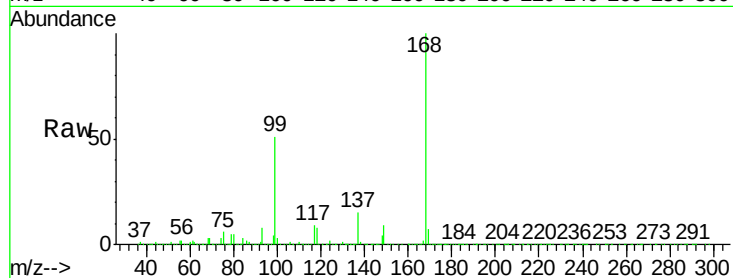
TRIP-BLANK

Tgt Ion: 168 Resp: 570906

Ion Ratio Lower Upper

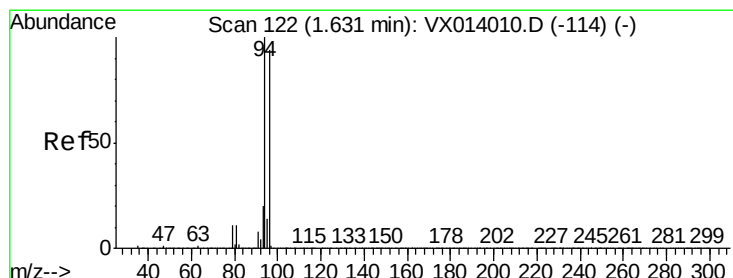
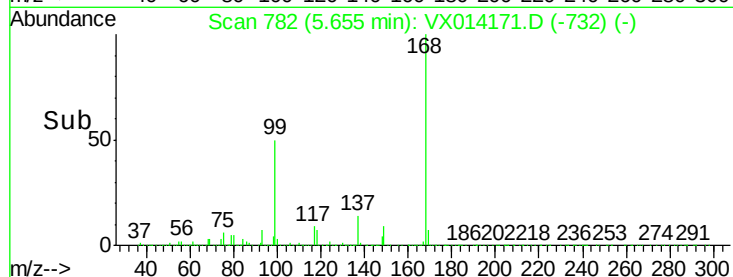
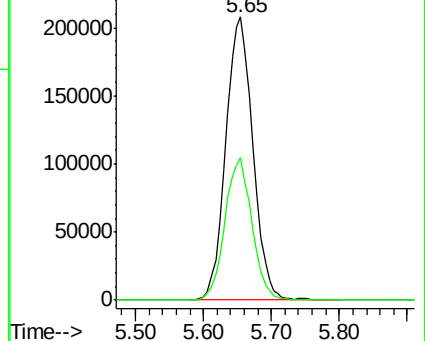
168 100

99 50.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.284 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014171.D

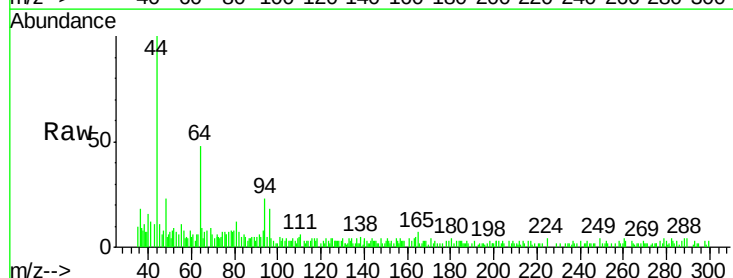
Acq: 20 Dec 2019 14:06

Tgt Ion: 94 Resp: 1460

Ion Ratio Lower Upper

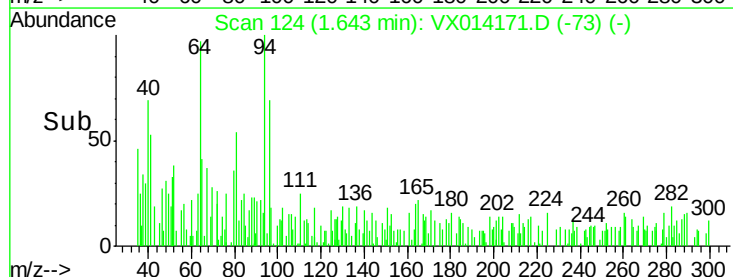
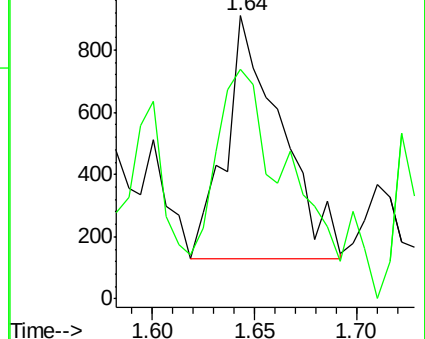
94 100

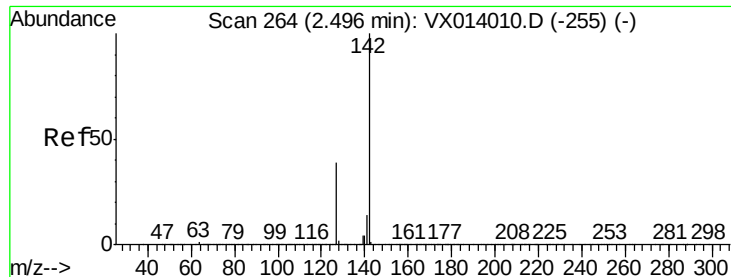
96 79.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 2.797 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

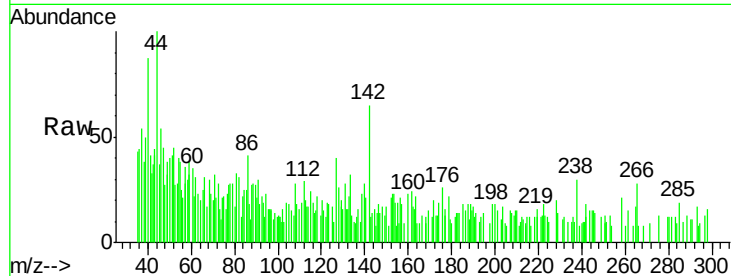
Tgt Ion:142 Resp: 1325

Ion Ratio Lower Upper

142 100

127 64.3 31.6 47.4#

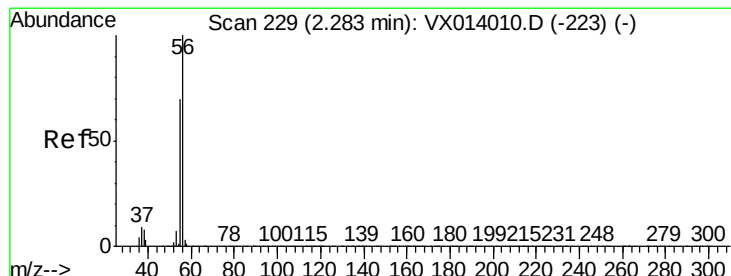
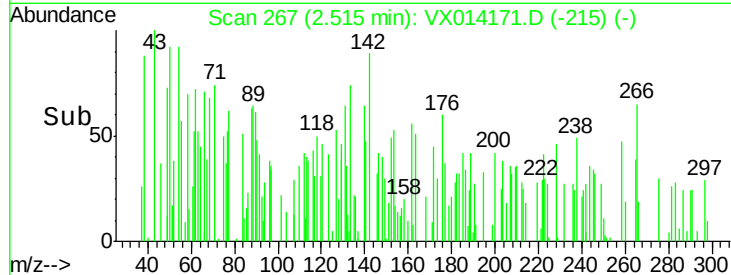
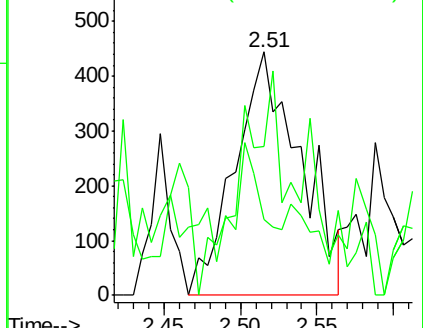
141 19.8 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.925 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX014171.D

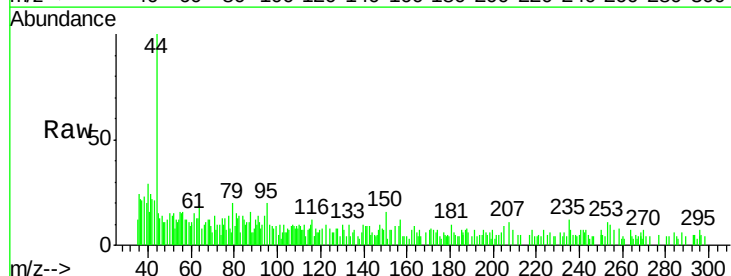
Acq: 20 Dec 2019 14:06

Tgt Ion: 56 Resp: 740

Ion Ratio Lower Upper

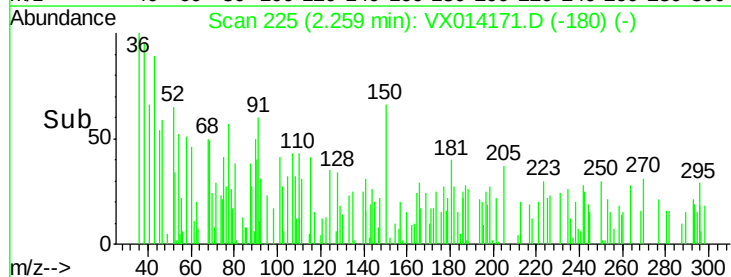
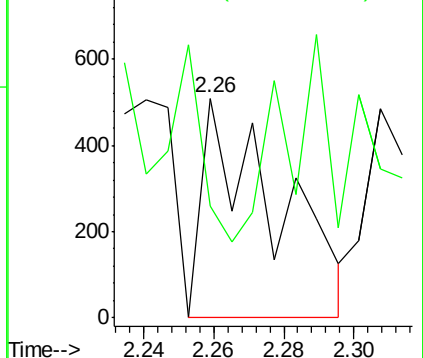
56 100

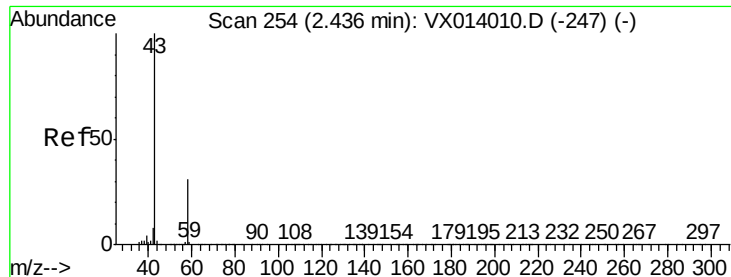
55 27.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.543 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

Instrument :

MSVOA_X

ClientSampled :

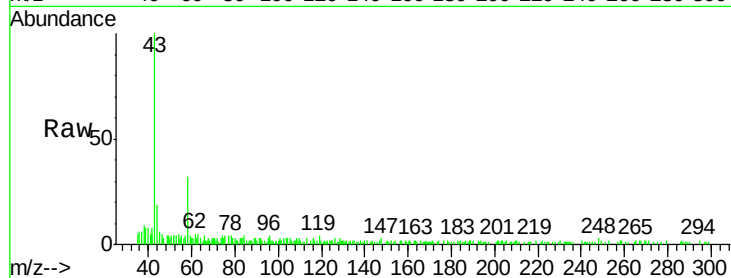
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Tgt Ion: 43 Resp: 10681

Ion Ratio Lower Upper

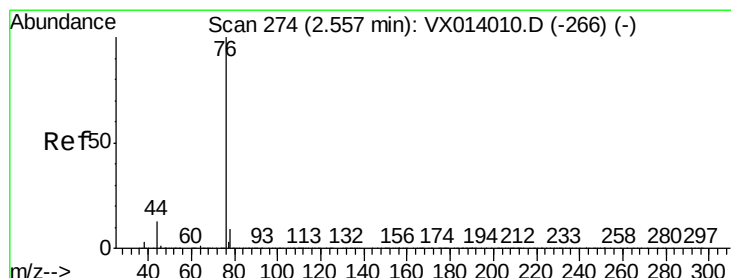
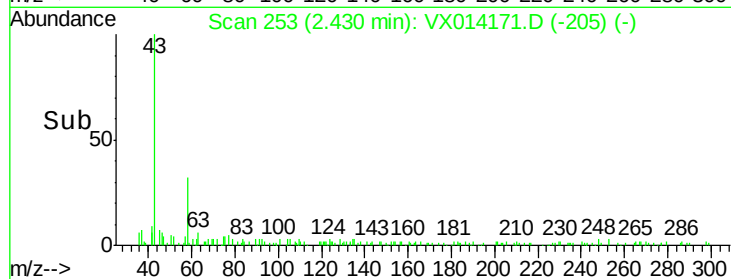
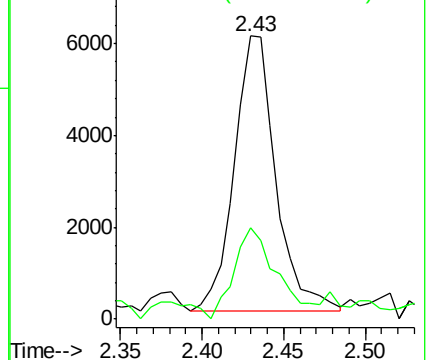
43 100

58 28.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.852 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014171.D

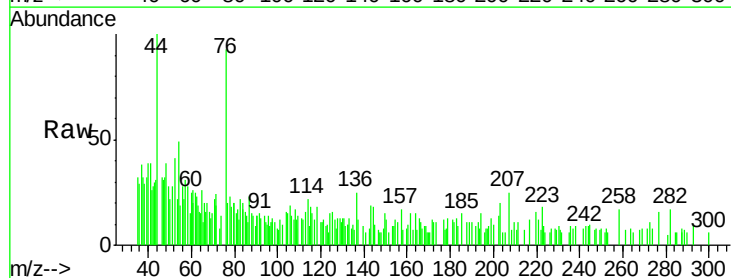
Acq: 20 Dec 2019 14:06

Tgt Ion: 76 Resp: 1572

Ion Ratio Lower Upper

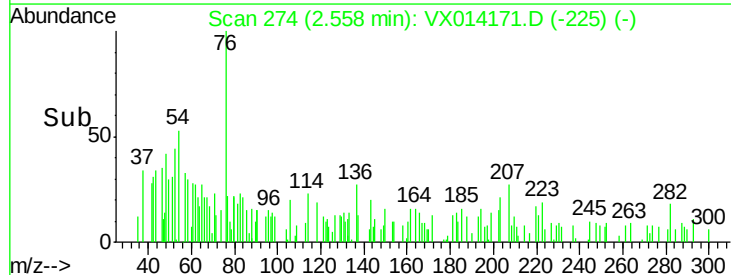
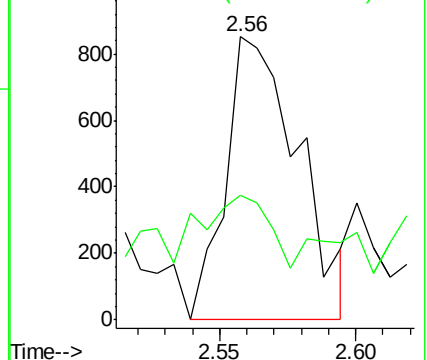
76 100

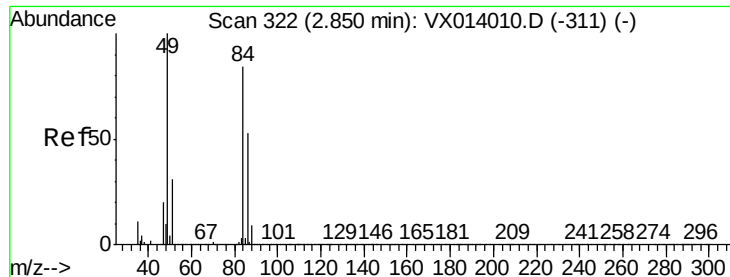
78 8.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

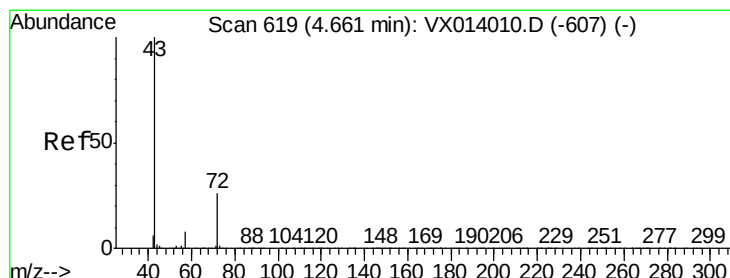
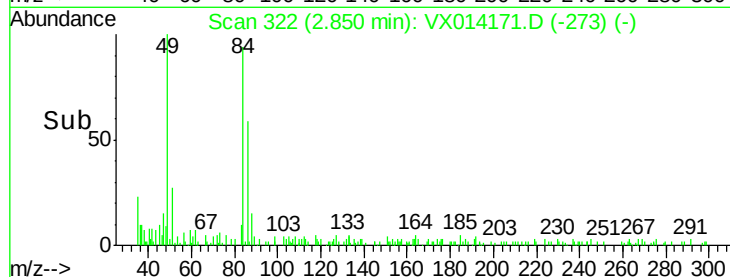
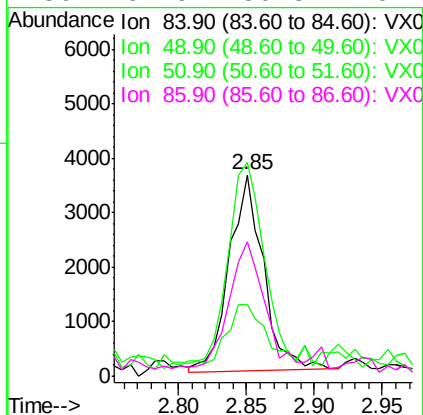
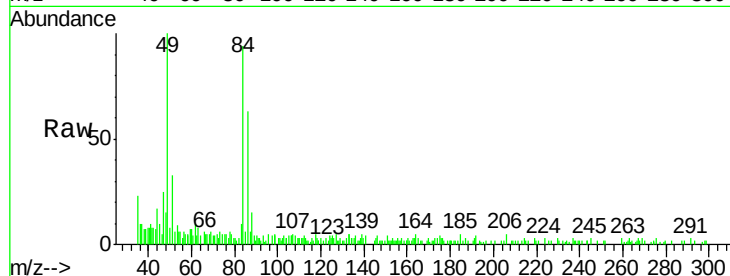




#20
Methylene Chloride
Concen: 0.951 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

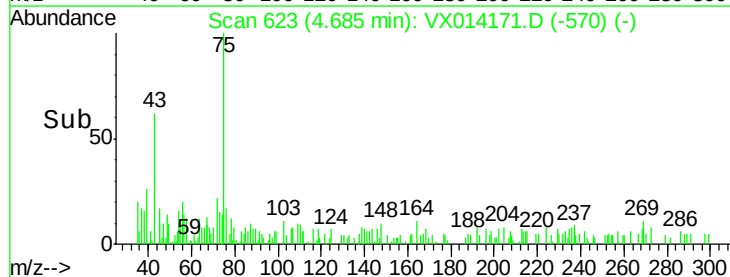
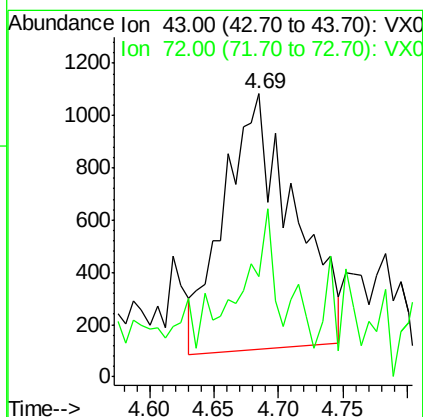
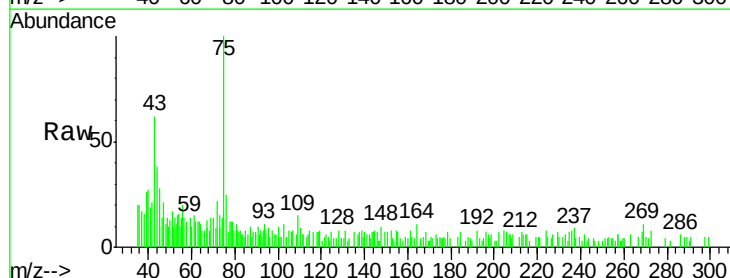
Instrument :
MSVOA_X
ClientSampleId :
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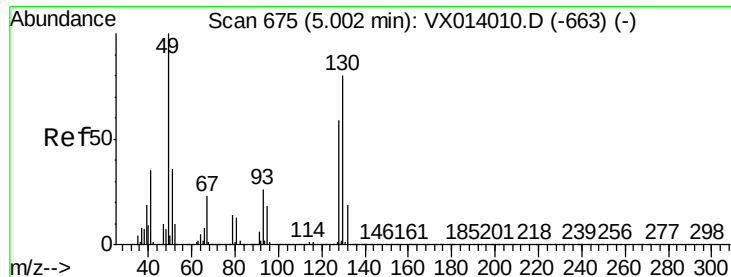
Tgt Ion:	84	Resp:	6294
Ion	Ratio	Lower	Upper
84	100		
49	104.4	95.8	143.6
51	24.8	29.8	44.8#
86	64.9	50.8	76.2



#25
2-Butanone
Concen: 0.707 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

Tgt Ion:	43	Resp:	3663
Ion	Ratio	Lower	Upper
43	100		
72	11.8	21.0	31.4#





#28

Bromochloromethane

Concen: 0.595 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

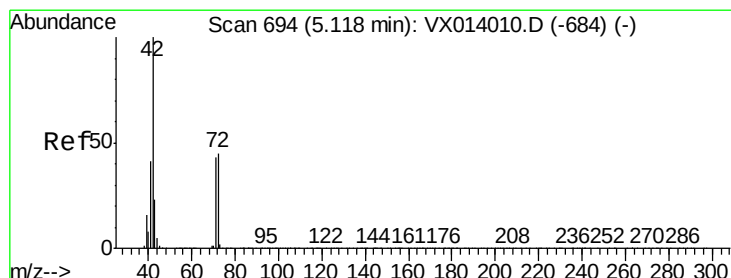
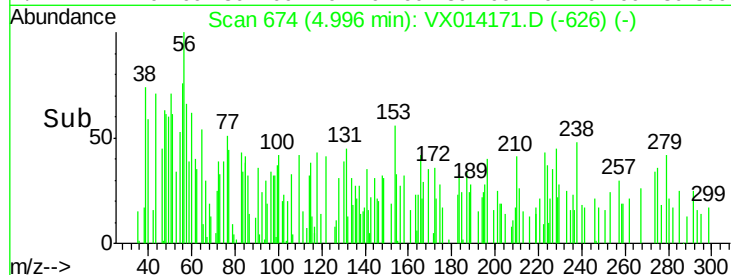
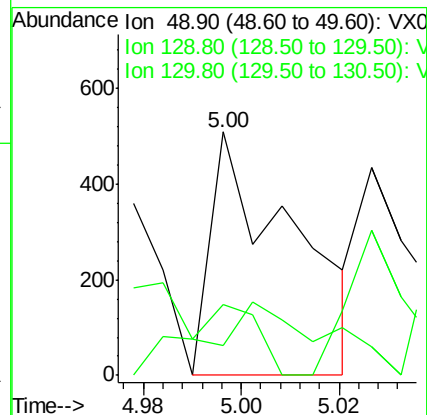
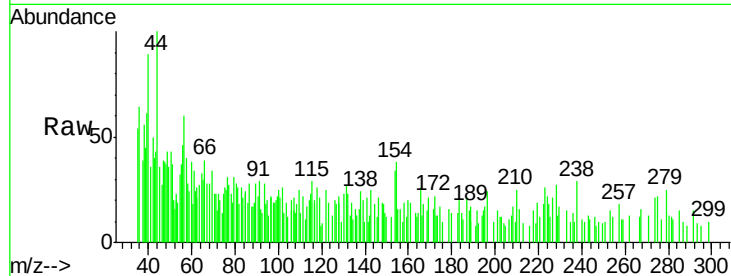
Tgt Ion: 49 Resp: 594

Ion Ratio Lower Upper

49 100

129 31.0 0.0 5.0#

130 26.6 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

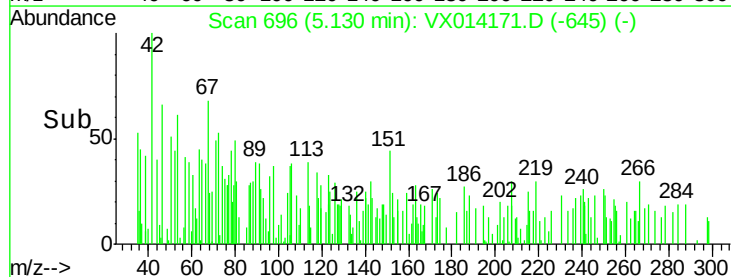
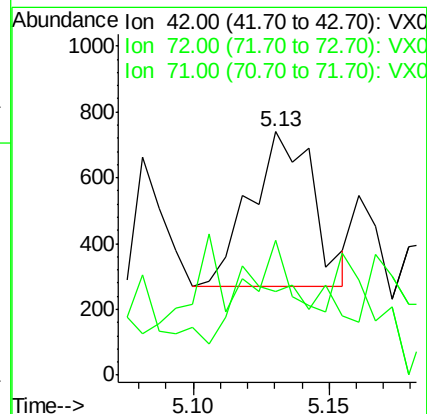
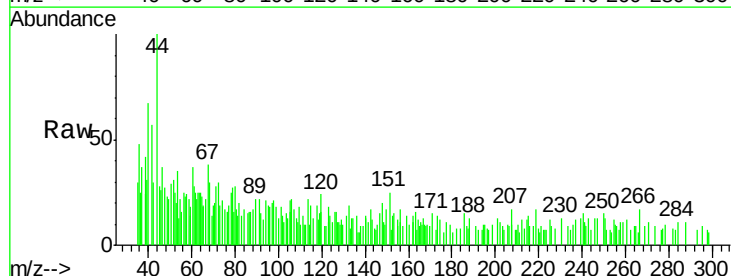
Tgt Ion: 42 Resp: 753

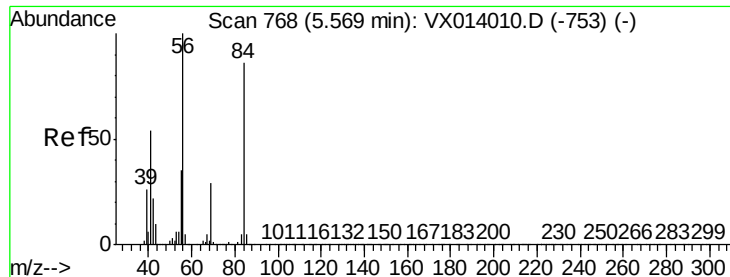
Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.8#

71 27.8 33.6 50.4#

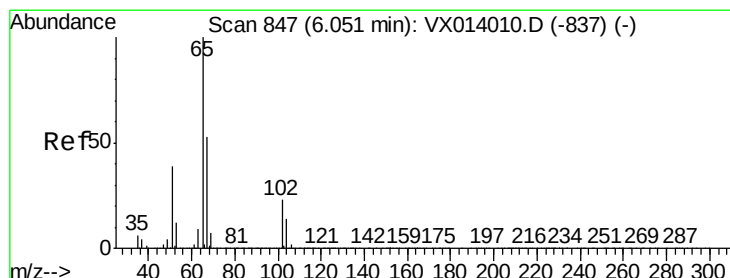
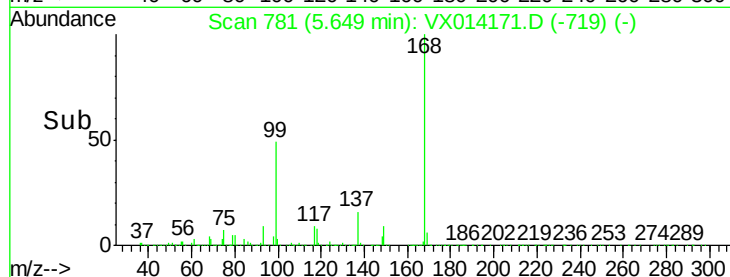
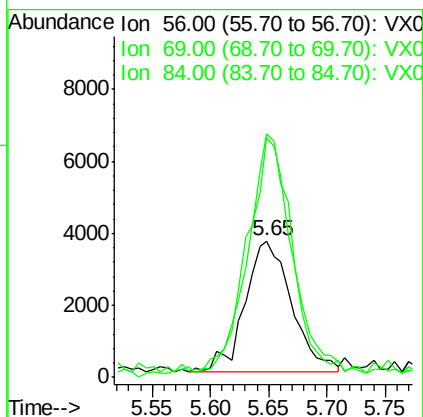
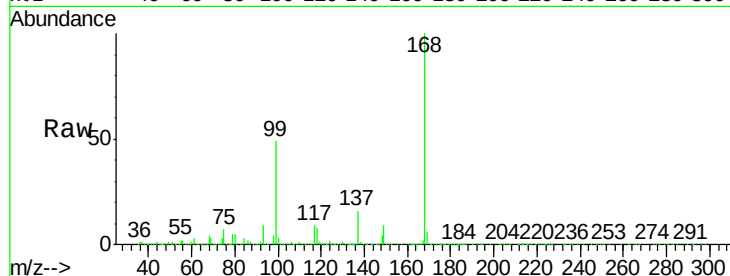




#31
Cyclohexane
Concen: 1.055 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

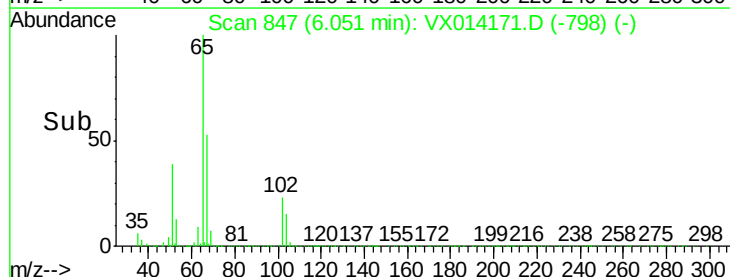
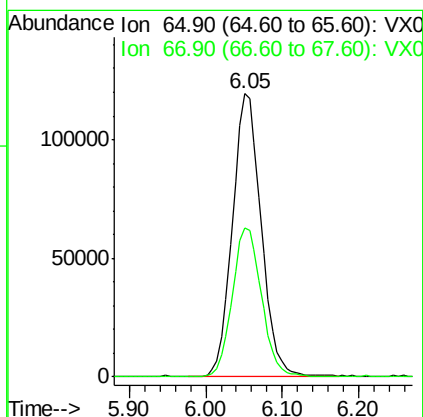
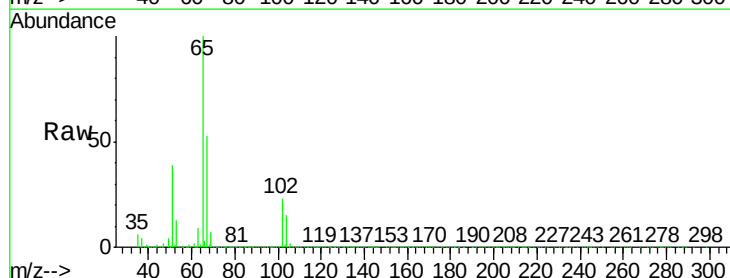
Instrument :
MSVOA_X
ClientSampleId :
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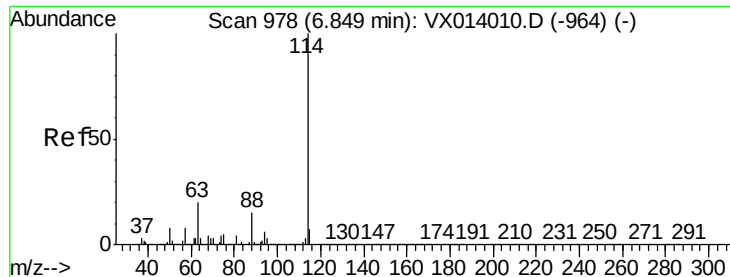
Tgt Ion: 56 Resp: 10201
Ion Ratio Lower Upper
56 100
69 180.8 23.2 34.8#
84 175.9 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 47.693 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

Tgt Ion: 65 Resp: 308596
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

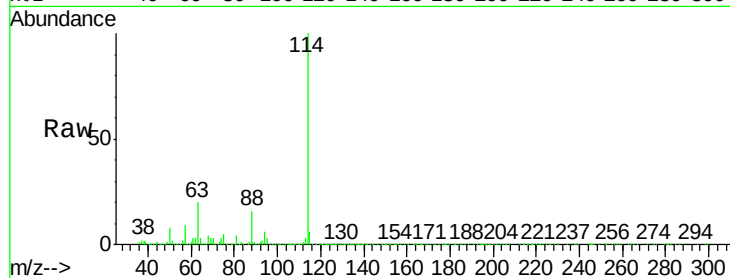
Tgt Ion:114 Resp: 869949

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

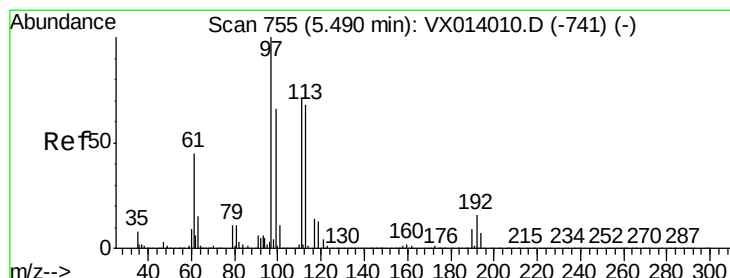
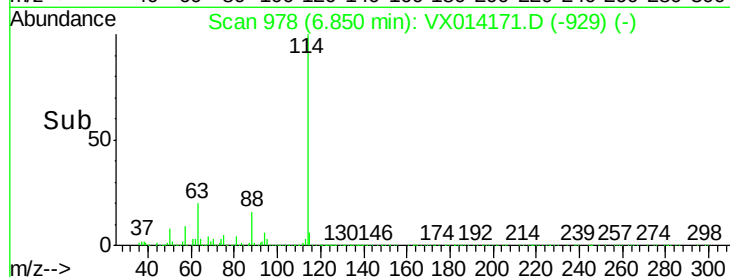
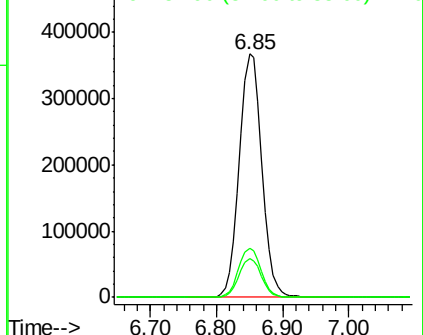
88 15.8 0.0 30.4



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: 48.434 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

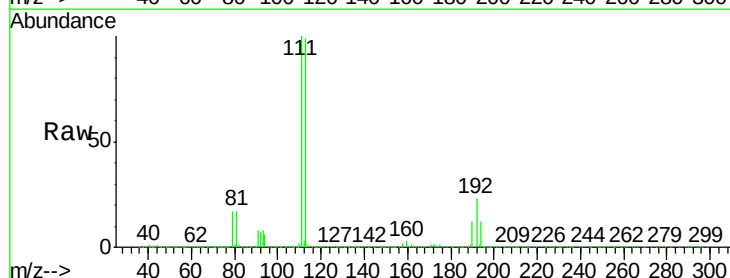
Tgt Ion:113 Resp: 256136

Ion Ratio Lower Upper

113 100

111 104.4 82.0 123.0

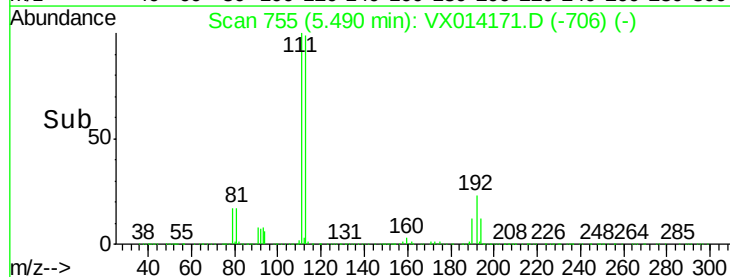
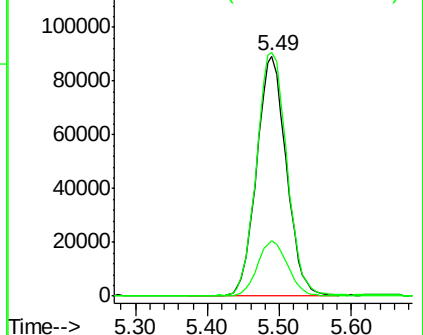
192 23.6 19.3 28.9

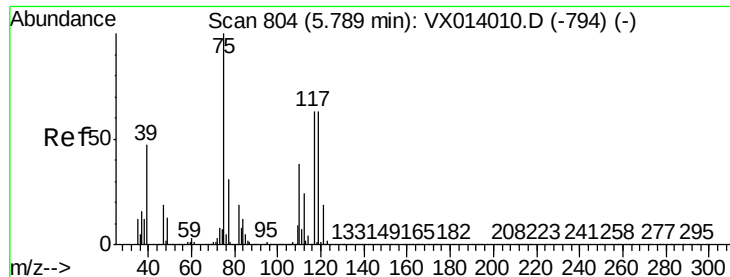


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

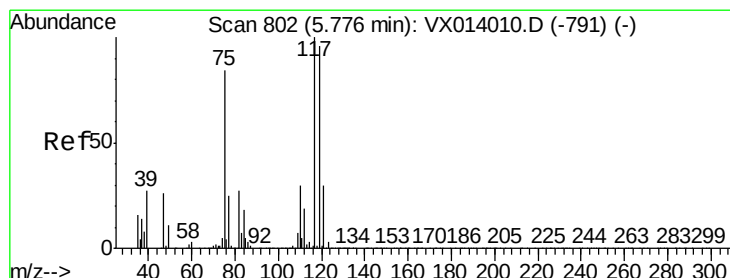
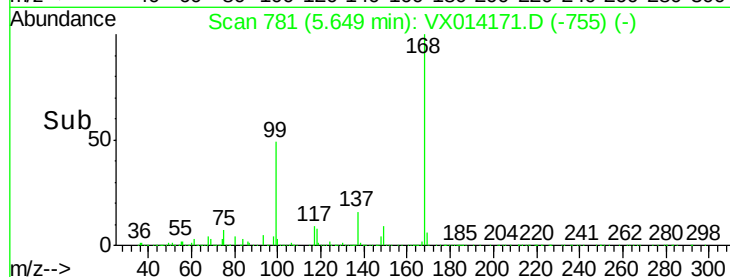
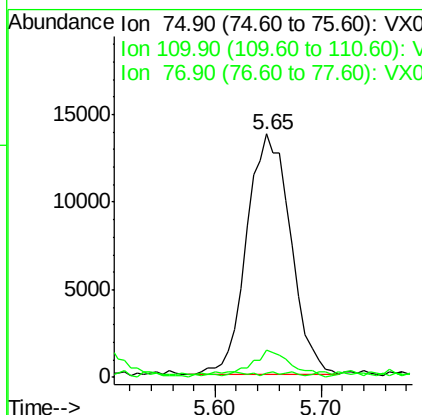
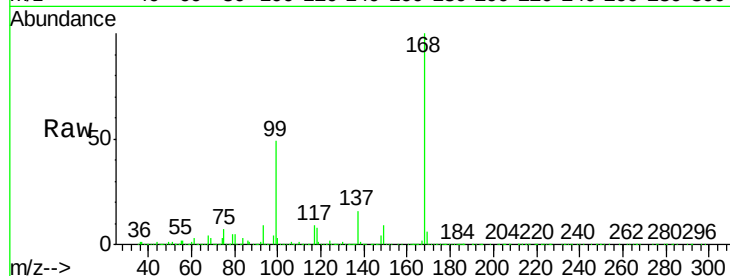




#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014171.D
 Acq: 20 Dec 2019 14:06

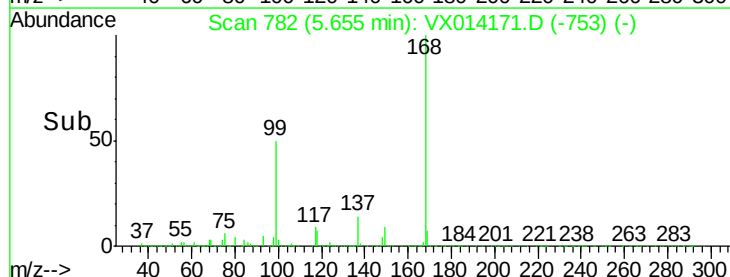
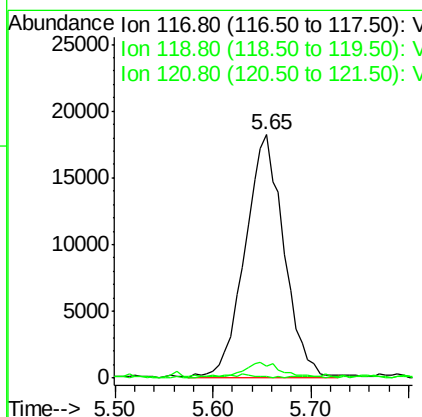
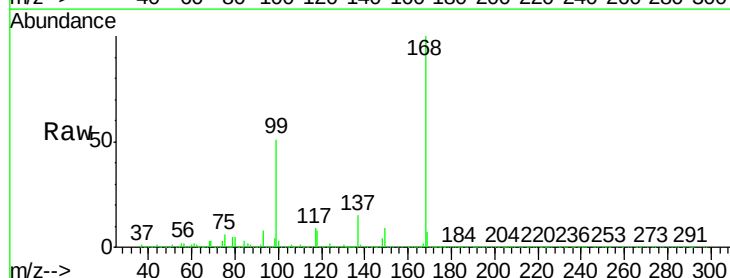
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

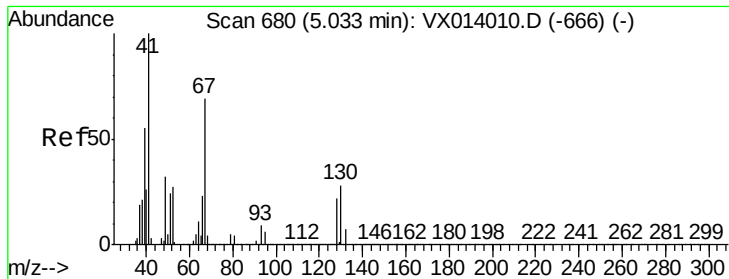
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.3	54.9#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.836 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014171.D
 Acq: 20 Dec 2019 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.2	114.4#
121	0.6	23.6	35.4#

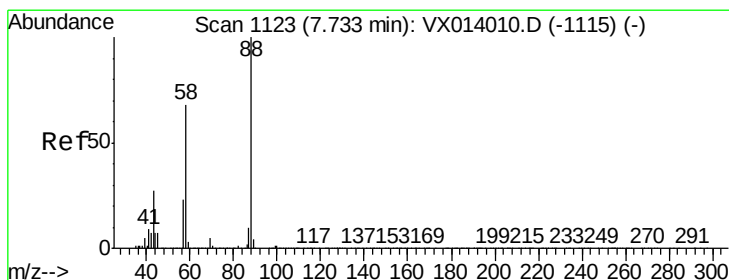
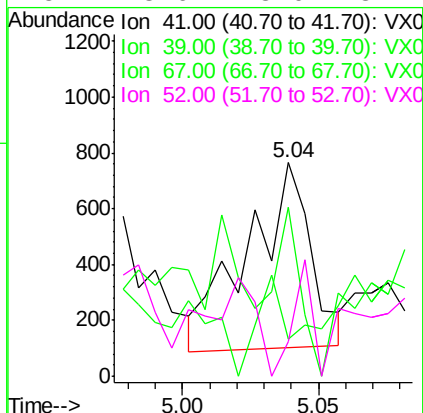
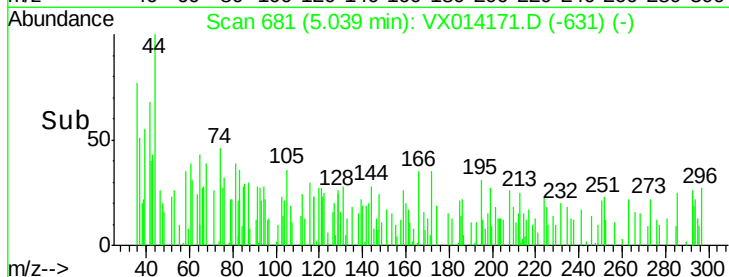
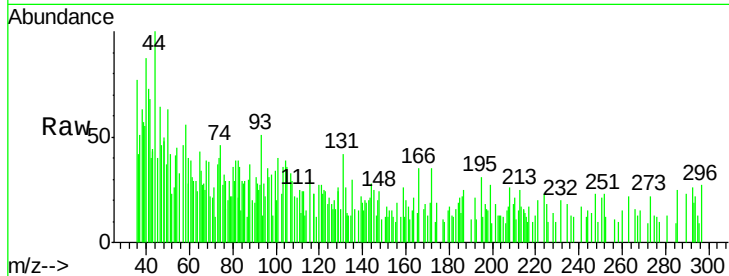




#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

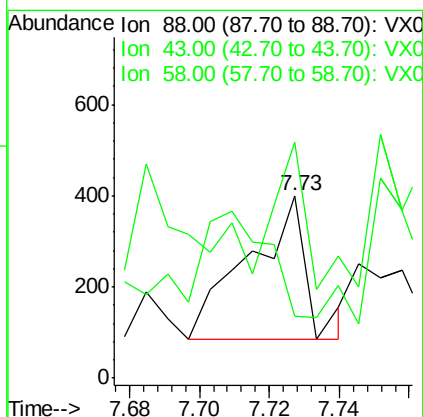
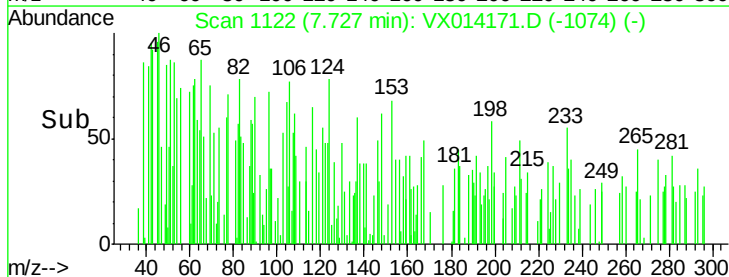
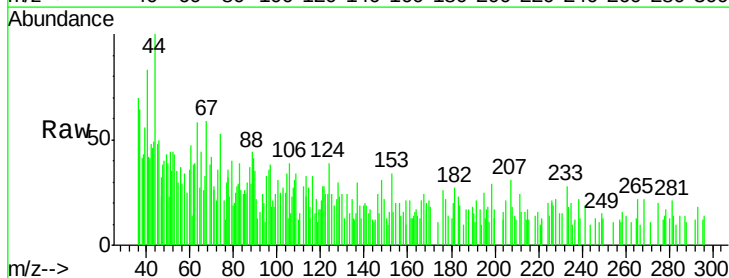
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

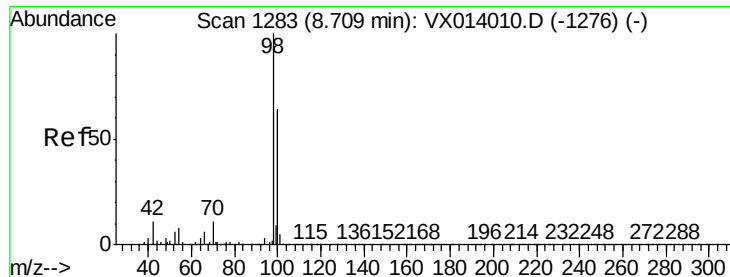
Tgt Ion:	41	Resp:	1067
Ion	Ratio	Lower	Upper
41	100		
39	38.7	44.5	66.7#
67	35.3	57.4	86.0#
52	18.6	23.0	34.4#



#49
1,4-Dioxane
Concen: 2.587 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

Tgt Ion:	88	Resp:	376
Ion	Ratio	Lower	Upper
88	100		
43	64.4	26.5	39.7#
58	75.0	56.8	85.2





#50

Toluene-d8

Concen: 50.049 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

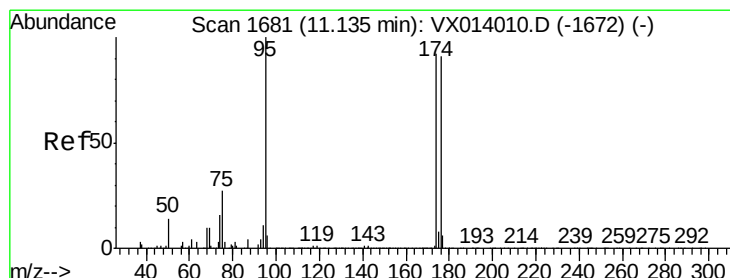
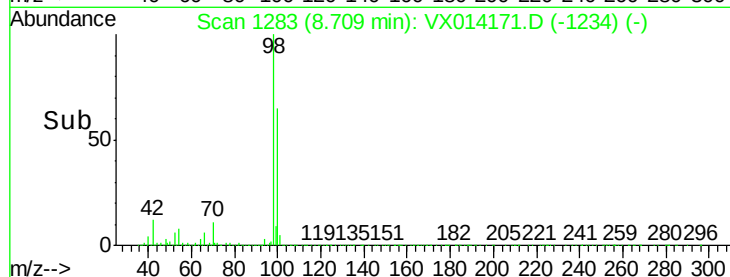
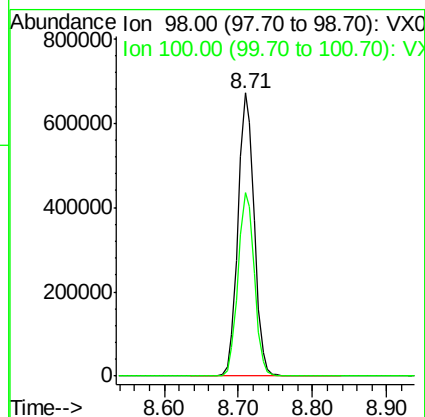
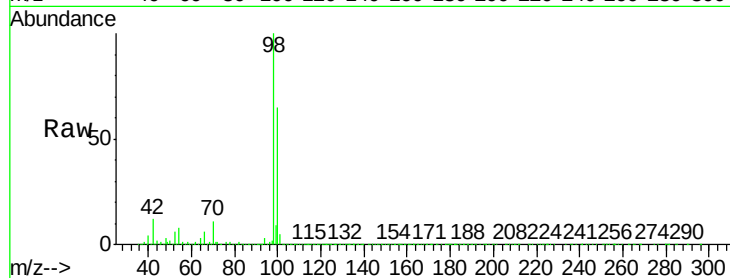
TRIP-BLANK

Tgt Ion: 98 Resp: 1030453

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.026 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

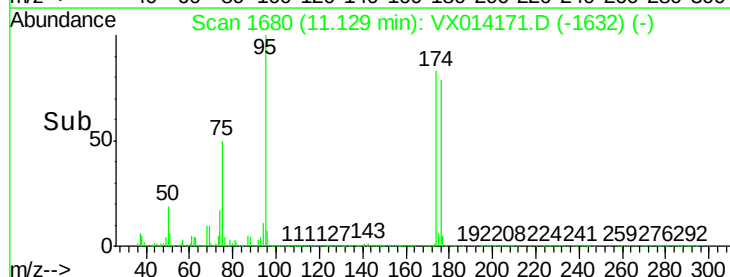
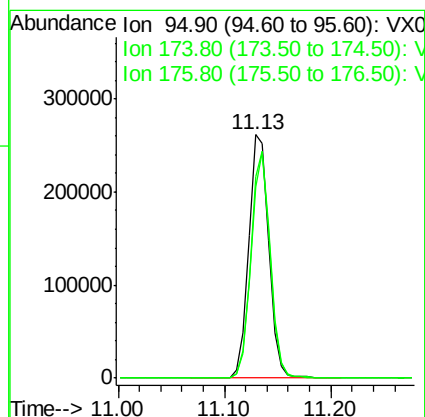
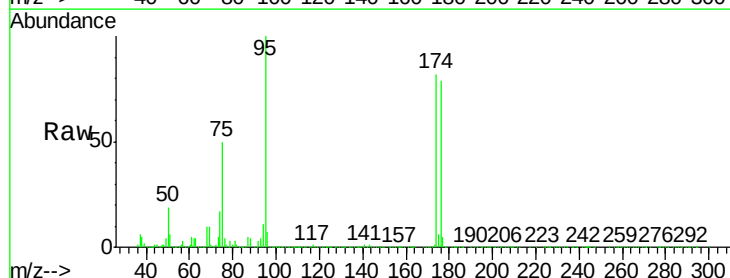
Tgt Ion: 95 Resp: 346400

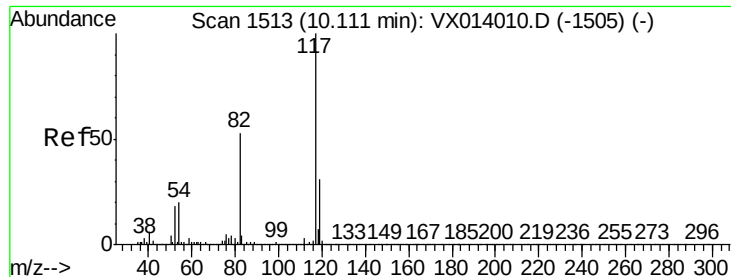
Ion Ratio Lower Upper

95 100

174 90.1 0.0 175.8

176 87.1 0.0 173.0

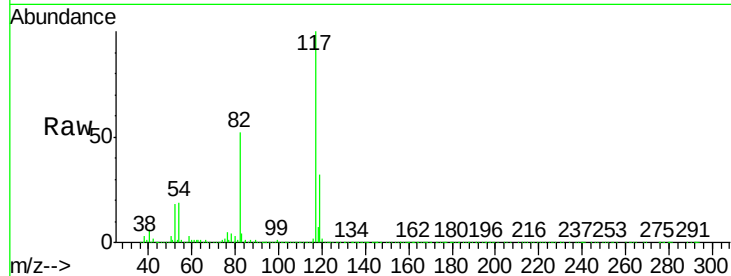




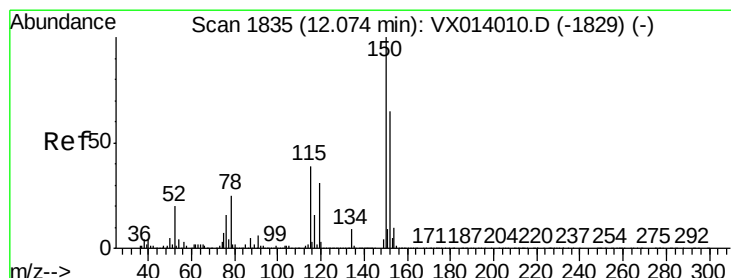
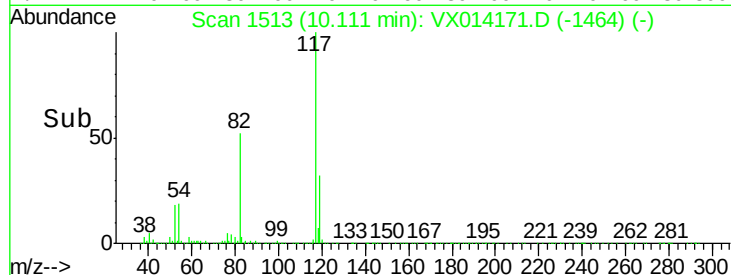
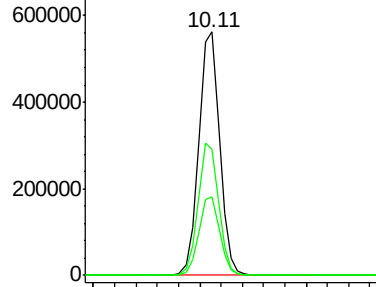
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.2	63.4
119	32.5	25.1	37.7

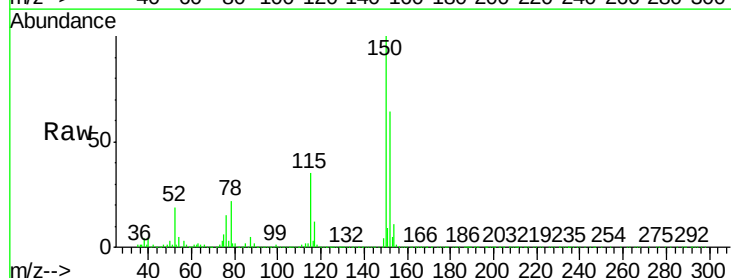


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

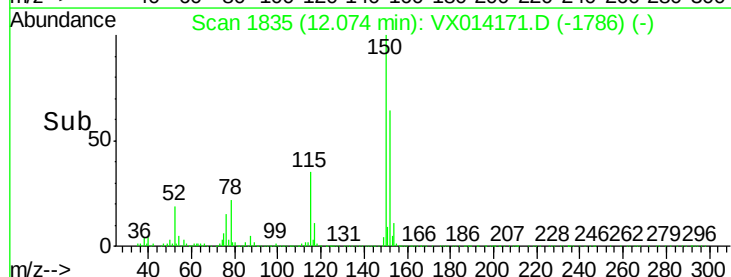
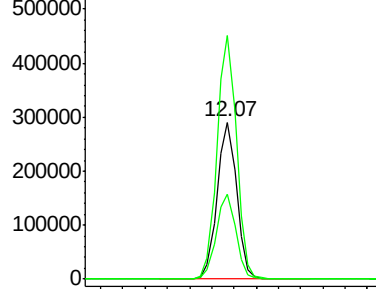


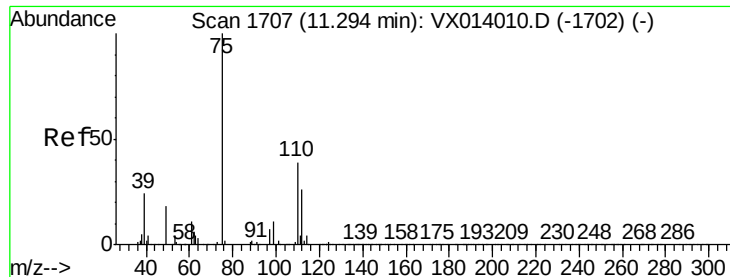
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014171.D
Acq: 20 Dec 2019 14:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.3	114.9
150	155.1	0.0	345.4



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: 21.669 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

Instrument :

MSVOA_X

ClientSampled :

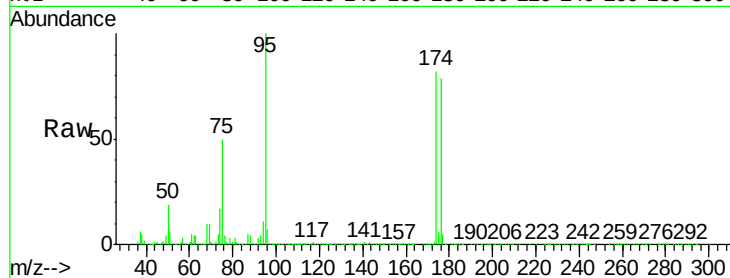
TRIP-BLANK

Tgt Ion: 75 Resp: 165736

Ion Ratio Lower Upper

75 100

77 1.3 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

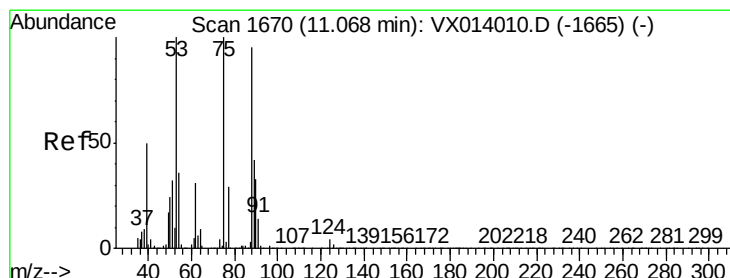
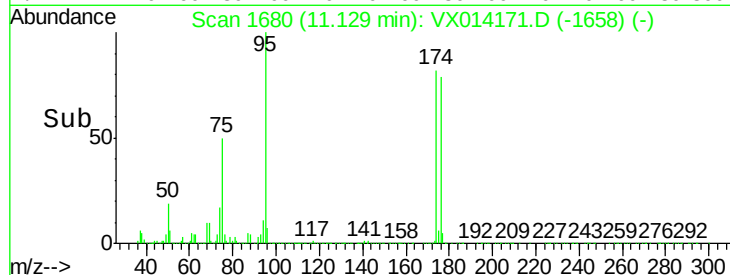
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.163 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014171.D

Acq: 20 Dec 2019 14:06

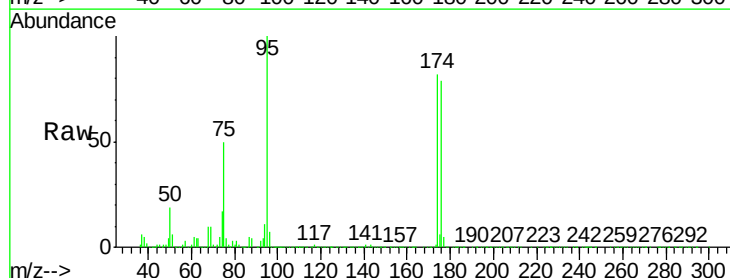
Tgt Ion: 75 Resp: 165736

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.3 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

150000

100000

50000

0

Time-->

