

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070620\
 Data File : VX07163.D
 Acq On : 06 Jul 2020 13:24
 Operator : JC/SP
 Sample : VX0706MBL01
 Misc : 5.0g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706MBL01

Quant Time: Jul 06 15:11:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	269445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	435621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246912	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	167767	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	5.47	113	140340	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	8.70	98	531394	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	11.12	95	222220	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	749	0.484	ug/l	83
8) Diethyl Ether	2.16	74	70	0.413	ug/l	71
11) Tert butyl alcohol	3.01	59	307	0.484	ug/l #	73
13) Acrolein	2.27	56	620	1.637	ug/l #	74
15) Acrylonitrile	3.11	53	1461	0.959	ug/l #	75
16) Acetone	2.42	43	1127	0.907	ug/l #	65
17) Carbon Disulfide	2.55	76	3593	0.506	ug/l #	76
18) Methyl Acetate	2.75	43	857	0.264	ug/l #	70
20) Methylene Chloride	2.84	84	1131	Below Cal	#	72
21) trans-1,2-Dichloroethene	3.15	96	927	0.313	ug/l #	26
31) Cyclohexane	5.64	56	5500	1.226	ug/l #	1
38) Carbon Tetrachloride	5.62	117	25564	5.637	ug/l #	17
44) Trichloroethene	7.19	130	696	Below Cal		55
58) 2-Chloroethyl Vinyl ether	8.29	63	514	0.235	ug/l #	87
76) 1,2,3-Trichloropropane	11.12	75	110451	22.748	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110451	58.910	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	1290	Below Cal		92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	272	0.224	ug/l #	64
93) 1,2,4-Trichlorobenzene	13.63	180	1768	0.343	ug/l	91
94) Hexachlorobutadiene	13.76	225	1480	1.589	ug/l	86
95) Naphthalene	13.82	128	4199	0.268	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.01	180	1951	0.391	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampled :

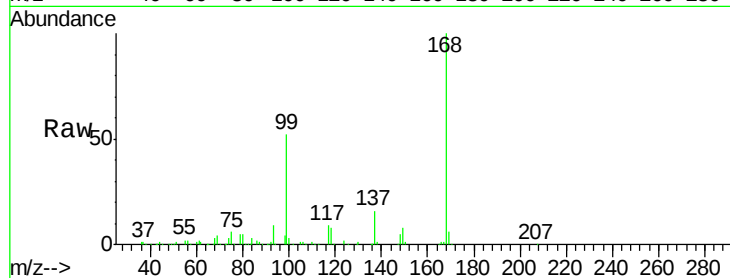
VX0706MBL01

Tgt Ion: 168 Resp: 269445

Ion Ratio Lower Upper

168 100

99 52.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

40000

20000

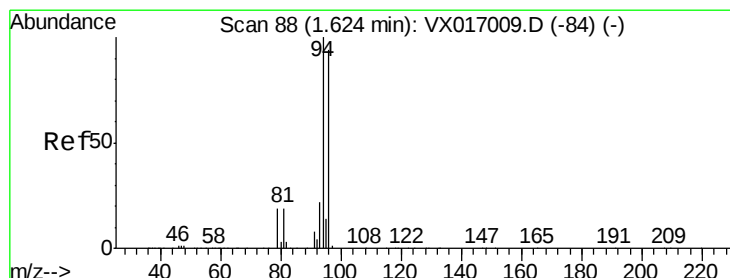
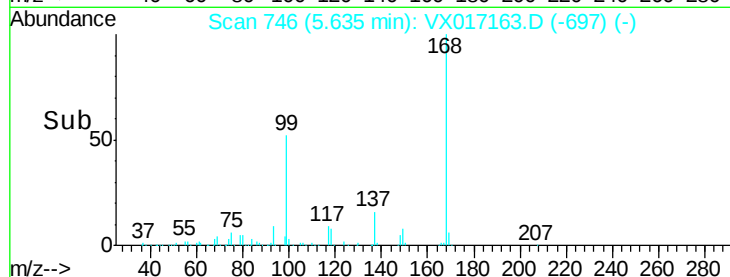
0

Time-->

5.50

5.60

5.70



#5

Bromomethane

Concen: 0.484 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017163.D

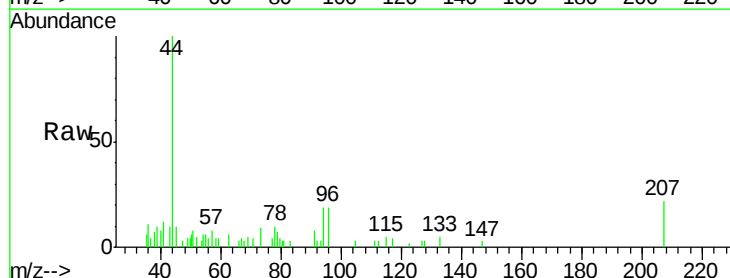
Acq: 06 Jul 2020 13:24

Tgt Ion: 94 Resp: 749

Ion Ratio Lower Upper

94 100

96 77.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

200

100

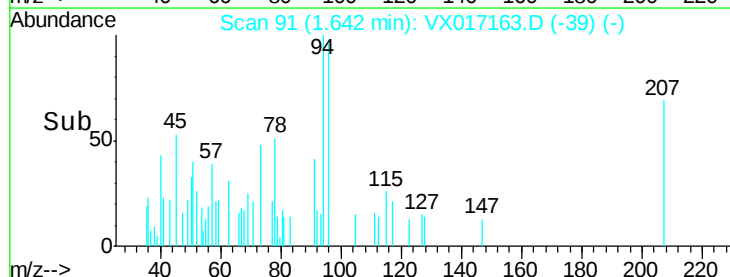
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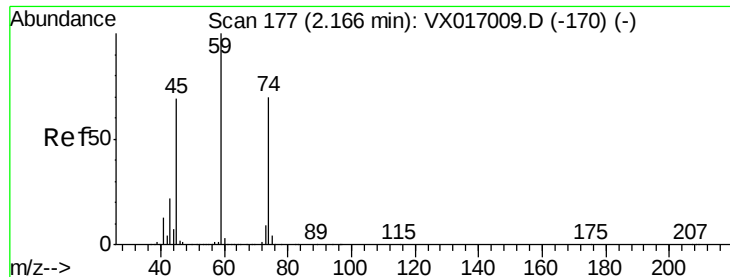
Time-->

1.60

1.65

1.70





#8

Diethyl Ether

Concen: 0.413 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

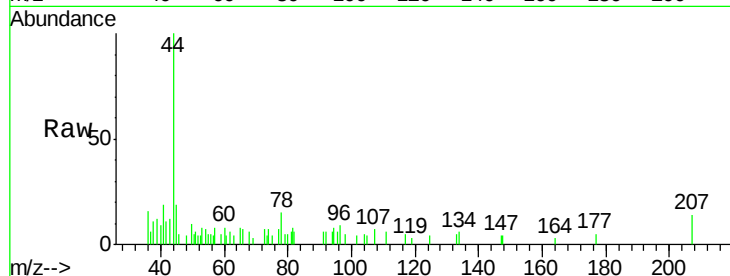
VX0706MBL01

Tgt Ion: 74 Resp: 70

Ion Ratio Lower Upper

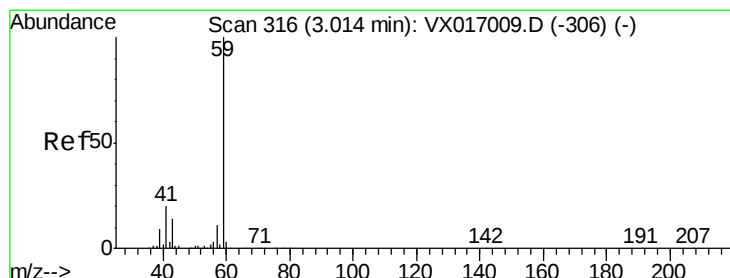
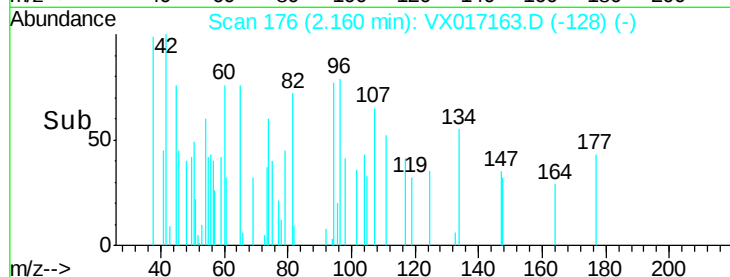
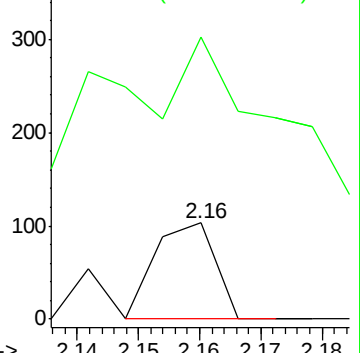
74 100

45 128.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.484 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017163.D

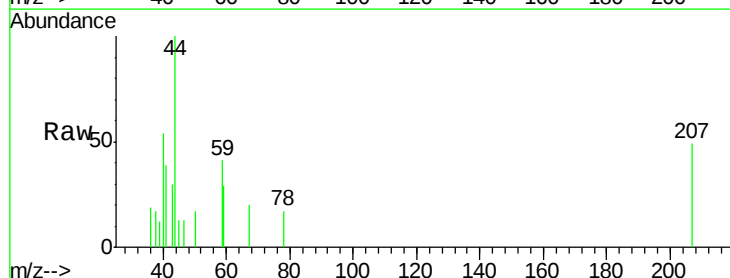
Acq: 06 Jul 2020 13:24

Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

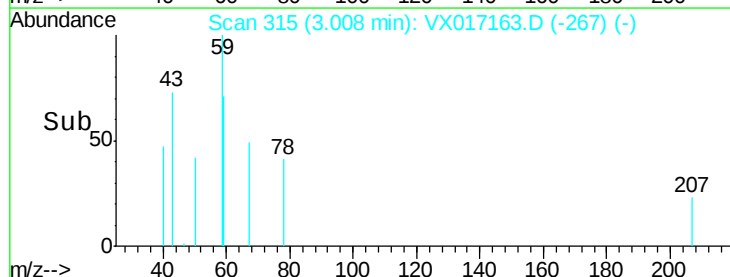
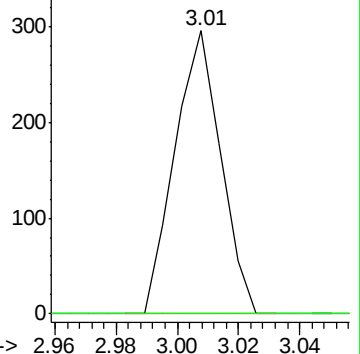
59 100

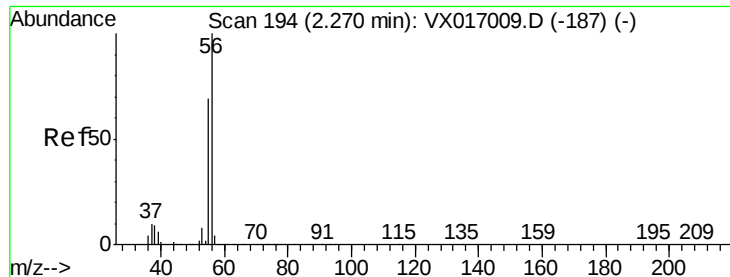
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.637 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

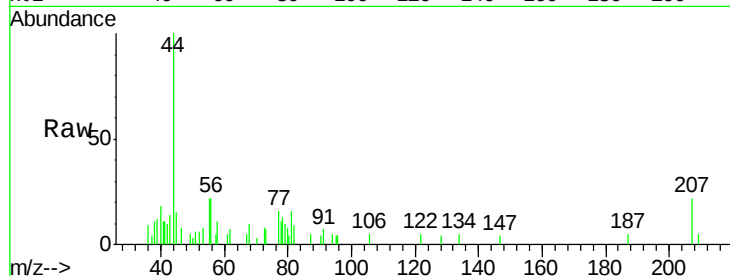
VX0706MBL01

Tgt Ion: 56 Resp: 620

Ion Ratio Lower Upper

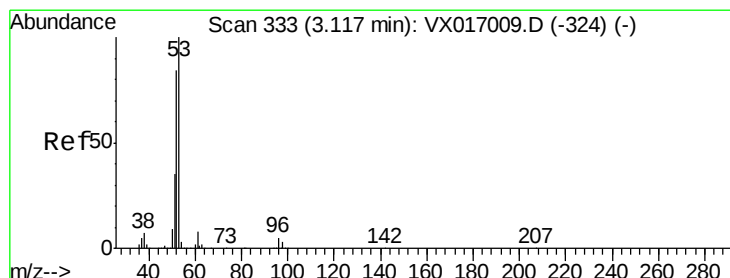
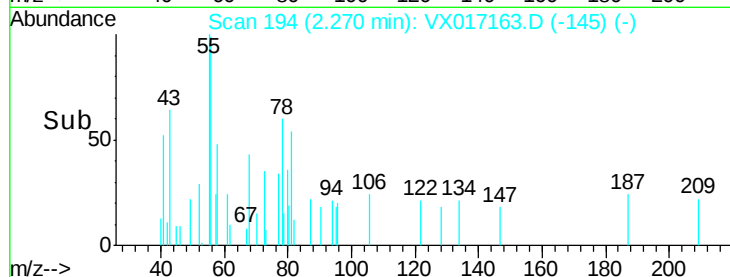
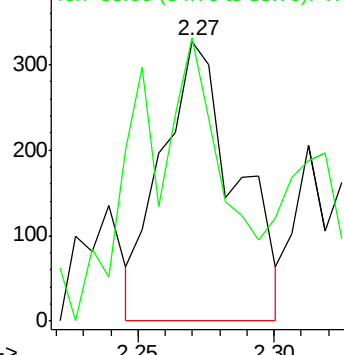
56 100

55 48.2 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.959 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

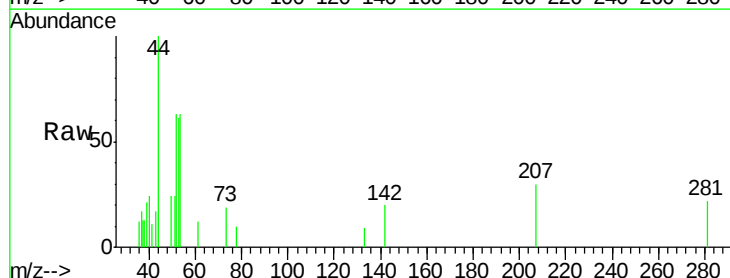
Tgt Ion: 53 Resp: 1461

Ion Ratio Lower Upper

53 100

52 72.9 65.6 98.4

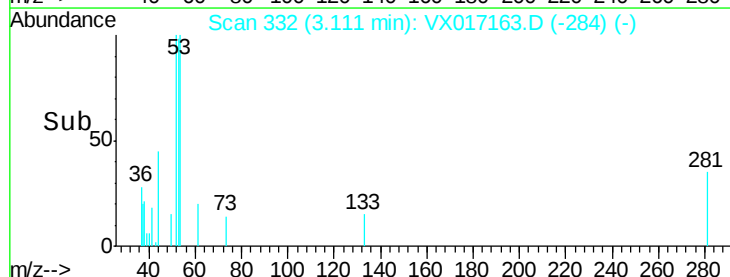
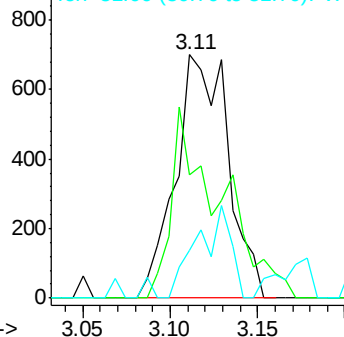
51 0.0 28.3 42.5#

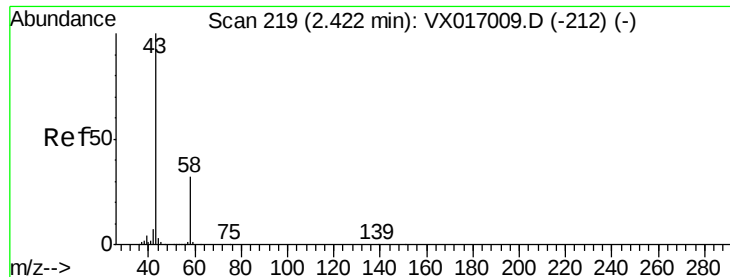


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.907 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

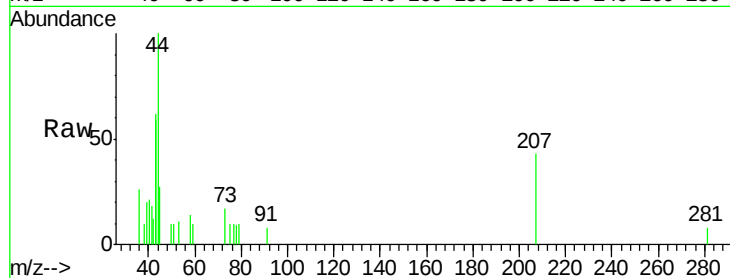
VX0706MBL01

Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

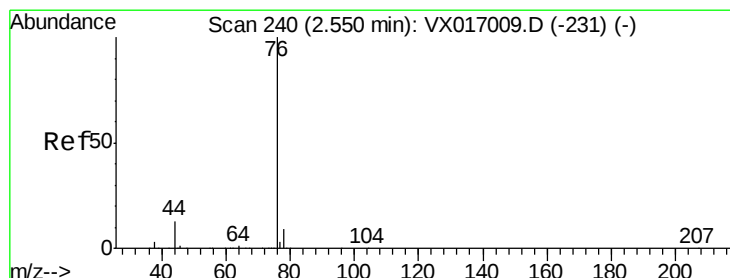
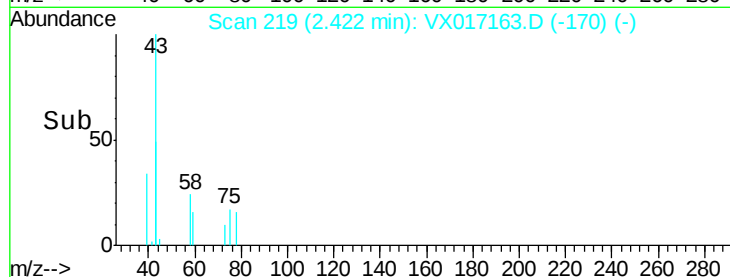
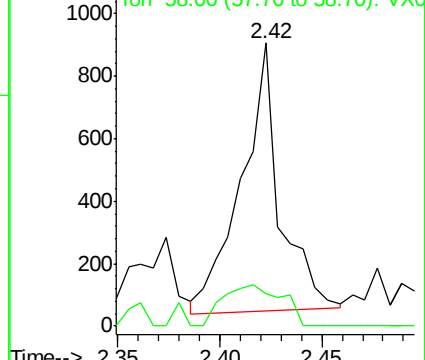
43 100

58 12.7 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.506 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017163.D

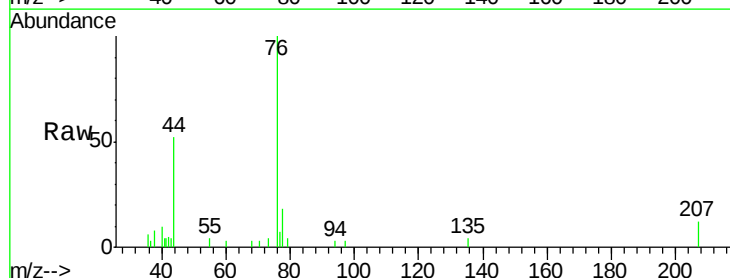
Acq: 06 Jul 2020 13:24

Tgt Ion: 76 Resp: 3593

Ion Ratio Lower Upper

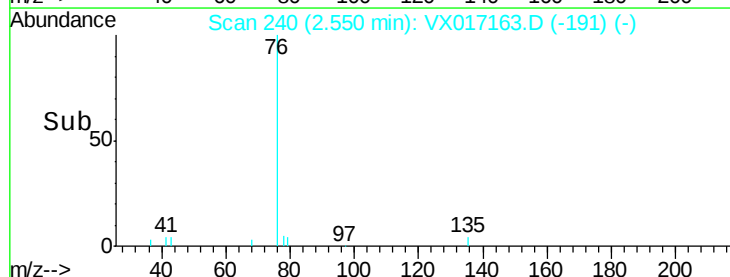
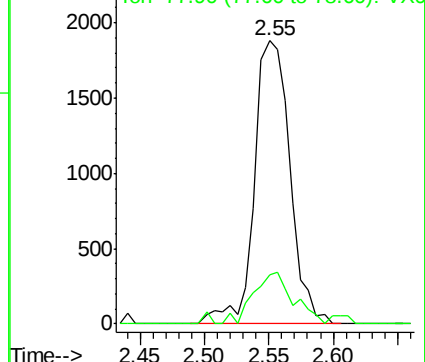
76 100

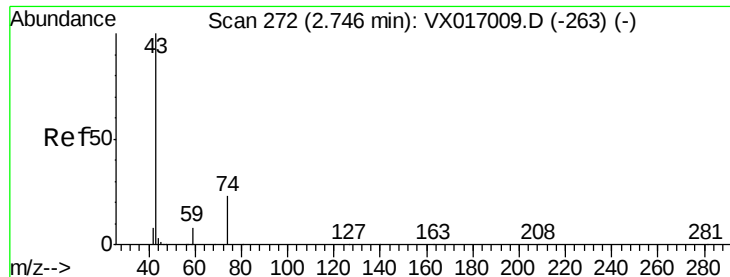
78 17.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

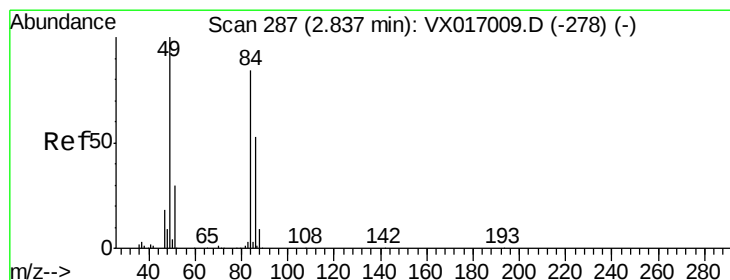
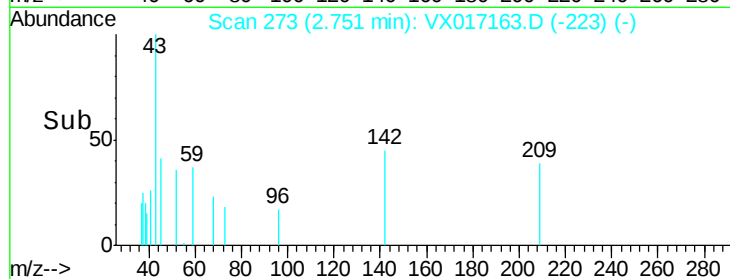
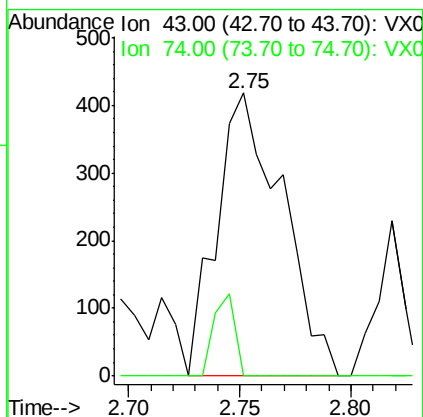
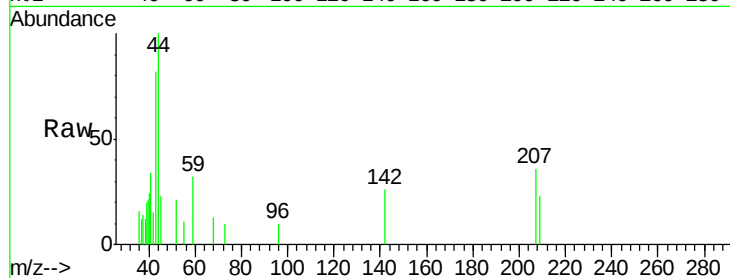




#18
Methyl Acetate
Concen: 0.264 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017163.D
Acq: 06 Jul 2020 13:24

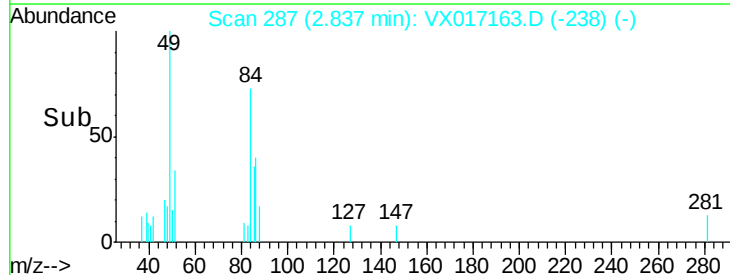
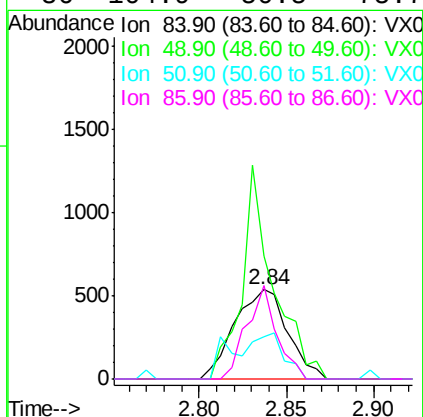
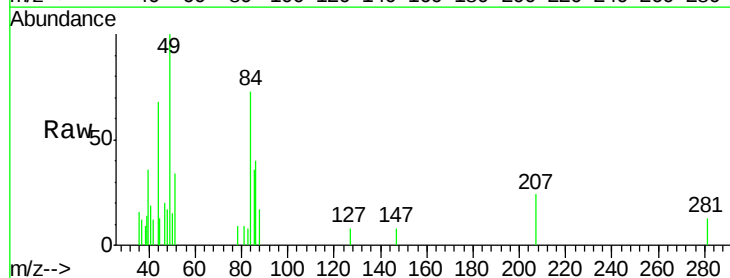
Instrument :
MSVOA_X
ClientSampleId :
VX0706MBL01

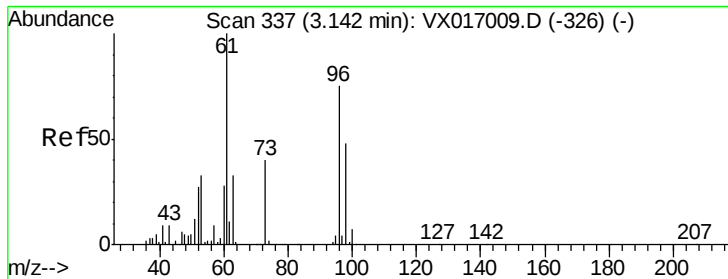
Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
74 9.2 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017163.D
Acq: 06 Jul 2020 13:24

Tgt Ion: 84 Resp: 1131
Ion Ratio Lower Upper
84 100
49 137.1 94.7 142.1
51 47.2 28.6 42.8#
86 104.9 50.5 75.7#





#21

trans-1,2-Dichloroethene

Concen: 0.313 ug/l

RT: 3.15 min Scan# 339

Delta R.T. 0.01 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0706MBL01

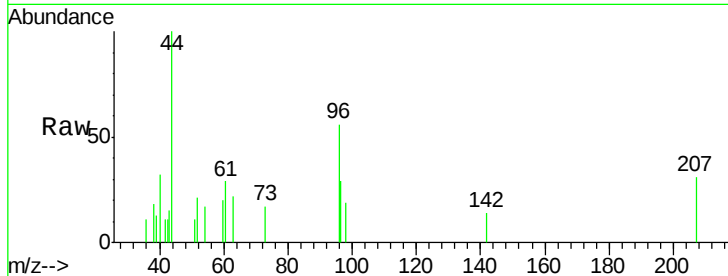
Tgt Ion: 96 Resp: 927

Ion Ratio Lower Upper

96 100

61 34.0 107.0 160.6#

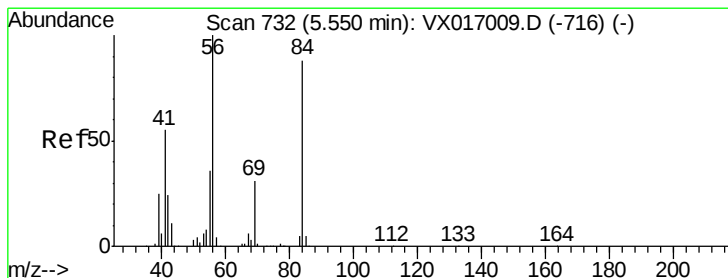
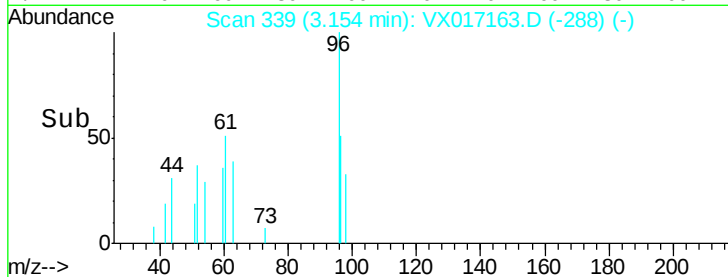
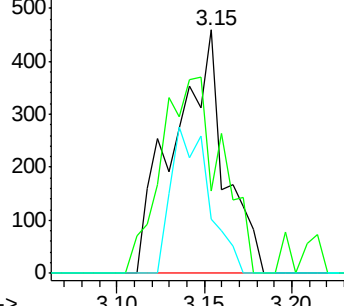
98 22.0 51.6 77.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

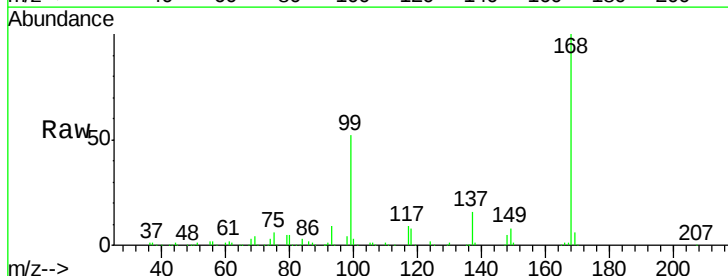
Tgt Ion: 56 Resp: 5500

Ion Ratio Lower Upper

56 100

69 216.3 25.0 37.4#

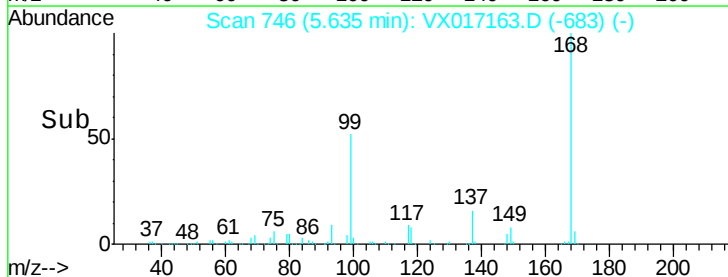
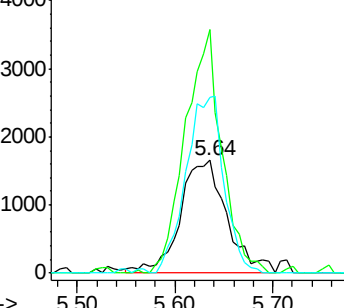
84 156.2 69.1 103.7#

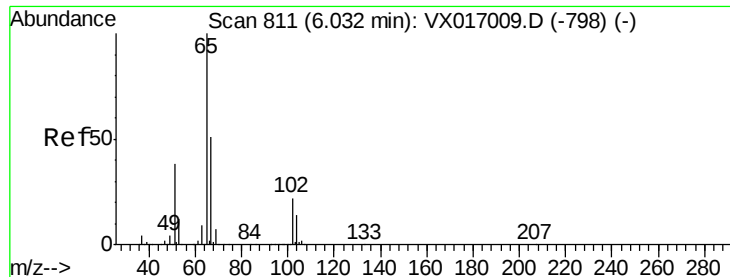


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.506 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

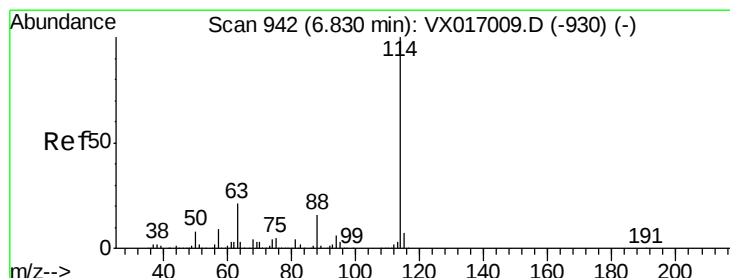
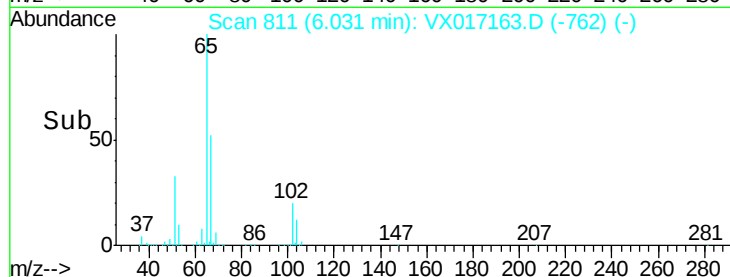
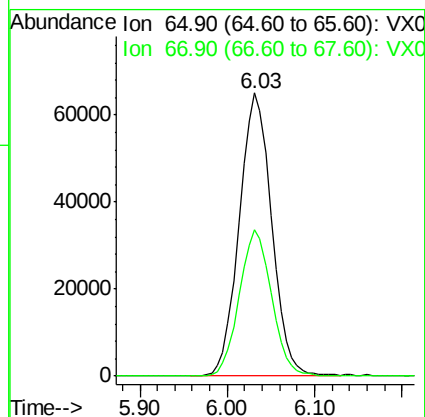
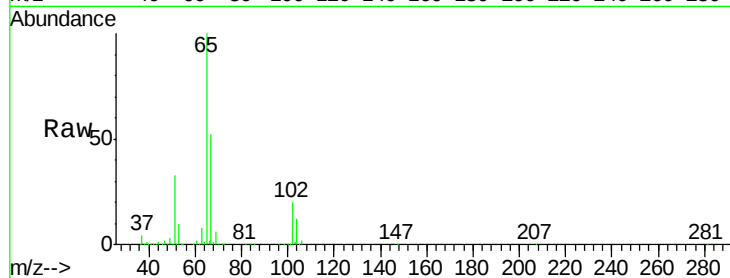
VX0706MBL01

Tgt Ion: 65 Resp: 167767

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

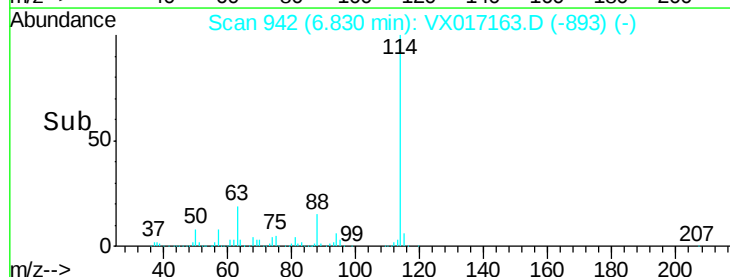
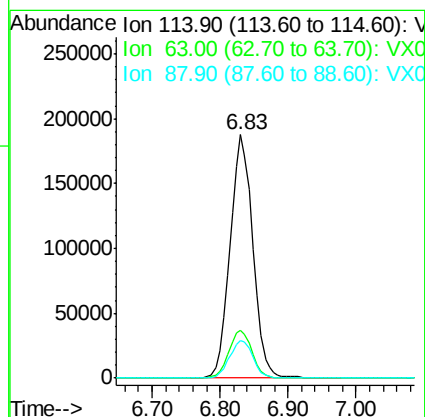
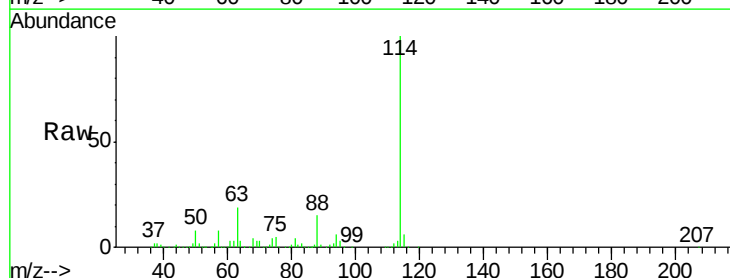
Tgt Ion: 114 Resp: 435621

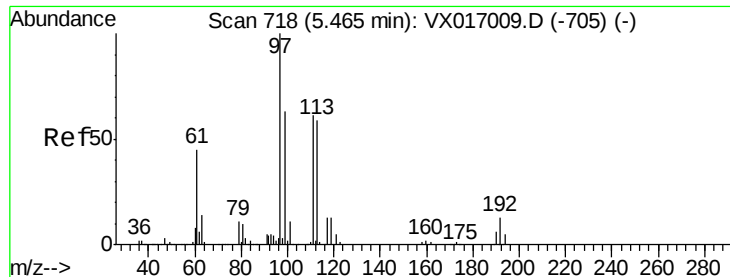
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

88 15.5 0.0 32.4

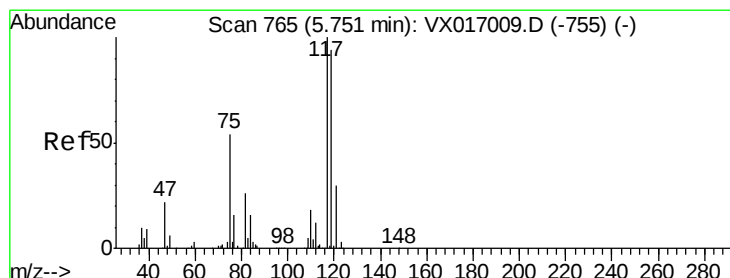
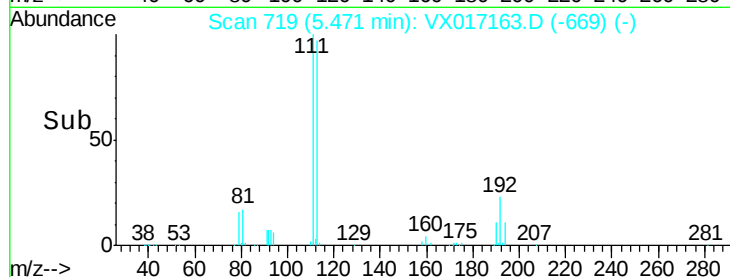
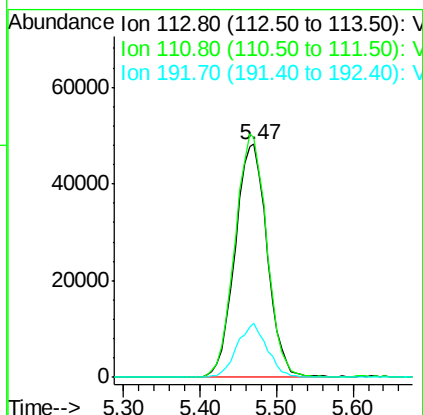
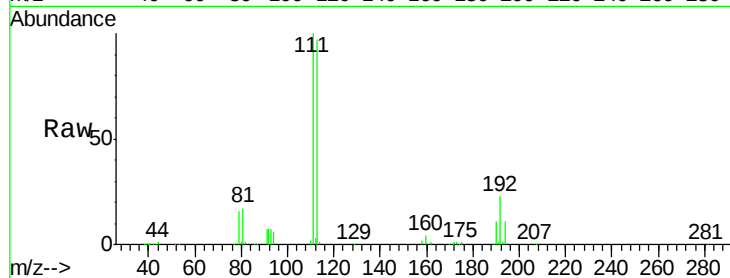




#35
 Dibromofluoromethane
 Concen: 50.929 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017163.D
 Acq: 06 Jul 2020 13:24

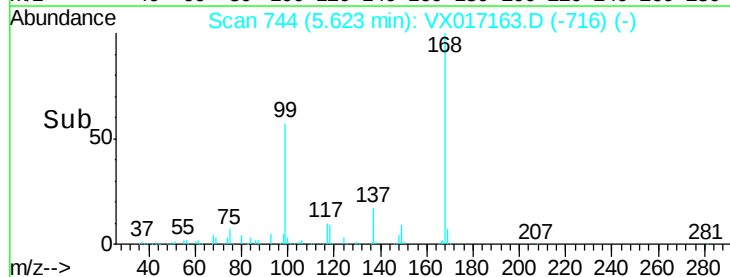
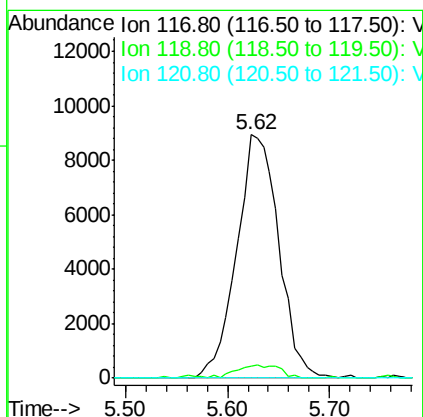
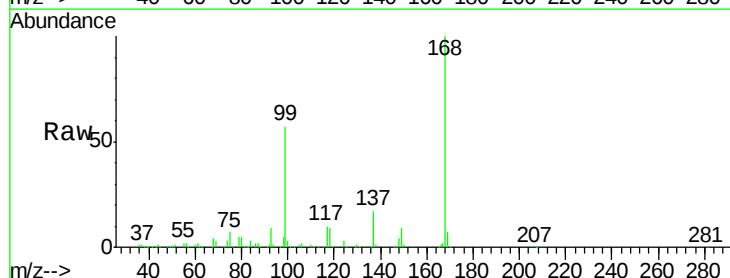
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706MBL01

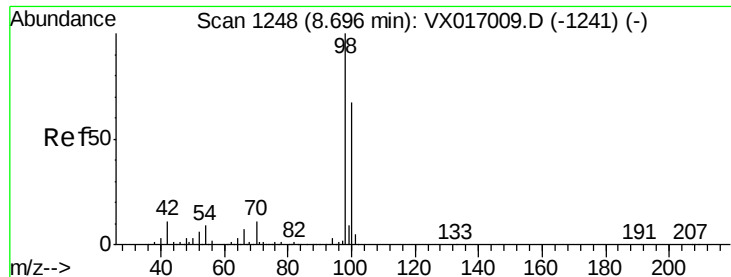
Tgt Ion:113 Resp: 140340
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.9 122.9
 192 22.0 16.7 25.1



#38
 Carbon Tetrachloride
 Concen: 5.637 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX017163.D
 Acq: 06 Jul 2020 13:24

Tgt Ion:117 Resp: 25564
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.4 113.0#
 121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 52.150 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

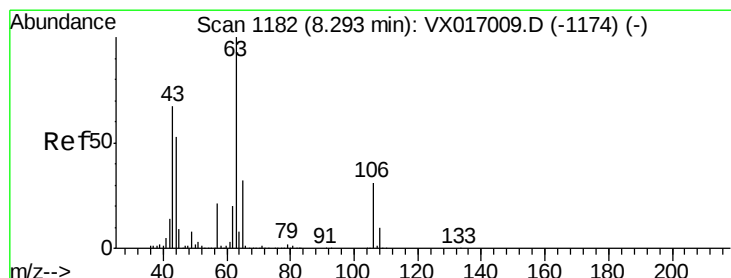
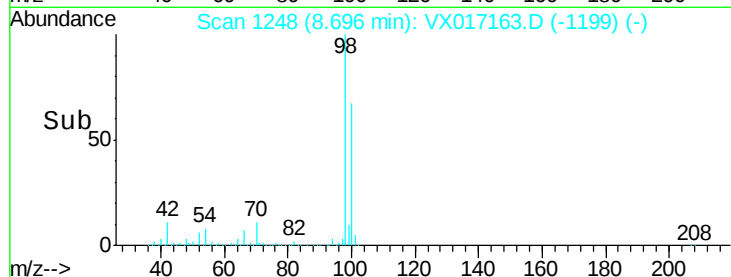
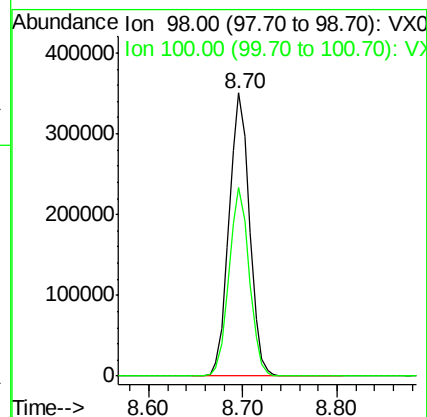
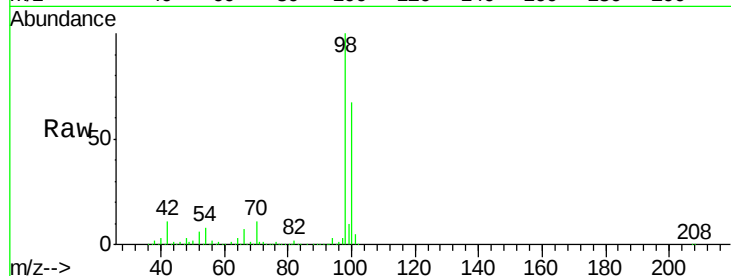
VX0706MBL01

Tgt Ion: 98 Resp: 531394

Ion Ratio Lower Upper

98 100

100 65.8 53.8 80.6



#58

2-Chloroethyl Vinyl ether

Concen: 0.235 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX017163.D

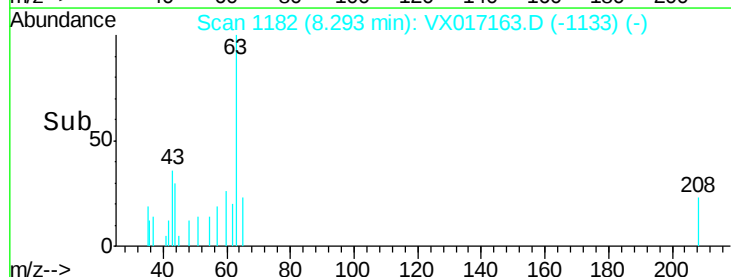
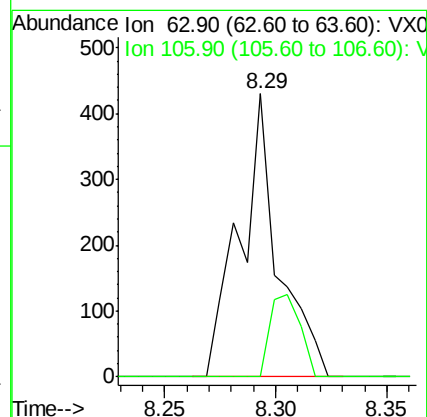
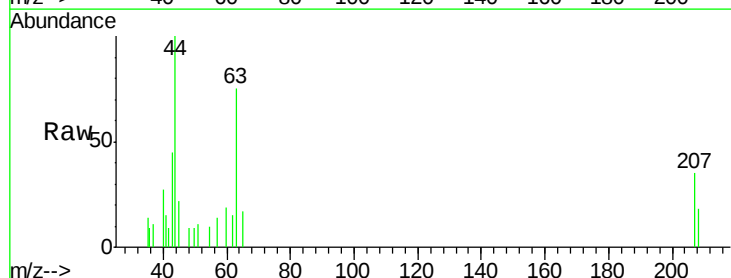
Acq: 06 Jul 2020 13:24

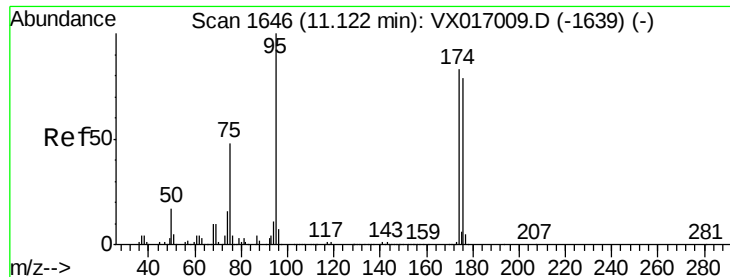
Tgt Ion: 63 Resp: 514

Ion Ratio Lower Upper

63 100

106 22.8 24.0 36.0#





#62

4-Bromofluorobenzene

Concen: 55.788 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0706MBL01

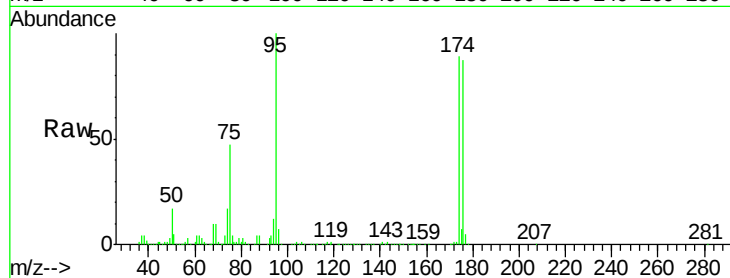
Tgt Ion: 95 Resp: 222220

Ion Ratio Lower Upper

95 100

174 87.8 0.0 164.0

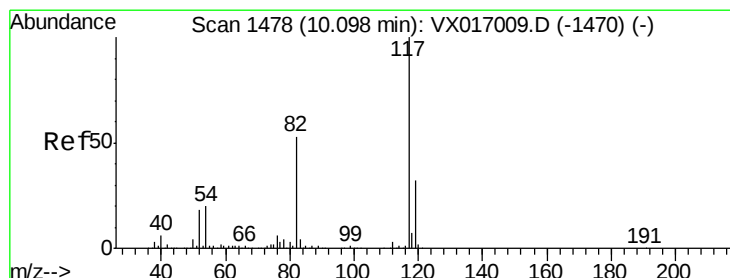
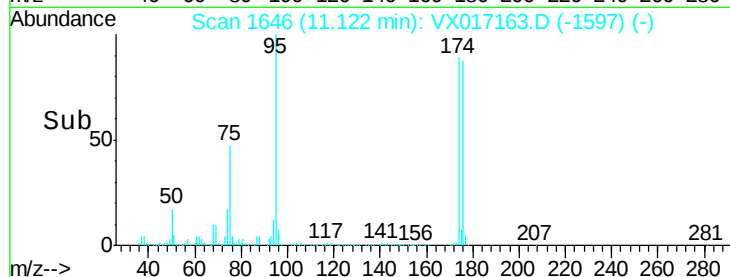
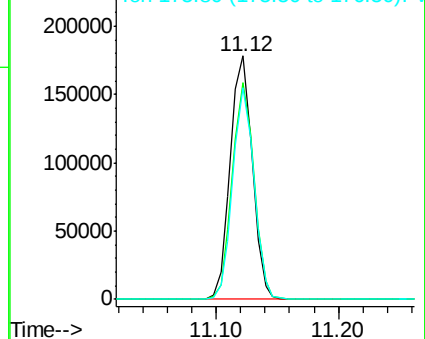
176 83.9 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017163.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017163.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017163.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

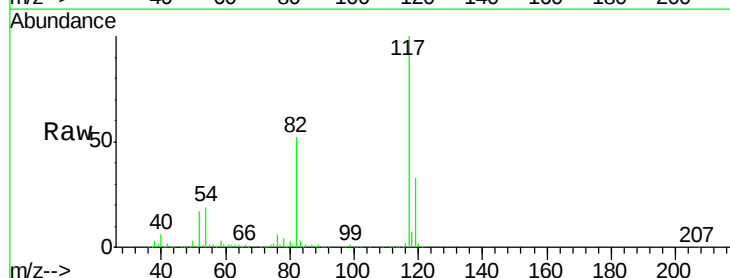
Tgt Ion: 117 Resp: 450914

Ion Ratio Lower Upper

117 100

82 52.1 42.6 63.8

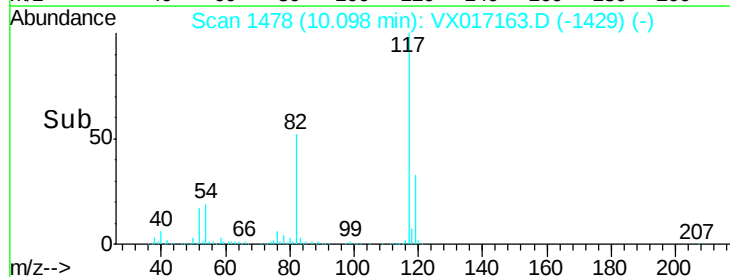
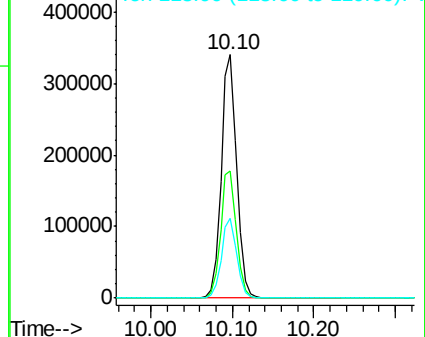
119 32.6 25.4 38.2

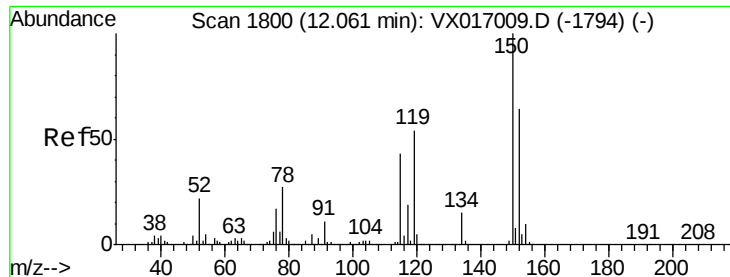


Abundance Ion 116.90 (116.60 to 117.60): VX017163.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017163.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017163.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: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0706MBL01

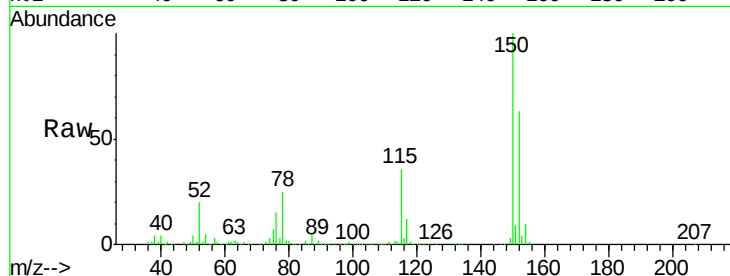
Tgt Ion:152 Resp: 246912

Ion Ratio Lower Upper

152 100

115 56.7 40.9 122.7

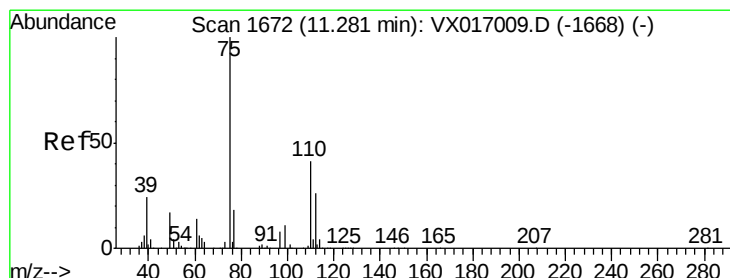
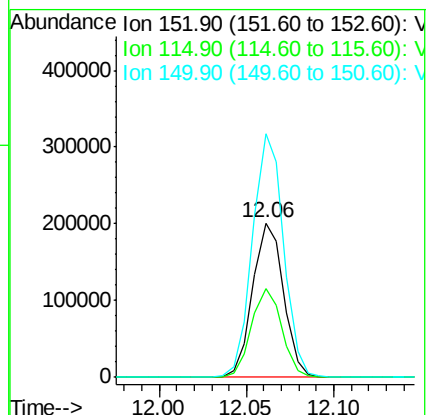
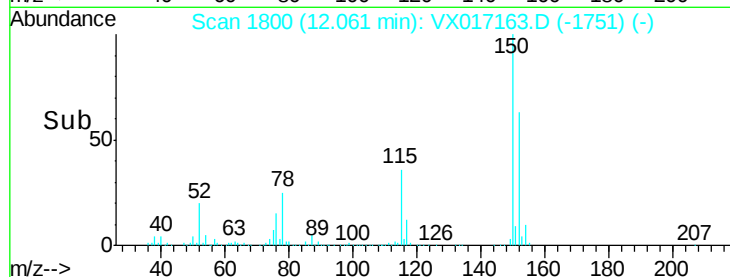
150 158.5 0.0 351.6



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: 22.748 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017163.D

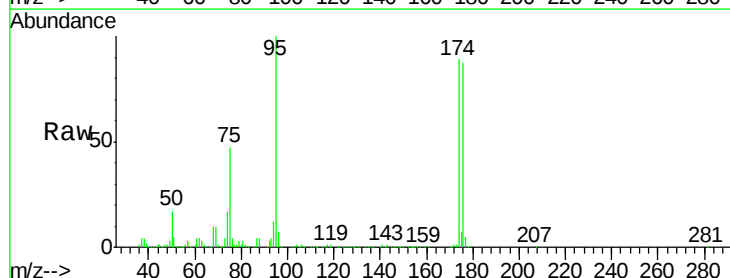
Acq: 06 Jul 2020 13:24

Tgt Ion: 75 Resp: 110451

Ion Ratio Lower Upper

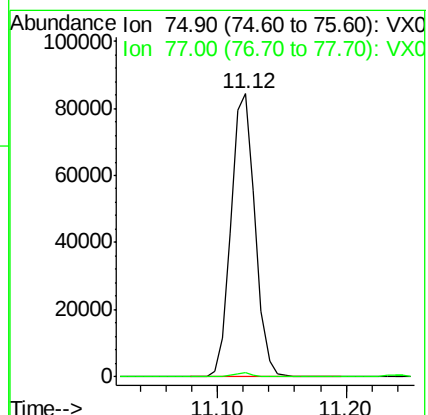
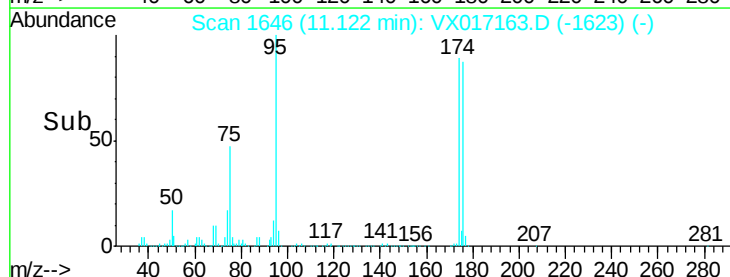
75 100

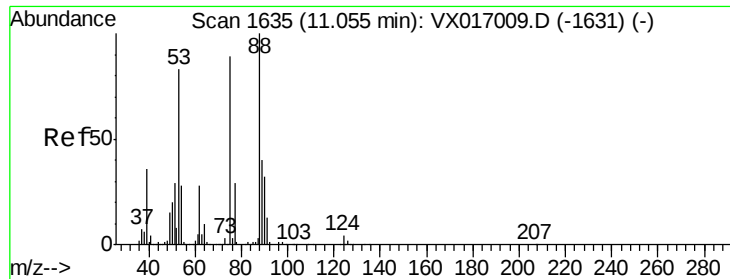
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

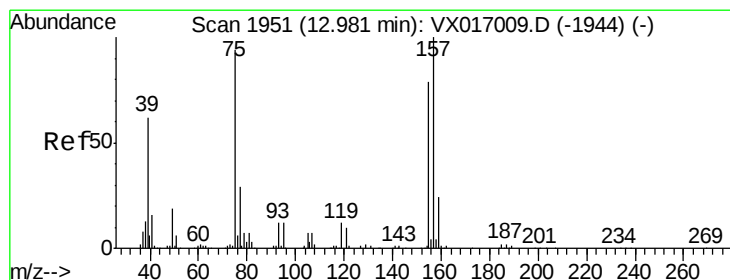
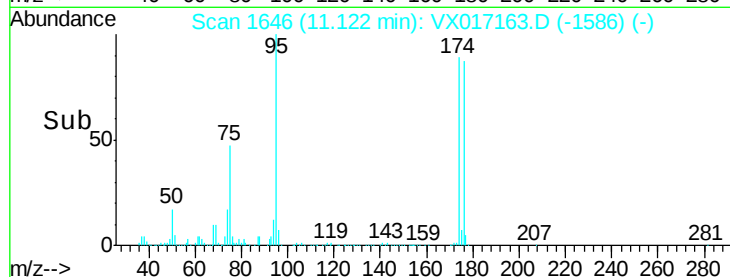
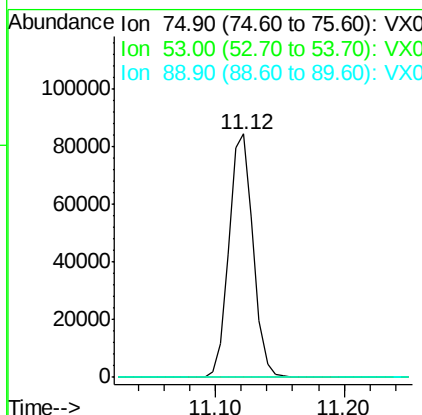
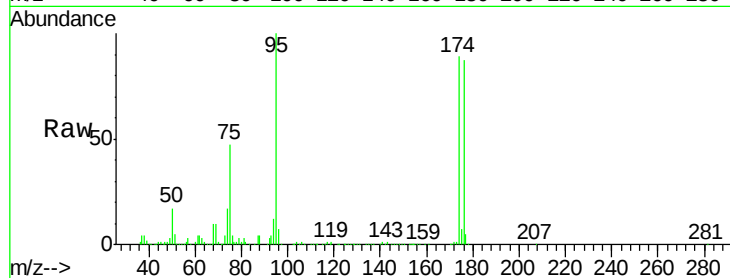




#81
trans-1,4-Dichloro-2-butene
Concen: 58.910 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017163.D
Acq: 06 Jul 2020 13:24

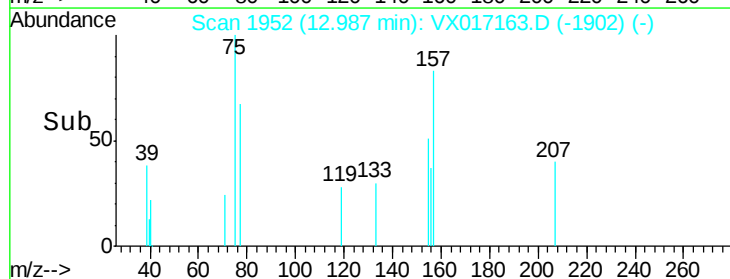
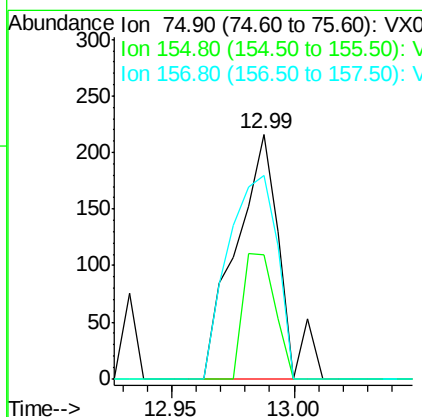
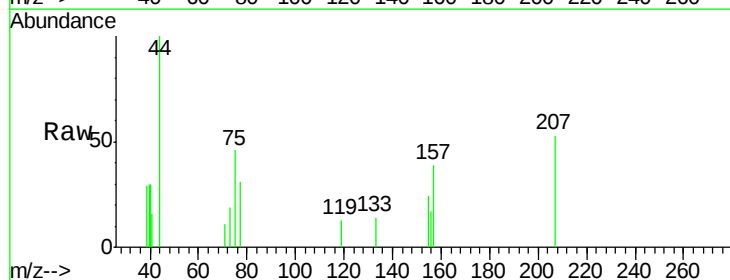
Instrument :
MSVOA_X
ClientSampleId :
VX0706MBL01

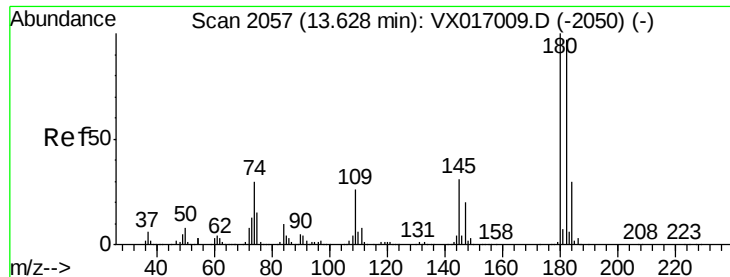
Tgt Ion: 75 Resp: 110451
Ion Ratio Lower Upper
75 100
53 0.3 72.4 108.6#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.224 ug/l
RT: 12.99 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VX017163.D
Acq: 06 Jul 2020 13:24

Tgt Ion: 75 Resp: 272
Ion Ratio Lower Upper
75 100
155 36.8 45.1 135.2#
157 92.3 56.5 169.3

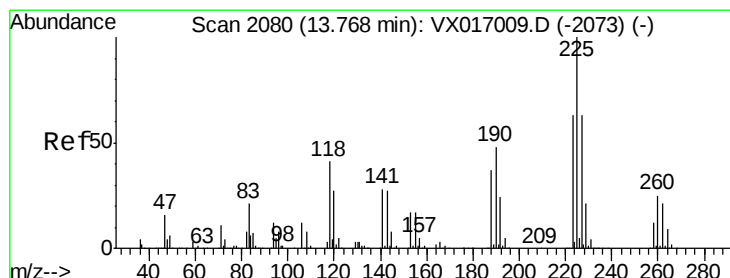
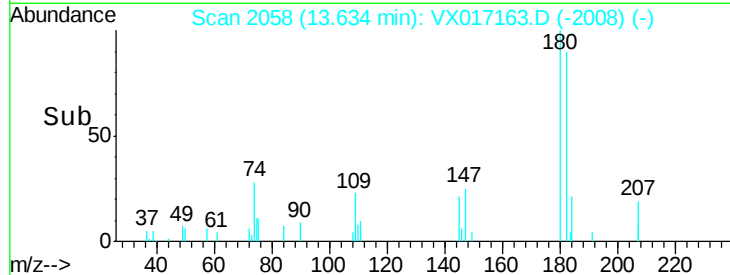
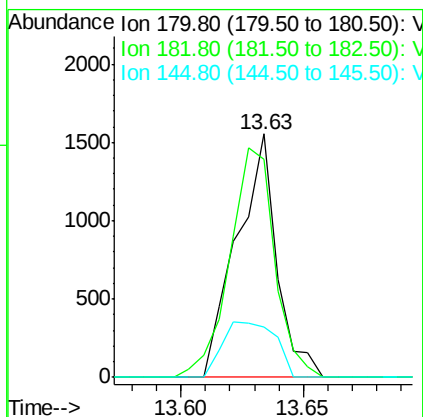
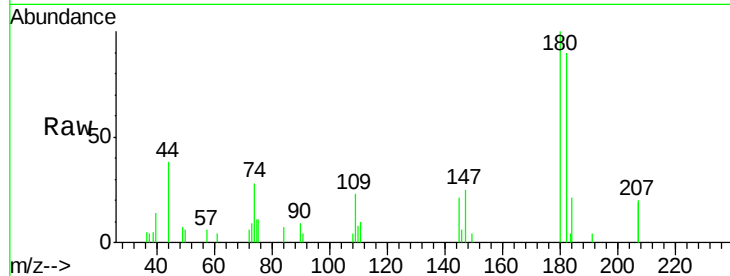




#93
 1,2,4-Trichlorobenzene
 Concen: 0.343 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX017163.D
 Acq: 06 Jul 2020 13:24

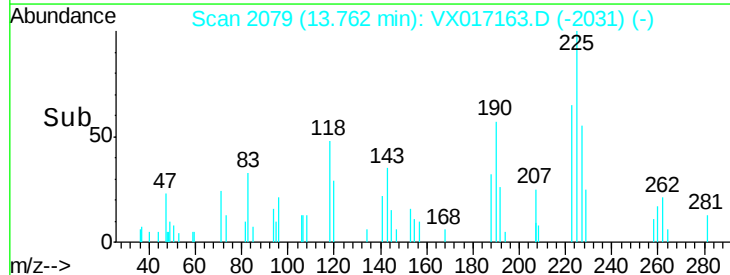
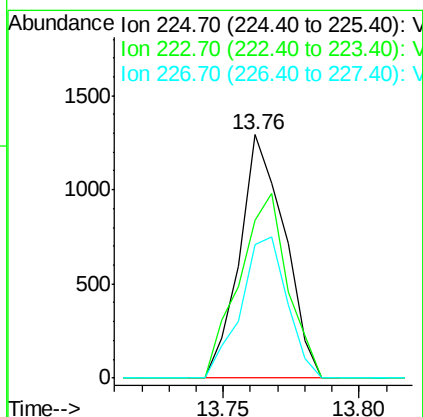
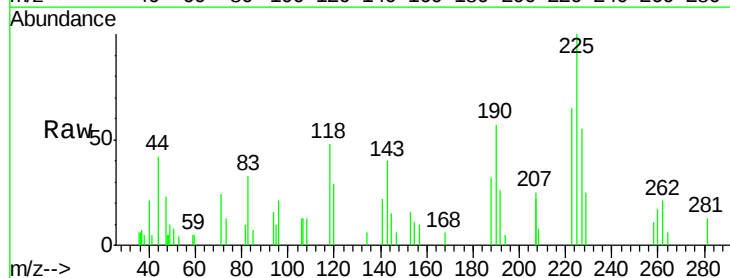
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706MBL01

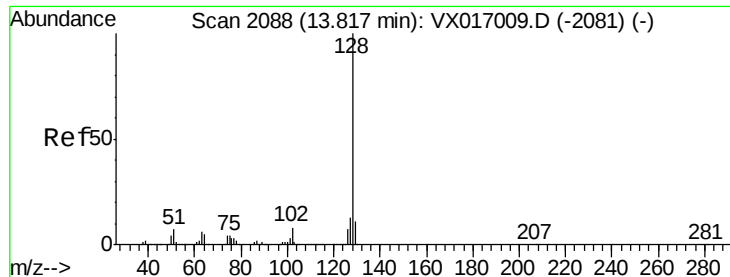
Tgt Ion:180 Resp: 1768
 Ion Ratio Lower Upper
 180 100
 182 105.8 47.3 141.9
 145 30.0 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 1.589 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017163.D
 Acq: 06 Jul 2020 13:24

Tgt Ion:225 Resp: 1480
 Ion Ratio Lower Upper
 225 100
 223 81.5 32.5 97.5
 227 59.9 33.1 99.2





#95

Naphthalene

Concen: 0.268 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0706MBL01

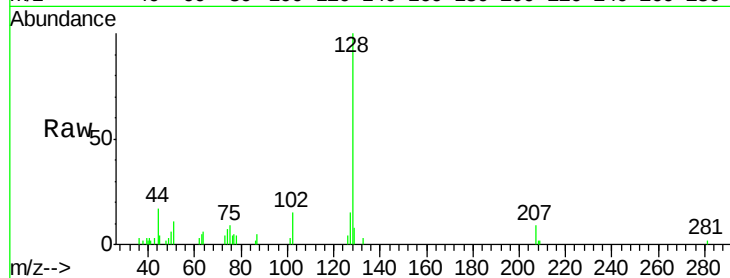
Tgt Ion:128 Resp: 4199

Ion Ratio Lower Upper

128 100

127 16.1 10.2 15.4#

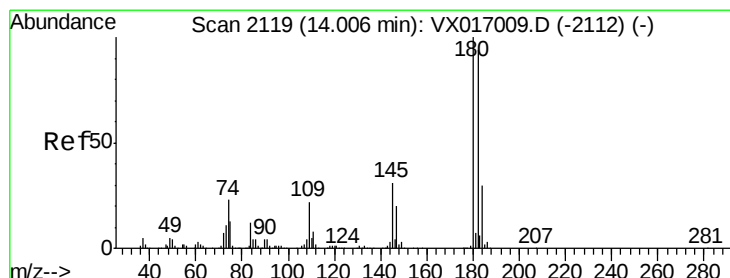
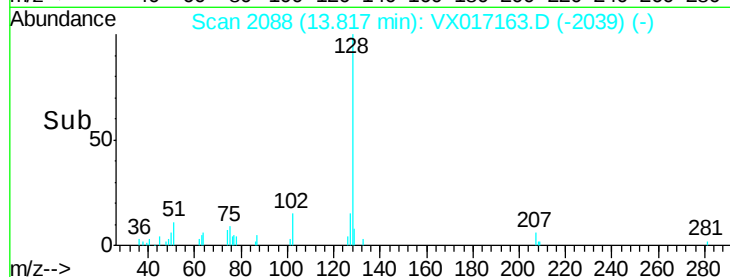
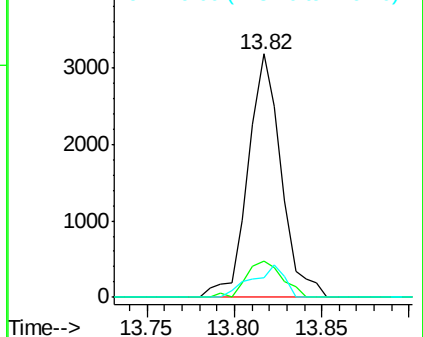
129 13.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.391 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX017163.D

Acq: 06 Jul 2020 13:24

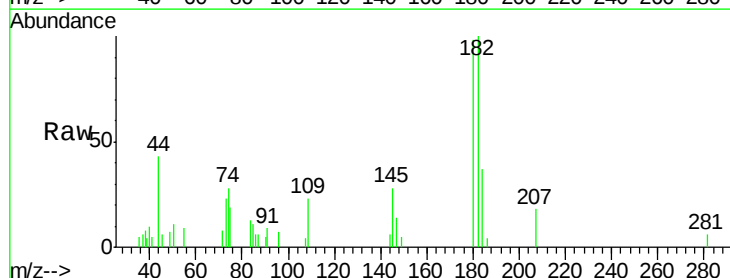
Tgt Ion:180 Resp: 1951

Ion Ratio Lower Upper

180 100

182 97.6 47.1 141.4

145 35.3 16.6 49.7



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

