

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072420\
 Data File : VX017543.D
 Acq On : 24 Jul 2020 15:22
 Operator : JC/SP
 Sample : L3403-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 25 01:50:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	464748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	782914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	737890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	416142	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	319363	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	5.46	113	249301	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	8.70	98	902115	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	11.12	95	386229	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	

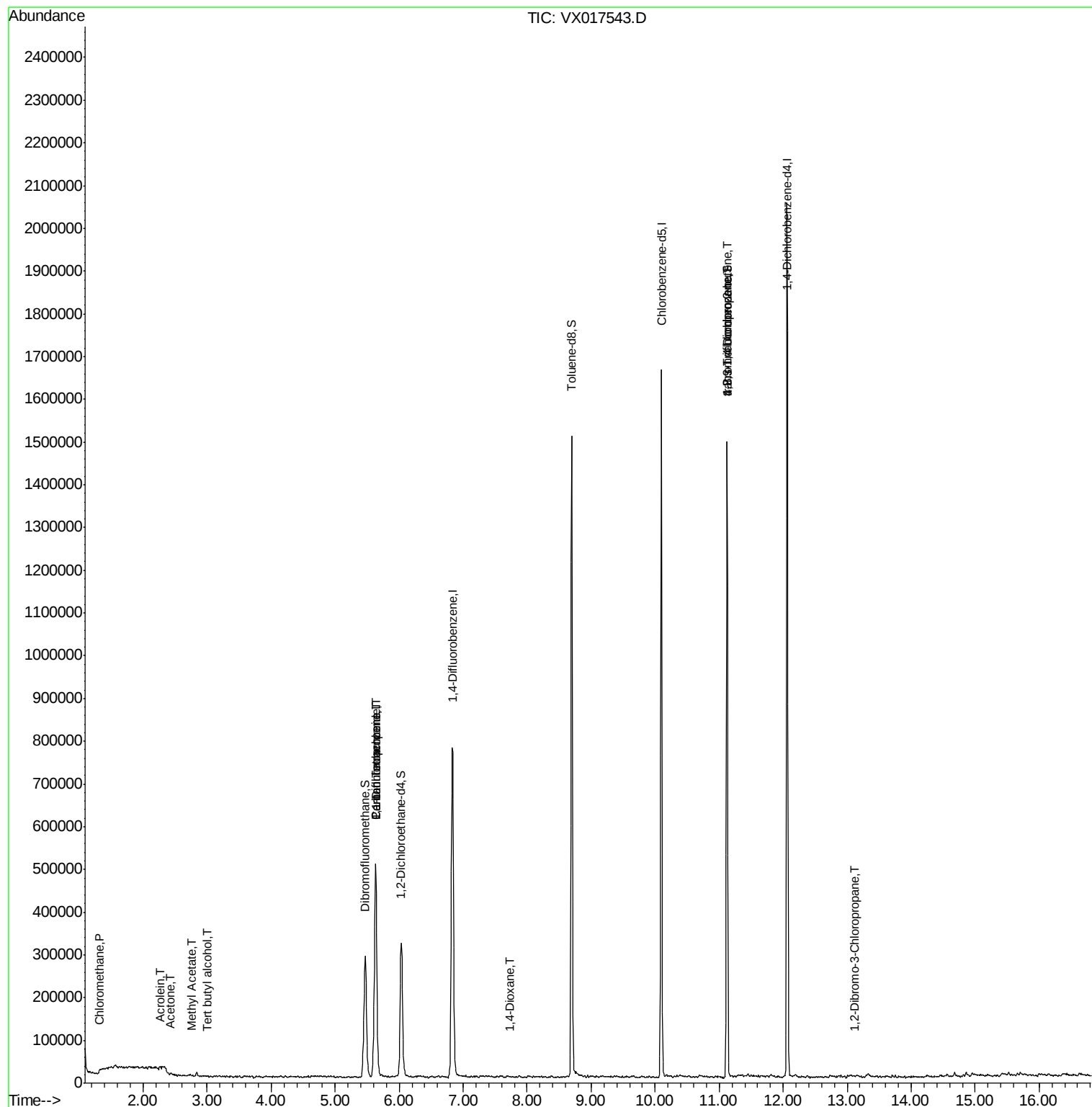
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	258	Below Cal	#	1
3) Chloromethane	1.31	50	1135	0.563	ug/l	89
5) Bromomethane	1.62	94	127	Below Cal	#	46
6) Chloroethane	1.69	64	383	Below Cal	#	52
8) Diethyl Ether	2.11	74	538	Below Cal		95
11) Tert butyl alcohol	3.00	59	301	0.239	ug/l #	1
13) Acrolein	2.27	56	304	4.460	ug/l #	14
16) Acetone	2.42	43	1620	0.617	ug/l #	50
18) Methyl Acetate	2.76	43	1318	0.213	ug/l #	74
20) Methylene Chloride	2.84	84	4628	Below Cal	#	72
36) 1,1-Dichloropropene	5.63	75	33494	4.461	ug/l #	47
38) Carbon Tetrachloride	5.63	117	47198	5.176	ug/l #	16
49) 1,4-Dioxane	7.74	88	100	0.776	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	193875	22.648	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	193875	57.069	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.12	75	110	2.618	ug/l	67

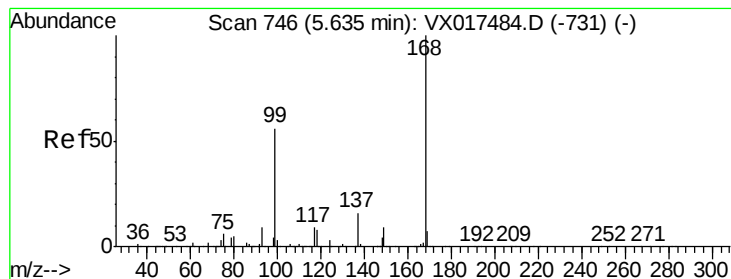
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

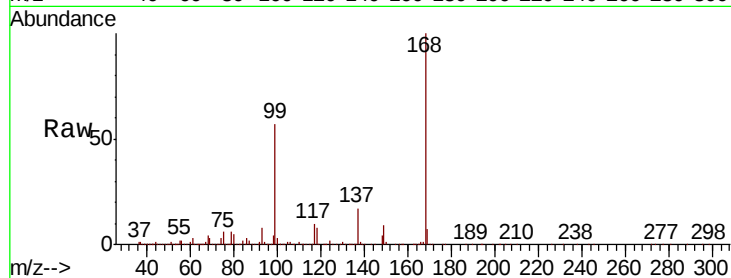
TRIP-BLANK

Tot Ion:168 Resp: 464748

Ion Ratio Lower Upper

168 100

99 56.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

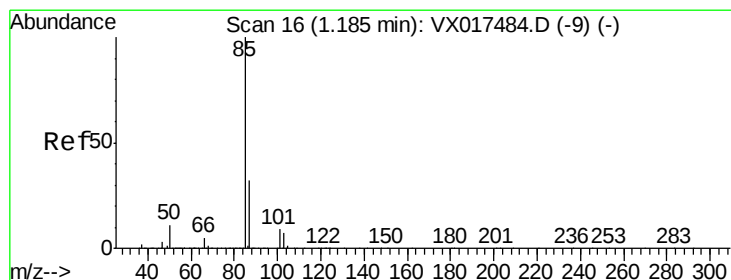
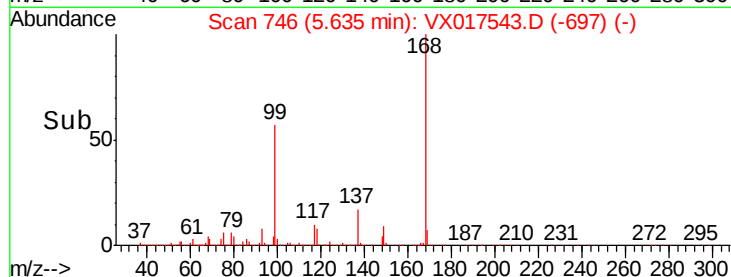
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 19

Delta R.T. 0.02 min

Lab File: VX017543.D

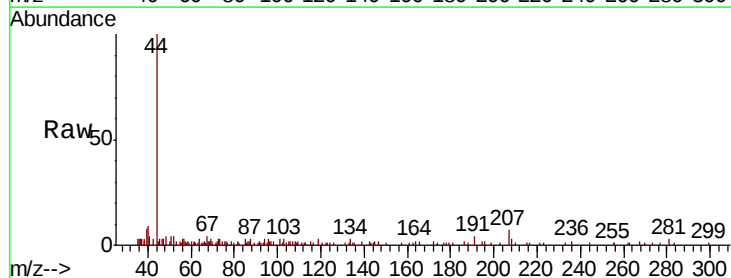
Acq: 24 Jul 2020 15:22

Tgt Ion: 85 Resp: 258

Ion Ratio Lower Upper

85 100

87 225.5 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

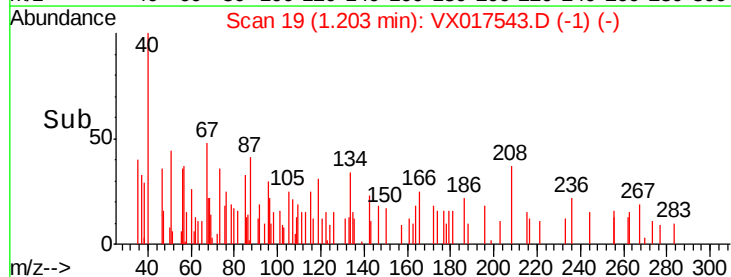
300

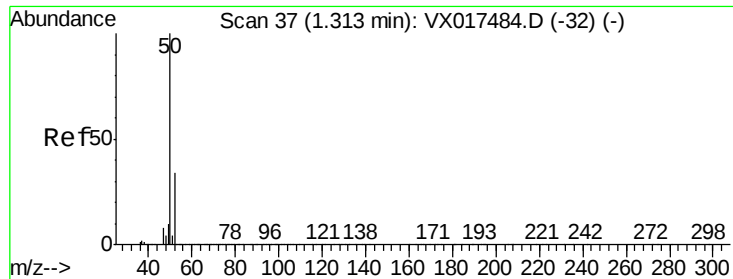
200

100

0

Time-->





#3

Chloromethane

Concen: 0.563 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

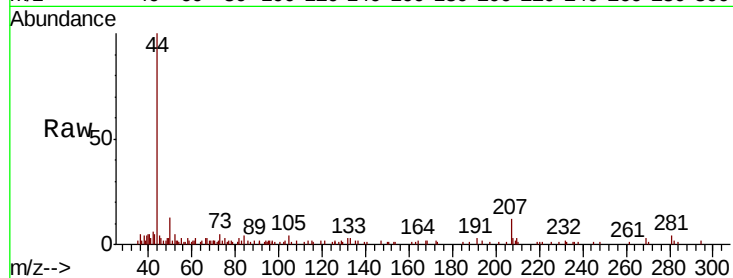
TRIP-BLANK

Tot Ion: 50 Resp: 1135

Ion Ratio Lower Upper

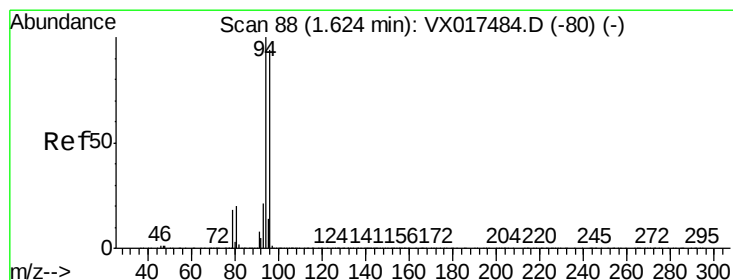
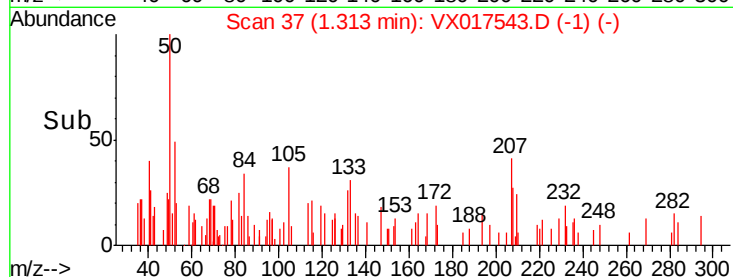
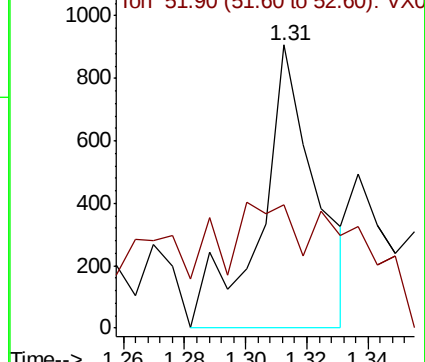
50 100

52 26.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX017543.D

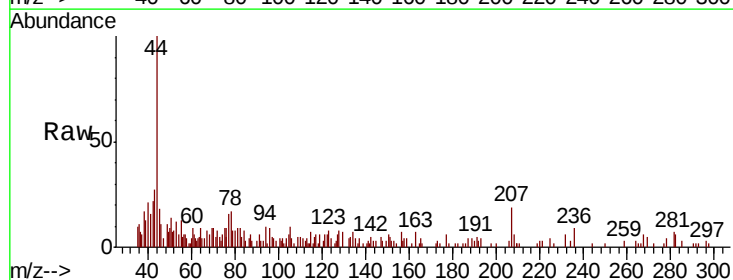
Acq: 24 Jul 2020 15:22

Tgt Ion: 94 Resp: 127

Ion Ratio Lower Upper

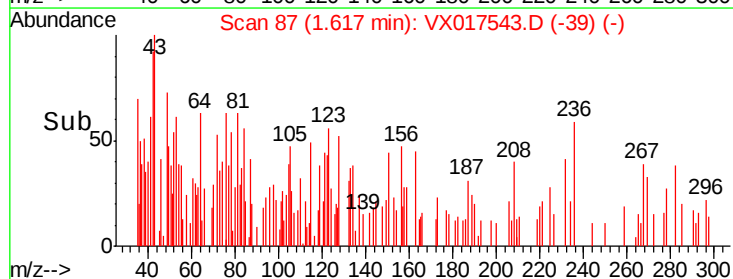
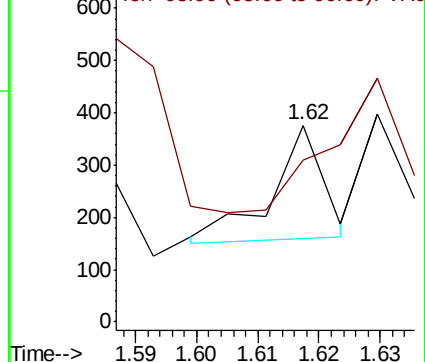
94 100

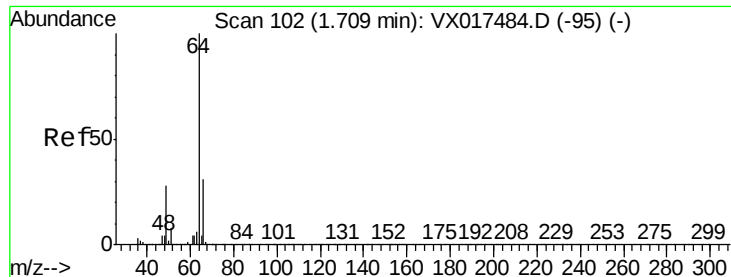
96 40.7 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampled :

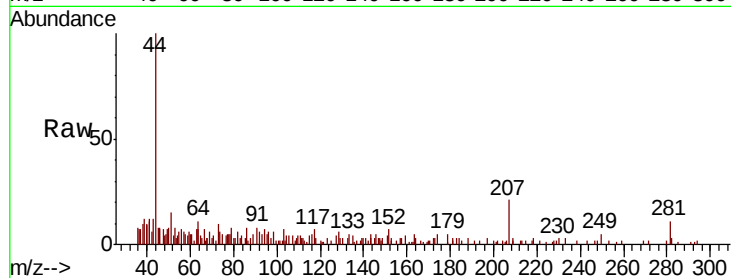
TRIP-BLANK

Tot Ion: 64 Resp: 383

Ion Ratio Lower Upper

64 100

66 57.5 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

400

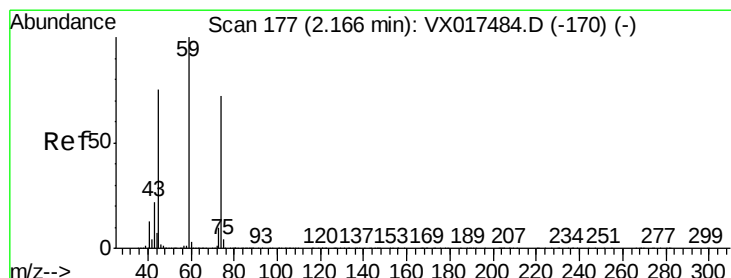
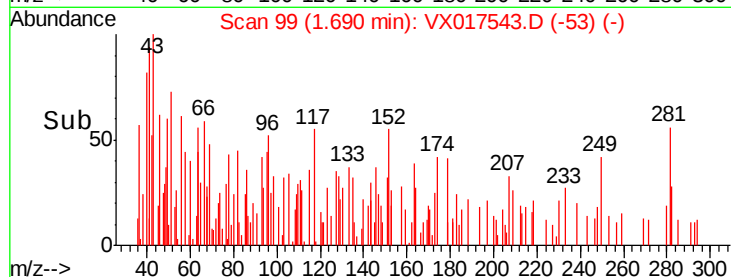
300

200

100

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.11 min Scan# 168

Delta R.T. -0.05 min

Lab File: VX017543.D

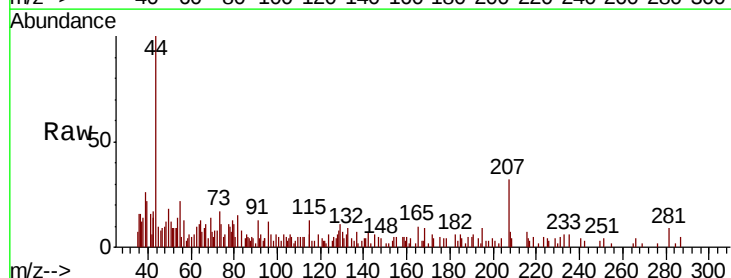
Acq: 24 Jul 2020 15:22

Tgt Ion: 74 Resp: 538

Ion Ratio Lower Upper

74 100

45 96.3 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

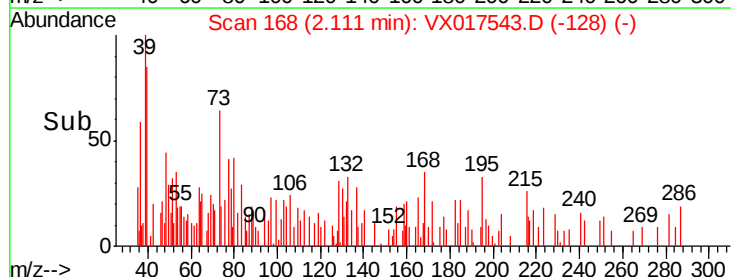
600

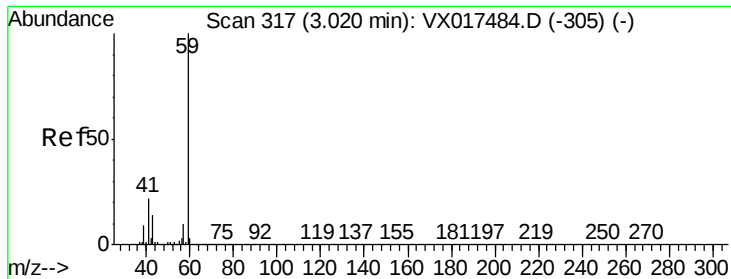
400

200

0

Time-->

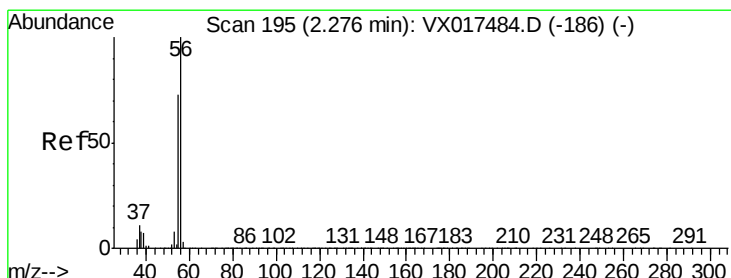
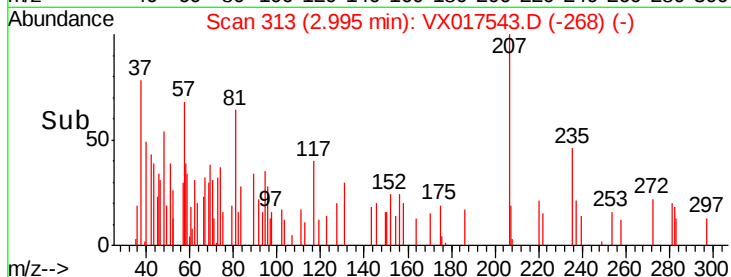
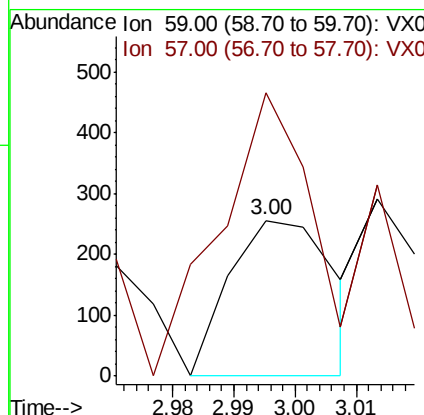
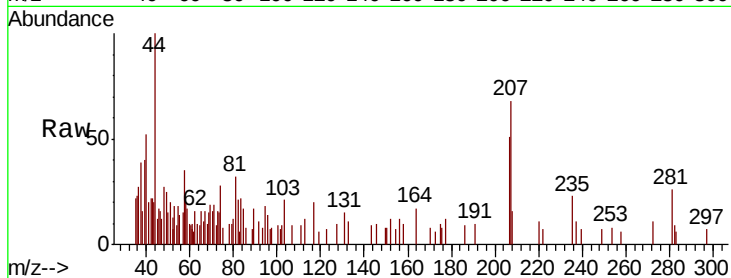




#11
Tert butyl alcohol
Concen: 0.239 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

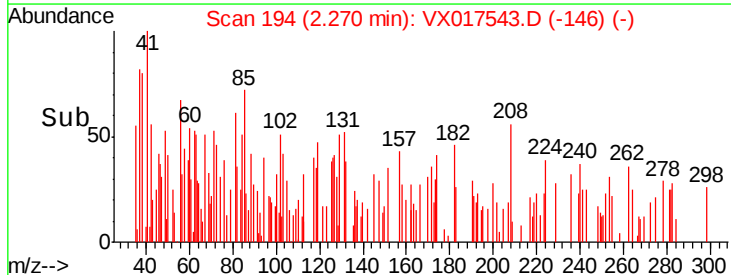
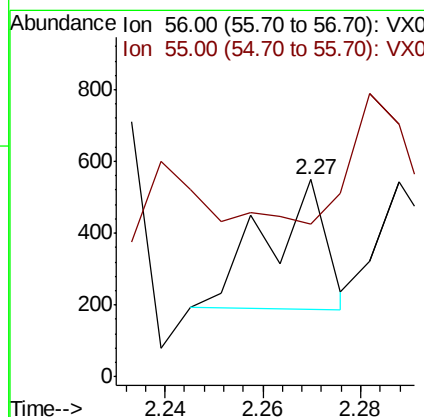
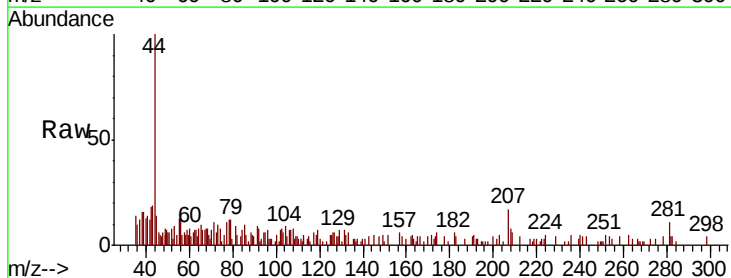
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

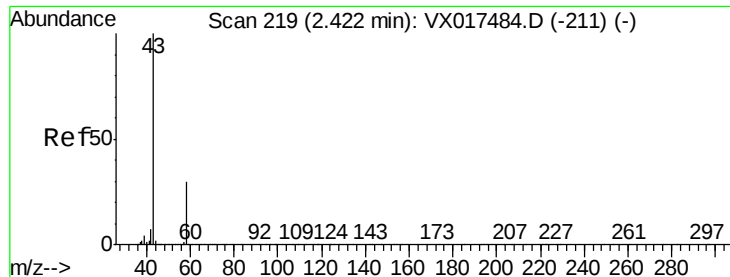
Tot Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 208.3 8.6 12.8#



#13
Acrolein
Concen: 4.460 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

Tgt Ion: 56 Resp: 304
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#

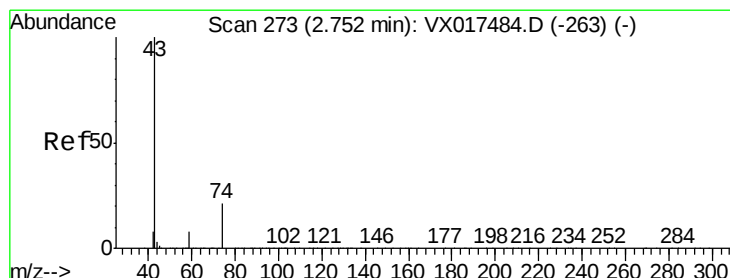
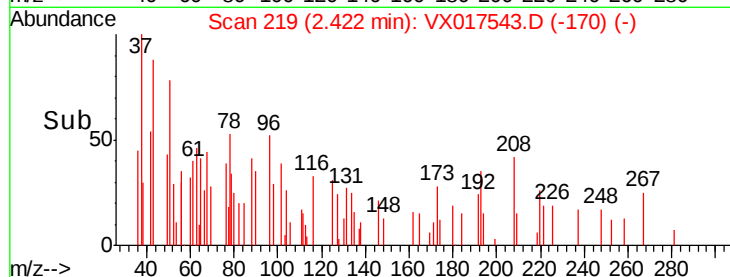
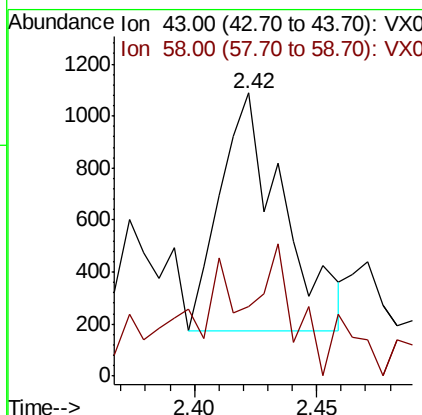
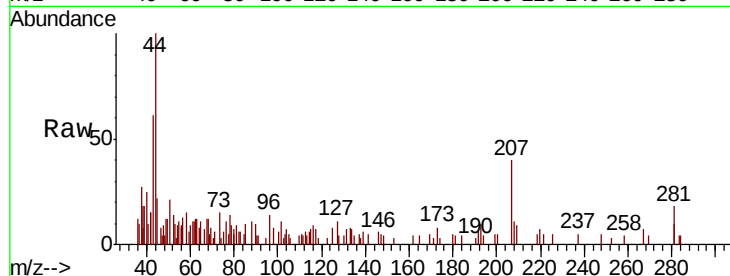




#16
Acetone
Concen: 0.617 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

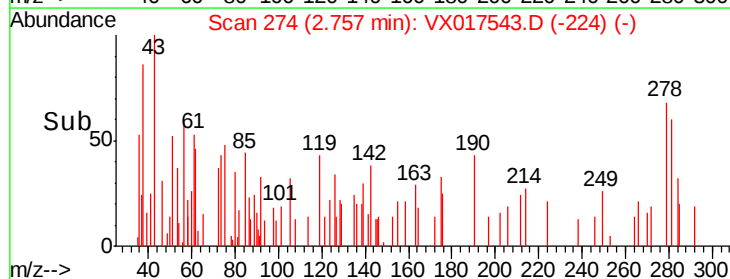
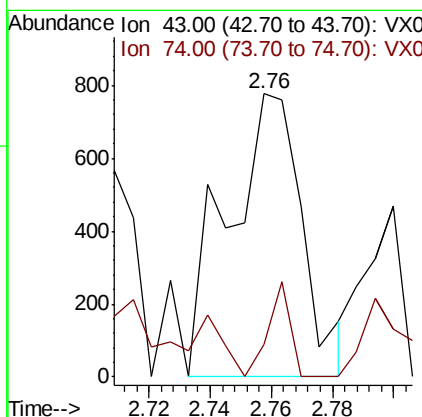
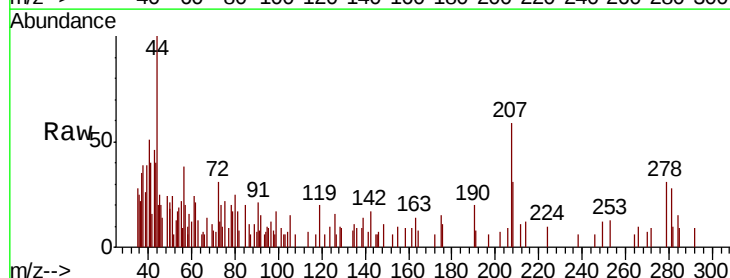
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

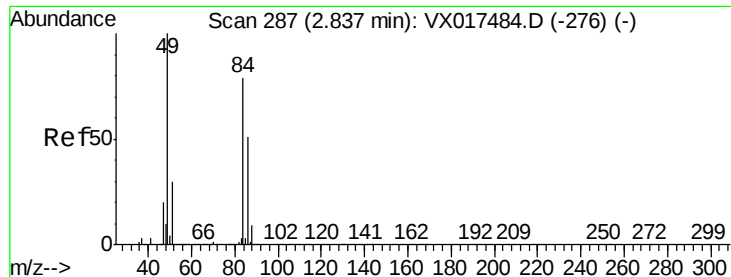
Tot Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 2.9 24.2 36.4#



#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
74 9.7 17.5 26.3#

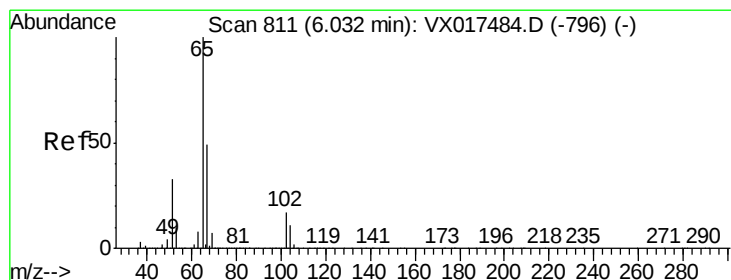
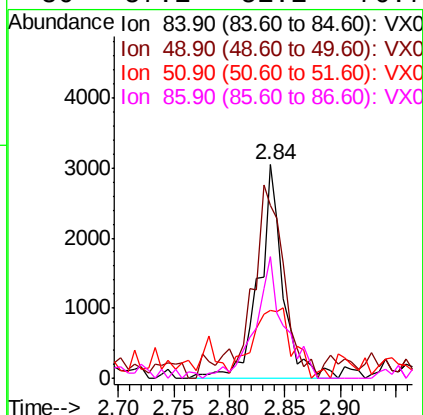
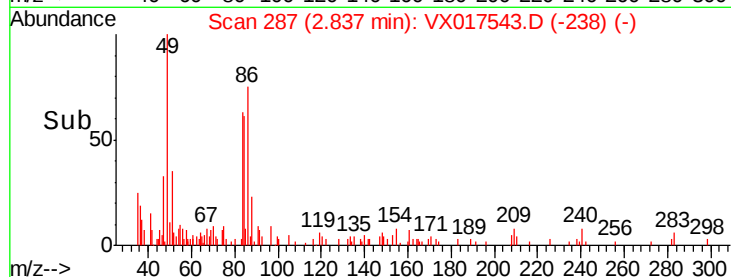
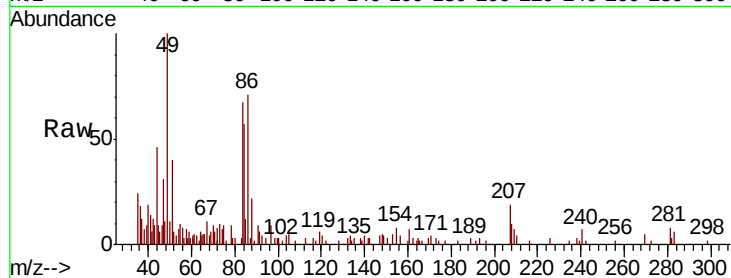




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

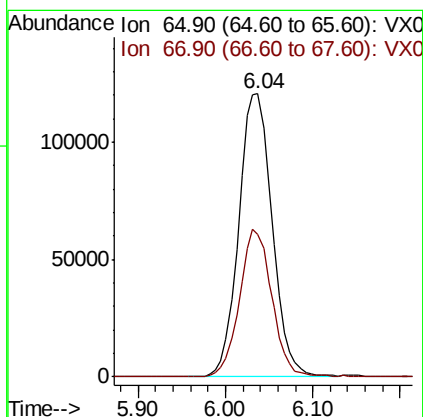
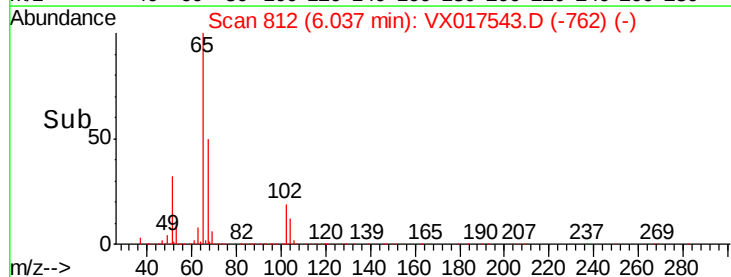
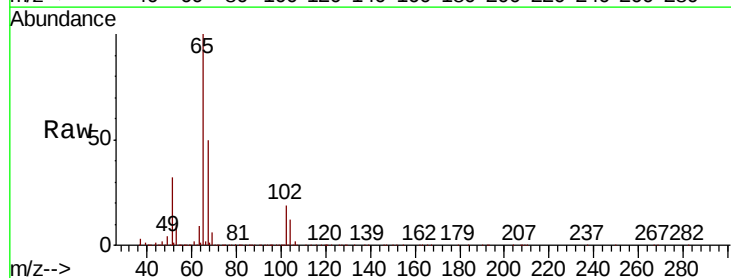
Instrument :
MSVOA_X
ClientSampleId :
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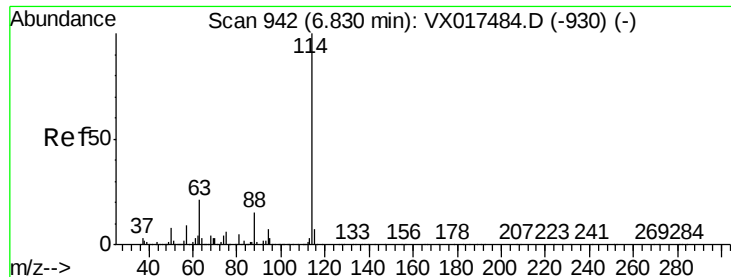
Tot Ion: 84 Resp: 4628
Ion Ratio Lower Upper
84 100
49 80.8 100.3 150.5#
51 23.3 30.5 45.7#
86 57.1 51.1 76.7



#33
1,2-Dichloroethane-d4
Concen: 53.496 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

Tgt Ion: 65 Resp: 319363
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

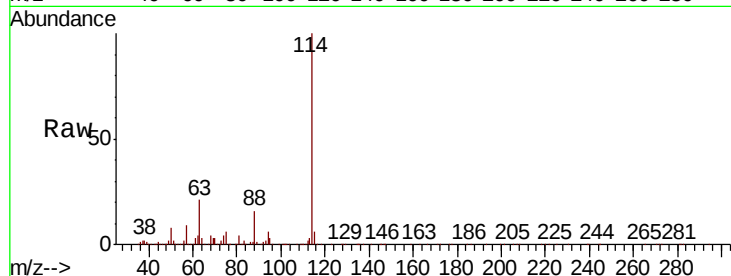
Tot Ion:114 Resp: 782914

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

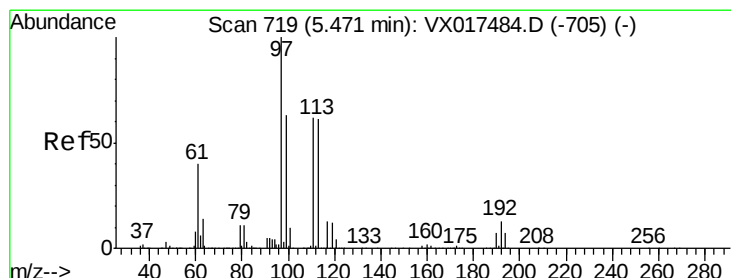
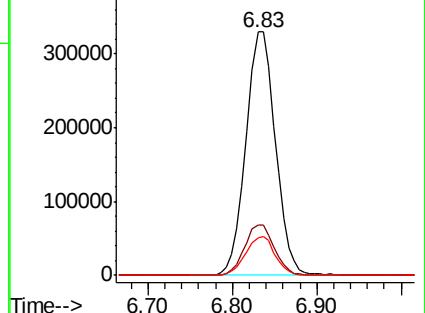
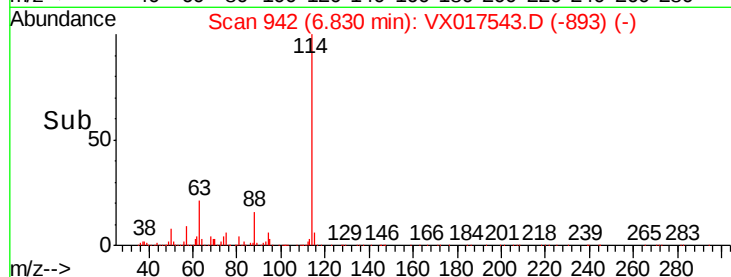
88 15.5 0.0 33.4



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: 47.611 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

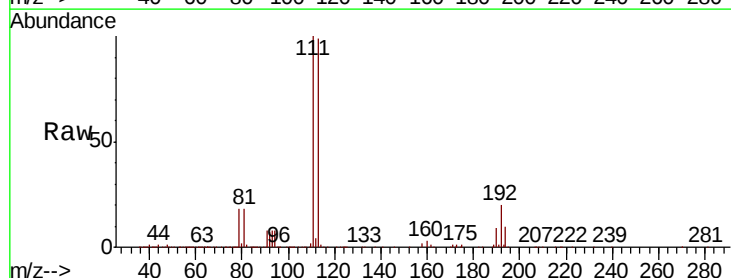
Tgt Ion:113 Resp: 249301

Ion Ratio Lower Upper

113 100

111 103.3 80.7 121.1

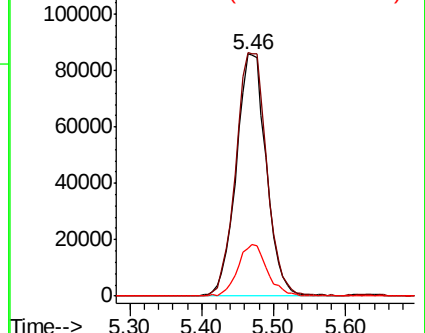
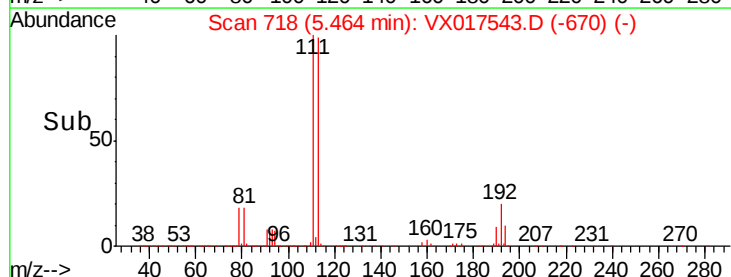
192 20.9 16.9 25.3

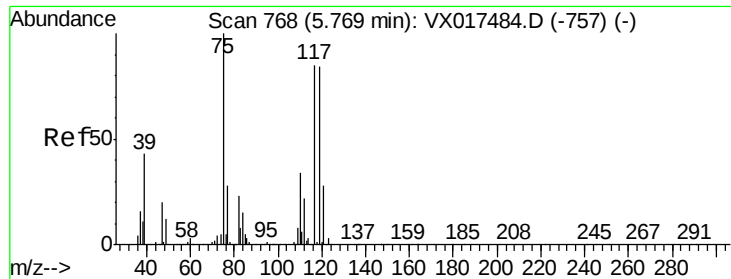


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.461 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

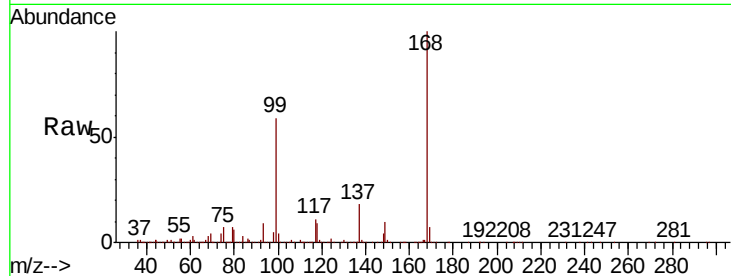
Tot Ion: 75 Resp: 33494

Ion Ratio Lower Upper

75 100

110 5.8 18.1 54.3#

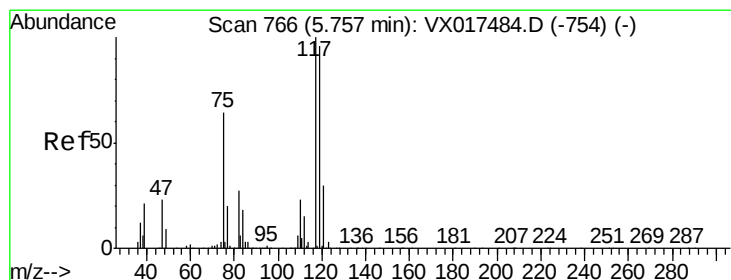
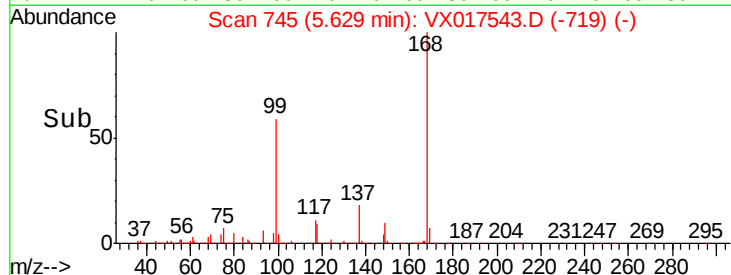
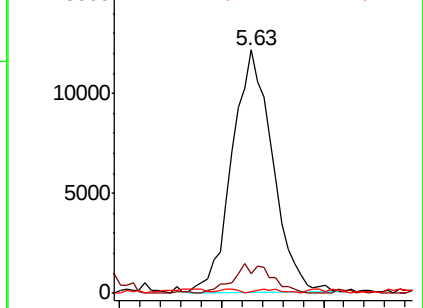
77 1.2 24.6 37.0#



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: 5.176 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

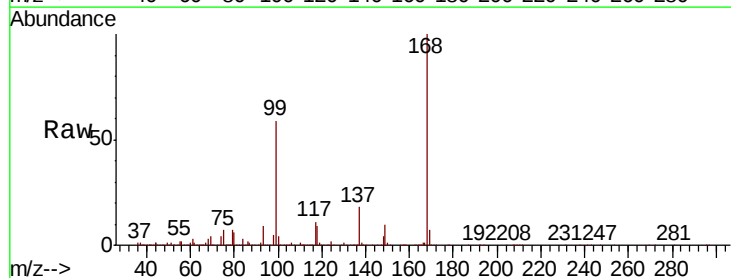
Tgt Ion:117 Resp: 47198

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.0#

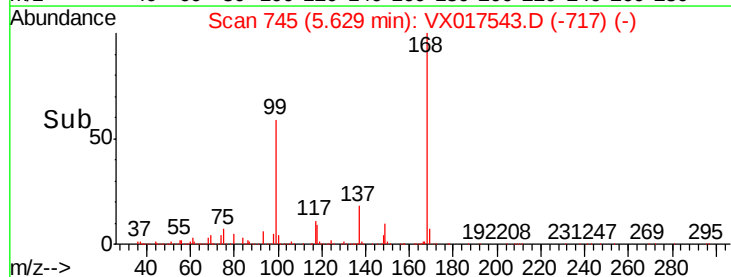
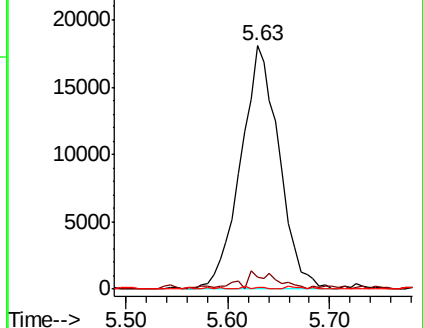
121 0.3 24.3 36.5#

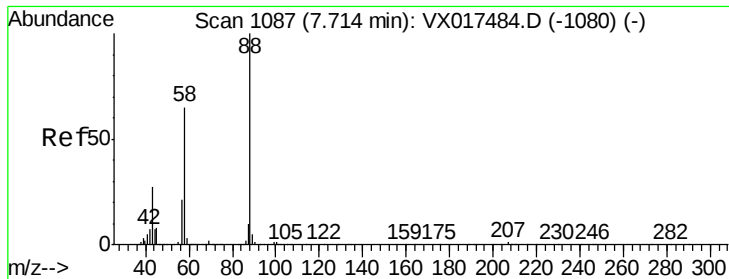


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.776 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

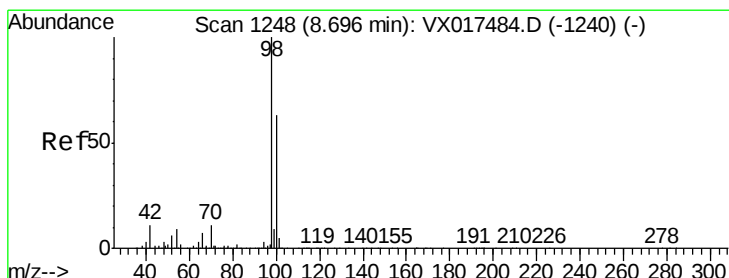
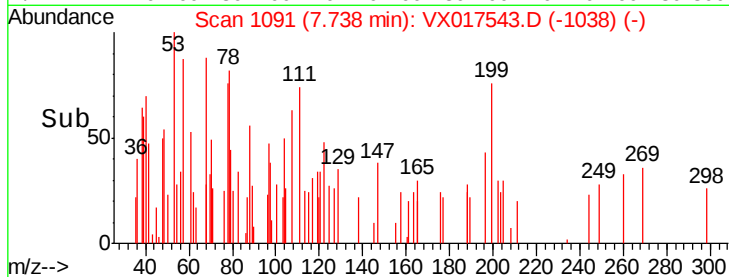
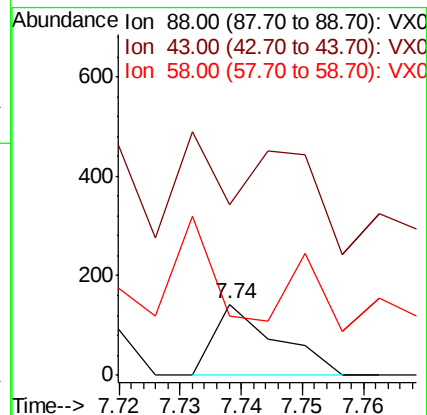
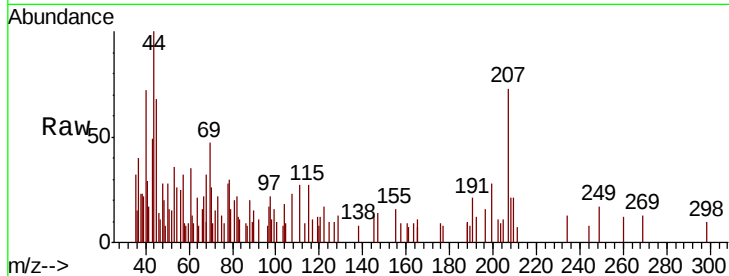
Tot Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 76.0 27.8 41.6#

58 347.0 58.3 87.5#



#50

Toluene-d8

Concen: 47.758 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017543.D

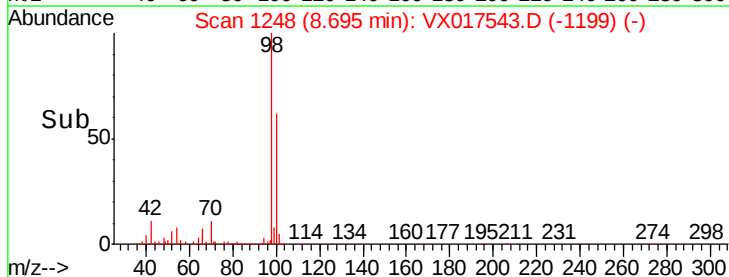
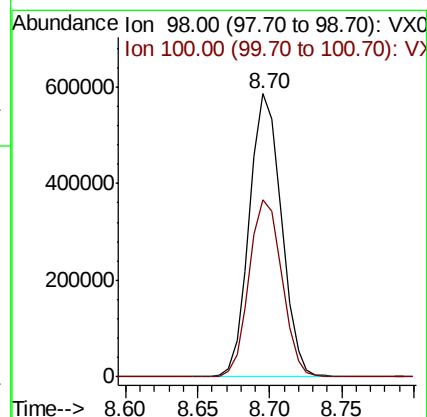
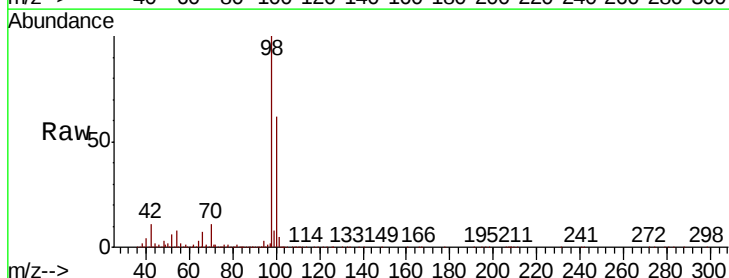
Acq: 24 Jul 2020 15:22

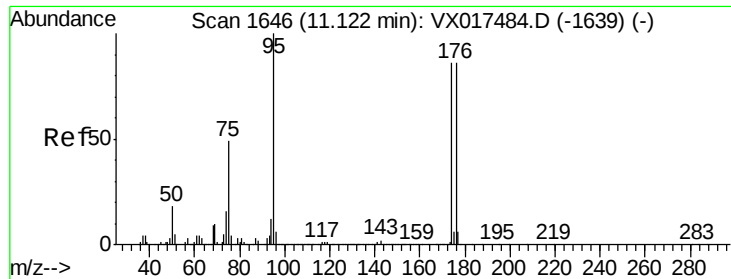
Tgt Ion: 98 Resp: 902115

Ion Ratio Lower Upper

98 100

100 64.2 52.3 78.5

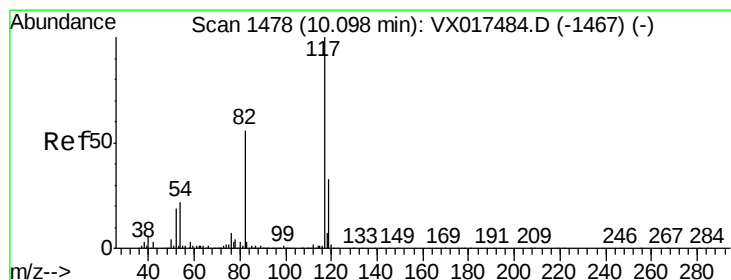
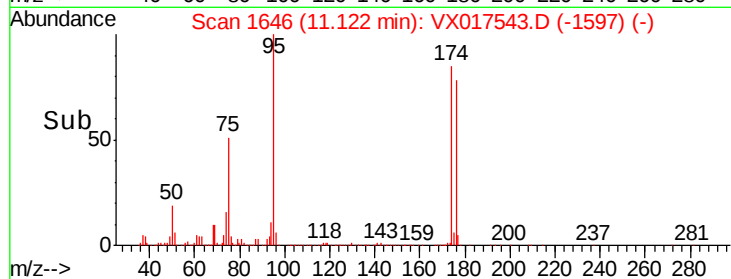
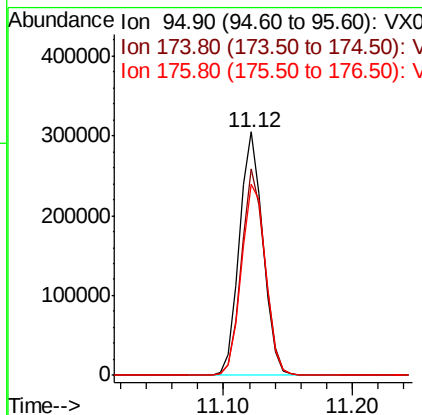
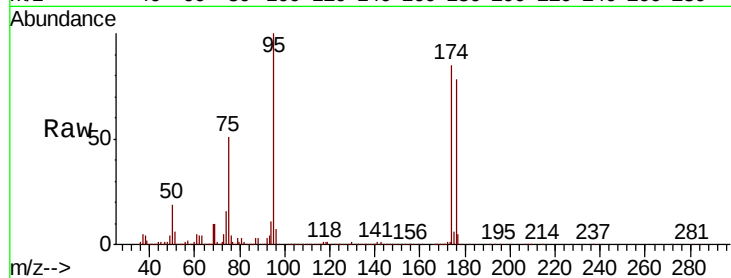




#62
4-Bromofluorobenzene
Concen: 51.091 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

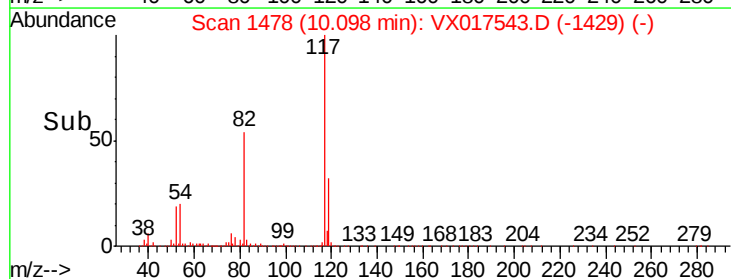
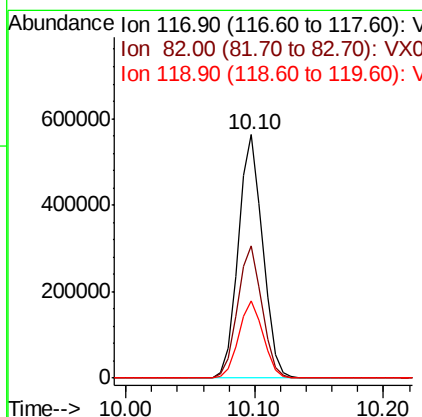
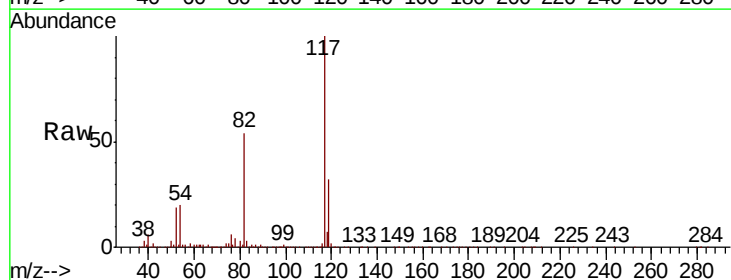
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

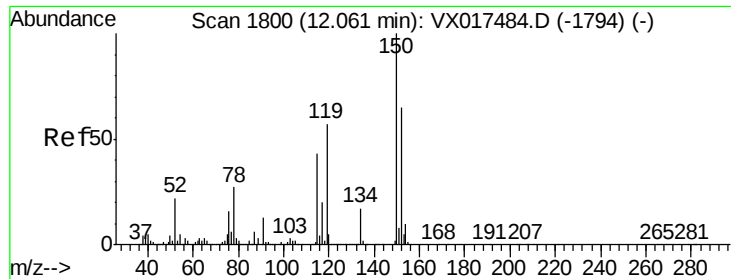
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	169.0
176	80.9	0.0	161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017543.D
Acq: 24 Jul 2020 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.0	66.0
119	31.8	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

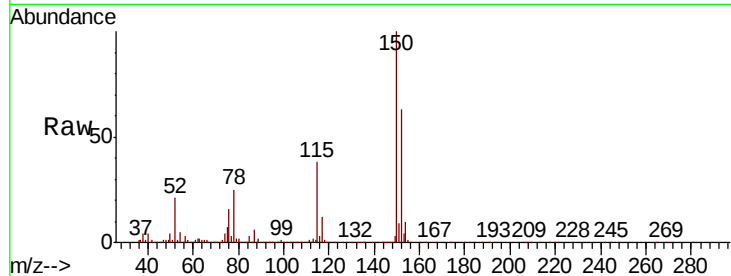
Tot Ion:152 Resp: 416142

Ion Ratio Lower Upper

152 100

115 58.3 65.5 196.6#

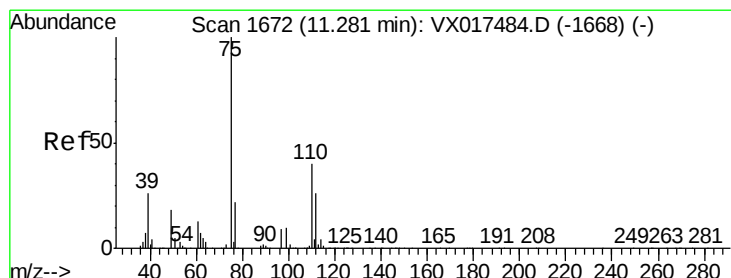
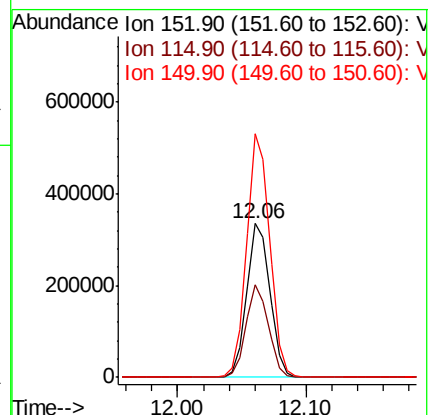
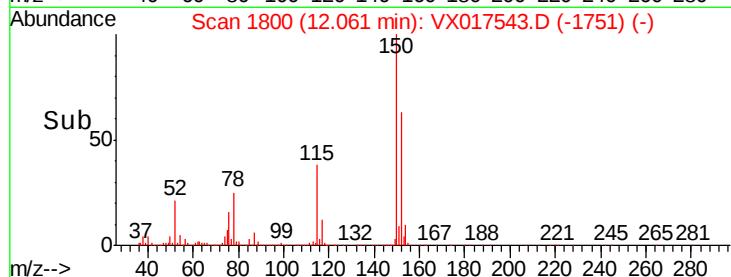
150 156.7 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.648 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017543.D

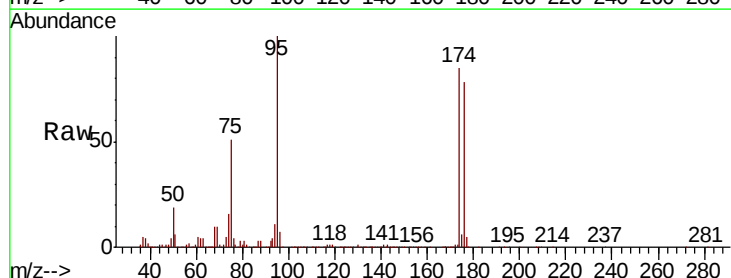
Acq: 24 Jul 2020 15:22

Tgt Ion: 75 Resp: 193875

Ion Ratio Lower Upper

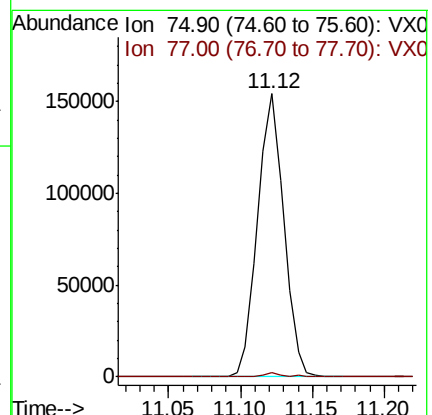
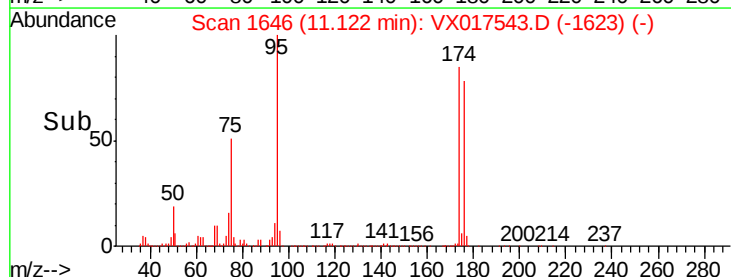
75 100

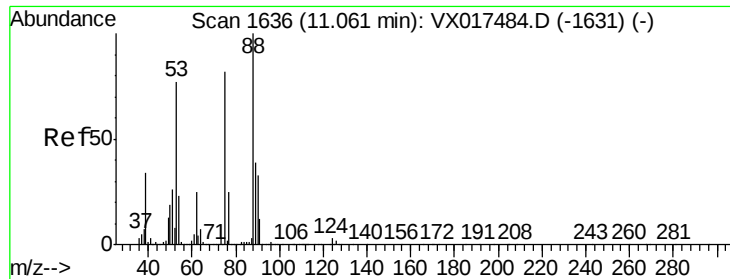
77 1.2 21.8 65.3#



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: 57.069 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

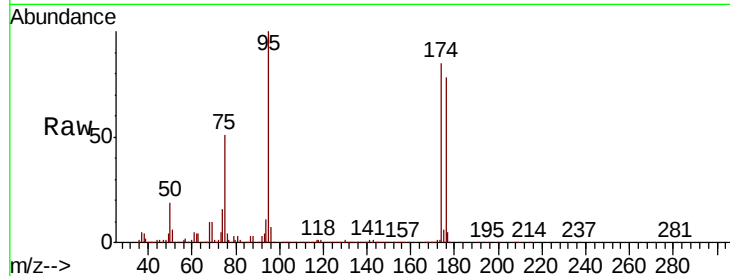
Tot Ion: 75 Resp: 193875

Ion Ratio Lower Upper

75 100

53 0.4 75.9 113.9#

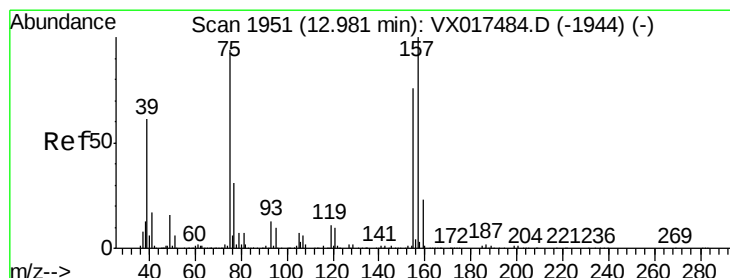
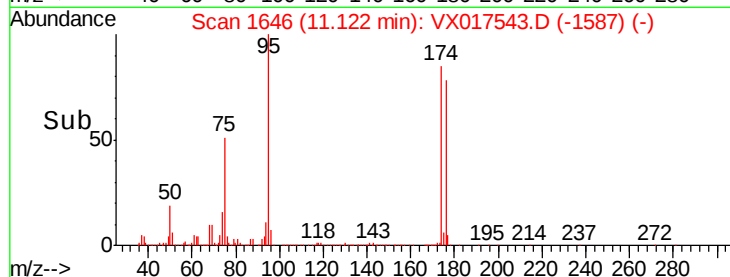
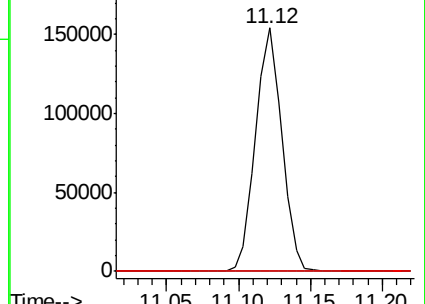
89 0.0 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.618 ug/l

RT: 13.12 min Scan# 1973

Delta R.T. 0.13 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

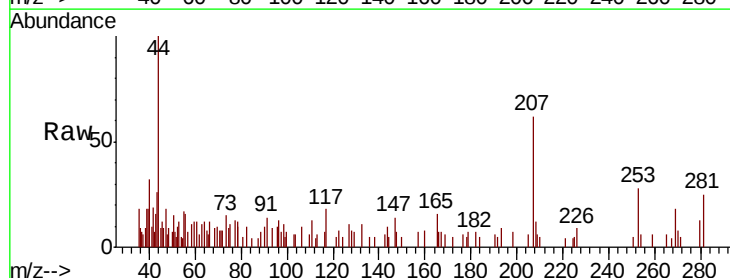
Tgt Ion: 75 Resp: 110

Ion Ratio Lower Upper

75 100

155 119.1 42.3 126.8

157 77.3 54.3 162.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

