

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080320\
 Data File : VX017742.D
 Acq On : 03 Aug 2020 13:28
 Operator : JC/SP
 Sample : VX0803WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0803WBL01

Quant Time: Aug 04 06:50:10 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	605450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	877298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	803652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	389692	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	387032	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	5.46	113	301065	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	8.70	98	1077741	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.12	95	372292	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	

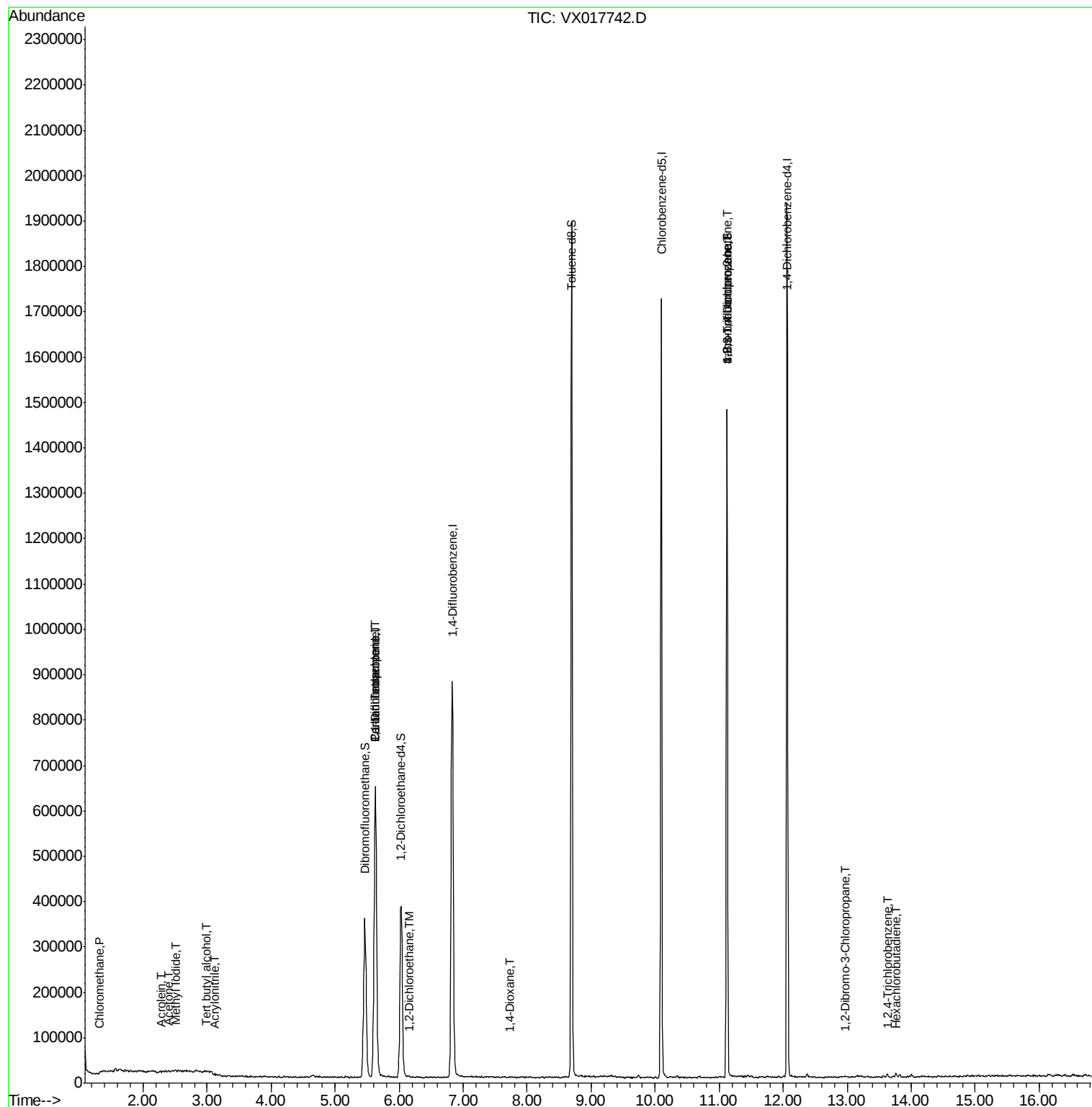
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	127	Below Cal	#	42
3) Chloromethane	1.31	50	790	0.472	ug/l #	87
5) Bromomethane	1.64	94	2561	Below Cal		82
6) Chloroethane	1.70	64	153	Below Cal		89
8) Diethyl Ether	2.16	74	353	Below Cal		88
10) Methyl Iodide	2.50	142	3730	0.443	ug/l #	75
11) Tert butyl alcohol	2.99	59	657	0.401	ug/l #	1
13) Acrolein	2.27	56	1305	5.174	ug/l #	64
15) Acrylonitrile	3.12	53	2042	0.577	ug/l #	86
16) Acetone	2.41	43	1321	0.386	ug/l #	58
20) Methylene Chloride	2.83	84	2673	Below Cal	#	72
36) 1,1-Dichloropropene	5.62	75	43867	5.214	ug/l #	47
38) Carbon Tetrachloride	5.63	117	63813	6.245	ug/l #	18
42) 1,2-Dichloroethane	6.16	62	2148	0.218	ug/l	86
49) 1,4-Dioxane	7.72	88	125	0.866	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	195454	24.383	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	195454	61.439	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	356	2.720	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.63	180	1966	0.228	ug/l	83
94) Hexachlorobutadiene	13.77	225	1234	0.311	ug/l	71

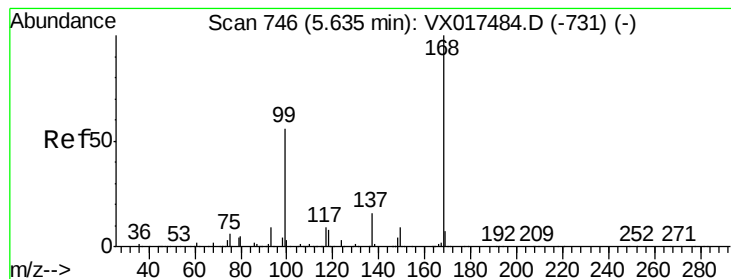
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

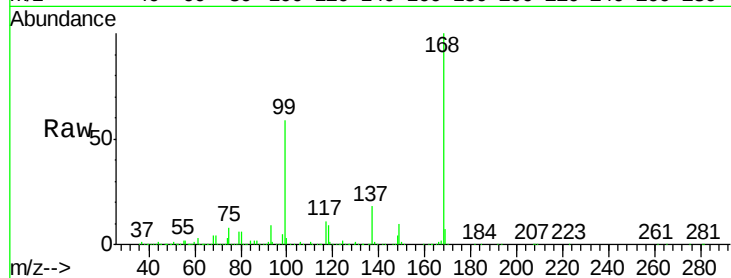
VX0803WBL01

Tot Ion:168 Resp: 605450

Ion Ratio Lower Upper

168 100

99 59.4 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

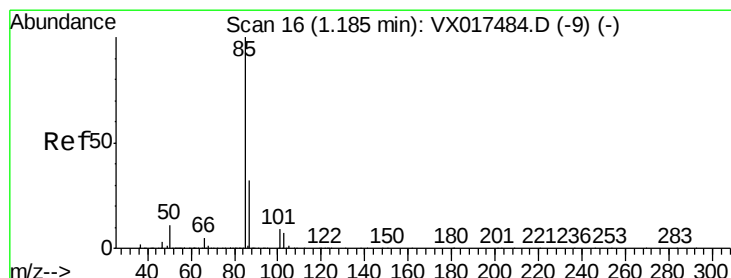
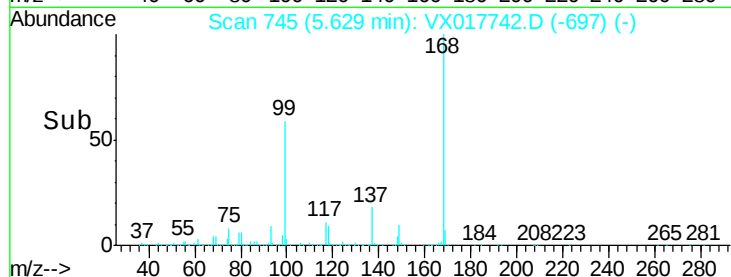
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.17 min Scan# 13

Delta R.T. -0.02 min

Lab File: VX017742.D

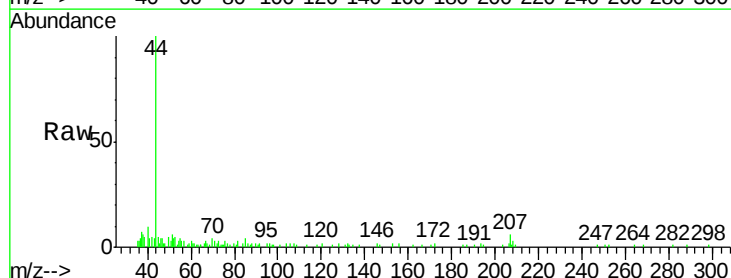
Acq: 03 Aug 2020 13:28

Tgt Ion: 85 Resp: 127

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

1.17

300

250

200

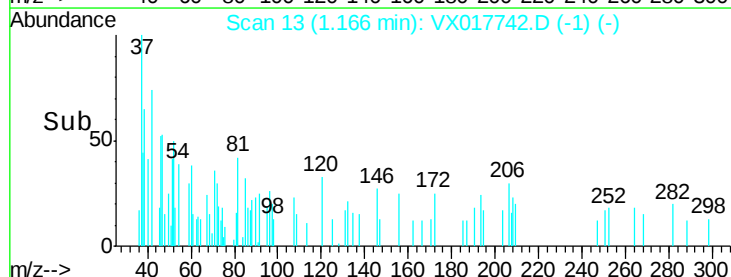
150

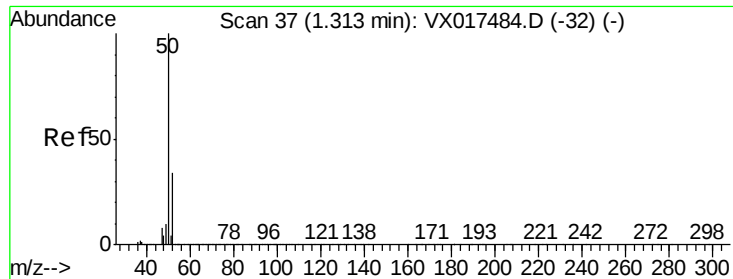
100

50

0

Time-->

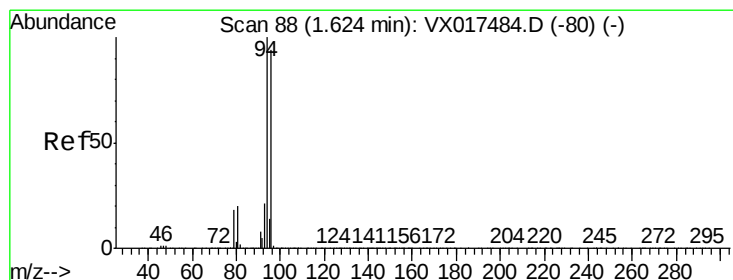
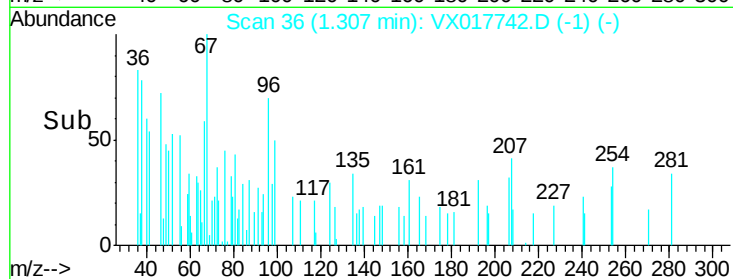
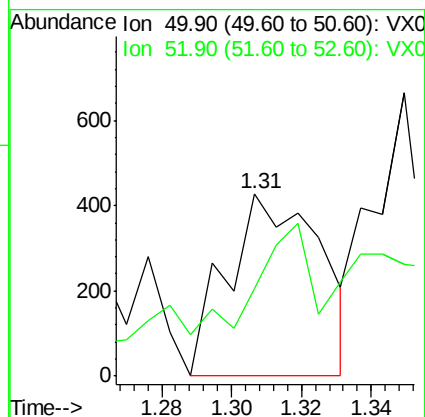
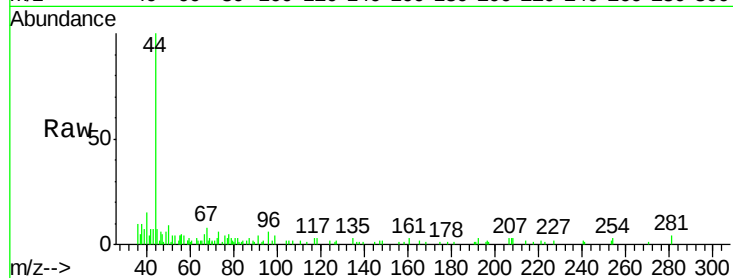




#3
Chloromethane
Concen: 0.472 ug/l
RT: 1.31 min Scan# 36
Delta R.T. -0.01 min
Lab File: VX017742.D
Acq: 03 Aug 2020 13:28

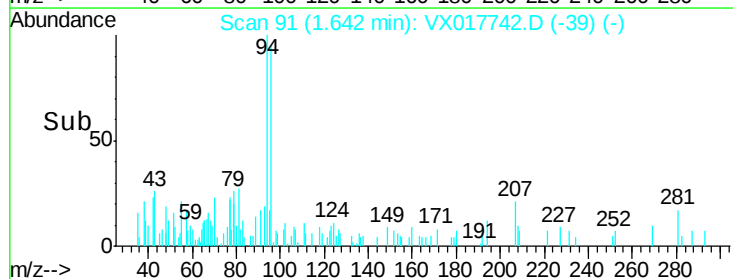
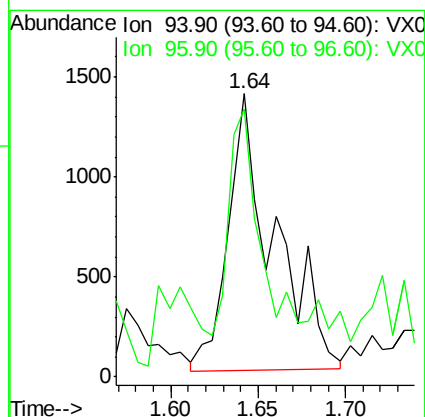
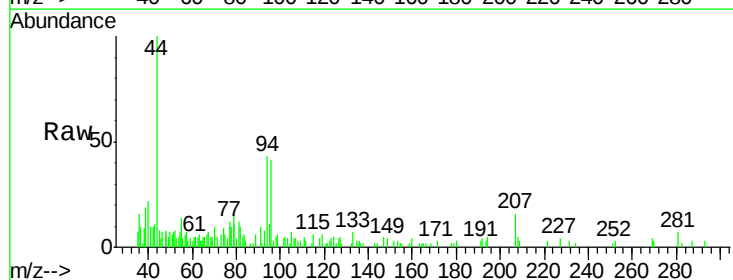
Instrument :
MSVOA_X
ClientSampleId :
VX0803WBL01

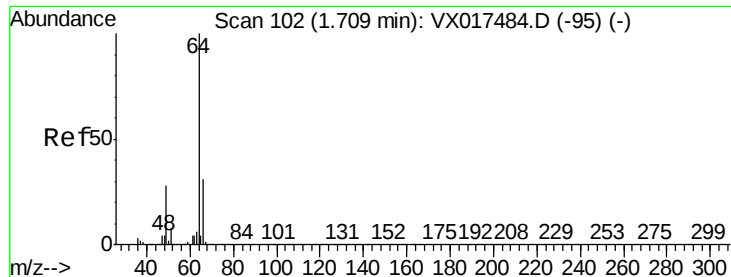
Tot Ion: 50 Resp: 790
Ion Ratio Lower Upper
50 100
52 25.0 25.9 38.9#



#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 91
Delta R.T. 0.02 min
Lab File: VX017742.D
Acq: 03 Aug 2020 13:28

Tgt Ion: 94 Resp: 2561
Ion Ratio Lower Upper
94 100
96 75.8 74.1 111.1





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampled :

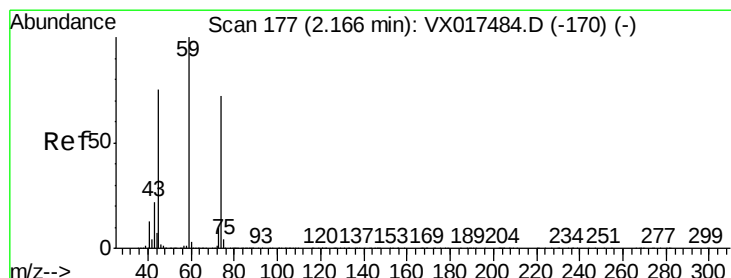
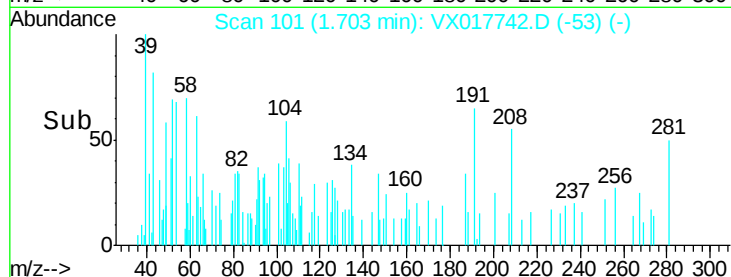
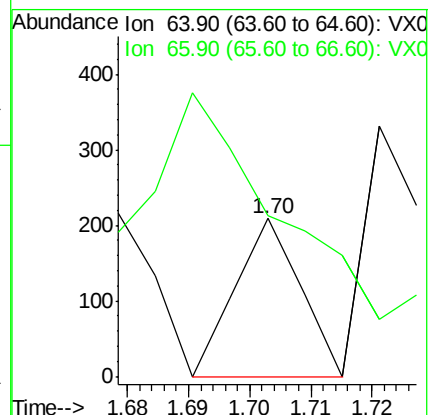
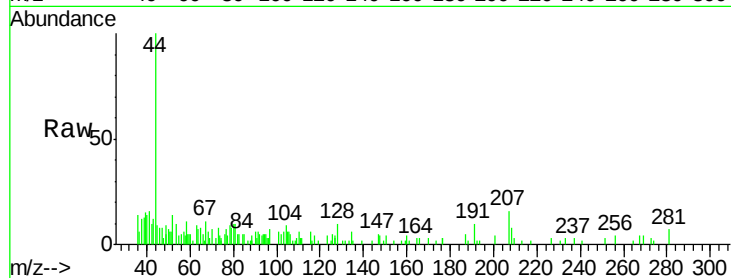
VX0803WBL01

Tot Ion: 64 Resp: 153

Ion Ratio Lower Upper

64 100

66 24.9 24.9 37.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017742.D

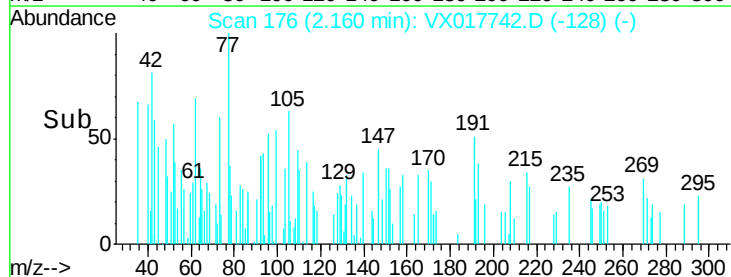
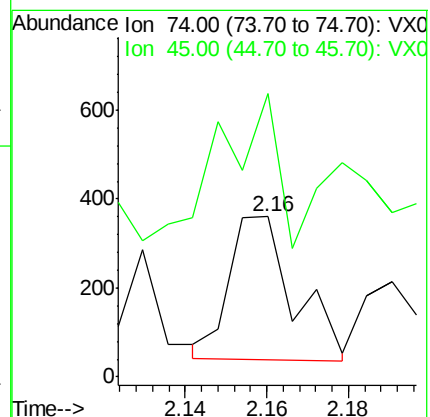
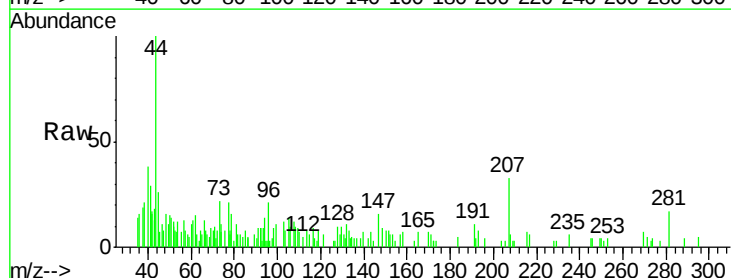
Acq: 03 Aug 2020 13:28

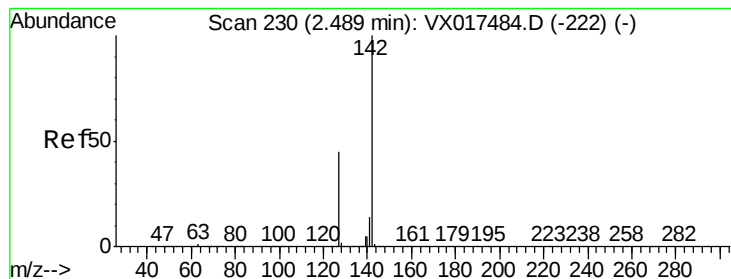
Tgt Ion: 74 Resp: 353

Ion Ratio Lower Upper

74 100

45 113.3 50.8 152.5





#10

Methyl Iodide

Concen: 0.443 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX0803WBL01

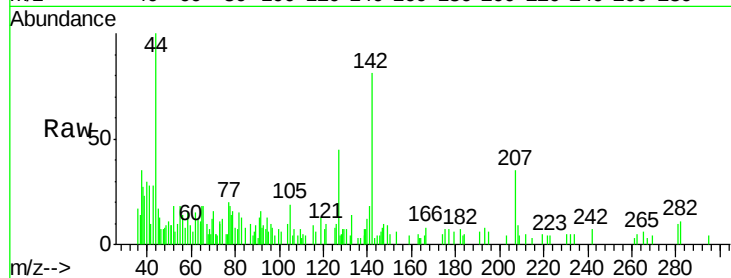
Tot Ion:142 Resp: 3730

Ion Ratio Lower Upper

142 100

127 61.2 35.9 53.9#

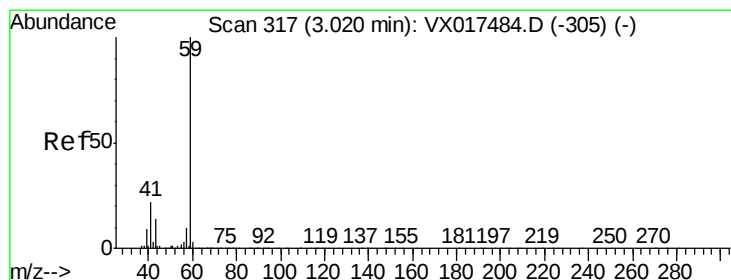
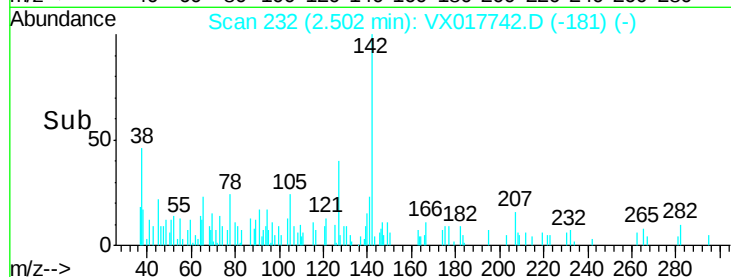
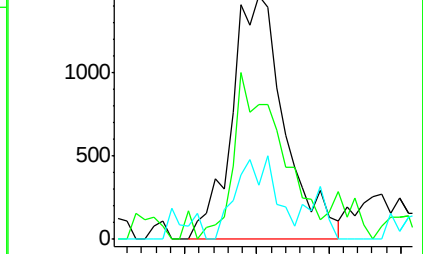
141 25.3 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.401 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX017742.D

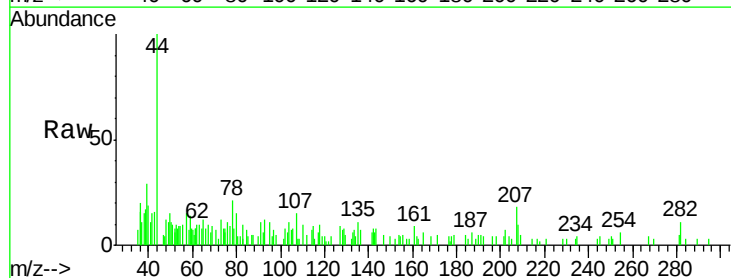
Acq: 03 Aug 2020 13:28

Tgt Ion: 59 Resp: 657

Ion Ratio Lower Upper

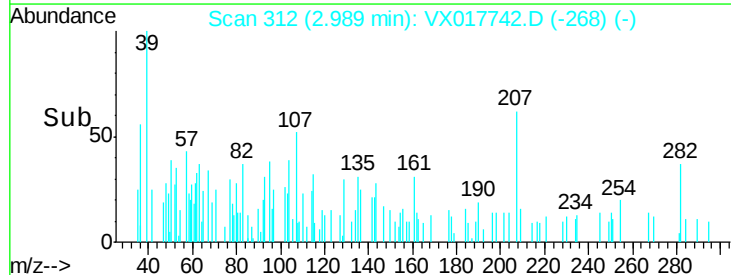
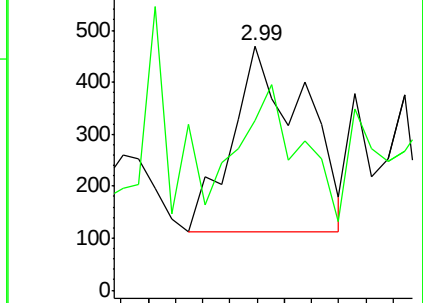
59 100

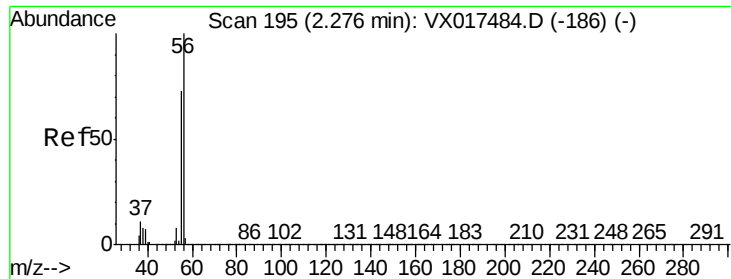
57 99.5 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.174 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

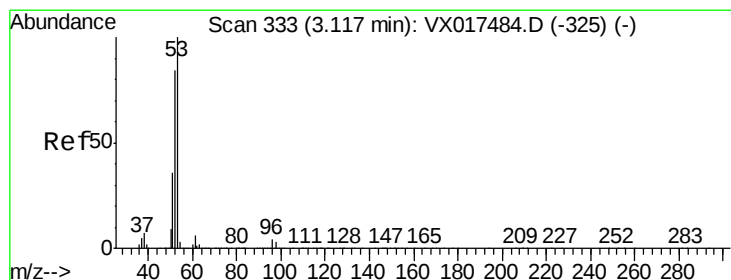
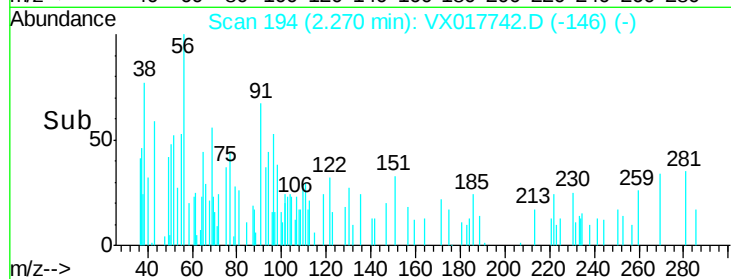
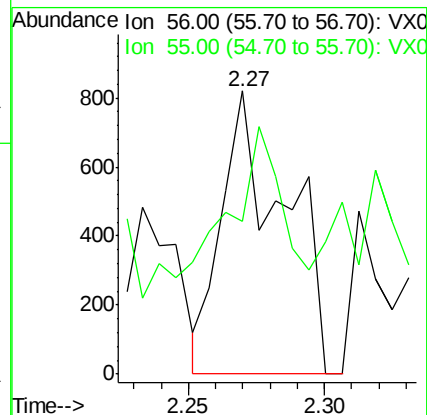
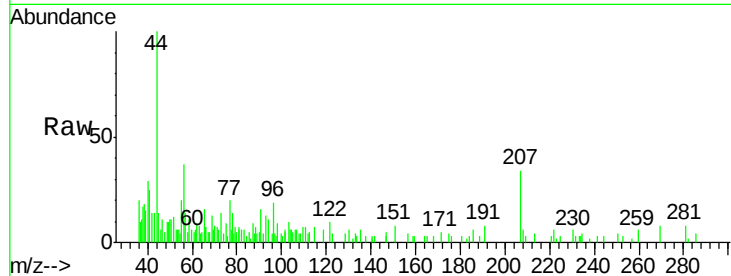
VX0803WBL01

Tot Ion: 56 Resp: 1305

Ion Ratio Lower Upper

56 100

55 41.8 57.4 86.2#



#15

Acrylonitrile

Concen: 0.577 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

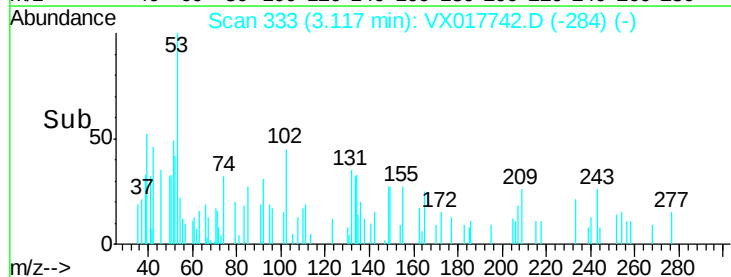
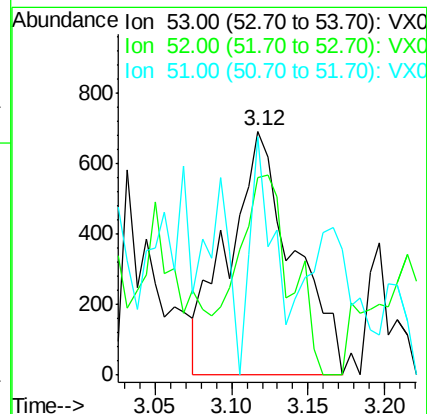
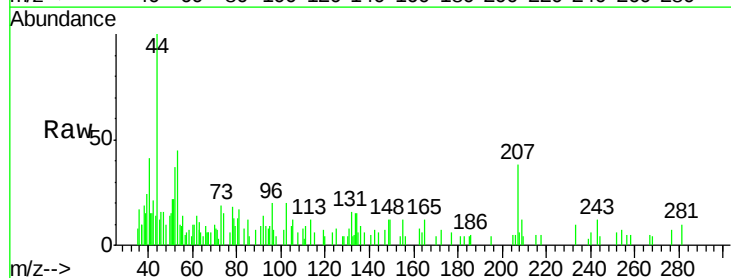
Tgt Ion: 53 Resp: 2042

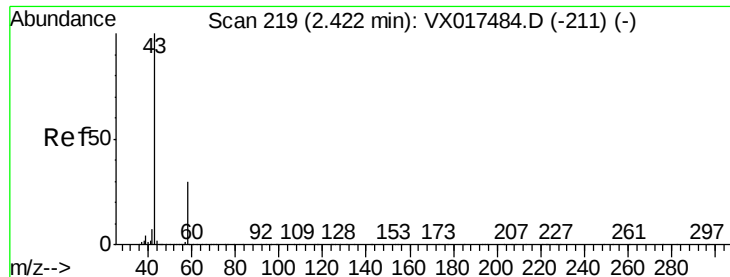
Ion Ratio Lower Upper

53 100

52 66.4 66.6 99.8#

51 38.5 29.4 44.2





#16

Acetone

Concen: 0.386 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

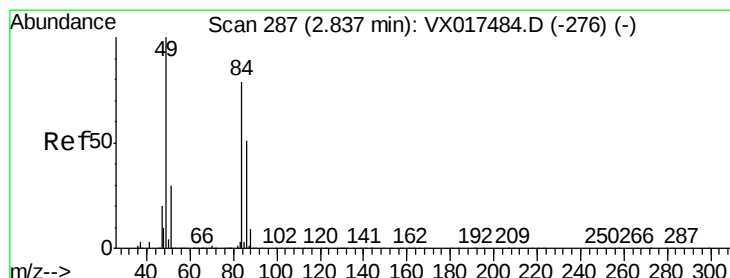
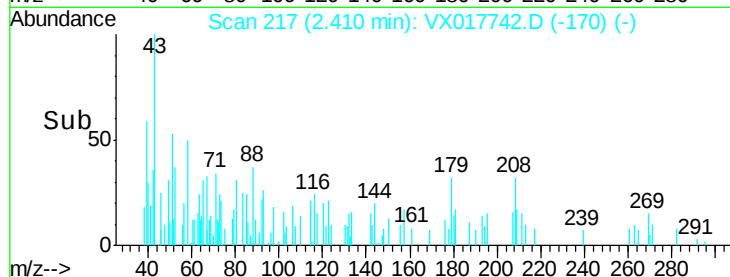
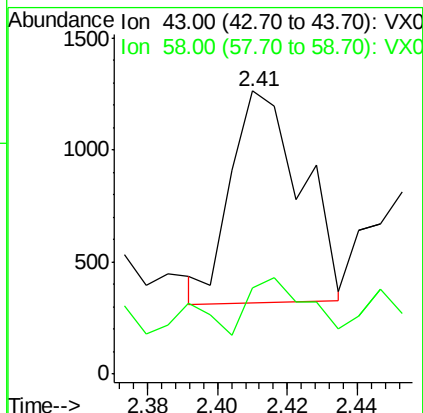
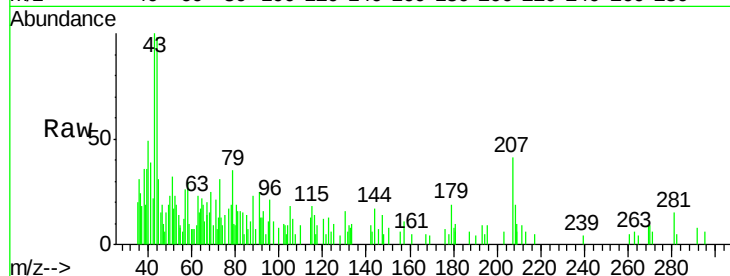
VX0803WBL01

Tot Ion: 43 Resp: 1321

Ion Ratio Lower Upper

43 100

58 7.2 24.2 36.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Tgt Ion: 84 Resp: 2673

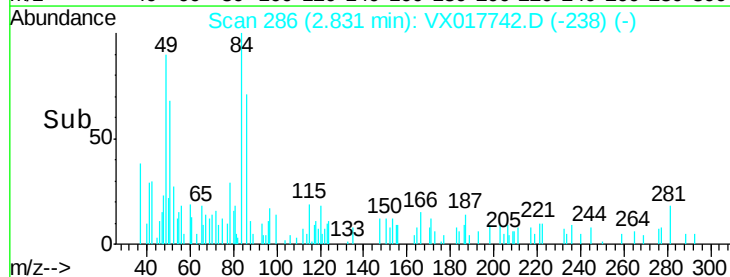
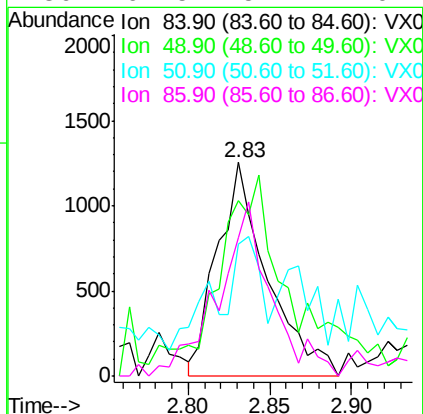
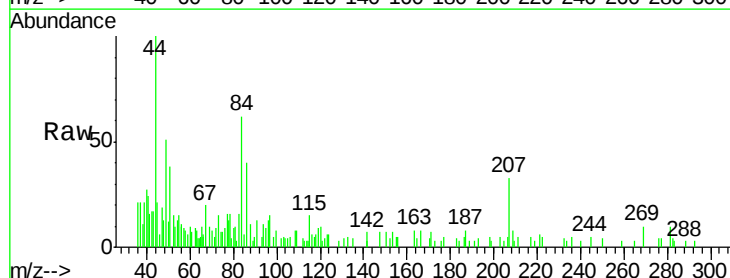
Ion Ratio Lower Upper

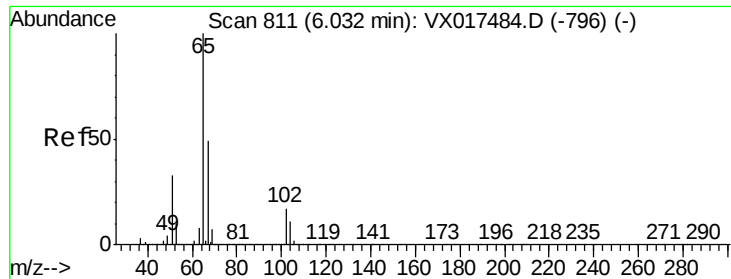
84 100

49 68.1 100.3 150.5#

51 39.1 30.5 45.7

86 64.5 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 49.764 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

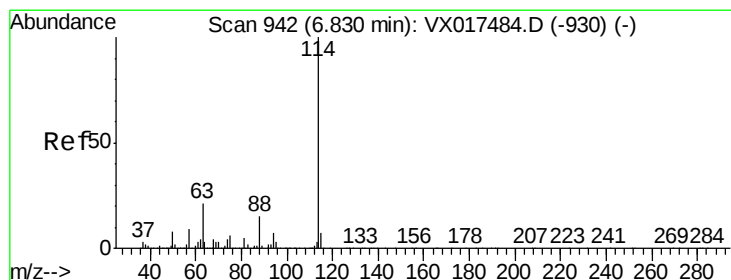
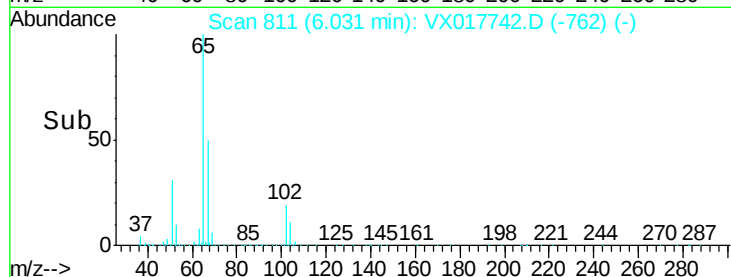
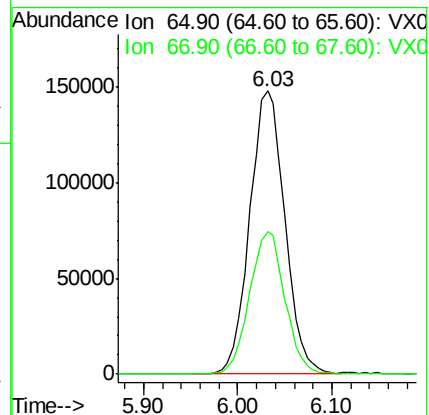
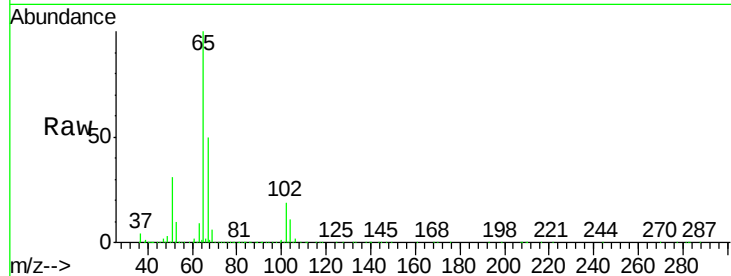
VX0803WBL01

Tot Ion: 65 Resp: 387032

Ion Ratio Lower Upper

65 100

67 51.0 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: VX017742.D

Acq: 03 Aug 2020 13:28

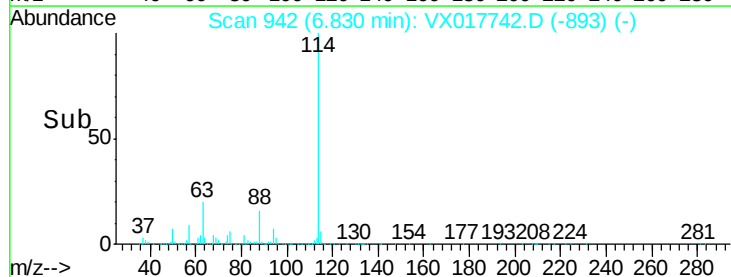
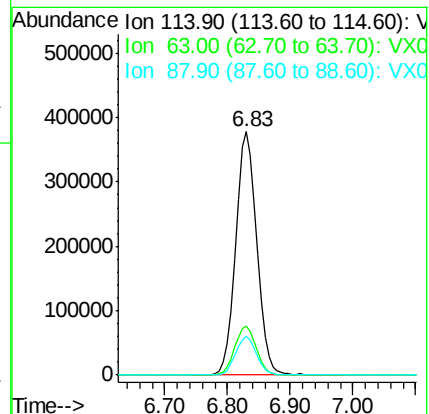
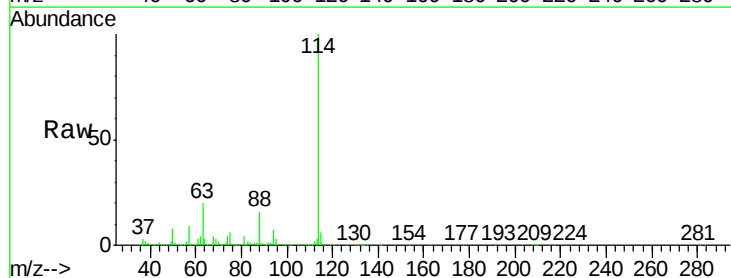
Tgt Ion: 114 Resp: 877298

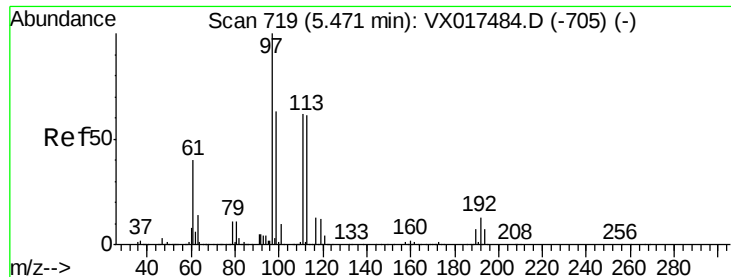
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

88 15.9 0.0 33.4

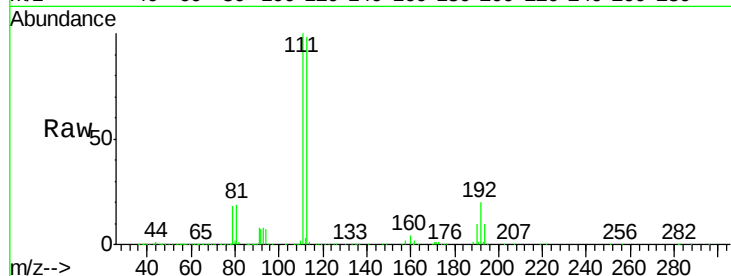




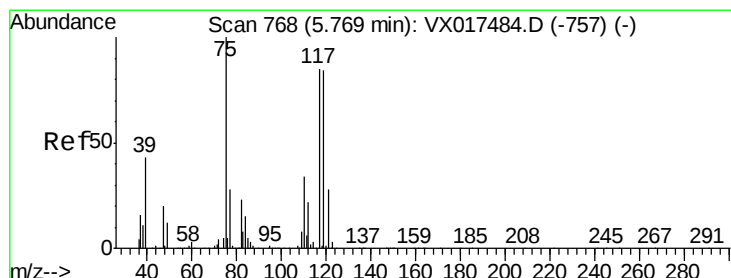
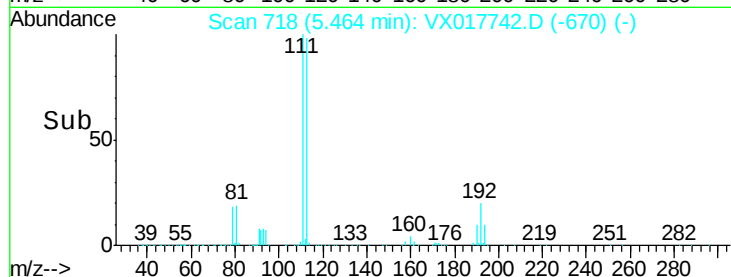
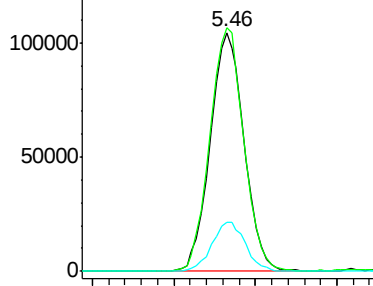
#35
 Dibromofluoromethane
 Concen: 51.311 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017742.D
 Acq: 03 Aug 2020 13:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX0803WBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	20.5	16.9	25.3

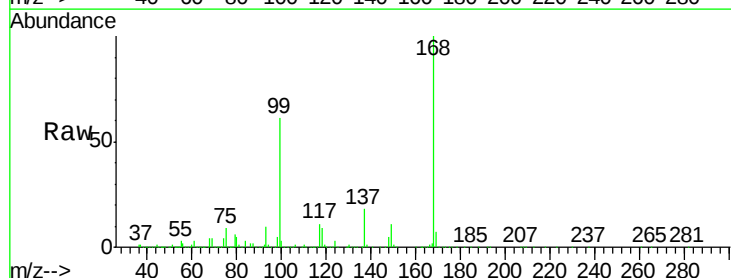


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

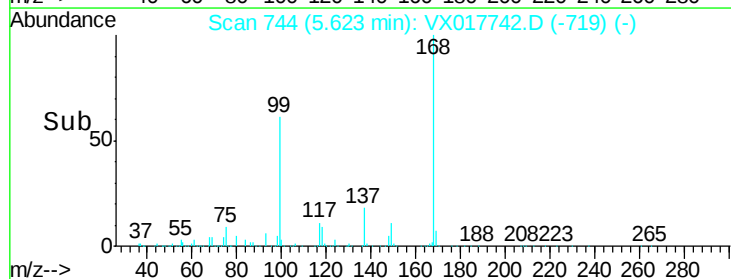
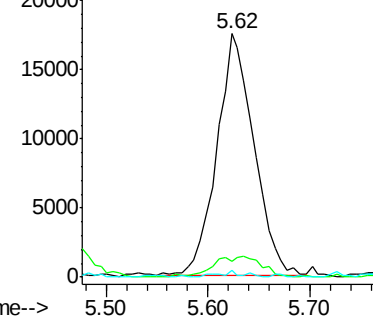


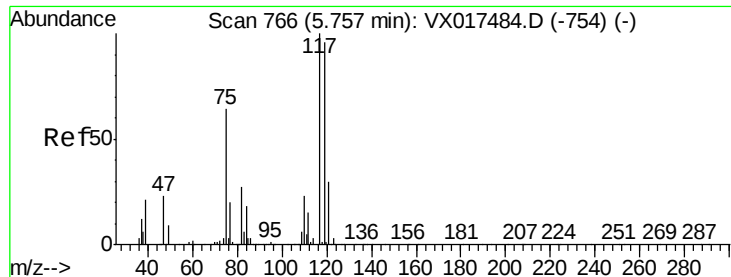
#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017742.D
 Acq: 03 Aug 2020 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.1	18.1	54.3#
77	1.3	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: 6.245 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX0803WBL01

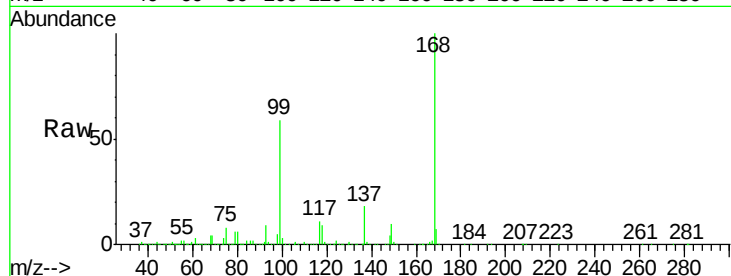
Tot Ion:117 Resp: 63813

Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.0#

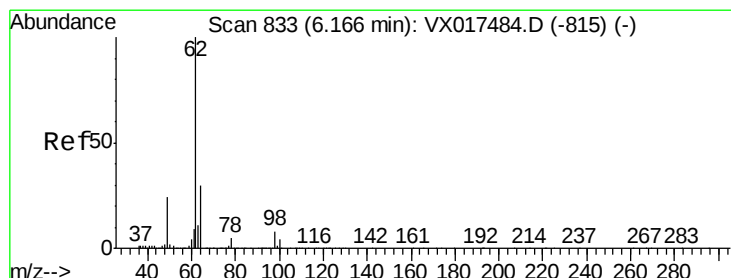
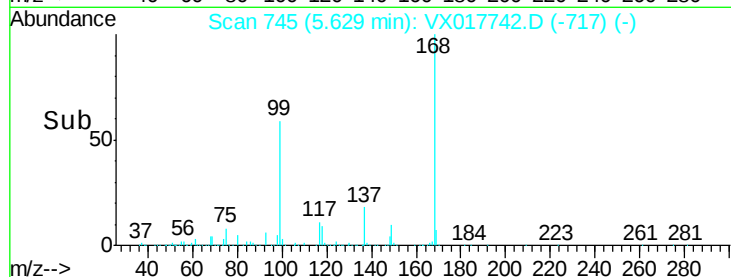
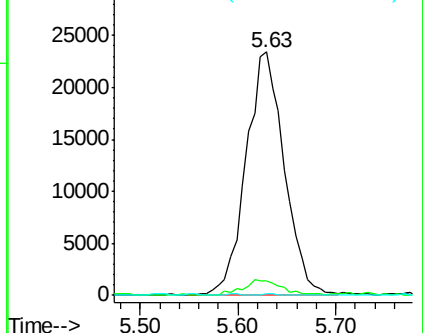
121 0.5 24.3 36.5#



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



#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017742.D

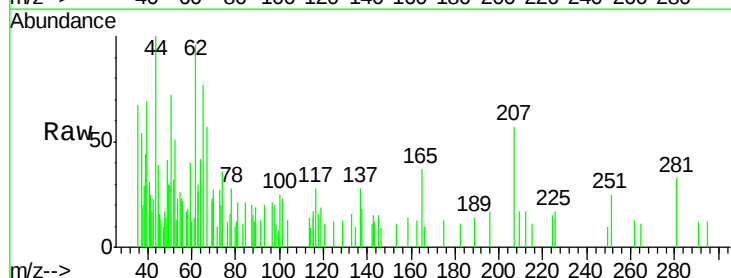
Acq: 03 Aug 2020 13:28

Tgt Ion: 62 Resp: 2148

Ion Ratio Lower Upper

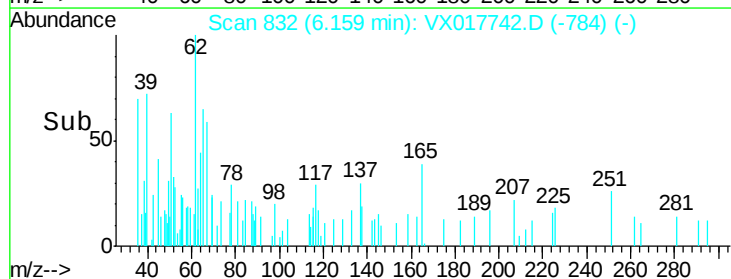
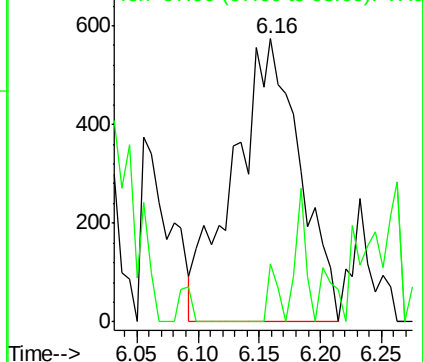
62 100

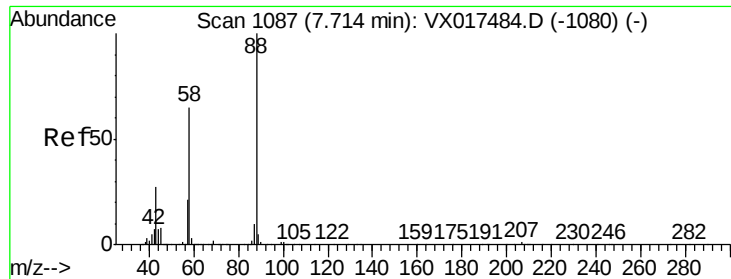
98 3.2 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 0.866 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampled :

VX0803WBL01

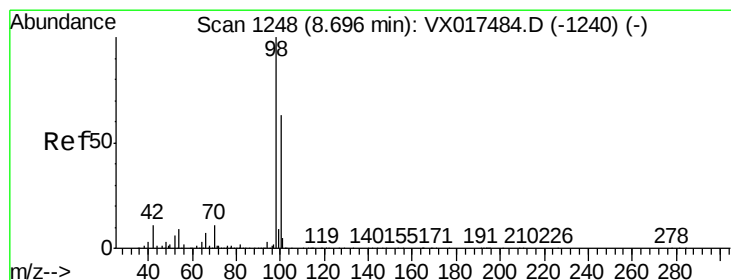
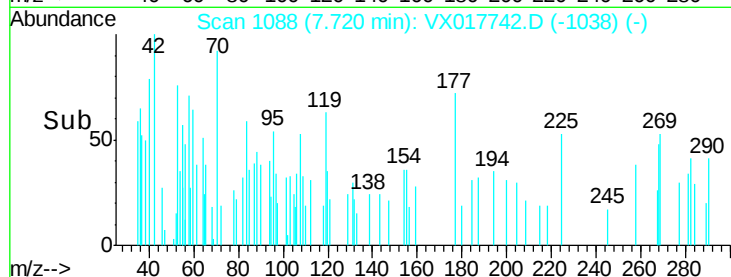
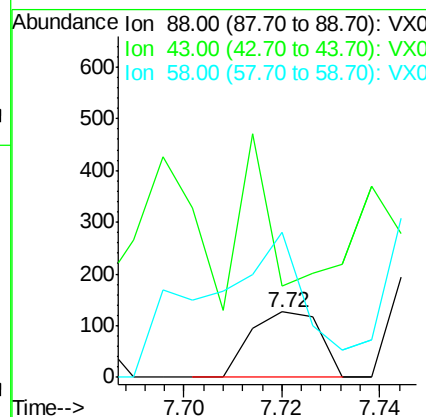
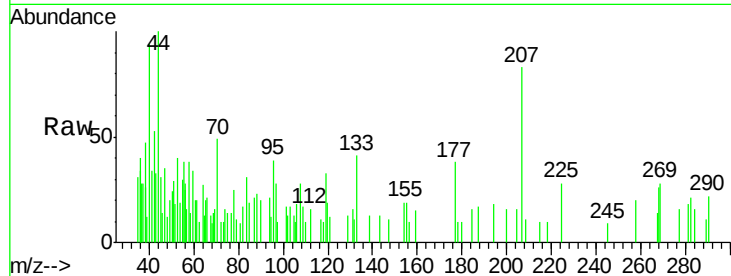
Tot Ion: 88 Resp: 125

Ion Ratio Lower Upper

88 100

43 200.0 27.8 41.6#

58 327.2 58.3 87.5#



#50

Toluene-d8

Concen: 50.917 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017742.D

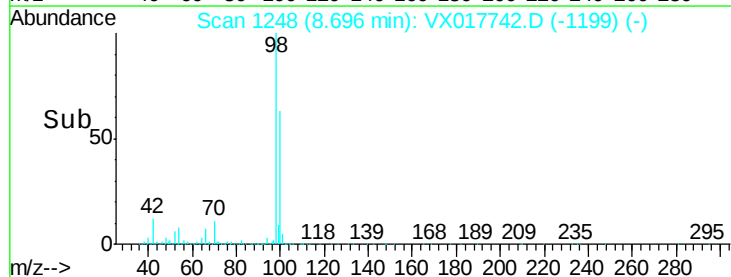
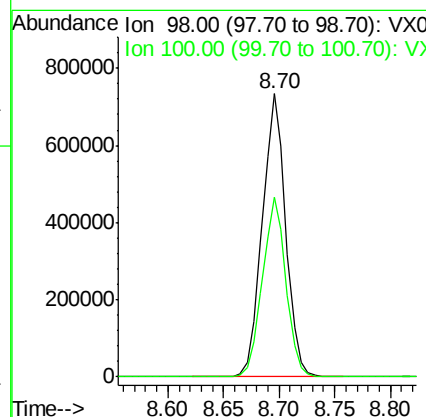
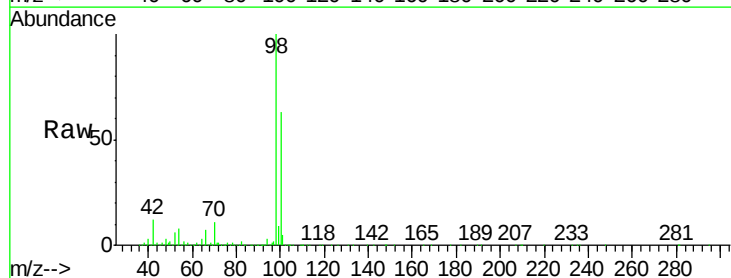
Acq: 03 Aug 2020 13:28

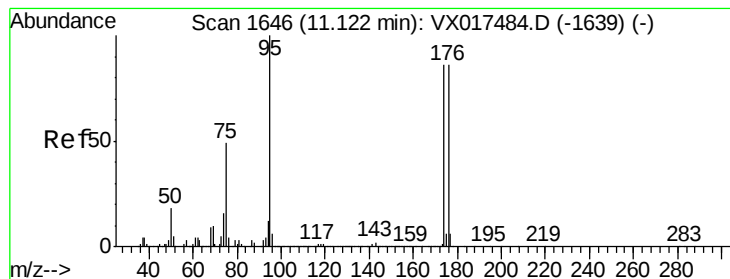
Tgt Ion: 98 Resp: 1077741

Ion Ratio Lower Upper

98 100

100 63.7 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 43.949 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX0803WBL01

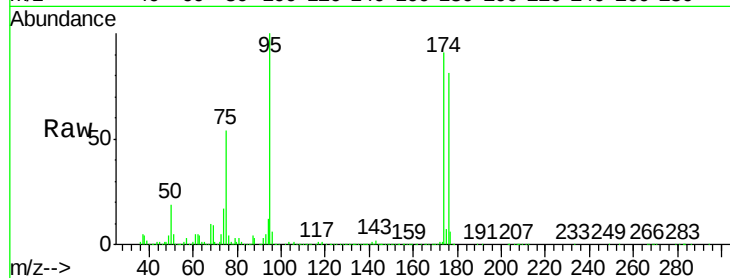
Tot Ion: 95 Resp: 372292

Ion Ratio Lower Upper

95 100

174 86.0 0.0 169.0

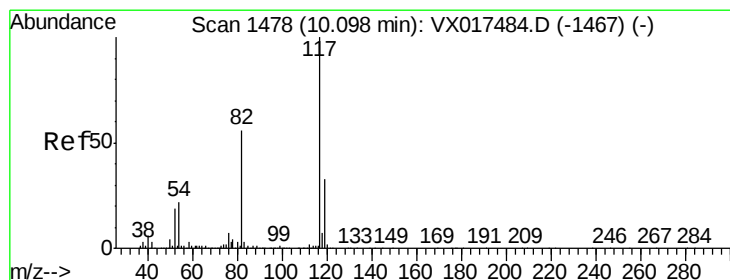
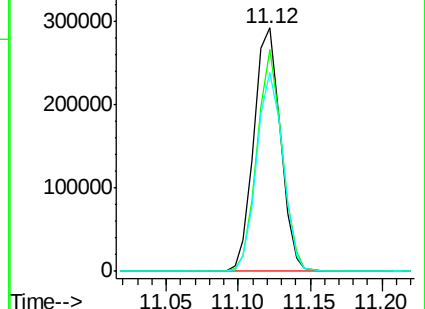
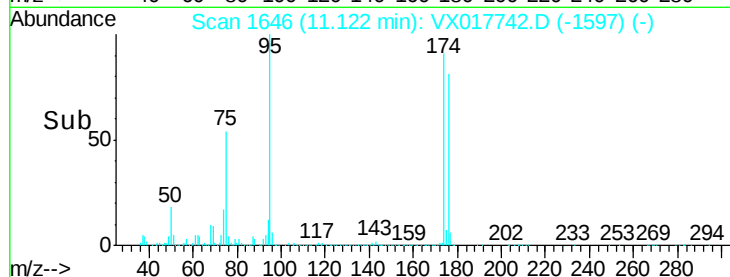
176 80.4 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017742.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017742.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017742.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

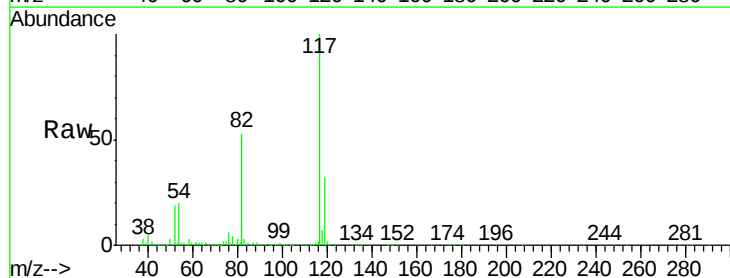
Tgt Ion: 117 Resp: 803652

Ion Ratio Lower Upper

117 100

82 53.2 44.0 66.0

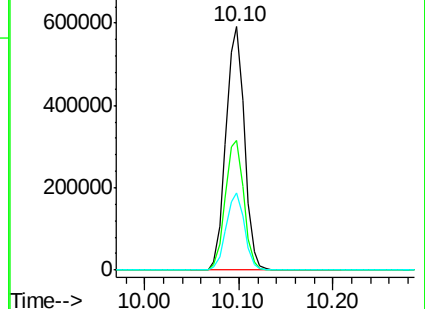
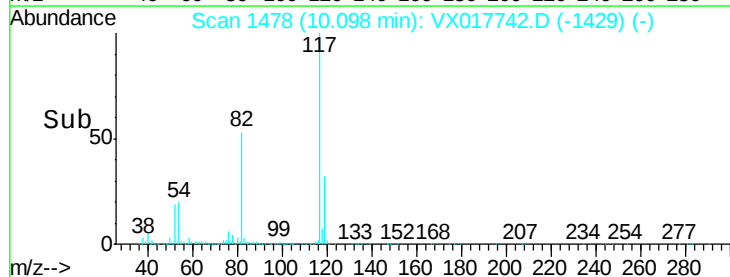
119 31.7 25.4 38.0

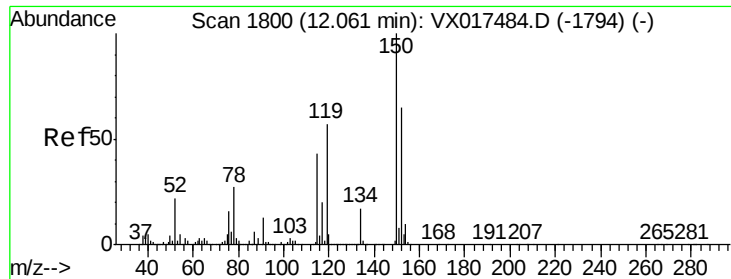


Abundance Ion 116.90 (116.60 to 117.60): VX017742.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017742.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017742.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX0803WBL01

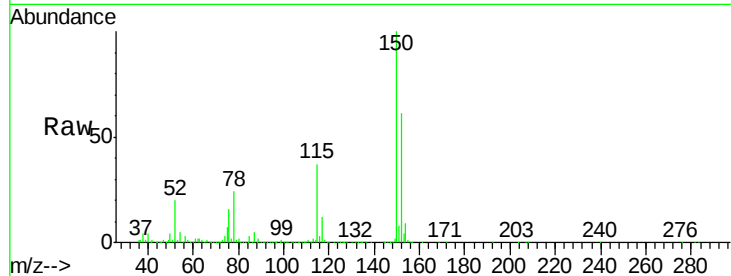
Tot Ion:152 Resp: 389692

Ion Ratio Lower Upper

152 100

115 57.9 65.5 196.6#

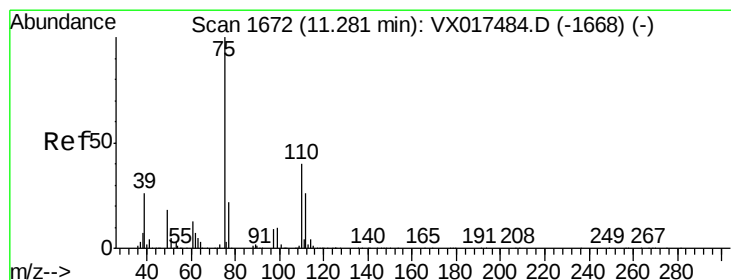
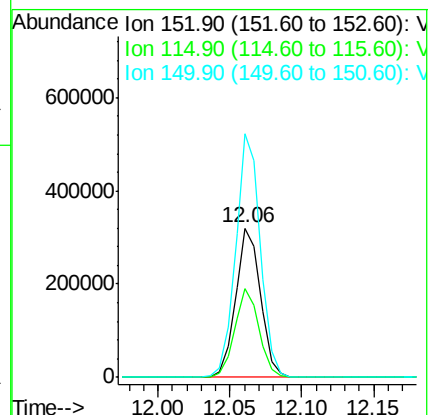
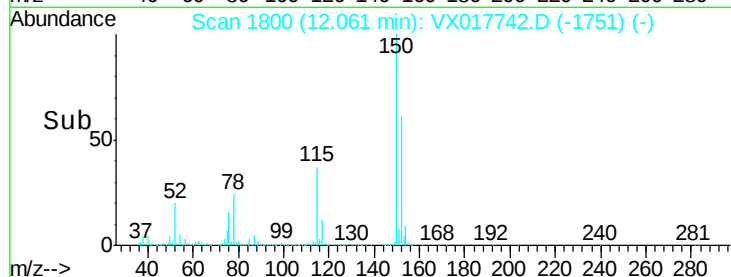
150 160.1 0.0 412.6



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: 24.383 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017742.D

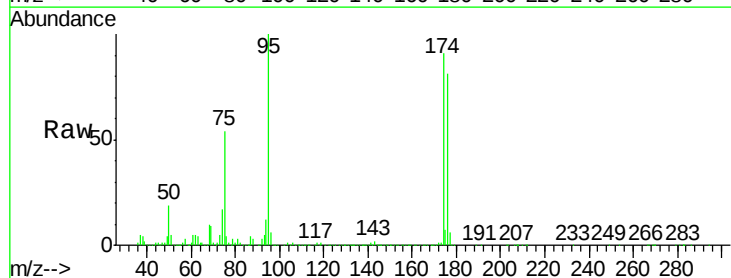
Acq: 03 Aug 2020 13:28

Tgt Ion: 75 Resp: 195454

Ion Ratio Lower Upper

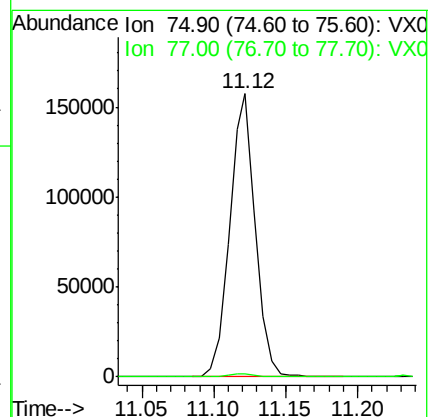
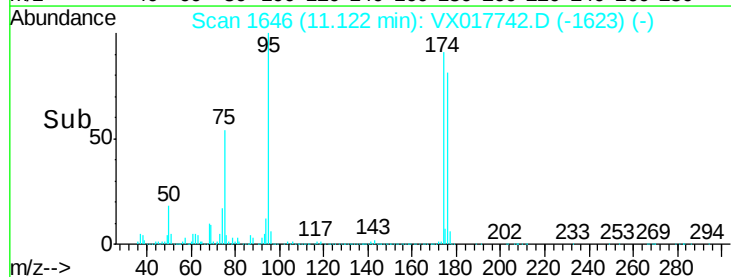
75 100

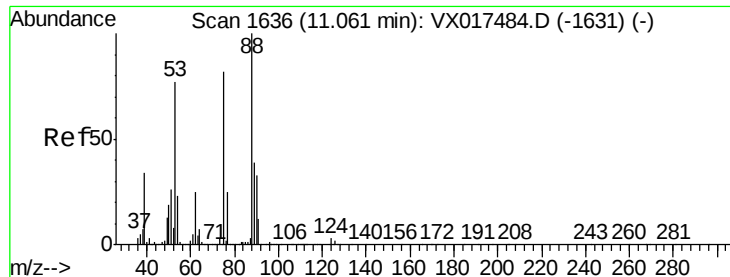
77 1.4 21.8 65.3#



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: 61.439 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX0803WBL01

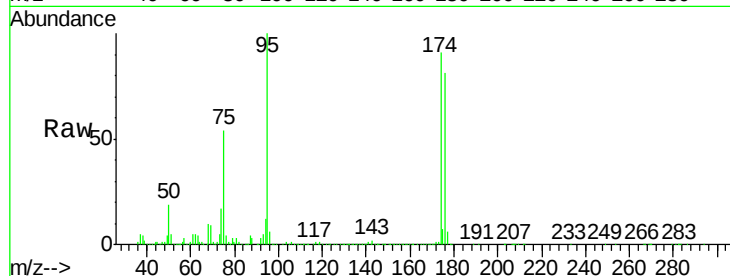
Tot Ion: 75 Resp: 195454

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

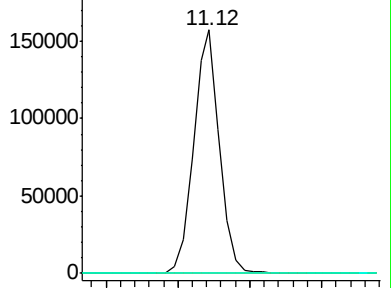
89 0.0 37.8 56.6#



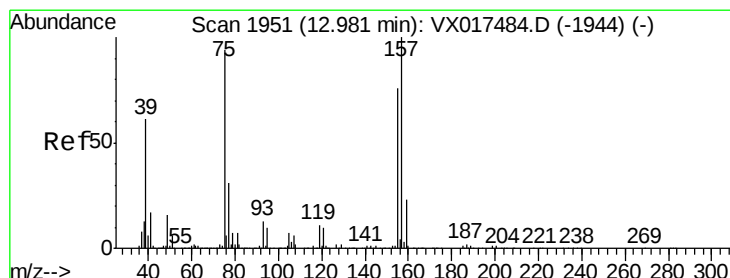
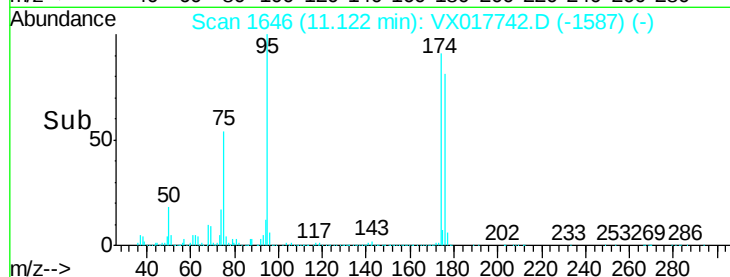
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.720 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017742.D

Acq: 03 Aug 2020 13:28

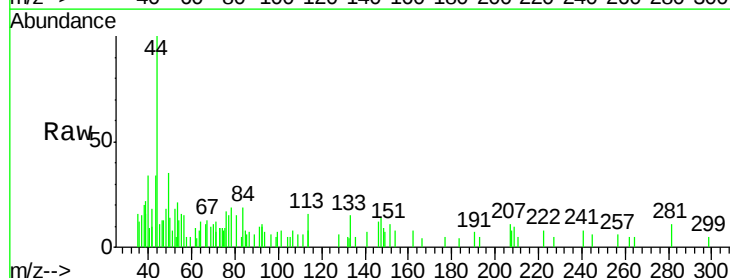
Tgt Ion: 75 Resp: 356

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

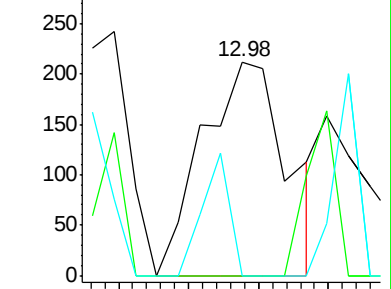
157 18.8 54.3 162.9#



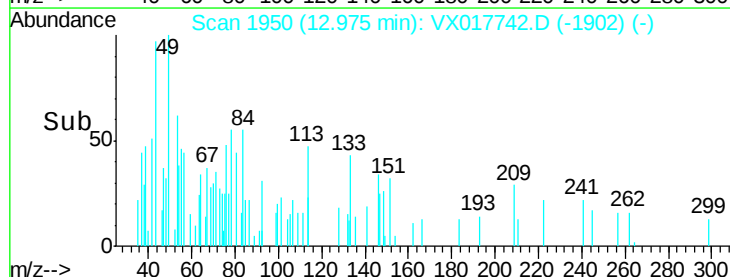
Abundance Ion 74.90 (74.60 to 75.60): VX0

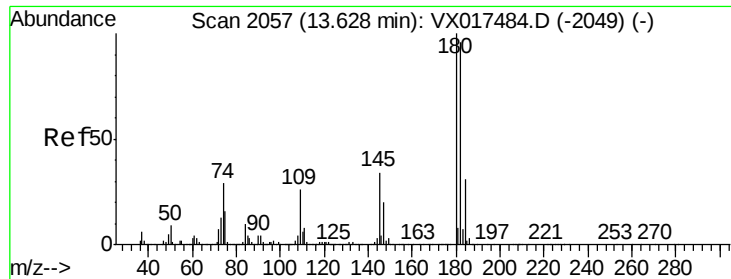
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

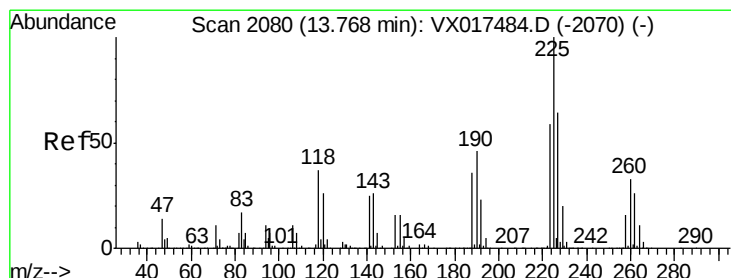
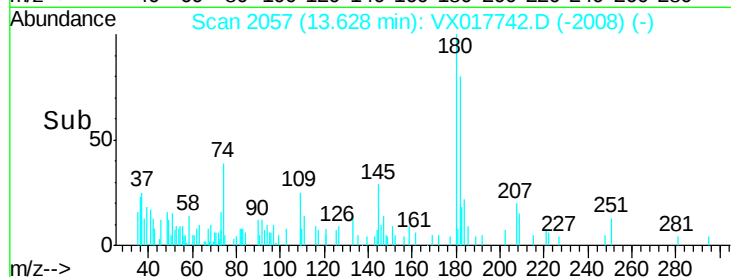
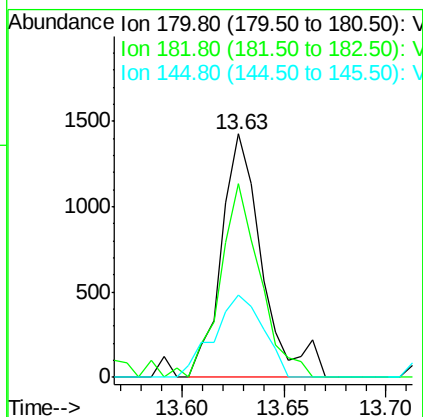
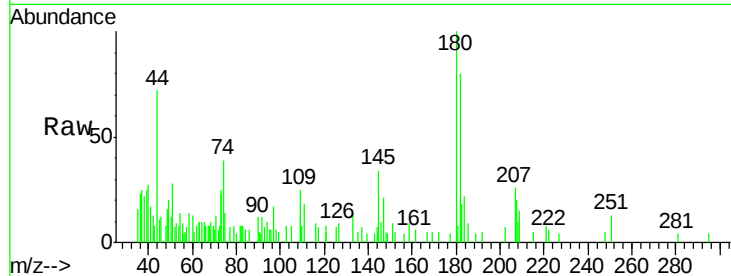




#93
 1,2,4-Trichlorobenzene
 Concen: 0.228 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017742.D
 Acq: 03 Aug 2020 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0803WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	78.5	47.5	142.6
145	41.0	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 0.311 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX017742.D
 Acq: 03 Aug 2020 13:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	78.6	30.3	90.9
227	88.1	31.1	93.2

