

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091720\
 Data File : VX018474.D
 Acq On : 17 Sep 2020 18:17
 Operator : JC/SP
 Sample : L4058-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 18 06:34:23 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	519572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	822343	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	775120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	385511	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	348710	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	5.46	113	278591	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.70	98	1008302	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.12	95	380193	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

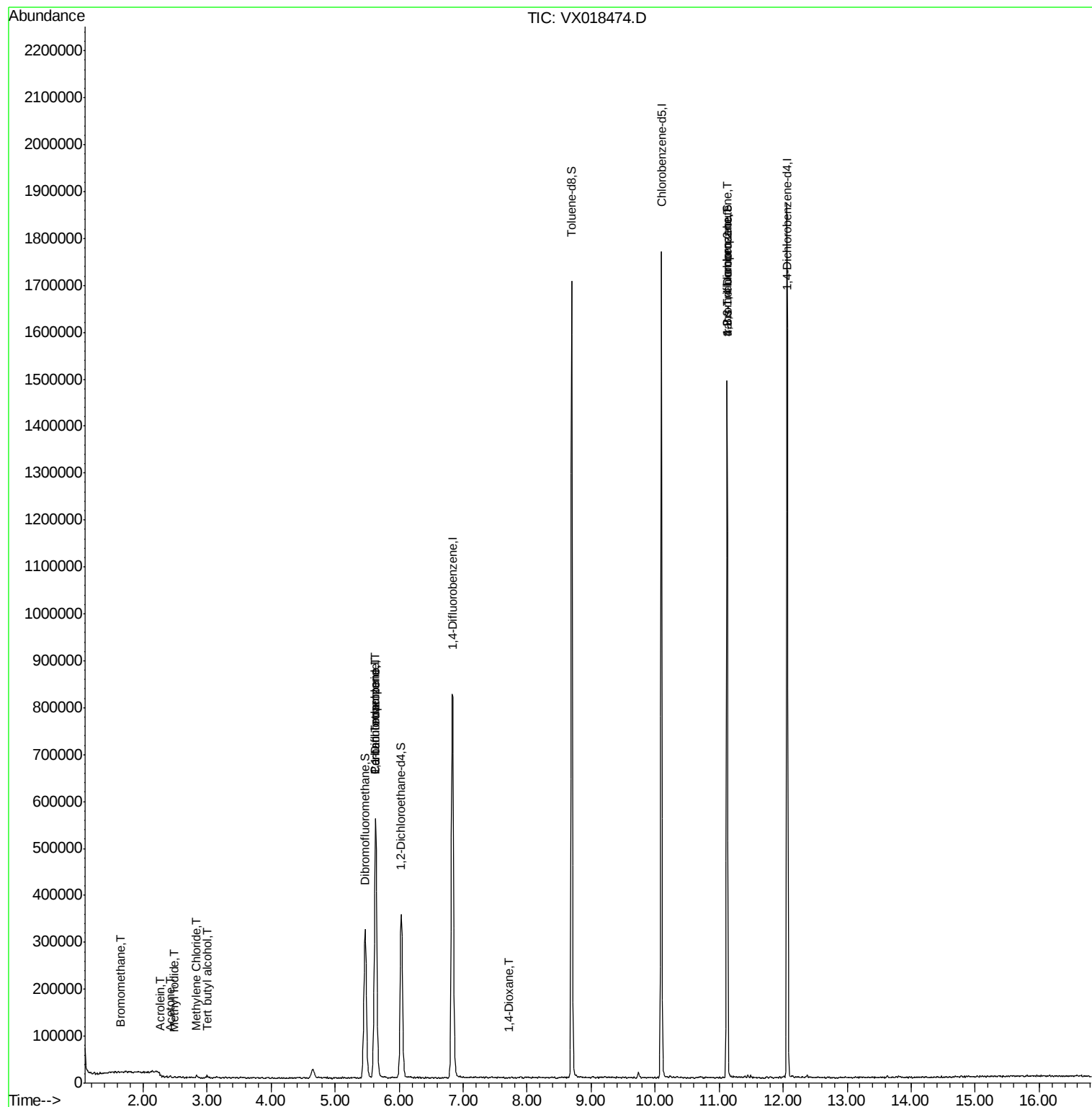
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	877	0.234	ug/l #	69
10) Methyl Iodide	2.50	142	335	4.963	ug/l #	74
11) Tert butyl alcohol	3.00	59	1295	1.013	ug/l #	83
13) Acrolein	2.28	56	411	0.508	ug/l #	51
16) Acetone	2.42	43	2146	0.763	ug/l #	66
20) Methylene Chloride	2.84	84	2337	0.377	ug/l	97
36) 1,1-Dichloropropene	5.62	75	40723	5.102	ug/l #	51
38) Carbon Tetrachloride	5.64	117	52444	5.933	ug/l #	19
49) 1,4-Dioxane	7.71	88	75	0.659	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	193038	23.828	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	193038	61.059	ug/l #	12

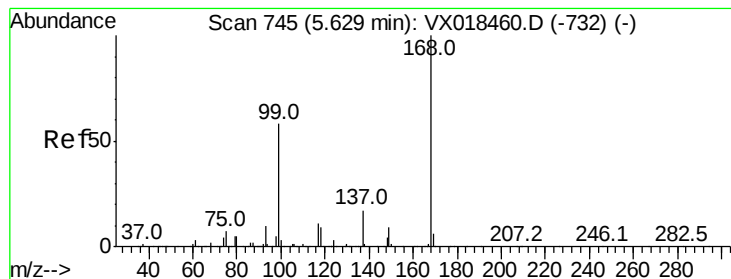
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091720\
Data File : VX018474.D
Acq On : 17 Sep 2020 18:17
Operator : JC/SP
Sample : L4058-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Sep 18 06:34:23 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: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

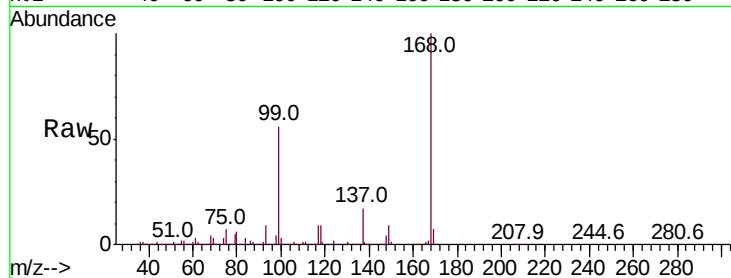
TRIP-BLANK

Tot Ion:168 Resp: 519572

Ion Ratio Lower Upper

168 100

99 56.1 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

200000

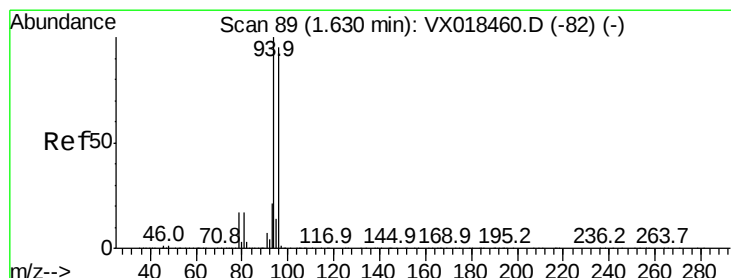
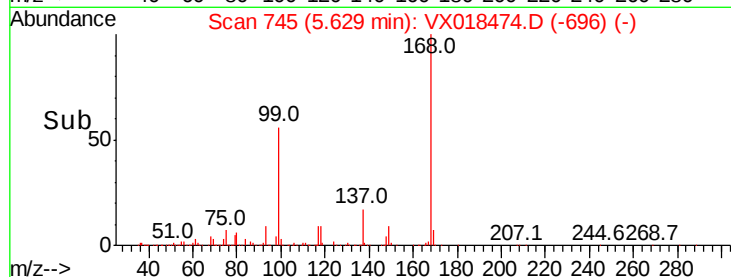
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.234 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018474.D

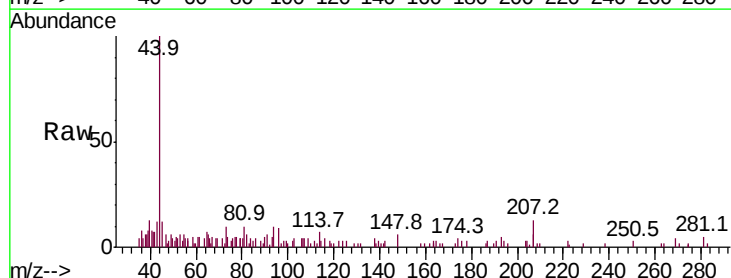
Acq: 17 Sep 2020 18:17

Tgt Ion: 94 Resp: 877

Ion Ratio Lower Upper

94 100

96 64.8 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

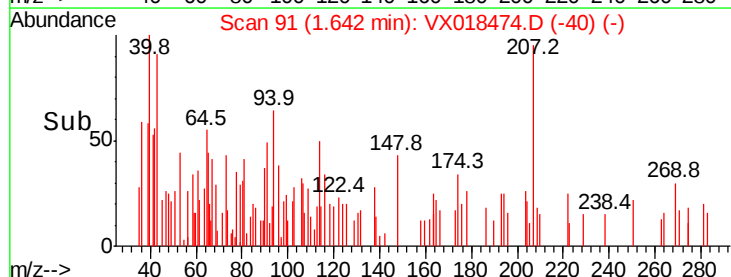
300

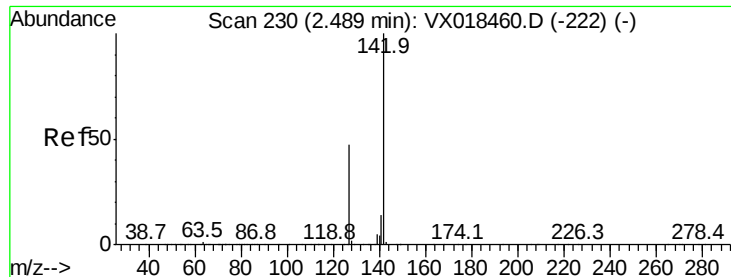
200

100

0

Time-->

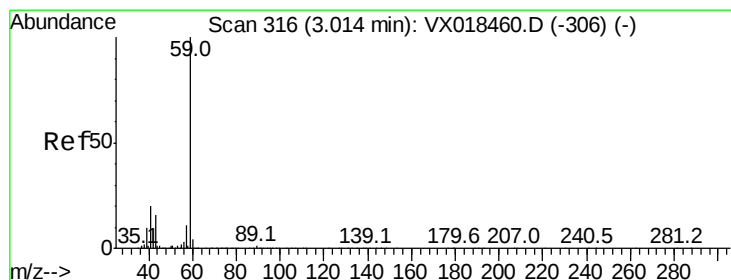
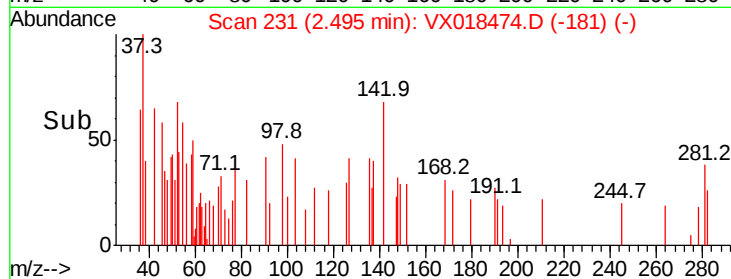
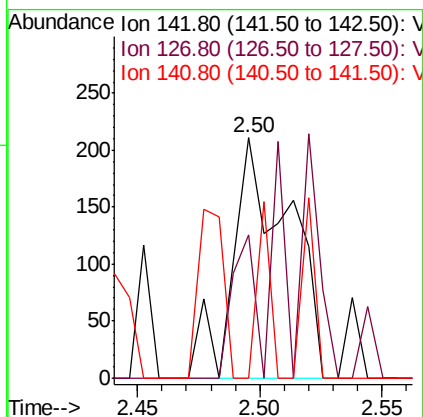
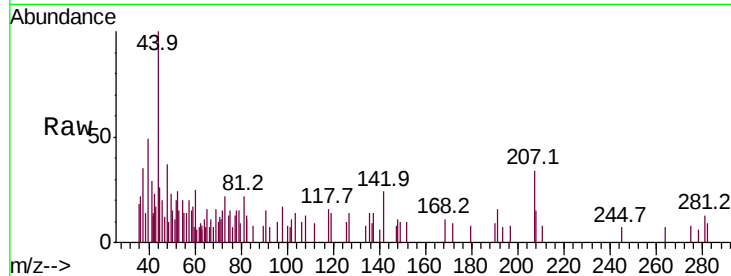




#10
Methyl Iodide
Concen: 4.963 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018474.D
Acq: 17 Sep 2020 18:17

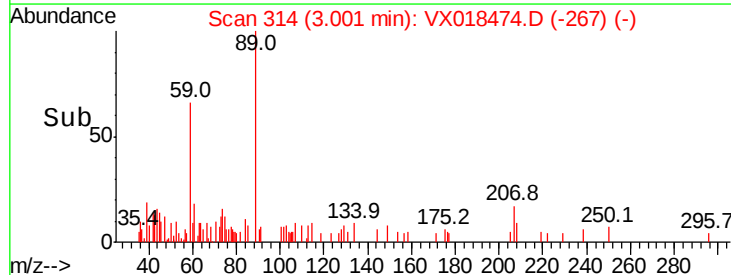
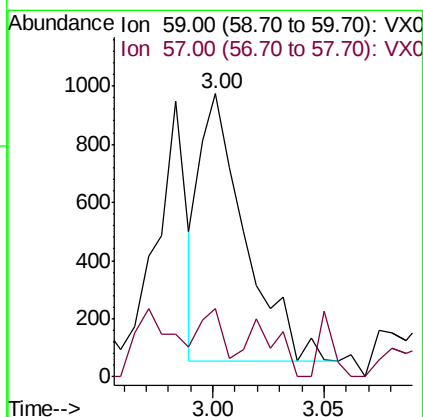
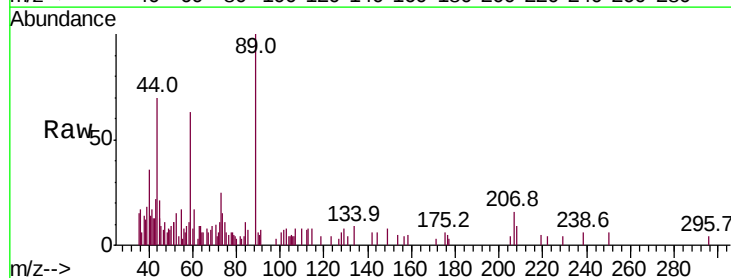
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

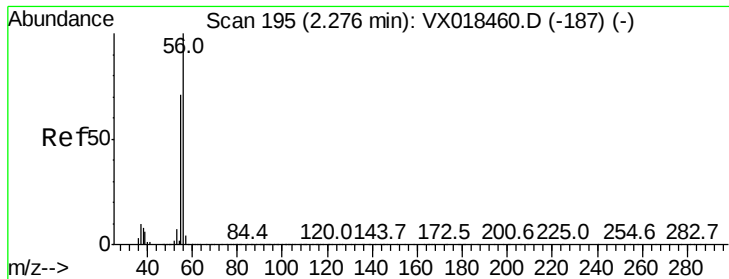
Tot Ion:142 Resp: 335
Ion Ratio Lower Upper
142 100
127 23.9 36.0 54.0#
141 17.0 11.9 17.9



#11
Tert butyl alcohol
Concen: 1.013 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX018474.D
Acq: 17 Sep 2020 18:17

Tgt Ion: 59 Resp: 1295
Ion Ratio Lower Upper
59 100
57 16.5 8.2 12.4#





#13

Acrolein

Concen: 0.508 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampled :

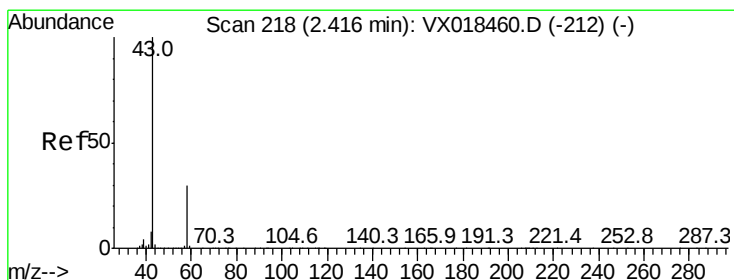
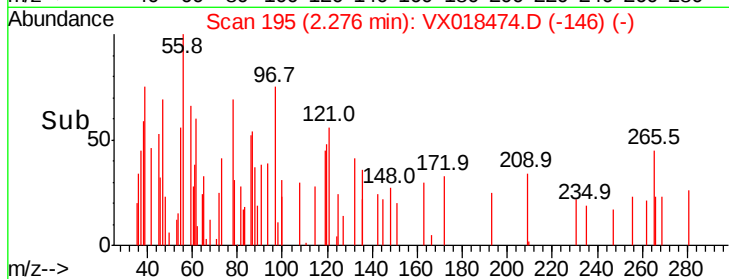
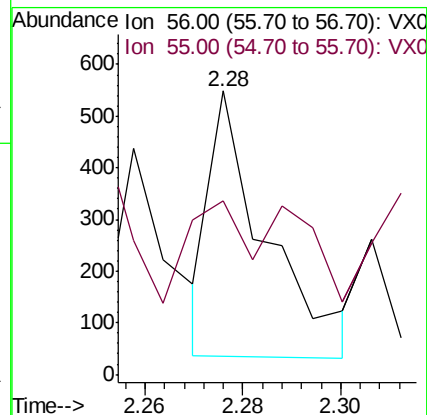
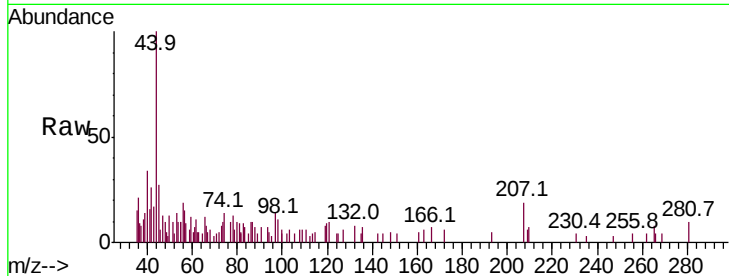
TRIP-BLANK

Tot Ion: 56 Resp: 411

Ion Ratio Lower Upper

56 100

55 114.1 58.2 87.4#



#16

Acetone

Concen: 0.763 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018474.D

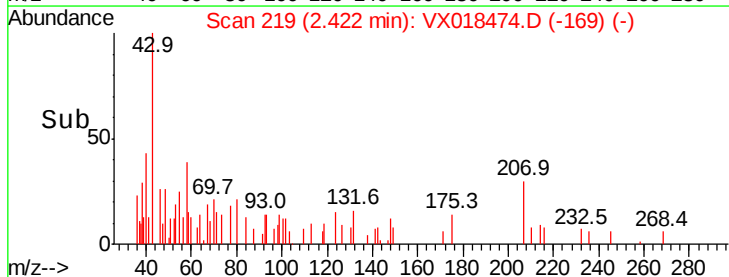
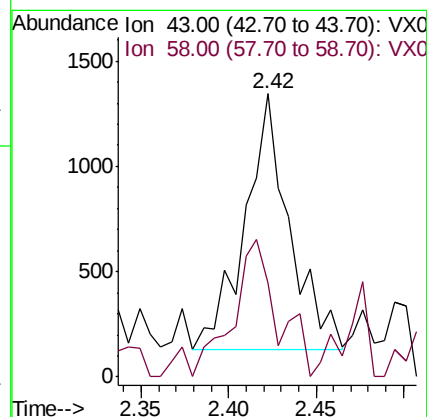
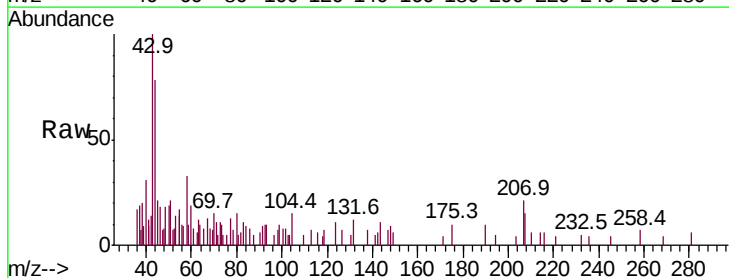
Acq: 17 Sep 2020 18:17

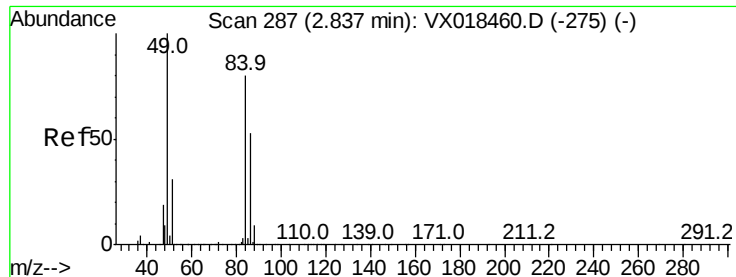
Tgt Ion: 43 Resp: 2146

Ion Ratio Lower Upper

43 100

58 48.2 24.0 36.0#

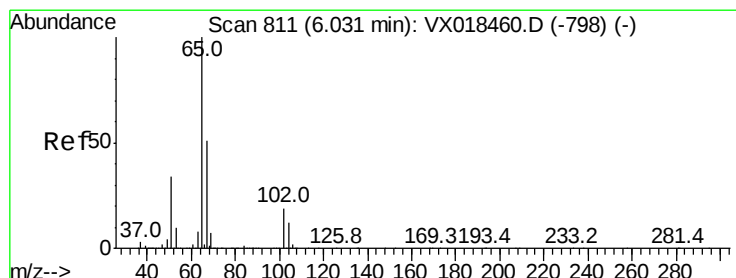
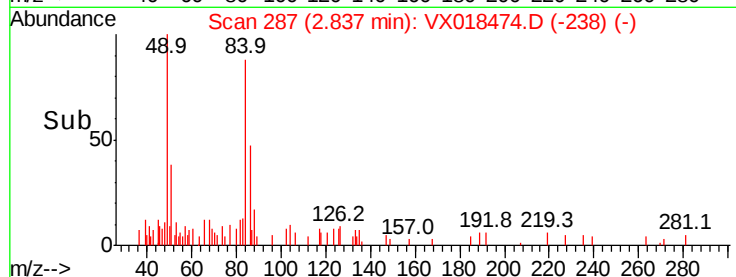
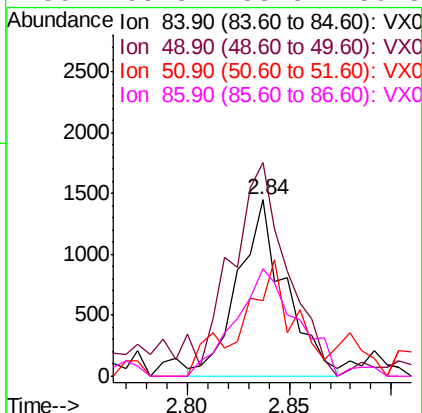
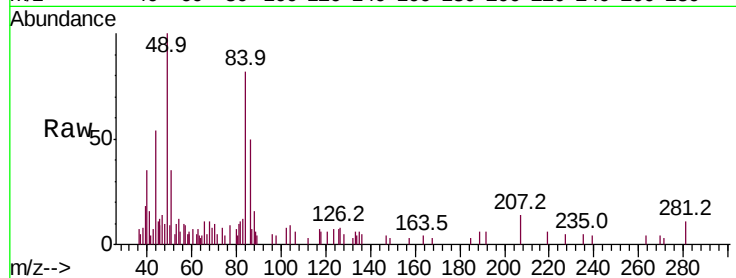




#20
Methvlene Chloride
Concen: 0.377 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018474.D
Acq: 17 Sep 2020 18:17

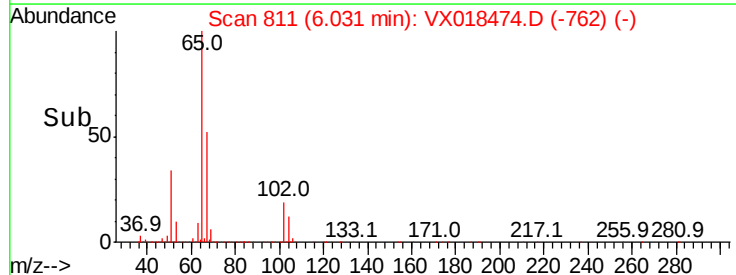
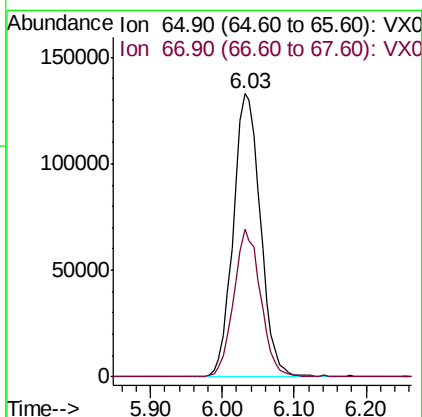
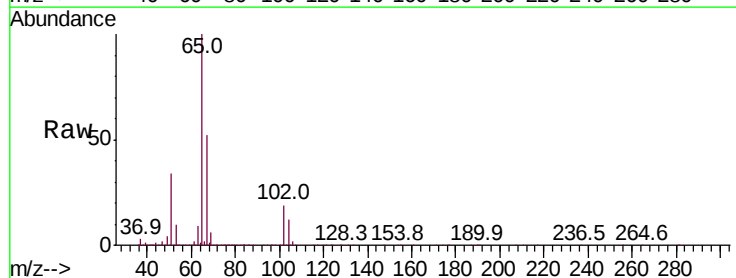
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

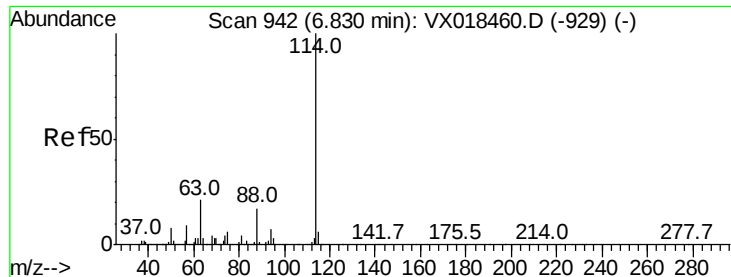
Tot Ion:	84	Resp:	2337
Ion	Ratio	Lower	Upper
84	100		
49	126.8	100.6	151.0
51	45.0	30.9	46.3
86	63.8	53.5	80.3



#33
1,2-Dichloroethane-d4
Concen: 47.443 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018474.D
Acq: 17 Sep 2020 18:17

Tgt Ion:	65	Resp:	348710
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

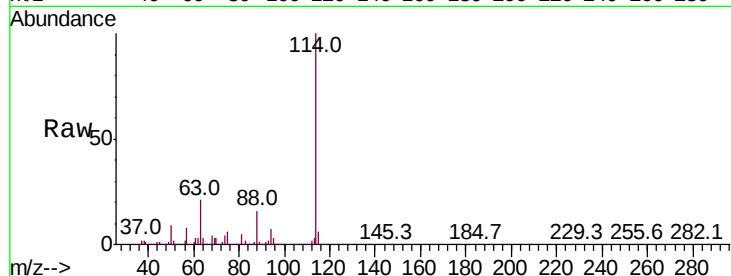
Tot Ion:114 Resp: 822343

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

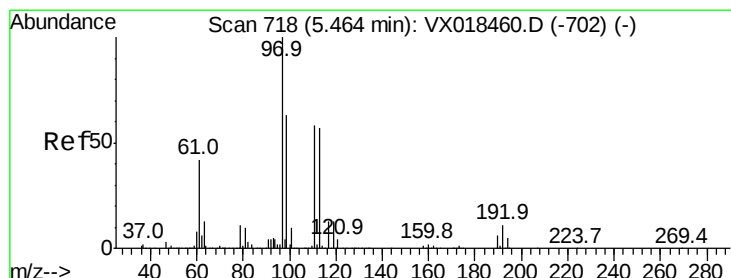
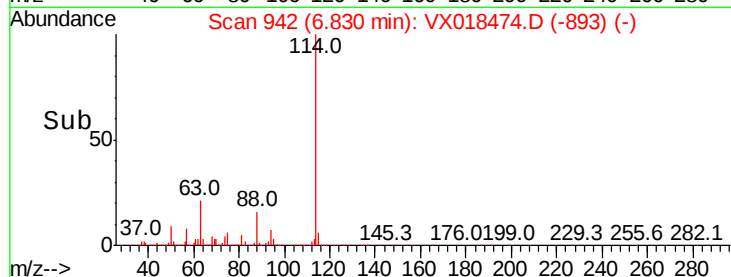
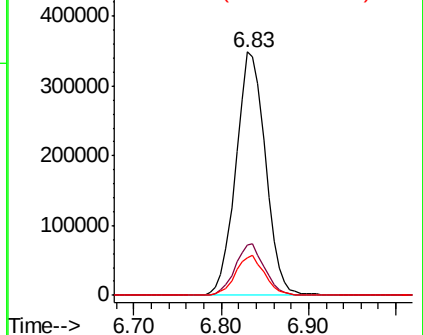
88 15.6 0.0 33.6



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: 49.005 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

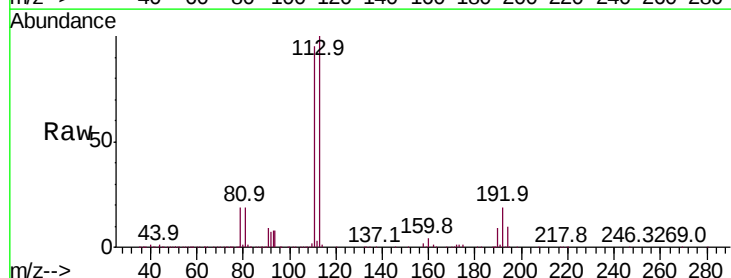
Tgt Ion:113 Resp: 278591

Ion Ratio Lower Upper

113 100

111 100.0 81.4 122.2

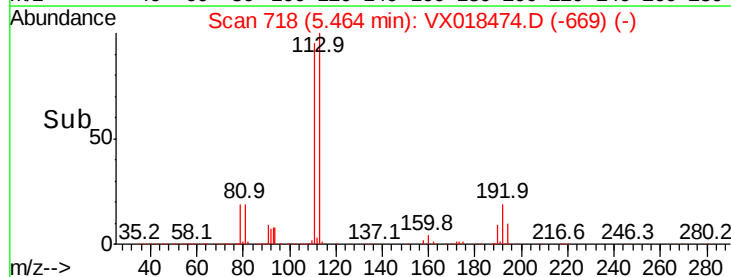
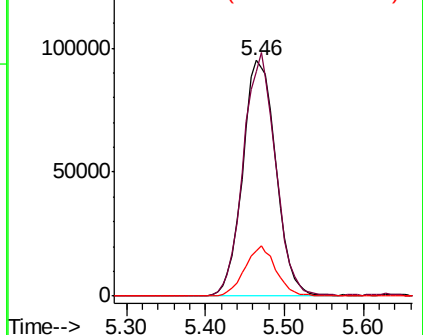
192 20.1 16.6 24.8

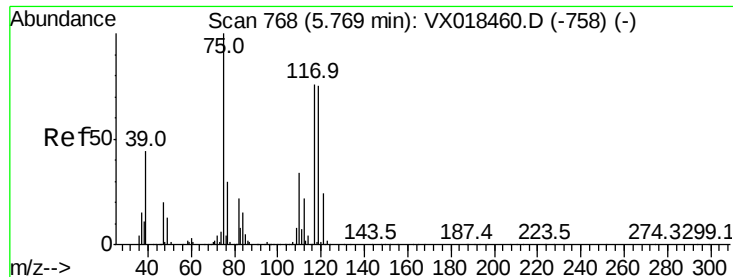


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

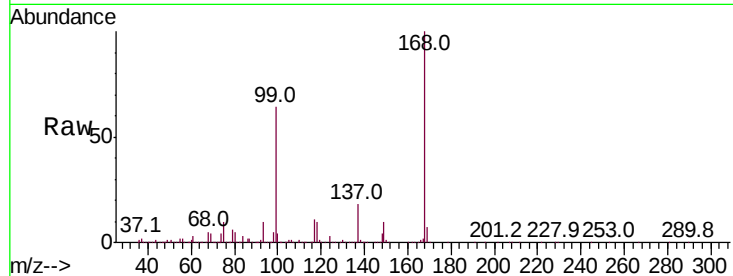
Tot Ion: 75 Resp: 40723

Ion Ratio Lower Upper

75 100

110 10.6 17.6 52.8#

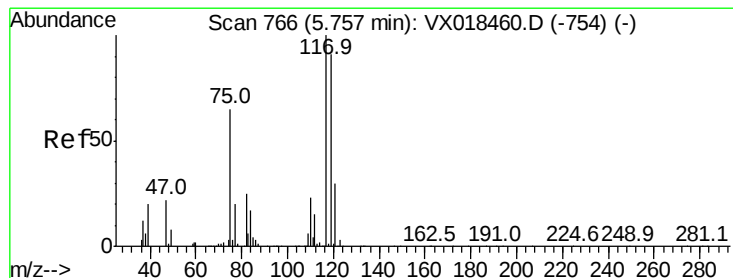
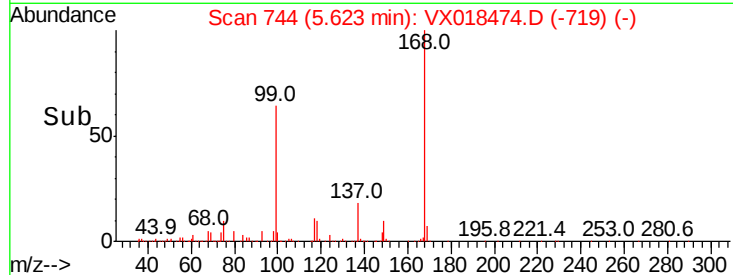
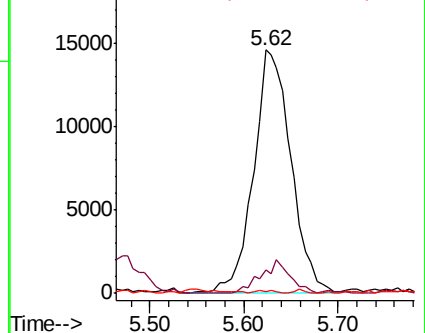
77 0.5 25.0 37.6#



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: 5.933 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

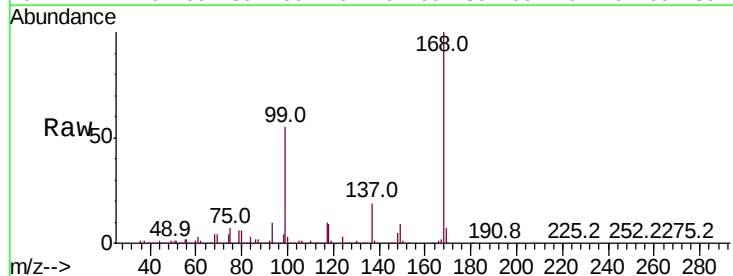
Tgt Ion: 117 Resp: 52444

Ion Ratio Lower Upper

117 100

119 5.3 72.3 108.5#

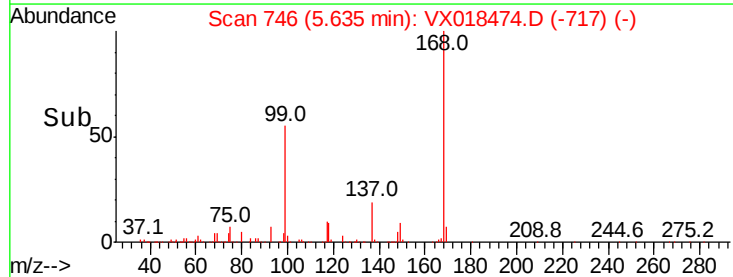
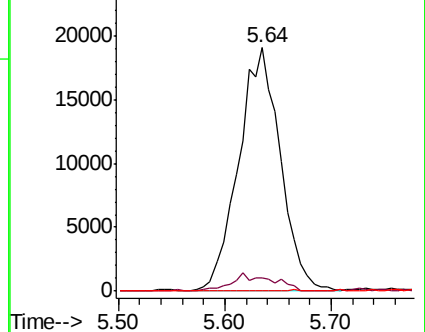
121 0.0 23.8 35.8#

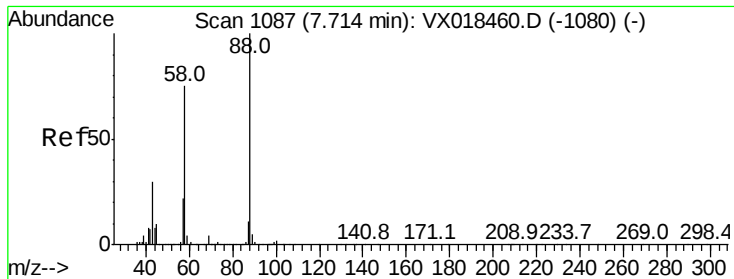


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.659 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

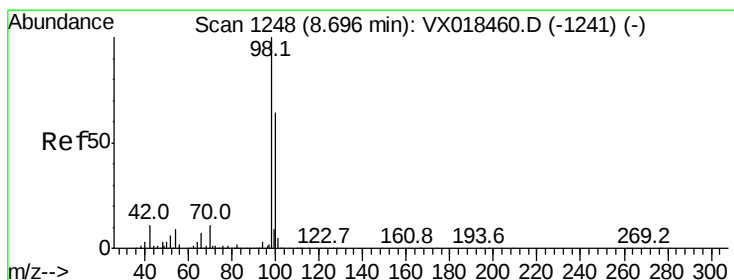
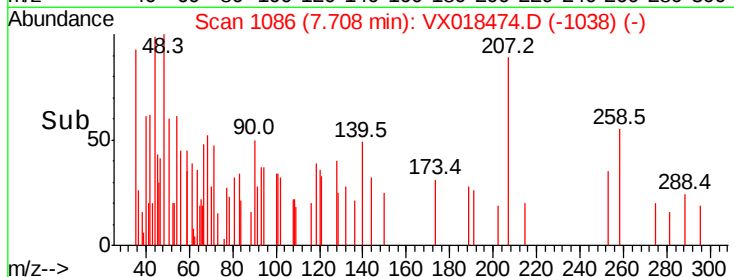
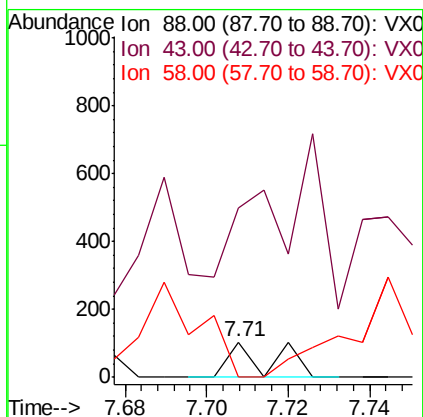
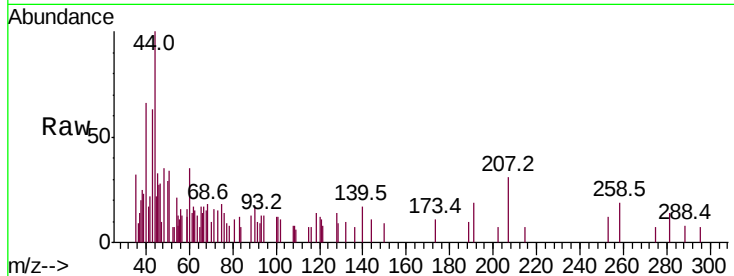
Tot Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 265.3 29.9 44.9#

58 0.0 59.0 88.6#



#50

Toluene-d8

Concen: 48.815 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018474.D

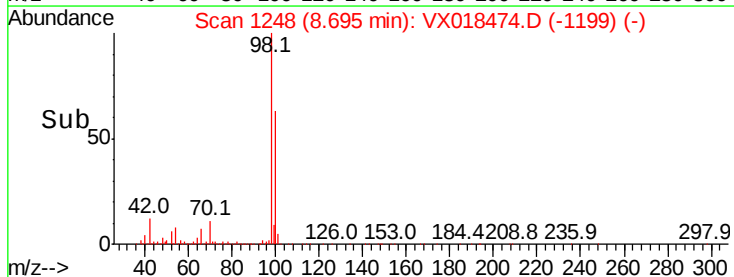
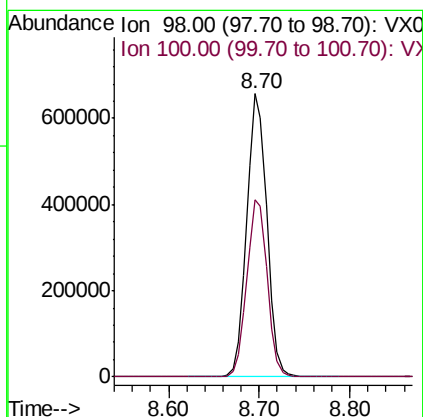
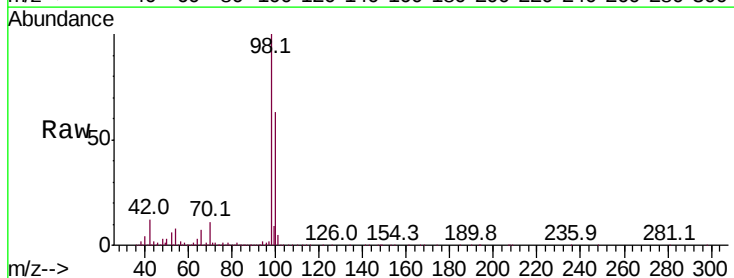
Acq: 17 Sep 2020 18:17

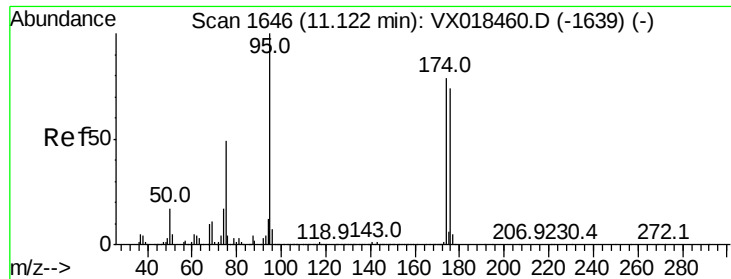
Tgt Ion: 98 Resp: 1008302

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 46.273 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

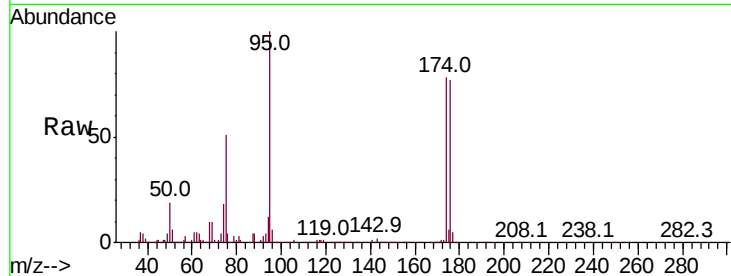
Tot Ion: 95 Resp: 380193

Ion Ratio Lower Upper

95 100

174 79.2 0.0 161.4

176 78.0 0.0 151.4



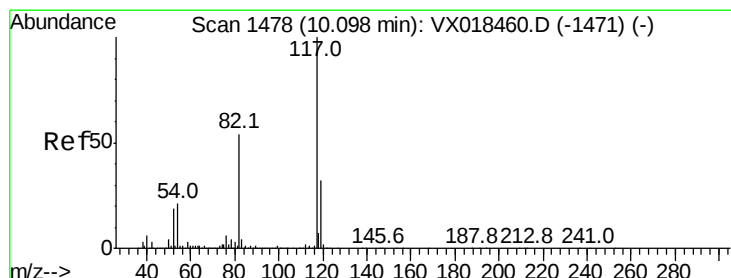
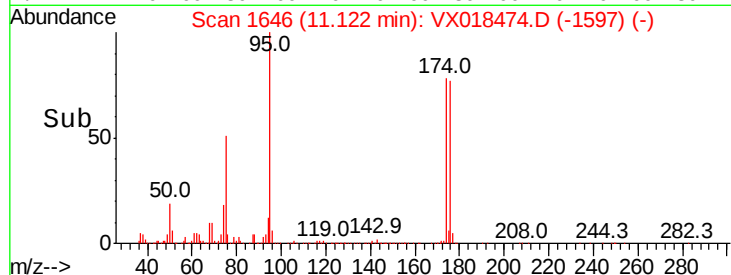
Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018460.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018460.D (-1639) (-)

Time-->

11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

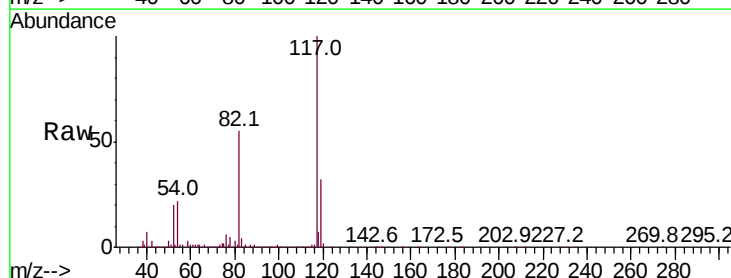
Tgt Ion: 117 Resp: 775120

Ion Ratio Lower Upper

117 100

82 55.4 43.3 64.9

119 32.0 25.9 38.9



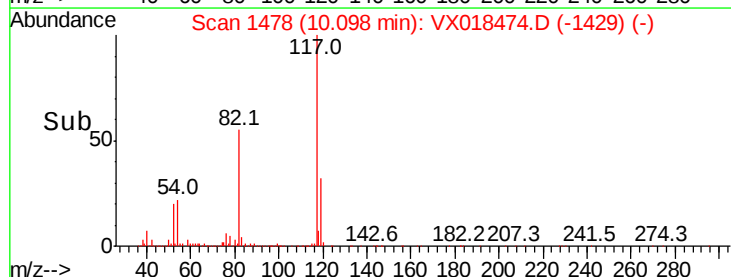
Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

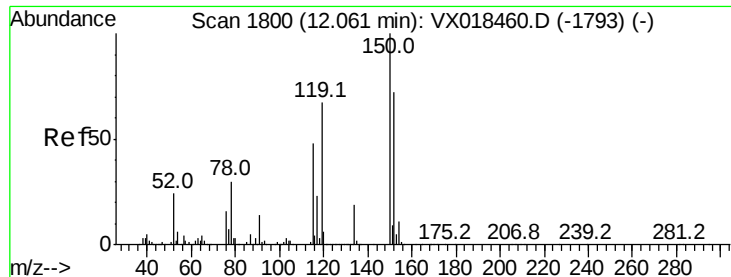
Ion 82.00 (81.70 to 82.70): VX018460.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX018460.D (-1471) (-)

Time-->

10.00 10.10 10.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

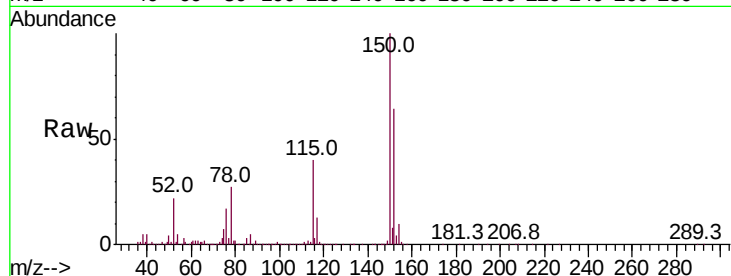
Tot Ion:152 Resp: 385511

Ion Ratio Lower Upper

152 100

115 59.3 41.8 125.4

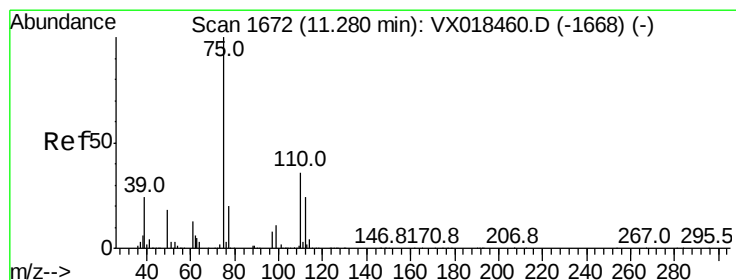
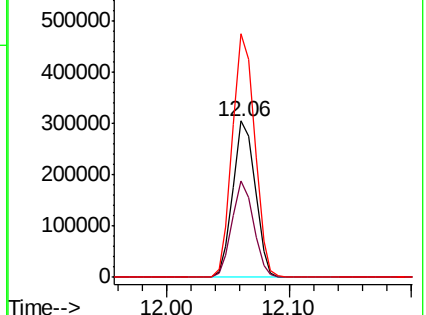
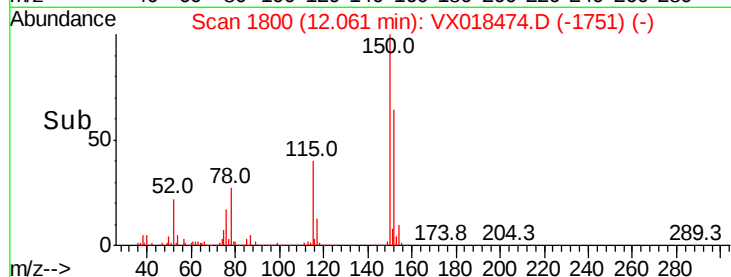
150 155.2 0.0 342.4



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: 23.828 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018474.D

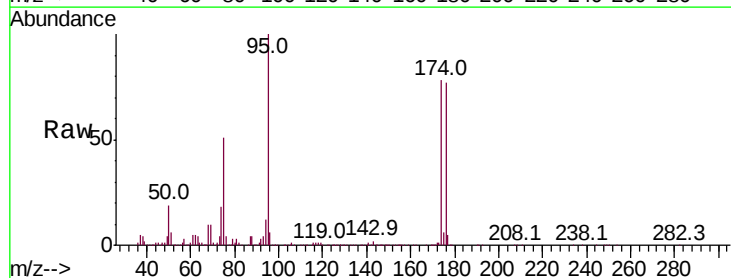
Acq: 17 Sep 2020 18:17

Tgt Ion: 75 Resp: 193038

Ion Ratio Lower Upper

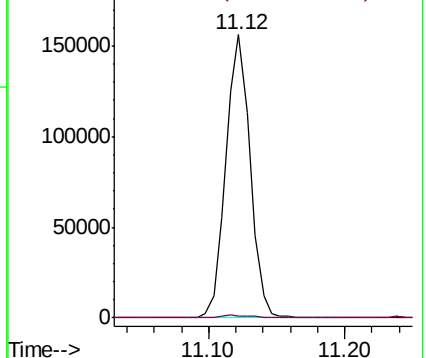
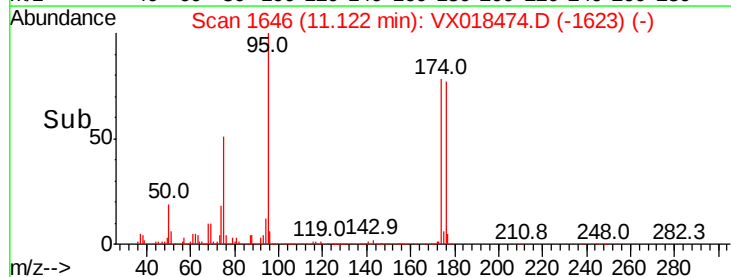
75 100

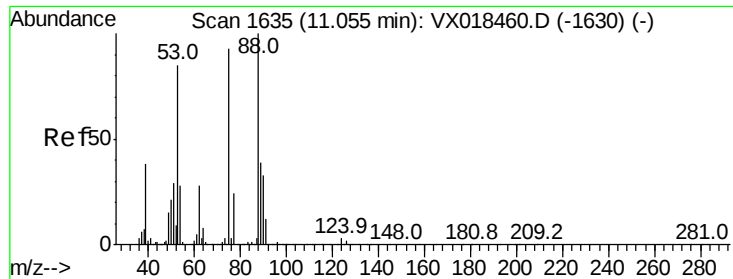
77 1.2 20.9 62.7#



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: 61.059 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018474.D

Acq: 17 Sep 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 193038

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.0 36.2 54.4#

