

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072420\
 Data File : VX017544.D
 Acq On : 24 Jul 2020 15:45
 Operator : JC/SP
 Sample : L3390-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200721

Quant Time: Jul 25 01:51:07 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	5.64	168	459565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	735937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	721487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	435275	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	310321	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	5.47	113	265223	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
50) Toluene-d8	8.70	98	858640	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.12	95	398268	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	

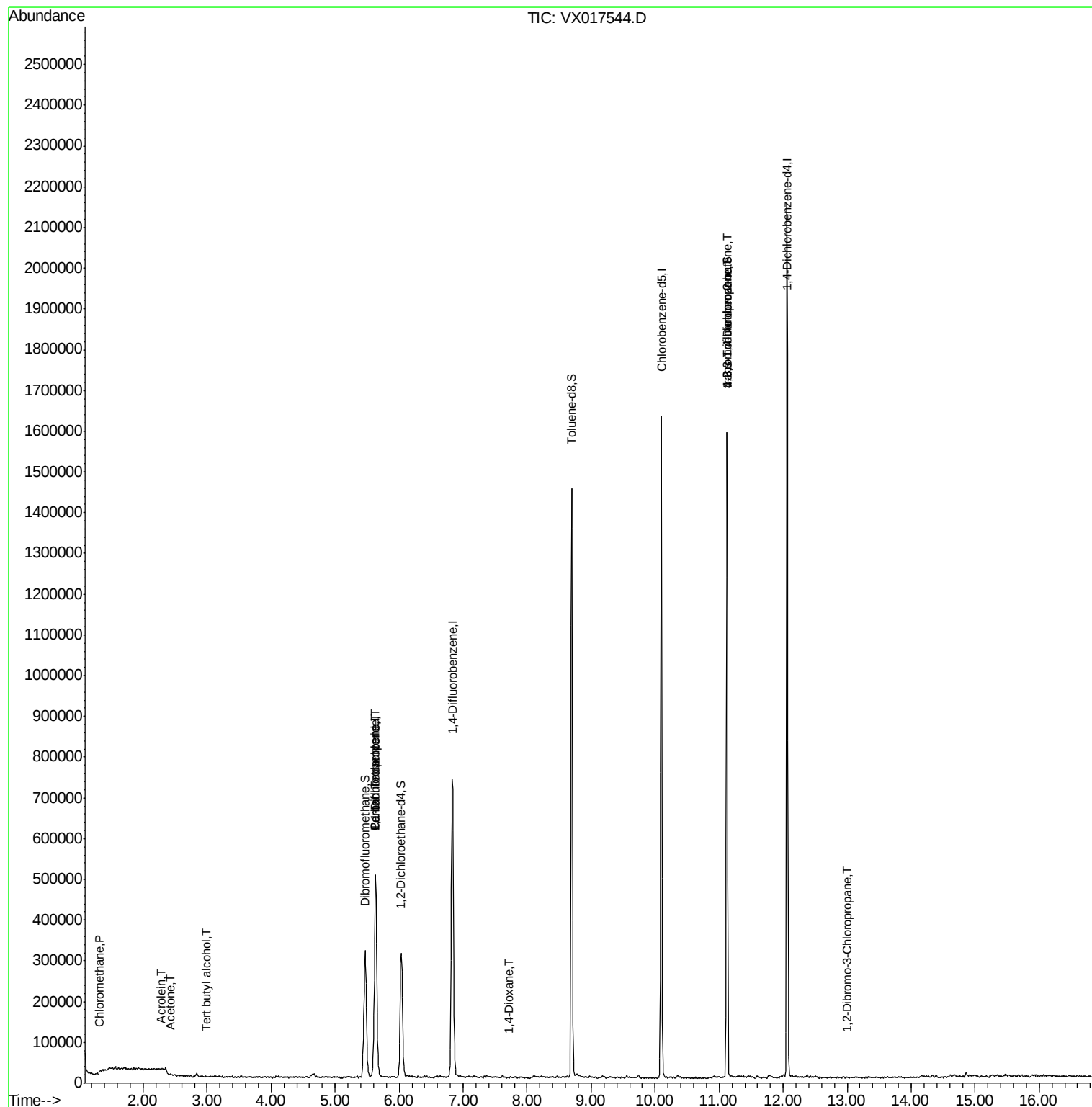
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	306	Below Cal	#	42
3) Chloromethane	1.31	50	736	0.495	ug/l #	58
5) Bromomethane	1.64	94	362	Below Cal	#	12
6) Chloroethane	1.70	64	229	Below Cal	#	83
8) Diethyl Ether	2.17	74	194	Below Cal		90
11) Tert butyl alcohol	2.99	59	508	0.408	ug/l #	1
13) Acrolein	2.27	56	411	4.574	ug/l	87
16) Acetone	2.42	43	2060	0.793	ug/l #	83
20) Methylene Chloride	2.84	84	3743	Below Cal	#	87
36) 1,1-Dichloropropene	5.63	75	33957	4.811	ug/l #	53
38) Carbon Tetrachloride	5.63	117	45751	5.338	ug/l #	16
49) 1,4-Dioxane	7.71	88	324	2.676	ug/l #	63
76) 1,2,3-Trichloropropane	11.12	75	202873	22.658	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	202873	57.092	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	267	2.673	ug/l #	37

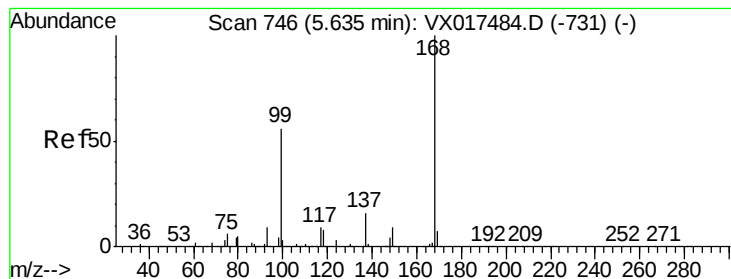
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 25 01:51:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

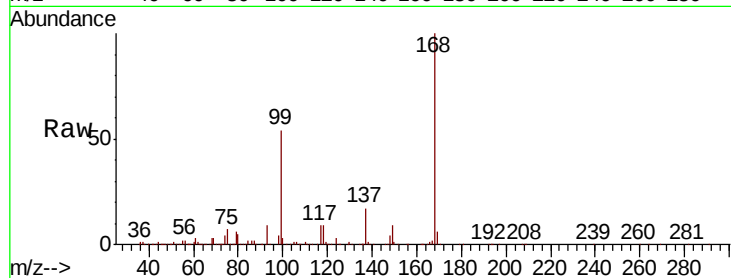
TB-01-200721

Tot Ion:168 Resp: 459565

Ion Ratio Lower Upper

168 100

99 54.4 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

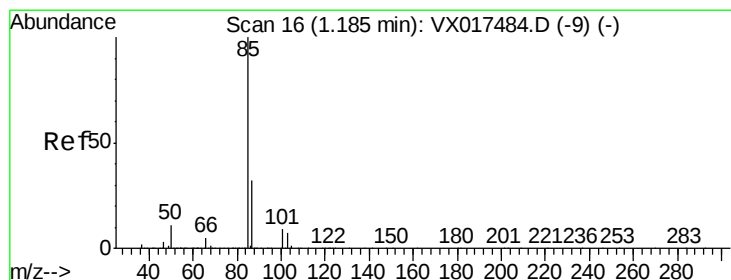
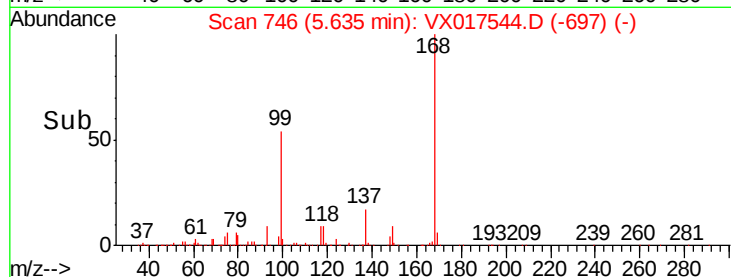
50000

0

5.50 5.60 5.70 5.80

5.64

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017544.D

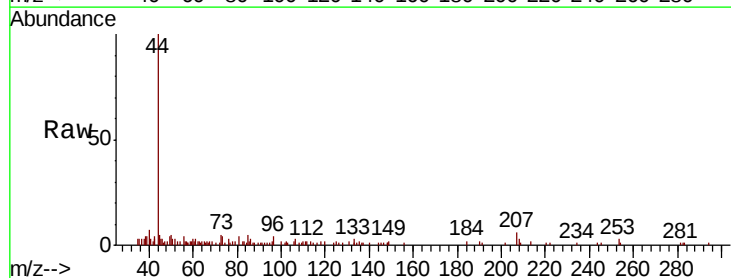
Acq: 24 Jul 2020 15:45

Tgt Ion: 85 Resp: 306

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

200

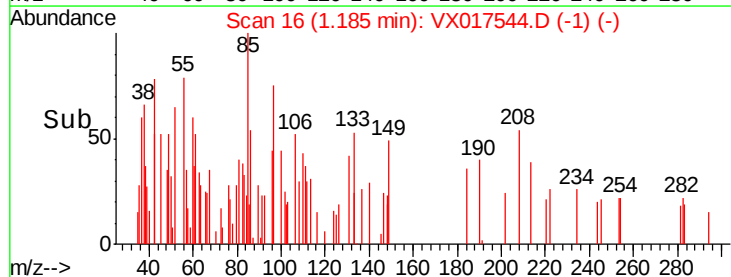
100

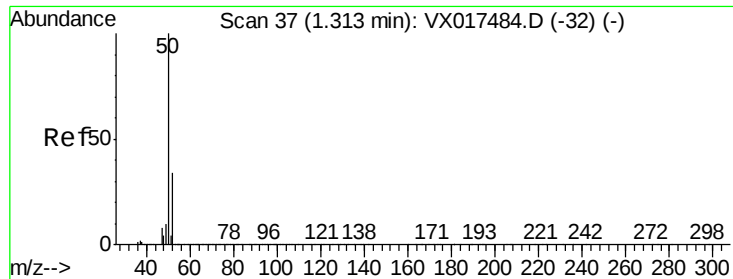
0

1.16 1.18 1.20

1.18

Time-->

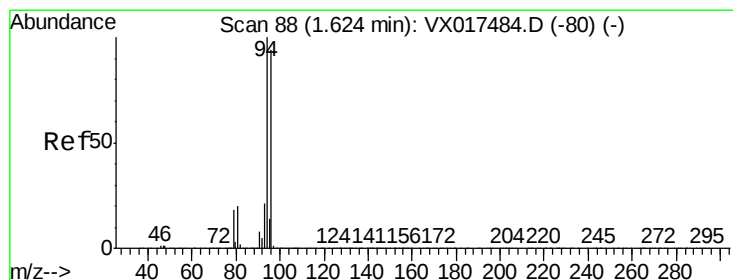
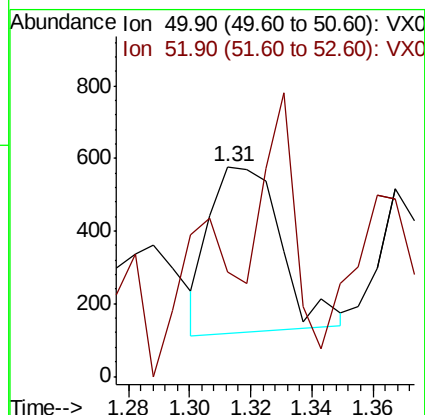
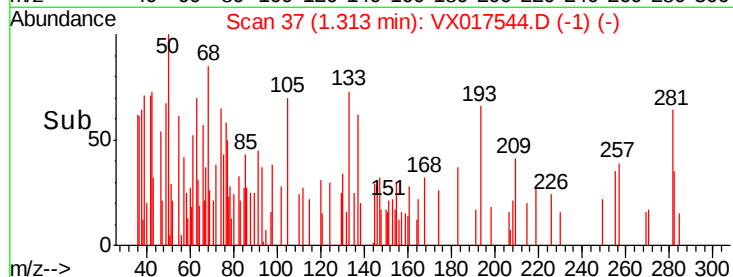
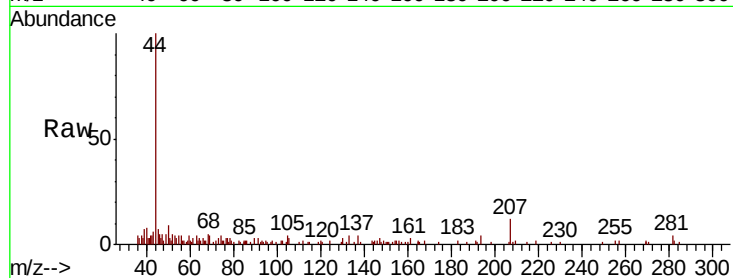




#3
Chloromethane
Concen: 0.495 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017544.D
Acq: 24 Jul 2020 15:45

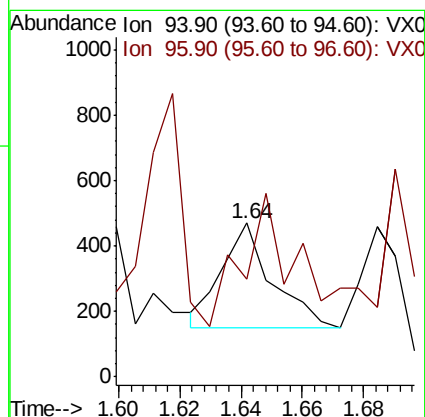
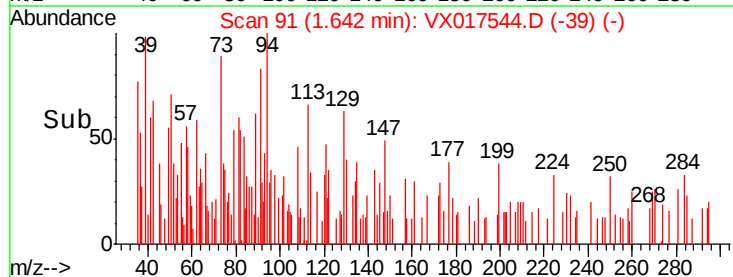
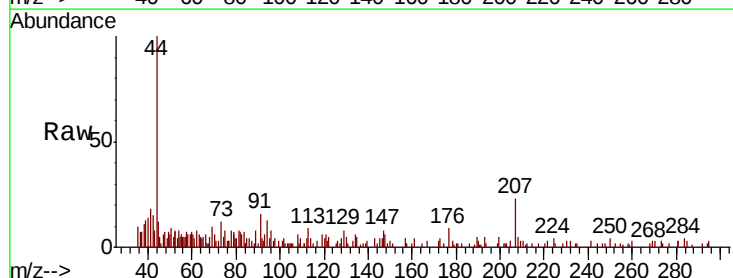
Instrument :
MSVOA_X
ClientSampled :
TB-01-200721

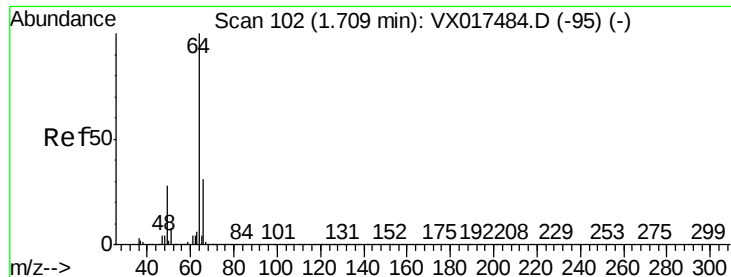
Tot Ion: 50 Resp: 736
Ion Ratio Lower Upper
50 100
52 8.7 25.9 38.9#



#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 91
Delta R.T. 0.02 min
Lab File: VX017544.D
Acq: 24 Jul 2020 15:45

Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 8.2 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

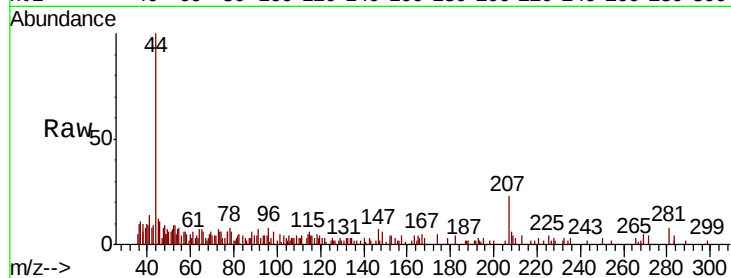
TB-01-200721

Tot Ion: 64 Resp: 229

Ion Ratio Lower Upper

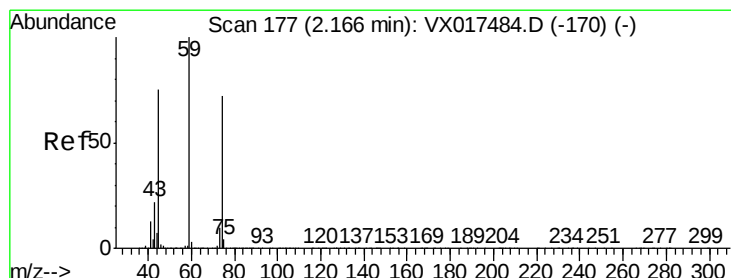
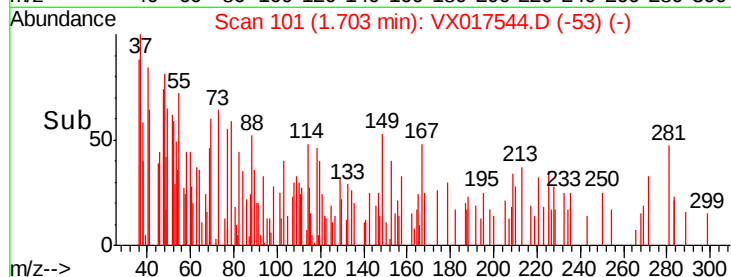
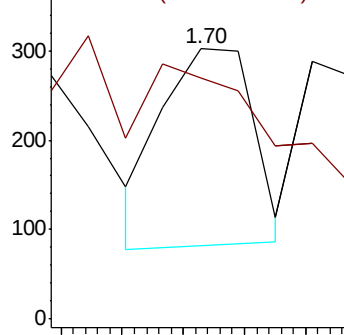
64 100

66 40.4 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017544.D

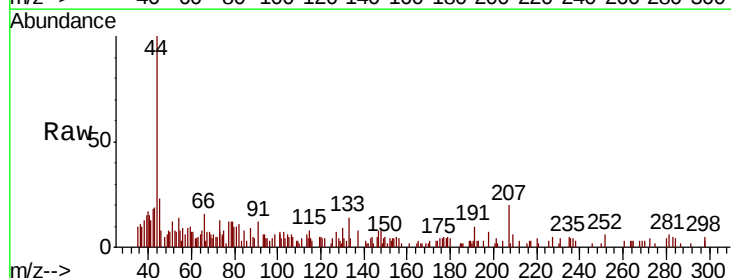
Acq: 24 Jul 2020 15:45

Tgt Ion: 74 Resp: 194

Ion Ratio Lower Upper

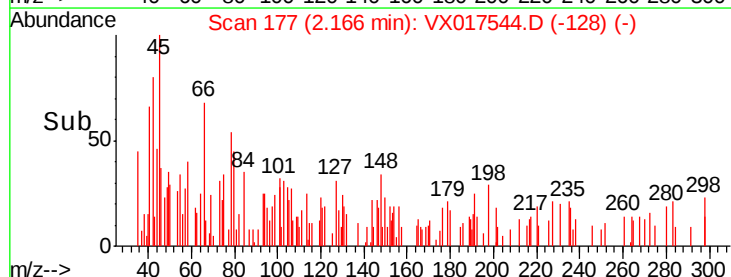
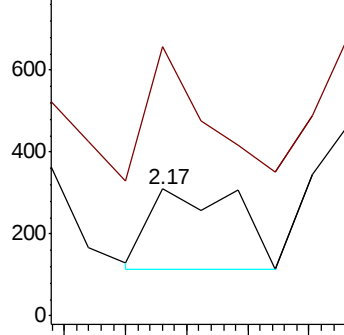
74 100

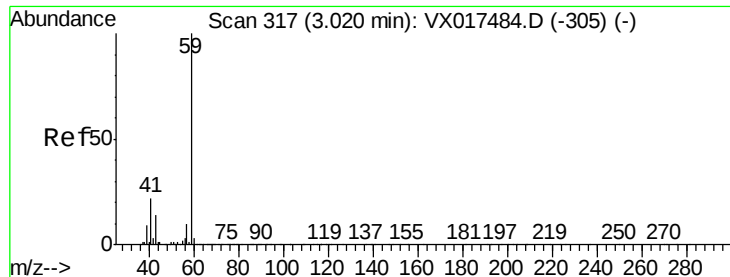
45 111.9 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



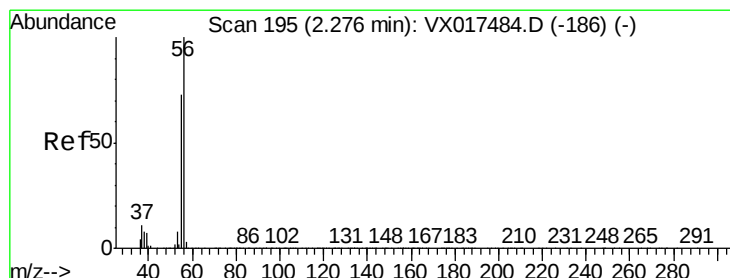
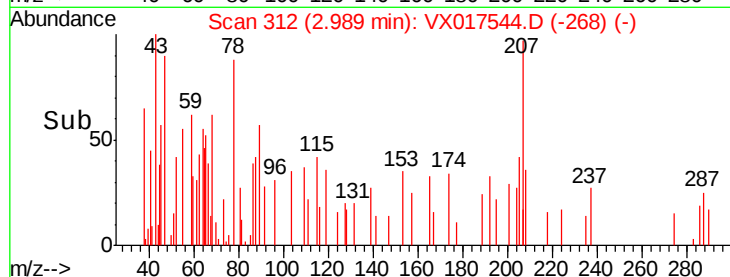
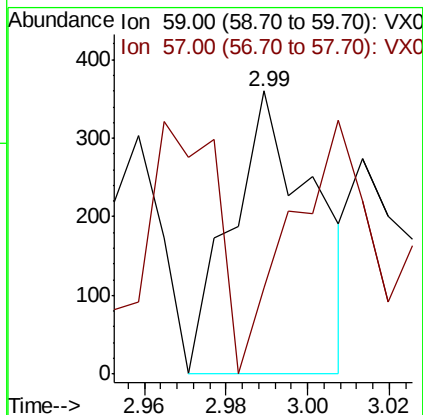
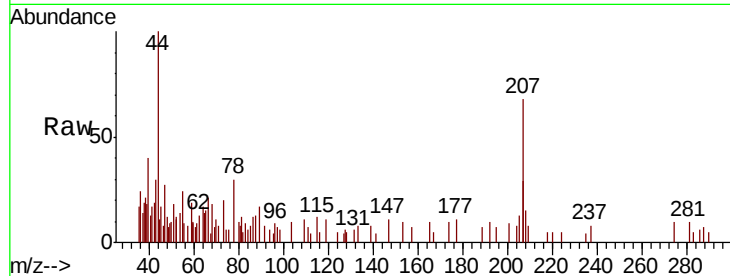


#11

Tert butyl alcohol
Concen: 0.408 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX017544.D
Acq: 24 Jul 2020 15:45

Instrument :
MSVOA_X
ClientSampled :
TB-01-200721

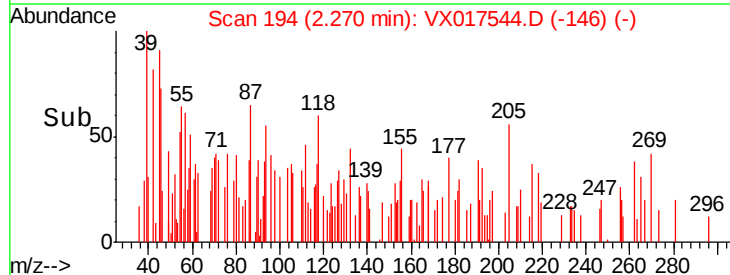
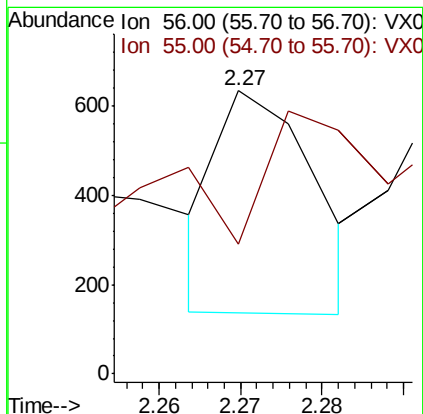
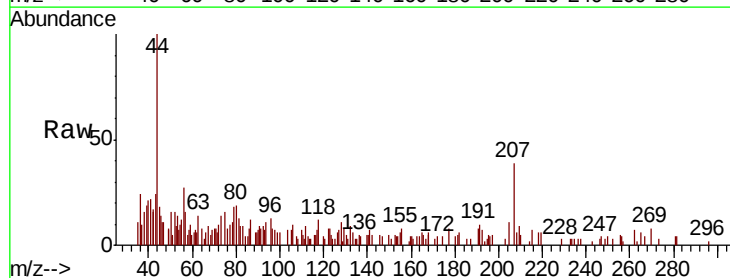
Tot Ion: 59 Resp: 508
Ion Ratio Lower Upper
59 100
57 105.7 8.6 12.8#

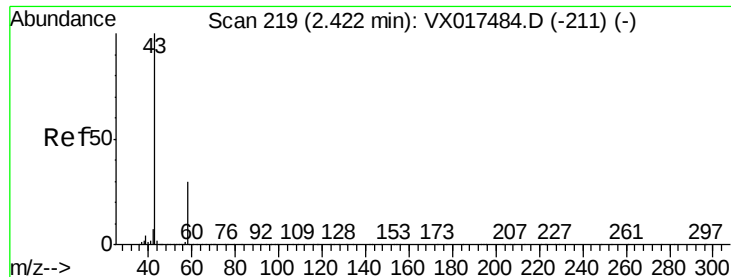


#13

Acrolein
Concen: 4.574 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017544.D
Acq: 24 Jul 2020 15:45

Tgt Ion: 56 Resp: 411
Ion Ratio Lower Upper
56 100
55 61.1 57.4 86.2





#16

Acetone

Concen: 0.793 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampled :

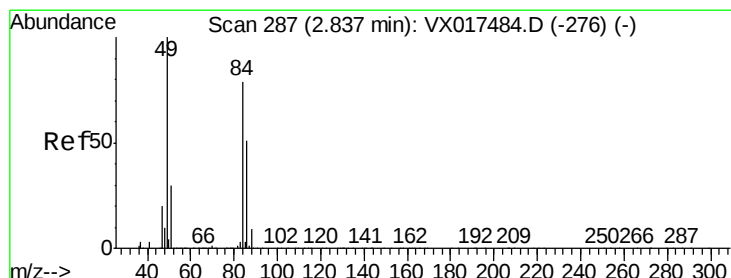
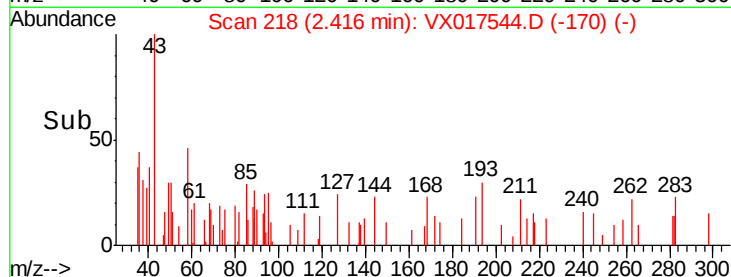
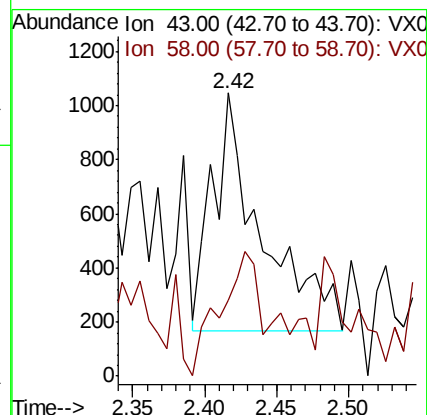
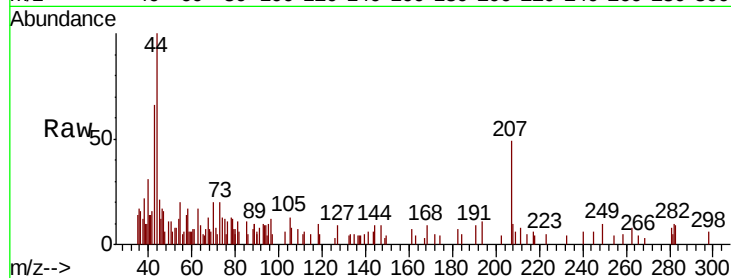
TB-01-200721

Tot Ion: 43 Resp: 2060

Ion Ratio Lower Upper

43 100

58 21.1 24.2 36.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Tgt Ion: 84 Resp: 3743

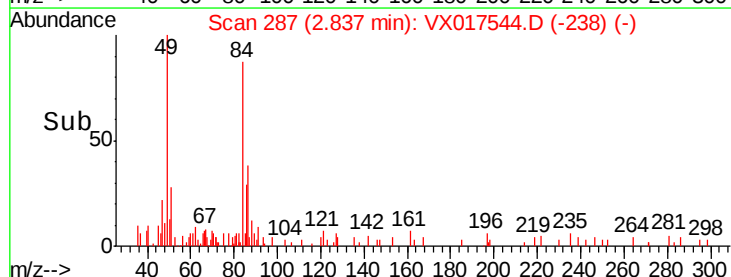
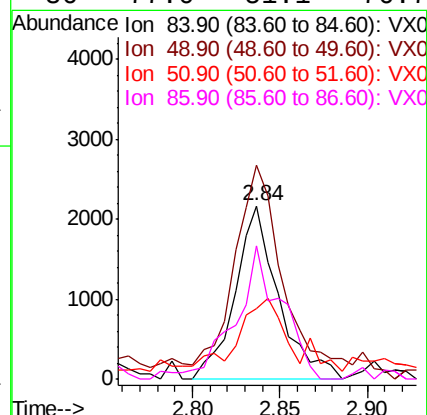
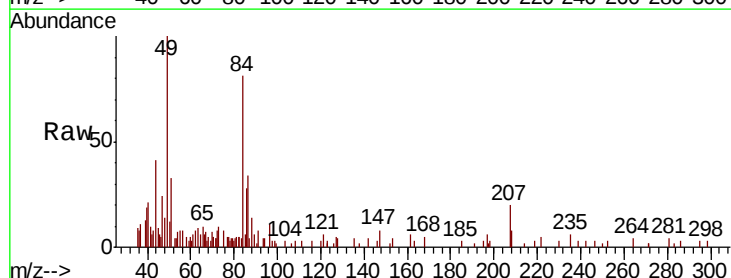
Ion Ratio Lower Upper

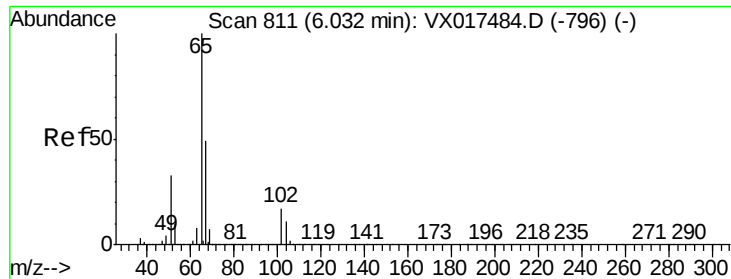
84 100

49 108.5 100.3 150.5

51 36.5 30.5 45.7

86 77.0 51.1 76.7#





#33

1,2-Dichloroethane-d4

Concen: 52.567 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampled :

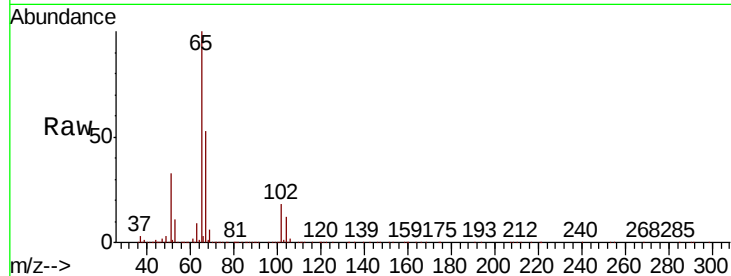
TB-01-200721

Tot Ion: 65 Resp: 310321

Ion Ratio Lower Upper

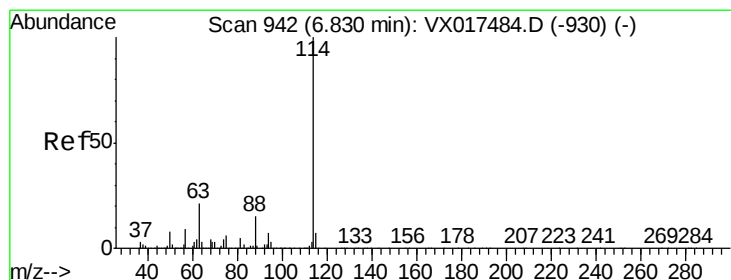
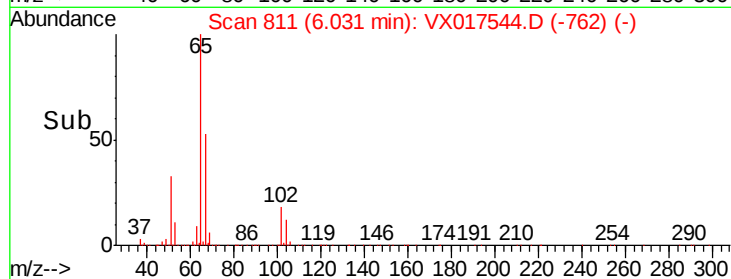
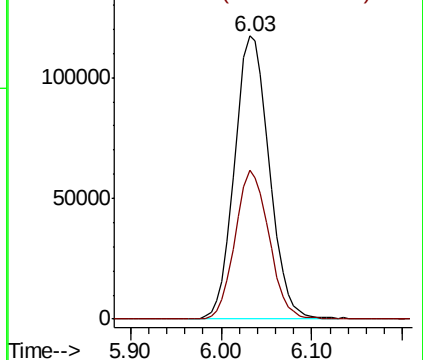
65 100

67 51.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

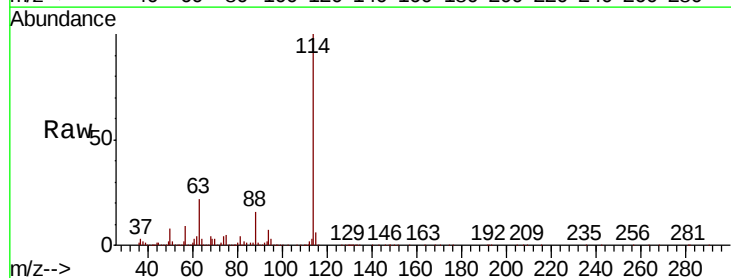
Tgt Ion: 114 Resp: 735937

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.6

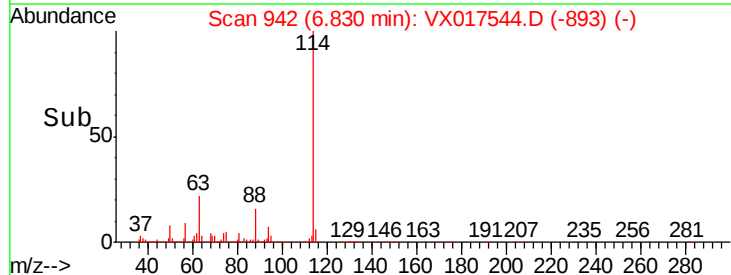
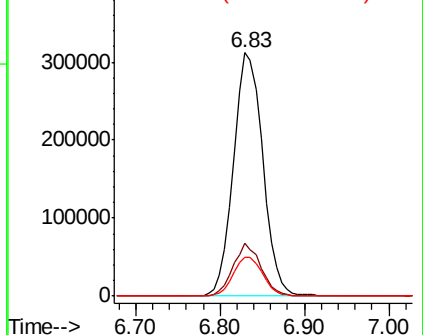
88 16.1 0.0 33.4

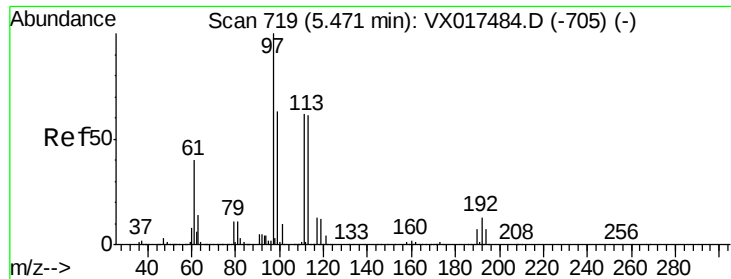


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

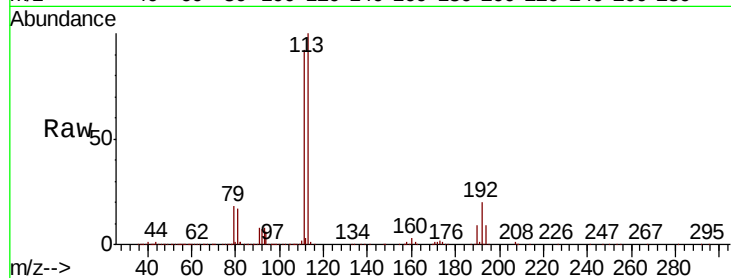




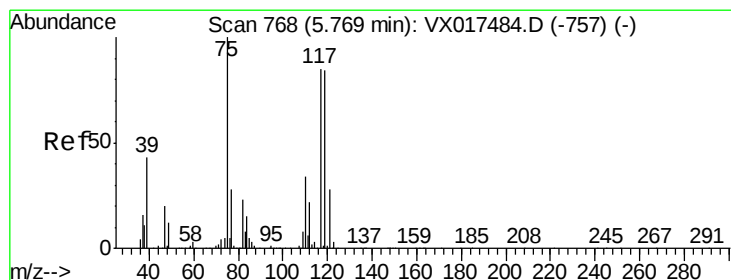
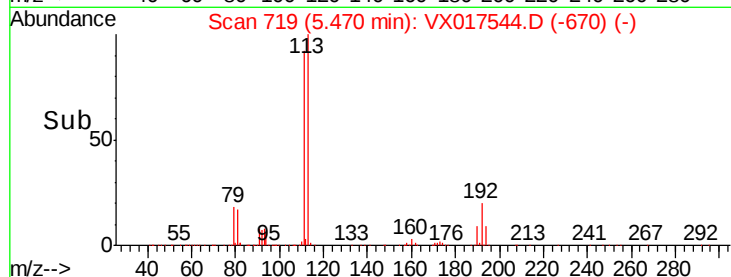
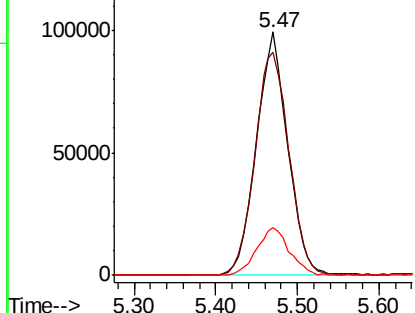
#35
 Dibromofluoromethane
 Concen: 53.885 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017544.D
 Acq: 24 Jul 2020 15:45

Instrument :
 MSVOA_X
 ClientSampled :
 TB-01-200721

Tot Ion:113 Resp: 265223
 Ion Ratio Lower Upper
 113 100
 111 99.8 80.7 121.1
 192 20.7 16.9 25.3

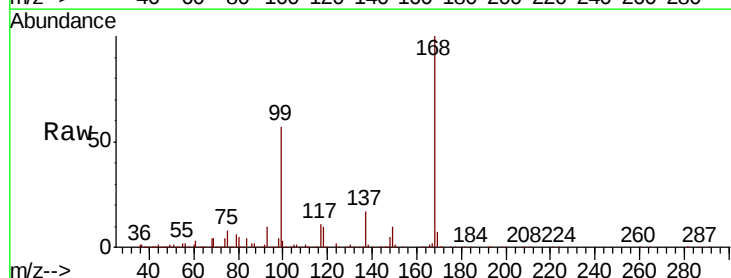


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

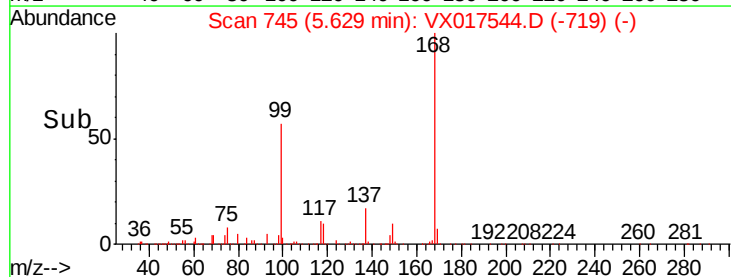
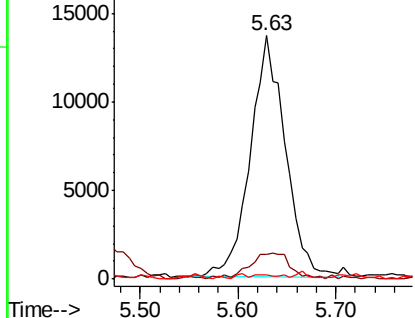


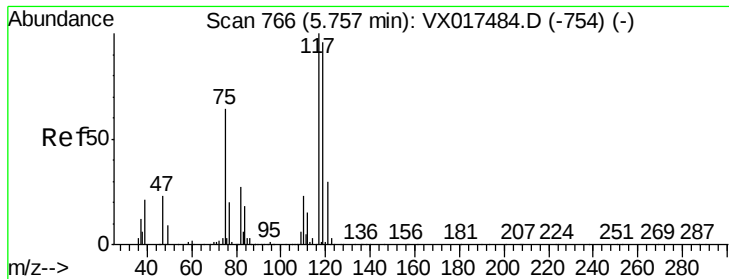
#36
 1,1-Dichloropropene
 Concen: 4.811 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017544.D
 Acq: 24 Jul 2020 15:45

Tgt Ion: 75 Resp: 33957
 Ion Ratio Lower Upper
 75 100
 110 12.9 18.1 54.3#
 77 0.6 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: 5.338 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200721

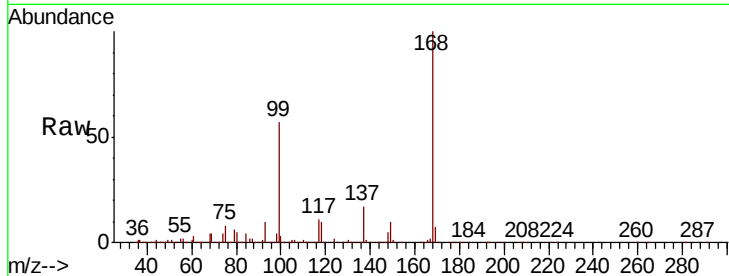
Tot Ion:117 Resp: 45751

Ion Ratio Lower Upper

117 100

119 4.2 75.4 113.0#

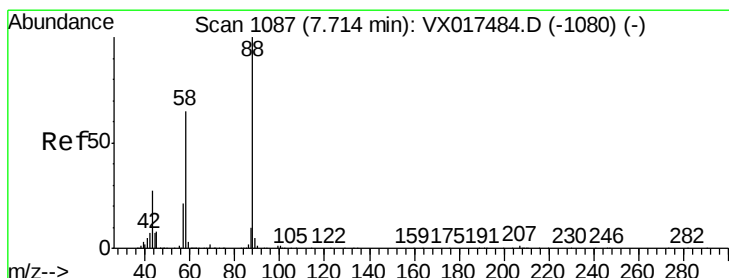
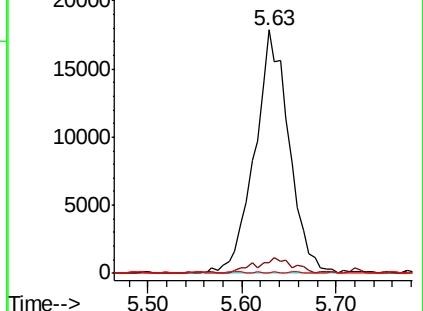
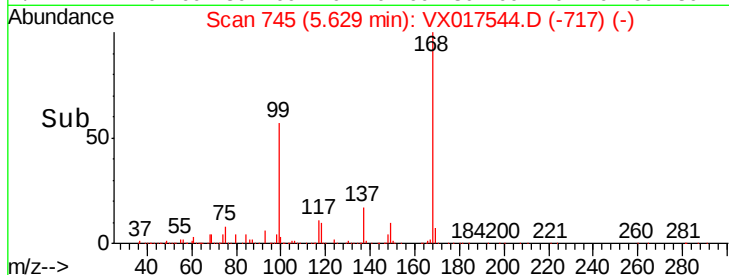
121 0.0 24.3 36.5#



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: 2.676 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

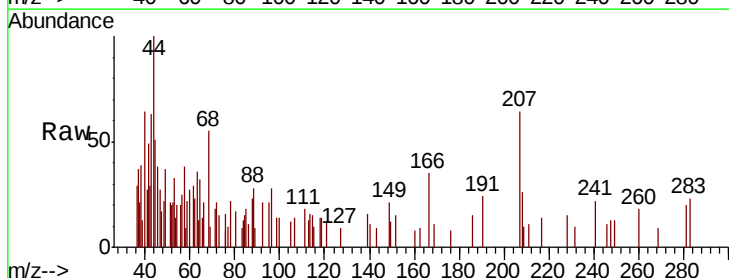
Tgt Ion: 88 Resp: 324

Ion Ratio Lower Upper

88 100

43 75.6 27.8 41.6#

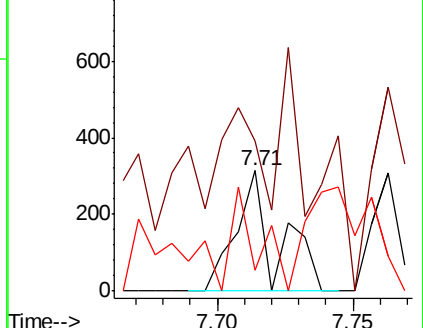
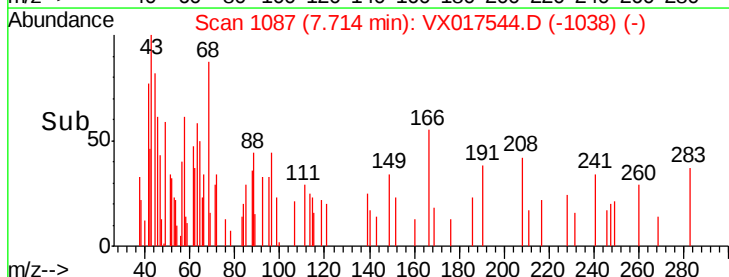
58 55.9 58.3 87.5#

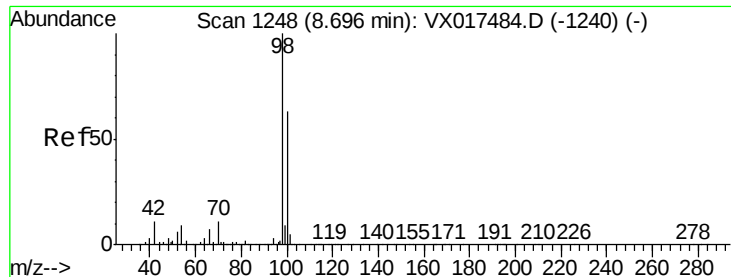


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.358 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

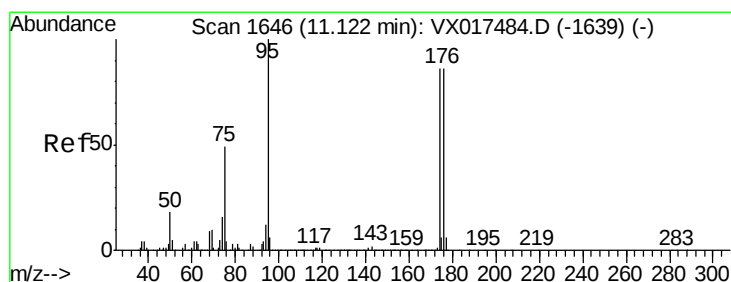
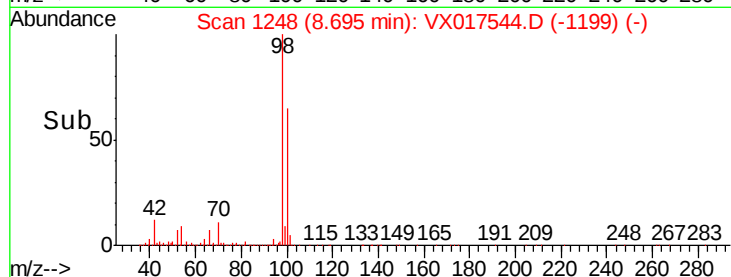
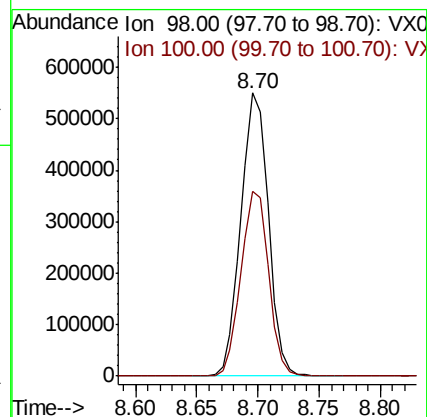
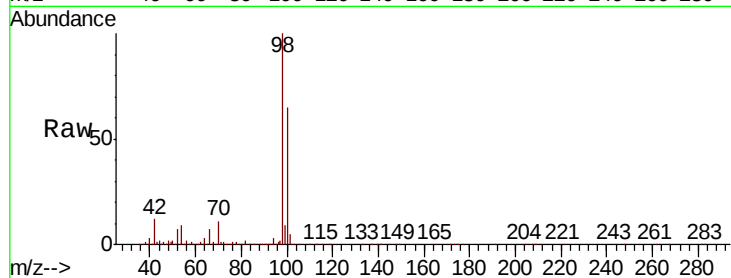
TB-01-200721

Tot Ion: 98 Resp: 858640

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 56.047 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

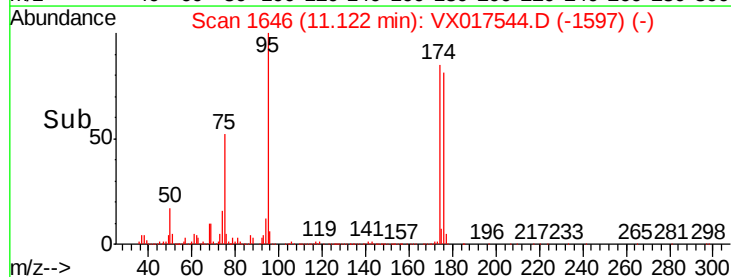
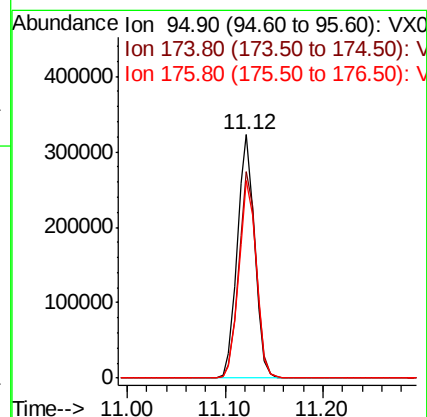
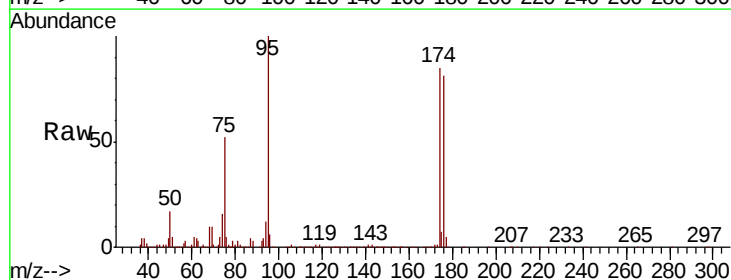
Tgt Ion: 95 Resp: 398268

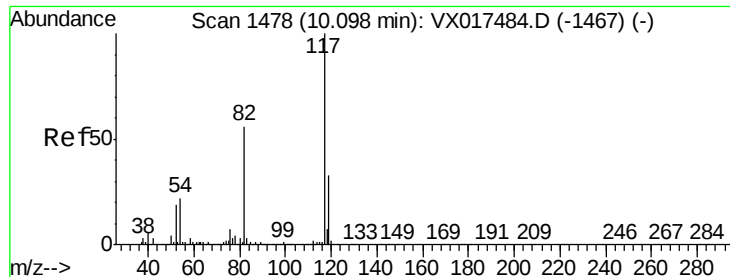
Ion Ratio Lower Upper

95 100

174 84.9 0.0 169.0

176 81.5 0.0 161.0

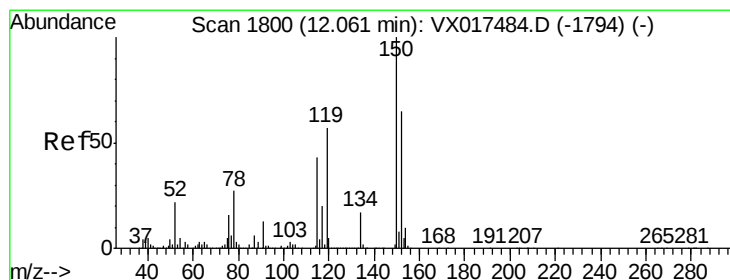
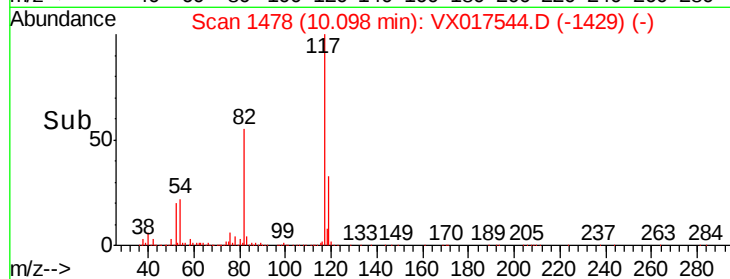
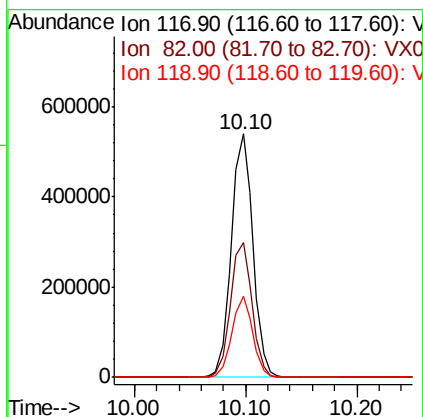
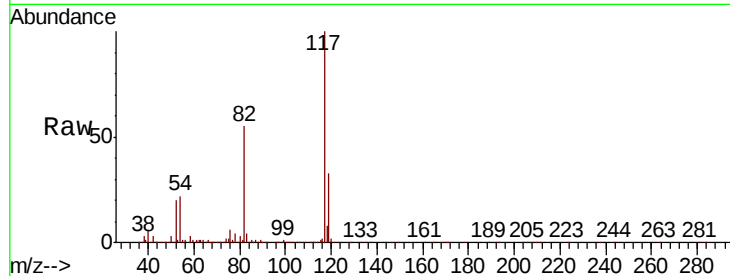




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017544.D
Acq: 24 Jul 2020 15:45

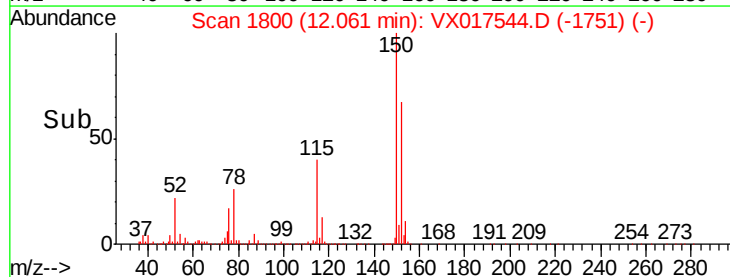
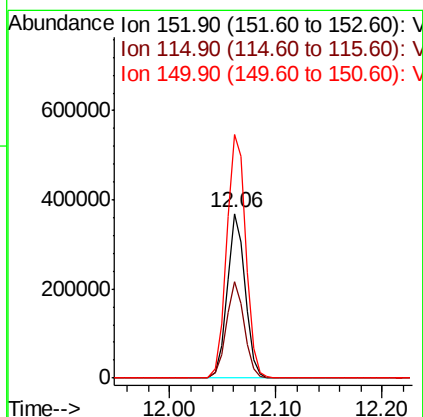
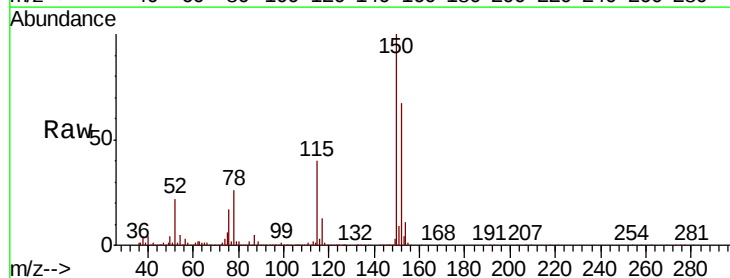
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200721

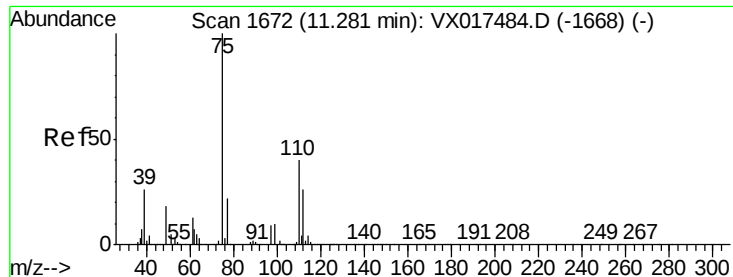
Tot Ion:117 Resp: 721487
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017544.D
Acq: 24 Jul 2020 15:45

Tgt Ion:152 Resp: 435275
Ion Ratio Lower Upper
152 100
115 59.0 65.5 196.6#
150 157.4 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 22.658 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

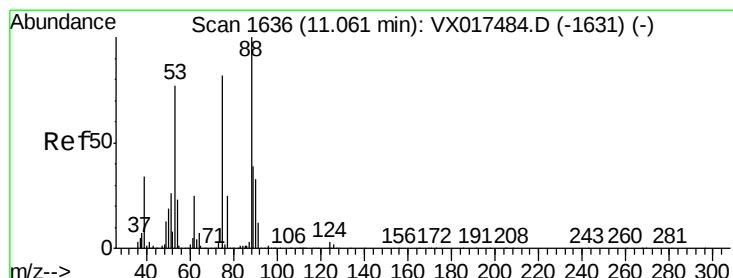
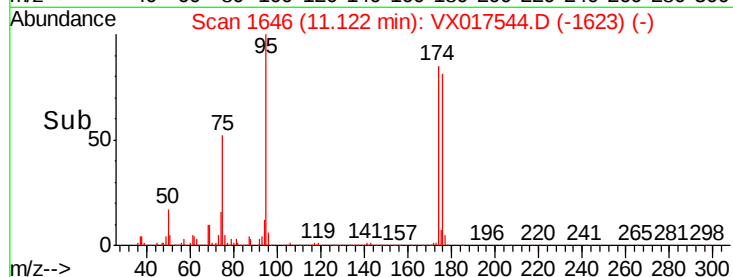
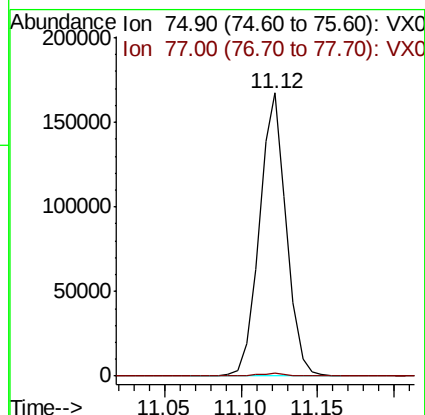
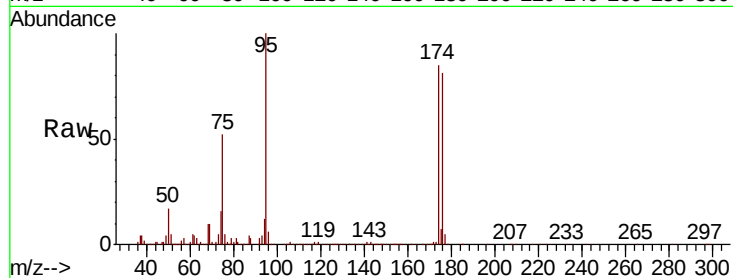
TB-01-200721

Tot Ion: 75 Resp: 202873

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.092 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

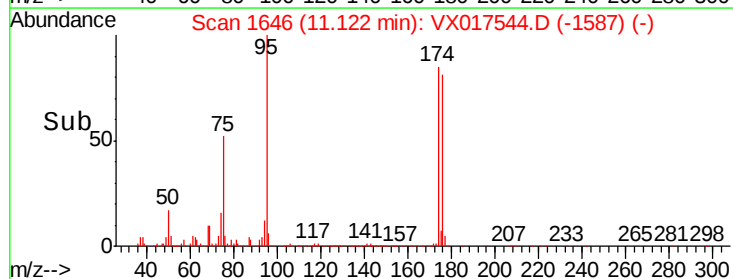
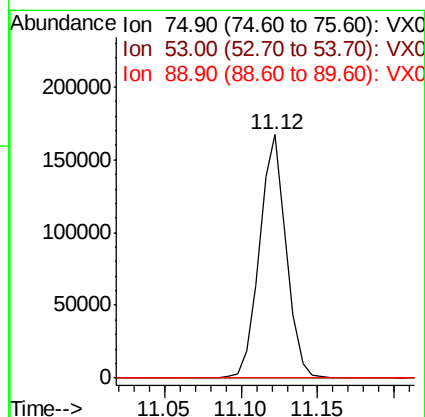
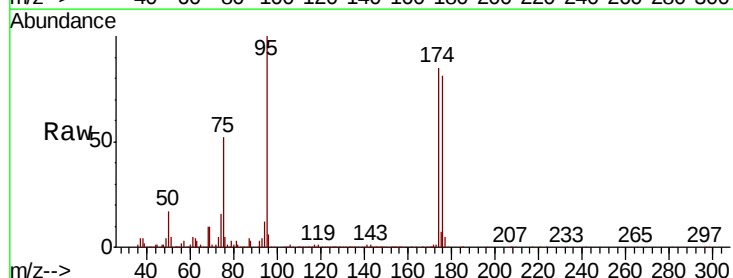
Tgt Ion: 75 Resp: 202873

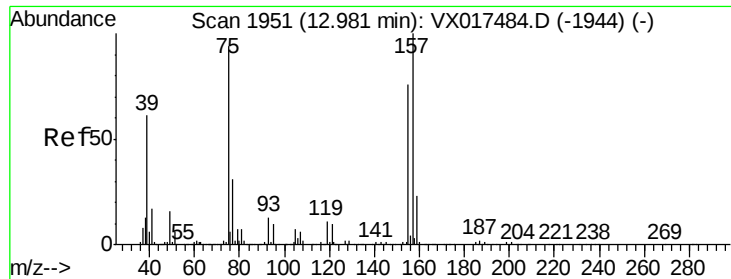
Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.673 ug/l

RT: 12.99 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VX017544.D

Acq: 24 Jul 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200721

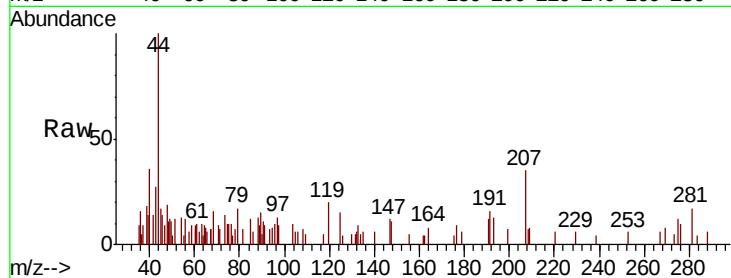
Tot Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

155 19.1 42.3 126.8#

157 49.1 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

