

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070720\
 Data File : VX017211.D
 Acq On : 07 Jul 2020 18:08
 Operator : JC/SP
 Sample : L3195-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20200630

Quant Time: Jul 08 01:54:47 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	5.63	168	241064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	409606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	422857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219180	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	160327	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	5.46	113	140713	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
50) Toluene-d8	8.70	98	495644	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.12	95	203263	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	

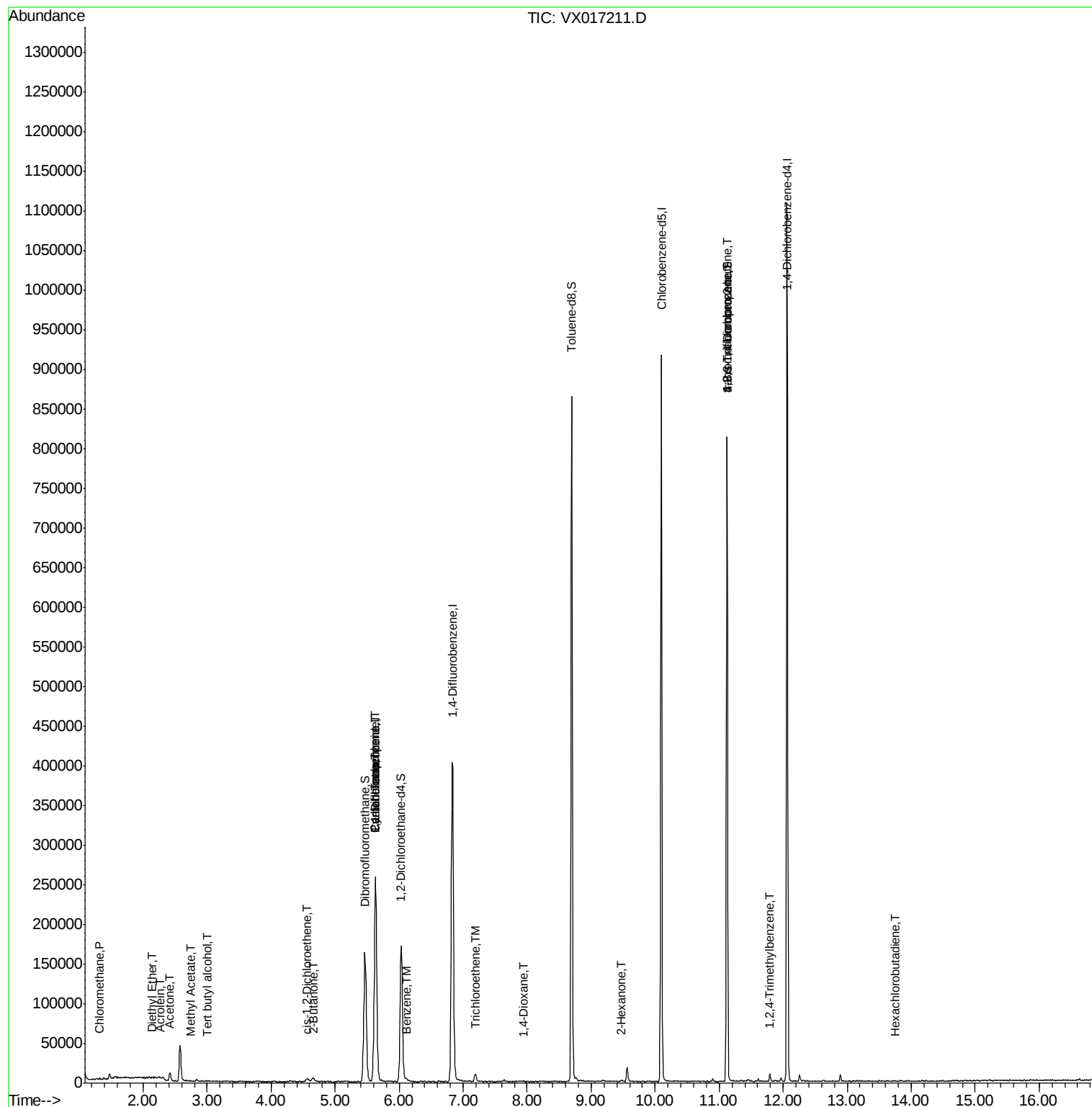
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1030	0.365	ug/l	92
8) Diethyl Ether	2.14	74	106	0.446	ug/l	87
11) Tert butyl alcohol	3.00	59	1143	2.016	ug/l #	85
13) Acrolein	2.27	56	339	1.000	ug/l #	46
16) Acetone	2.42	43	11471	10.318	ug/l	91
18) Methyl Acetate	2.75	43	802	0.276	ug/l #	63
20) Methylene Chloride	2.83	84	1110	Below Cal		93
25) 2-Butanone	4.65	43	4391	2.370	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	2738	0.913	ug/l	87
31) Cyclohexane	5.62	56	4913	1.225	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17785	4.594	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24102	5.653	ug/l #	18
40) Benzene	6.12	78	3255	0.286	ug/l #	80
44) Trichloroethene	7.19	130	3394	0.777	ug/l	88
49) 1,4-Dioxane	7.94	88	20	0.285	ug/l #	1
59) 2-Hexanone	9.48	43	973	0.342	ug/l	73
76) 1,2,3-Trichloropropane	11.12	75	100999	23.433	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100999	60.684	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.79	105	2821	0.234	ug/l #	39
88) 1,4-Dichlorobenzene	12.07	146	324	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	31	0.862	ug/l #	17

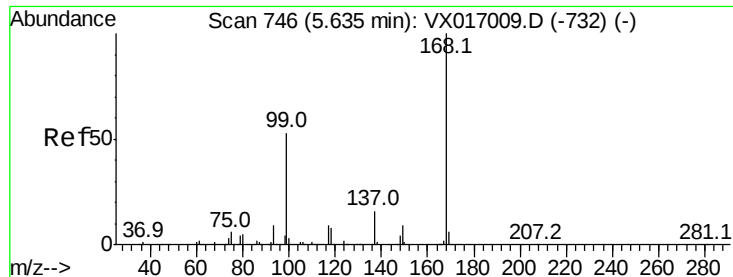
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 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: VX017211.D

Acq: 07 Jul 2020 18:08

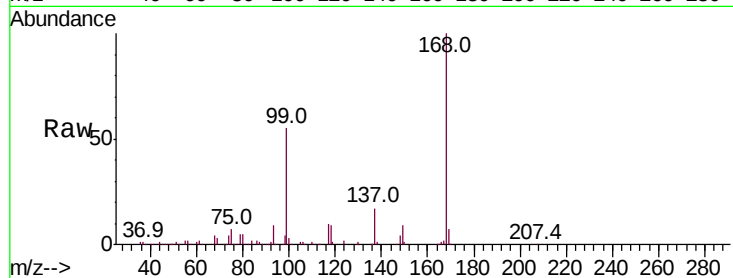
Instrument :
MSVOA_X
ClientSampleId :
TB01-20200630

Tot Ion:168 Resp: 241064

Ion Ratio Lower Upper

168 100

99 55.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

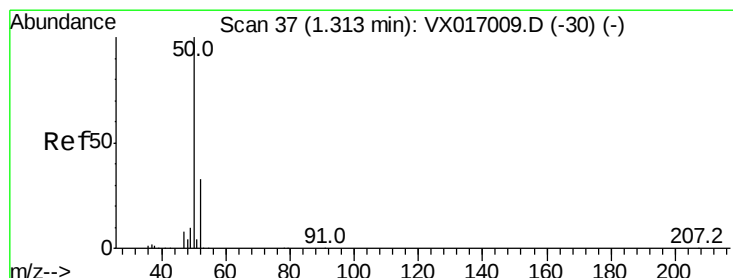
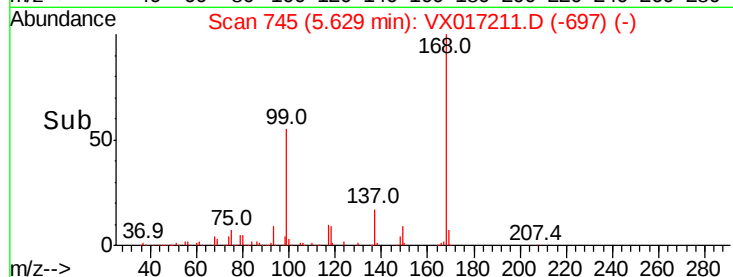
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.365 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017211.D

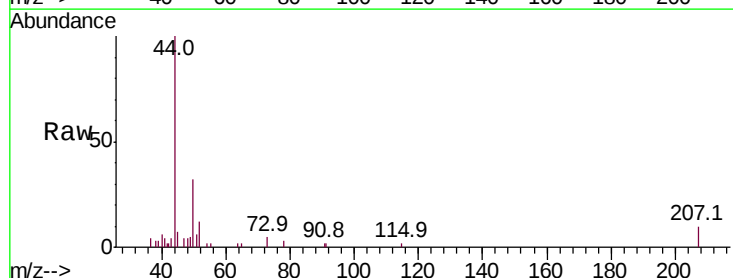
Acq: 07 Jul 2020 18:08

Tgt Ion: 50 Resp: 1030

Ion Ratio Lower Upper

50 100

52 37.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

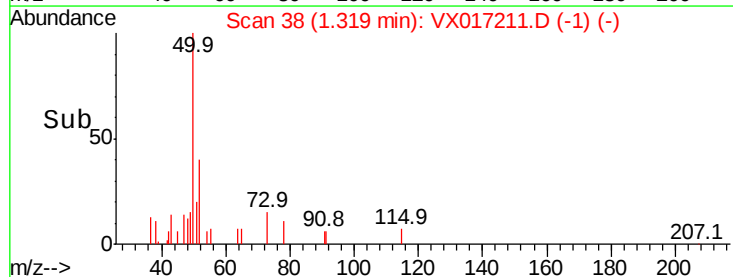
600

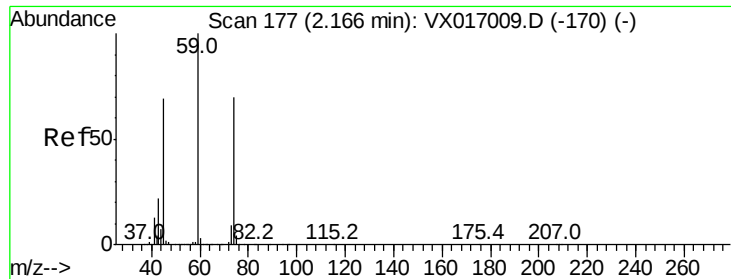
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.446 ug/l

RT: 2.14 min Scan# 172

Delta R.T. -0.03 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

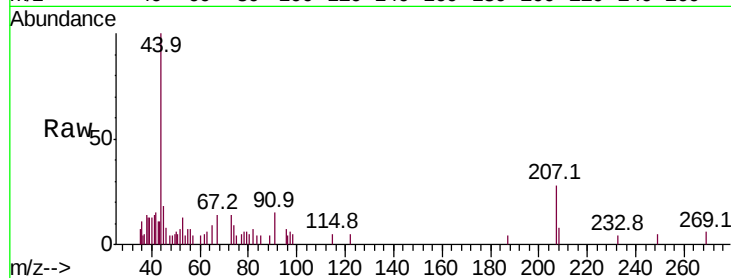
TB01-20200630

Tot Ion: 74 Resp: 106

Ion Ratio Lower Upper

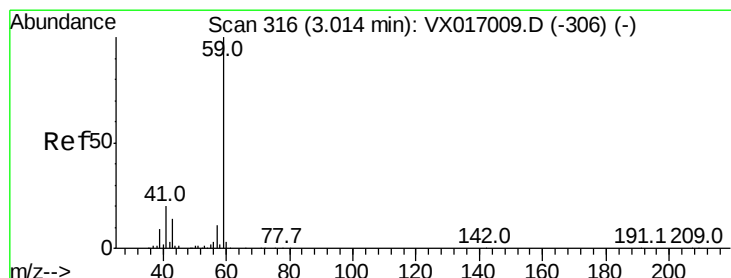
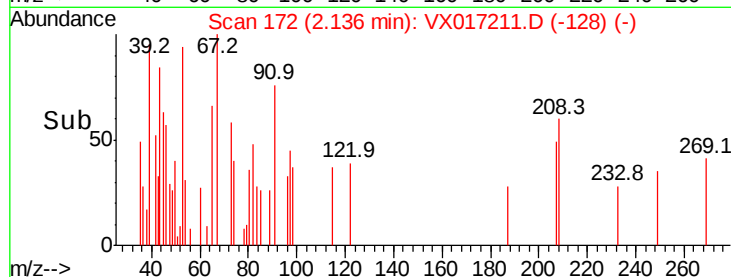
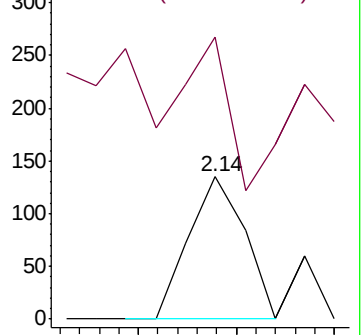
74 100

45 112.3 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: 2.016 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX017211.D

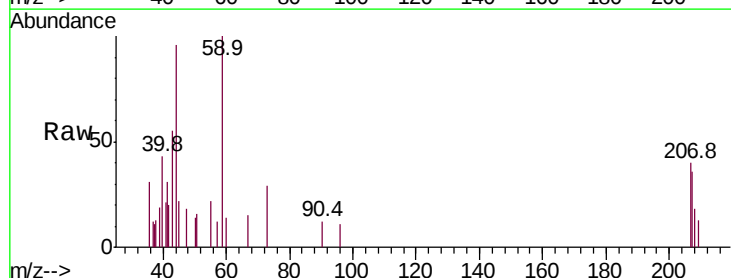
Acq: 07 Jul 2020 18:08

Tgt Ion: 59 Resp: 1143

Ion Ratio Lower Upper

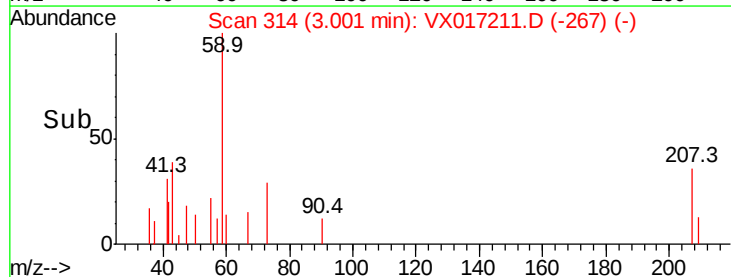
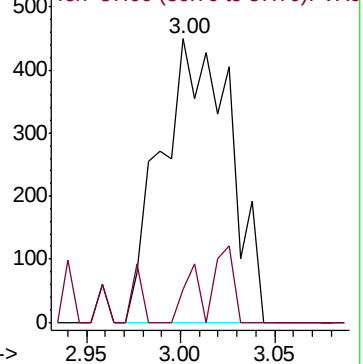
59 100

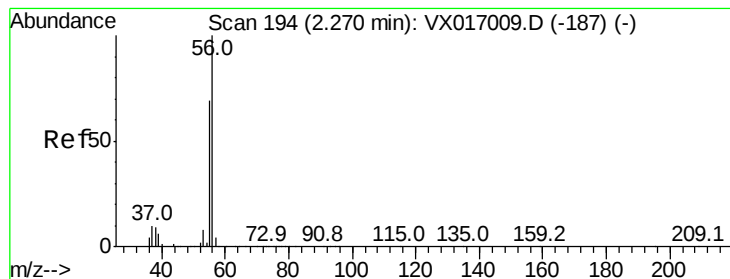
57 4.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.000 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

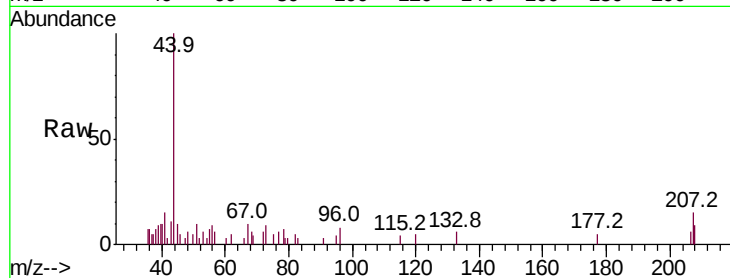
TB01-20200630

Tot Ion: 56 Resp: 339

Ion Ratio Lower Upper

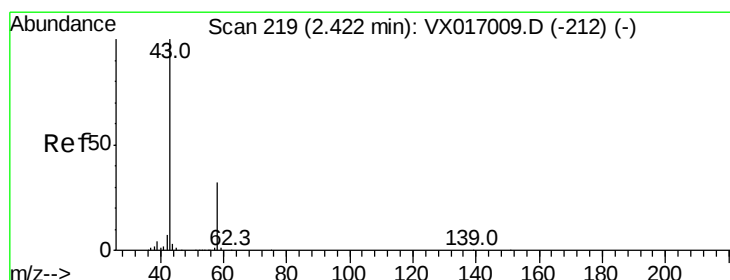
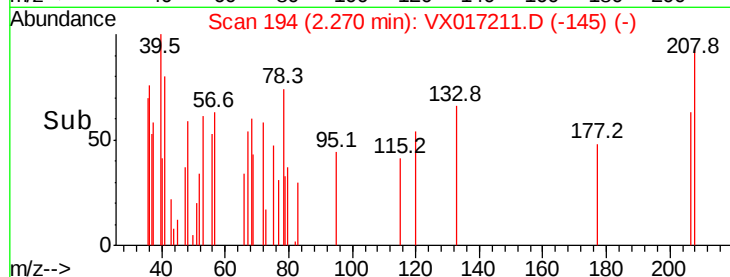
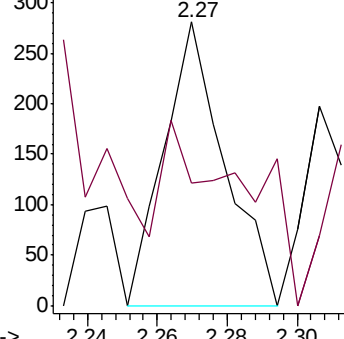
56 100

55 25.4 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 10.318 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017211.D

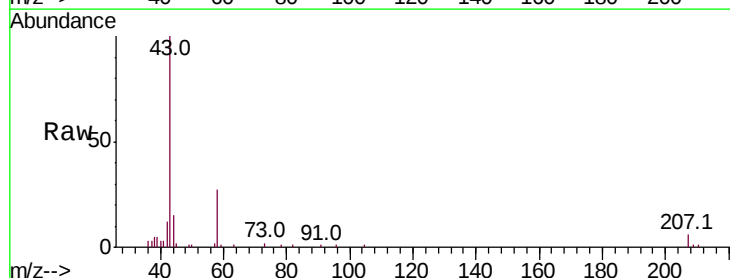
Acq: 07 Jul 2020 18:08

Tgt Ion: 43 Resp: 11471

Ion Ratio Lower Upper

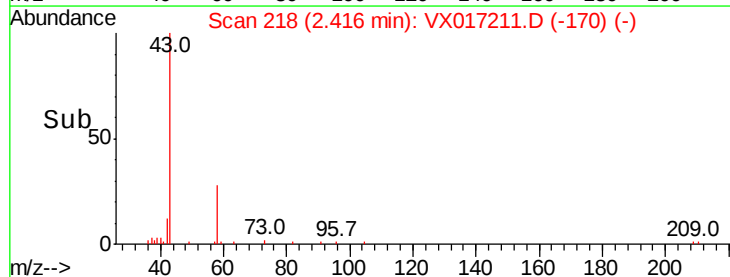
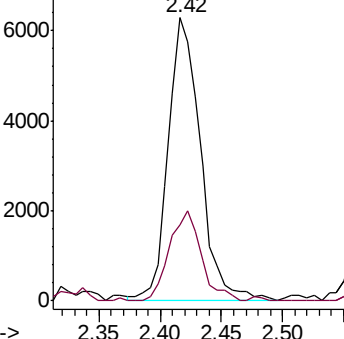
43 100

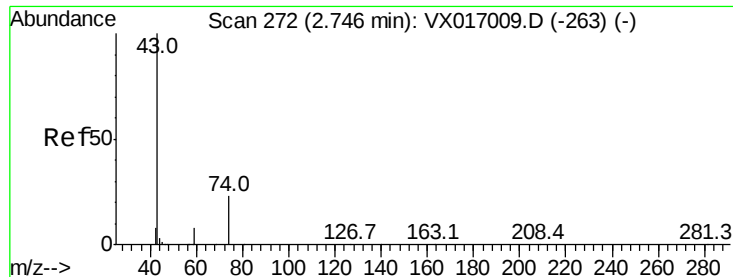
58 27.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

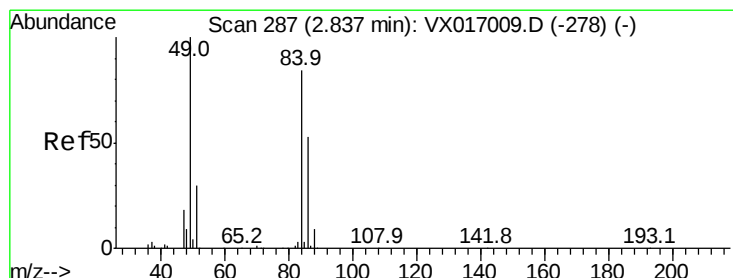
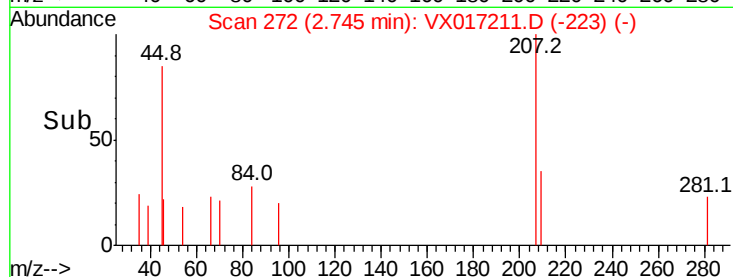
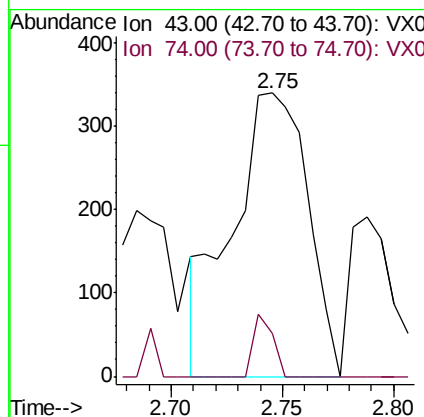
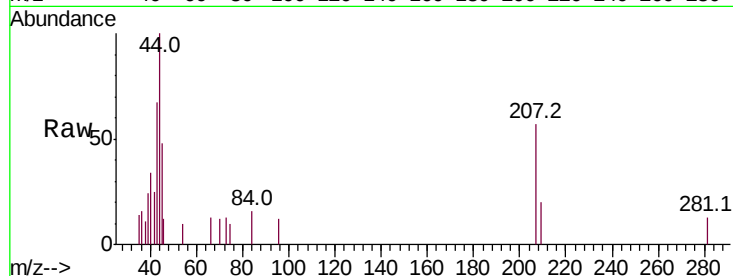




#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

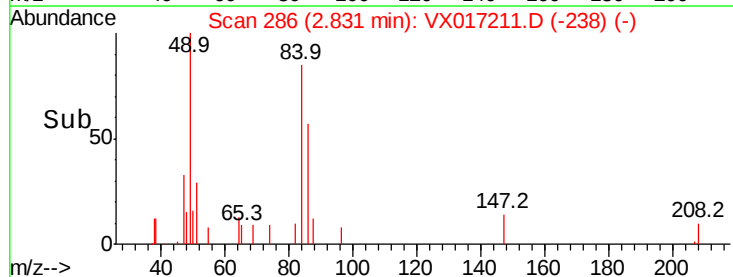
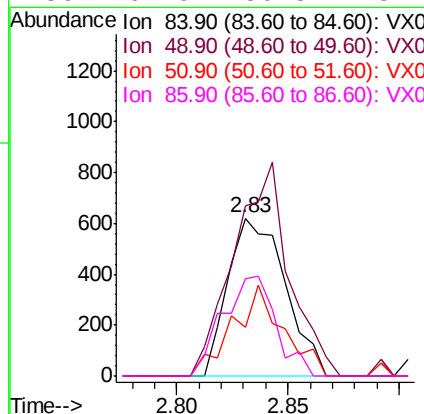
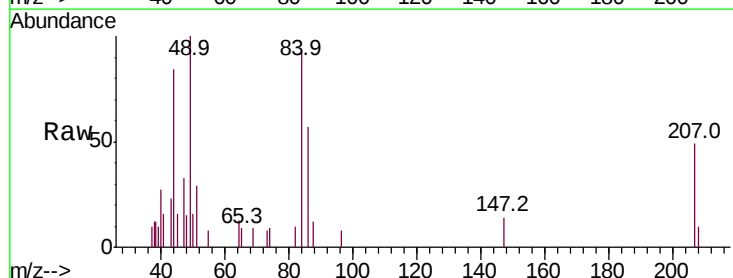
Instrument :
MSVOA_X
ClientSampleId :
TB01-20200630

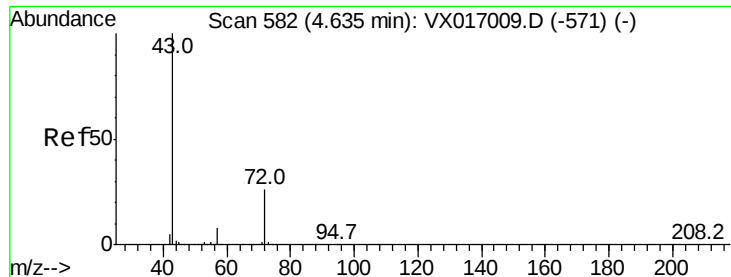
Tot Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
74 5.7 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

Tgt Ion: 84 Resp: 1110
Ion Ratio Lower Upper
84 100
49 108.1 94.7 142.1
51 31.3 28.6 42.8
86 61.9 50.5 75.7





#25

2-Butanone

Concen: 2.370 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

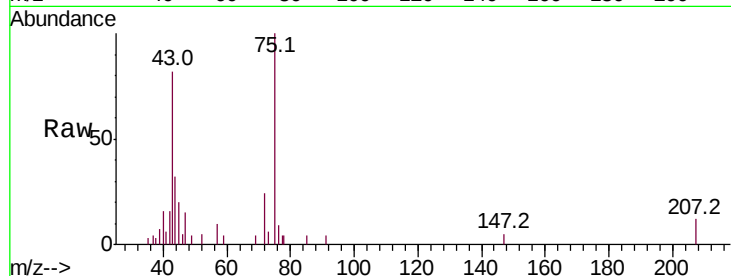
TB01-20200630

Tot Ion: 43 Resp: 4391

Ion Ratio Lower Upper

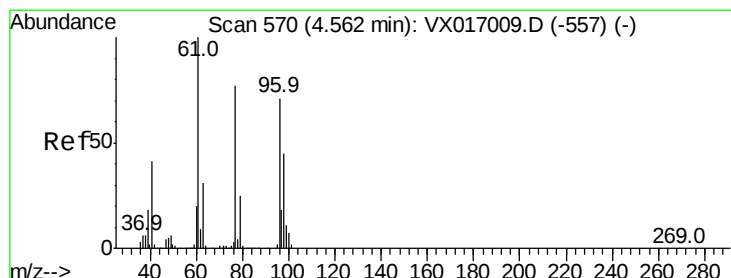
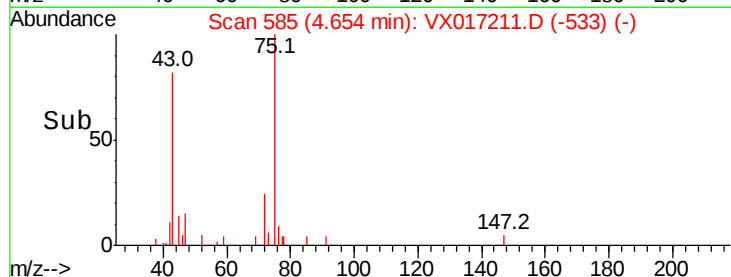
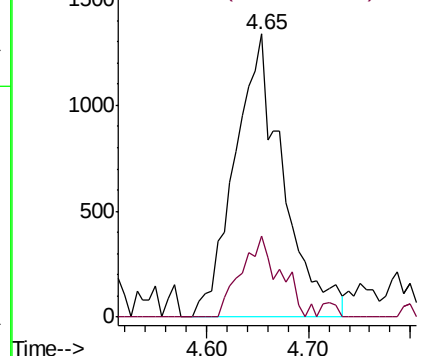
43 100

72 28.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.913 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

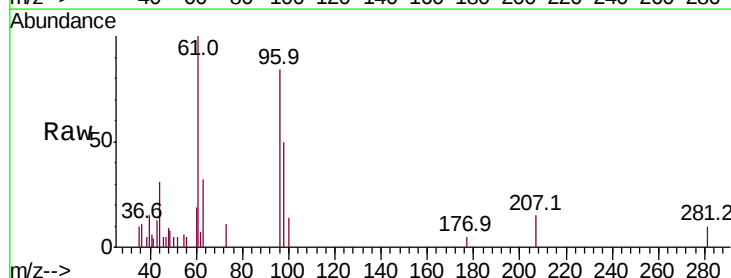
Tgt Ion: 96 Resp: 2738

Ion Ratio Lower Upper

96 100

61 118.9 0.0 282.8

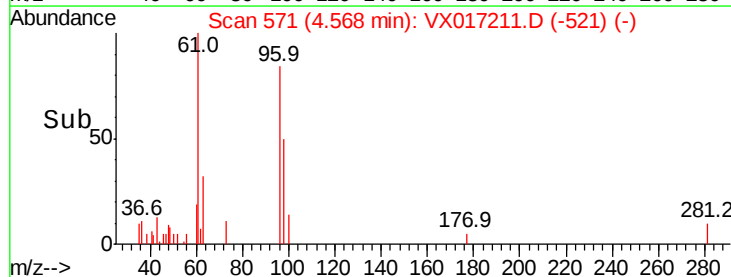
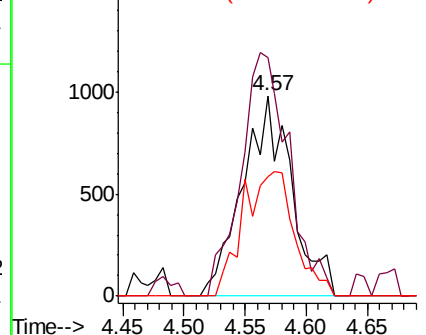
98 65.2 0.0 127.6

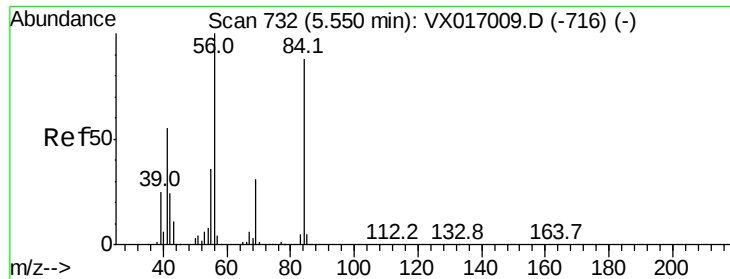


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

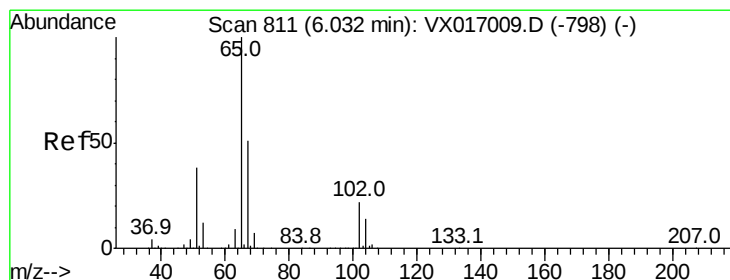
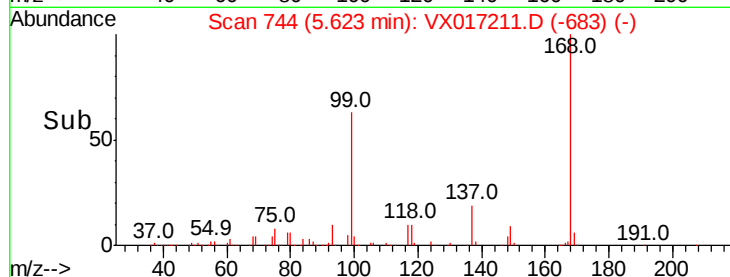
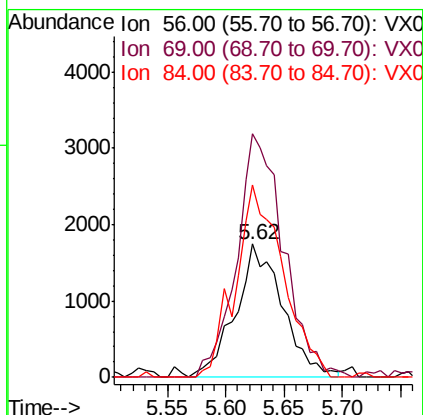
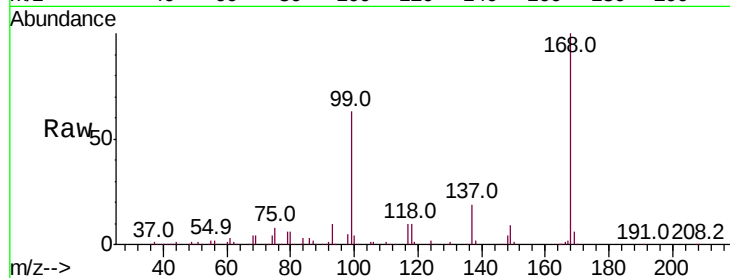




#31
Cyclohexane
Concen: 1.225 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

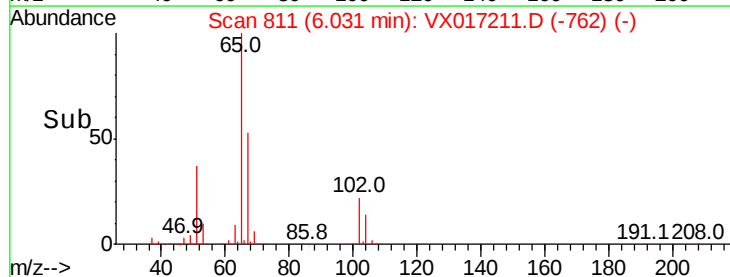
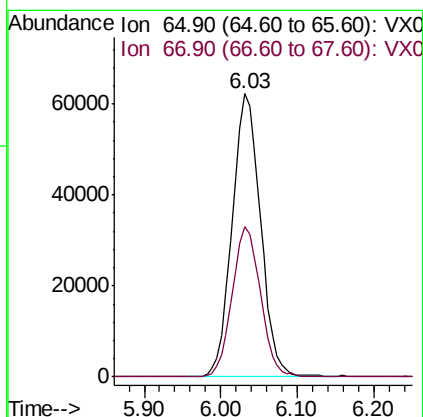
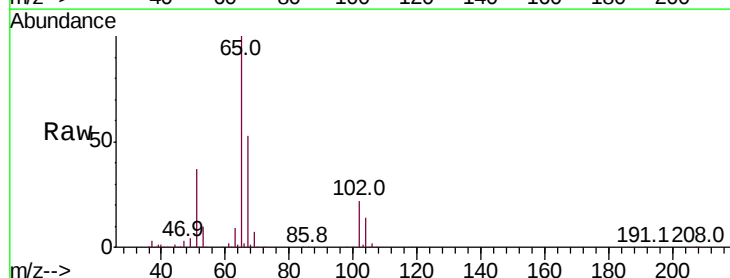
Instrument :
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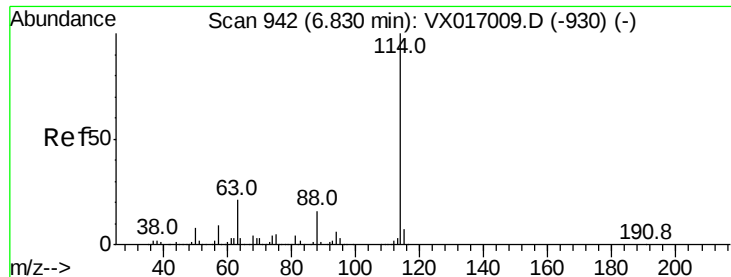
Tot Ion: 56 Resp: 4913
Ion Ratio Lower Upper
56 100
69 183.0 25.0 37.4#
84 144.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 53.949 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

Tgt Ion: 65 Resp: 160327
Ion Ratio Lower Upper
65 100
67 52.9 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: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

TB01-20200630

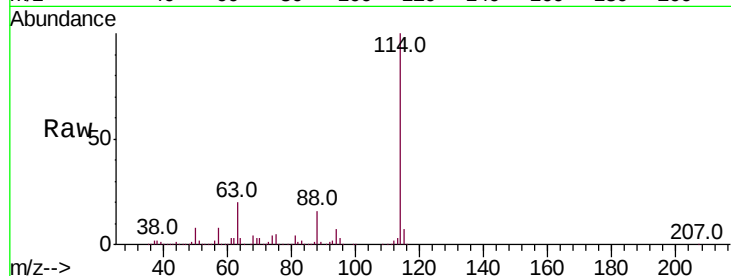
Tot Ion:114 Resp: 409606

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

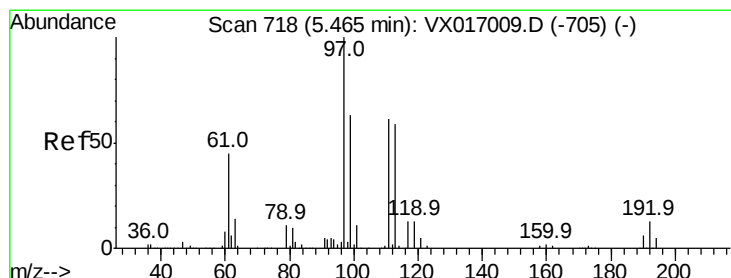
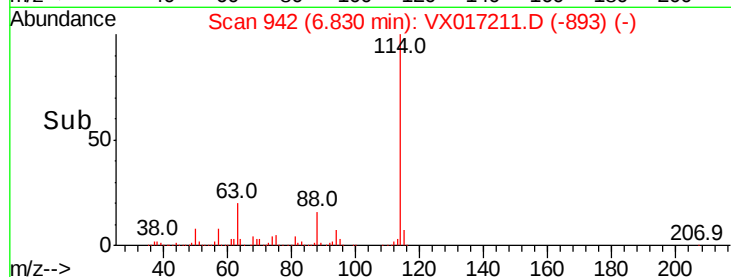
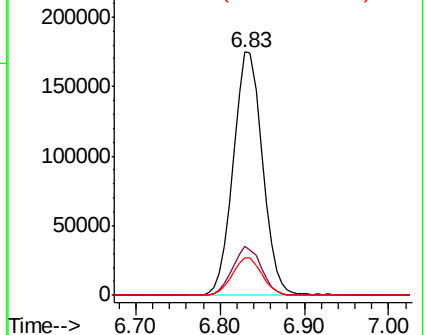
88 15.6 0.0 32.4



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: 54.307 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

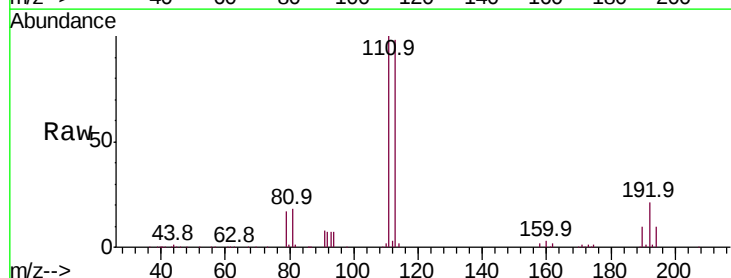
Tgt Ion:113 Resp: 140713

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

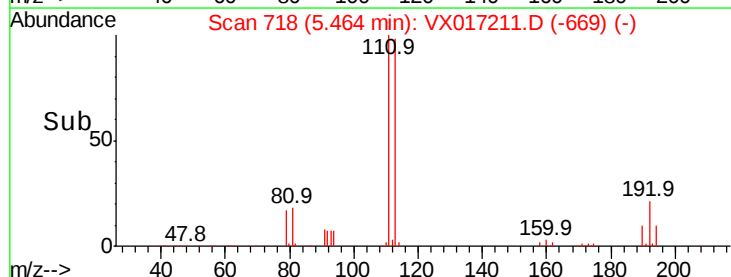
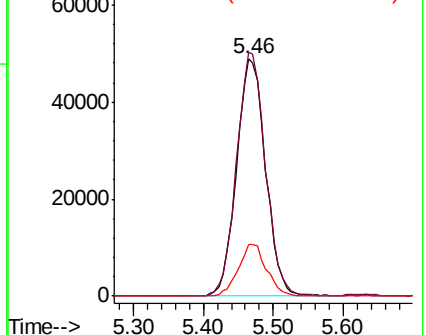
192 21.3 16.7 25.1

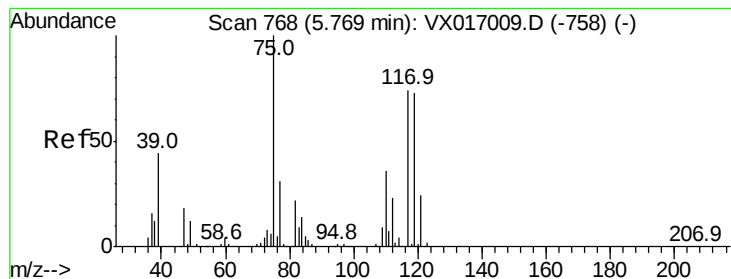


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.594 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

TB01-20200630

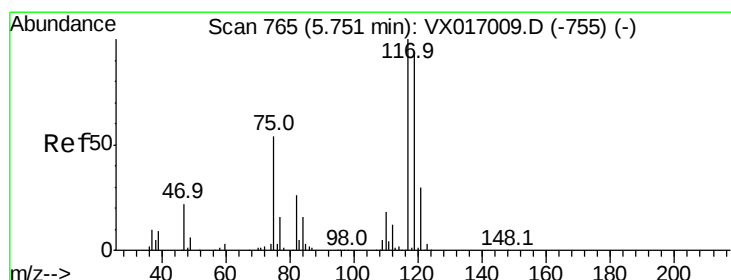
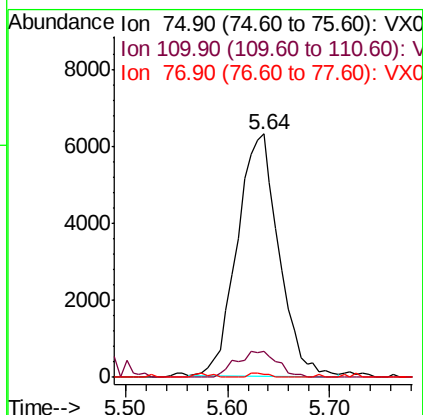
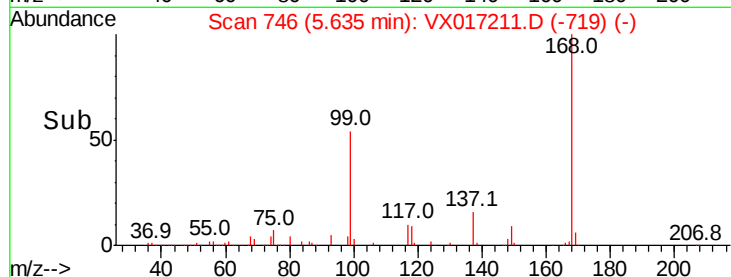
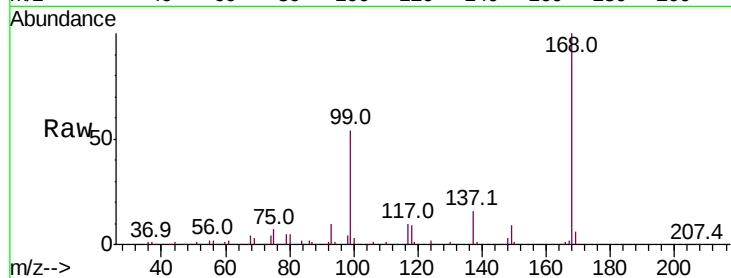
Tot Ion: 75 Resp: 17785

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

77 0.7 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.653 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

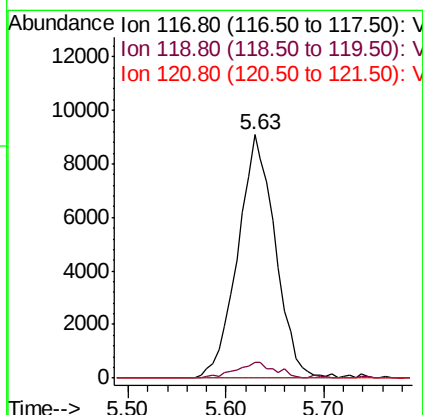
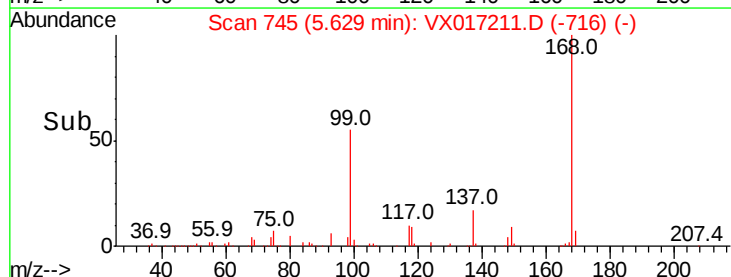
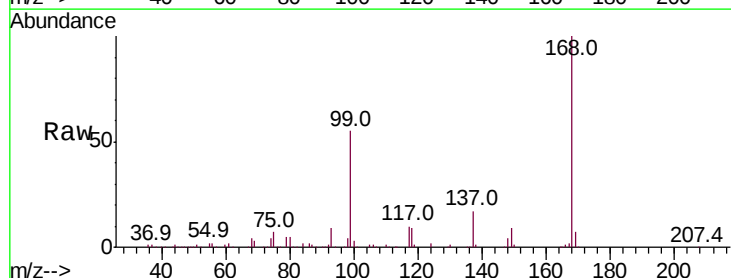
Tgt Ion:117 Resp: 24102

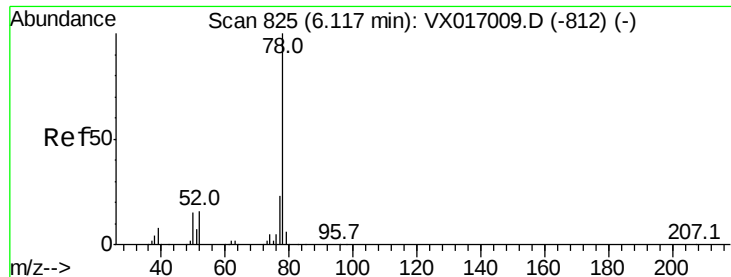
Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.0#

121 0.0 23.8 35.6#





#40

Benzene

Concen: 0.286 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

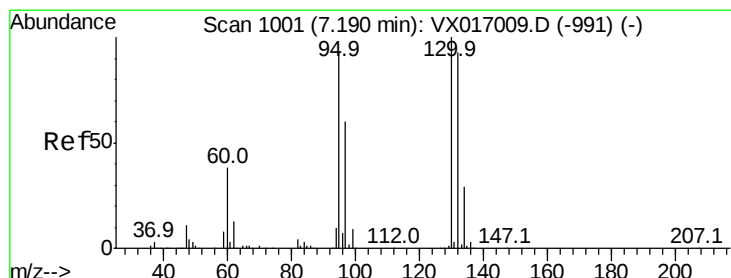
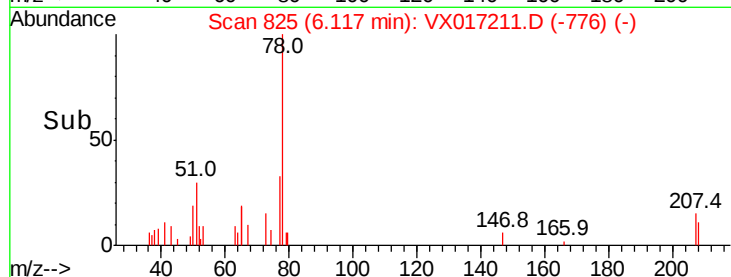
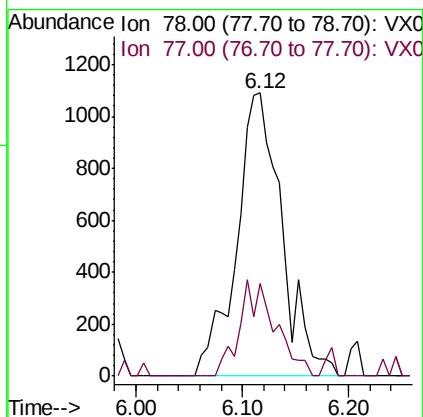
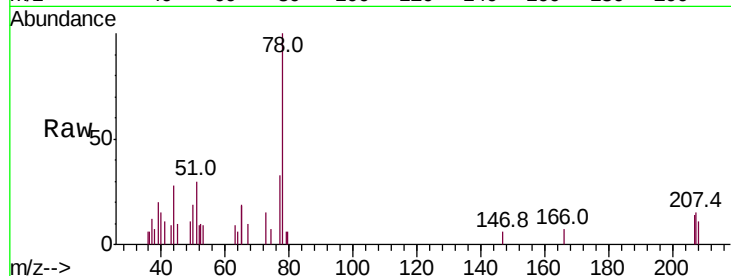
TB01-20200630

Tot Ion: 78 Resp: 3255

Ion Ratio Lower Upper

78 100

77 32.7 18.3 27.5#



#44

Trichloroethene

Concen: 0.777 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017211.D

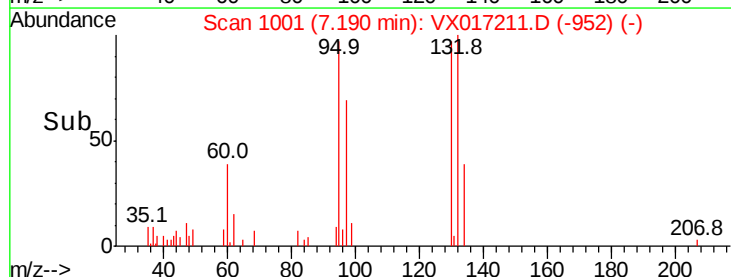
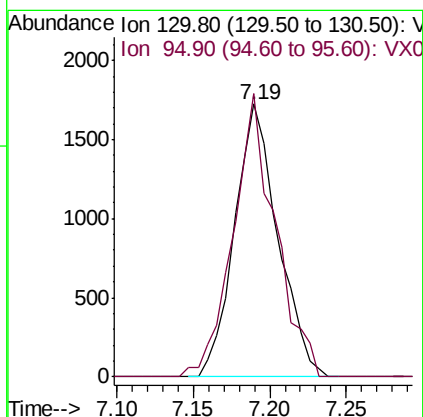
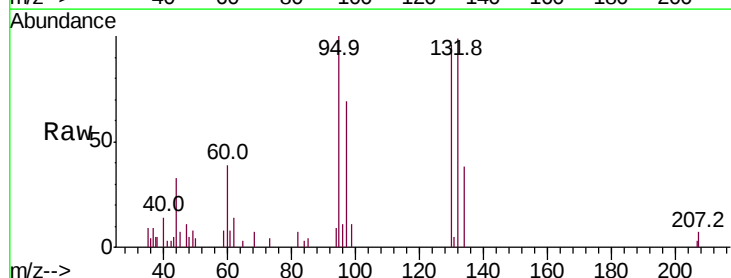
Acq: 07 Jul 2020 18:08

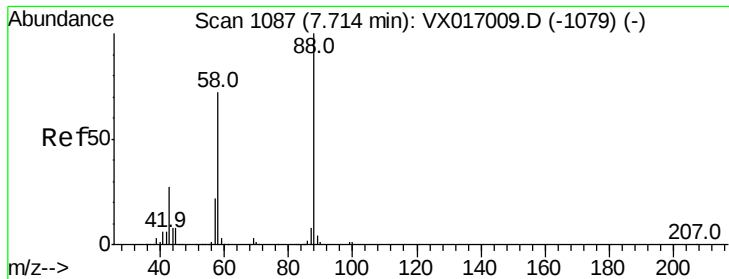
Tgt Ion:130 Resp: 3394

Ion Ratio Lower Upper

130 100

95 103.7 0.0 185.0

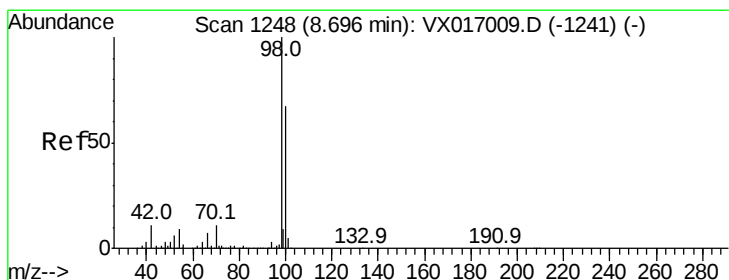
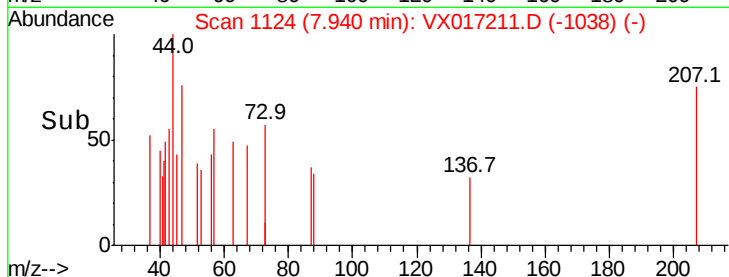
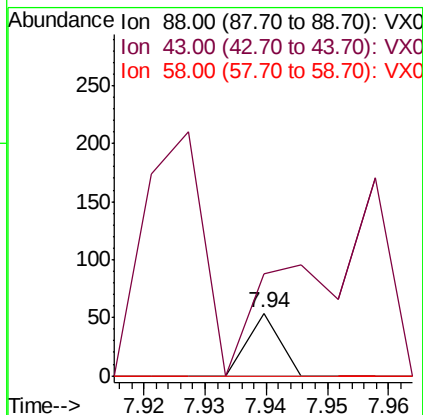
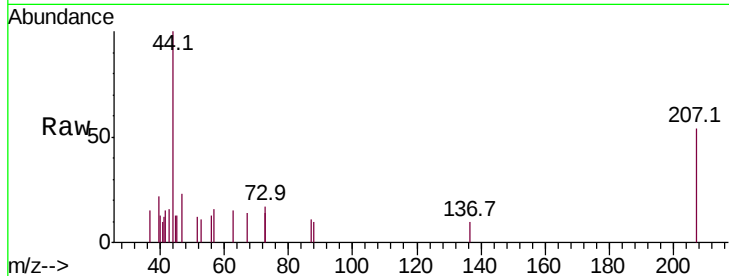




#49
 1,4-Dioxane
 Concen: 0.285 ug/l
 RT: 7.94 min Scan# 1124
 Delta R.T. 0.23 min
 Lab File: VX017211.D
 Acq: 07 Jul 2020 18:08

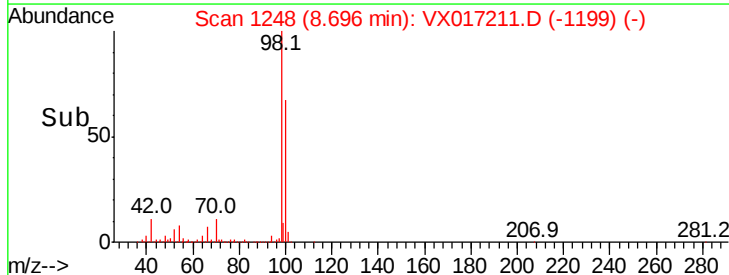
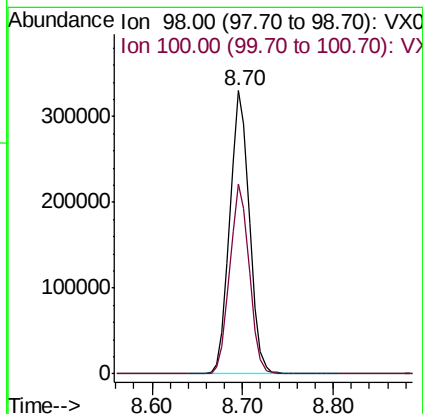
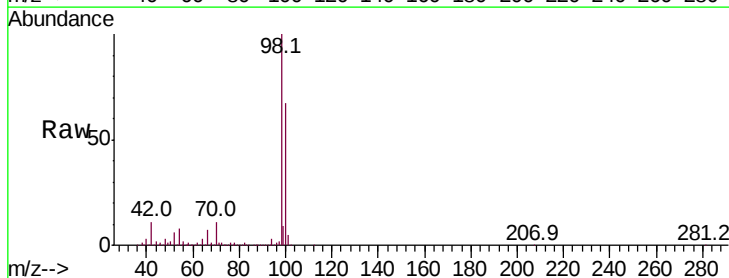
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20200630

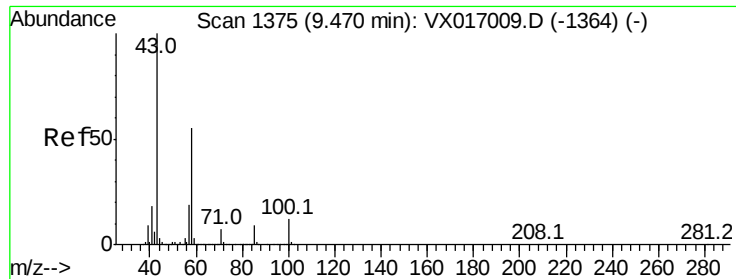
Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 865.0 25.8 38.8#
 58 0.0 54.8 82.2#



#50
 Toluene-d8
 Concen: 51.731 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX017211.D
 Acq: 07 Jul 2020 18:08

Tgt Ion: 98 Resp: 495644
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.8 80.6

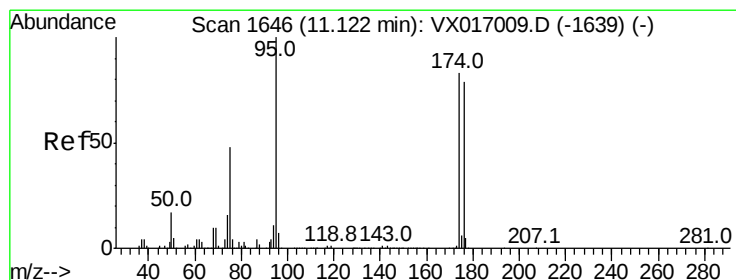
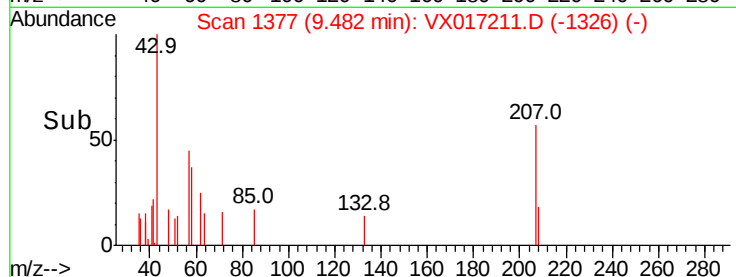
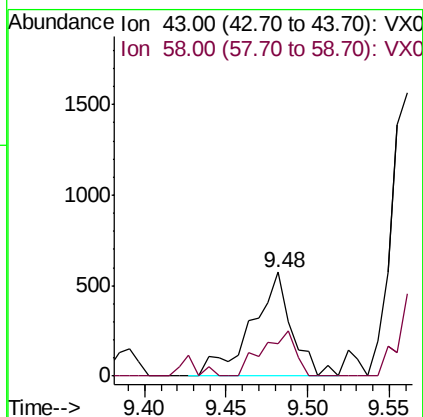
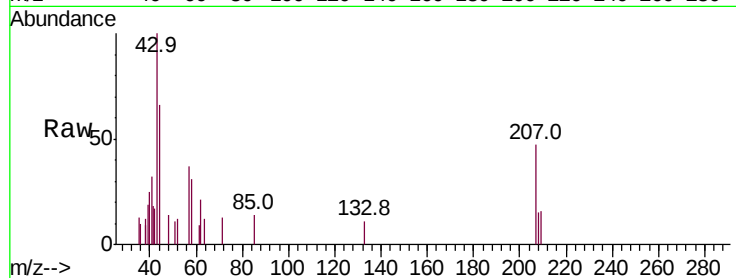




#59
2-Hexanone
Concen: 0.342 ug/l
RT: 9.48 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

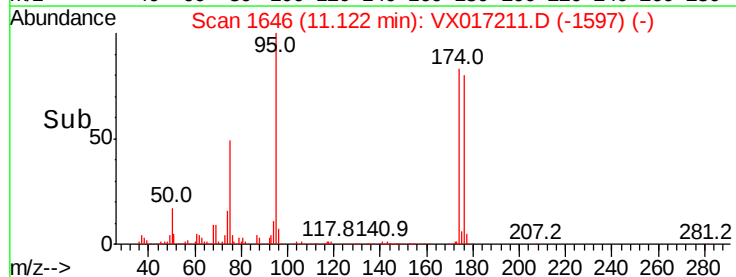
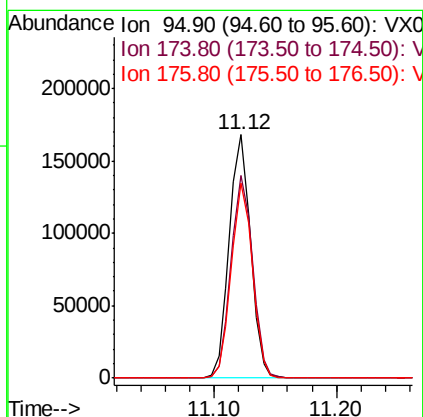
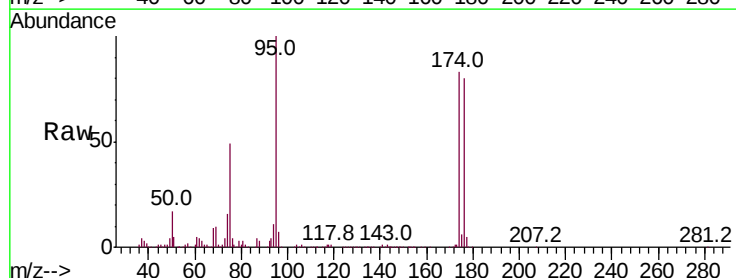
Instrument :
MSVOA_X
ClientSampleId :
TB01-20200630

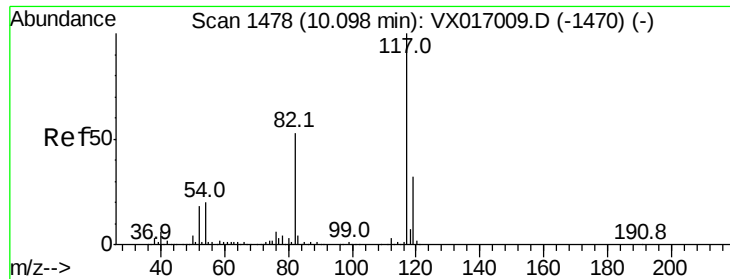
Tot Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
58 36.2 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 54.270 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

Tgt Ion: 95 Resp: 203263
Ion Ratio Lower Upper
95 100
174 84.4 0.0 164.0
176 79.3 0.0 157.6

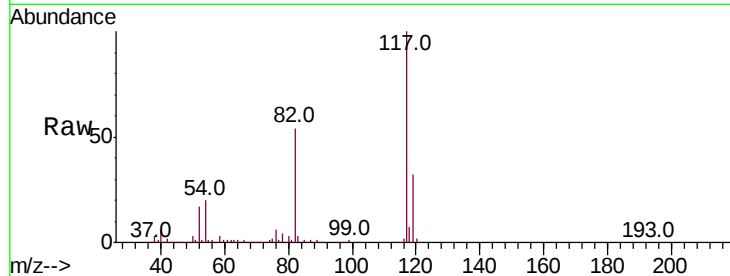




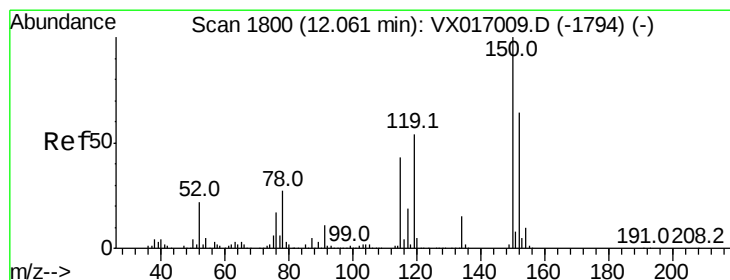
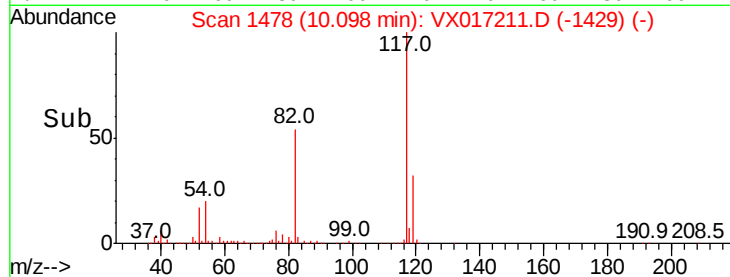
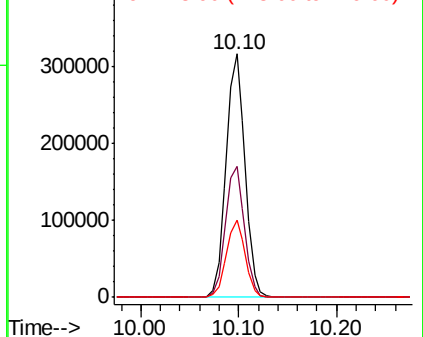
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

Instrument :
MSVOA_X
ClientSampleId :
TB01-20200630

Tot Ion:117 Resp: 422857
Ion Ratio Lower Upper
117 100
82 54.0 42.6 63.8
119 31.5 25.4 38.2

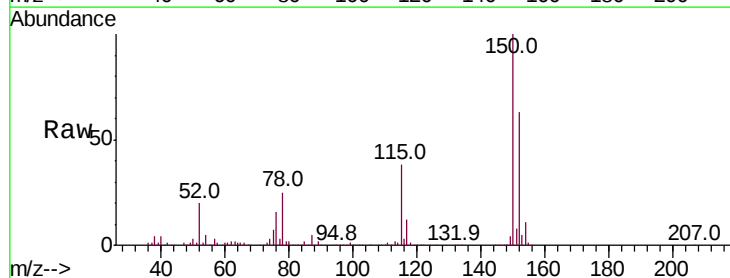


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

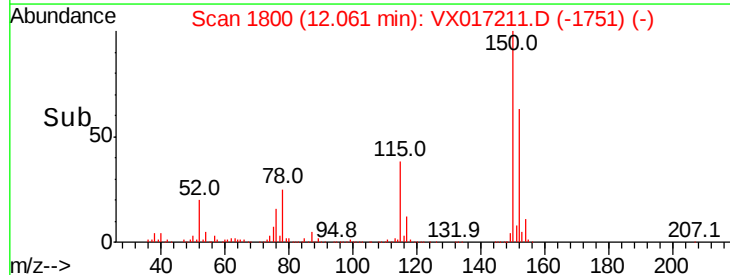
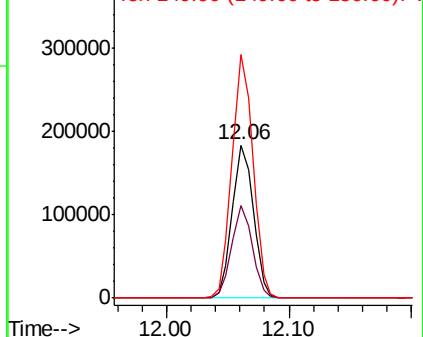


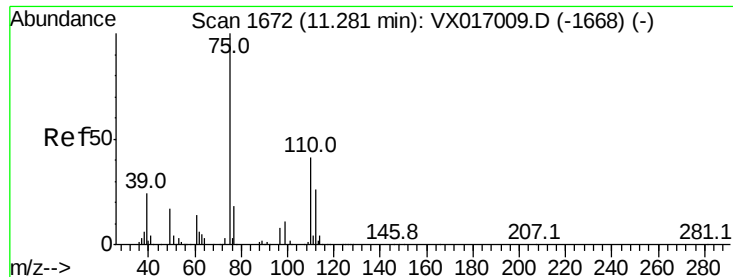
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017211.D
Acq: 07 Jul 2020 18:08

Tgt Ion:152 Resp: 219180
Ion Ratio Lower Upper
152 100
115 59.3 40.9 122.7
150 158.2 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: 23.433 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

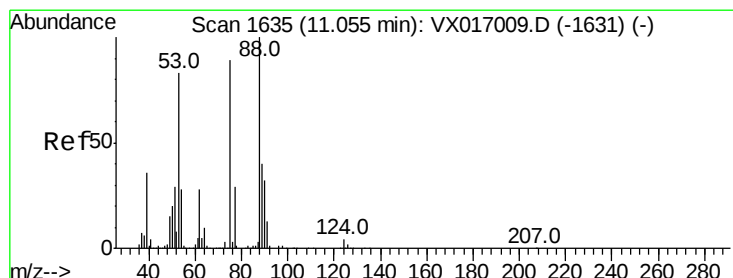
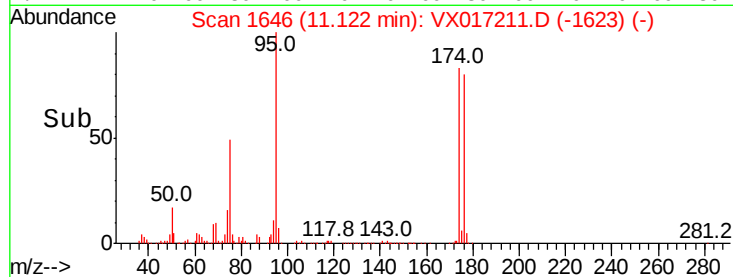
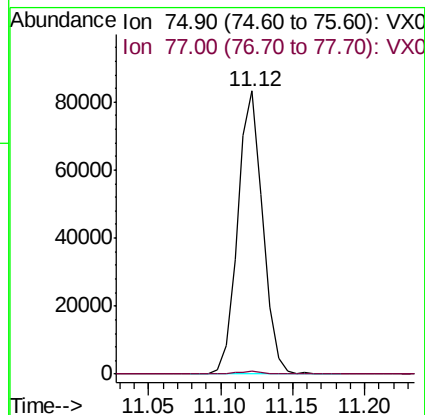
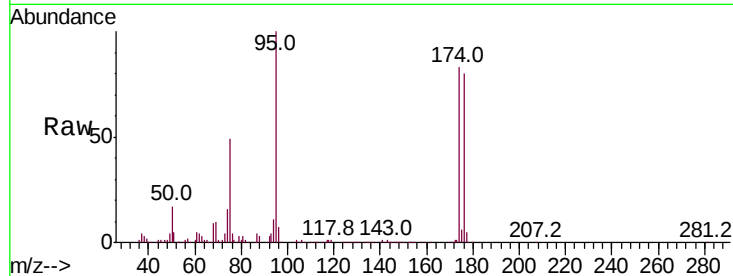
TB01-20200630

Tot Ion: 75 Resp: 100999

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.684 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

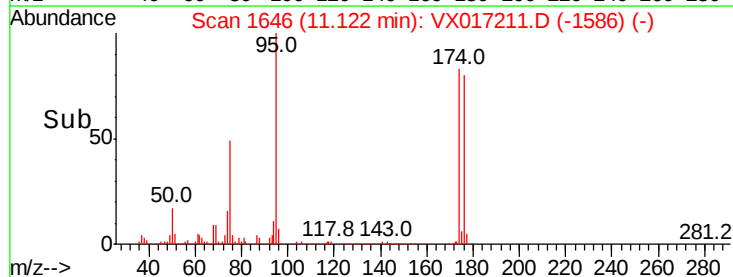
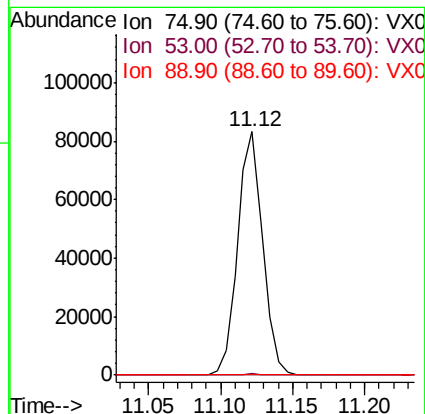
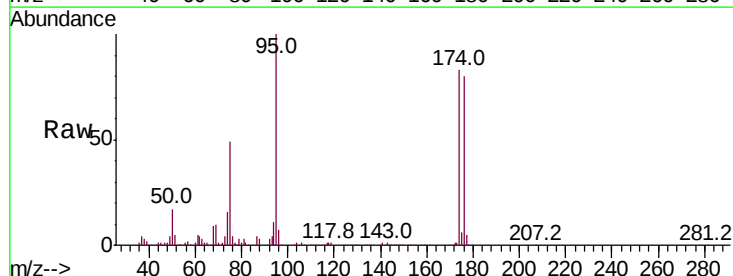
Tgt Ion: 75 Resp: 100999

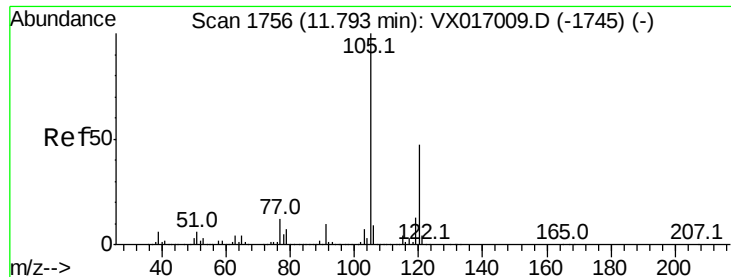
Ion Ratio Lower Upper

75 100

53 0.5 72.4 108.6#

89 0.1 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.234 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

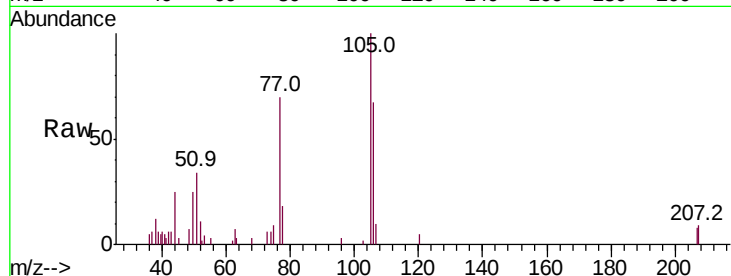
TB01-20200630

Tot Ion:105 Resp: 2821

Ion Ratio Lower Upper

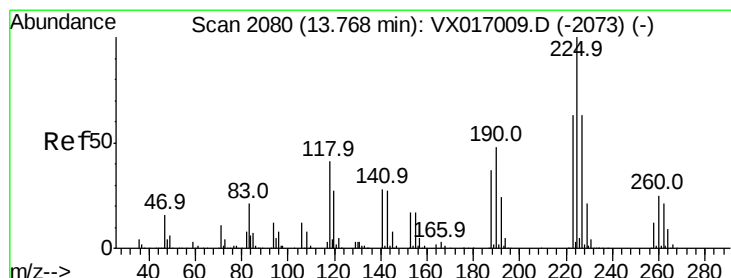
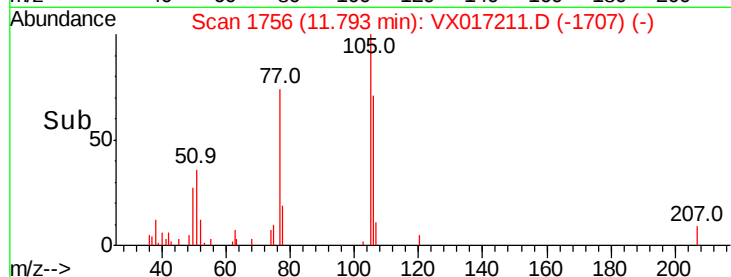
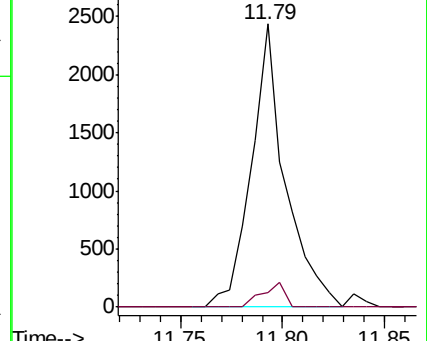
105 100

120 5.7 22.9 68.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#94

Hexachlorobutadiene

Concen: 0.862 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017211.D

Acq: 07 Jul 2020 18:08

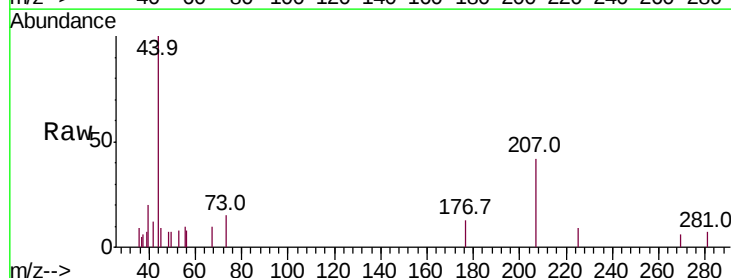
Tgt Ion:225 Resp: 31

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

