

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072420\
 Data File : VX017533.D
 Acq On : 24 Jul 2020 11:18
 Operator : JC/SP
 Sample : VX0724WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBL01

Quant Time: Jul 25 01:46:45 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

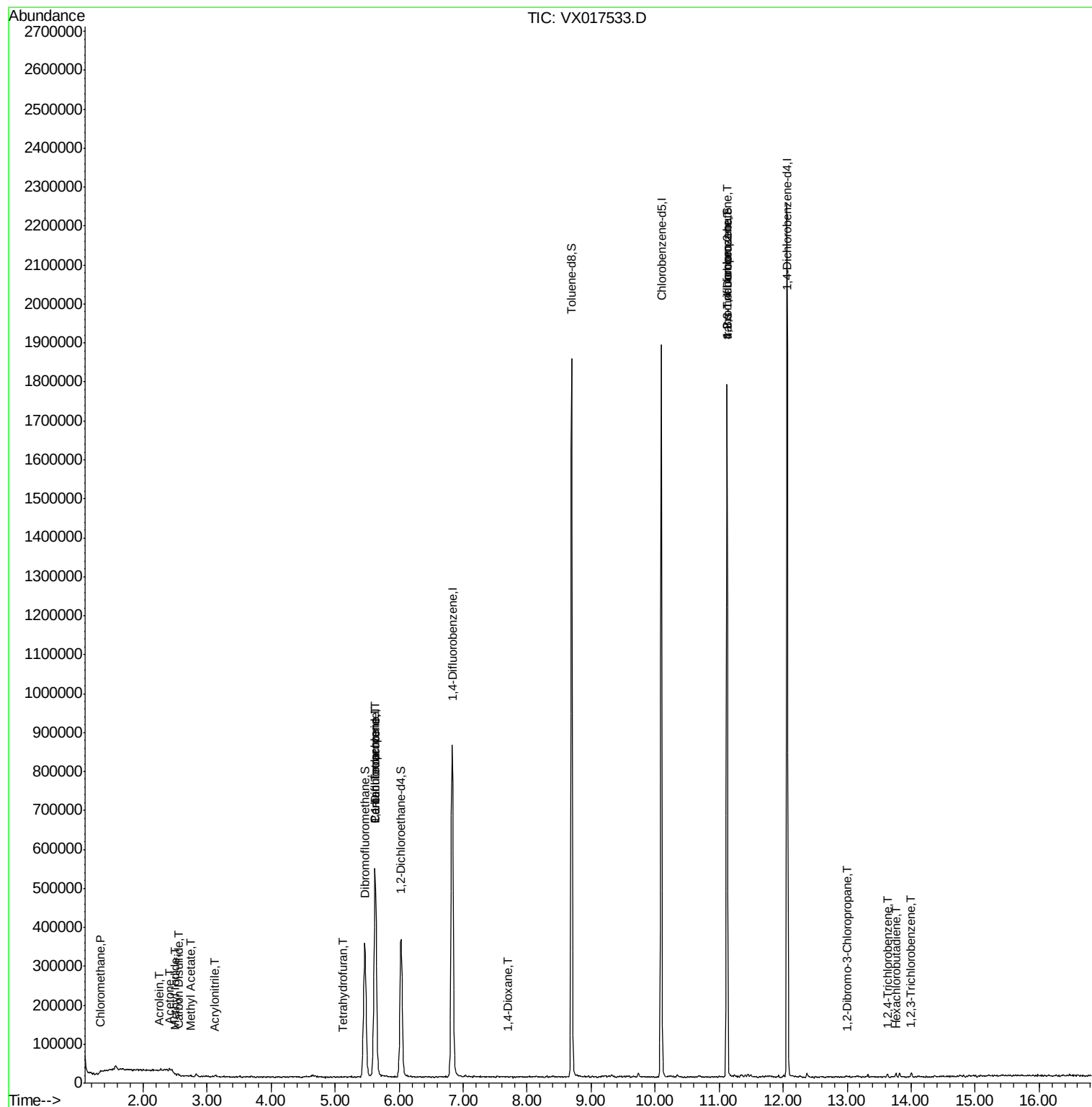
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	515279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	860655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	864875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	451106	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	356870	53.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.84%	
35) Dibromofluoromethane	5.46	113	296217	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
50) Toluene-d8	8.70	98	1060864	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.12	95	446517	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	189	Below Cal	#	42
3) Chloromethane	1.32	50	1847	0.655 ug/l	#	45
5) Bromomethane	1.61	94	318	Below Cal		85
6) Chloroethane	1.69	64	35	Below Cal	#	63
8) Diethyl Ether	2.11	74	298	Below Cal		59
10) Methyl Iodide	2.50	142	2989	0.417 ug/l		90
13) Acrolein	2.26	56	1034	5.103 ug/l	#	1
15) Acrylonitrile	3.12	53	1362	0.452 ug/l	#	66
16) Acetone	2.41	43	642	0.220 ug/l	#	55
17) Carbon Disulfide	2.55	76	4165	0.257 ug/l	#	80
18) Methyl Acetate	2.75	43	2033	0.296 ug/l	#	44
20) Methylene Chloride	2.82	84	3480	Below Cal	#	66
29) Tetrahydrofuran	5.12	42	717	0.280 ug/l		91
36) 1,1-Dichloropropene	5.62	75	39492	4.784 ug/l	#	51
38) Carbon Tetrachloride	5.63	117	50090	4.997 ug/l	#	18
49) 1,4-Dioxane	7.70	88	154	1.087 ug/l	#	22
76) 1,2,3-Trichloropropane	11.12	75	223868	24.125 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.12	75	223868	60.790 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	452	2.734 ug/l		67
93) 1,2,4-Trichlorobenzene	13.63	180	2303	0.231 ug/l		84
94) Hexachlorobutadiene	13.76	225	1334	0.290 ug/l		88
96) 1,2,3-Trichlorobenzene	14.00	180	2177	0.221 ug/l	#	81

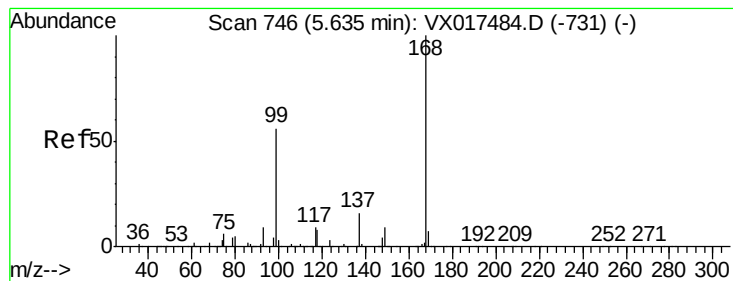
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0724WBL01

Quant Time: Jul 25 01:46:45 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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampleId :

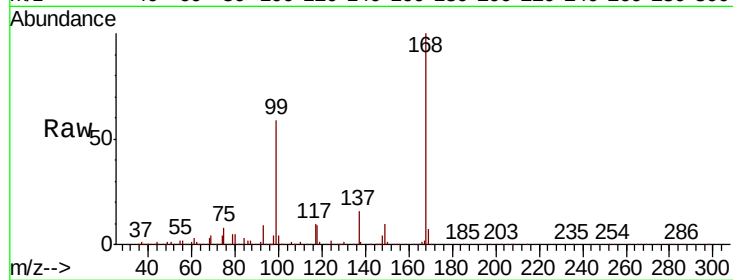
VX0724WBL01

Tot Ion:168 Resp: 515279

Ion Ratio Lower Upper

168 100

99 59.1 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

200000

150000

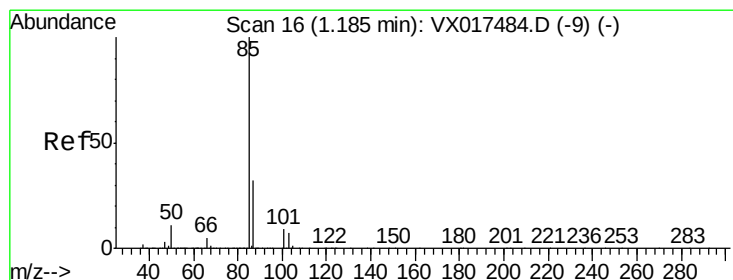
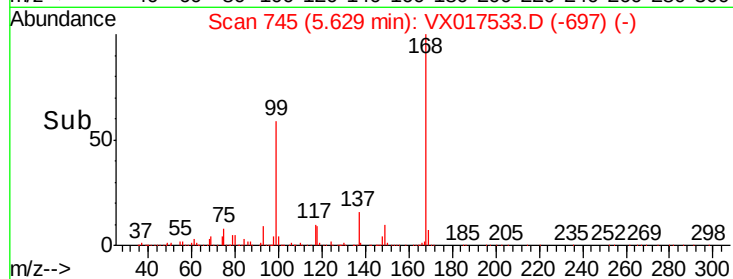
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017533.D

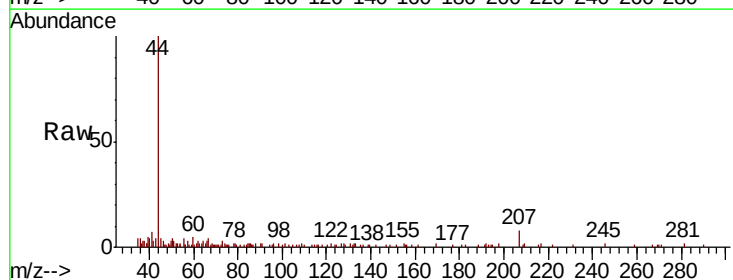
Acq: 24 Jul 2020 11:18

Tgt Ion: 85 Resp: 189

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

1.18

500

400

300

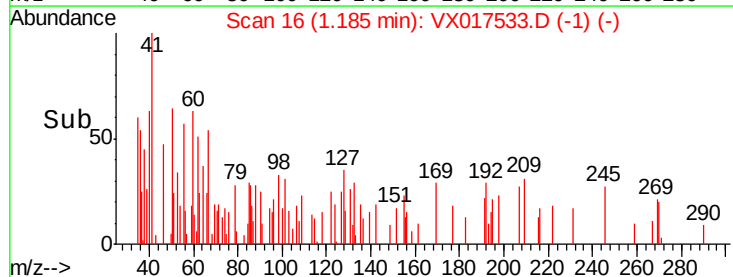
200

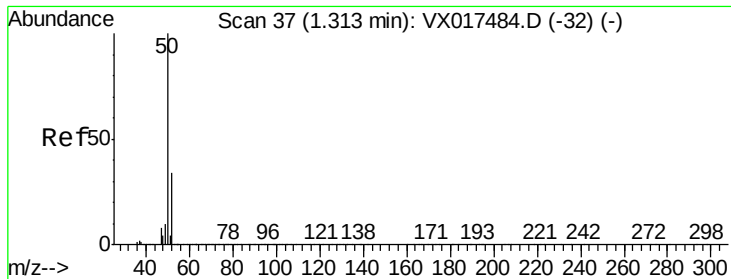
100

0

Time-->

1.16 1.18 1.20





#3

Chloromethane

Concen: 0.655 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampleId :

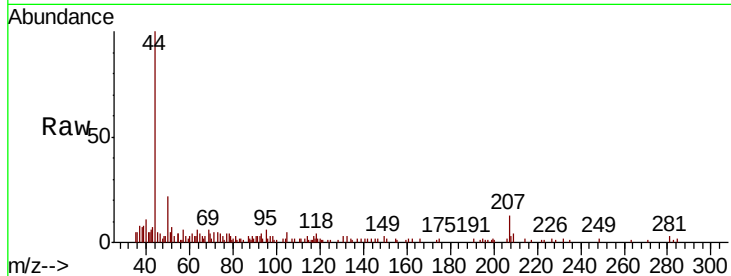
VX0724WBL01

Tot Ion: 50 Resp: 1847

Ion Ratio Lower Upper

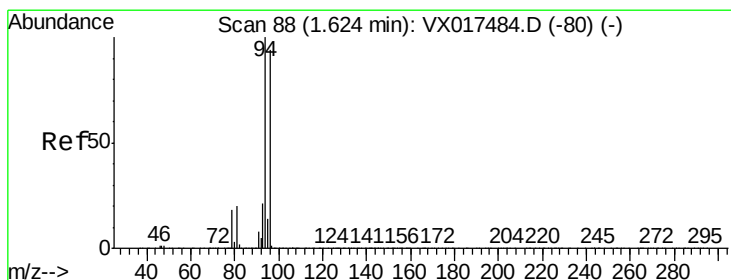
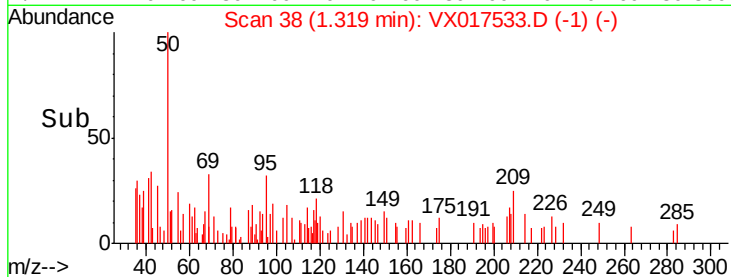
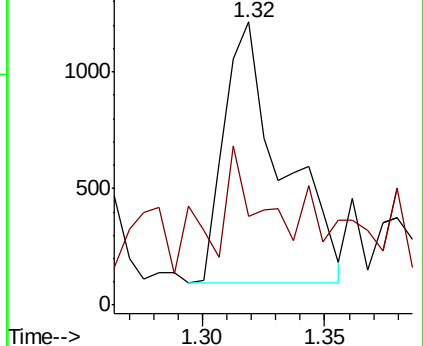
50 100

52 1.5 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: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017533.D

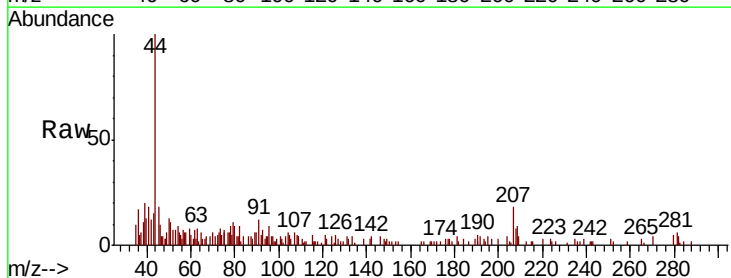
Acq: 24 Jul 2020 11:18

Tgt Ion: 94 Resp: 318

Ion Ratio Lower Upper

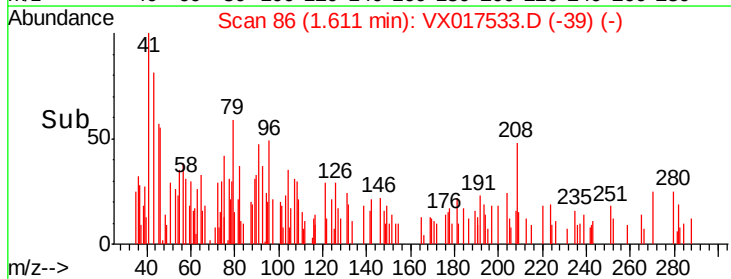
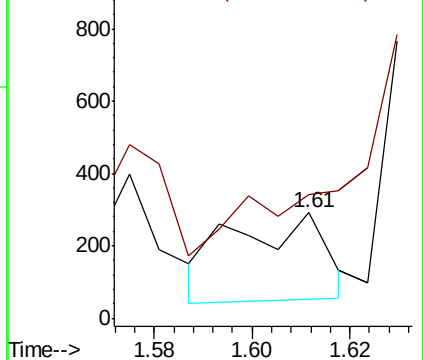
94 100

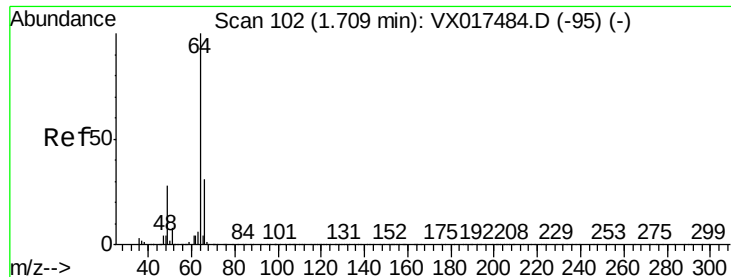
96 106.9 74.1 111.1



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: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampleId :

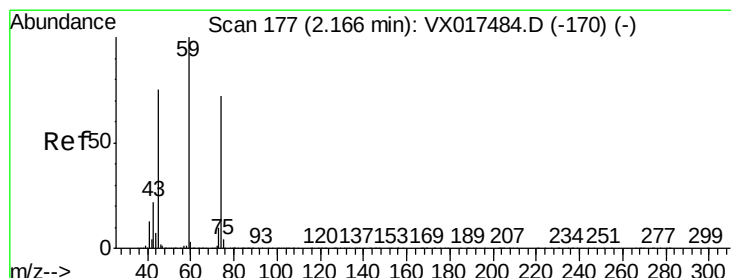
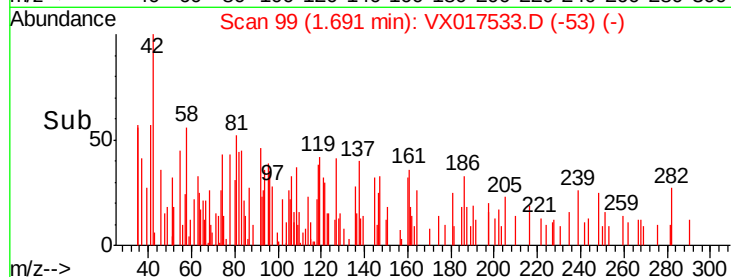
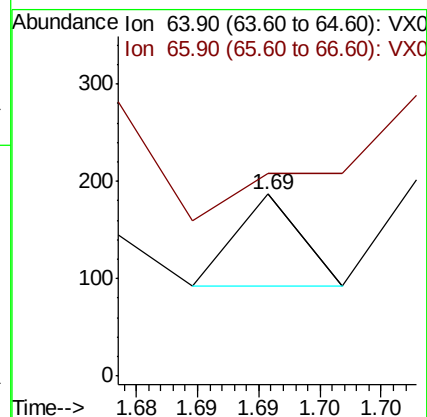
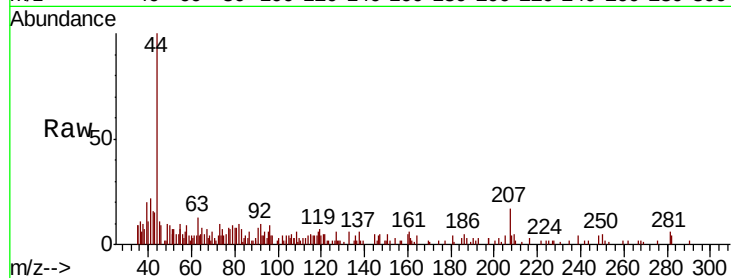
VX0724WBL01

Tot Ion: 64 Resp: 35

Ion Ratio Lower Upper

64 100

66 51.6 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.11 min Scan# 167

Delta R.T. -0.06 min

Lab File: VX017533.D

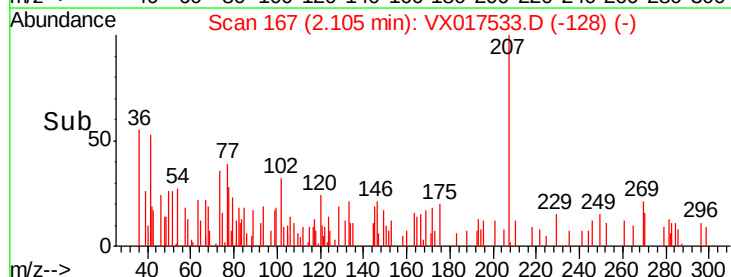
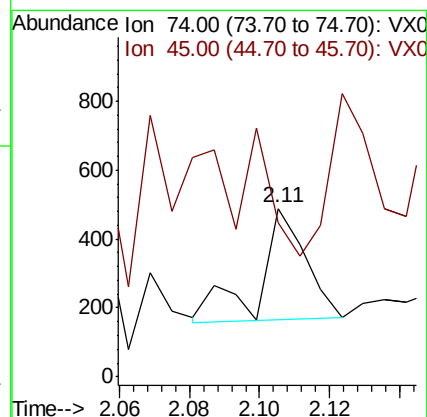
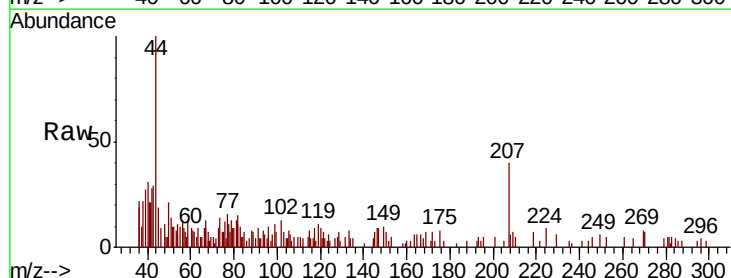
Acq: 24 Jul 2020 11:18

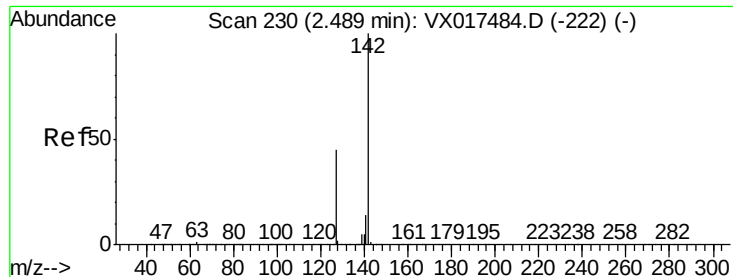
Tgt Ion: 74 Resp: 298

Ion Ratio Lower Upper

74 100

45 142.6 50.8 152.5

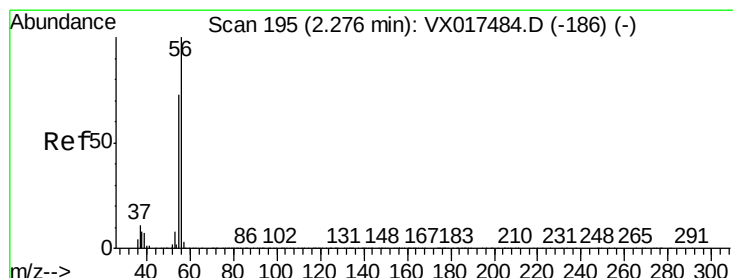
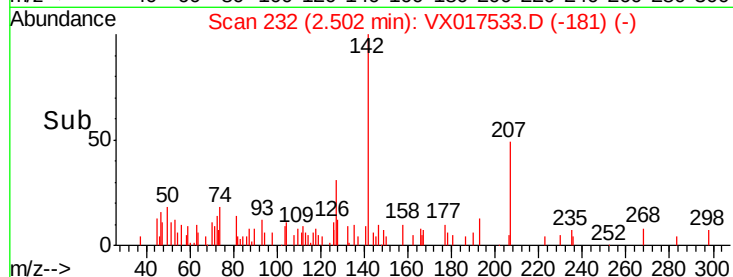
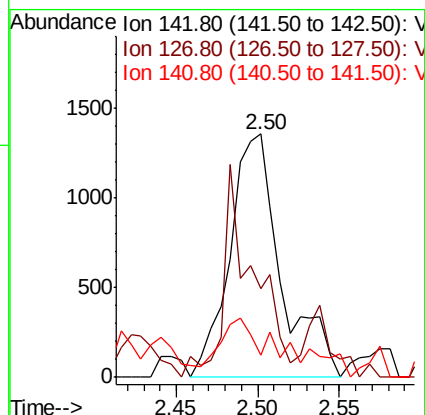
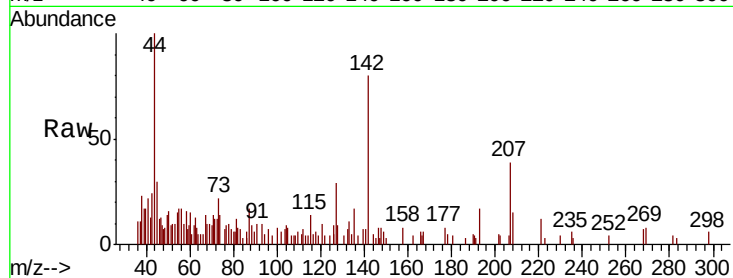




#10
Methyl Iodide
Concen: 0.417 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX017533.D
Acq: 24 Jul 2020 11:18

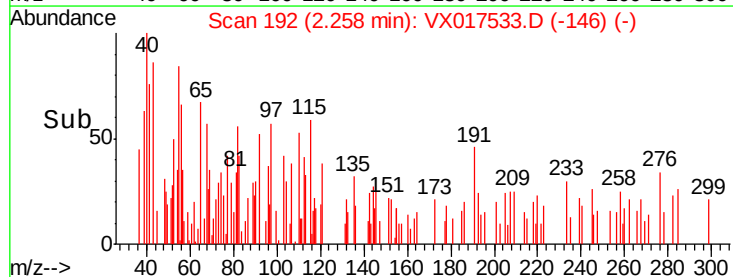
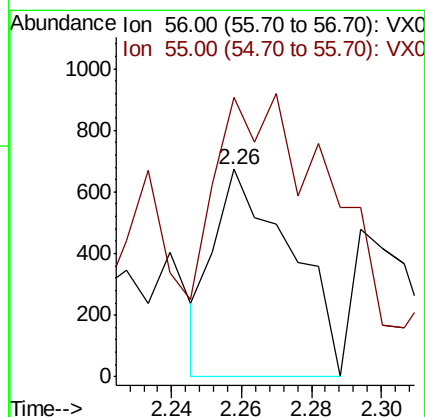
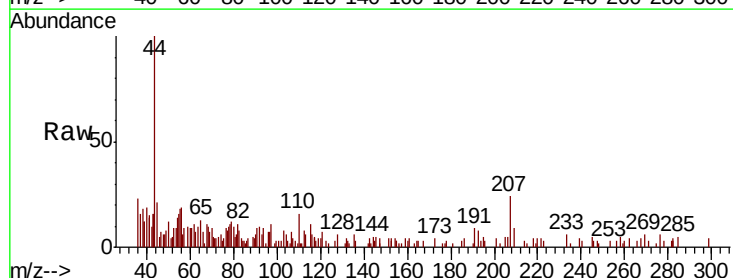
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

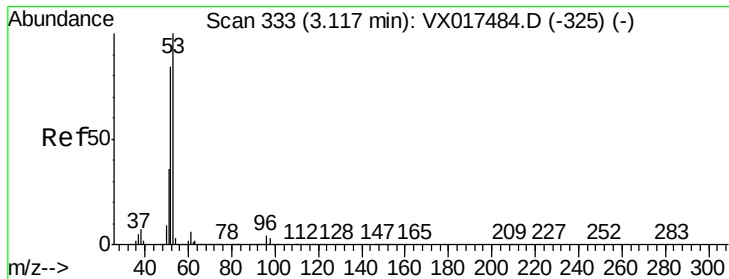
Tot Ion:142 Resp: 2989
Ion Ratio Lower Upper
142 100
127 51.9 35.9 53.9
141 11.5 11.4 17.0



#13
Acrolein
Concen: 5.103 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX017533.D
Acq: 24 Jul 2020 11:18

Tgt Ion: 56 Resp: 1034
Ion Ratio Lower Upper
56 100
55 155.3 57.4 86.2#





#15

Acrylonitrile

Concen: 0.452 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampled :

VX0724WBL01

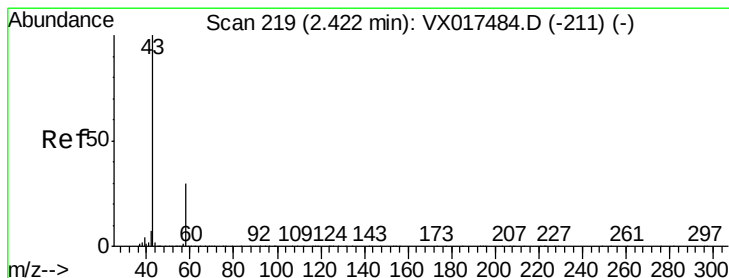
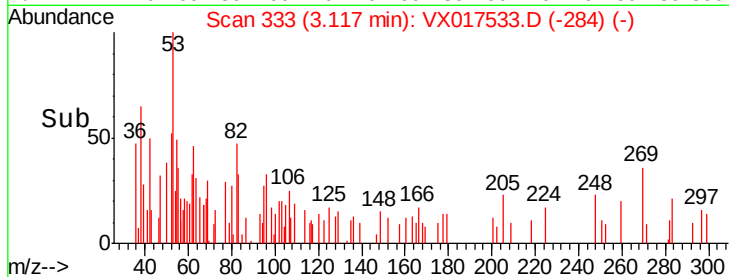
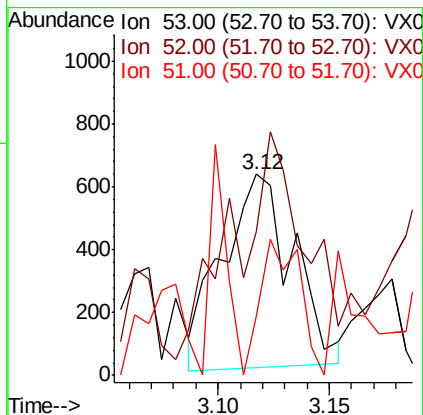
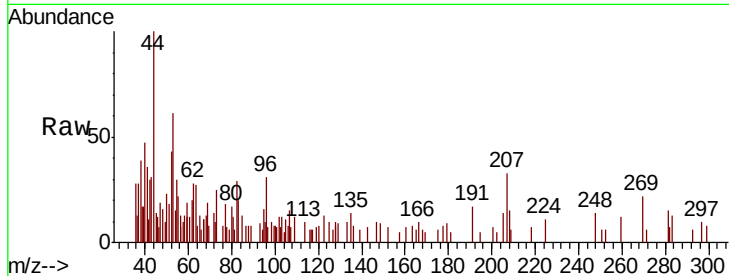
Tot Ion: 53 Resp: 1362

Ion Ratio Lower Upper

53 100

52 125.6 66.6 99.8#

51 38.9 29.4 44.2



#16

Acetone

Concen: 0.220 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017533.D

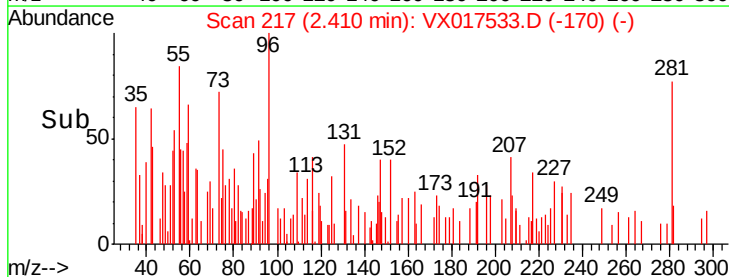
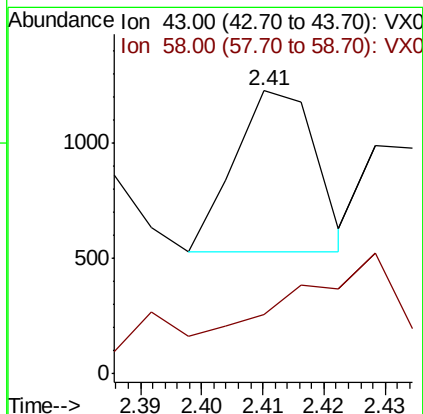
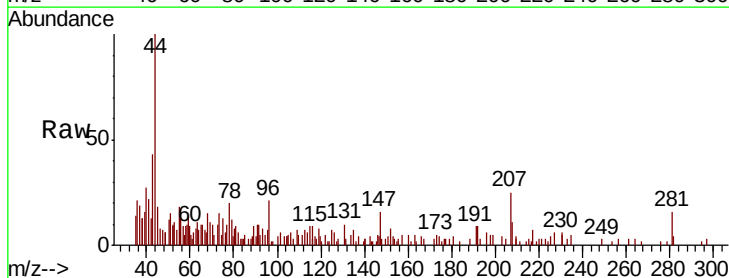
Acq: 24 Jul 2020 11:18

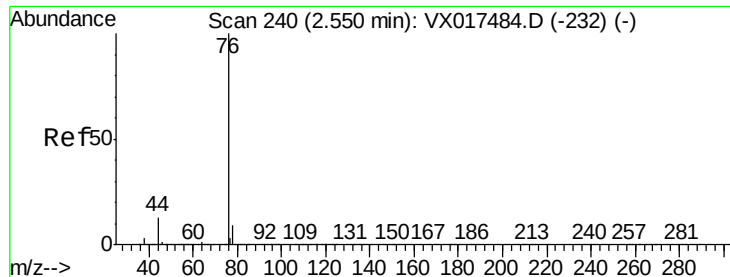
Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

58 54.7 24.2 36.4#





#17

Carbon Disulfide

Concen: 0.257 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampled :

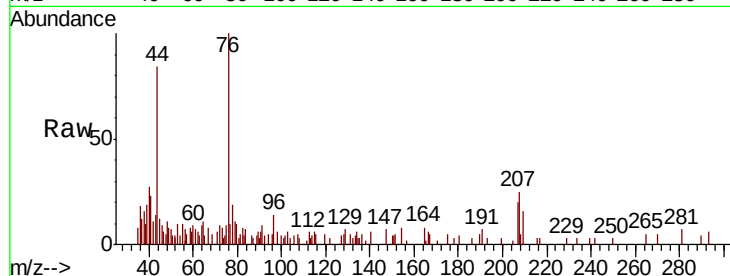
VX0724WBL01

Tot Ion: 76 Resp: 4165

Ion Ratio Lower Upper

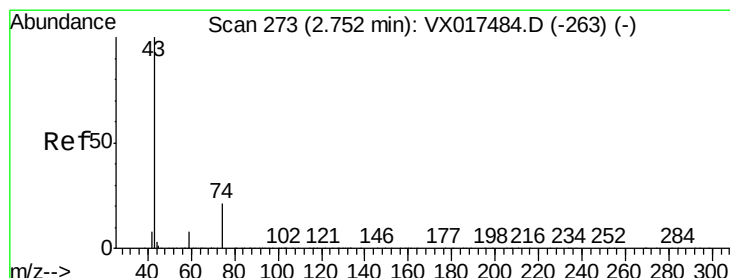
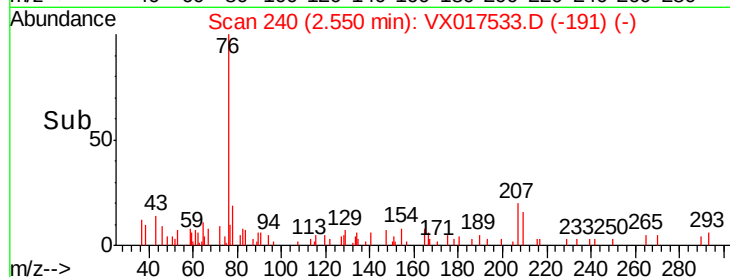
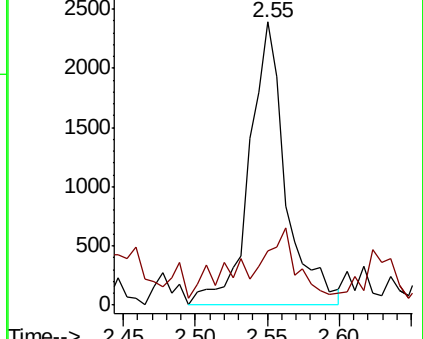
76 100

78 16.6 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.296 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017533.D

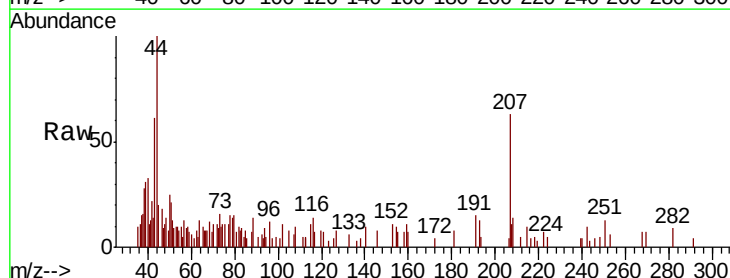
Acq: 24 Jul 2020 11:18

Tgt Ion: 43 Resp: 2033

Ion Ratio Lower Upper

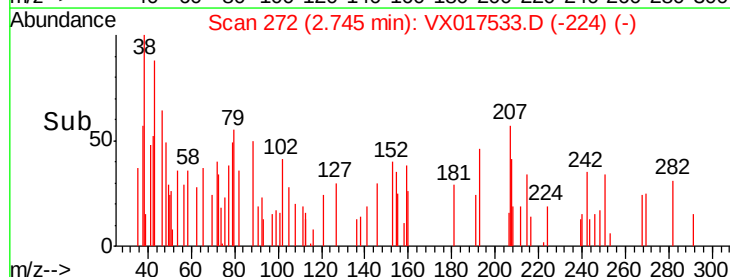
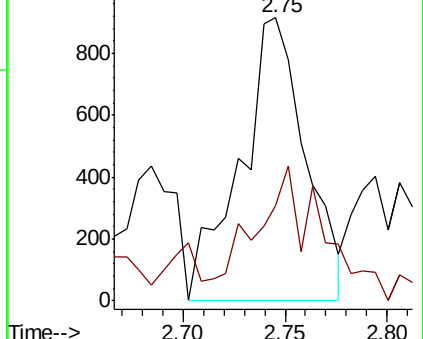
43 100

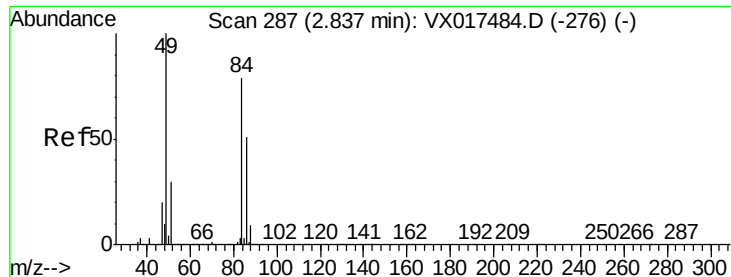
74 48.6 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

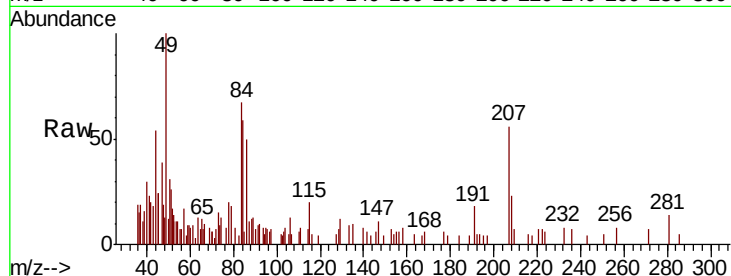




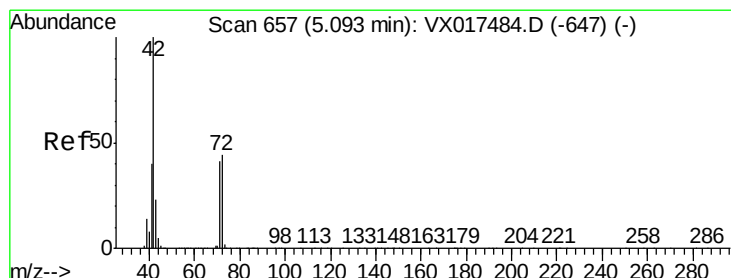
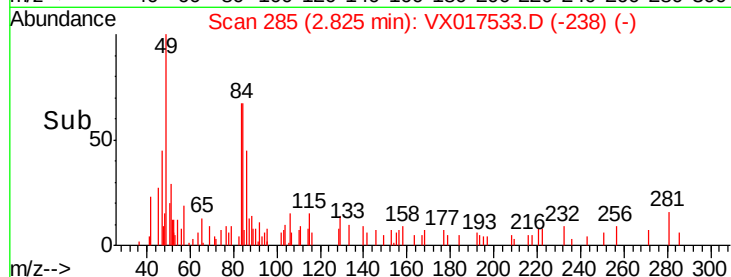
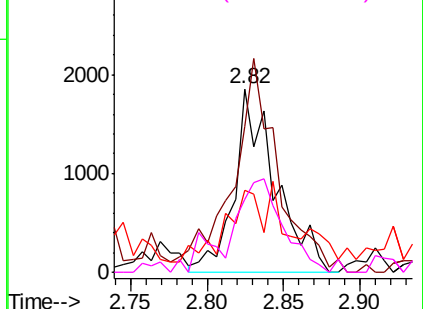
#20
Methylene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX017533.D
Acq: 24 Jul 2020 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

Tot Ion: 84 Resp: 3480
Ion Ratio Lower Upper
84 100
49 72.7 100.3 150.5#
51 37.5 30.5 45.7
86 39.9 51.1 76.7#

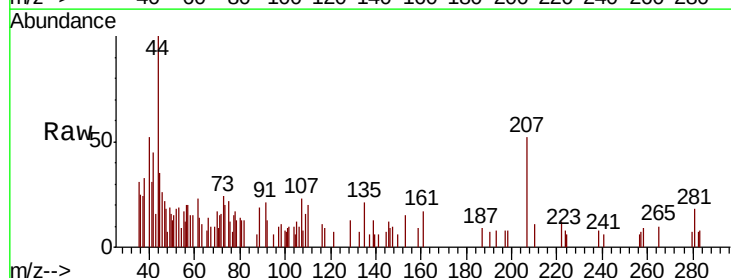


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

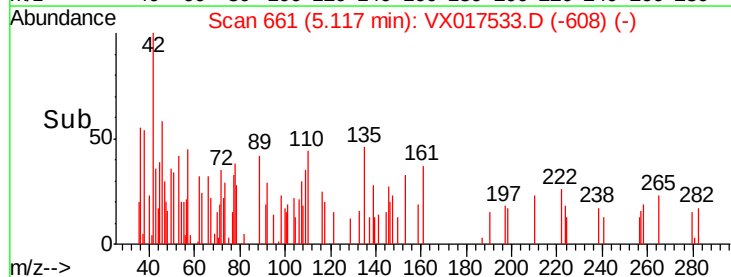
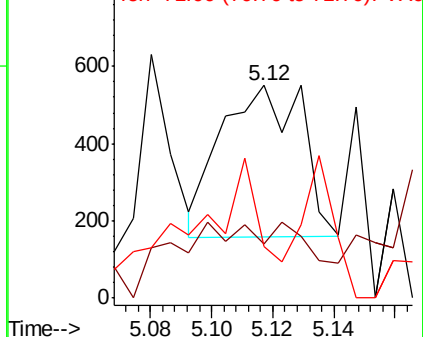


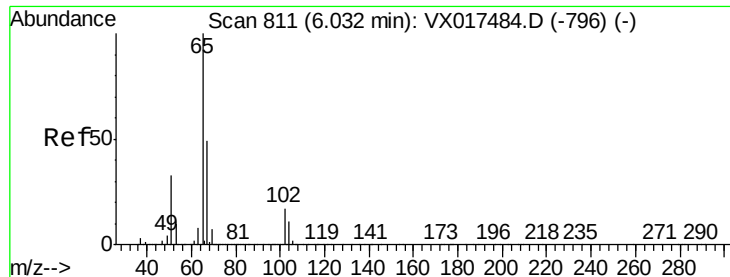
#29
Tetrahydrofuran
Concen: 0.280 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX017533.D
Acq: 24 Jul 2020 11:18

Tgt Ion: 42 Resp: 717
Ion Ratio Lower Upper
42 100
72 37.4 35.5 53.3
71 46.2 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

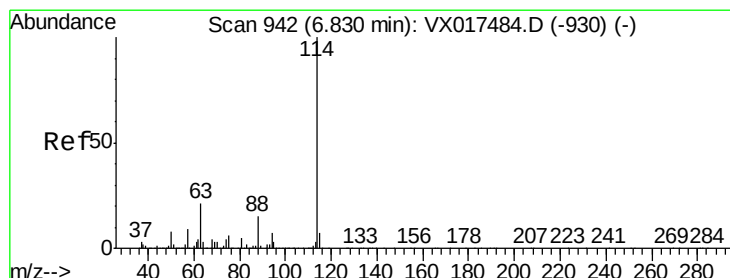
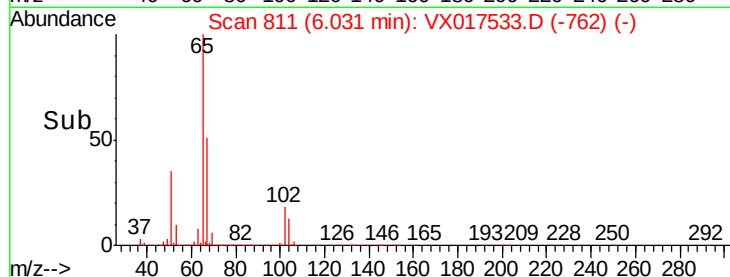
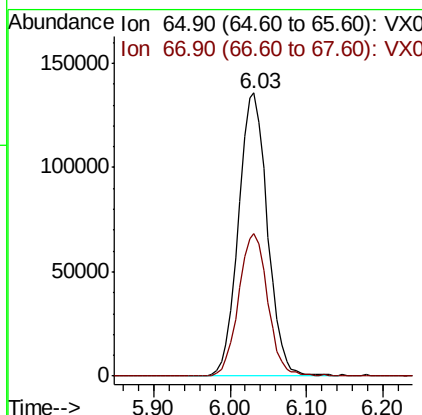
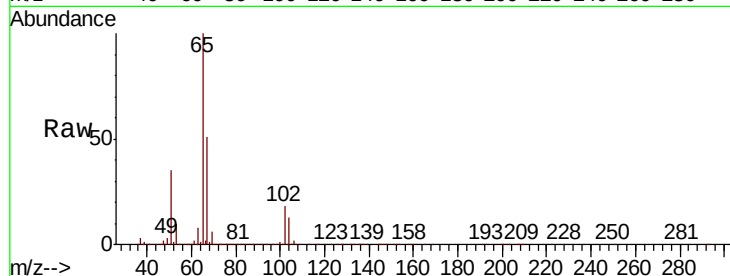




#33
 1,2-Dichloroethane-d4
 Concen: 53.916 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017533.D
 Acq: 24 Jul 2020 11:18

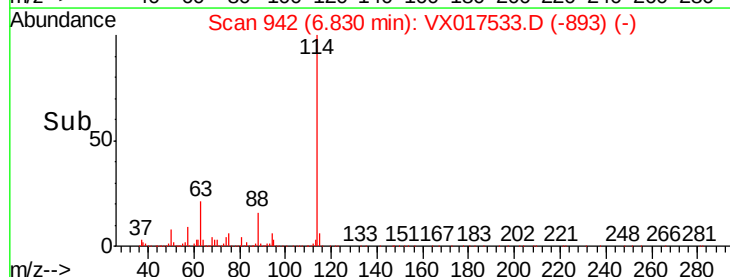
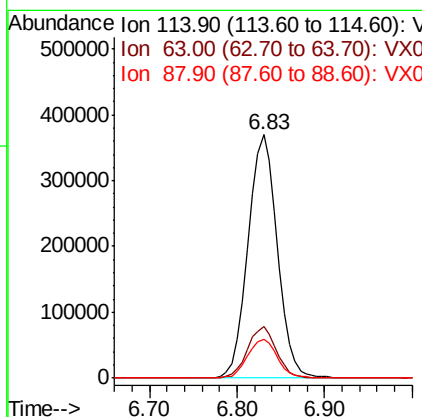
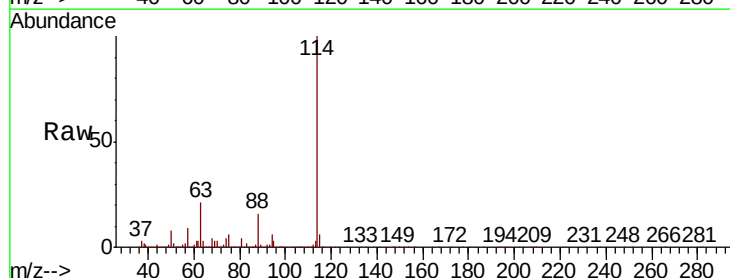
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBL01

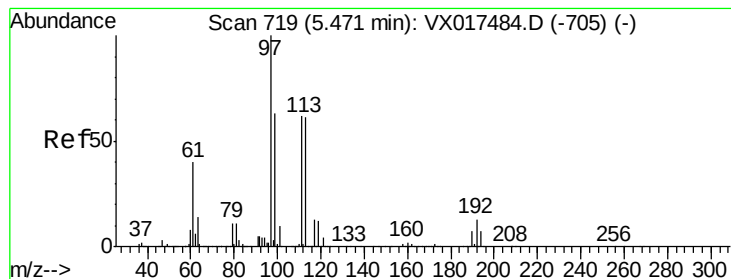
Tot Ion: 65 Resp: 356870
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017533.D
 Acq: 24 Jul 2020 11:18

Tgt Ion: 114 Resp: 860655
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.6
 88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampled :

VX0724WBL01

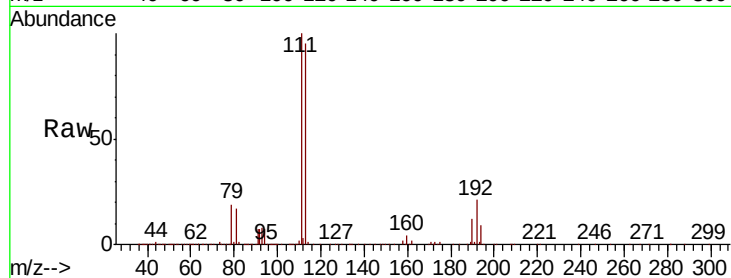
Tot Ion:113 Resp: 296217

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

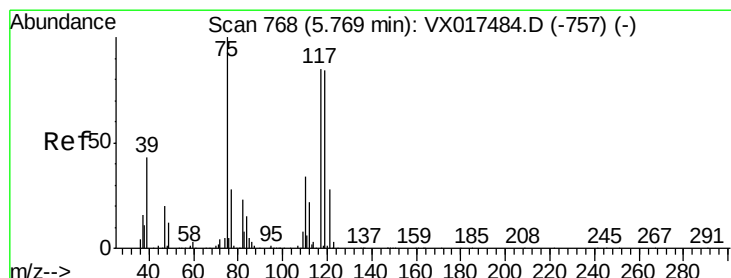
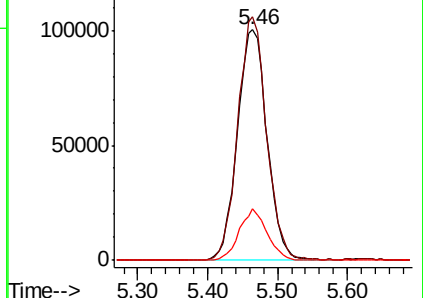
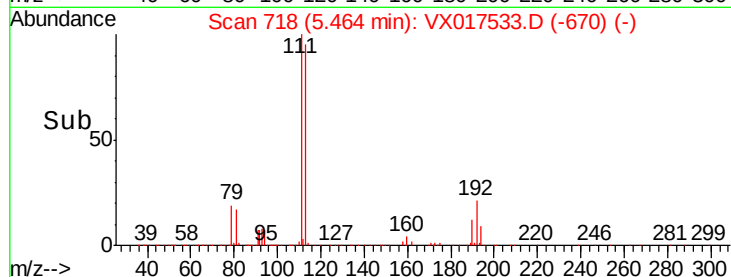
192 21.0 16.9 25.3



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: 4.784 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

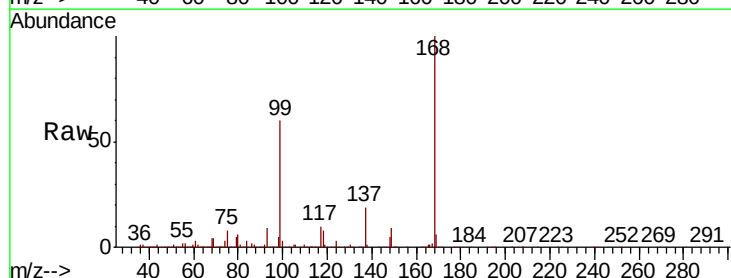
Tgt Ion: 75 Resp: 39492

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.3#

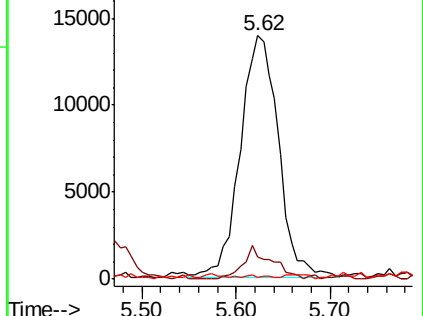
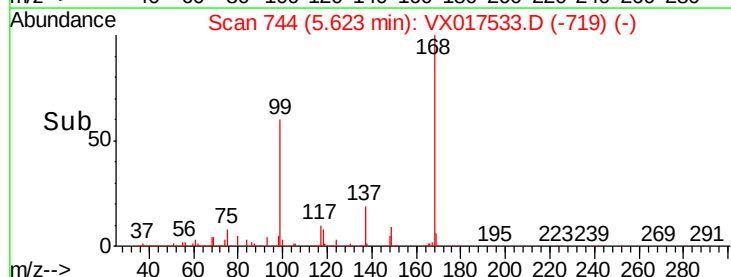
77 0.4 24.6 37.0#

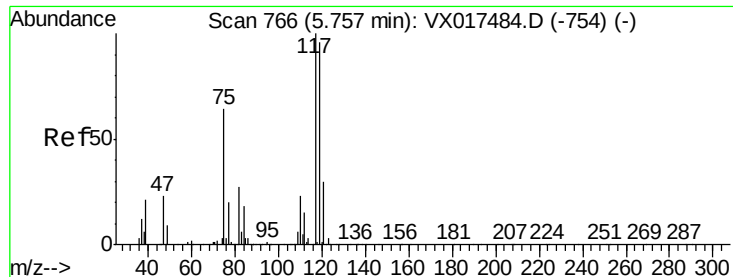


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.997 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBL01

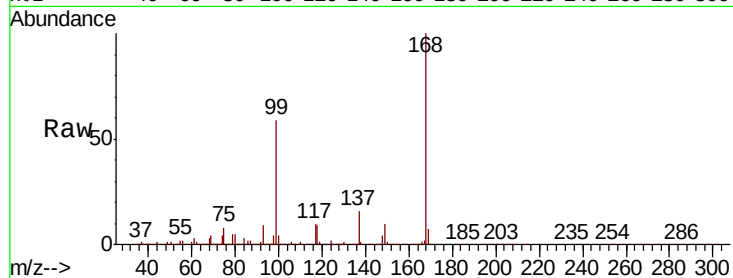
Tot Ion:117 Resp: 50090

Ion Ratio Lower Upper

117 100

119 6.7 75.4 113.0#

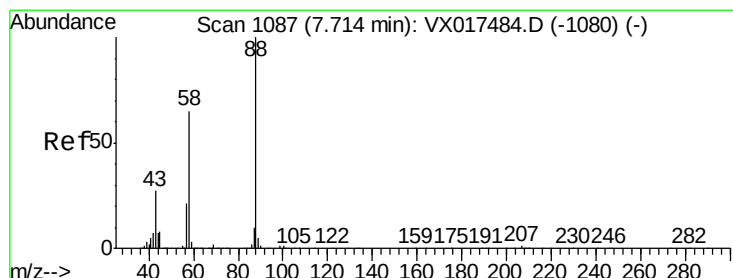
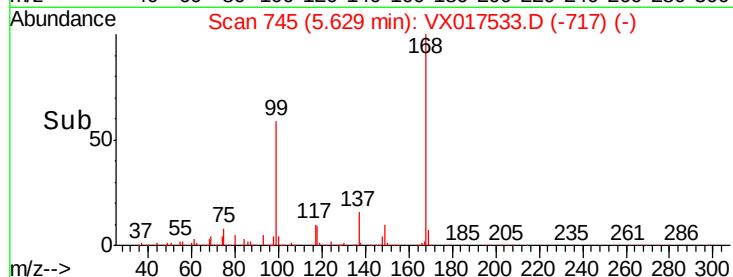
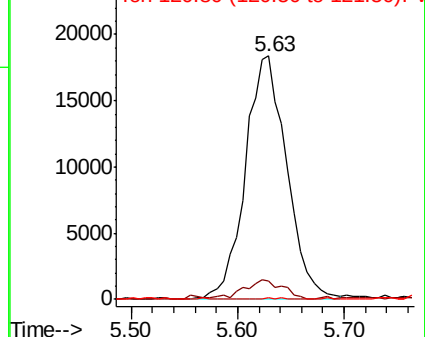
121 0.7 24.3 36.5#



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: 1.087 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

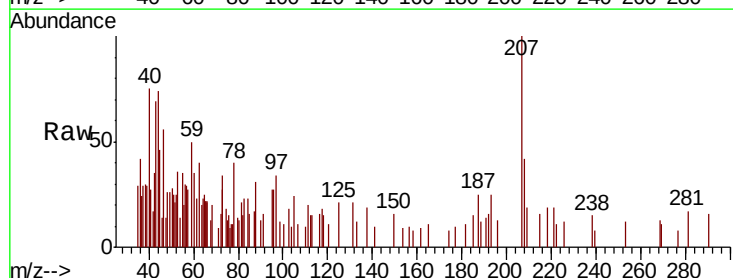
Tgt Ion: 88 Resp: 154

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

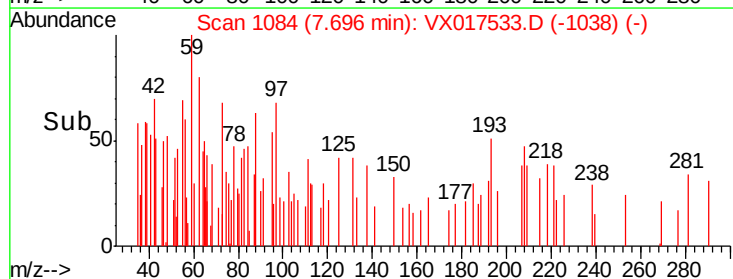
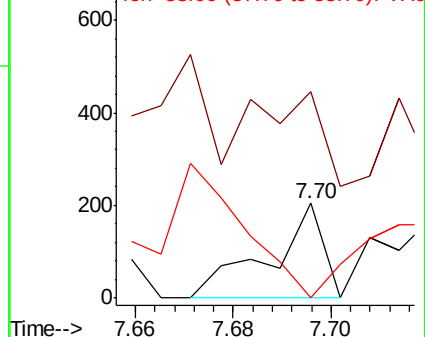
58 0.0 58.3 87.5#

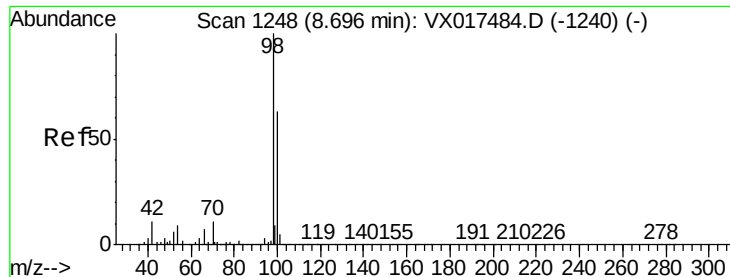


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.089 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampleId :

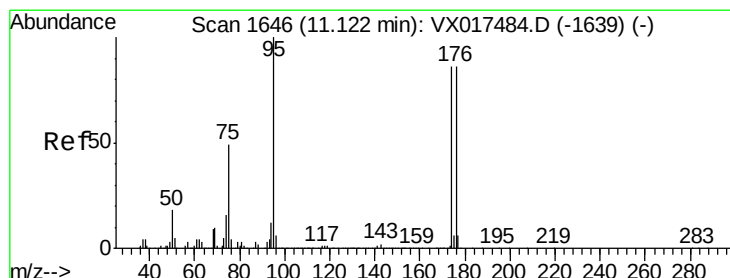
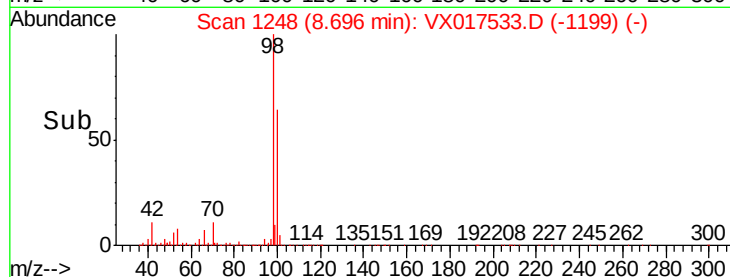
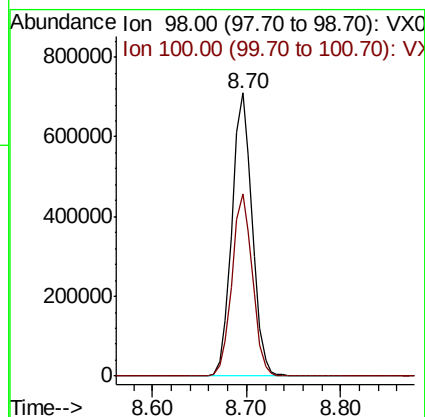
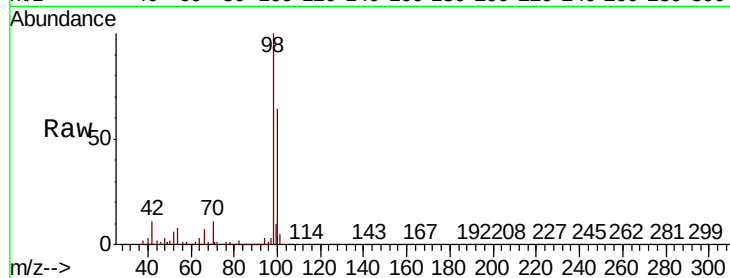
VX0724WBL01

Tot Ion: 98 Resp: 1060864

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 53.731 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

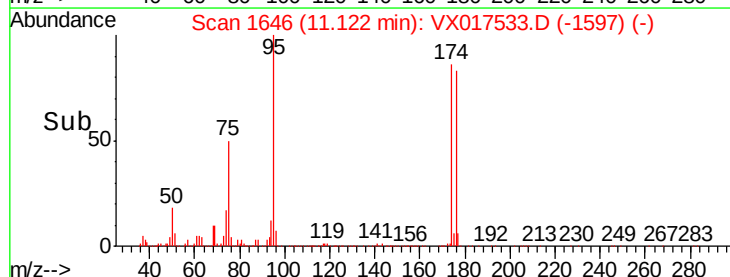
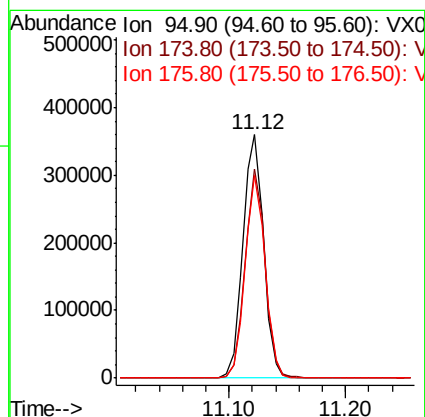
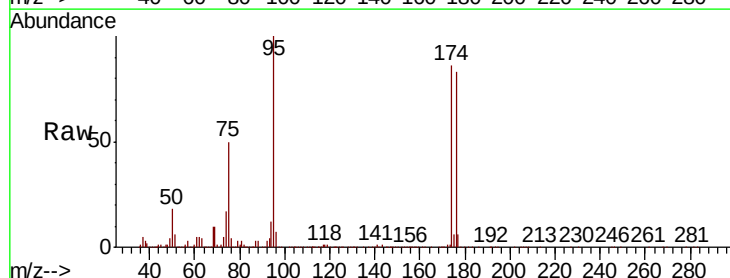
Tgt Ion: 95 Resp: 446517

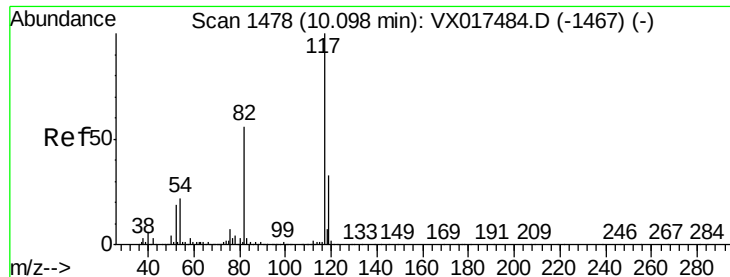
Ion Ratio Lower Upper

95 100

174 83.2 0.0 169.0

176 81.1 0.0 161.0

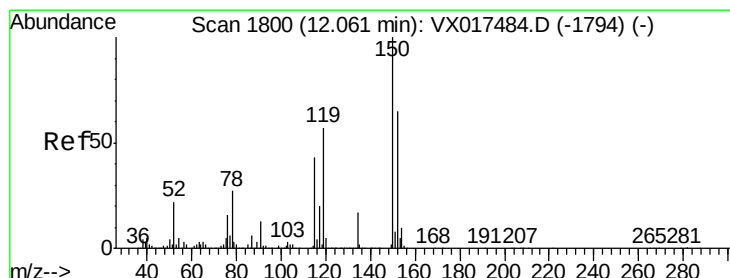
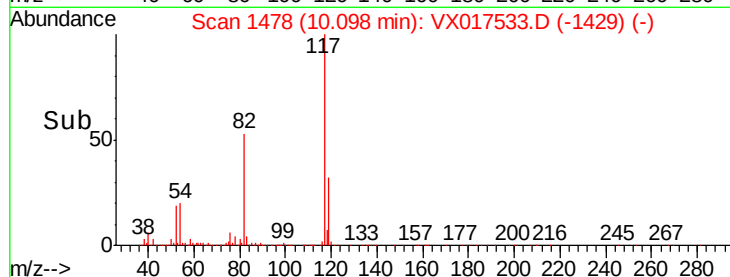
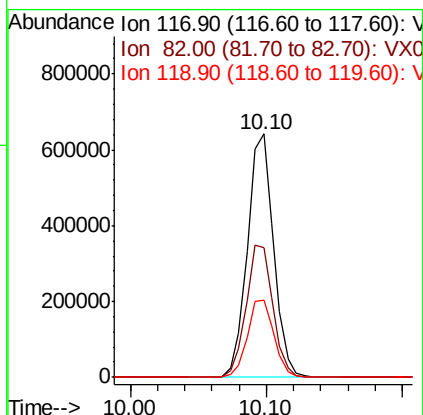
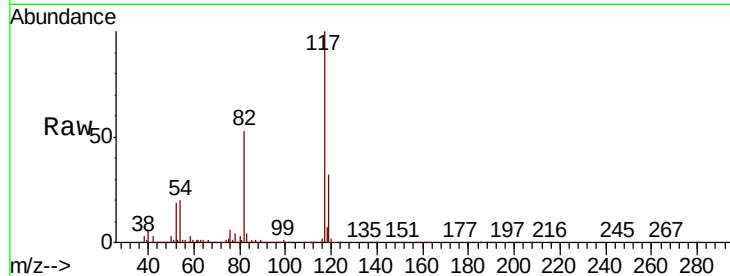




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017533.D
Acq: 24 Jul 2020 11:18

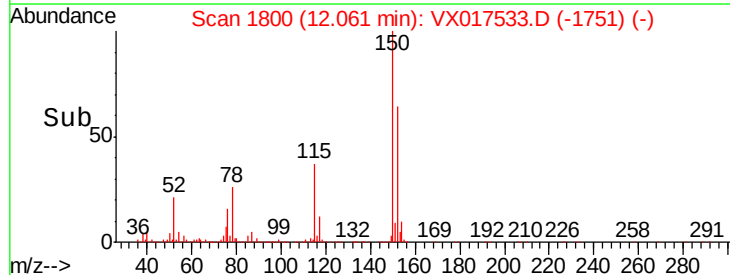
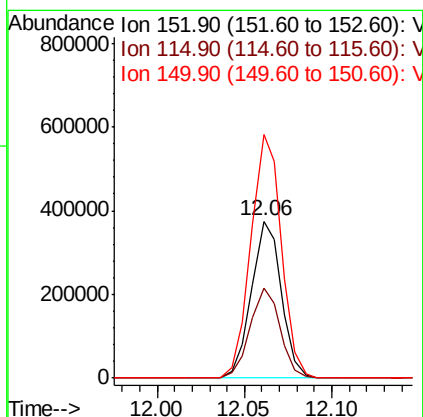
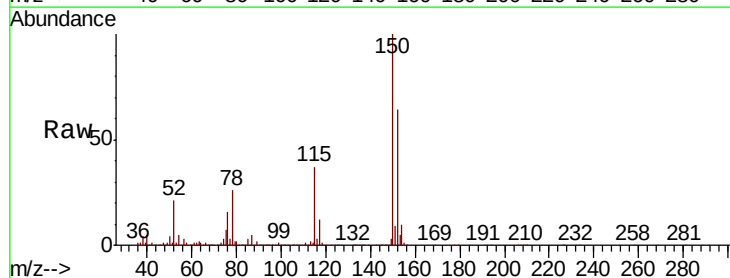
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

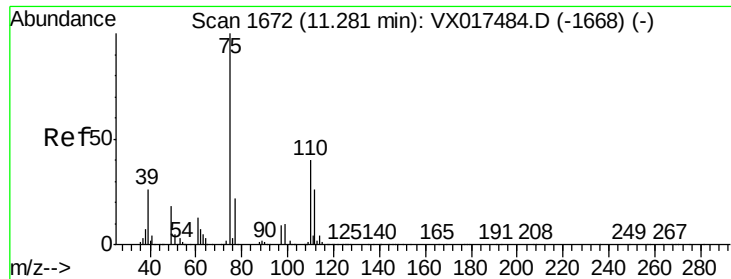
Tot Ion:117 Resp: 864875
Ion Ratio Lower Upper
117 100
82 53.3 44.0 66.0
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017533.D
Acq: 24 Jul 2020 11:18

Tgt Ion:152 Resp: 451106
Ion Ratio Lower Upper
152 100
115 57.3 65.5 196.6#
150 157.6 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 24.125 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampleId :

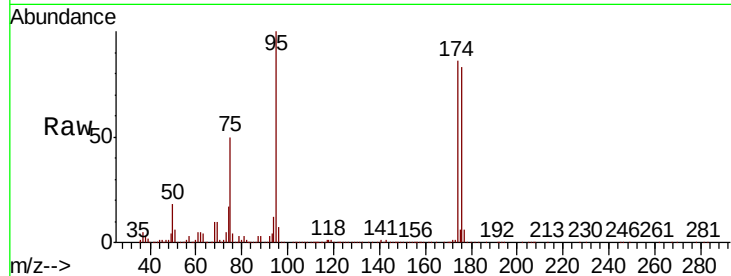
VX0724WBL01

Tot Ion: 75 Resp: 223868

Ion Ratio Lower Upper

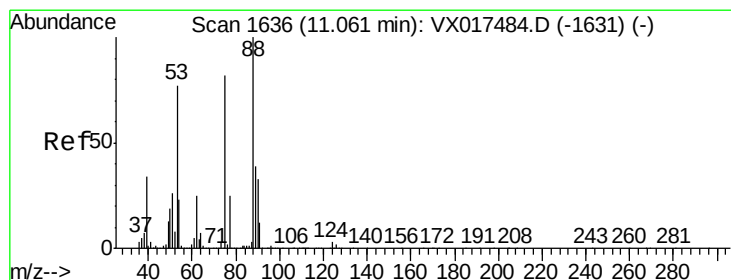
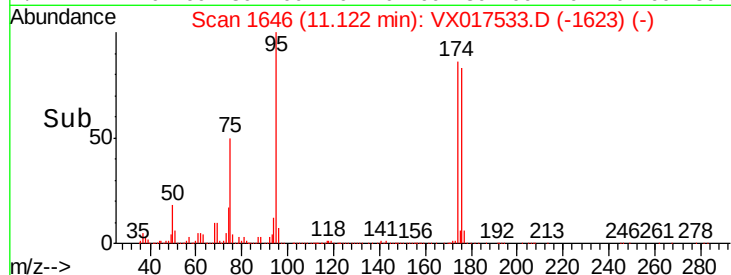
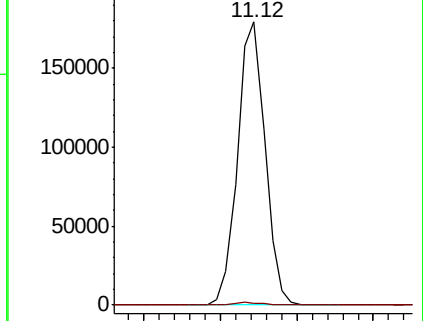
75 100

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: 60.790 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

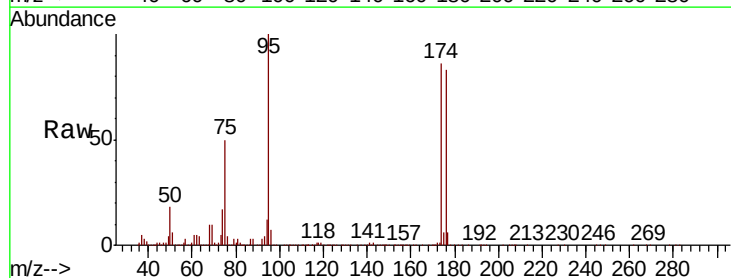
Tgt Ion: 75 Resp: 223868

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

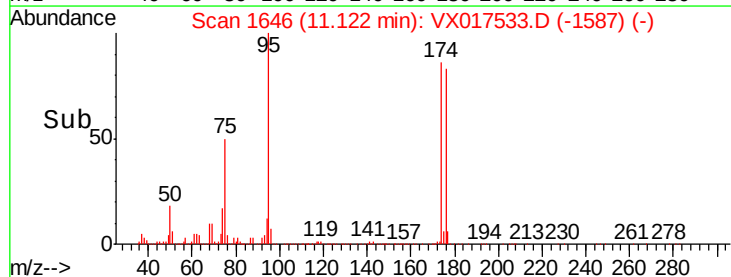
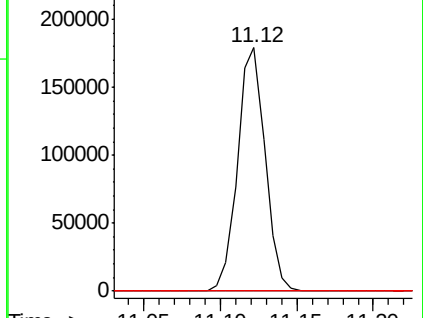
89 0.0 37.8 56.6#

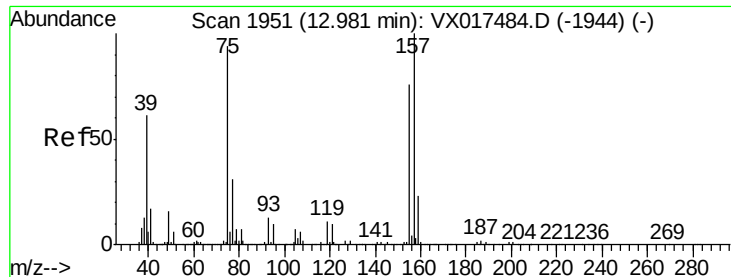


Abundance Ion 74.90 (74.60 to 75.60): VX0

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: 2.734 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBL01

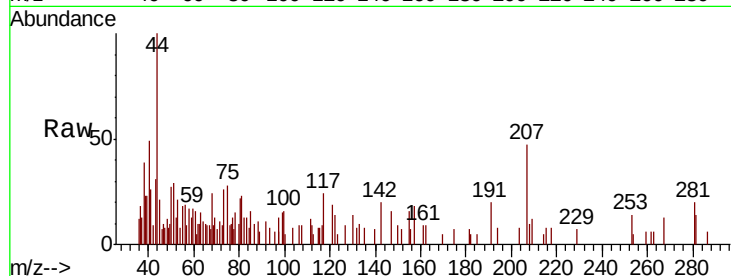
Tot Ion: 75 Resp: 452

Ion Ratio Lower Upper

75 100

155 64.2 42.3 126.8

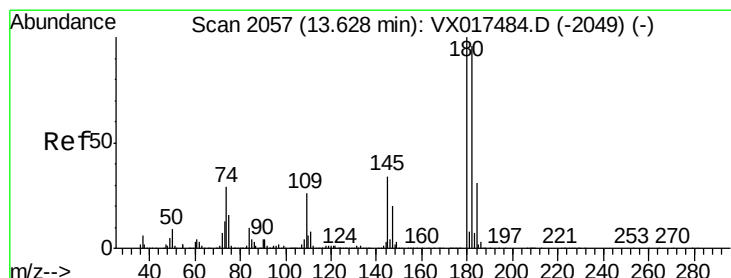
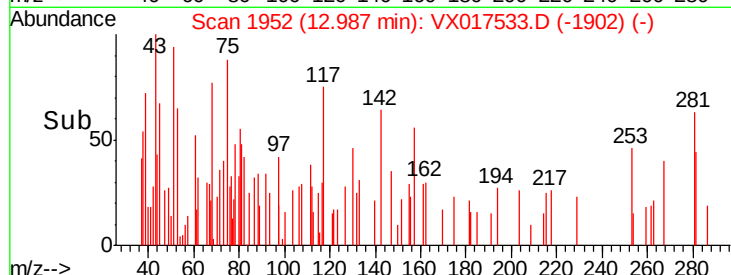
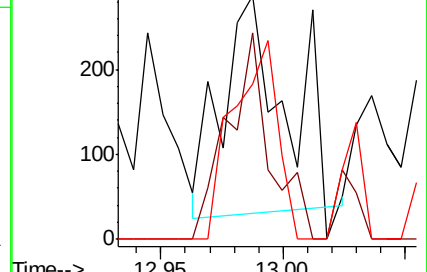
157 65.9 54.3 162.9



Abundance Ion 74.90 (74.60 to 75.60): VX017533.D (-1902) (-)

Ion 154.80 (154.50 to 155.50): VX017533.D (-1902) (-)

Ion 156.80 (156.50 to 157.50): VX017533.D (-1902) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.231 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

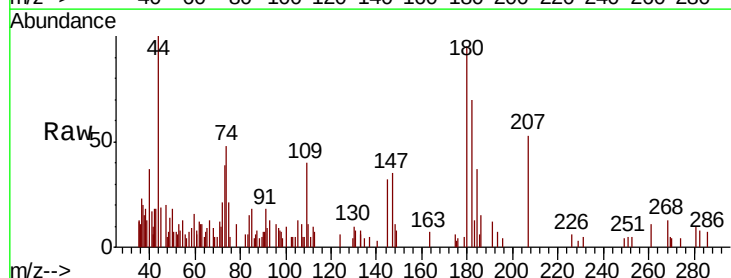
Tgt Ion: 180 Resp: 2303

Ion Ratio Lower Upper

180 100

182 82.8 47.5 142.6

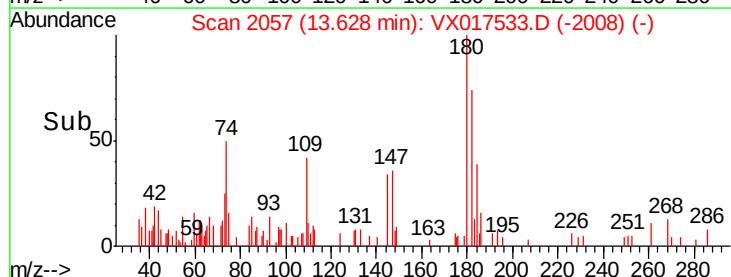
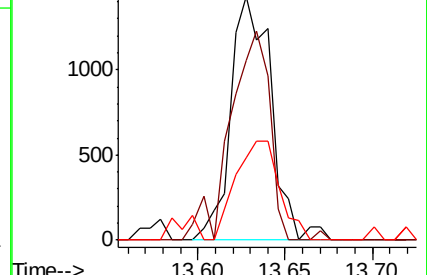
145 44.4 15.4 46.4

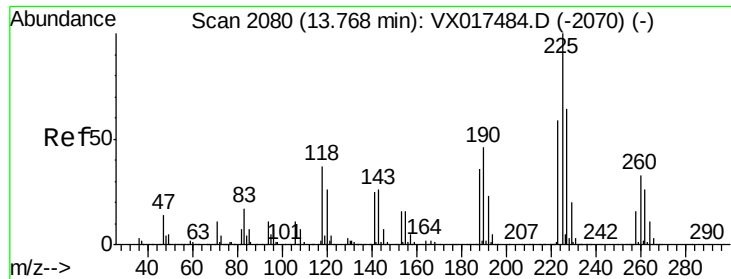


Abundance Ion 179.80 (179.50 to 180.50): VX017533.D (-2008) (-)

Ion 181.80 (181.50 to 182.50): VX017533.D (-2008) (-)

Ion 144.80 (144.50 to 145.50): VX017533.D (-2008) (-)





#94

Hexachlorobutadiene

Concen: 0.290 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

Instrument :

MSVOA_X

ClientSampled :

VX0724WBL01

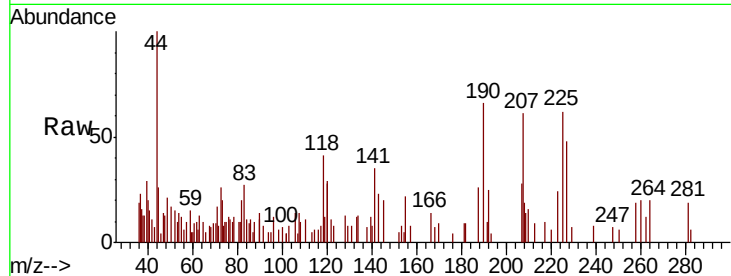
Tot Ion:225 Resp: 1334

Ion Ratio Lower Upper

225 100

223 53.4 30.3 90.9

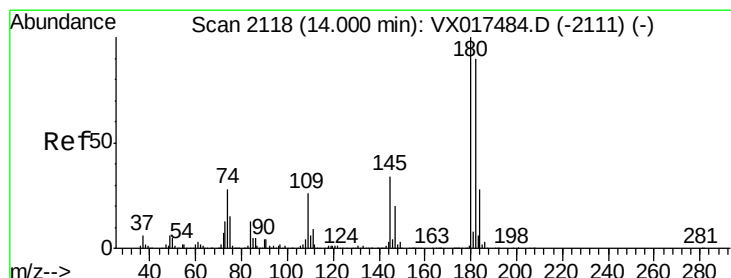
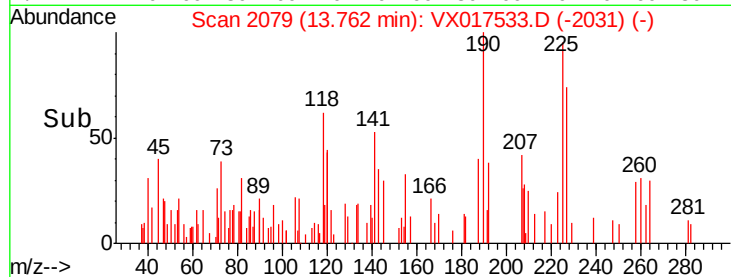
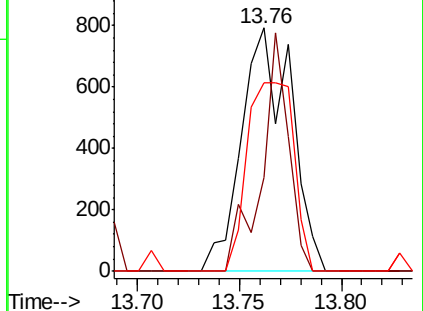
227 73.3 31.1 93.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.221 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX017533.D

Acq: 24 Jul 2020 11:18

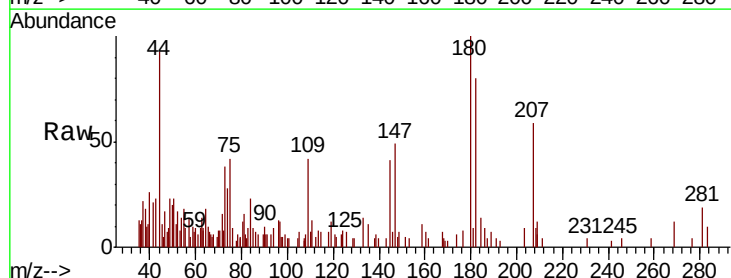
Tgt Ion:180 Resp: 2177

Ion Ratio Lower Upper

180 100

182 106.5 47.4 142.3

145 54.3 16.3 48.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

