

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX017156.D
 Acq On : 02 Jul 2020 18:11
 Operator : JC/SP
 Sample : L3188-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 08:00:29 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

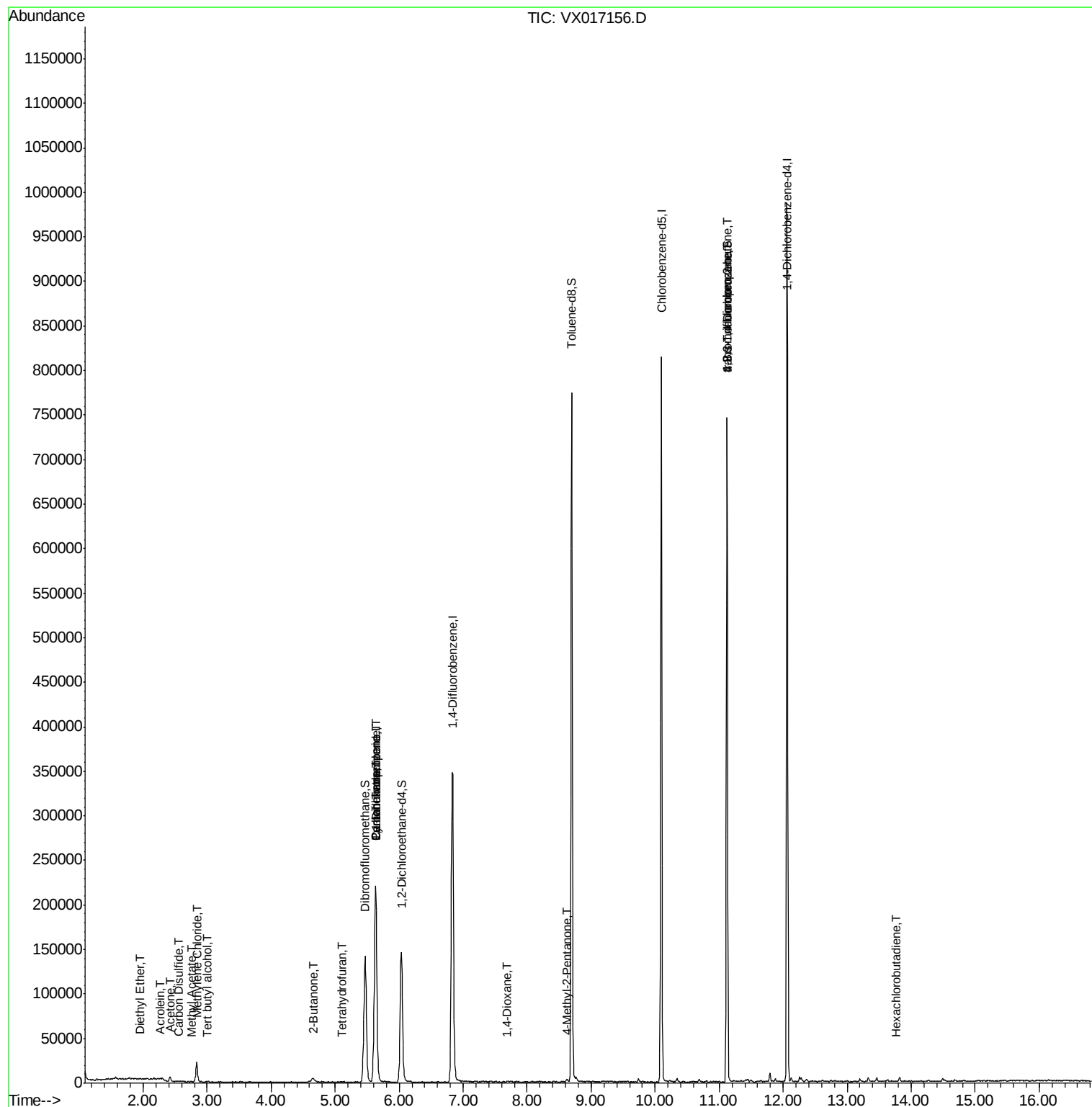
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	213005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	360615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	374906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203068	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	141276	53.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.60%	
35) Dibromofluoromethane	5.47	113	121991	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
50) Toluene-d8	8.70	98	437060	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.12	95	187147	56.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.52%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.95	74	49	0.408	ug/l	93
11) Tert butyl alcohol	3.01	59	158	0.315	ug/l #	73
13) Acrolein	2.26	56	162	0.541	ug/l #	7
16) Acetone	2.42	43	5815	5.920	ug/l	92
17) Carbon Disulfide	2.56	76	1122	0.214	ug/l #	91
18) Methyl Acetate	2.75	43	581	0.227	ug/l #	51
20) Methylene Chloride	2.84	84	10206	3.807	ug/l	90
25) 2-Butanone	4.65	43	1696	1.036	ug/l #	82
29) Tetrahydrofuran	5.09	42	667	0.617	ug/l #	33
31) Cyclohexane	5.63	56	4569	1.289	ug/l #	55
36) 1,1-Dichloropropene	5.64	75	15766	4.626	ug/l #	50
38) Carbon Tetrachloride	5.64	117	21127	5.628	ug/l #	17
44) Trichloroethene	7.19	130	93	Below Cal		89
49) 1,4-Dioxane	7.68	88	20	0.323	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	1744	0.509	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	94640	23.700	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	94640	61.375	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	465	Below Cal	#	25
94) Hexachlorobutadiene	13.77	225	25	0.859	ug/l #	17

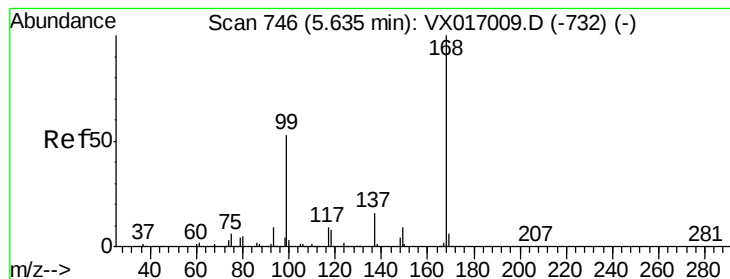
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

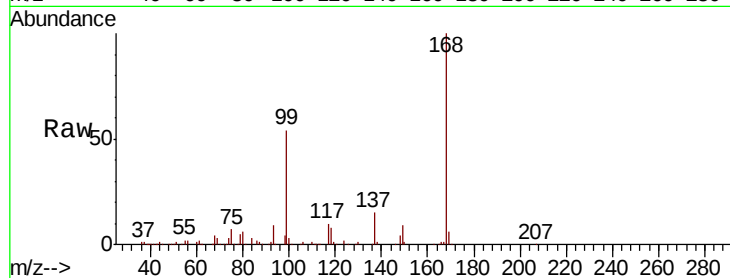
ClientSampled :

Tot Ion:168 Resp: 213005

Ion Ratio Lower Upper

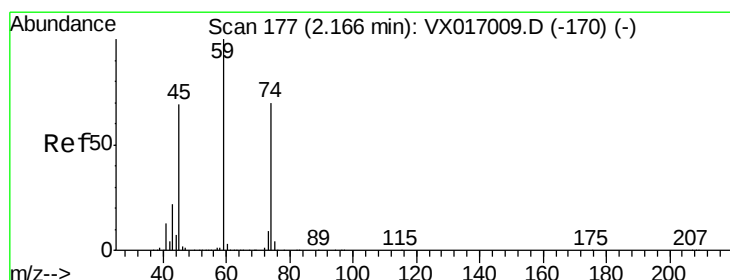
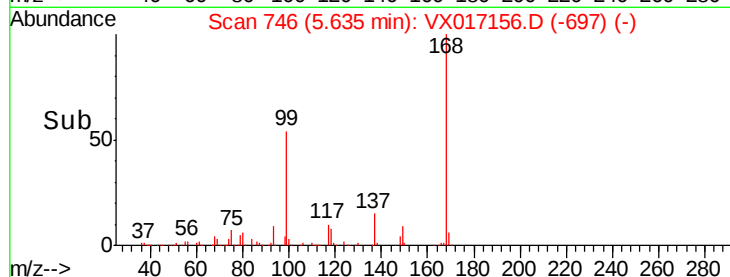
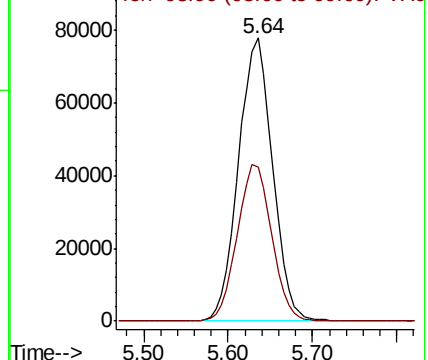
168 100

99 54.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.408 ug/l

RT: 1.95 min Scan# 141

Delta R.T. -0.22 min

Lab File: VX017156.D

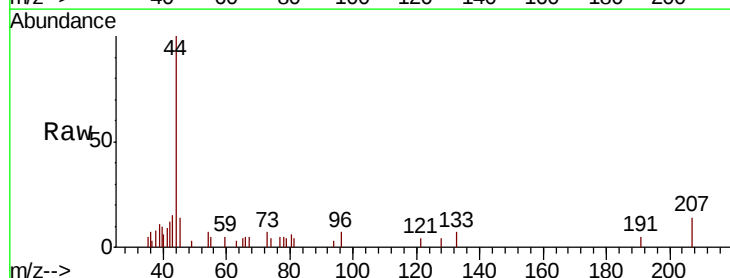
Acq: 02 Jul 2020 18:11

Tgt Ion: 74 Resp: 49

Ion Ratio Lower Upper

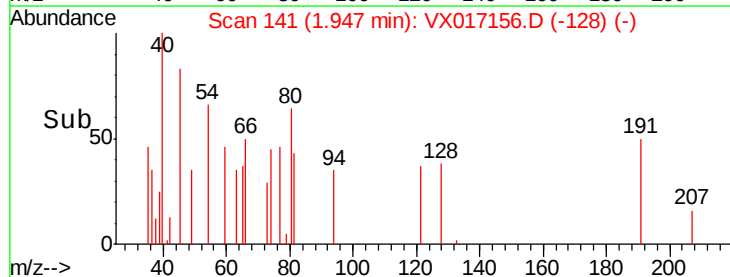
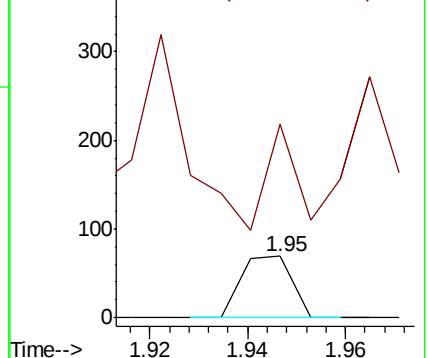
74 100

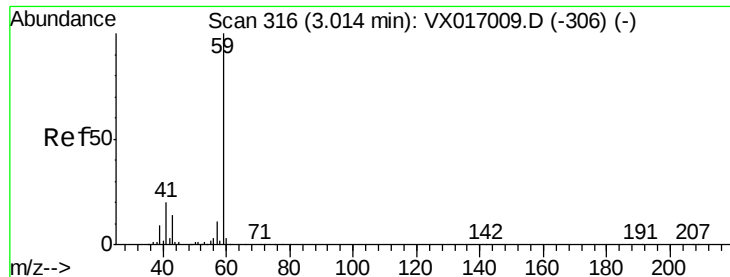
45 106.1 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

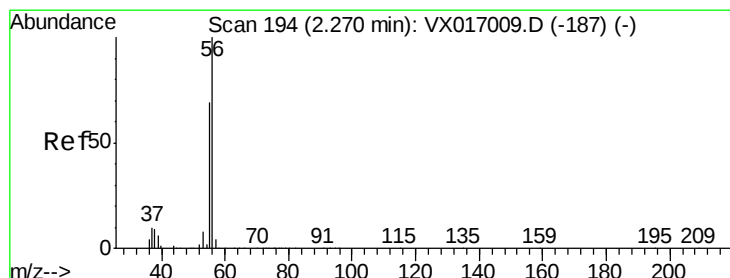
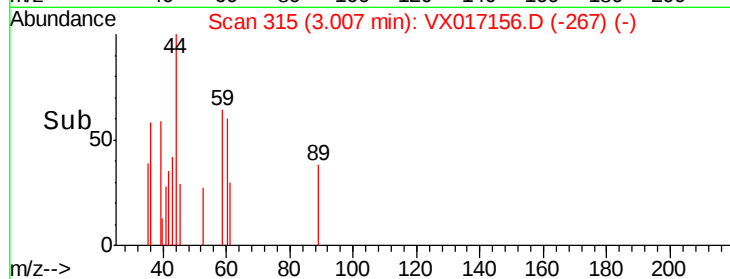
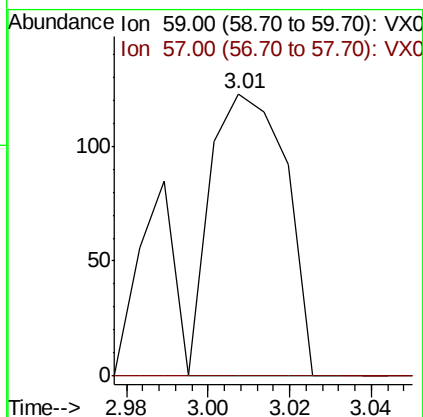
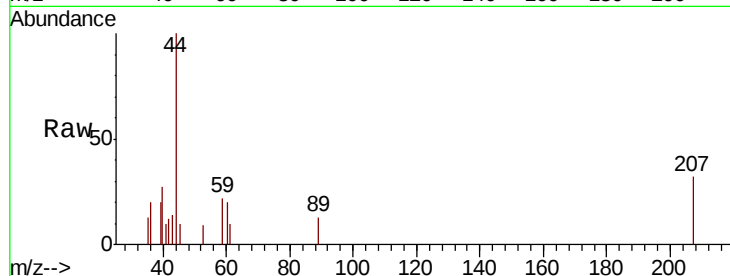




#11
Tert butyl alcohol
Concen: 0.315 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017156.D
Acq: 02 Jul 2020 18:11

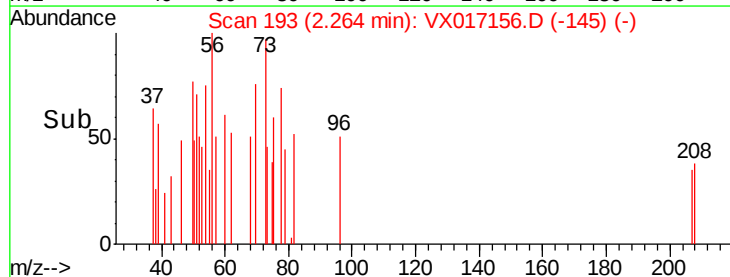
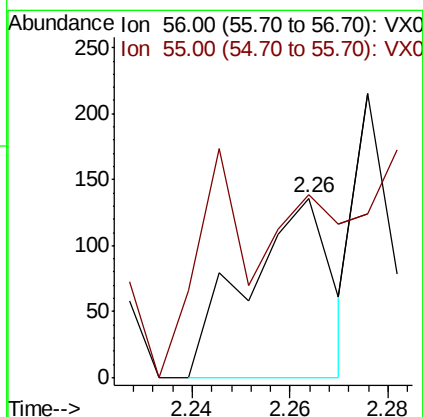
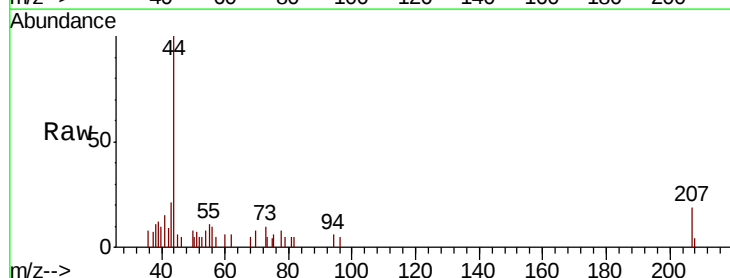
Instrument :
MSVOA_X
ClientSampled :

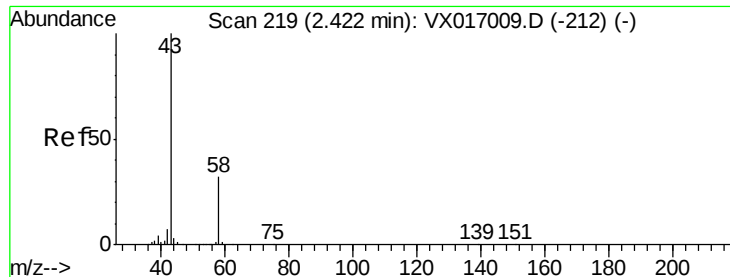
Tot Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.541 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017156.D
Acq: 02 Jul 2020 18:11

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 145.7 55.7 83.5#





#16

Acetone

Concen: 5.920 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

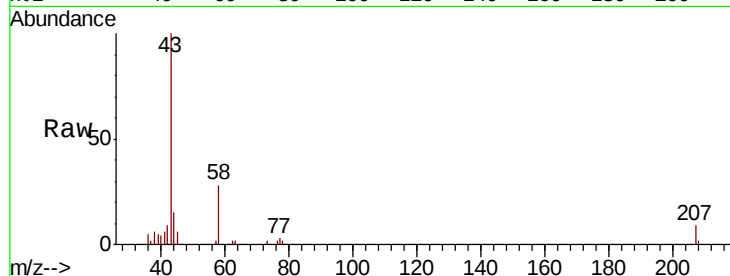
ClientSampleId :

Tot Ion: 43 Resp: 5815

Ion Ratio Lower Upper

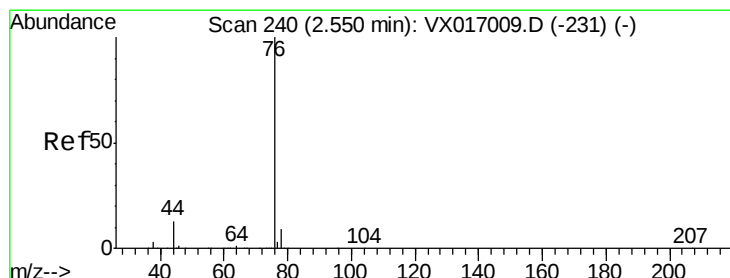
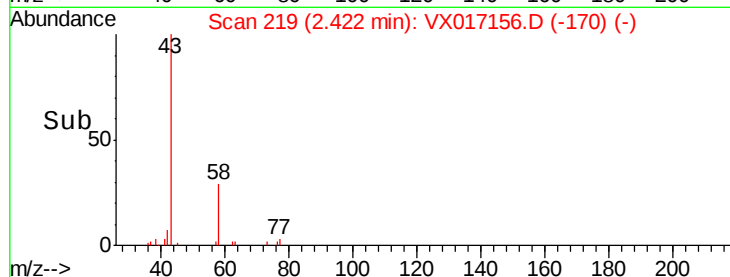
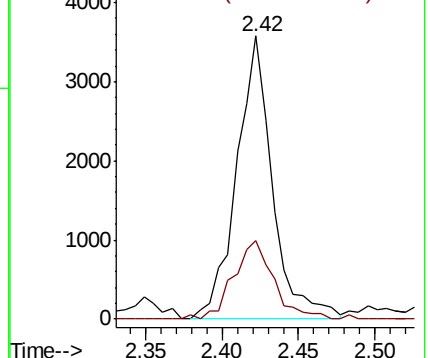
43 100

58 27.9 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: 0.214 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017156.D

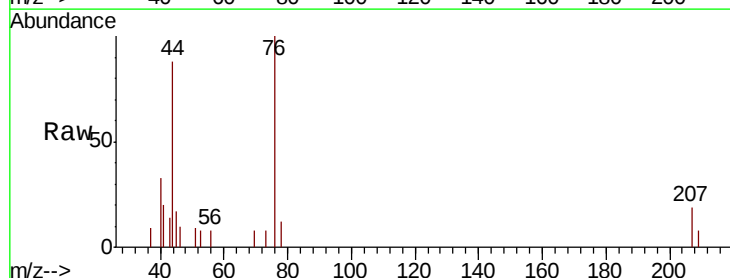
Acq: 02 Jul 2020 18:11

Tgt Ion: 76 Resp: 1122

Ion Ratio Lower Upper

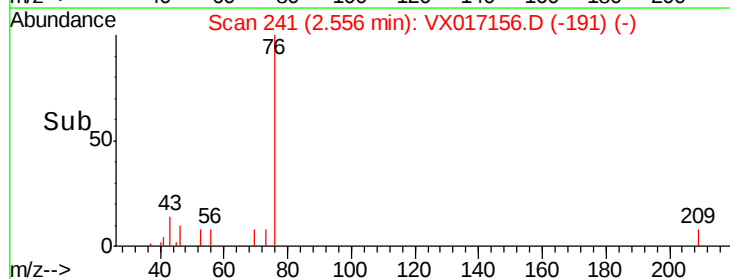
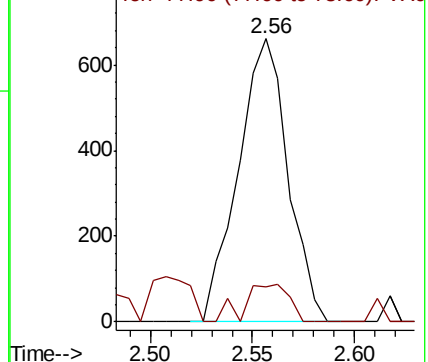
76 100

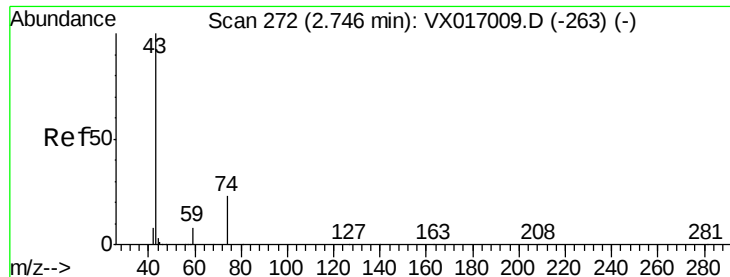
78 12.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

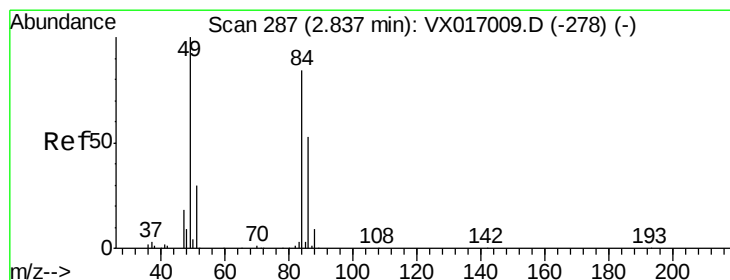
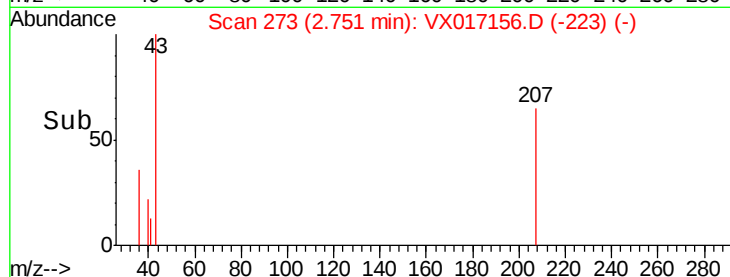
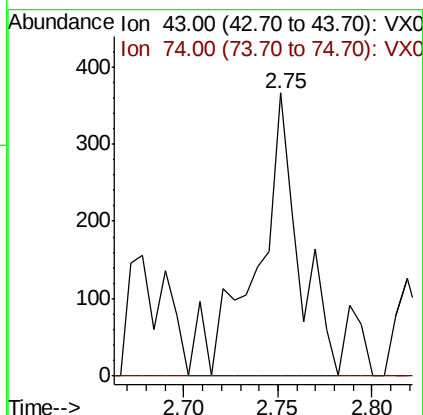
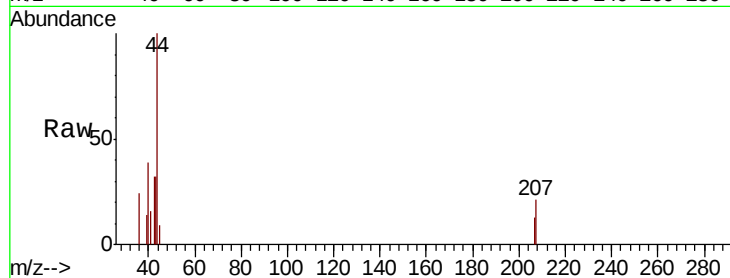




#18
Methyl Acetate
Concen: 0.227 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017156.D
Acq: 02 Jul 2020 18:11

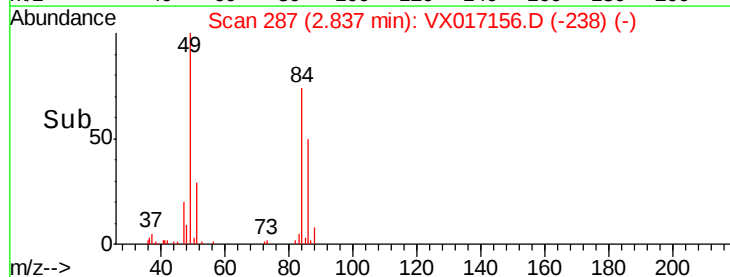
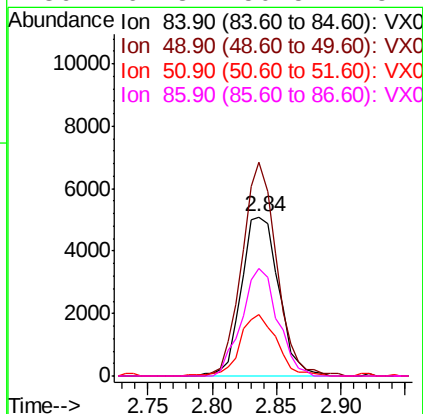
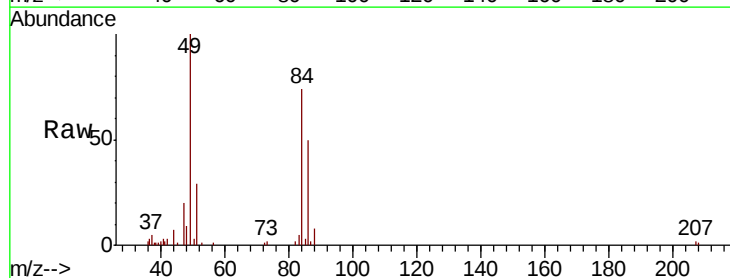
Instrument :
MSVOA_X
ClientSampled :

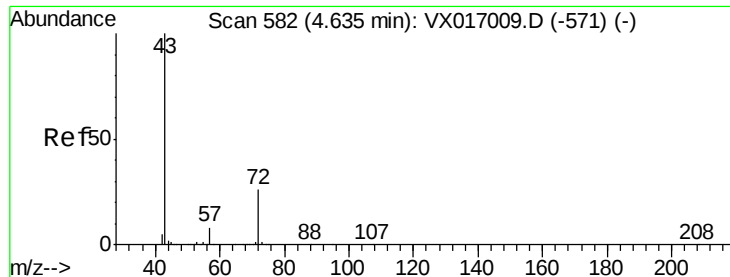
Tot Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: 3.807 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017156.D
Acq: 02 Jul 2020 18:11

Tgt Ion: 84 Resp: 10206
Ion Ratio Lower Upper
84 100
49 134.4 94.7 142.1
51 38.4 28.6 42.8
86 67.3 50.5 75.7





#25

2-Butanone

Concen: 1.036 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

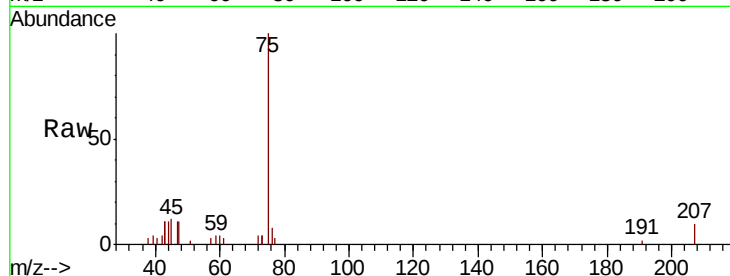
ClientSampled :

Tot Ion: 43 Resp: 1696

Ion Ratio Lower Upper

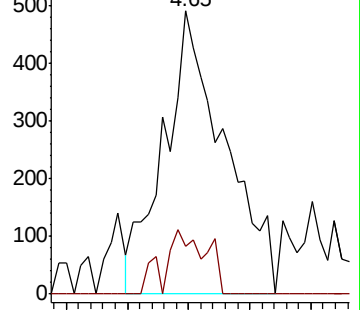
43 100

72 16.7 20.8 31.2#

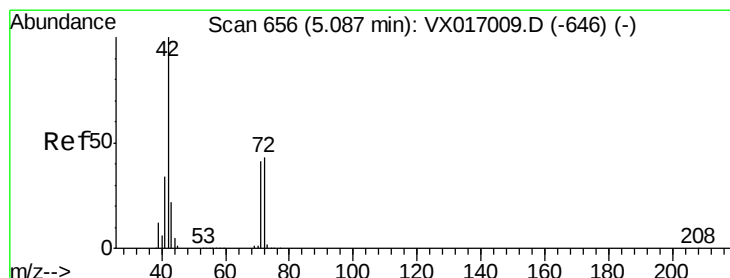
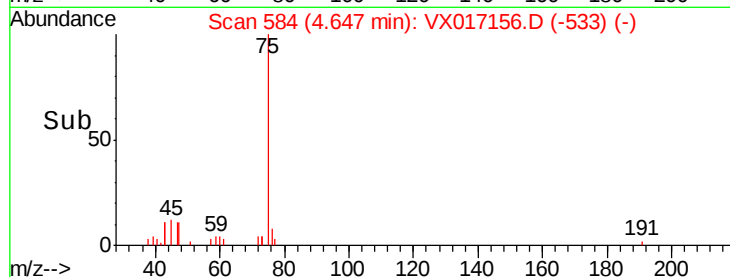


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.617 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

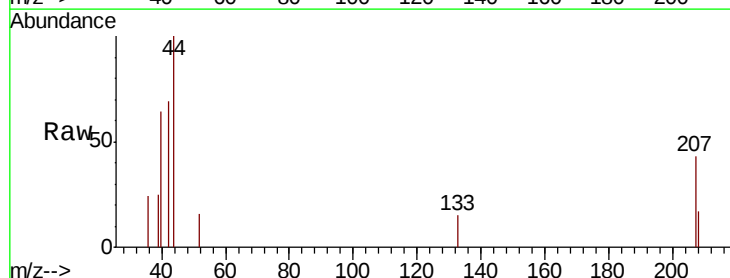
Tgt Ion: 42 Resp: 667

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

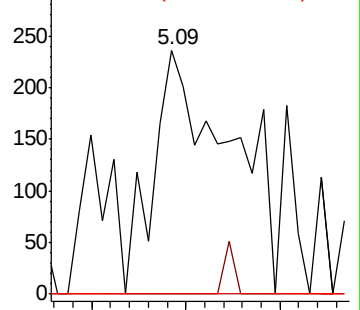
71 0.0 33.1 49.7#



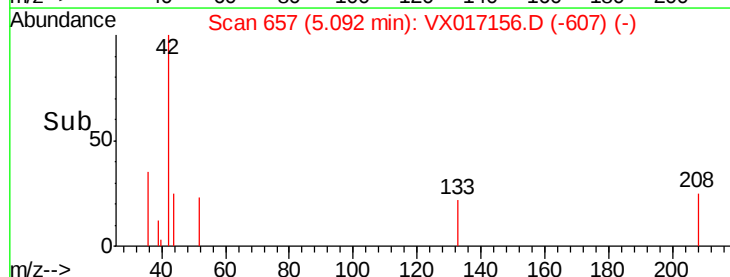
Abundance Ion 42.00 (41.70 to 42.70): VX0

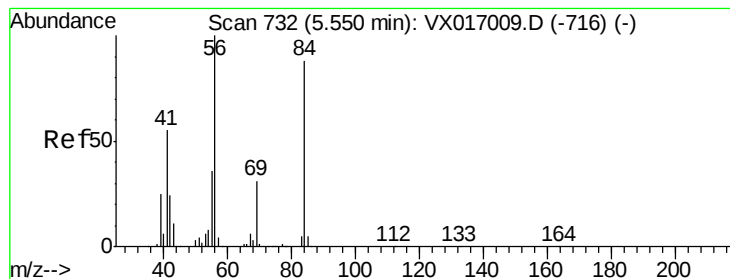
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 1.289 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

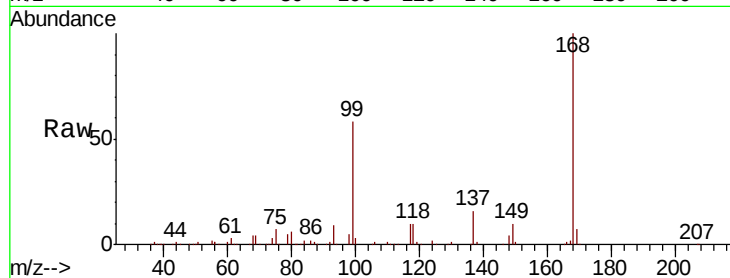
Tot Ion: 56 Resp: 4569

Ion Ratio Lower Upper

56 100

69 123.7 25.0 37.4#

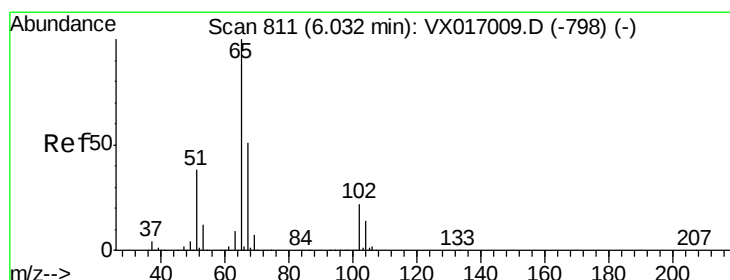
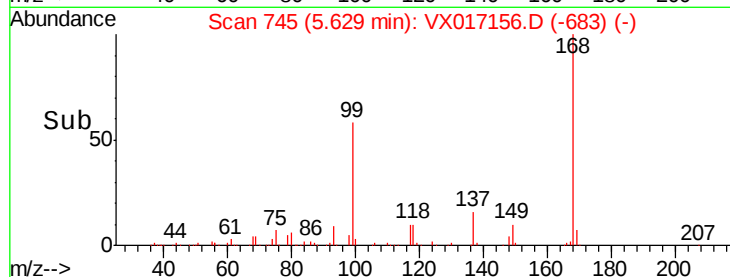
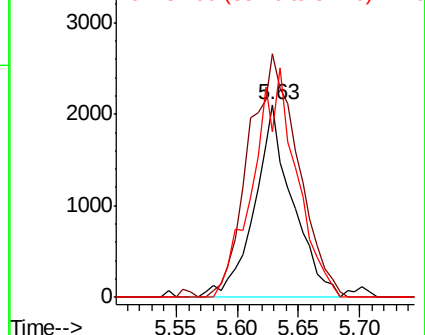
84 86.1 69.1 103.7



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: 53.800 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017156.D

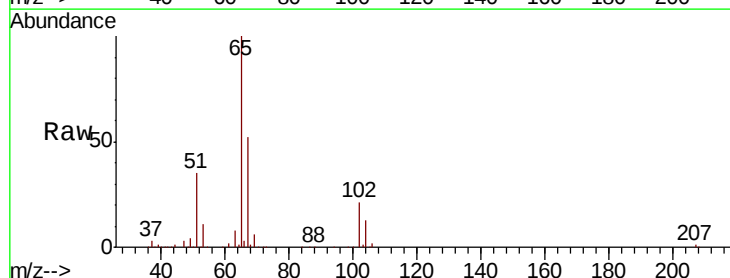
Acq: 02 Jul 2020 18:11

Tgt Ion: 65 Resp: 141276

Ion Ratio Lower Upper

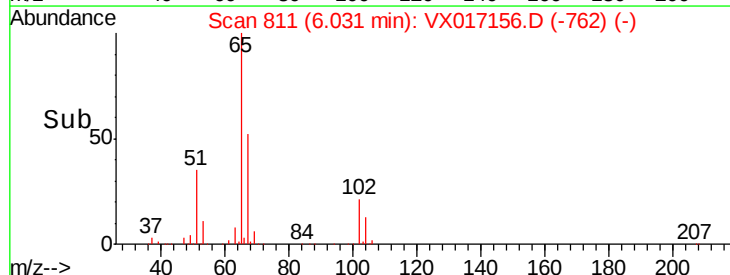
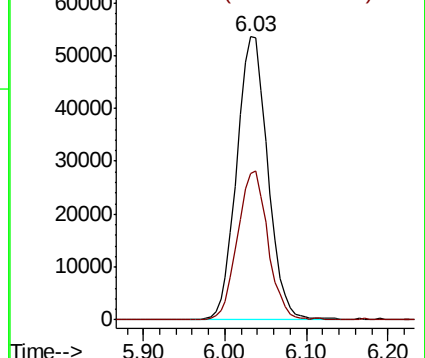
65 100

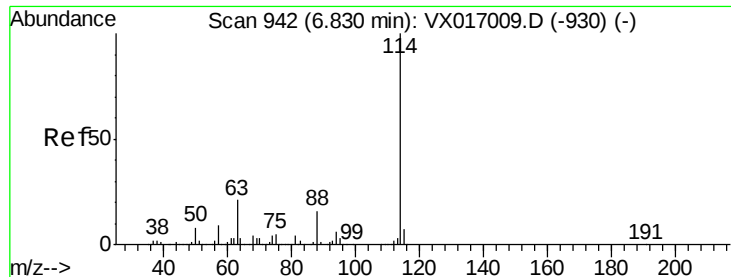
67 51.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

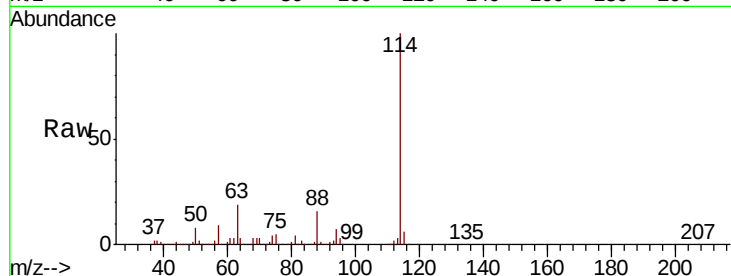
Tot Ion:114 Resp: 360615

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

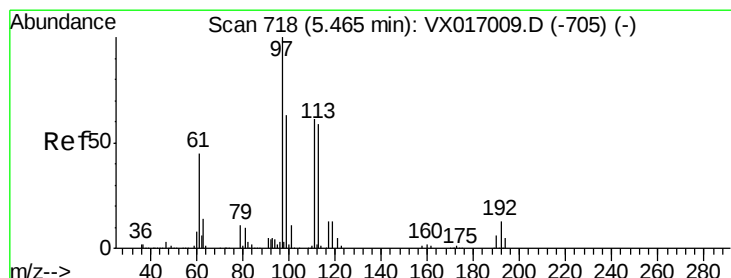
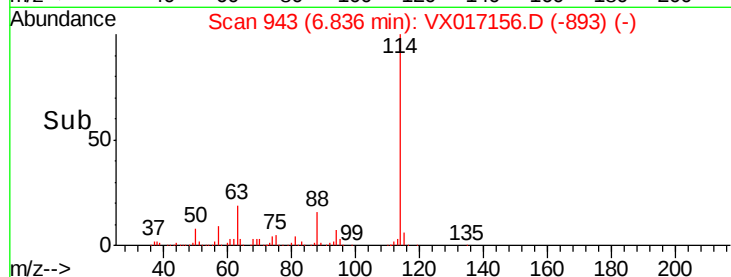
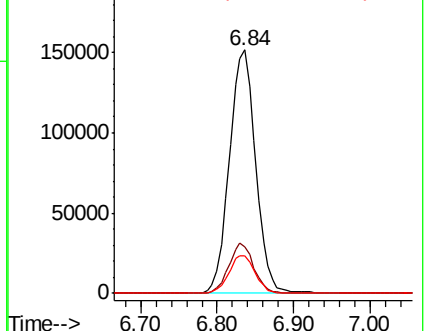
88 15.7 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.478 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

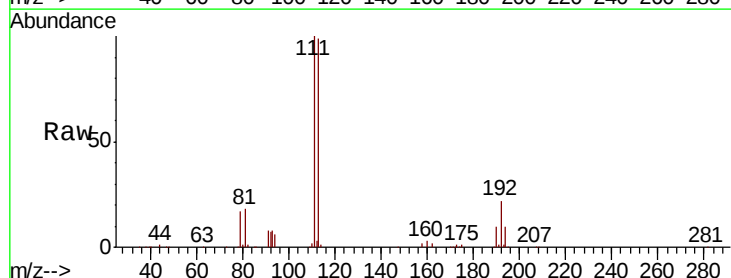
Tgt Ion:113 Resp: 121991

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

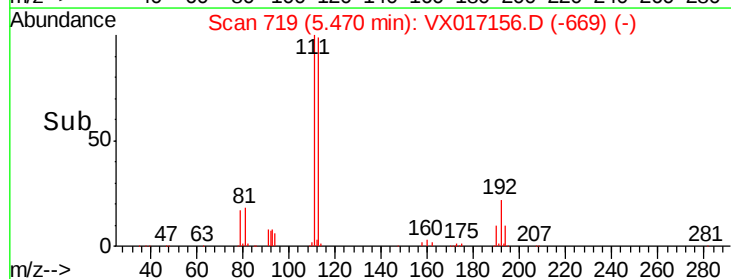
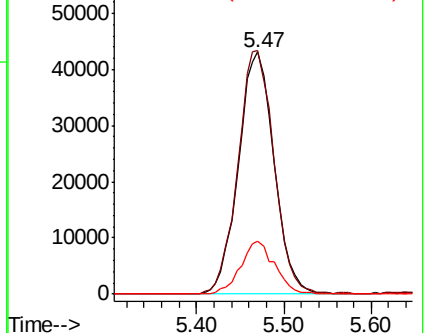
192 20.9 16.7 25.1

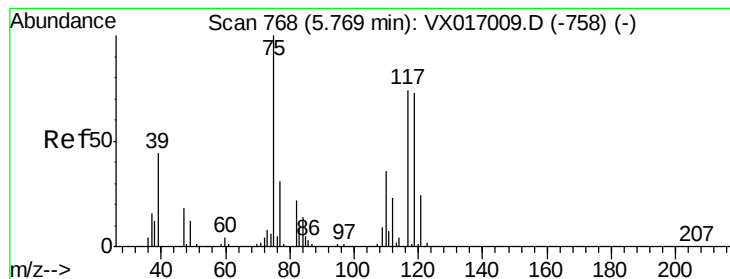


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :
MSVOA_X
ClientSampleId :

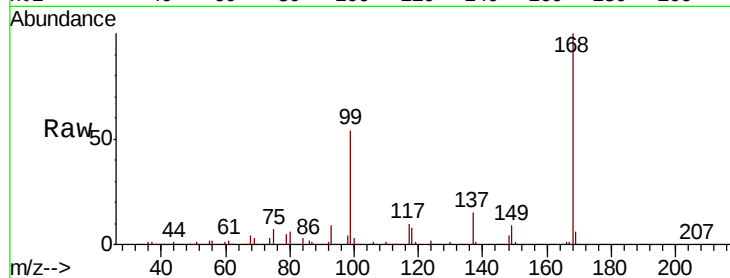
Tot Ion: 75 Resp: 15766

Ion Ratio Lower Upper

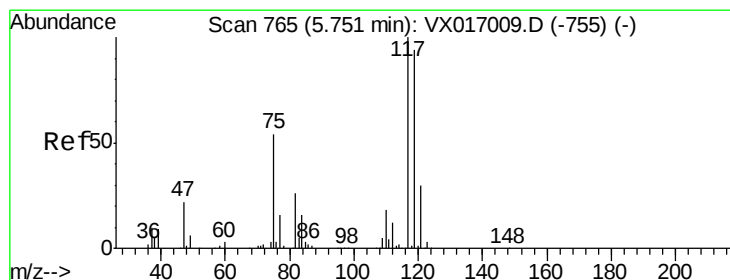
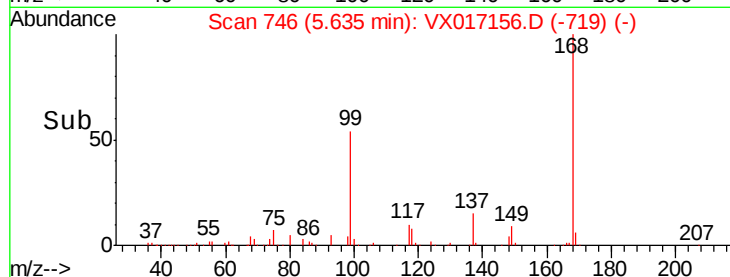
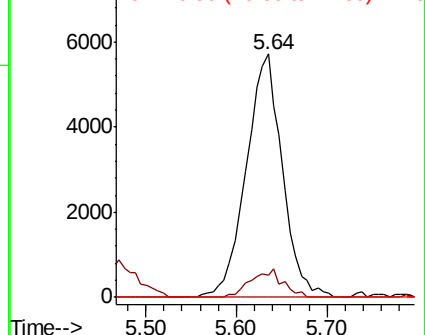
75 100

110 10.1 18.1 54.1#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.628 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

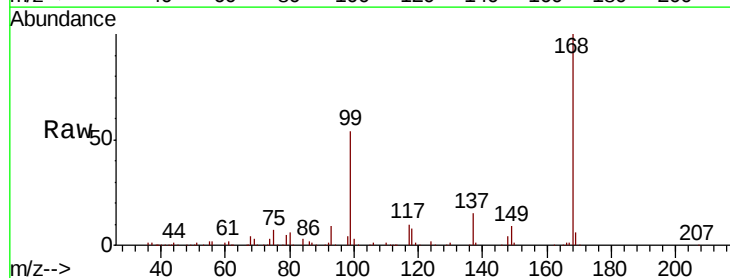
Tgt Ion:117 Resp: 21127

Ion Ratio Lower Upper

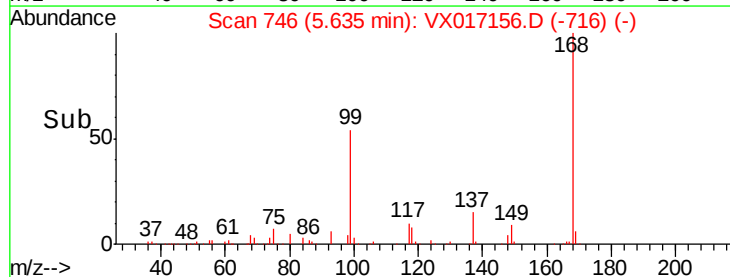
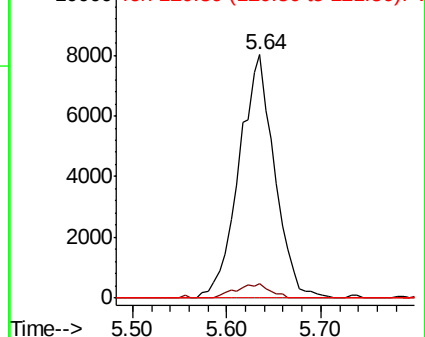
117 100

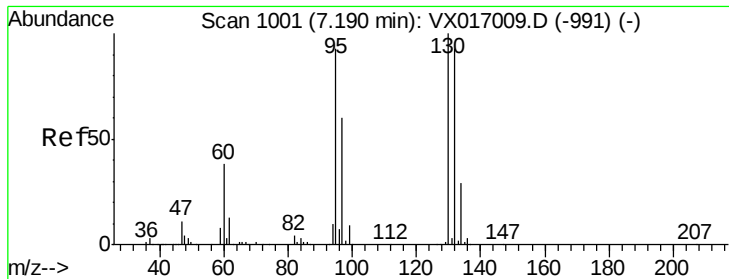
119 6.1 75.4 113.0#

121 0.0 23.8 35.6#



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





#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

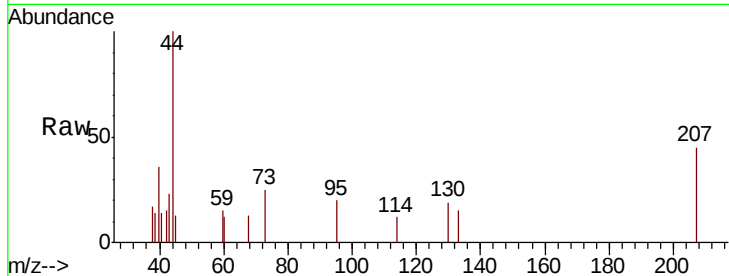
ClientSampled :

Tot Ion:130 Resp: 93

Ion Ratio Lower Upper

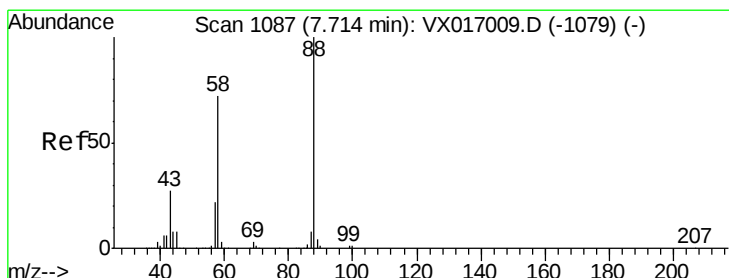
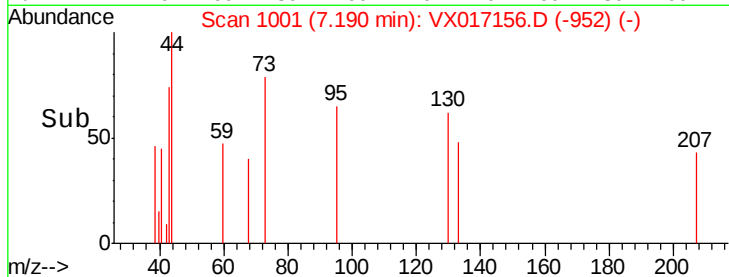
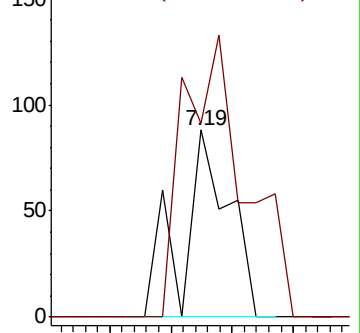
130 100

95 103.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.323 ug/l

RT: 7.68 min Scan# 1081

Delta R.T. -0.04 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

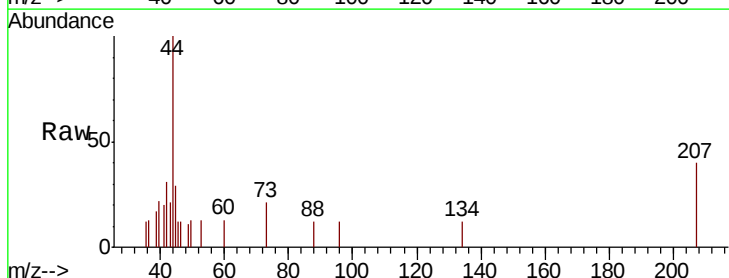
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

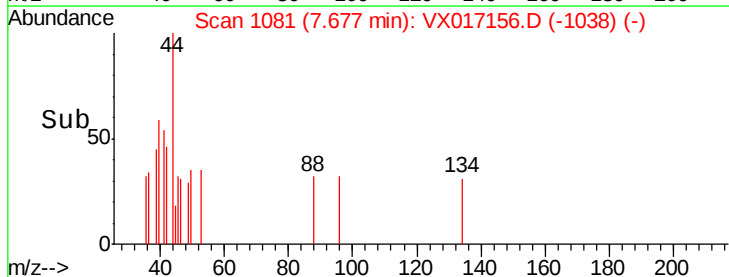
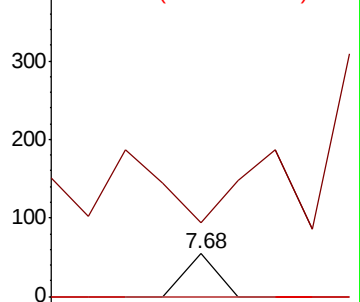
58 0.0 54.8 82.2#

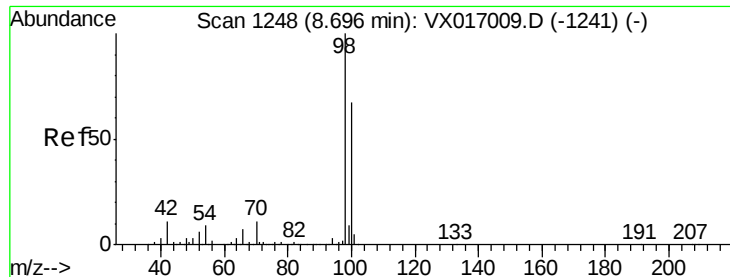


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

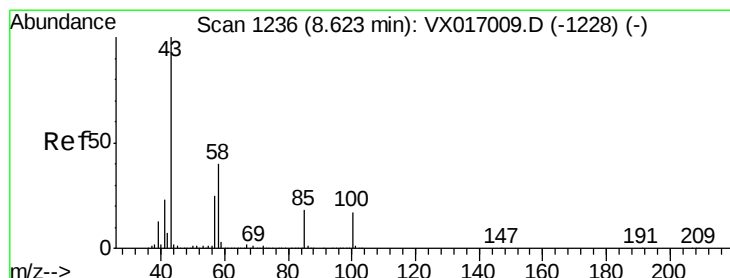
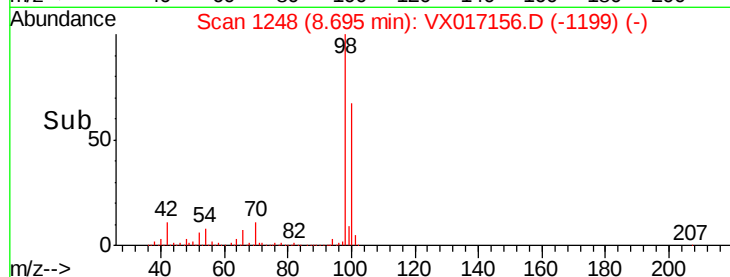
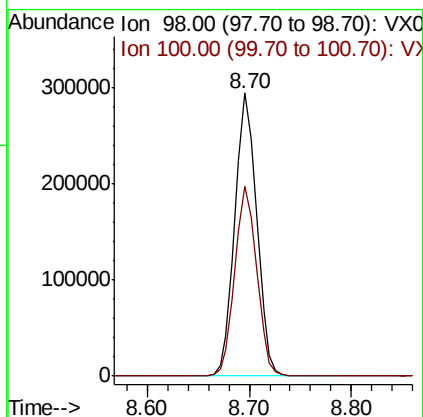
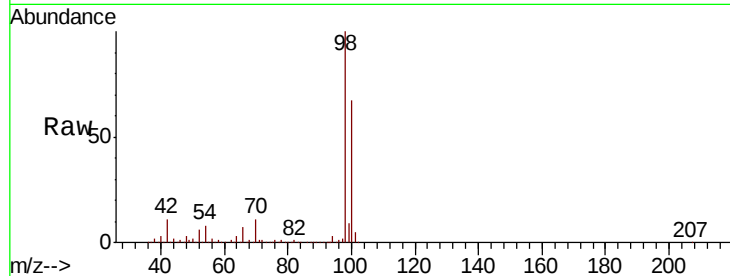




#50
Toluene-d8
Concen: 51.814 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017156.D
Acq: 02 Jul 2020 18:11

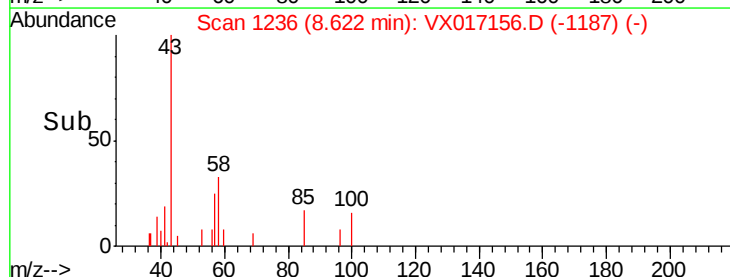
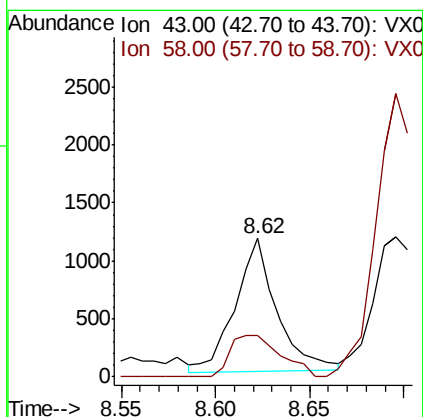
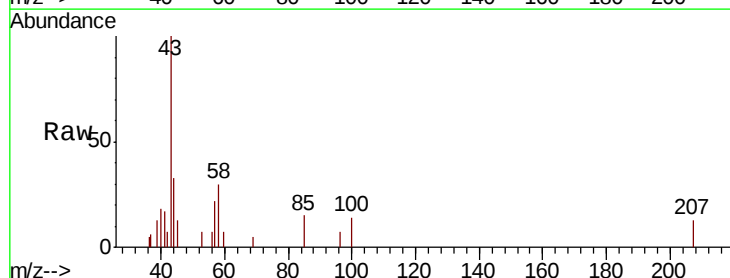
Instrument :
MSVOA_X
ClientSampleId :

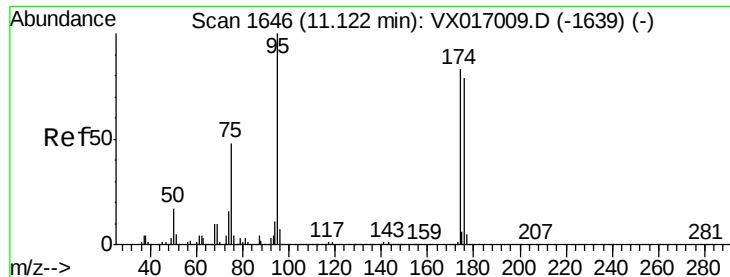
Tot Ion: 98 Resp: 437060
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.509 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017156.D
Acq: 02 Jul 2020 18:11

Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 37.8 31.9 47.9





#62

4-Bromofluorobenzene

Concen: 56.756 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

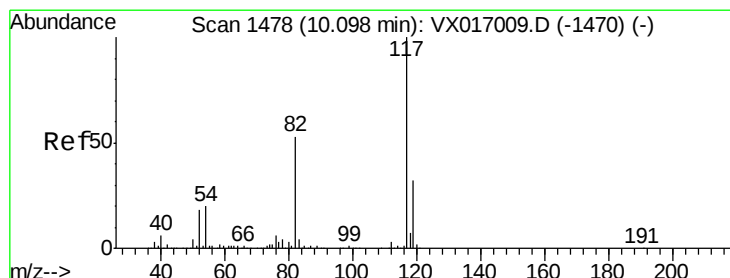
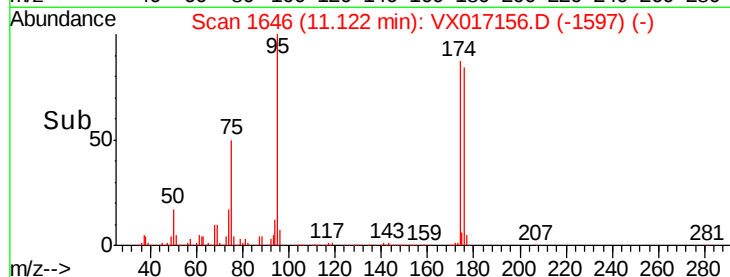
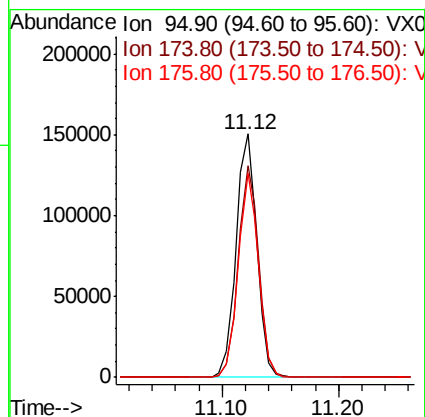
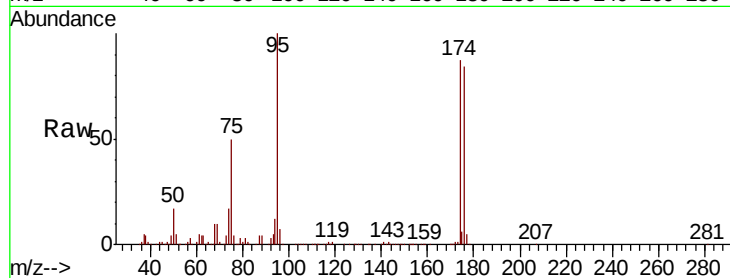
Tot Ion: 95 Resp: 187147

Ion Ratio Lower Upper

95 100

174 86.2 0.0 164.0

176 81.9 0.0 157.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

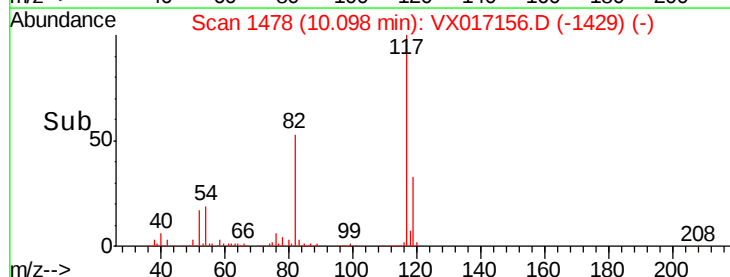
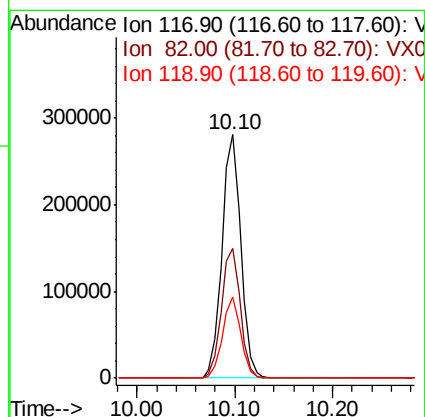
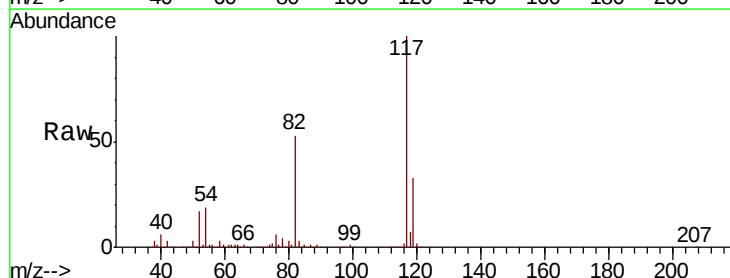
Tgt Ion: 117 Resp: 374906

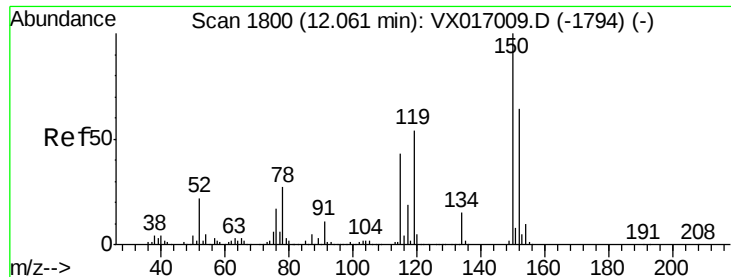
Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

119 33.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

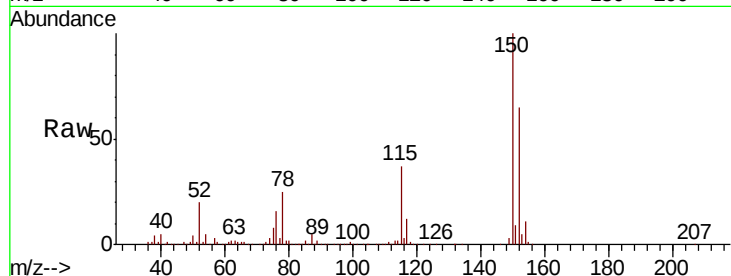
Tot Ion:152 Resp: 203068

Ion Ratio Lower Upper

152 100

115 57.2 40.9 122.7

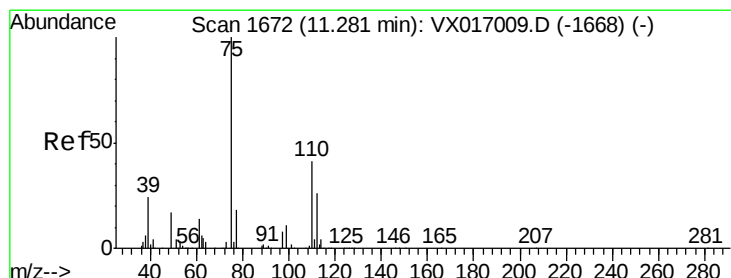
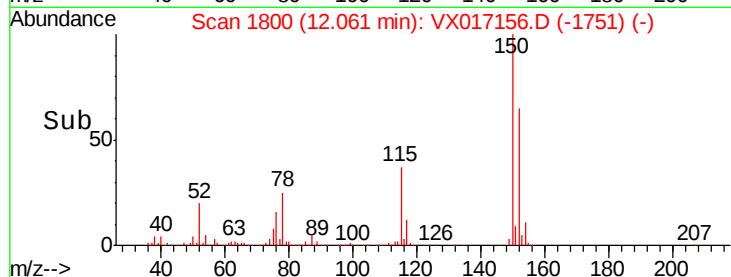
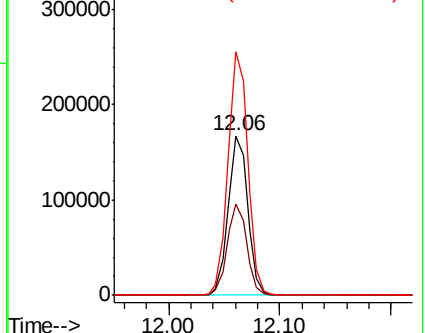
150 154.8 0.0 351.6



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: 23.700 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017156.D

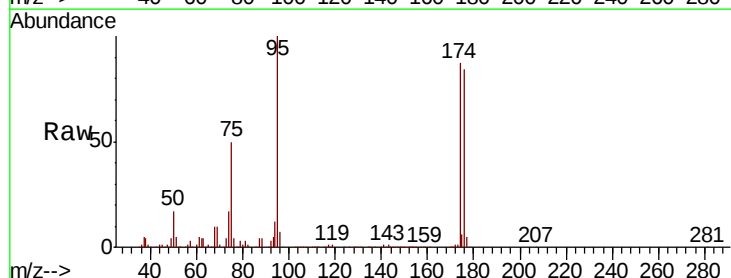
Acq: 02 Jul 2020 18:11

Tgt Ion: 75 Resp: 94640

Ion Ratio Lower Upper

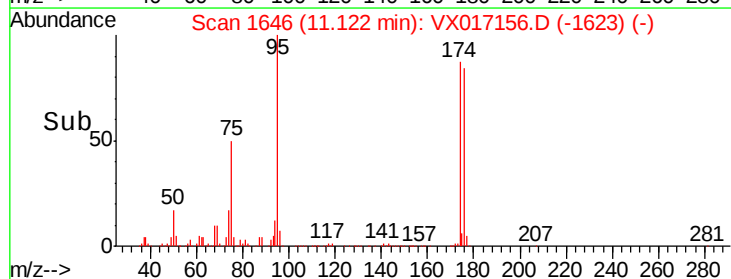
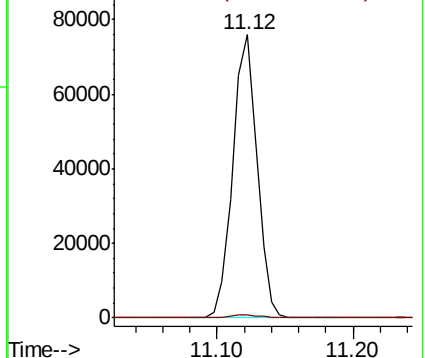
75 100

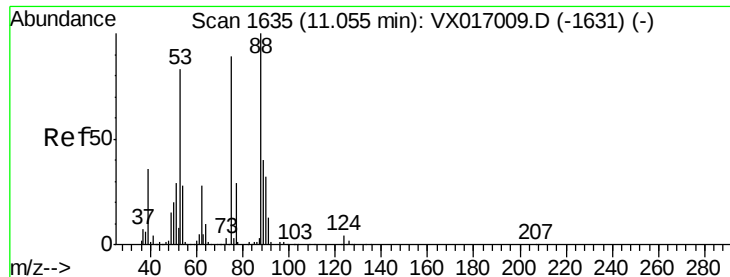
77 1.3 20.2 60.6#



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: 61.375 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

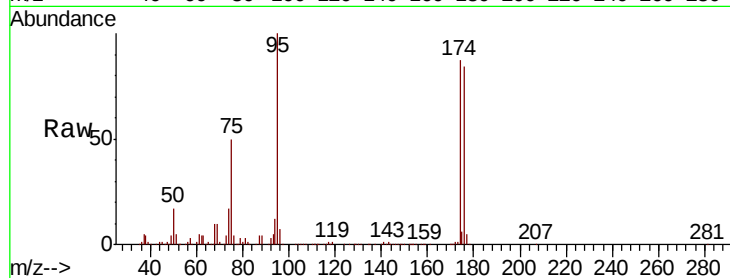
Tot Ion: 75 Resp: 94640

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

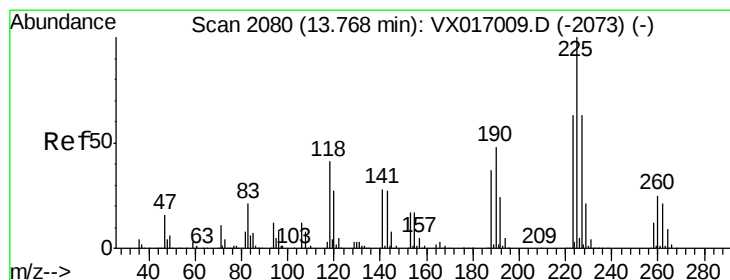
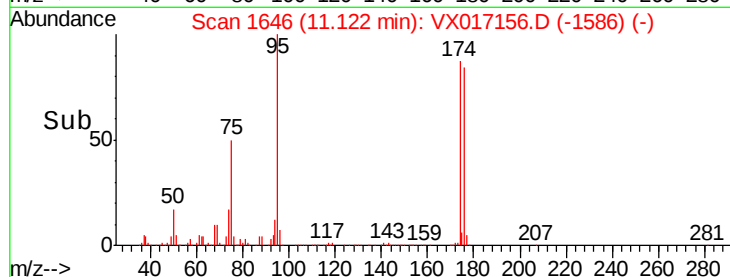
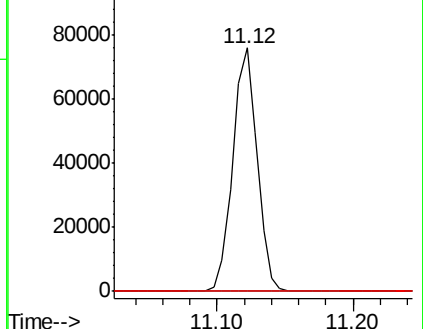
89 0.1 37.0 55.4#



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



#94

Hexachlorobutadiene

Concen: 0.859 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX017156.D

Acq: 02 Jul 2020 18:11

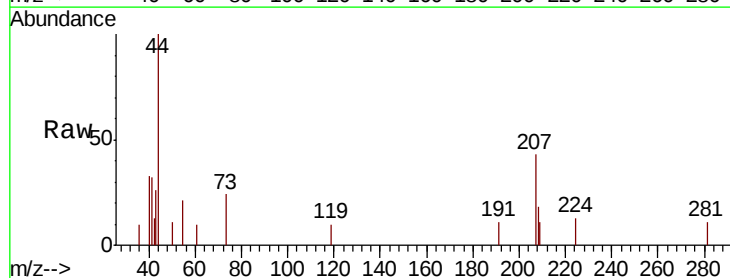
Tgt Ion: 225 Resp: 25

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 0.0 33.1 99.2#



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

