

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092520\
 Data File : VX018603.D
 Acq On : 25 Sep 2020 18:09
 Operator : JC/SP
 Sample : L4140-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 28 01:55:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	461806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	741874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	744565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	371161	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	329969	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	5.47	113	254075	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.70	98	918601	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.12	95	353085	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	

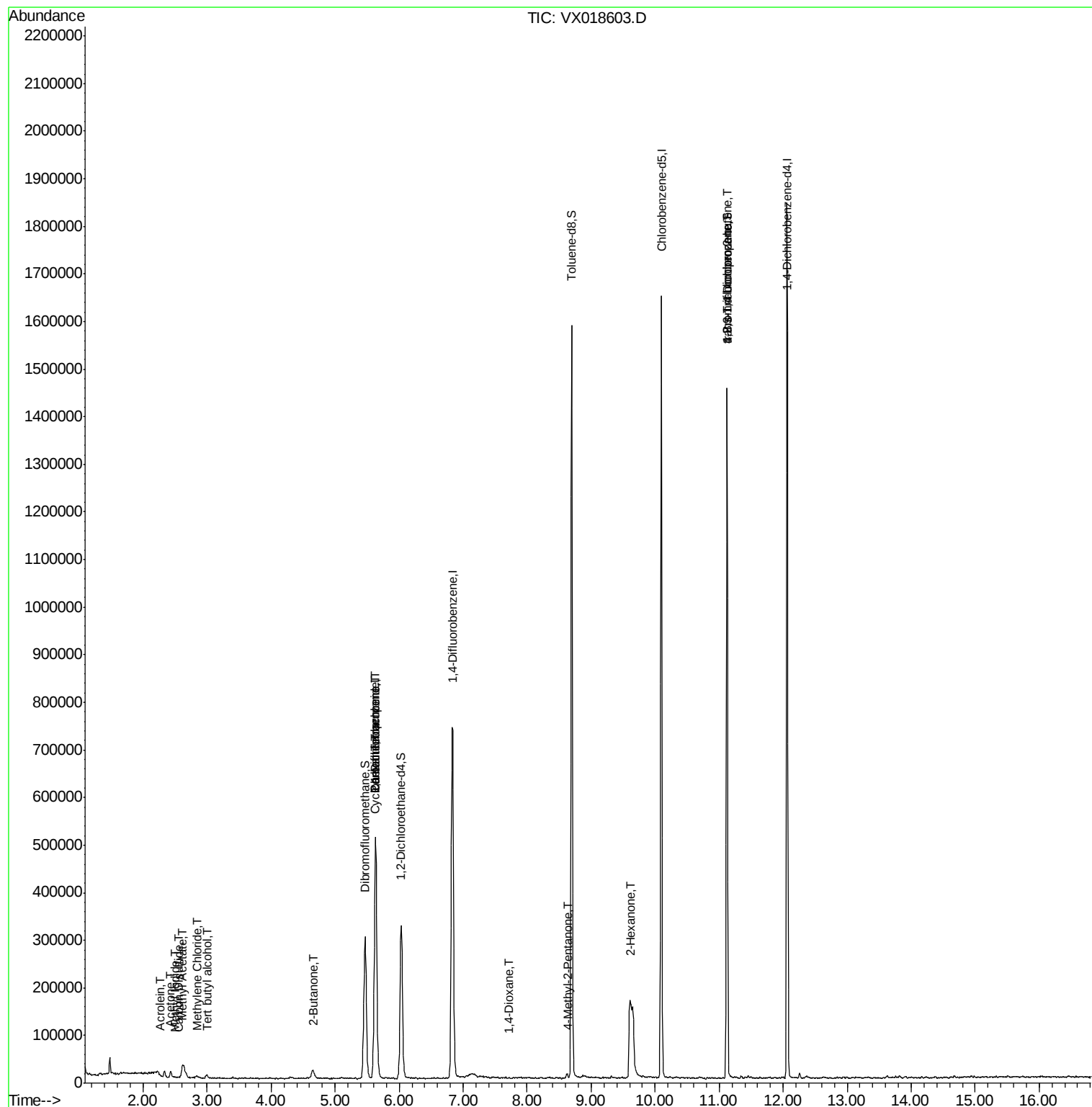
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	438	4.986	ug/l #	1
11) Tert butyl alcohol	3.00	59	5166	4.545	ug/l #	88
13) Acrolein	2.27	56	728	1.011	ug/l #	13
16) Acetone	2.43	43	15328	6.135	ug/l	96
17) Carbon Disulfide	2.56	76	3022	0.226	ug/l #	92
18) Methyl Acetate	2.62	43	15422	2.491	ug/l #	57
20) Methylene Chloride	2.84	84	3398	0.616	ug/l	89
25) 2-Butanone	4.65	43	4742	1.219	ug/l	92
31) Cyclohexane	5.62	56	11180	1.414	ug/l #	17
36) 1,1-Dichloropropene	5.64	75	37760	5.244	ug/l #	46
38) Carbon Tetrachloride	5.64	117	49096	6.156	ug/l #	18
49) 1,4-Dioxane	7.71	88	205	1.998	ug/l #	51
51) 4-Methyl-2-Pentanone	8.62	43	4814	0.634	ug/l #	72
59) 2-Hexanone	9.60	43	52240	9.040	ug/l #	35
76) 1,2,3-Trichloropropane	11.12	75	183564	23.535	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	183564	60.307	ug/l #	12

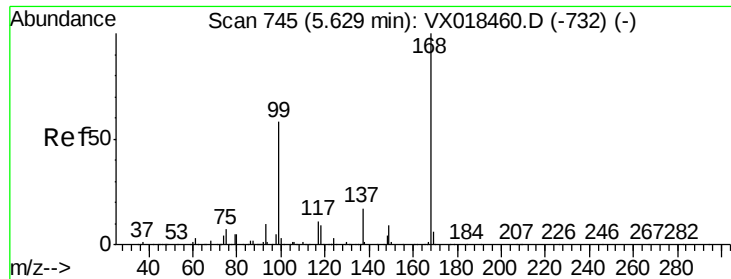
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092520\
Data File : VX018603.D
Acq On : 25 Sep 2020 18:09
Operator : JC/SP
Sample : L4140-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Sep 28 01:55:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

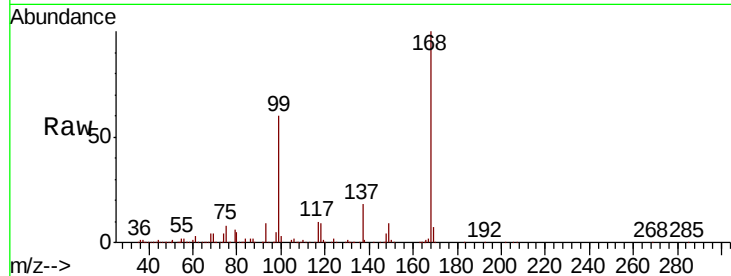
TRIP-BLANK

Tot Ion:168 Resp: 461806

Ion Ratio Lower Upper

168 100

99 60.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

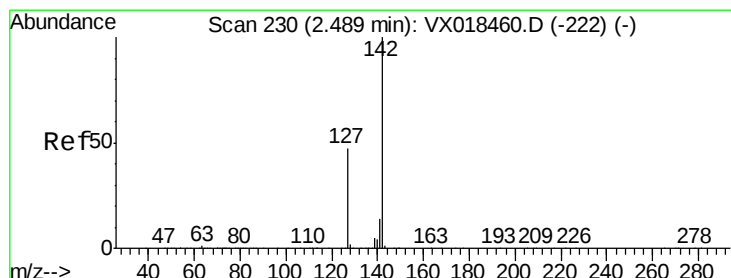
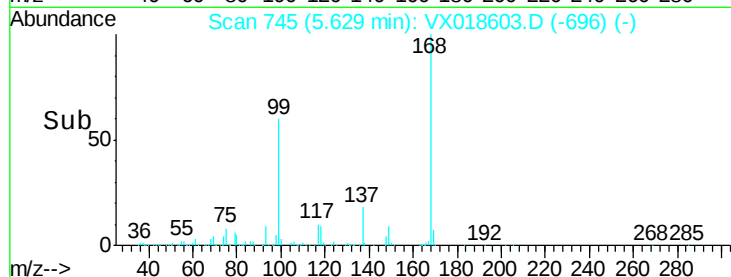
100000

50000

0

Time-->

5.50 5.60 5.70



#10

Methyl Iodide

Concen: 4.986 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

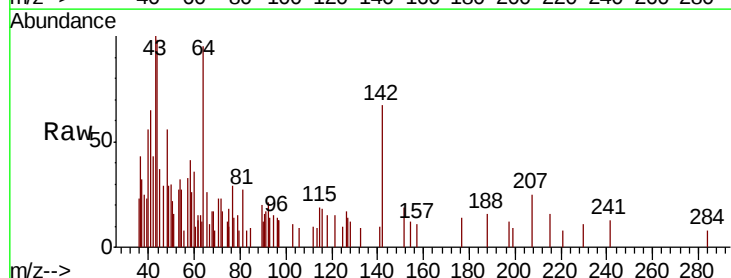
Tgt Ion:142 Resp: 438

Ion Ratio Lower Upper

142 100

127 123.5 36.0 54.0#

141 60.0 11.9 17.9#



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

600

500

400

300

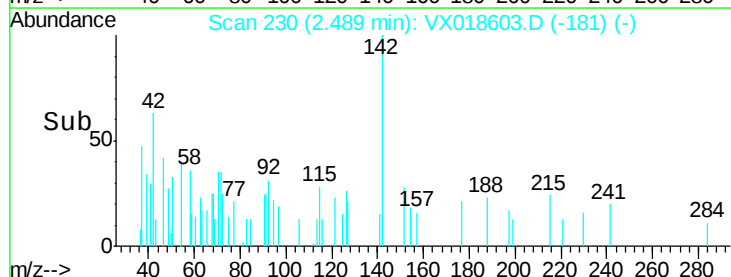
200

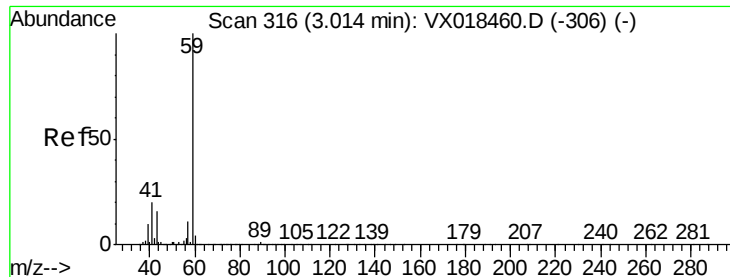
100

0

Time-->

2.46 2.47 2.48 2.49 2.50

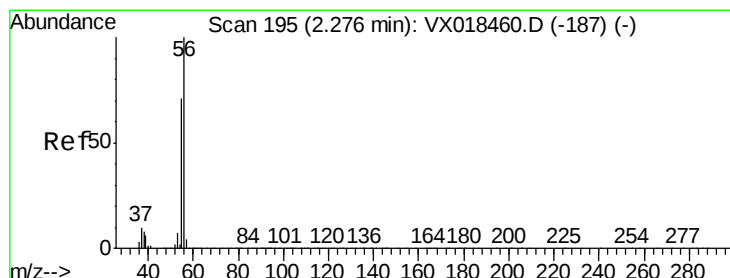
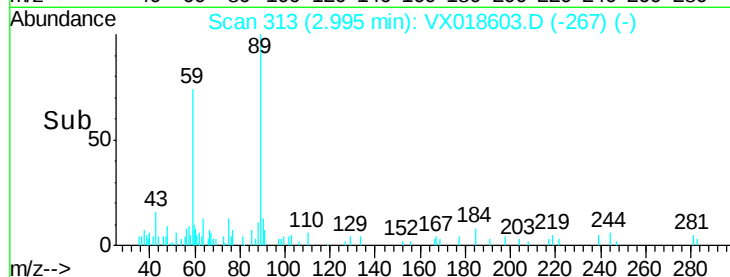
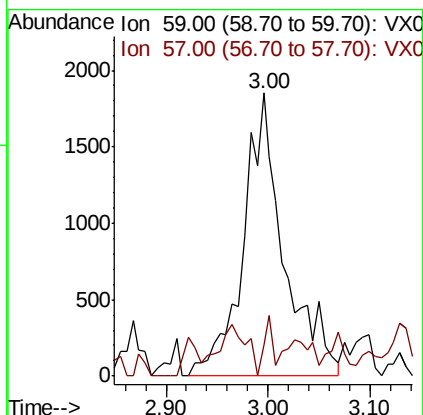
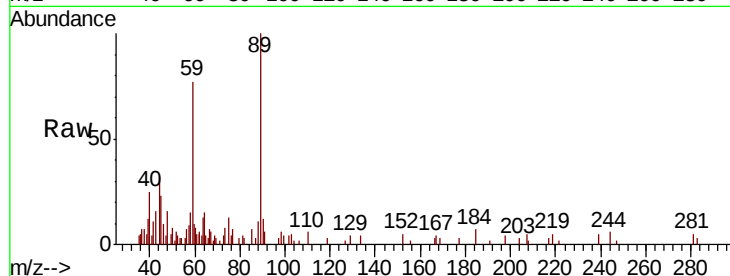




#11
Tert butyl alcohol
Concen: 4.545 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

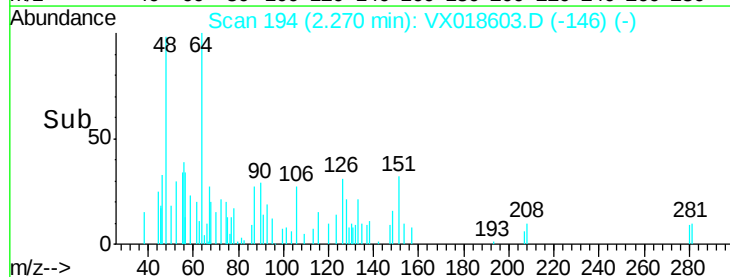
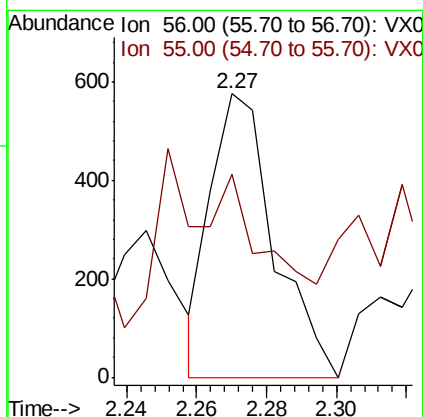
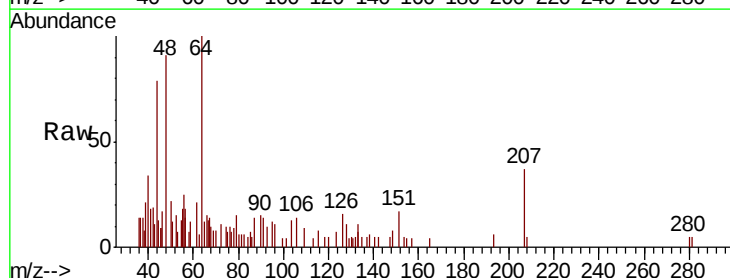
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

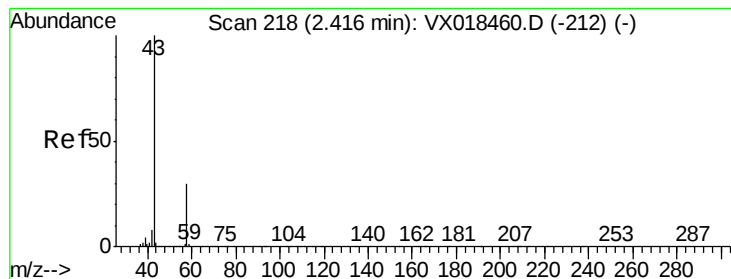
Tot Ion: 59 Resp: 5166
Ion Ratio Lower Upper
59 100
57 5.9 8.2 12.4#



#13
Acrolein
Concen: 1.011 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

Tgt Ion: 56 Resp: 728
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#





#16

Acetone

Concen: 6.135 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

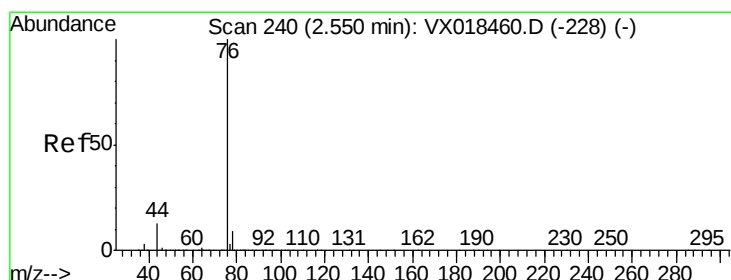
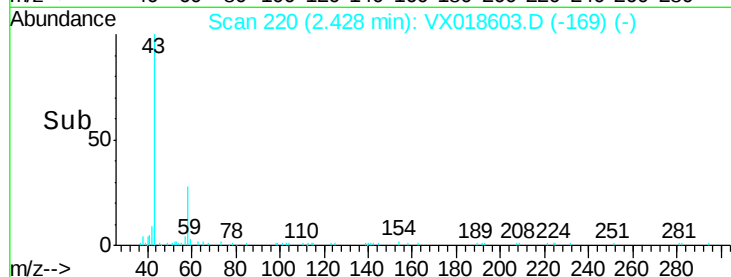
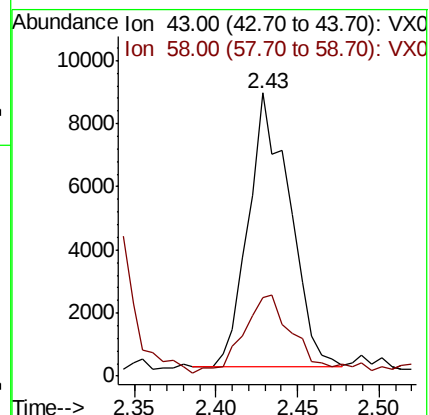
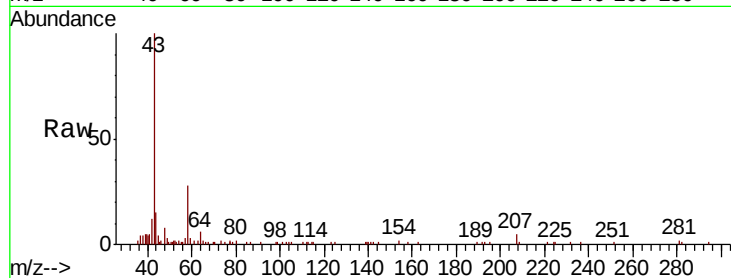
TRIP-BLANK

Tot Ion: 43 Resp: 15328

Ion Ratio Lower Upper

43 100

58 27.6 24.0 36.0



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018603.D

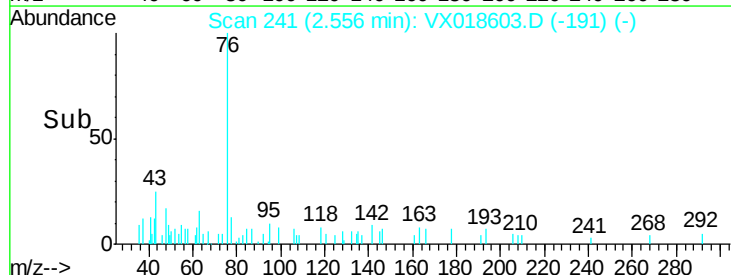
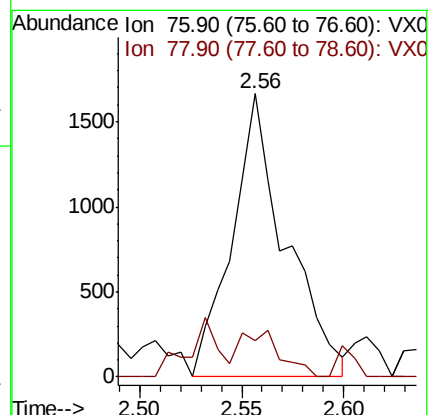
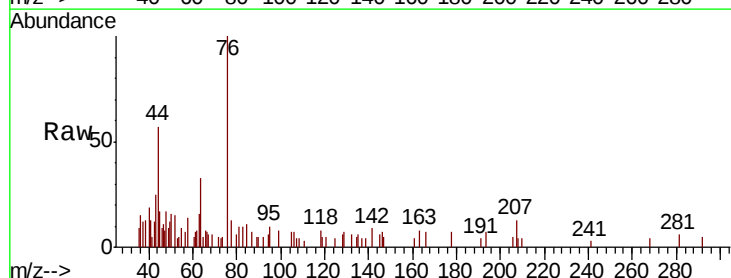
Acq: 25 Sep 2020 18:09

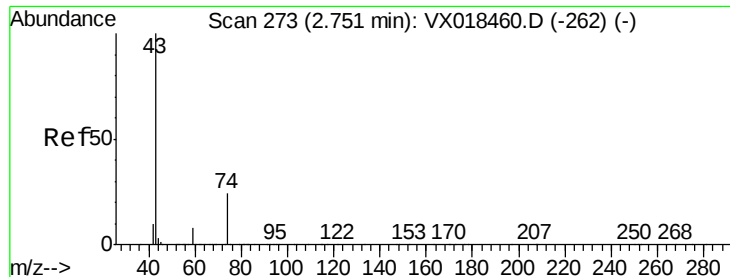
Tgt Ion: 76 Resp: 3022

Ion Ratio Lower Upper

76 100

78 5.8 7.0 10.4#

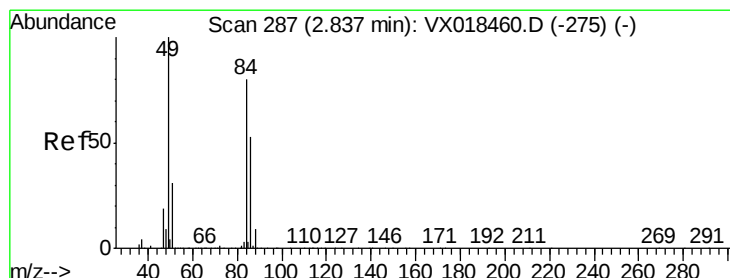
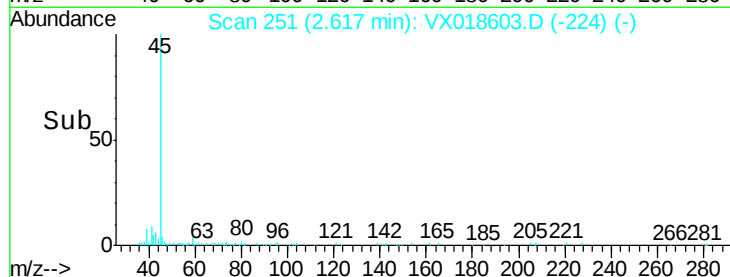
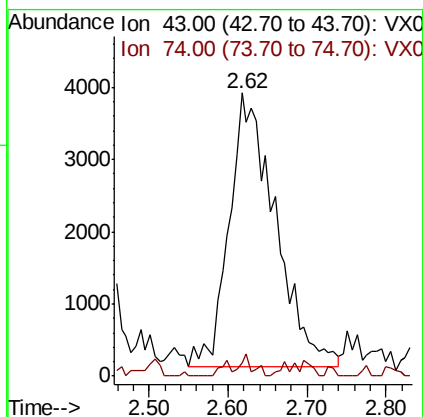
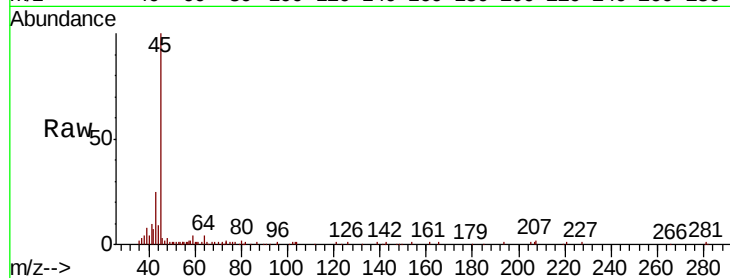




#18
Methyl Acetate
Concen: 2.491 ug/l
RT: 2.62 min Scan# 251
Delta R.T. -0.13 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

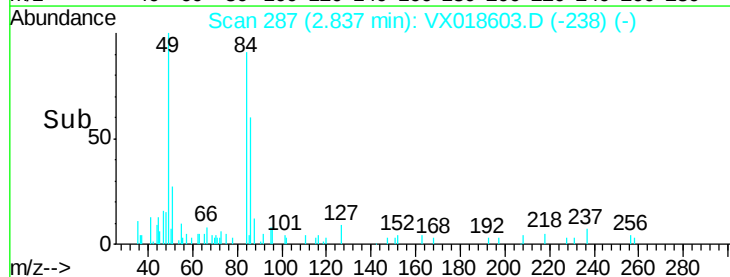
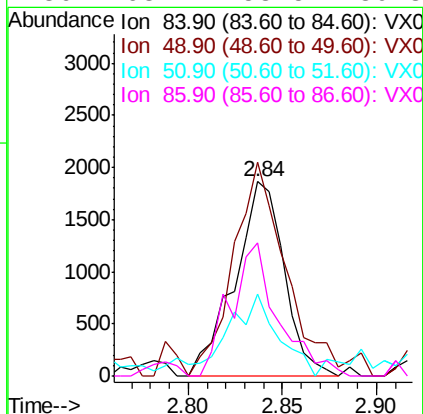
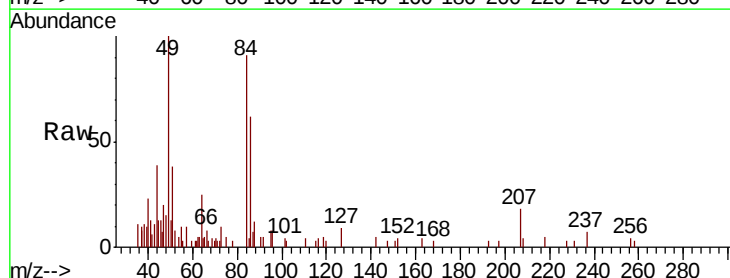
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

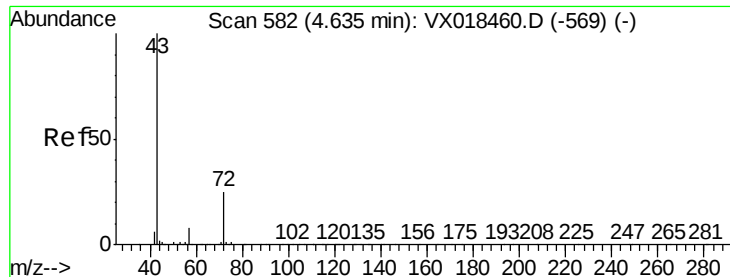
Tot Ion: 43 Resp: 15422
Ion Ratio Lower Upper
43 100
74 2.1 18.3 27.5#



#20
Methylene Chloride
Concen: 0.616 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

Tgt Ion: 84 Resp: 3398
Ion Ratio Lower Upper
84 100
49 105.6 100.6 151.0
51 36.5 30.9 46.3
86 68.7 53.5 80.3





#25

2-Butanone

Concen: 1.219 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

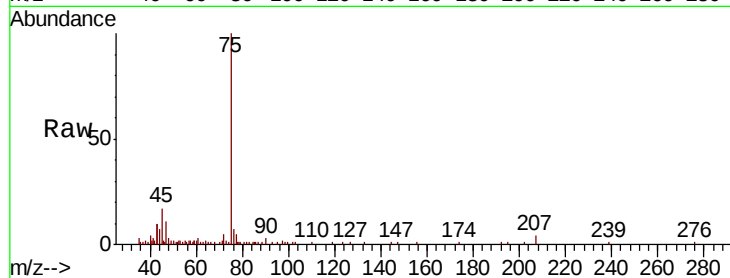
TRIP-BLANK

Tot Ion: 43 Resp: 4742

Ion Ratio Lower Upper

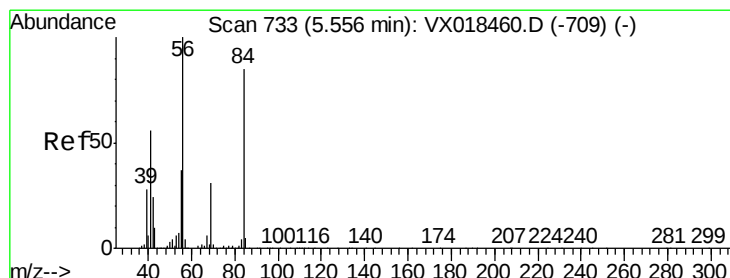
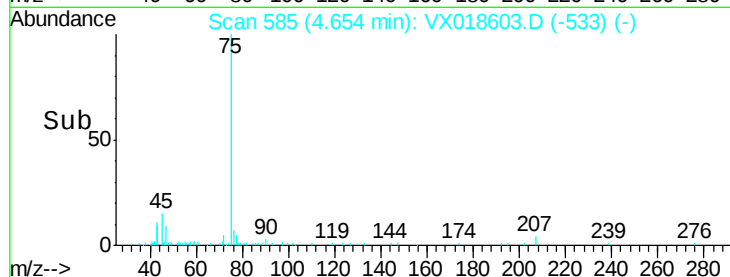
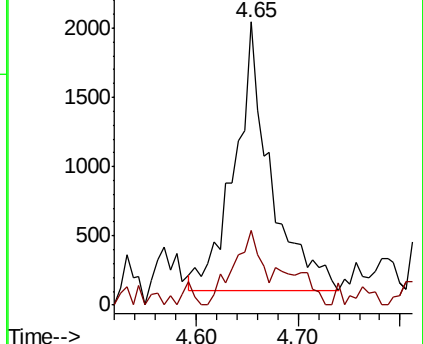
43 100

72 29.1 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.414 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.06 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

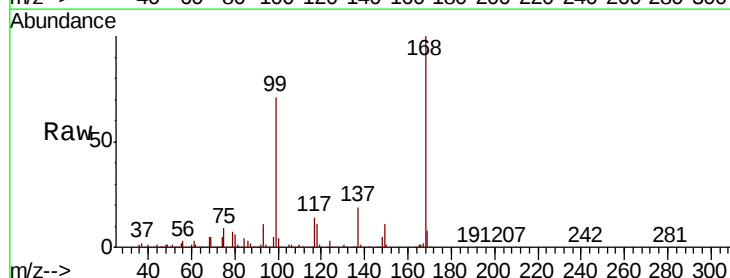
Tgt Ion: 56 Resp: 11180

Ion Ratio Lower Upper

56 100

69 157.8 24.8 37.2#

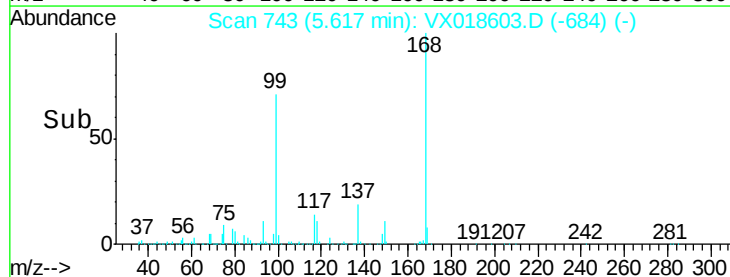
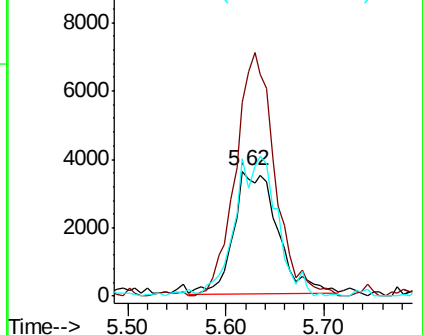
84 110.3 67.6 101.4#

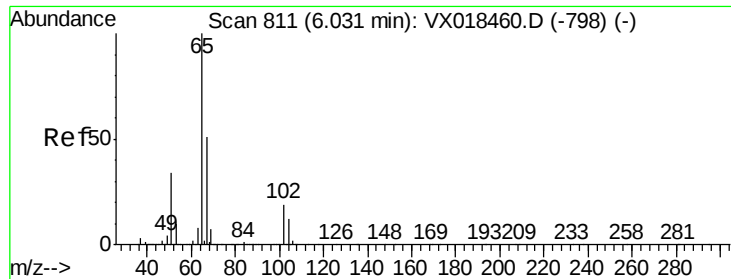


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

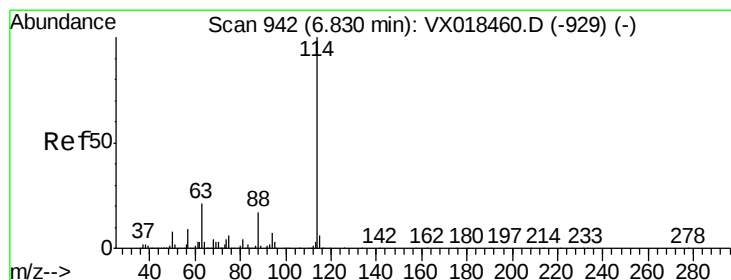
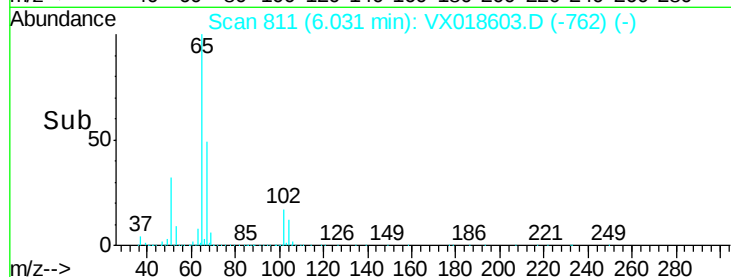
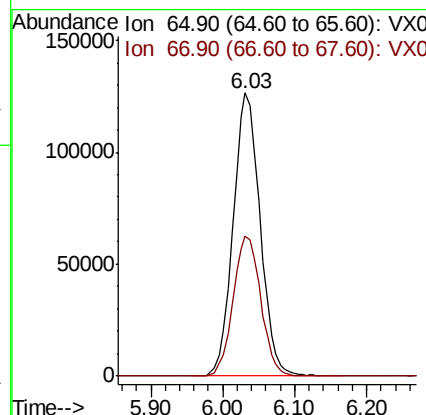
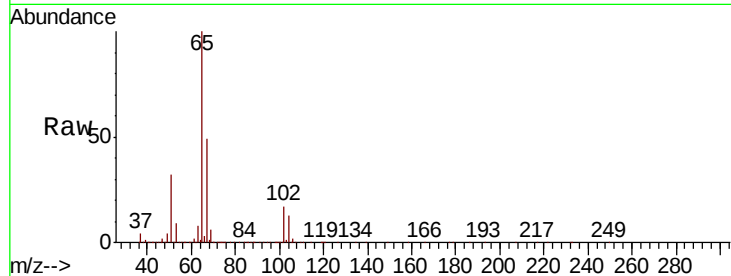




#33
 1,2-Dichloroethane-d4
 Concen: 50.508 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018603.D
 Acq: 25 Sep 2020 18:09

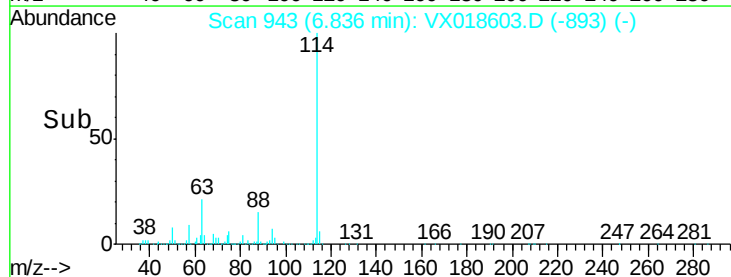
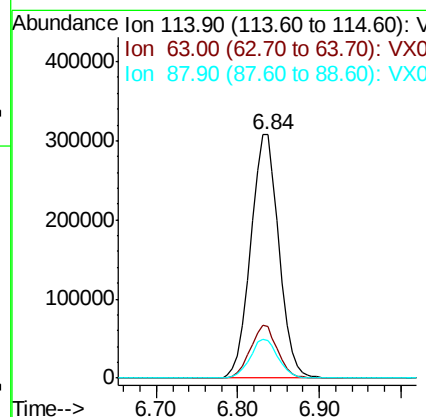
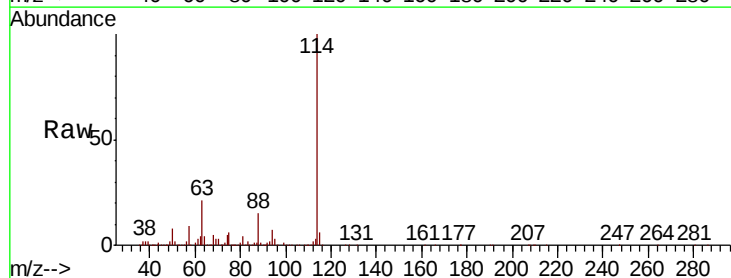
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

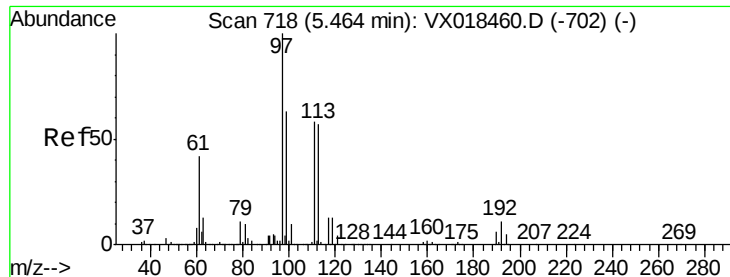
Tot Ion: 65 Resp: 329969
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX018603.D
 Acq: 25 Sep 2020 18:09

Tgt Ion: 114 Resp: 741874
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 15.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.540 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

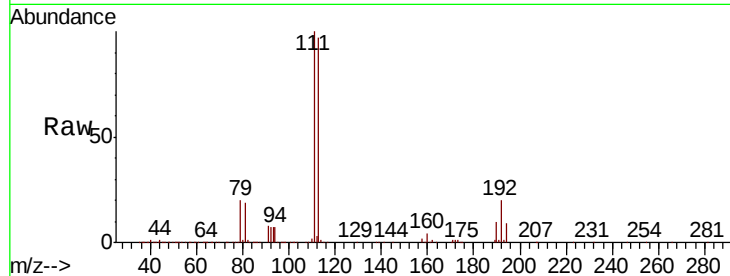
Tot Ion:113 Resp: 254075

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

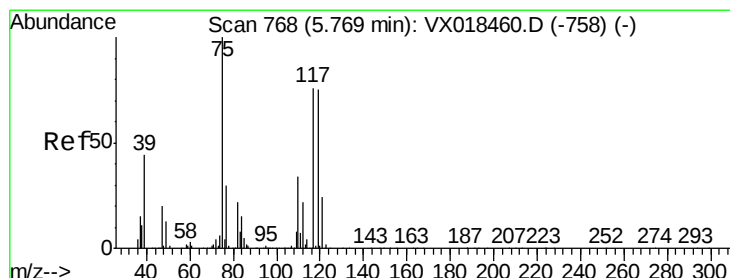
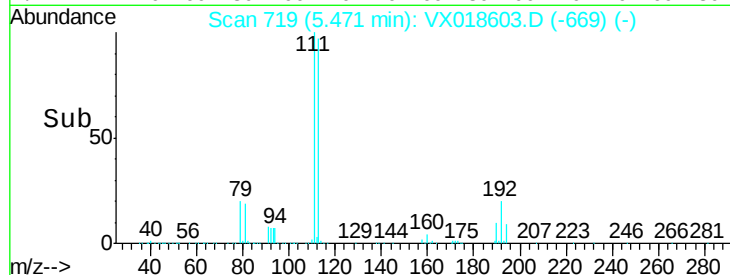
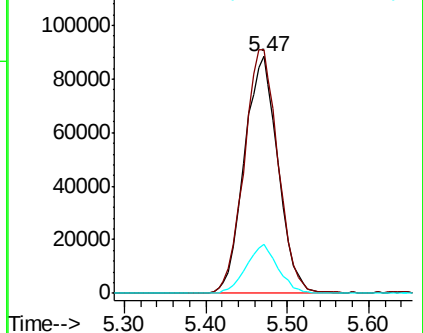
192 19.6 16.6 24.8



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: 5.244 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

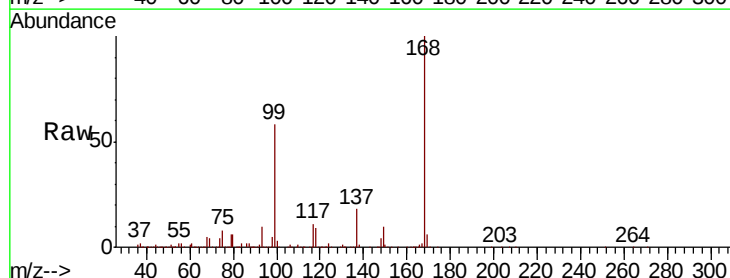
Tgt Ion: 75 Resp: 37760

Ion Ratio Lower Upper

75 100

110 5.1 17.6 52.8#

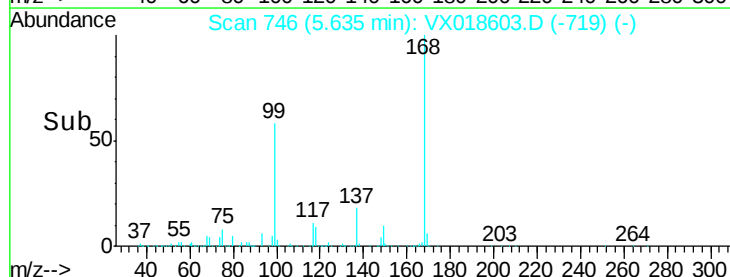
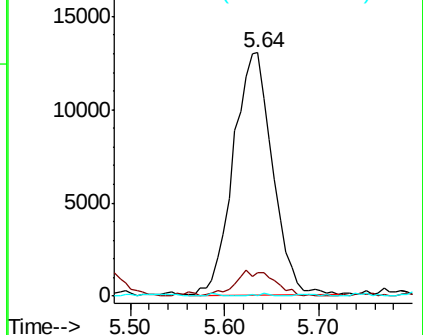
77 0.3 25.0 37.6#

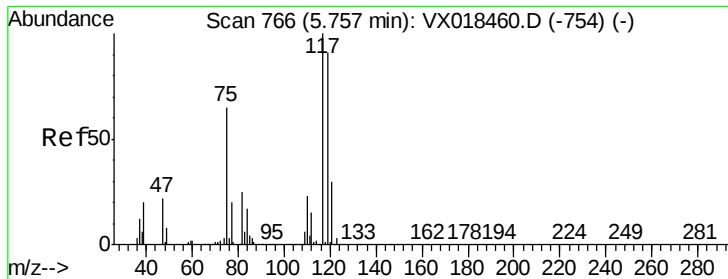


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.156 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

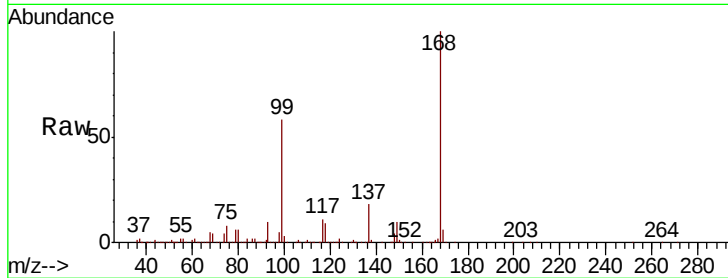
Tot Ion:117 Resp: 49096

Ion Ratio Lower Upper

117 100

119 4.7 72.3 108.5#

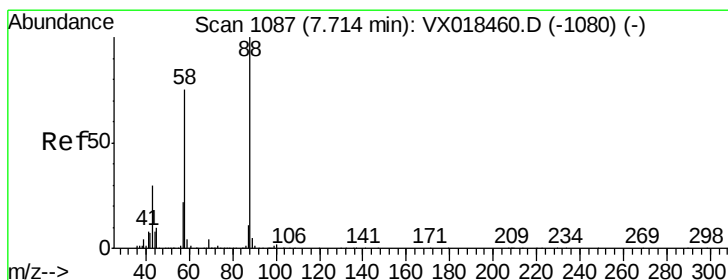
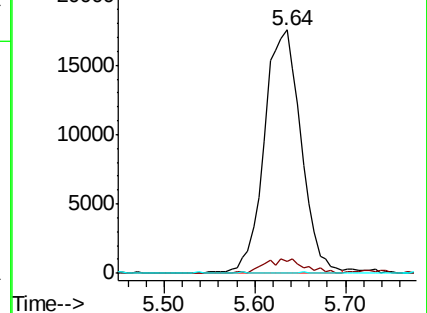
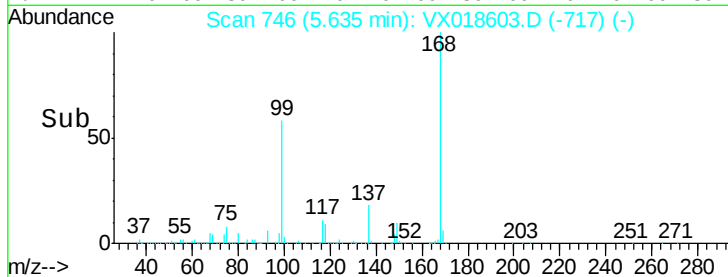
121 0.4 23.8 35.8#



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: 1.998 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

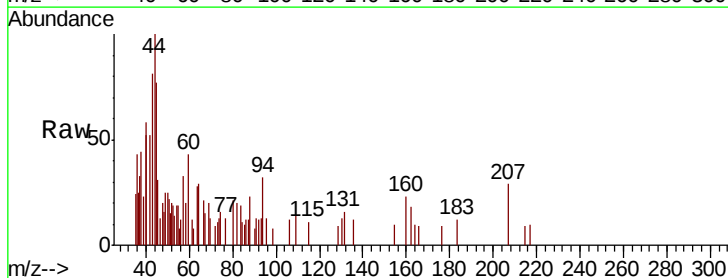
Tgt Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 100.0 29.9 44.9#

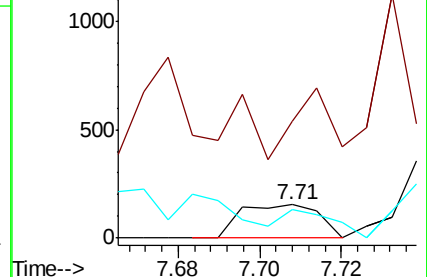
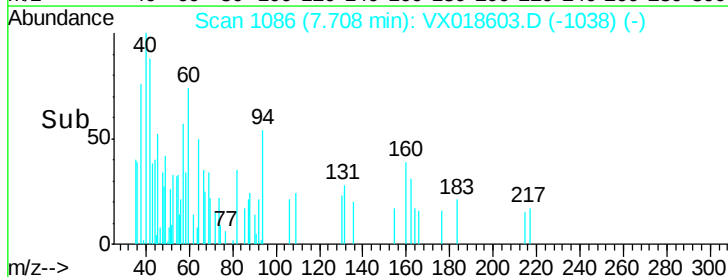
58 56.6 59.0 88.6#

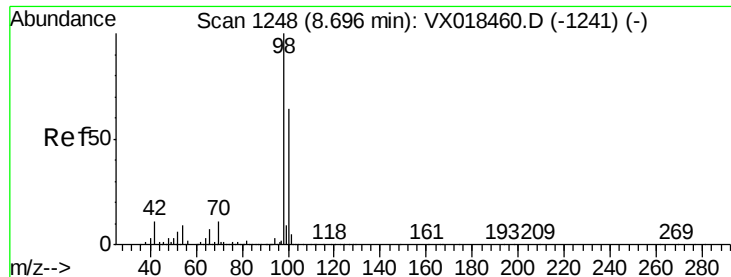


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.296 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

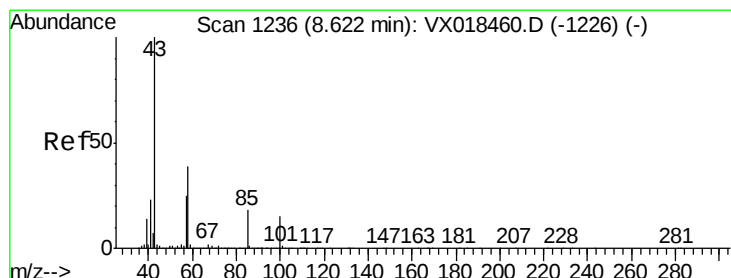
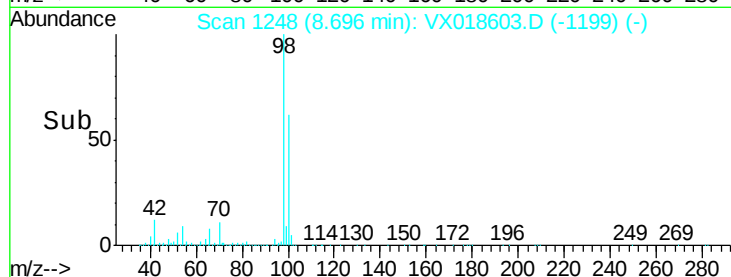
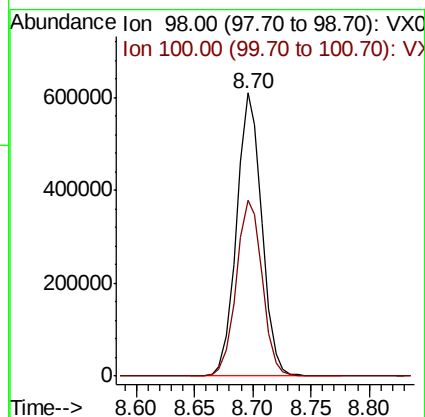
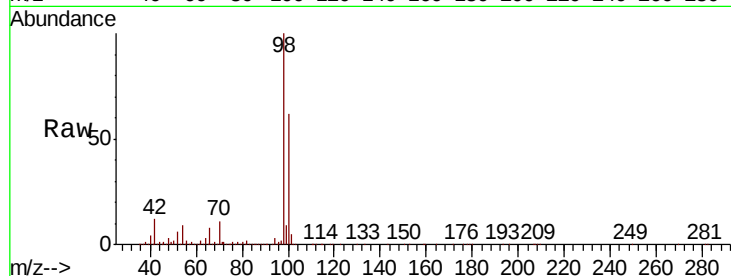
TRIP-BLANK

Tot Ion: 98 Resp: 918601

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.634 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018603.D

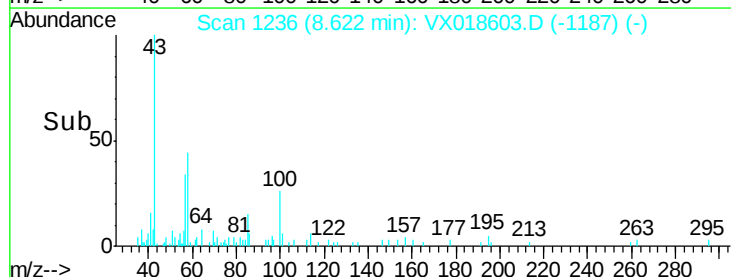
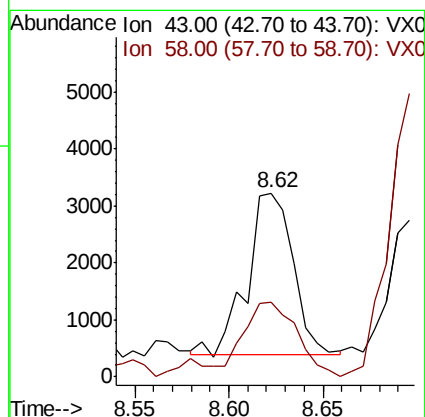
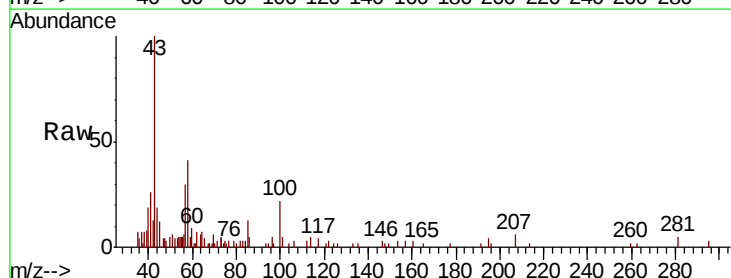
Acq: 25 Sep 2020 18:09

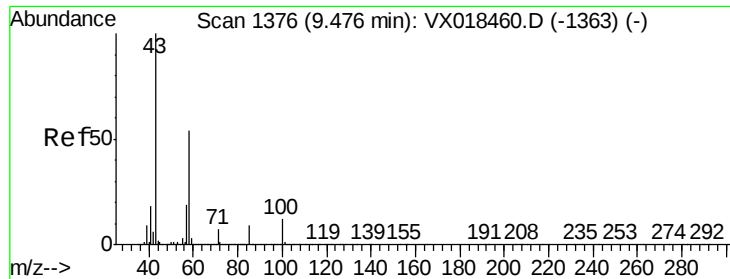
Tgt Ion: 43 Resp: 4814

Ion Ratio Lower Upper

43 100

58 55.6 30.9 46.3#

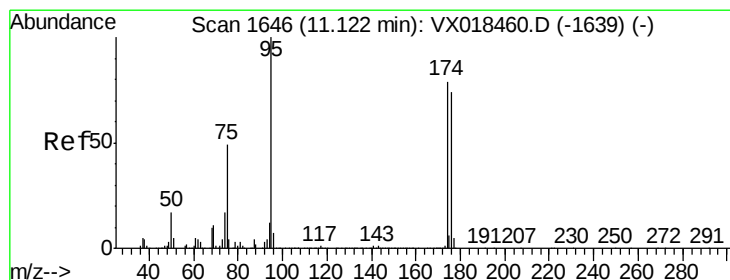
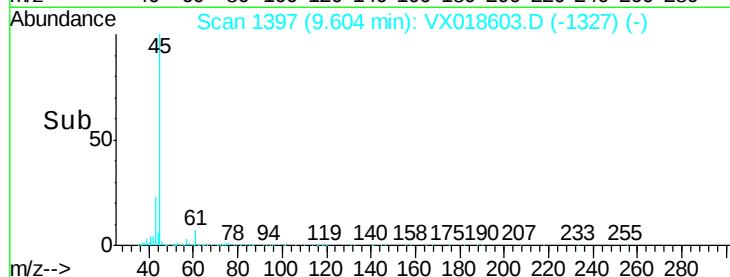
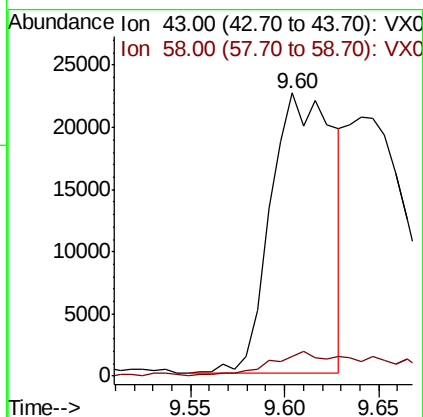
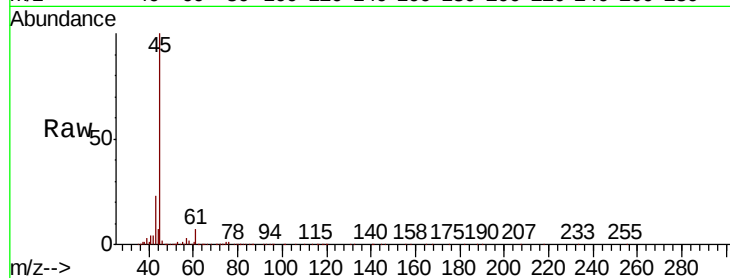




#59
2-Hexanone
Concen: 9.040 ug/l
RT: 9.60 min Scan# 1397
Delta R.T. 0.13 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

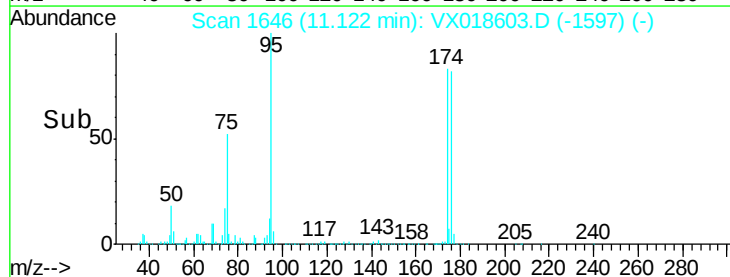
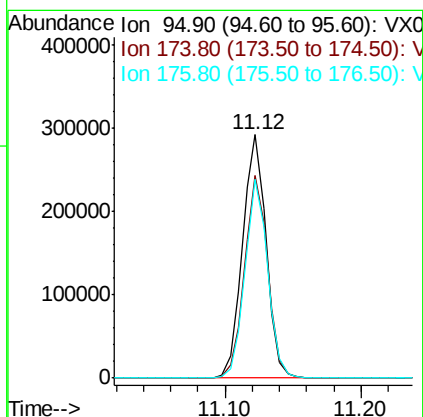
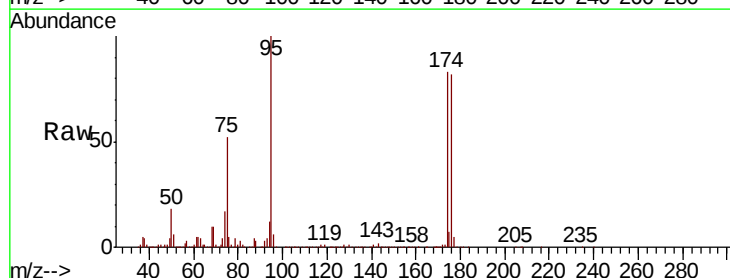
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

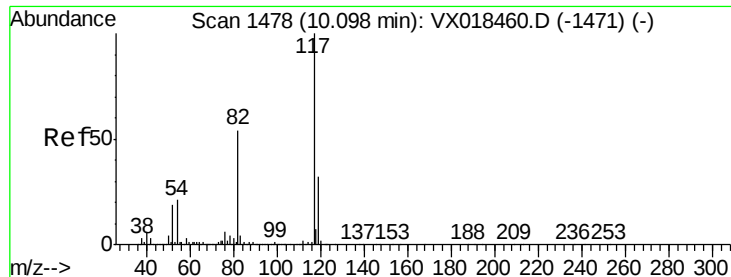
Tot Ion: 43 Resp: 52240
Ion Ratio Lower Upper
43 100
58 6.9 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 47.635 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

Tgt Ion: 95 Resp: 353085
Ion Ratio Lower Upper
95 100
174 81.7 0.0 161.4
176 78.6 0.0 151.4

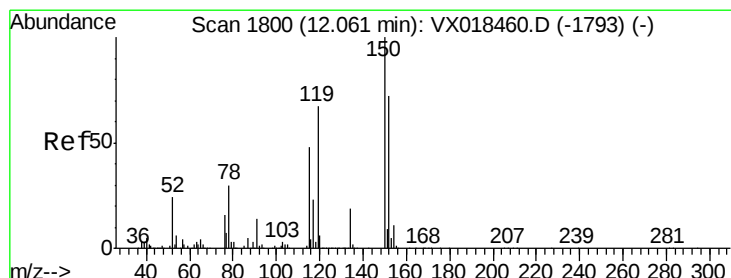
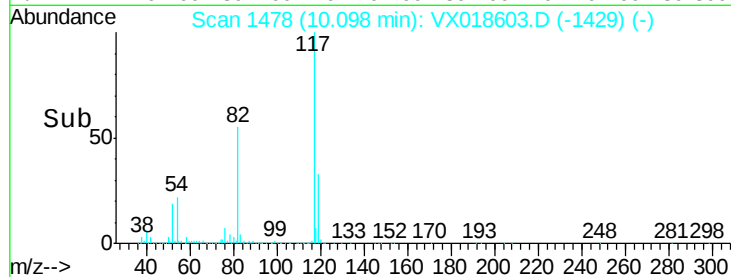
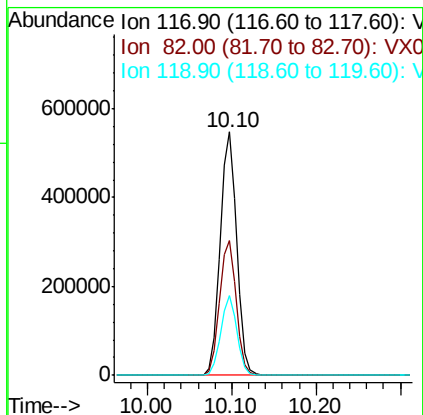
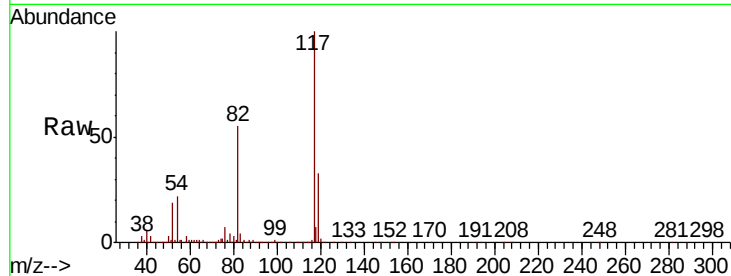




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

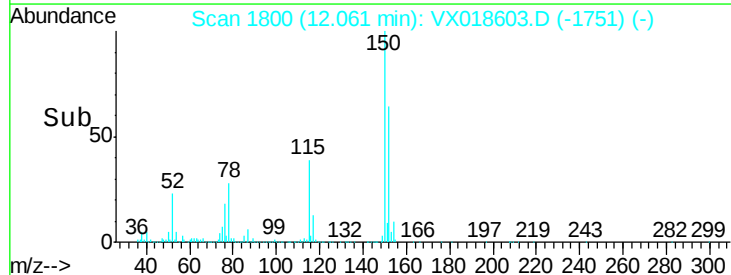
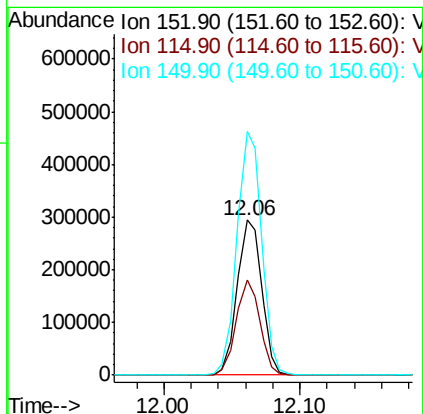
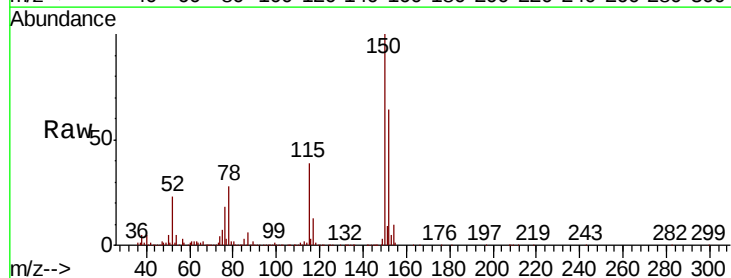
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

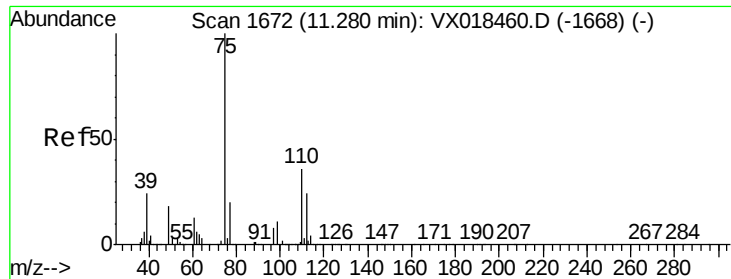
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.3	64.9
119	32.5	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018603.D
Acq: 25 Sep 2020 18:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	41.8	125.4
150	156.7	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 23.535 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampled :

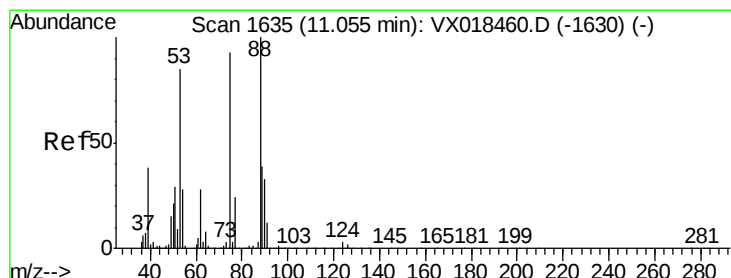
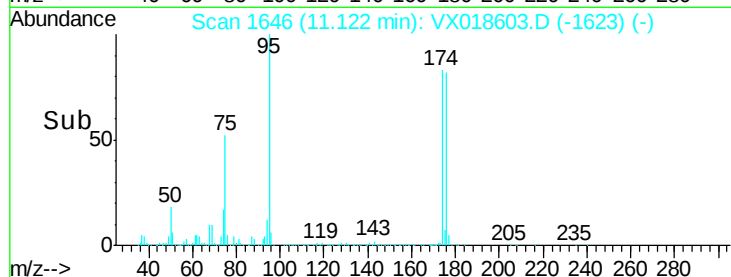
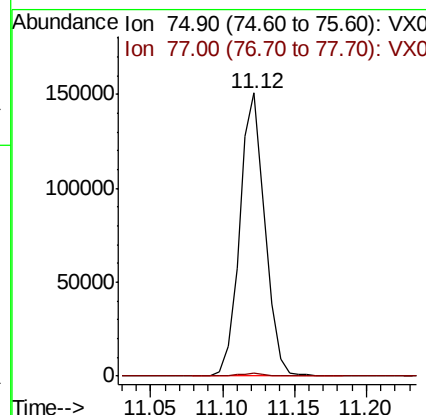
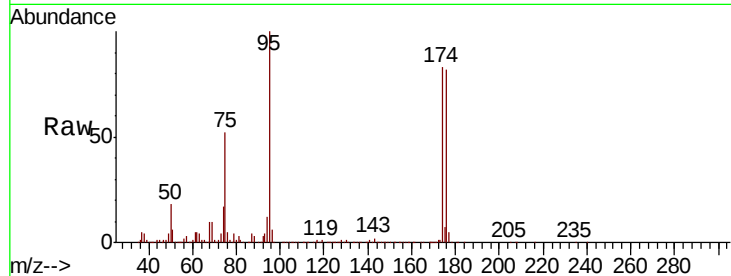
TRIP-BLANK

Tot Ion: 75 Resp: 183564

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.307 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018603.D

Acq: 25 Sep 2020 18:09

Tgt Ion: 75 Resp: 183564

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.0 36.2 54.4#

