

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112619\
 Data File : VX013605.D
 Acq On : 26 Nov 2019 17:47
 Operator : JC/SP
 Sample : K5979-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391120791-TRIP-BLANK

Quant Time: Nov 26 18:07:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	712040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1156565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1029466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	472326	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	414352	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
35) Dibromofluoromethane	5.48	113	345594	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
50) Toluene-d8	8.71	98	1381974	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.13	95	461837	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.94%	

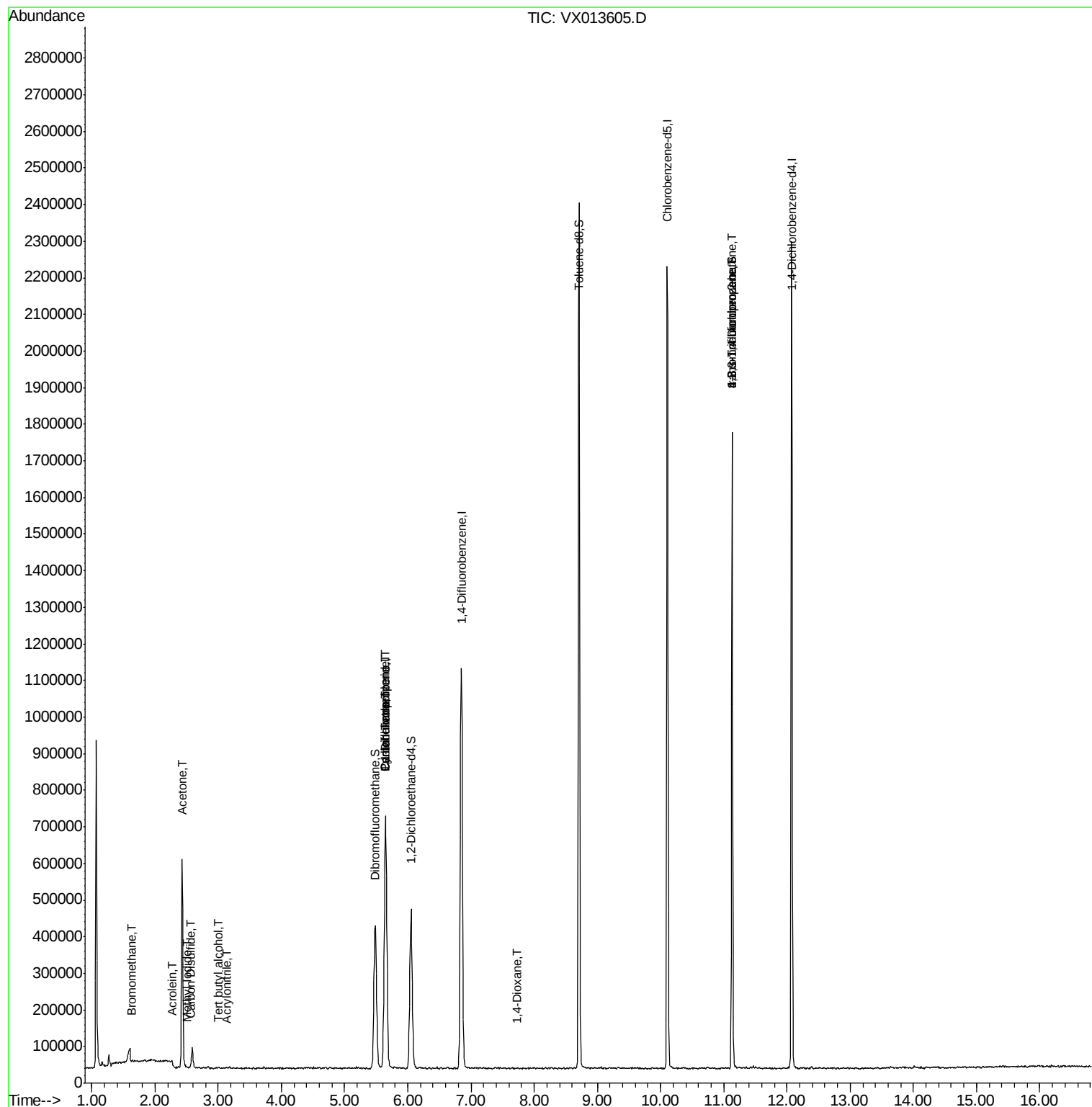
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1587	0.236	ug/l #	72
10) Methyl Iodide	2.51	142	2200	0.268	ug/l #	80
11) Tert butyl alcohol	3.00	59	3244	1.590	ug/l #	94
13) Acrolein	2.26	56	627	6.452	ug/l #	57
15) Acrylonitrile	3.13	53	2321	0.551	ug/l #	31
16) Acetone	2.43	43	598932	146.775	ug/l	99
17) Carbon Disulfide	2.56	76	6669	0.345	ug/l #	93
31) Cyclohexane	5.65	56	12058	0.988	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	46177	4.398	ug/l #	42
38) Carbon Tetrachloride	5.64	117	61936	6.398	ug/l #	15
49) 1,4-Dioxane	7.73	88	297	1.408	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	229327	21.587	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	229327	59.058	ug/l #	11

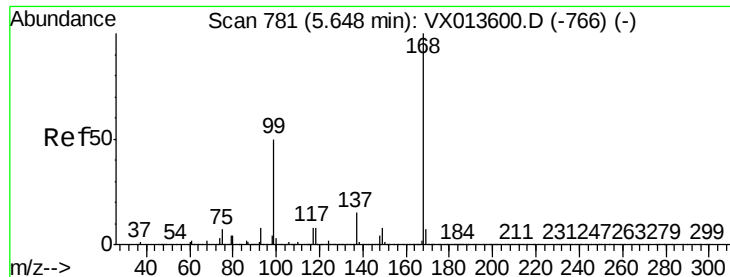
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX112619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

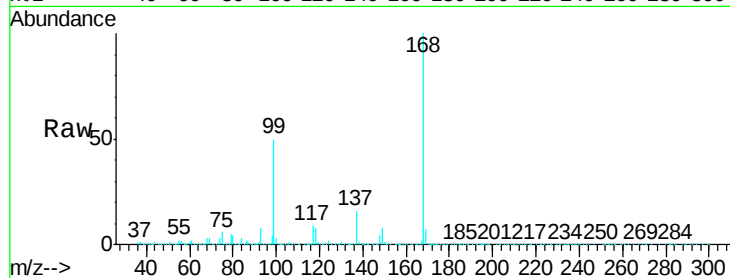
391120791-TRIP-BLANK

Tgt Ion: 168 Resp: 712040

Ion Ratio Lower Upper

168 100

99 50.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

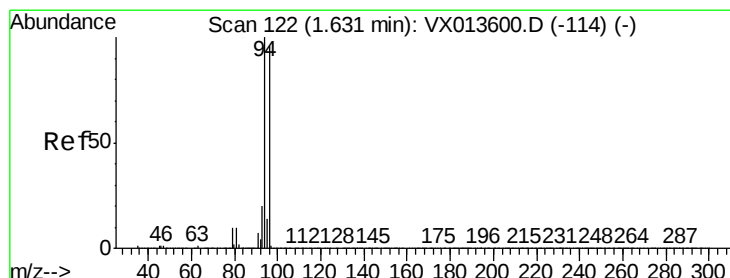
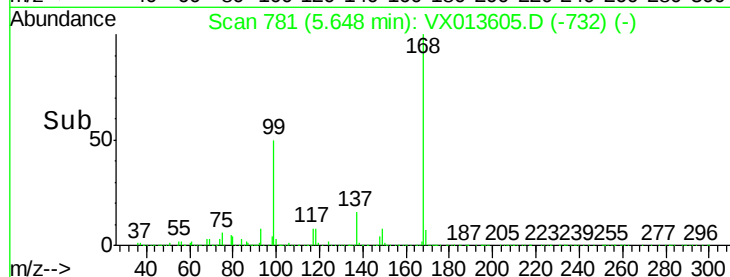
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013605.D

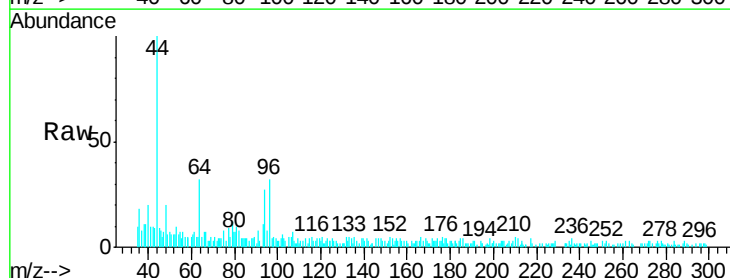
Acq: 26 Nov 2019 17:47

Tgt Ion: 94 Resp: 1587

Ion Ratio Lower Upper

94 100

96 123.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

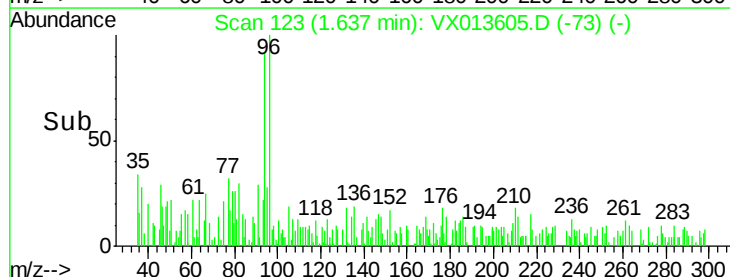
1500

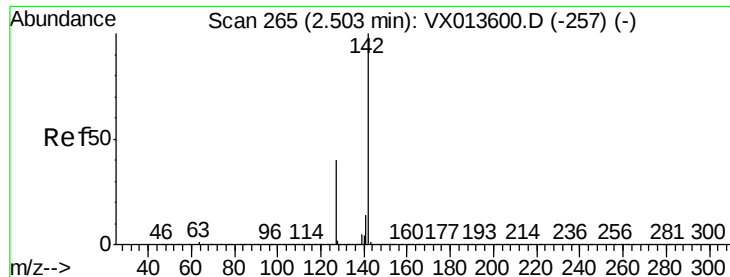
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 0.268 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

391120791-TRIP-BLANK

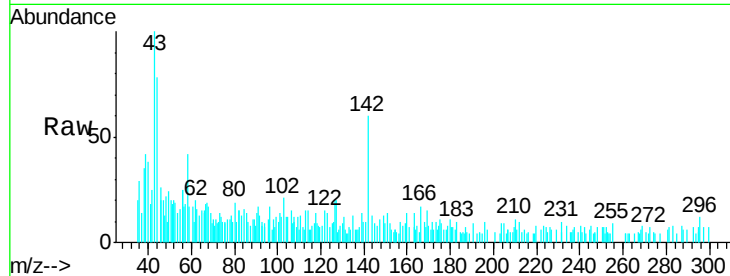
Tgt Ion: 142 Resp: 2200

Ion Ratio Lower Upper

142 100

127 23.5 31.0 46.4#

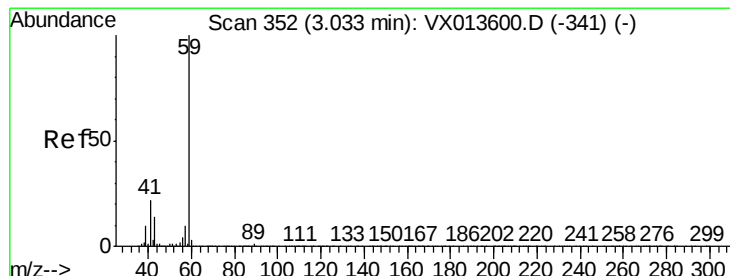
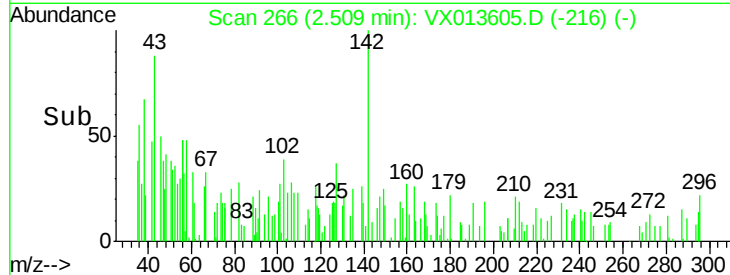
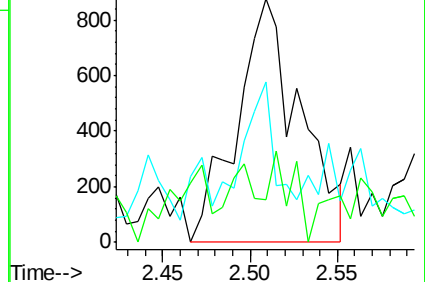
141 12.5 11.6 17.4



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



#11

Tert butyl alcohol

Concen: 1.590 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.03 min

Lab File: VX013605.D

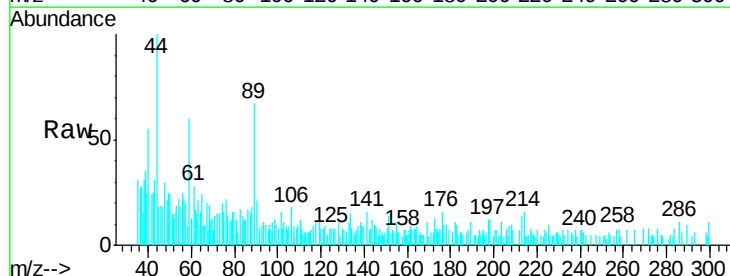
Acq: 26 Nov 2019 17:47

Tgt Ion: 59 Resp: 3244

Ion Ratio Lower Upper

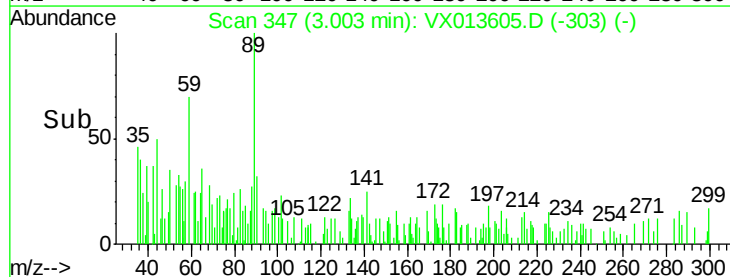
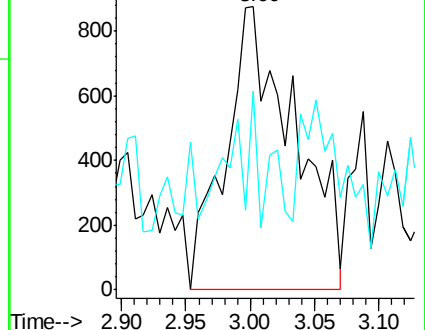
59 100

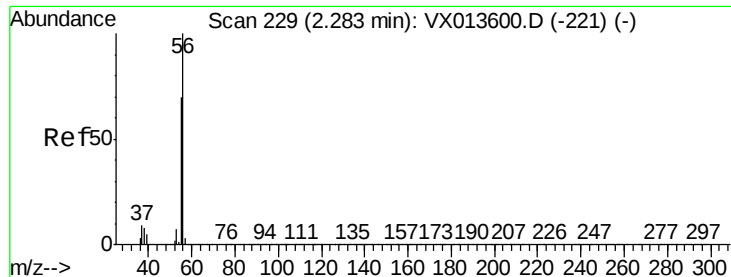
57 7.6 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.452 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

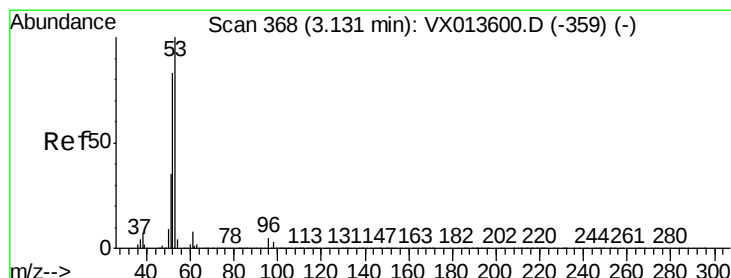
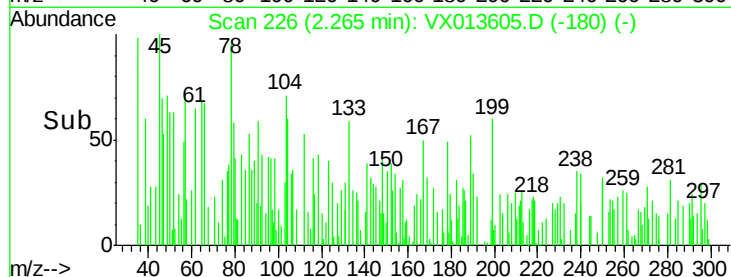
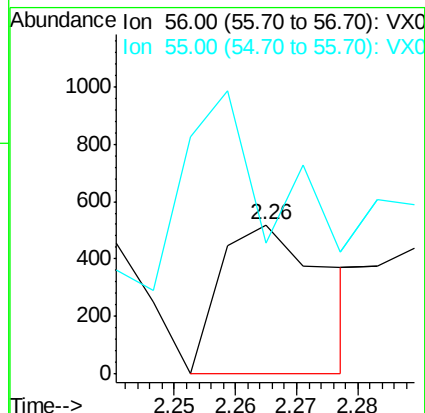
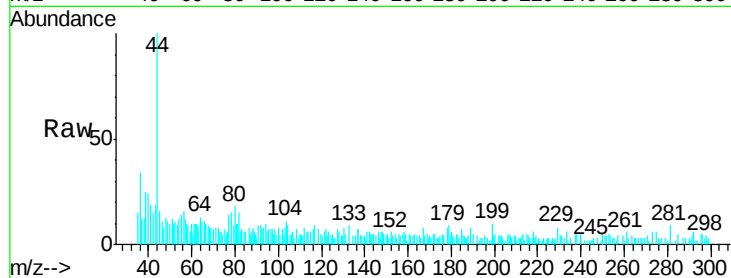
391120791-TRIP-BLANK

Tgt Ion: 56 Resp: 627

Ion Ratio Lower Upper

56 100

55 106.1 56.2 84.4#



#15

Acrylonitrile

Concen: 0.551 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

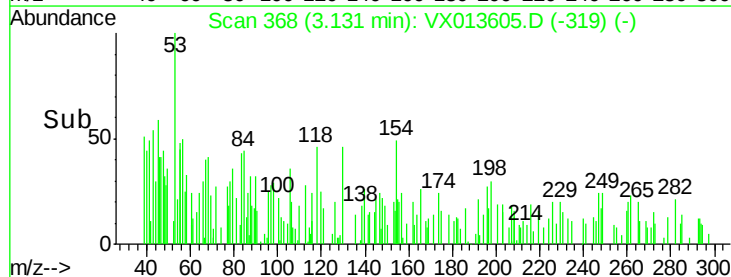
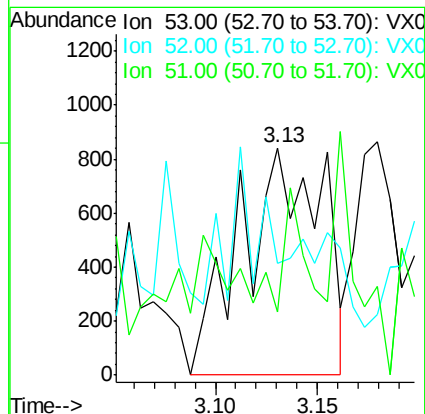
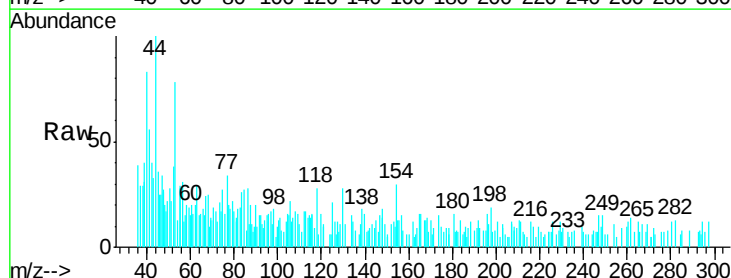
Tgt Ion: 53 Resp: 2321

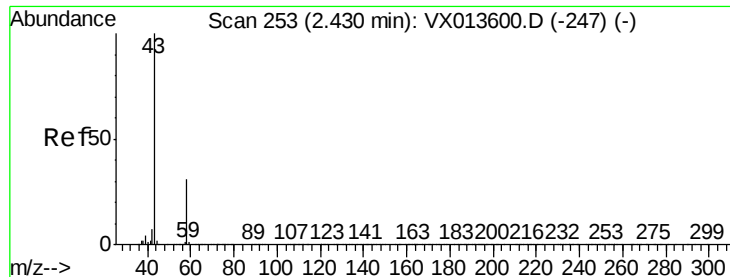
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 26.3 29.0 43.6#





#16

Acetone

Concen: 146.775 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

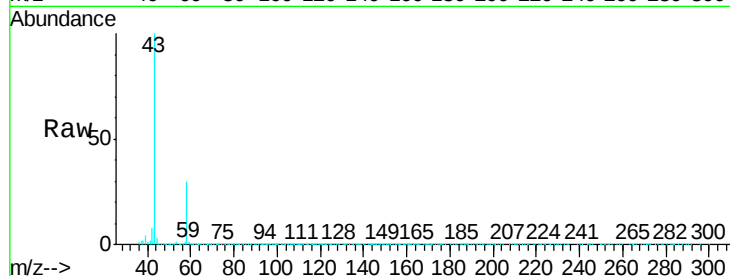
391120791-TRIP-BLANK

Tgt Ion: 43 Resp: 598932

Ion Ratio Lower Upper

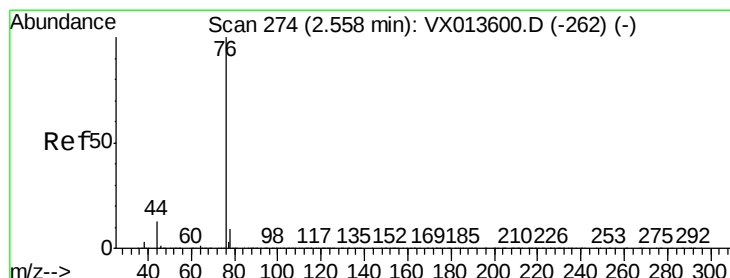
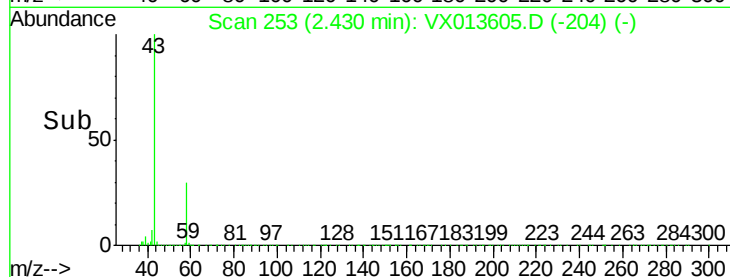
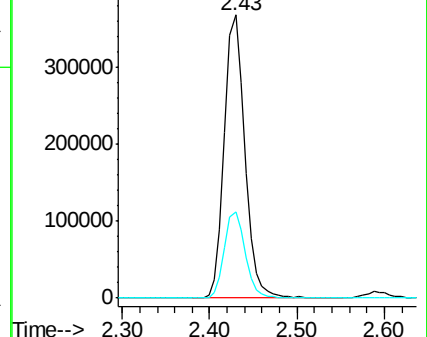
43 100

58 30.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.345 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013605.D

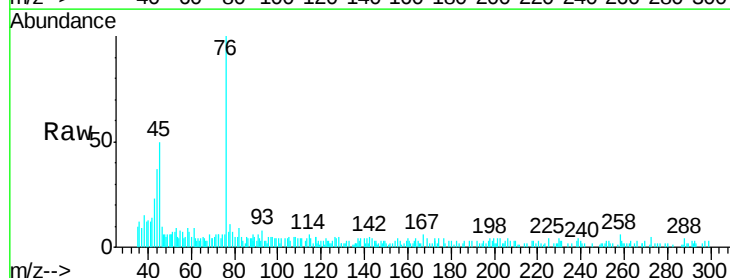
Acq: 26 Nov 2019 17:47

Tgt Ion: 76 Resp: 6669

Ion Ratio Lower Upper

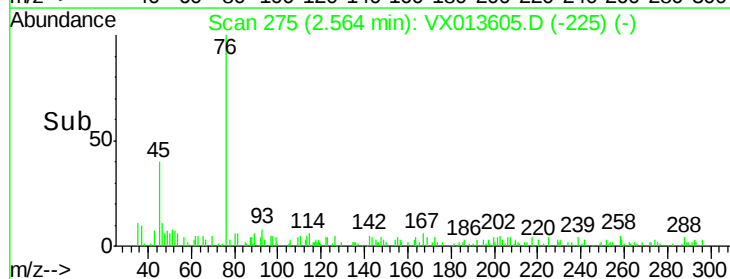
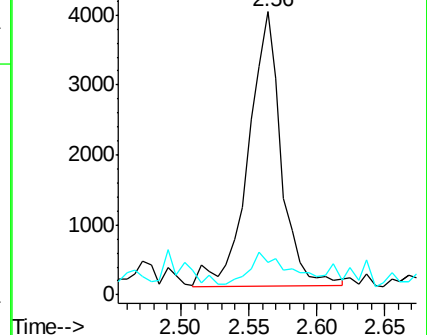
76 100

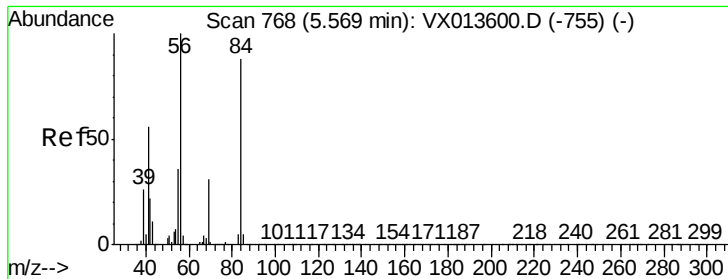
78 6.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

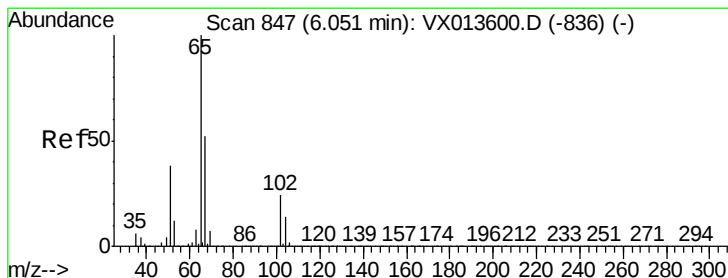
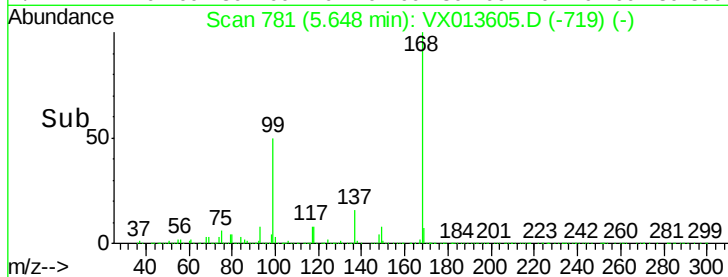
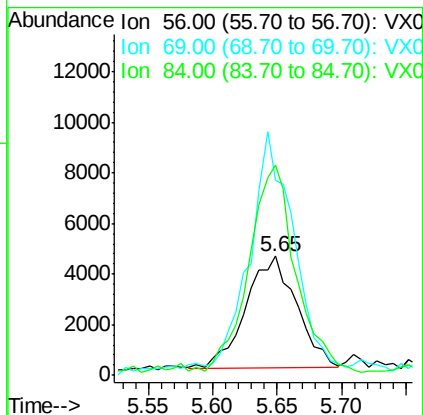
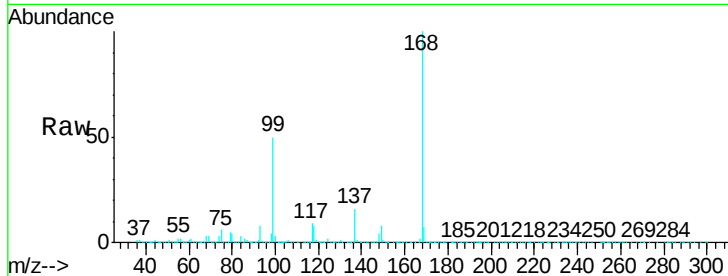




#31
Cyclohexane
Concen: 0.988 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013605.D
Acq: 26 Nov 2019 17:47

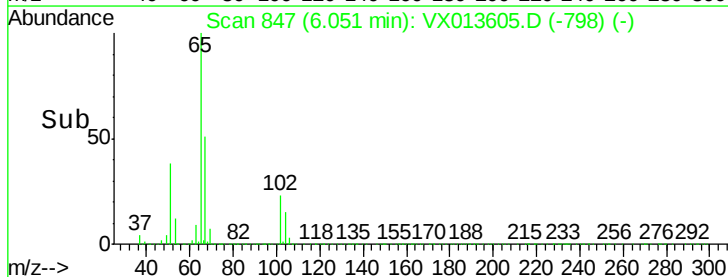
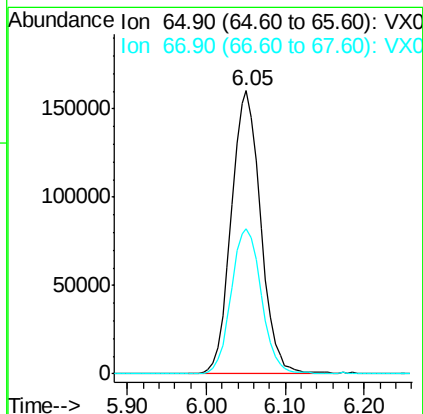
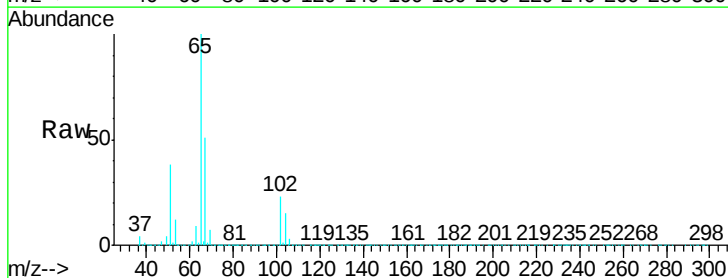
Instrument :
MSVOA_X
ClientSampleId :
391120791-TRIP-BLANK

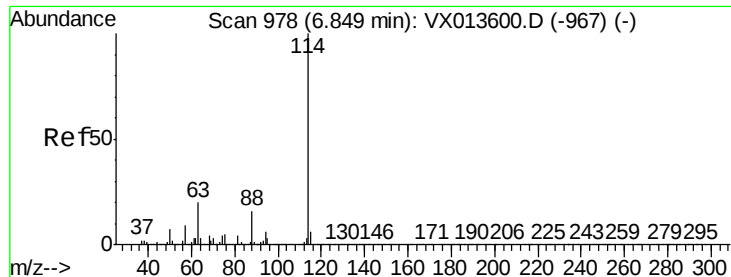
Tgt Ion: 56 Resp: 12058
Ion Ratio Lower Upper
56 100
69 165.8 24.6 36.8#
84 186.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 50.132 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013605.D
Acq: 26 Nov 2019 17:47

Tgt Ion: 65 Resp: 414352
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

391120791-TRIP-BLANK

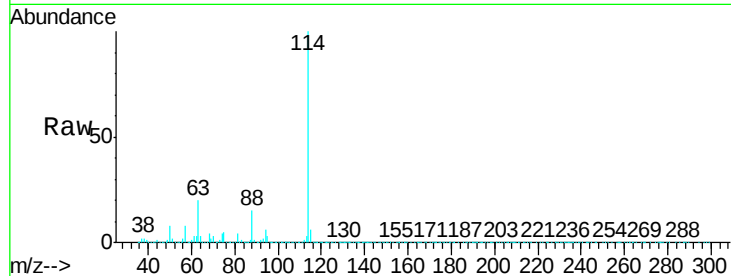
Tgt Ion:114 Resp: 1156565

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

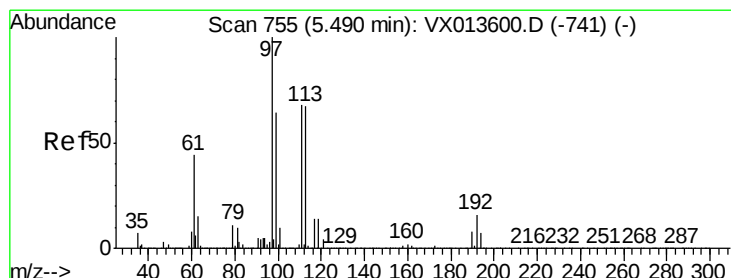
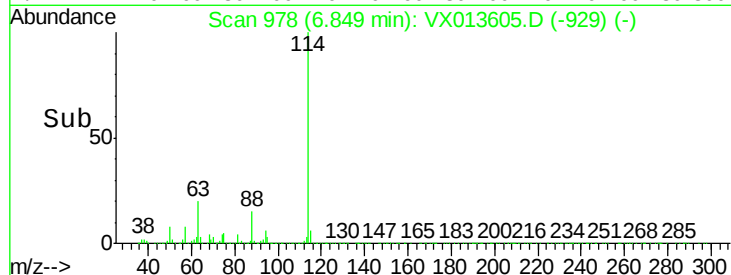
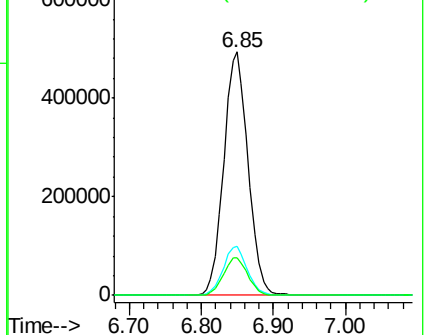
88 15.4 0.0 31.4



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: 48.335 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

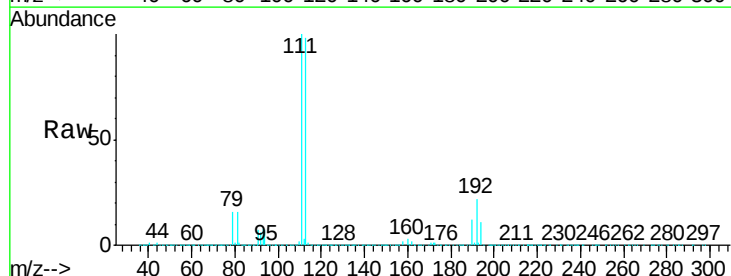
Tgt Ion:113 Resp: 345594

Ion Ratio Lower Upper

113 100

111 103.3 83.6 125.4

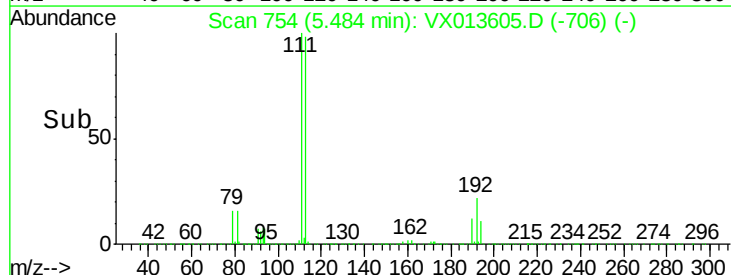
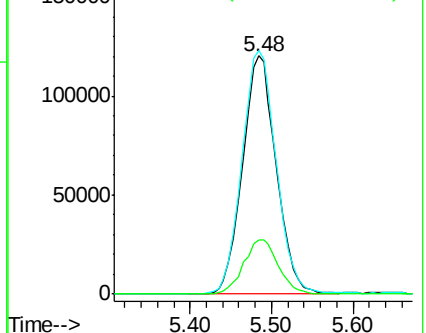
192 23.5 19.2 28.8

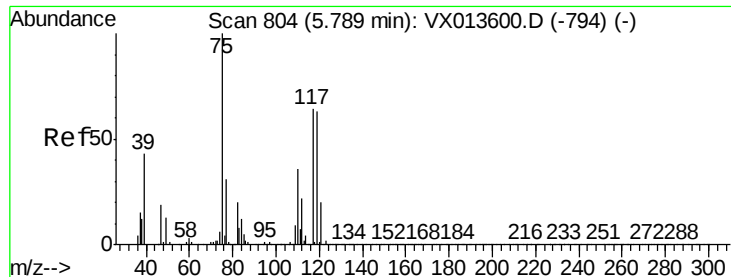


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

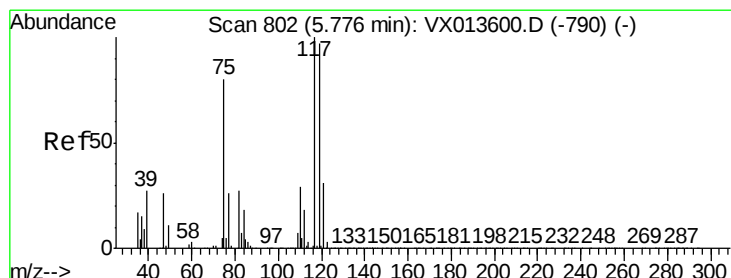
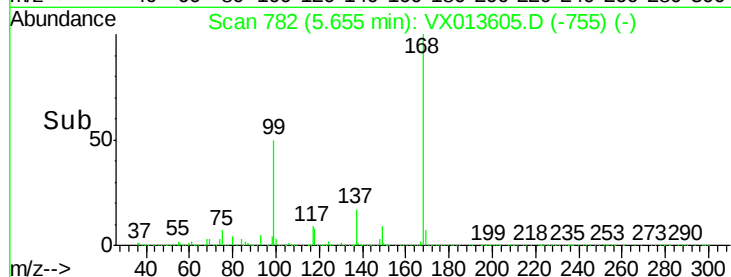
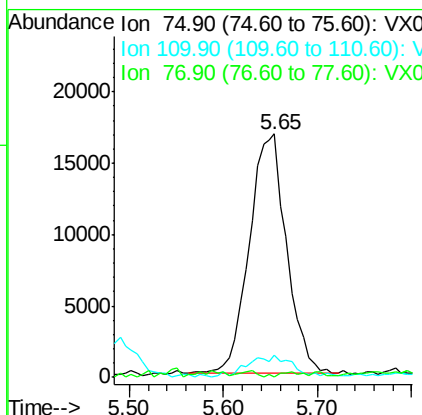
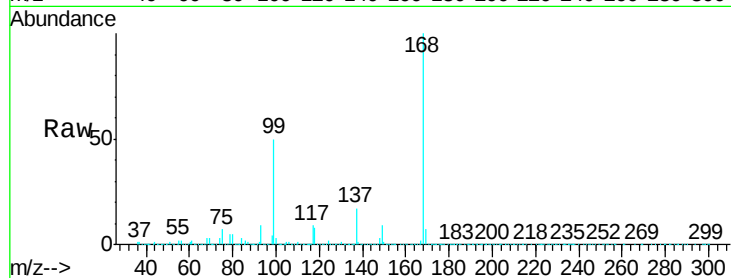




#36
 1,1-Dichloropropene
 Concen: 4.398 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013605.D
 Acq: 26 Nov 2019 17:47

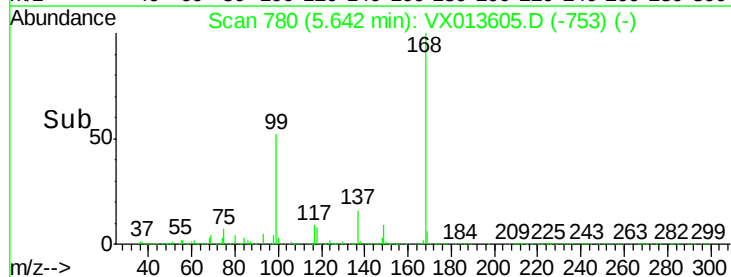
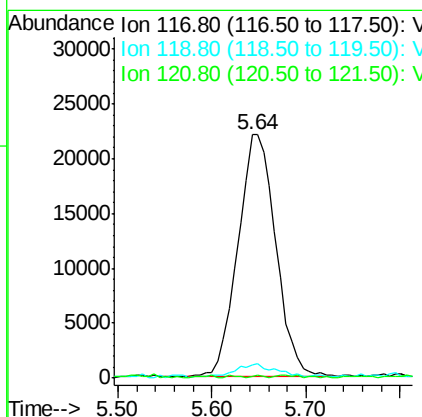
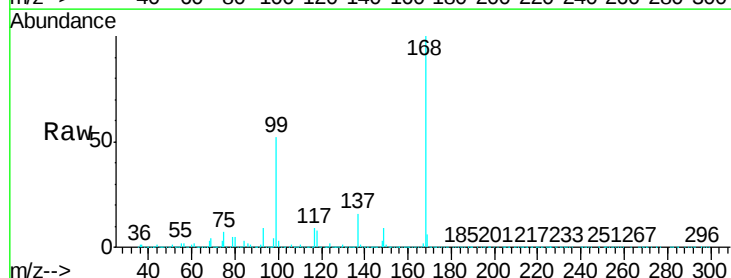
Instrument :
 MSVOA_X
 ClientSampleId :
 391120791-TRIP-BLANK

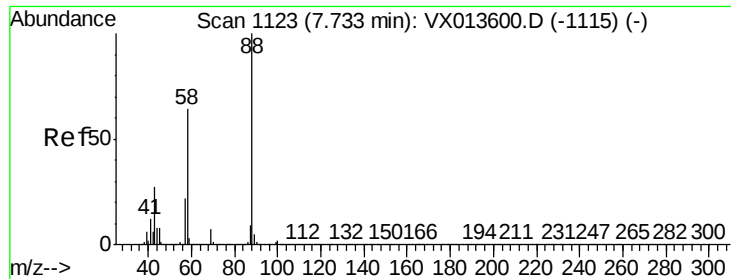
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	1.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.398 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013605.D
 Acq: 26 Nov 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.5	116.3#
121	0.6	25.0	37.6#





#49

1,4-Dioxane

Concen: 1.408 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

391120791-TRIP-BLANK

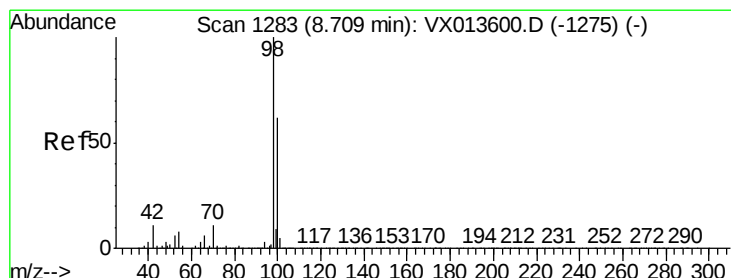
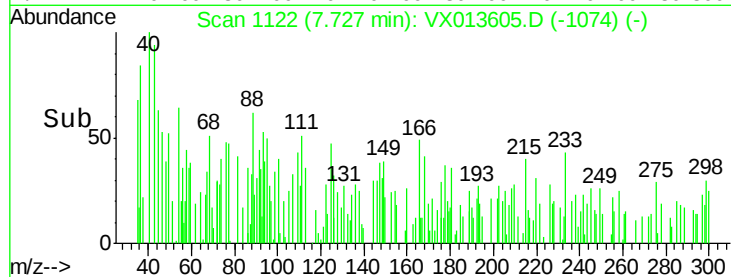
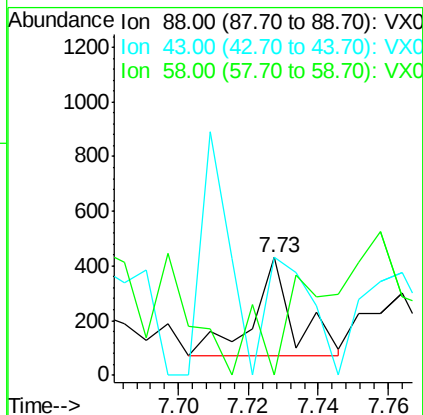
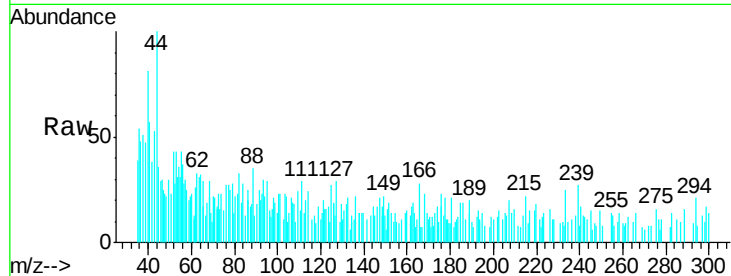
Tgt Ion: 88 Resp: 297

Ion Ratio Lower Upper

88 100

43 130.3 25.8 38.6#

58 0.0 54.6 82.0#



#50

Toluene-d8

Concen: 49.609 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013605.D

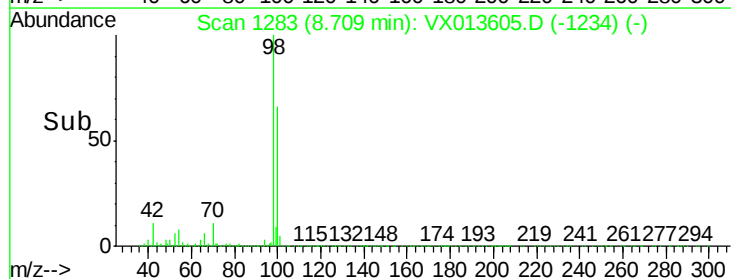
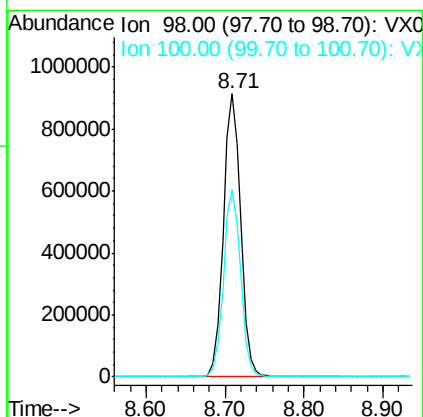
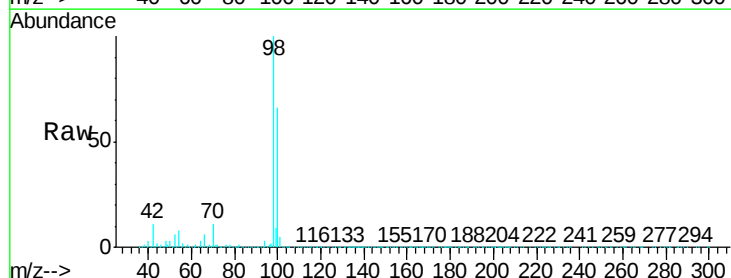
Acq: 26 Nov 2019 17:47

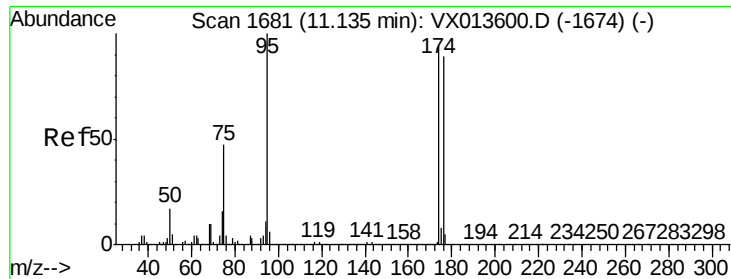
Tgt Ion: 98 Resp: 1381974

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.975 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

391120791-TRIP-BLANK

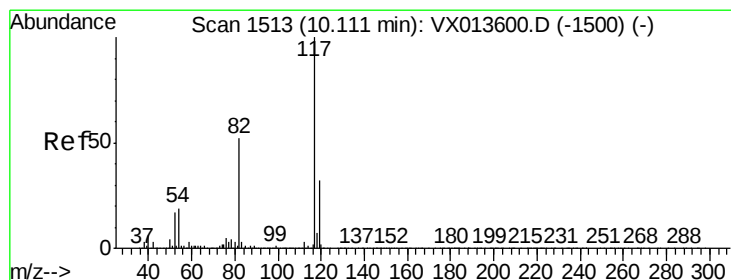
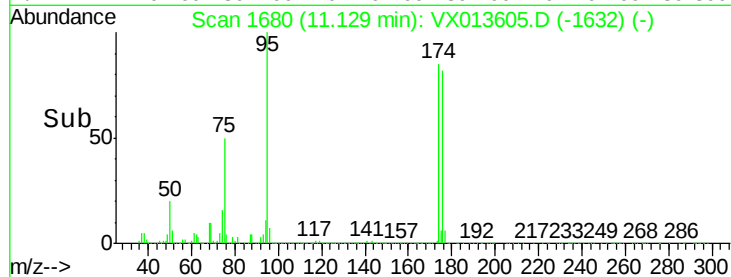
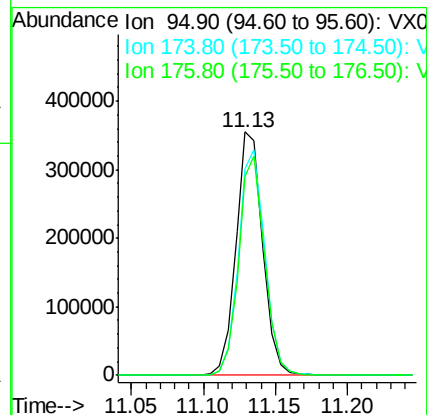
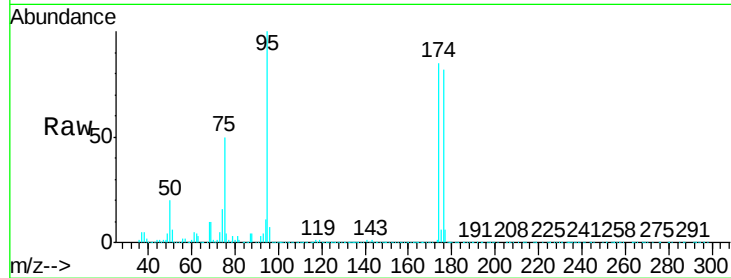
Tgt Ion: 95 Resp: 461837

Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.0

176 87.1 0.0 173.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

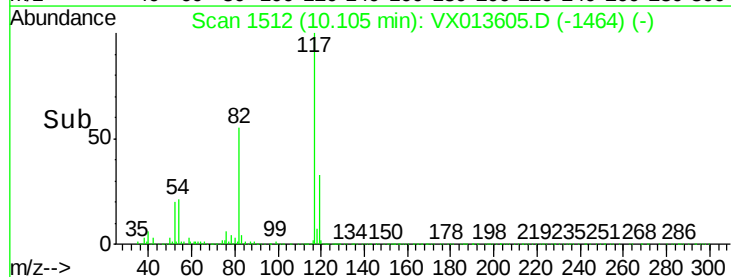
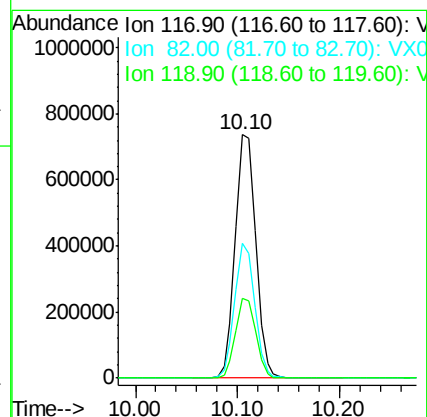
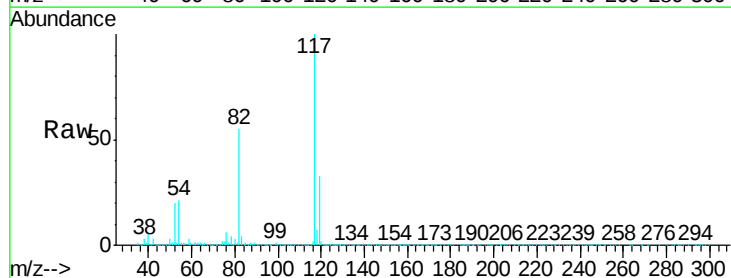
Tgt Ion: 117 Resp: 1029466

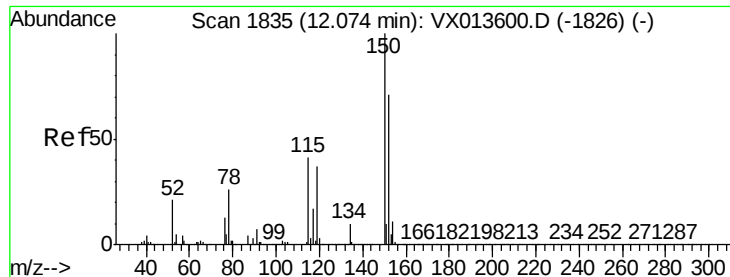
Ion Ratio Lower Upper

117 100

82 55.3 41.8 62.8

119 32.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013605.D

Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

391120791-TRIP-BLANK

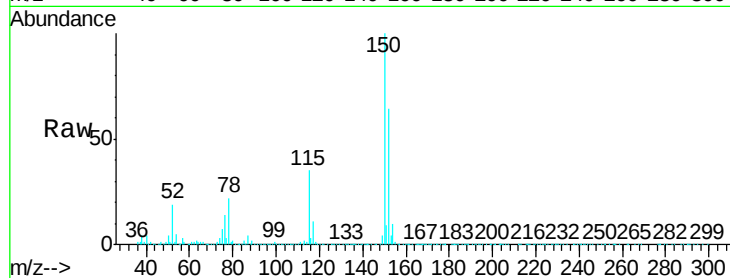
Tgt Ion:152 Resp: 472326

Ion Ratio Lower Upper

152 100

115 54.4 38.4 115.1

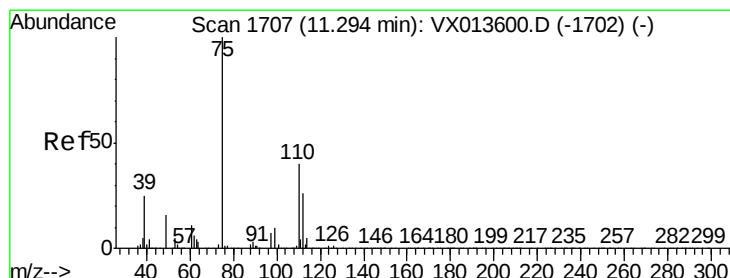
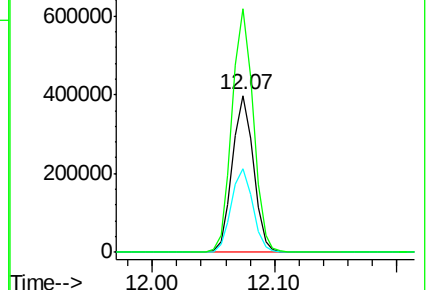
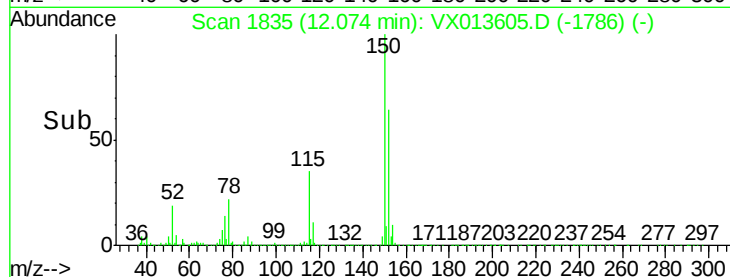
150 156.5 0.0 346.8



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: 21.587 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013605.D

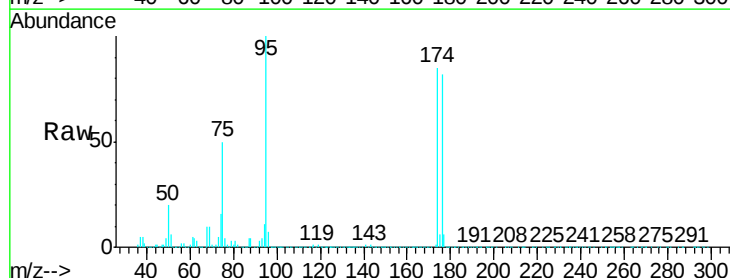
Acq: 26 Nov 2019 17:47

Tgt Ion: 75 Resp: 229327

Ion Ratio Lower Upper

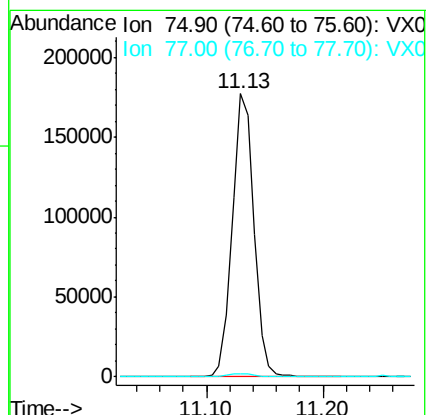
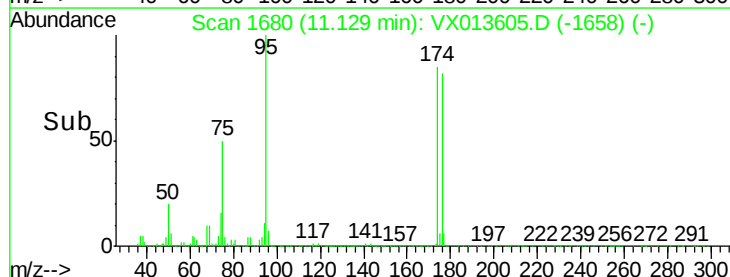
75 100

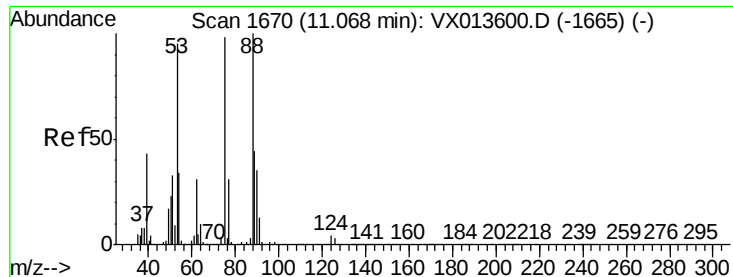
77 1.5 19.1 57.5#



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: 59.058 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013605.D

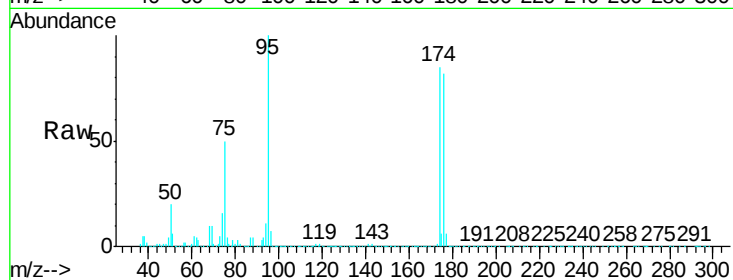
Acq: 26 Nov 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

391120791-TRIP-BLANK



Tgt Ion:	75	Resp:	229327
Ion	Ratio	Lower	Upper
75	100		
53	0.3	78.2	117.2#
89	0.0	35.4	53.2#

