

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070720\
 Data File : VX017197.D
 Acq On : 07 Jul 2020 12:50
 Operator : JC/SP
 Sample : L3159-25
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB06-20200629

Quant Time: Jul 08 01:52:16 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

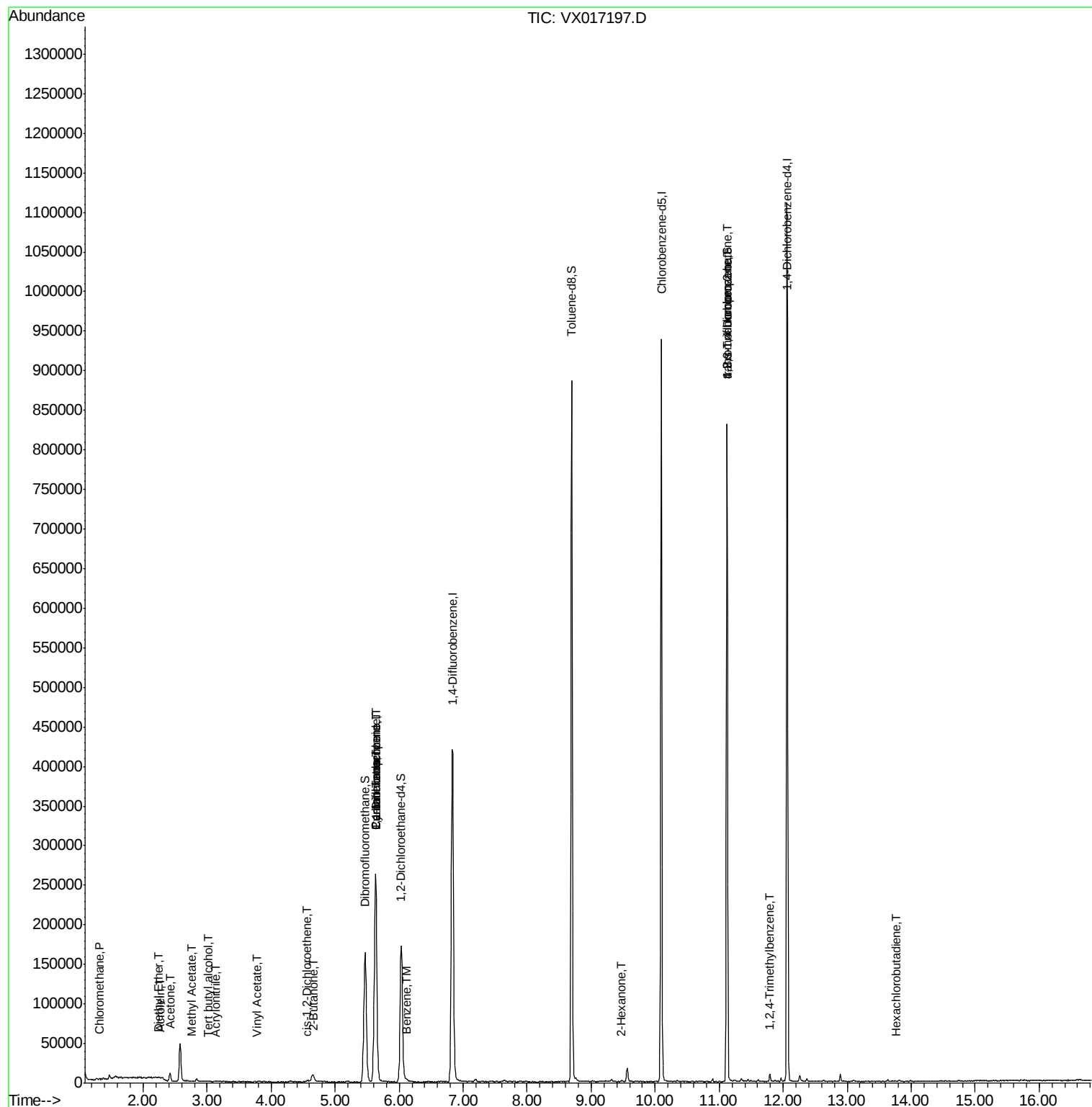
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	257092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	428390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228317	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	166031	52.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.78%	
35) Dibromofluoromethane	5.47	113	142142	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
50) Toluene-d8	8.70	98	512957	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.12	95	208413	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	773	0.257	ug/l	94
8) Diethyl Ether	2.25	74	99	0.436	ug/l	86
11) Tert butyl alcohol	3.02	59	1142	1.889	ug/l #	91
13) Acrolein	2.26	56	501	1.386	ug/l #	62
15) Acrylonitrile	3.12	53	329	0.226	ug/l #	67
16) Acetone	2.42	43	9985	8.422	ug/l	93
18) Methyl Acetate	2.76	43	693	0.224	ug/l #	88
20) Methylene Chloride	2.84	84	1198	Below Cal	#	83
23) Vinyl Acetate	3.78	43	1528	0.204	ug/l #	71
25) 2-Butanone	4.65	43	4396	2.225	ug/l	93
27) cis-1,2-Dichloroethene	4.56	96	1166	0.365	ug/l #	1
31) Cyclohexane	5.63	56	5094	1.190	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	18740	4.629	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25362	5.687	ug/l #	18
40) Benzene	6.12	78	3399	0.286	ug/l #	88
59) 2-Hexanone	9.48	43	964	0.324	ug/l	65
76) 1,2,3-Trichloropropane	11.12	75	104374	23.247	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104374	60.202	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.79	105	2794	0.222	ug/l #	44
88) 1,4-Dichlorobenzene	12.01	146	525	Below Cal		90
94) Hexachlorobutadiene	13.77	225	208	0.957	ug/l	81

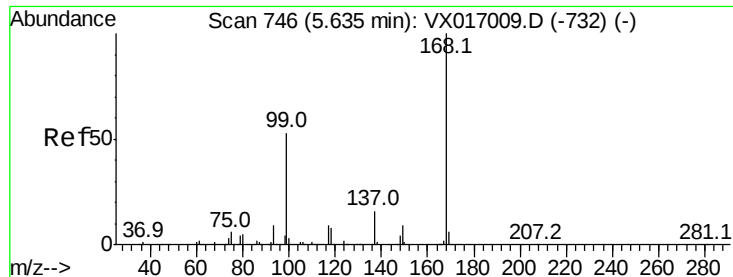
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
TB06-20200629

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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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

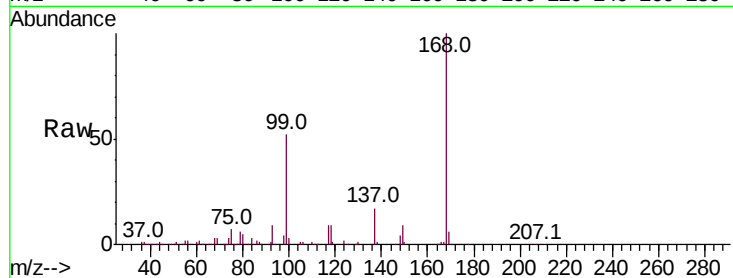
TB06-20200629

Tot Ion:168 Resp: 257092

Ion Ratio Lower Upper

168 100

99 51.8 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

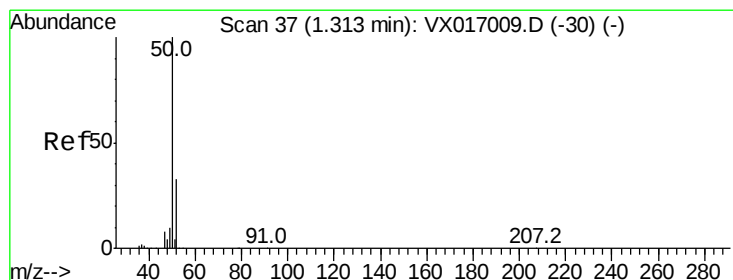
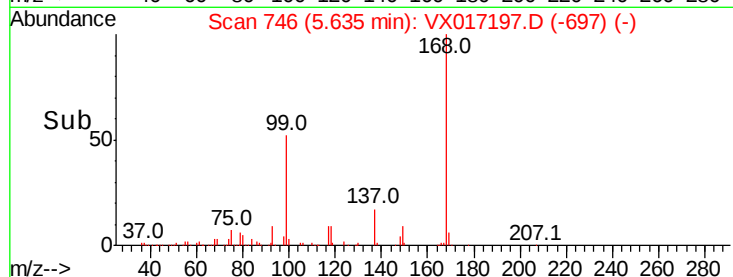
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.257 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017197.D

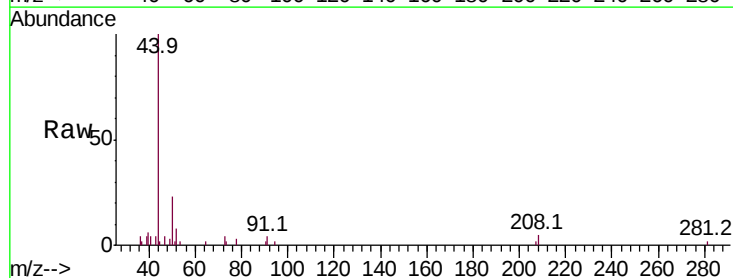
Acq: 07 Jul 2020 12:50

Tgt Ion: 50 Resp: 773

Ion Ratio Lower Upper

50 100

52 35.9 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

800

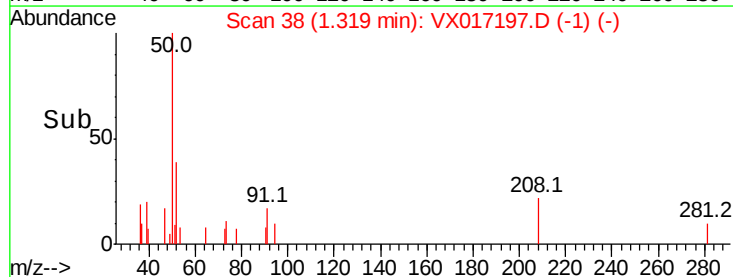
600

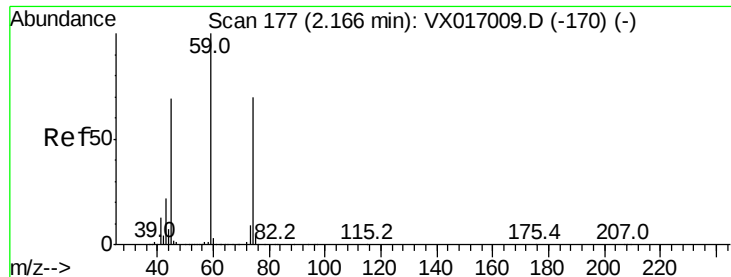
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.436 ug/l

RT: 2.25 min Scan# 190

Delta R.T. 0.08 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

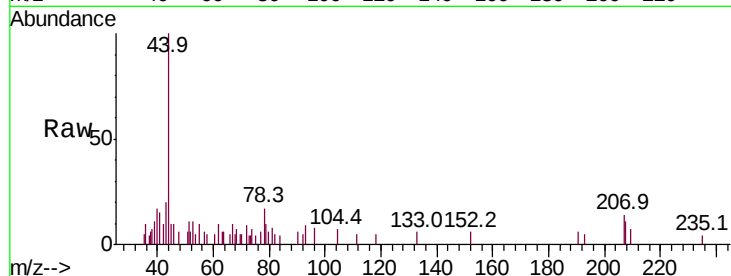
TB06-20200629

Tot Ion: 74 Resp: 99

Ion Ratio Lower Upper

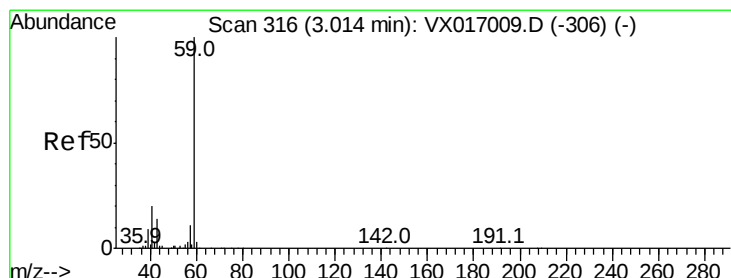
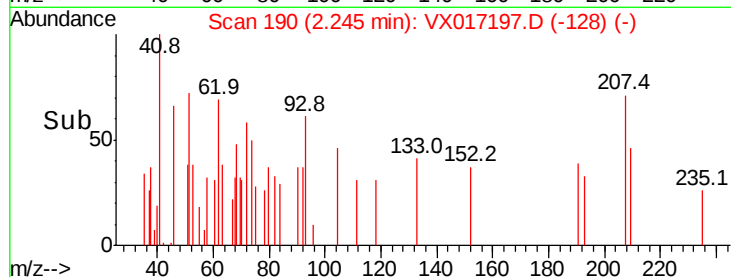
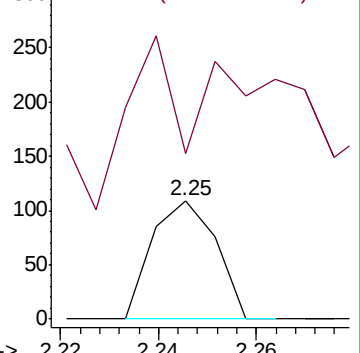
74 100

45 113.1 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: 1.889 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX017197.D

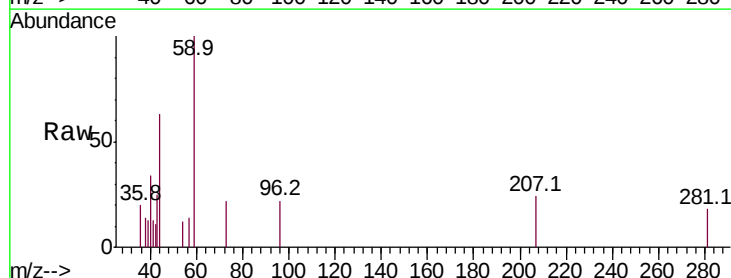
Acq: 07 Jul 2020 12:50

Tgt Ion: 59 Resp: 1142

Ion Ratio Lower Upper

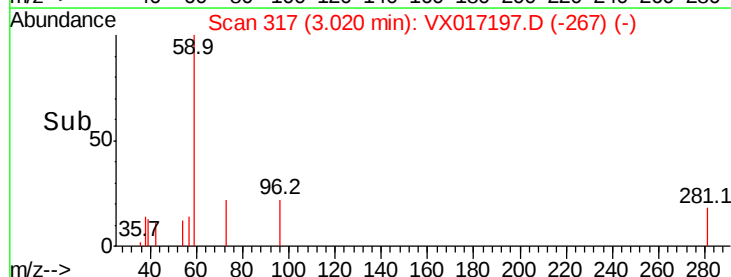
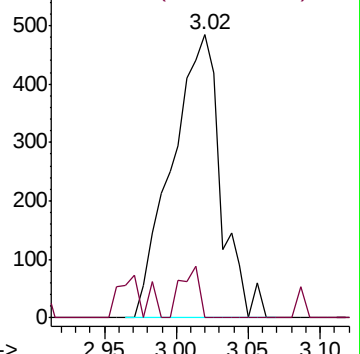
59 100

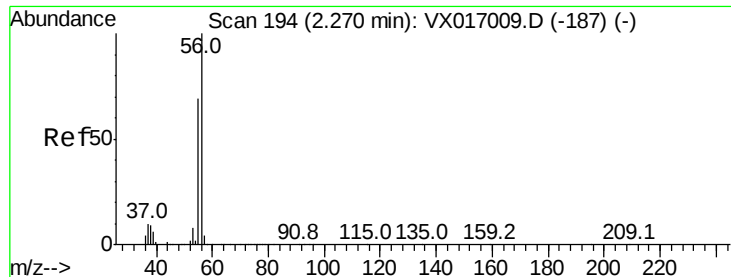
57 6.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.386 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

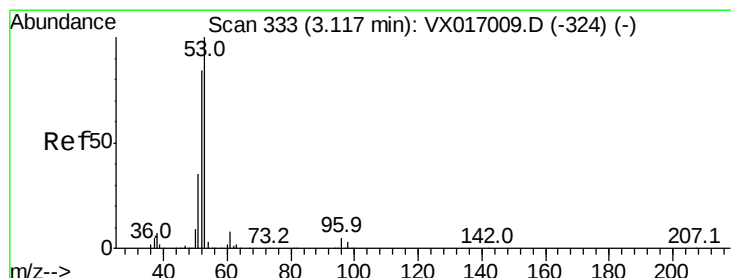
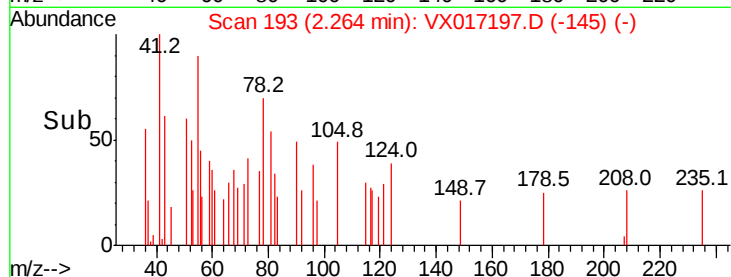
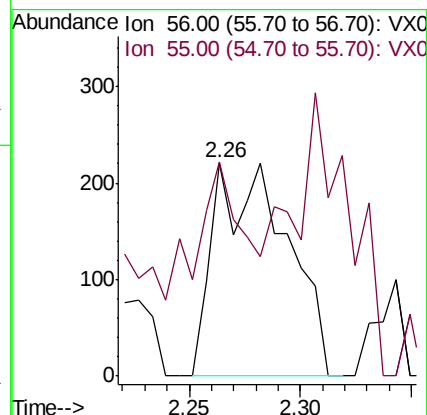
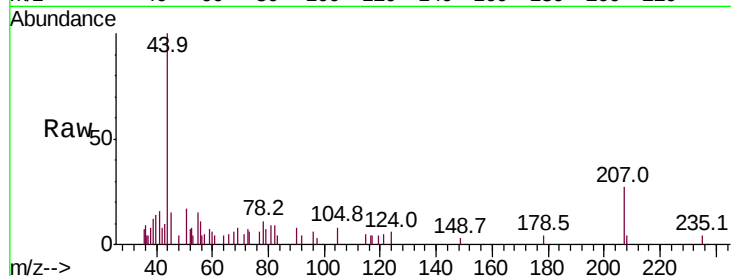
TB06-20200629

Tot Ion: 56 Resp: 501

Ion Ratio Lower Upper

56 100

55 38.9 55.7 83.5#



#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

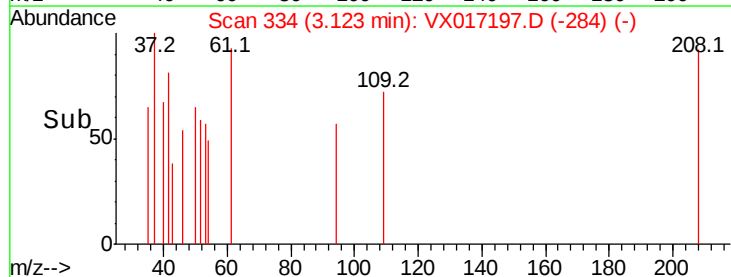
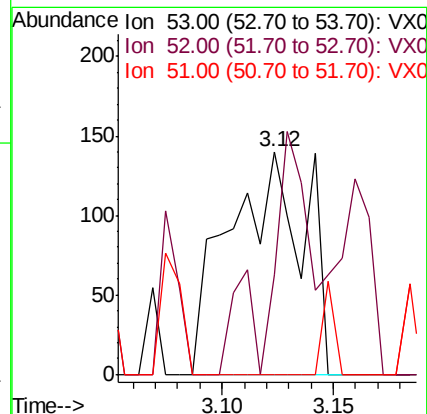
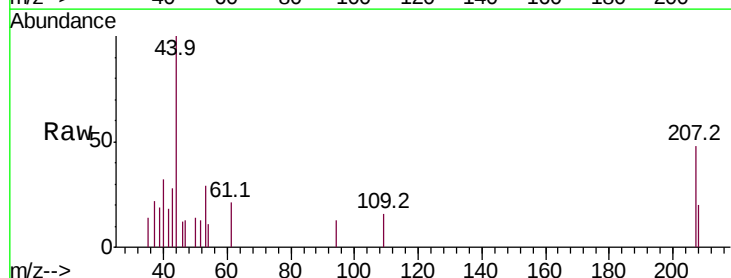
Tgt Ion: 53 Resp: 329

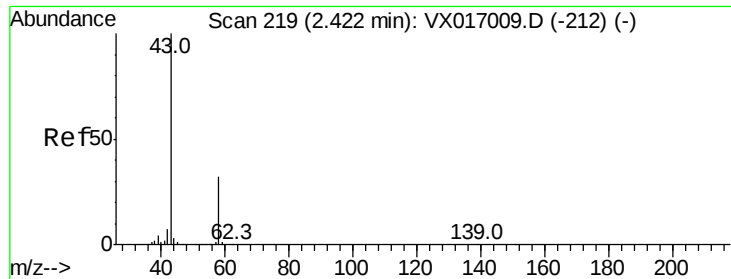
Ion Ratio Lower Upper

53 100

52 63.2 65.6 98.4#

51 0.0 28.3 42.5#





#16

Acetone

Concen: 8.422 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

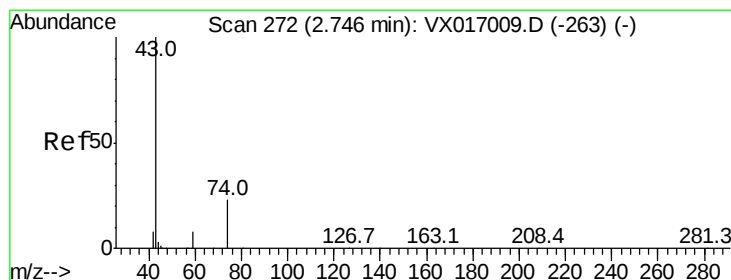
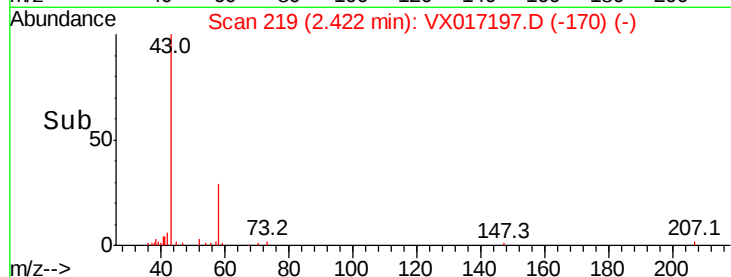
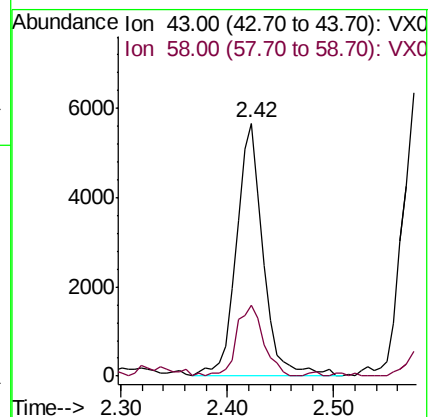
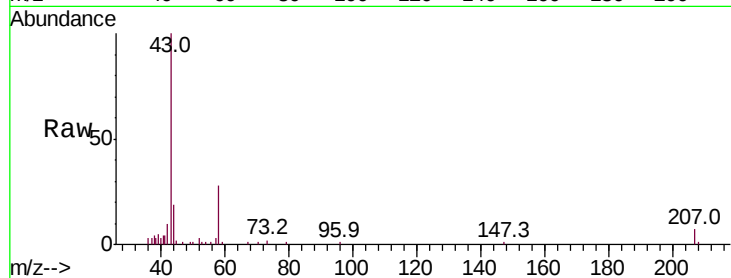
TB06-20200629

Tot Ion: 43 Resp: 9985

Ion Ratio Lower Upper

43 100

58 28.3 25.7 38.5



#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017197.D

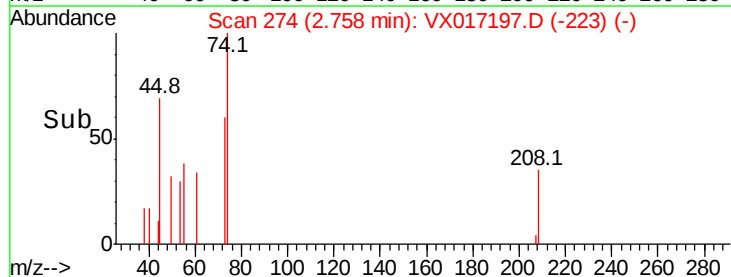
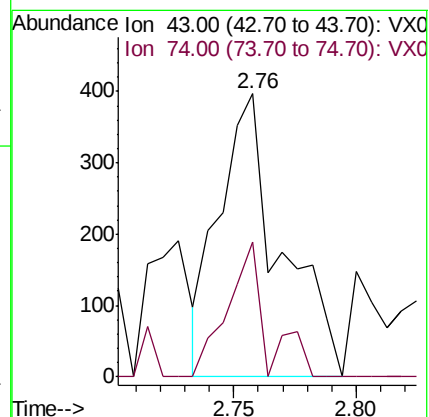
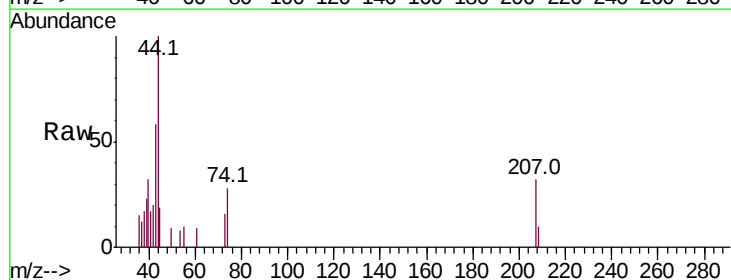
Acq: 07 Jul 2020 12:50

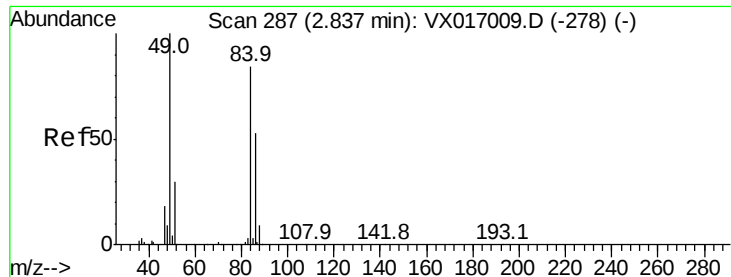
Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

43 100

74 30.0 19.3 28.9#

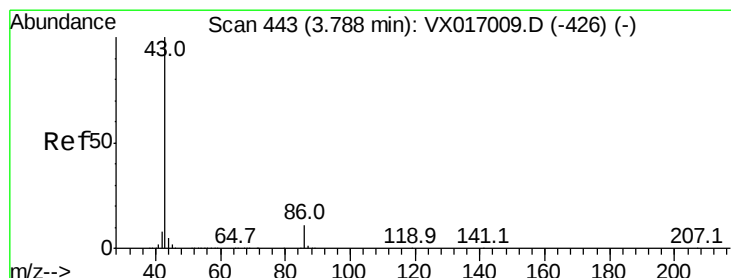
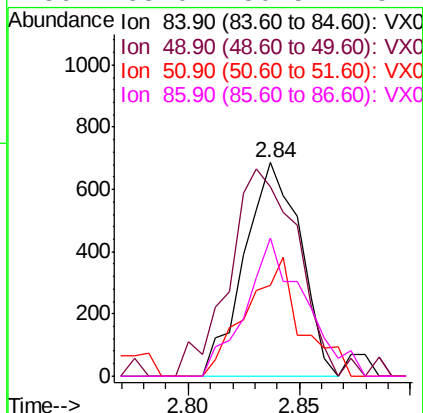
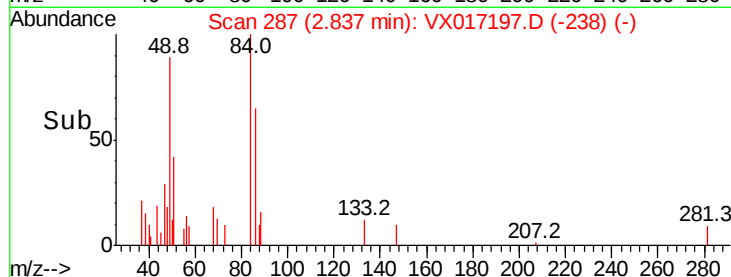
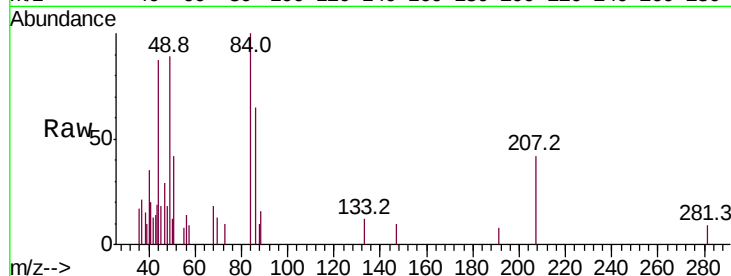




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

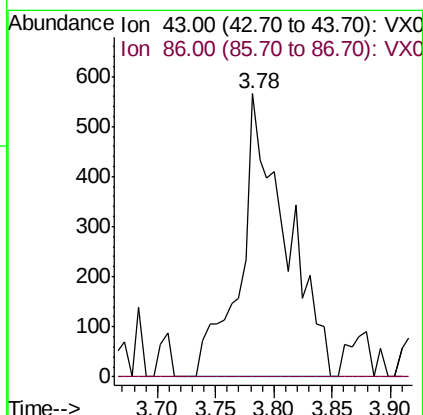
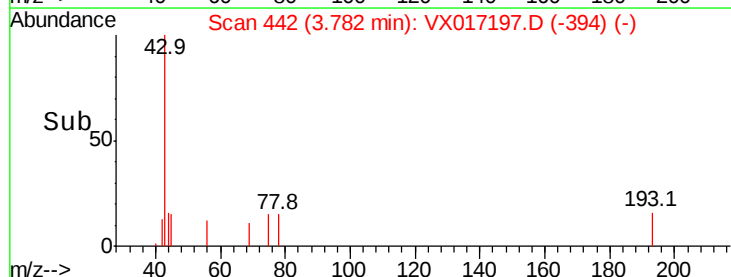
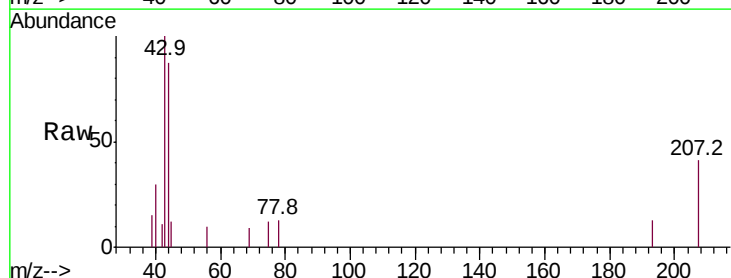
Instrument :
MSVOA_X
ClientSampleId :
TB06-20200629

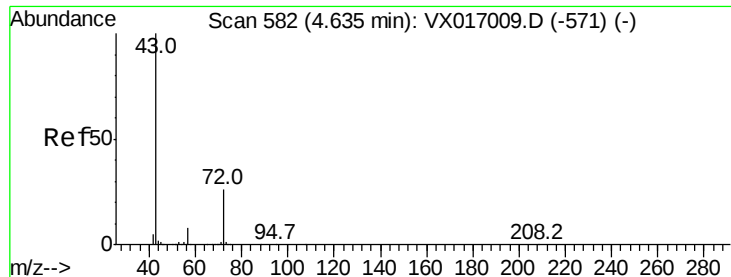
Tot Ion: 84 Resp: 1198
Ion Ratio Lower Upper
84 100
49 88.8 94.7 142.1#
51 42.3 28.6 42.8
86 65.0 50.5 75.7



#23
Vinyl Acetate
Concen: 0.204 ug/l
RT: 3.78 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#





#25

2-Butanone

Concen: 2.225 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

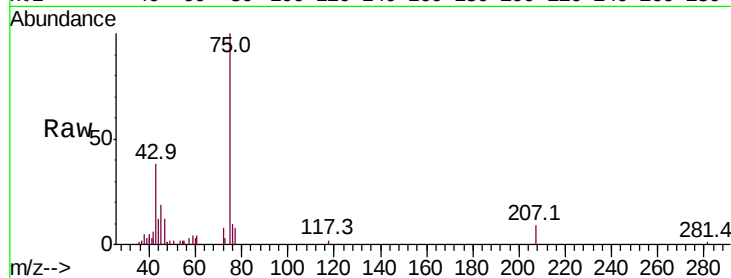
TB06-20200629

Tot Ion: 43 Resp: 4396

Ion Ratio Lower Upper

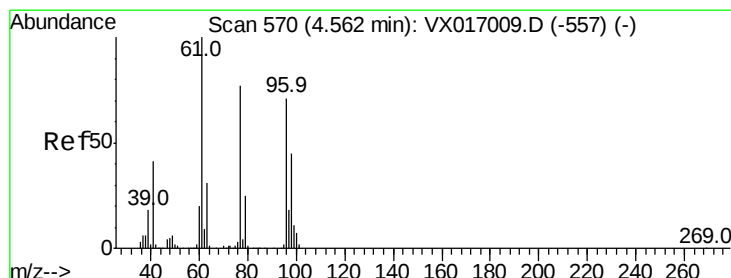
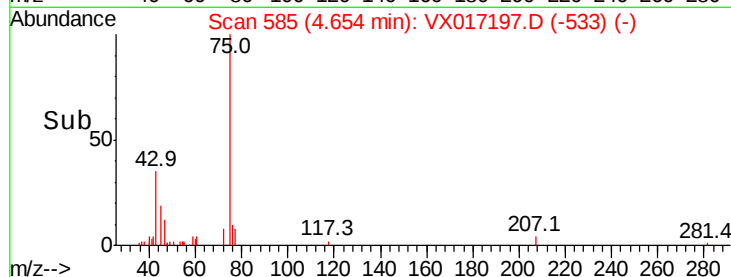
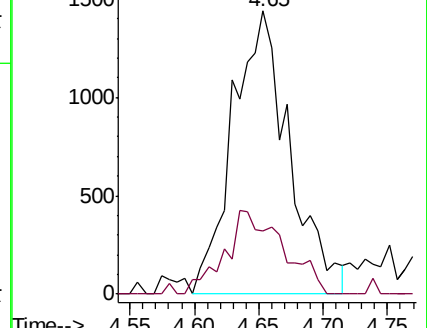
43 100

72 22.3 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: 0.365 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

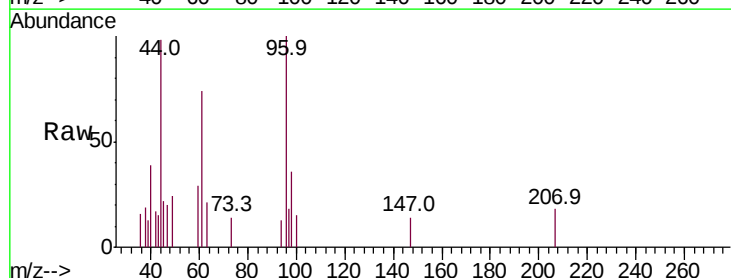
Tgt Ion: 96 Resp: 1166

Ion Ratio Lower Upper

96 100

61 0.0 0.0 282.8

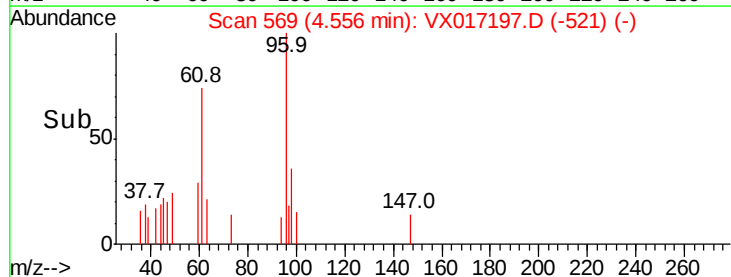
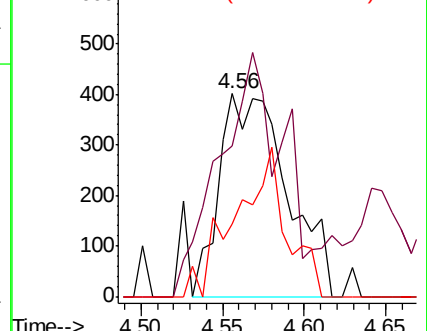
98 0.0 0.0 127.6

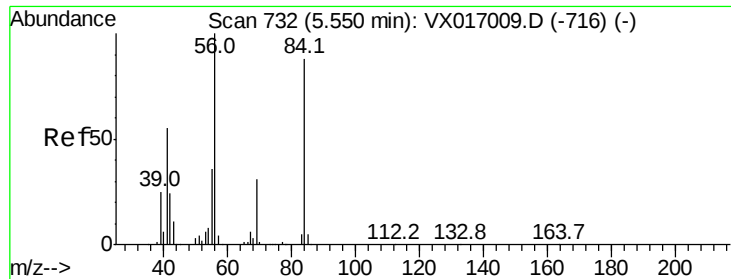


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

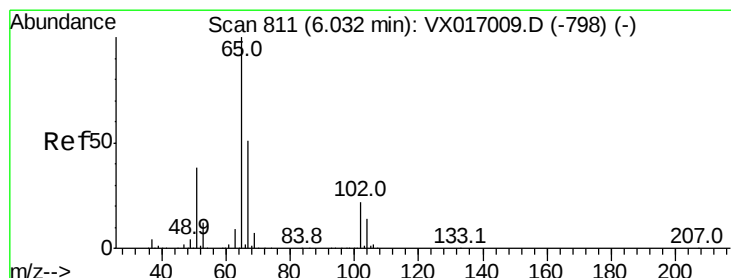
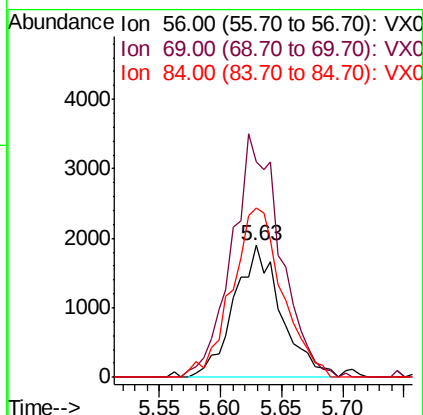
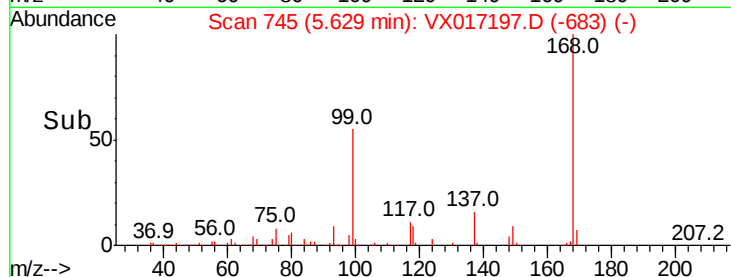
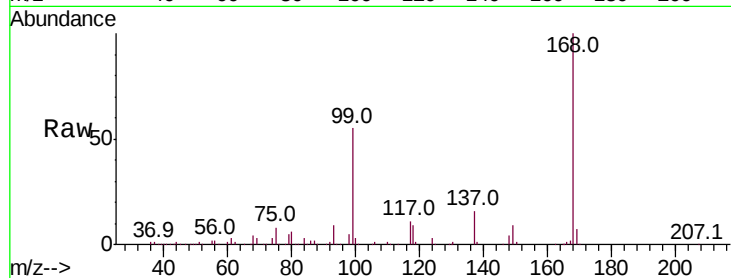




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

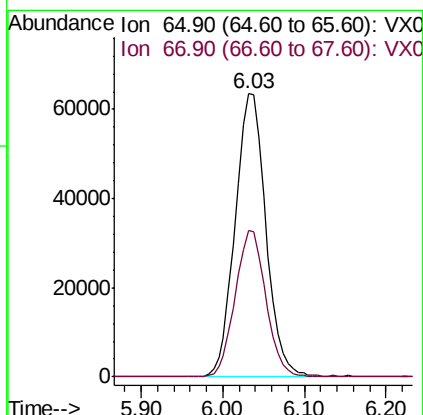
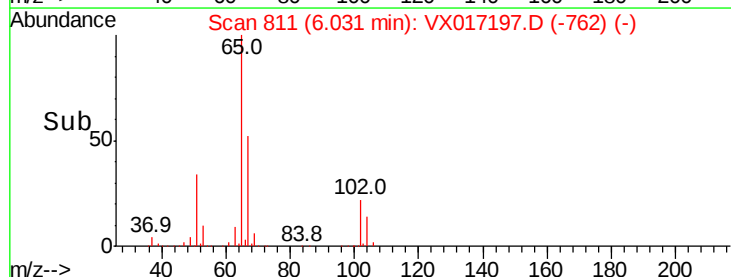
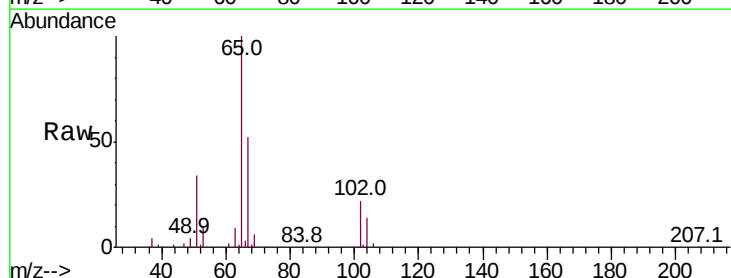
Instrument :
MSVOA_X
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TB06-20200629

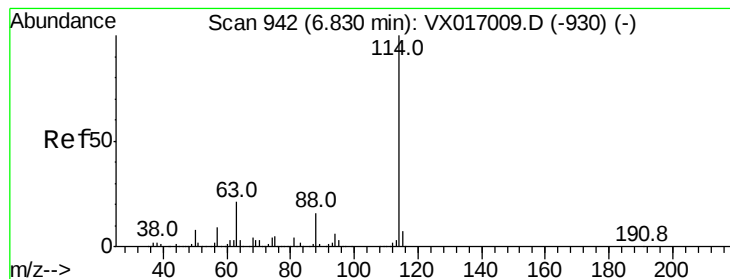
Tot Ion: 56 Resp: 5094
Ion Ratio Lower Upper
56 100
69 163.4 25.0 37.4#
84 128.7 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 52.385 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

Tgt Ion: 65 Resp: 166031
Ion Ratio Lower Upper
65 100
67 51.4 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: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

TB06-20200629

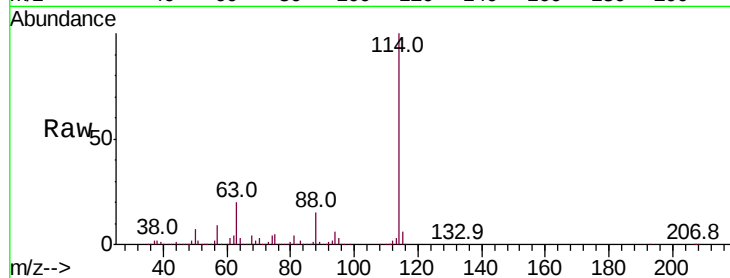
Tot Ion:114 Resp: 428390

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

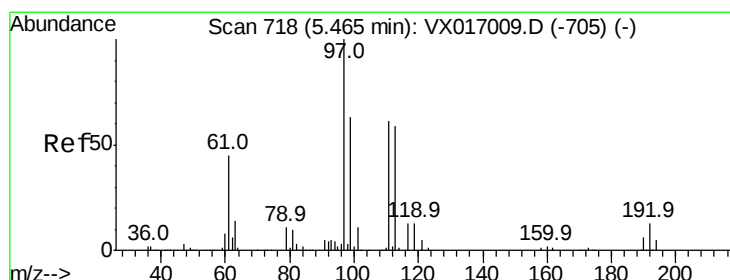
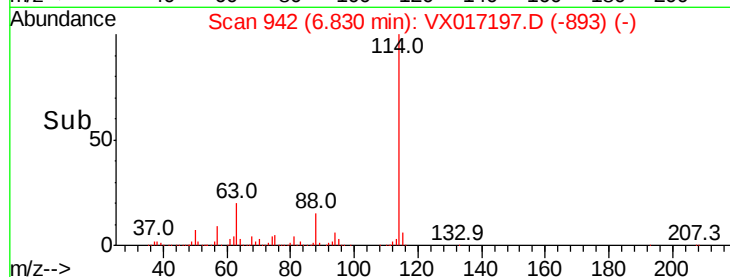
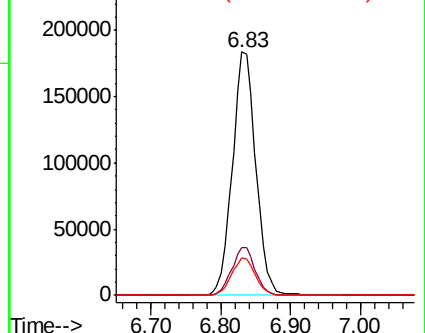
88 15.3 0.0 32.4



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: 52.454 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

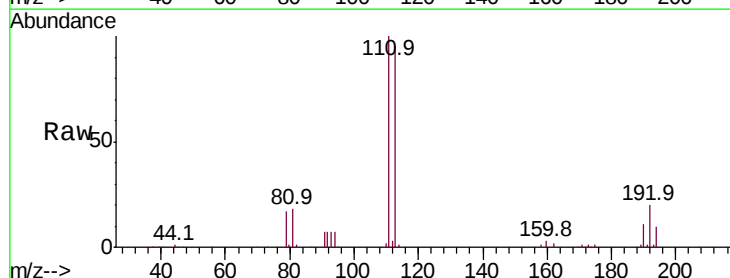
Tgt Ion:113 Resp: 142142

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

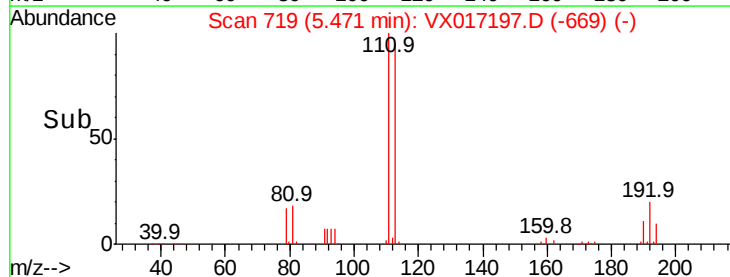
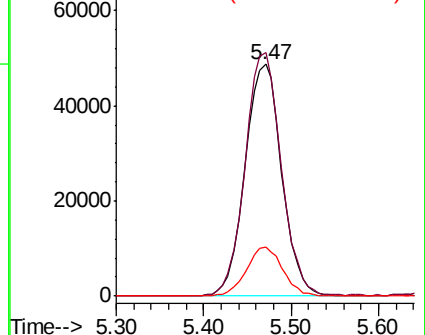
192 21.0 16.7 25.1

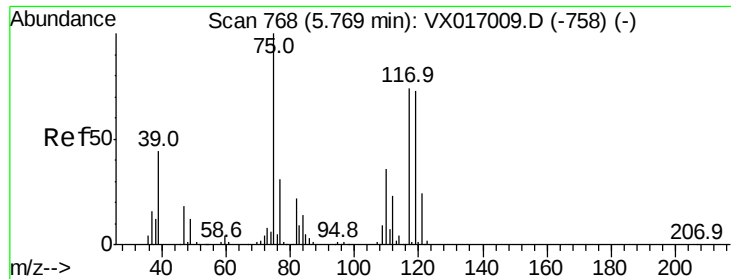


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.629 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

TB06-20200629

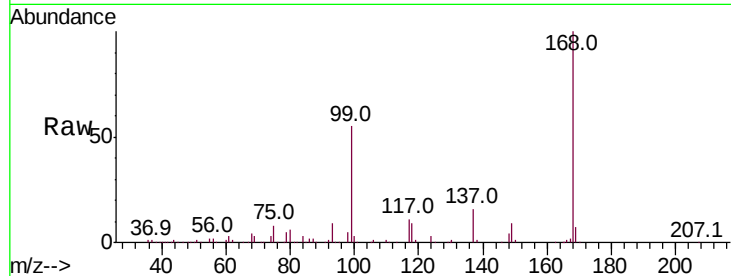
Tot Ion: 75 Resp: 18740

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

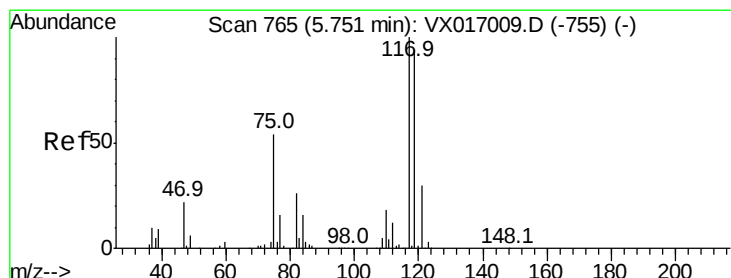
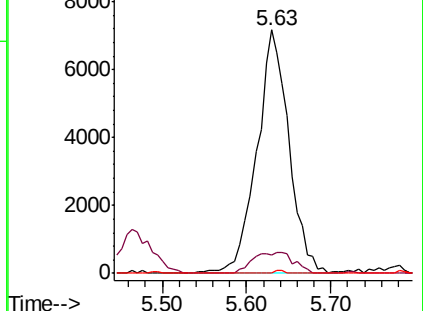
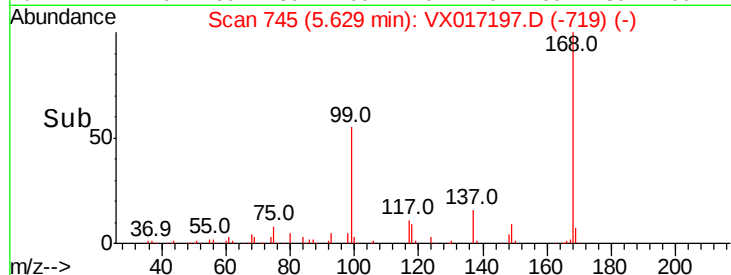
77 0.3 24.6 37.0#



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: 5.687 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

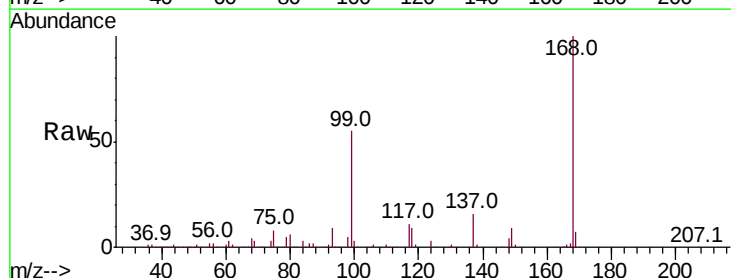
Tgt Ion: 117 Resp: 25362

Ion Ratio Lower Upper

117 100

119 7.3 75.4 113.0#

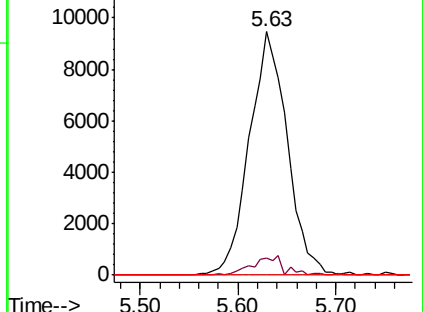
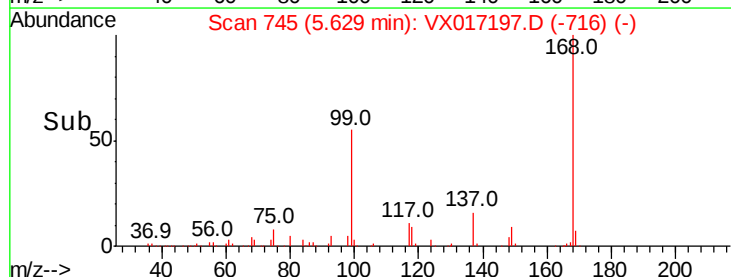
121 0.0 23.8 35.6#

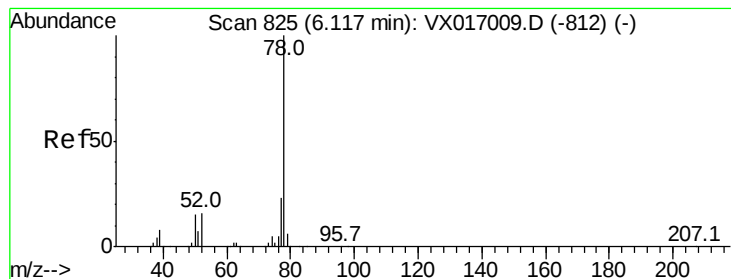


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.286 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

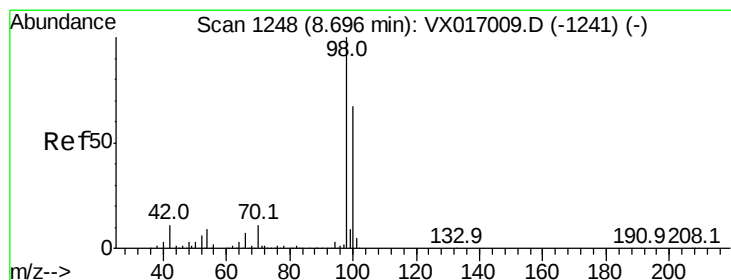
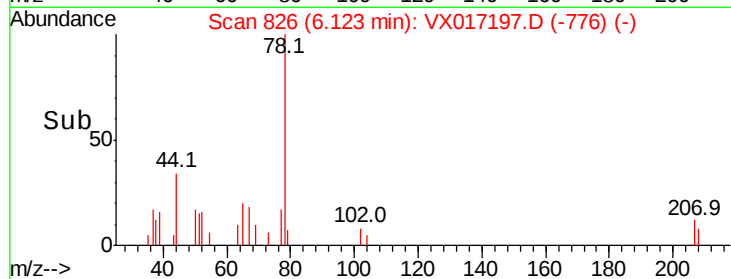
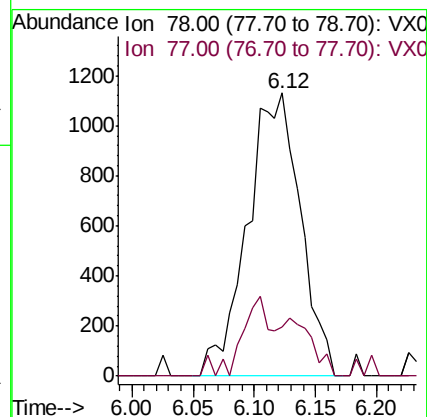
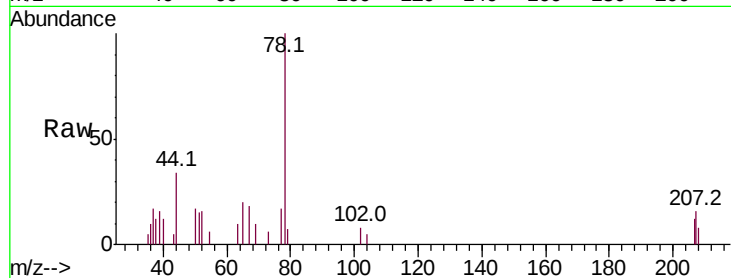
TB06-20200629

Tot Ion: 78 Resp: 3399

Ion Ratio Lower Upper

78 100

77 17.2 18.3 27.5#



#50

Toluene-d8

Concen: 51.191 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017197.D

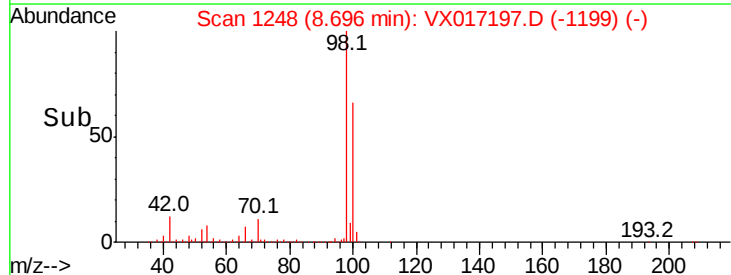
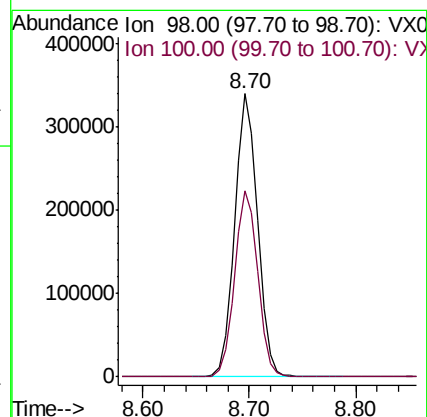
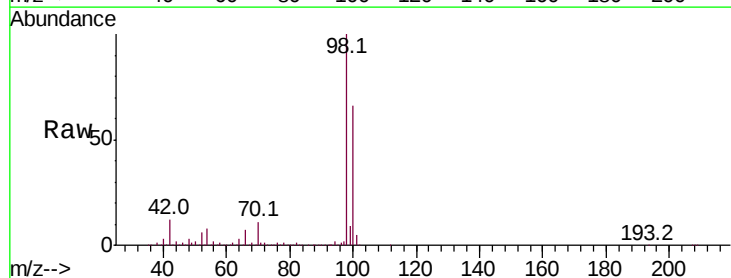
Acq: 07 Jul 2020 12:50

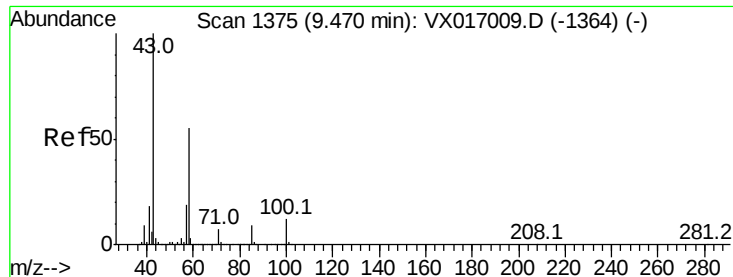
Tgt Ion: 98 Resp: 512957

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6

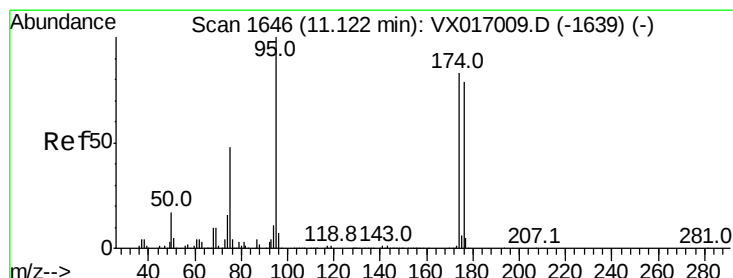
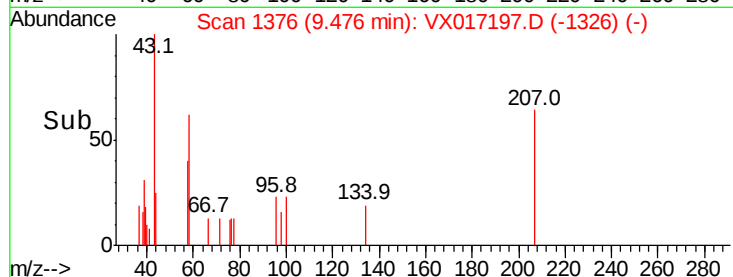
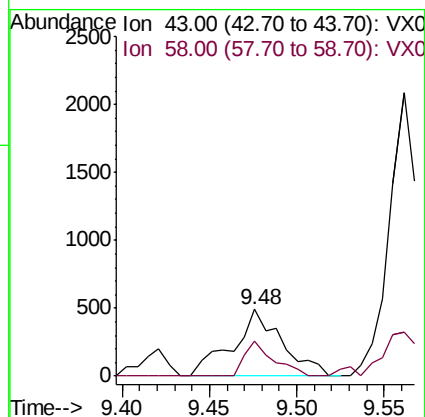
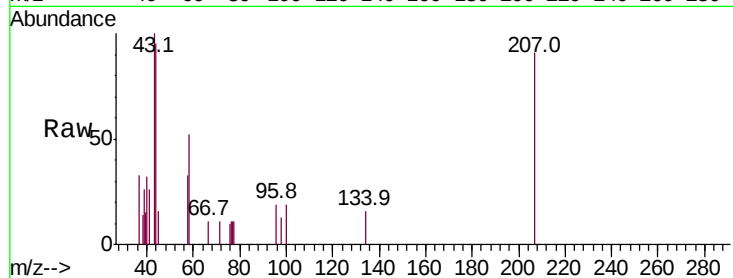




#59
2-Hexanone
Concen: 0.324 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

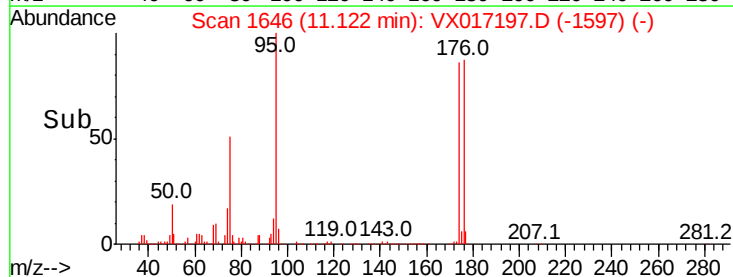
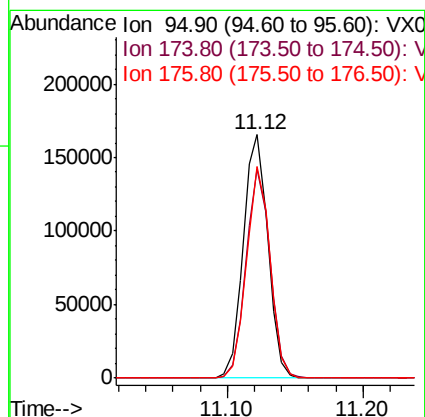
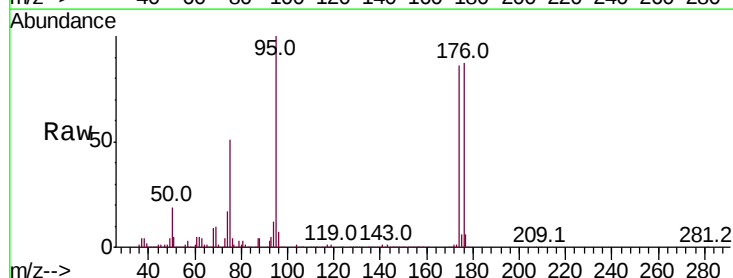
Instrument :
MSVOA_X
ClientSampleId :
TB06-20200629

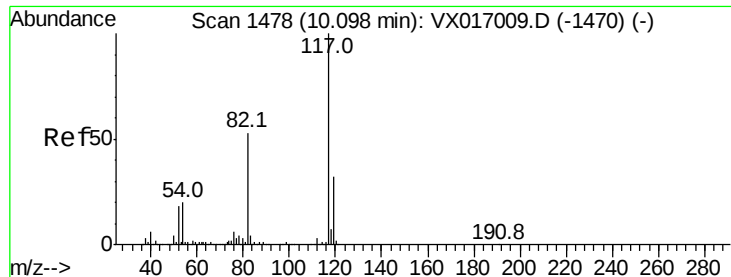
Tot Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 30.5 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 53.205 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

Tgt Ion: 95 Resp: 208413
Ion Ratio Lower Upper
95 100
174 84.9 0.0 164.0
176 83.8 0.0 157.6

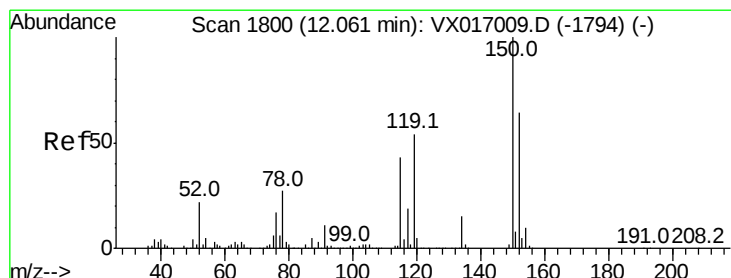
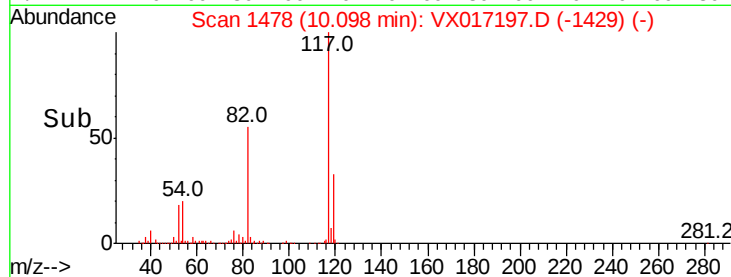
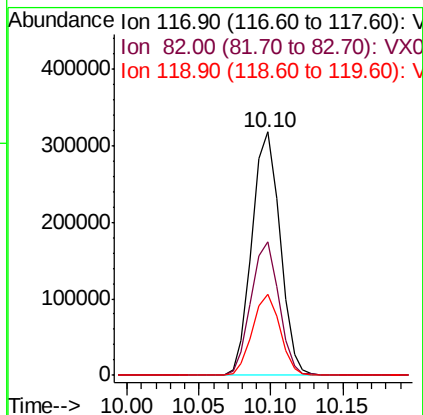
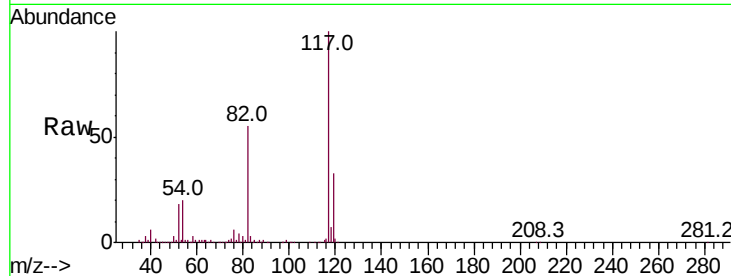




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

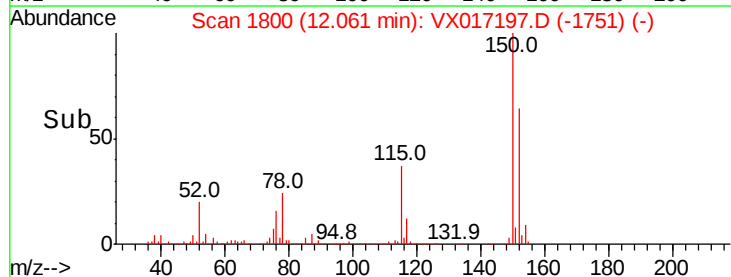
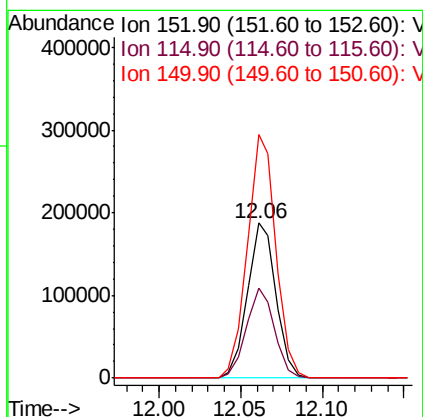
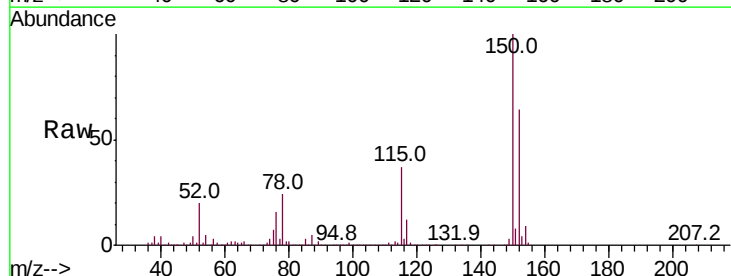
Instrument :
MSVOA_X
ClientSampleId :
TB06-20200629

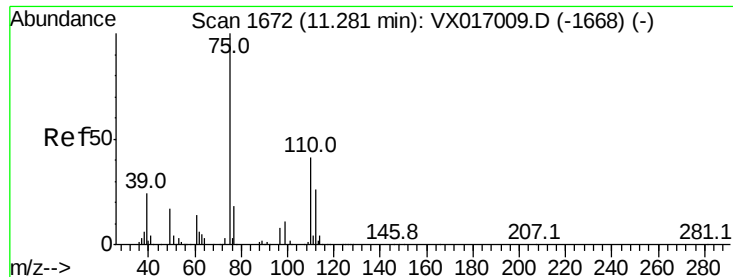
Tot Ion:117 Resp: 428936
Ion Ratio Lower Upper
117 100
82 54.6 42.6 63.8
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017197.D
Acq: 07 Jul 2020 12:50

Tgt Ion:152 Resp: 228317
Ion Ratio Lower Upper
152 100
115 57.7 40.9 122.7
150 157.1 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.247 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

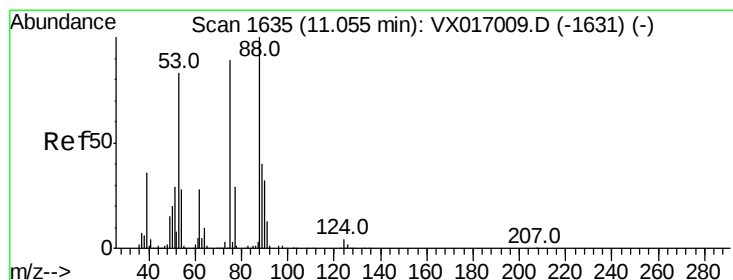
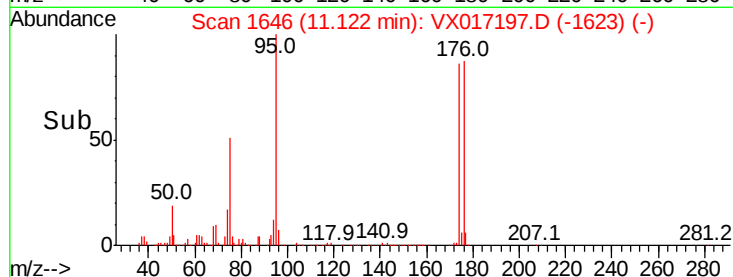
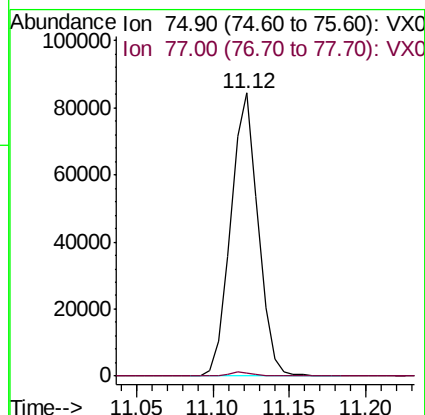
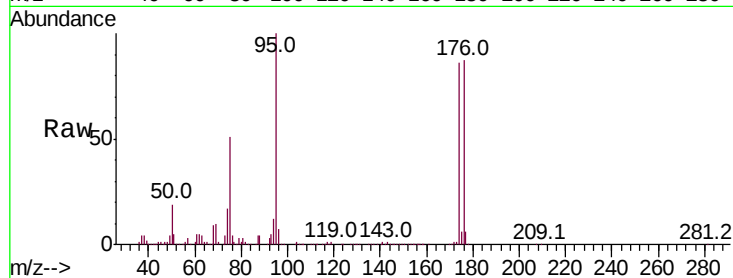
TB06-20200629

Tot Ion: 75 Resp: 104374

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.202 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

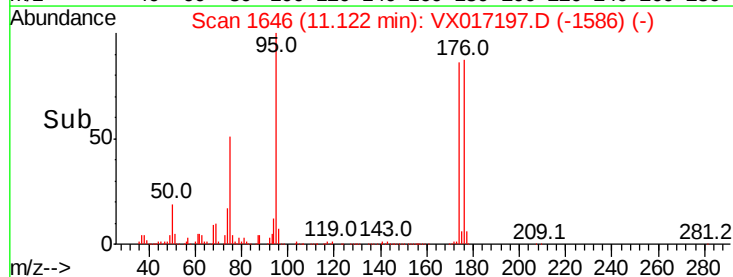
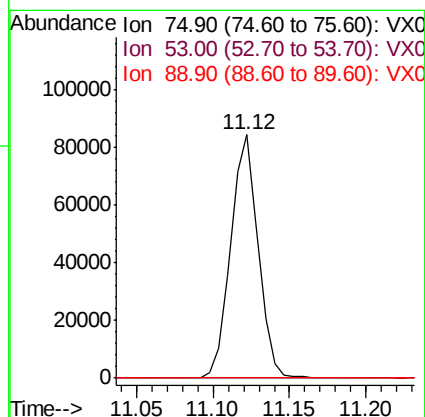
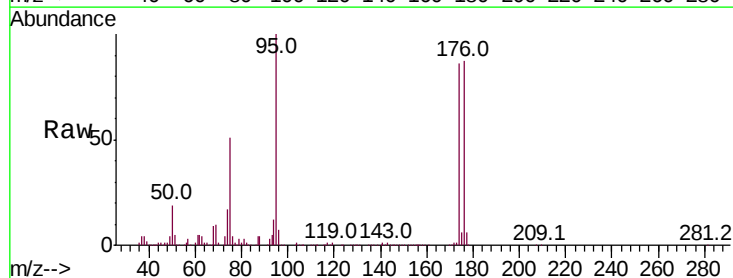
Tgt Ion: 75 Resp: 104374

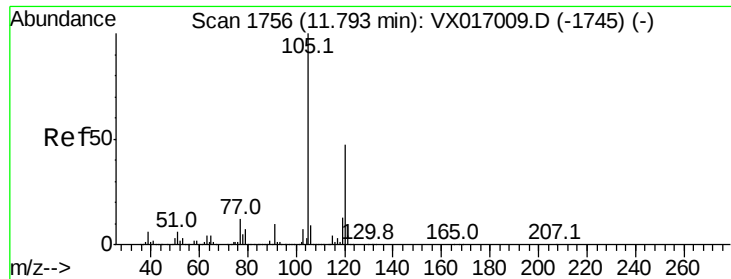
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.1 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.222 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

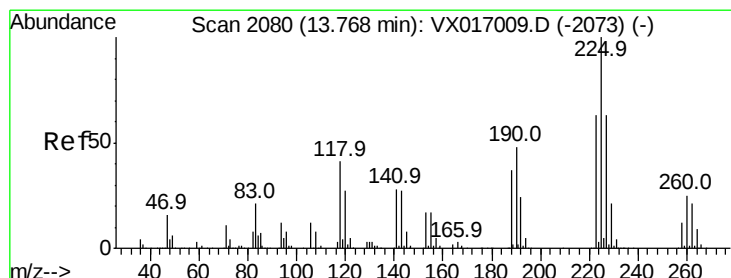
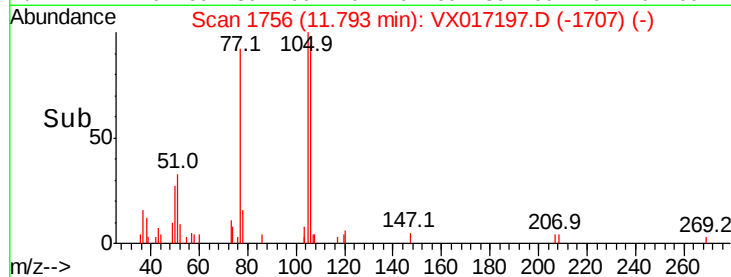
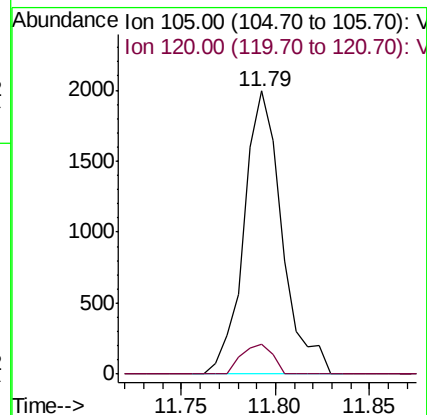
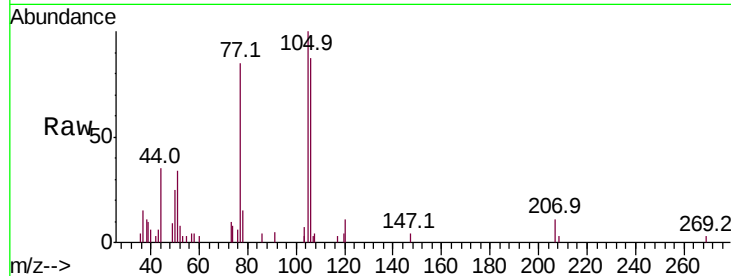
TB06-20200629

Tot Ion:105 Resp: 2794

Ion Ratio Lower Upper

105 100

120 8.6 22.9 68.5#



#94

Hexachlorobutadiene

Concen: 0.957 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017197.D

Acq: 07 Jul 2020 12:50

Tgt Ion:225 Resp: 208

Ion Ratio Lower Upper

225 100

223 58.7 32.5 97.5

227 42.3 33.1 99.2

