

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017042.D
 Acq On : 30 Jun 2020 14:08
 Operator : JC/SP
 Sample : L3147-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB05-20200626

Quant Time: Jul 01 08:05:10 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

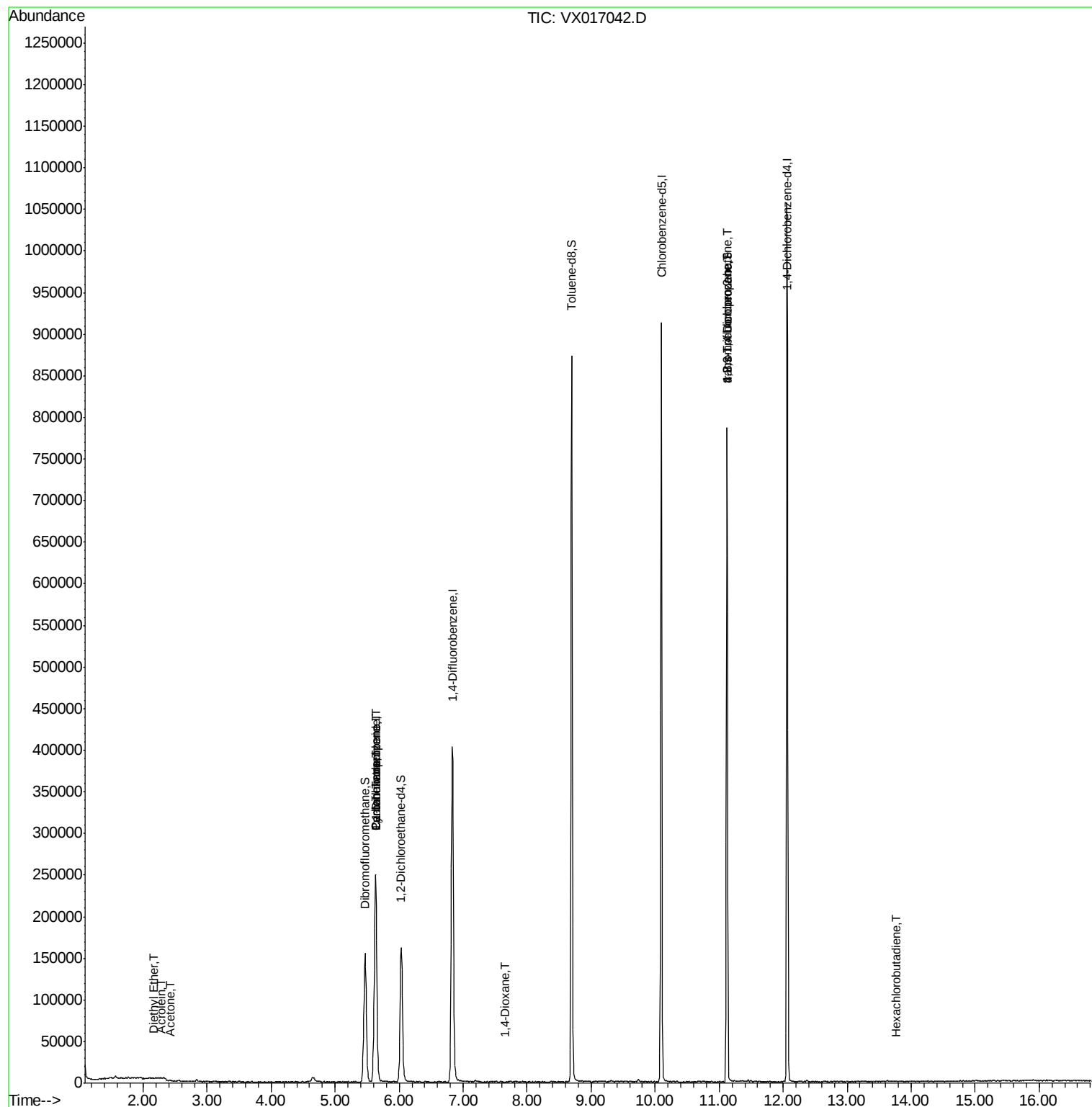
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	237823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	404741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	416760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	154445	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
35) Dibromofluoromethane	5.47	113	132680	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
50) Toluene-d8	8.70	98	498270	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	11.12	95	201969	54.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.14%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.18	74	150	0.481	ug/l	60
13) Acrolein	2.28	56	379	1.134	ug/l #	51
16) Acetone	2.42	43	444	0.405	ug/l #	77
20) Methylene Chloride	2.84	84	1257	Below Cal	#	84
31) Cyclohexane	5.63	56	5002	1.264	ug/l #	11
36) 1,1-Dichloropropene	5.63	75	17510	4.577	ug/l #	50
38) Carbon Tetrachloride	5.64	117	23306	5.532	ug/l #	18
44) Trichloroethene	7.18	130	370	Below Cal		62
49) 1,4-Dioxane	7.65	88	19	0.274	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	99703	23.442	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99703	60.707	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	296	Below Cal		88
94) Hexachlorobutadiene	13.76	225	43	0.869	ug/l #	17

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

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MSVOA_X
ClientSampled :
TB05-20200626

Quant Time: Jul 01 08:05:10 2020
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: VX017042.D

Acq: 30 Jun 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

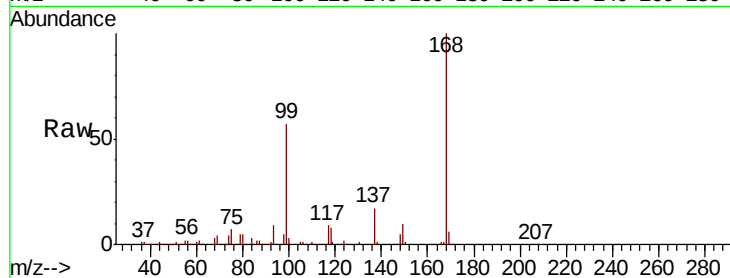
TB05-20200626

Tot Ion:168 Resp: 237823

Ion Ratio Lower Upper

168 100

99 56.6 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

80000

60000

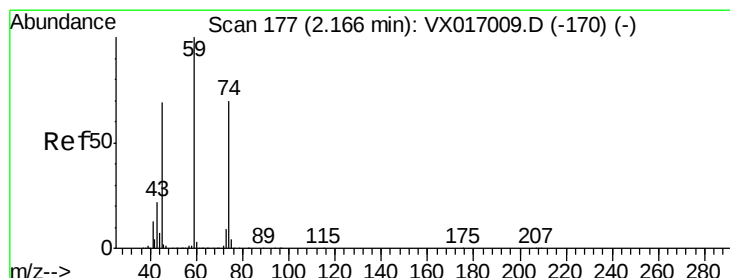
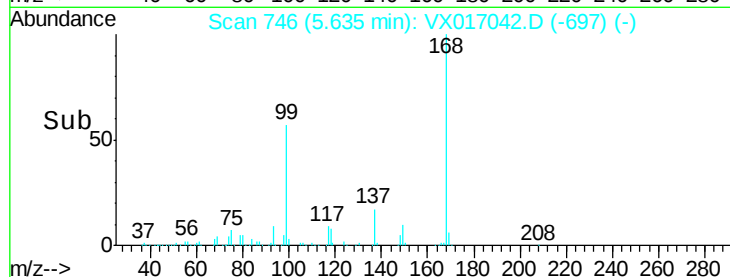
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#8

Diethyl Ether

Concen: 0.481 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017042.D

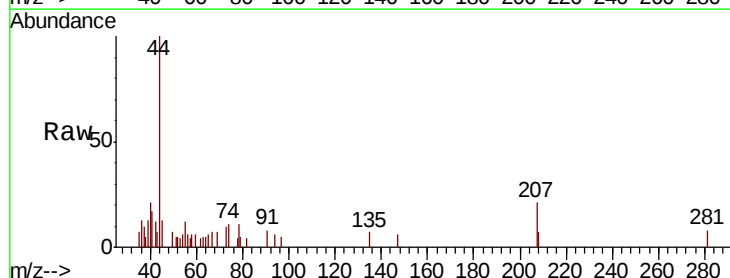
Acq: 30 Jun 2020 14:08

Tgt Ion: 74 Resp: 150

Ion Ratio Lower Upper

74 100

45 60.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

300

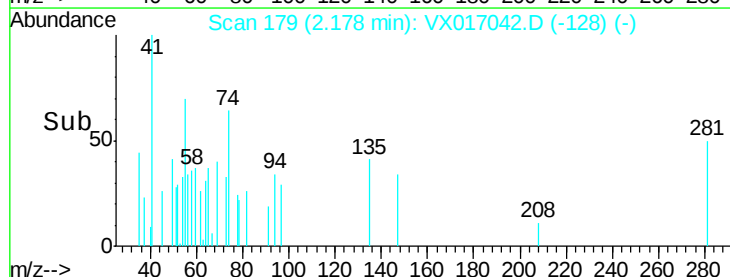
200

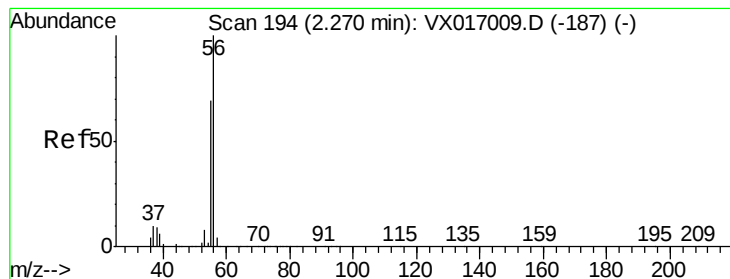
100

0

2.14 2.16 2.18 2.20

Time-->





#13

Acrolein

Concen: 1.134 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

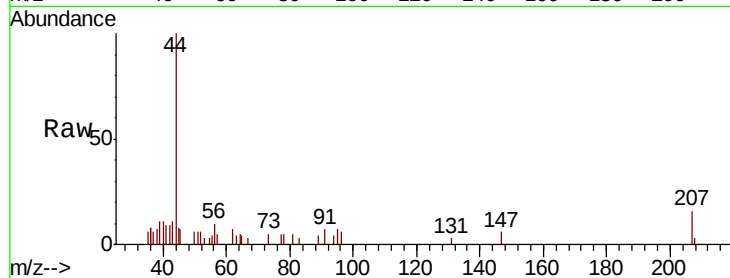
TB05-20200626

Tot Ion: 56 Resp: 379

Ion Ratio Lower Upper

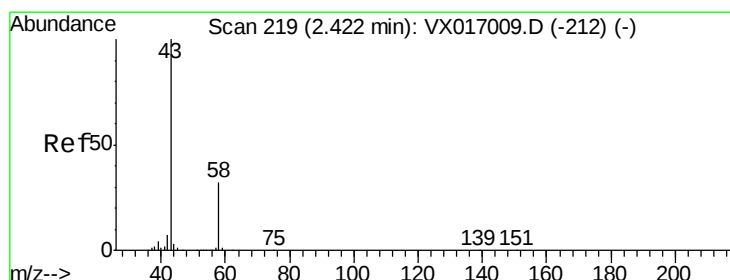
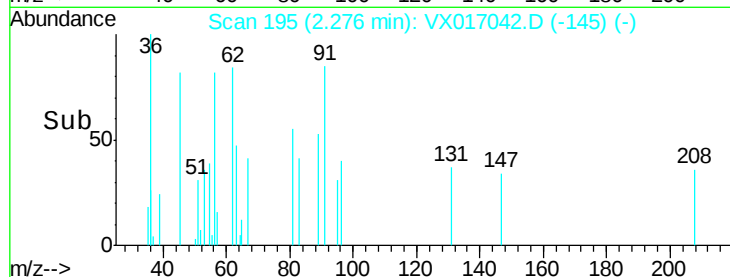
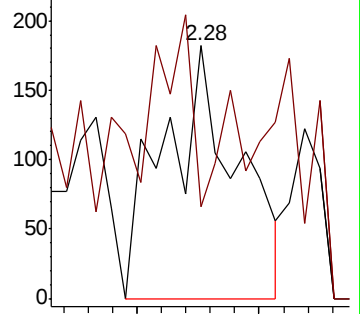
56 100

55 29.6 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: 0.405 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017042.D

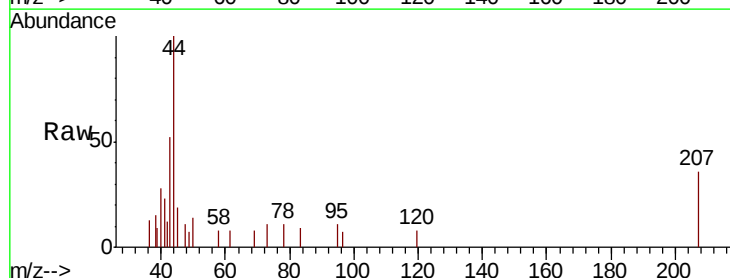
Acq: 30 Jun 2020 14:08

Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

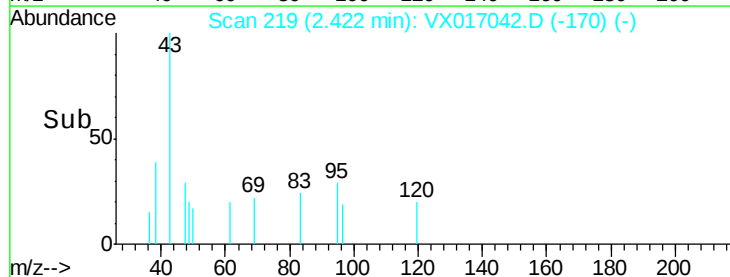
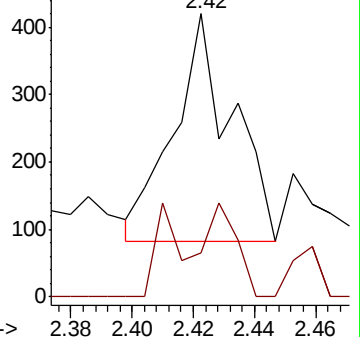
43 100

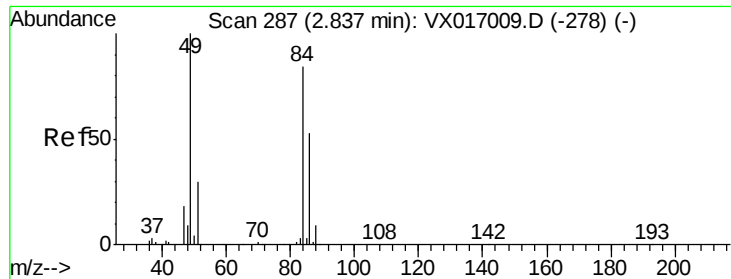
58 19.3 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

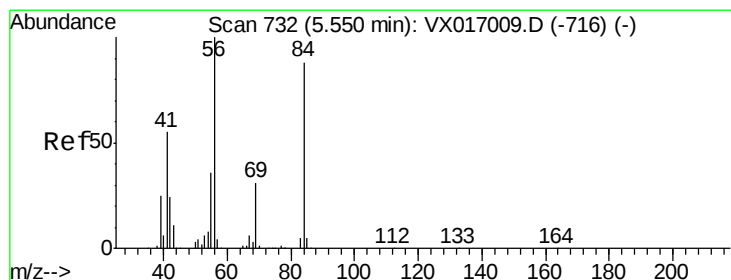
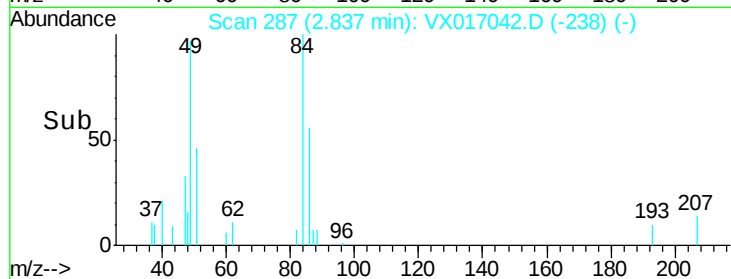
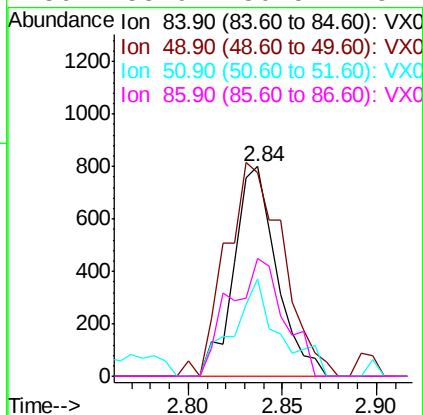
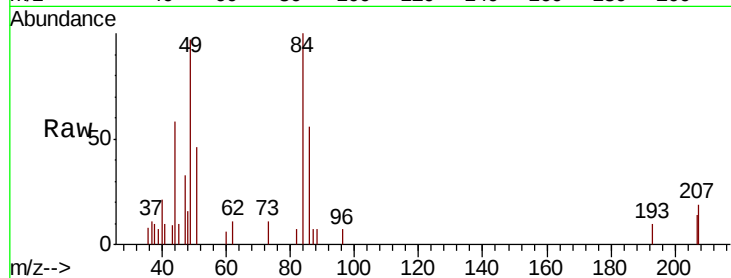




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017042.D
Acq: 30 Jun 2020 14:08

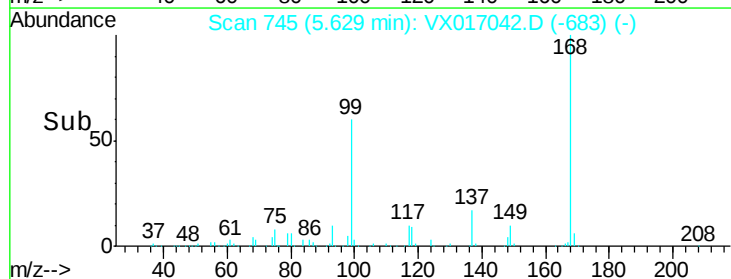
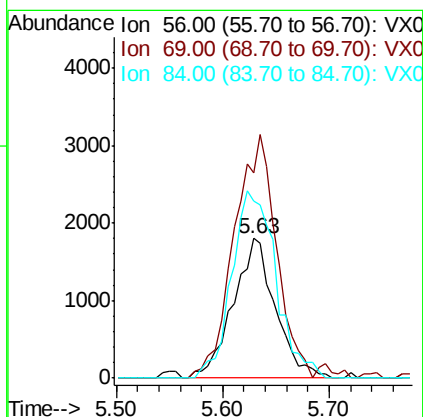
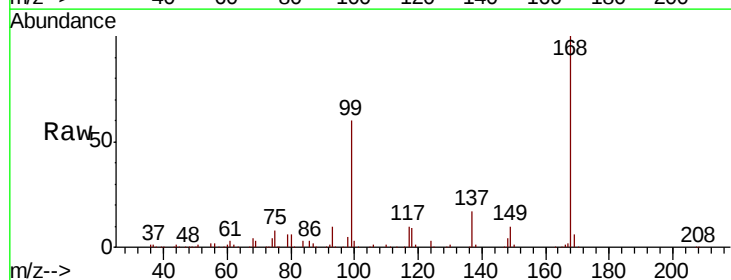
Instrument :
MSVOA_X
ClientSampleId :
TB05-20200626

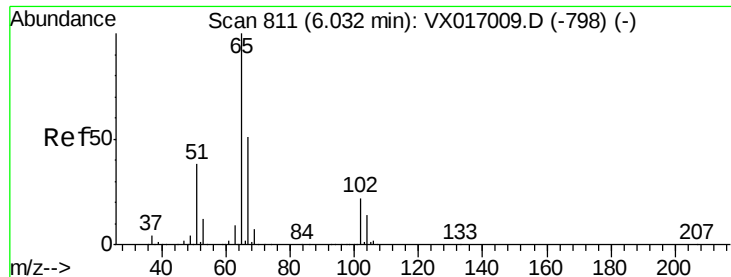
Tot Ion	Ratio	Lower	Upper
84	100		
49	96.9	94.7	142.1
51	46.3	28.6	42.8#
86	55.9	50.5	75.7



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017042.D
Acq: 30 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	147.6	25.0	37.4#
84	127.4	69.1	103.7#

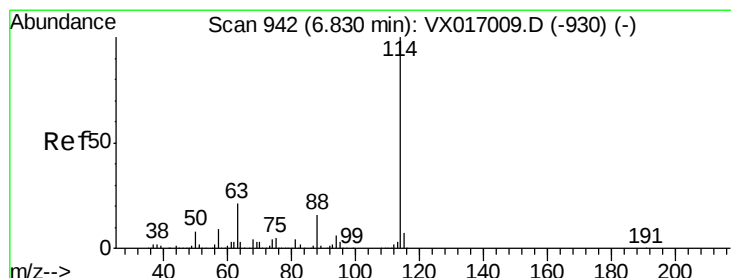
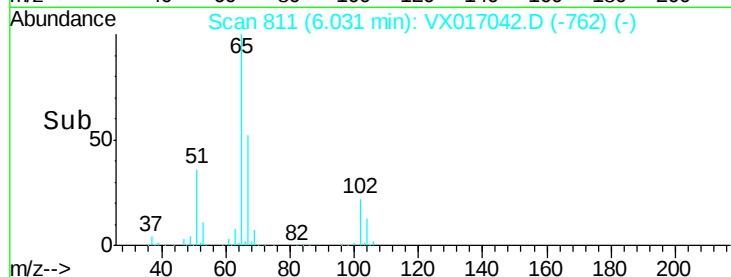
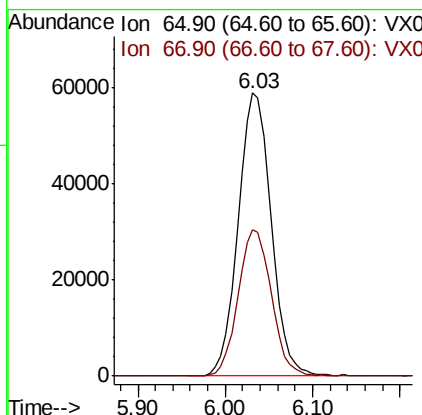
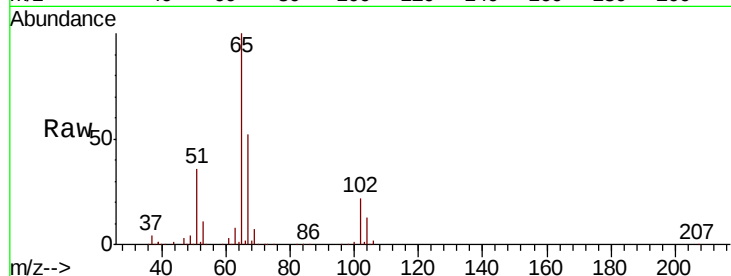




#33
 1,2-Dichloroethane-d4
 Concen: 52.678 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017042.D
 Acq: 30 Jun 2020 14:08

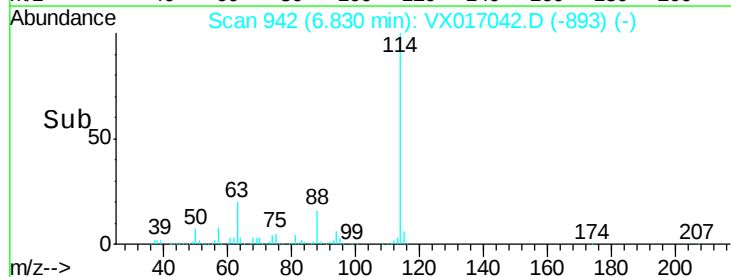
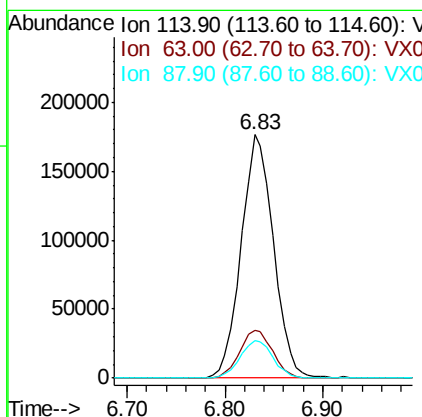
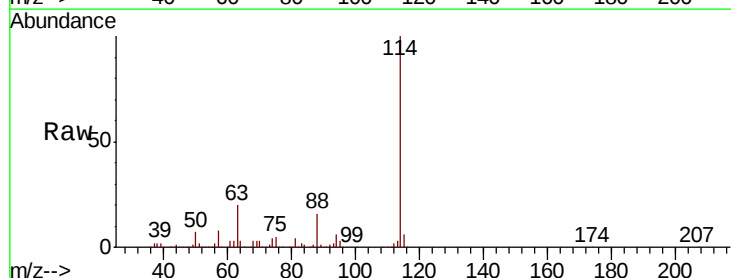
Instrument :
 MSVOA_X
 ClientSampleId :
 TB05-20200626

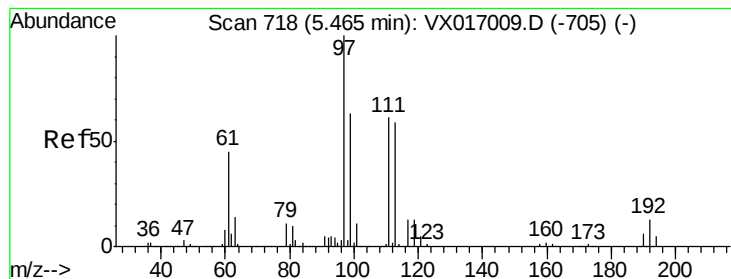
Tot Ion: 65 Resp: 154445
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017042.D
 Acq: 30 Jun 2020 14:08

Tgt Ion: 114 Resp: 404741
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.823 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

TB05-20200626

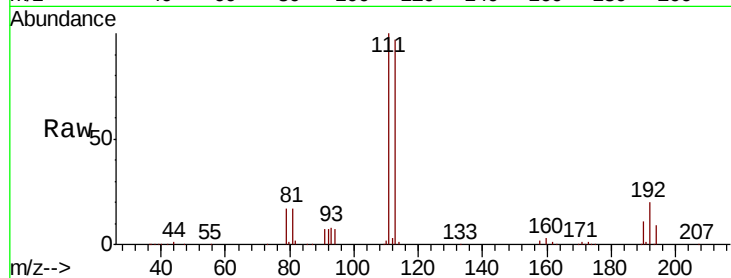
Tot Ion:113 Resp: 132680

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

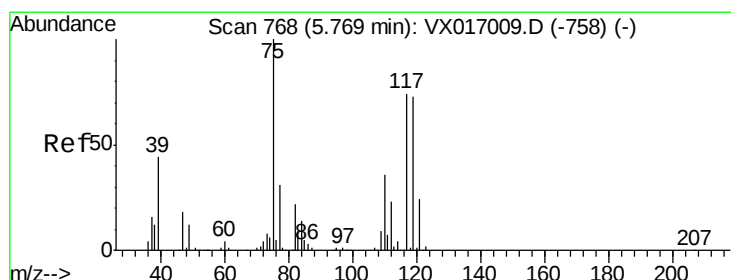
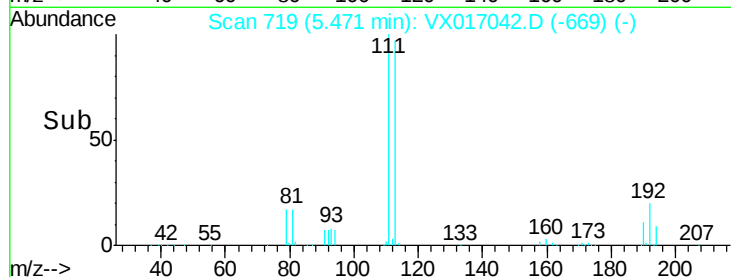
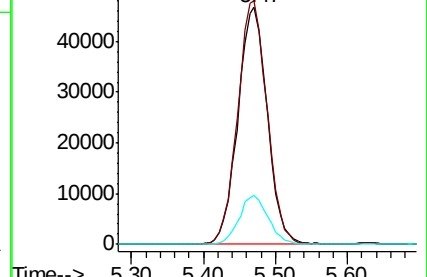
192 20.3 16.7 25.1



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: 4.577 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

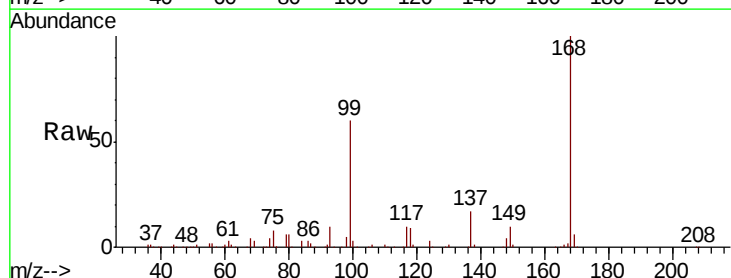
Tgt Ion: 75 Resp: 17510

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

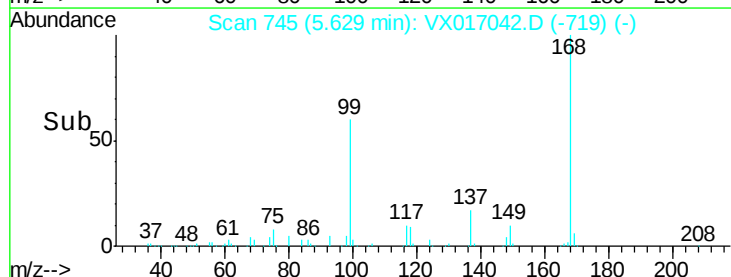
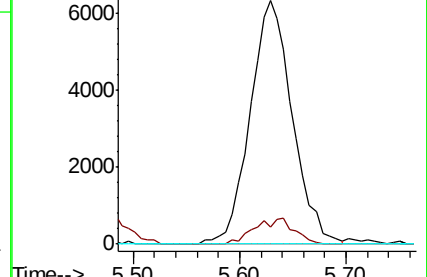
77 0.0 24.6 37.0#

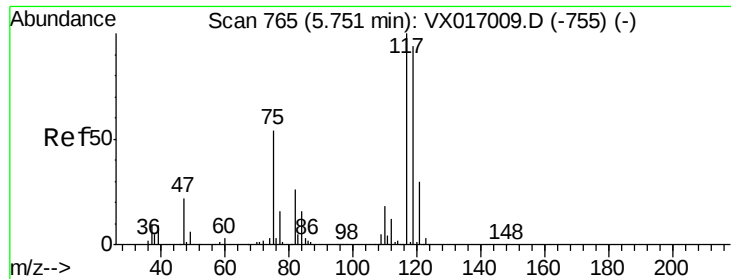


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

TB05-20200626

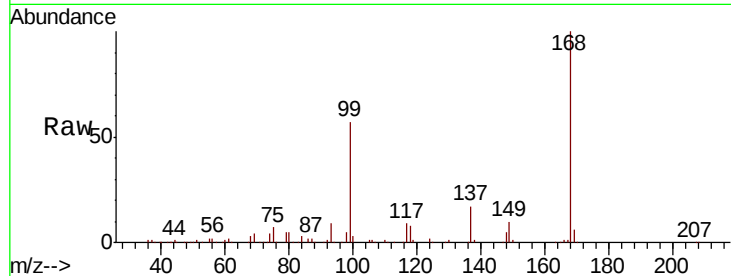
Tot Ion:117 Resp: 23306

Ion Ratio Lower Upper

117 100

119 7.0 75.4 113.0#

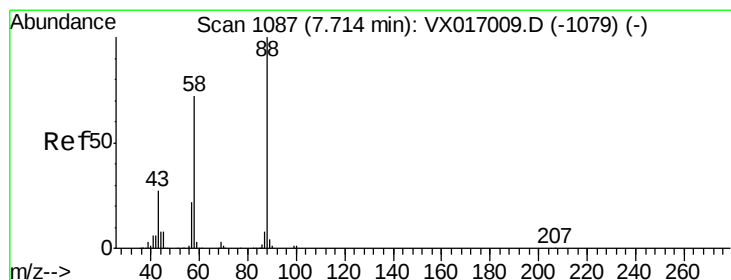
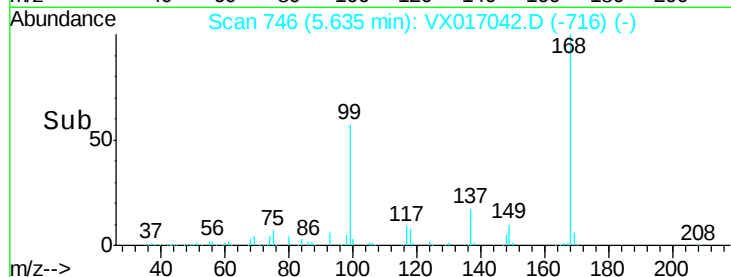
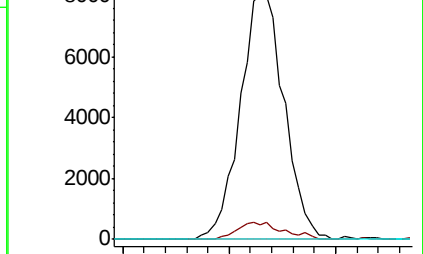
121 0.0 23.8 35.6#



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



#49

1,4-Dioxane

Concen: 0.274 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.06 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

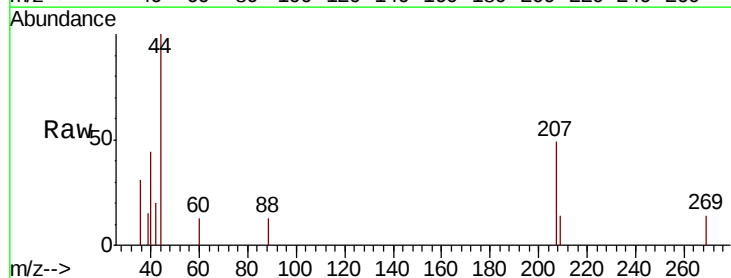
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 452.6 25.8 38.8#

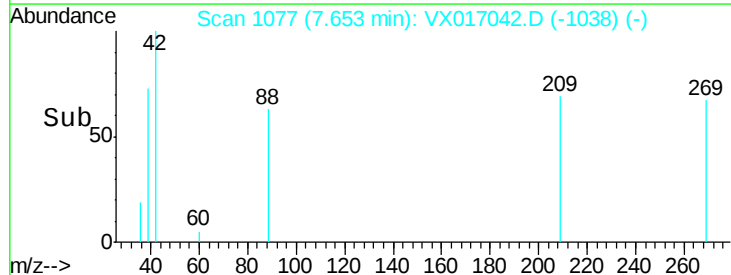
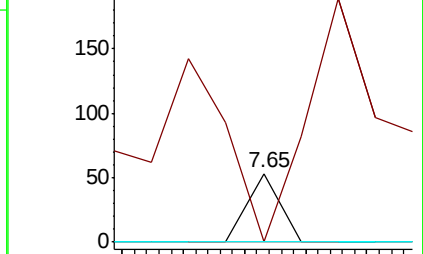
58 0.0 54.8 82.2#

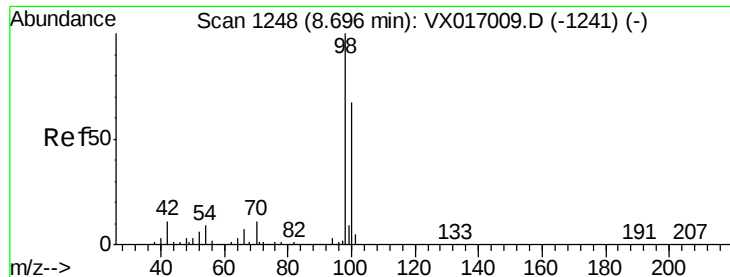


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.630 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

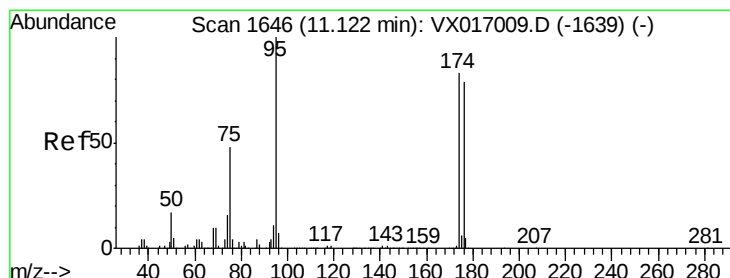
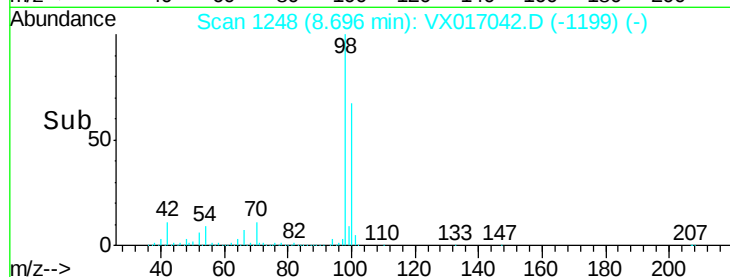
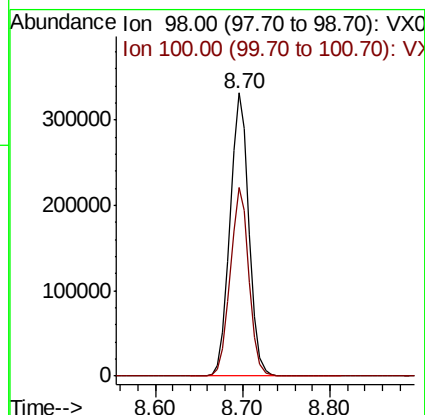
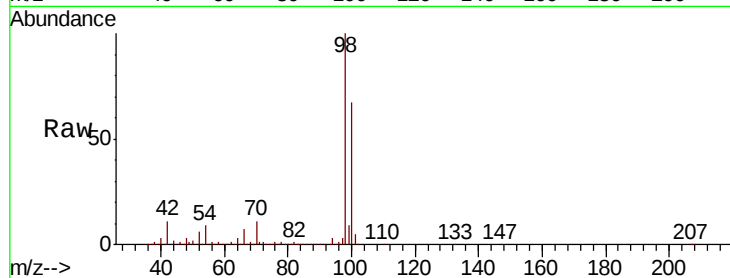
TB05-20200626

Tot Ion: 98 Resp: 498270

Ion Ratio Lower Upper

98 100

100 65.7 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.573 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

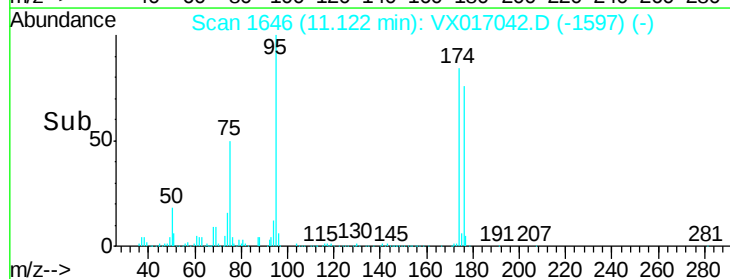
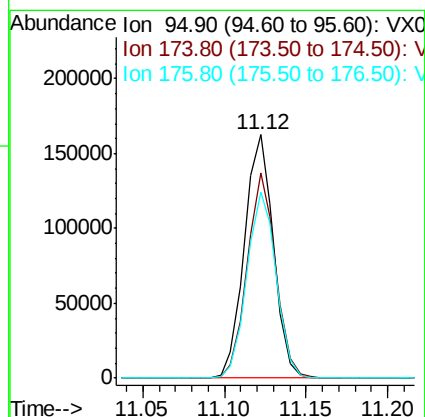
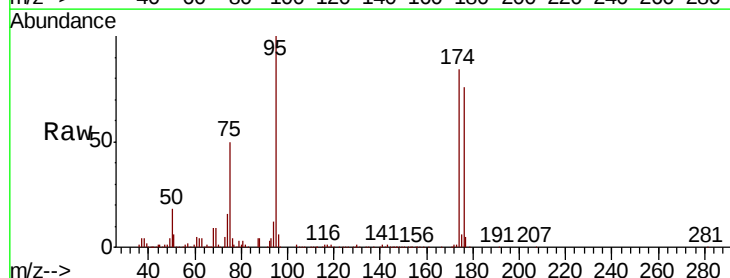
Tgt Ion: 95 Resp: 201969

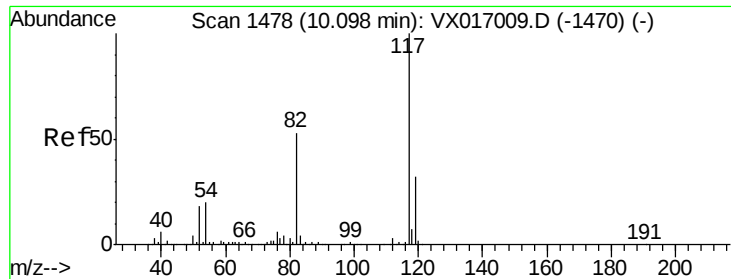
Ion Ratio Lower Upper

95 100

174 82.5 0.0 164.0

176 77.4 0.0 157.6

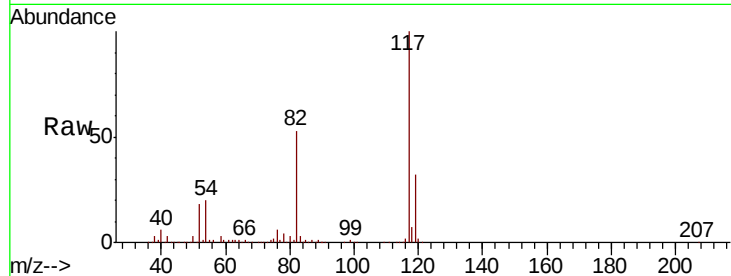




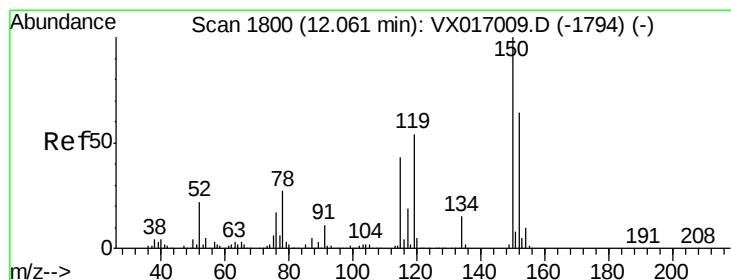
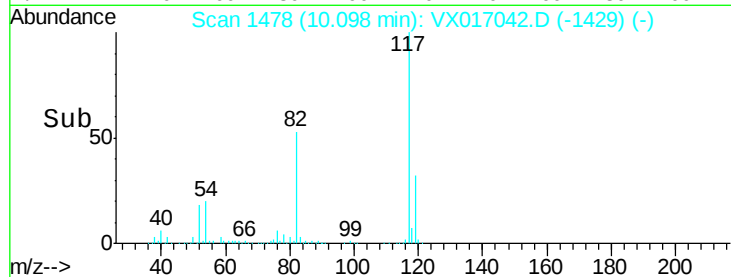
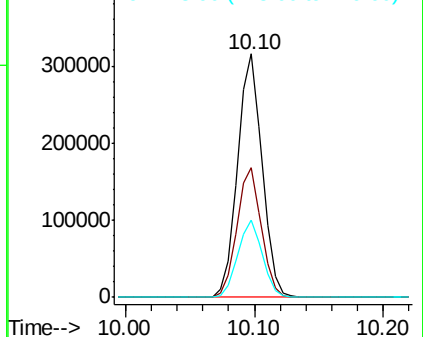
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017042.D
Acq: 30 Jun 2020 14:08

Instrument :
MSVOA_X
ClientSampleId :
TB05-20200626

Tot Ion:117 Resp: 416760
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 31.5 25.4 38.2

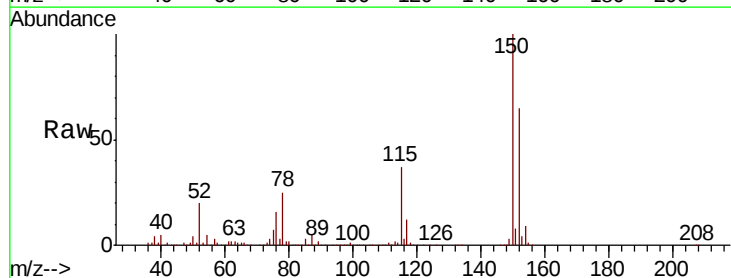


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

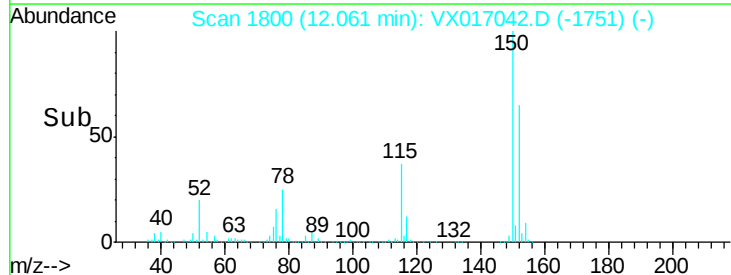
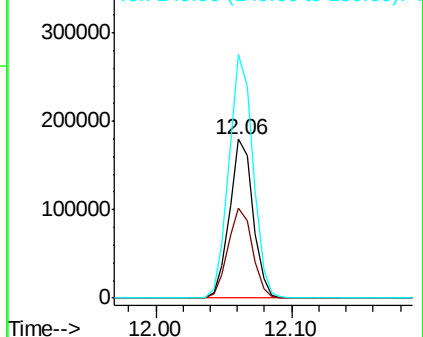


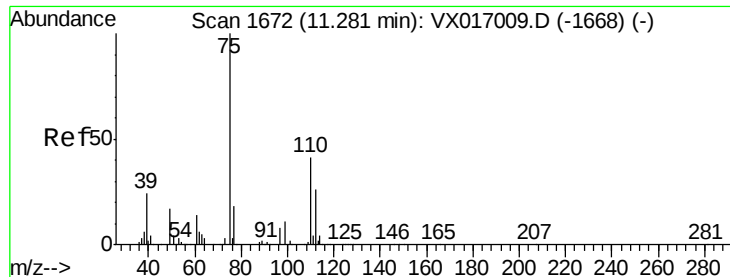
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017042.D
Acq: 30 Jun 2020 14:08

Tgt Ion:152 Resp: 216286
Ion Ratio Lower Upper
152 100
115 58.7 40.9 122.7
150 157.0 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: 23.442 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

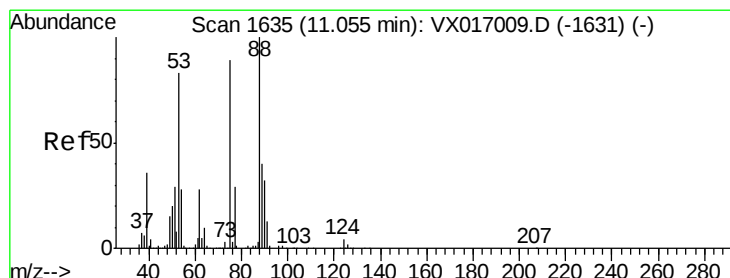
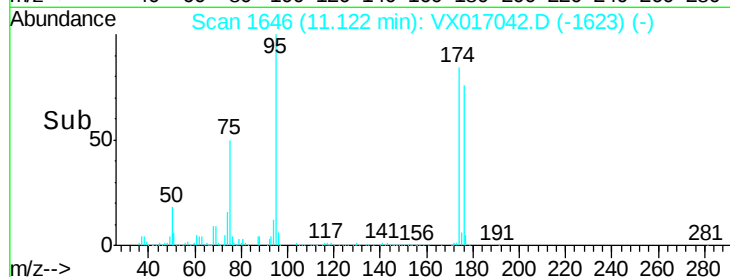
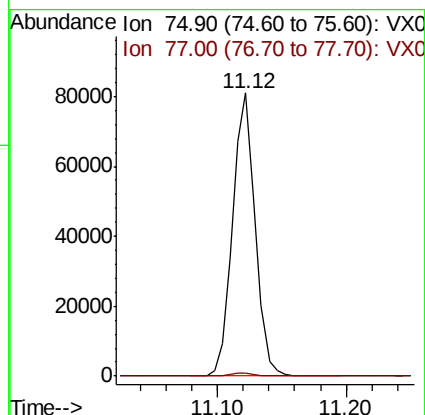
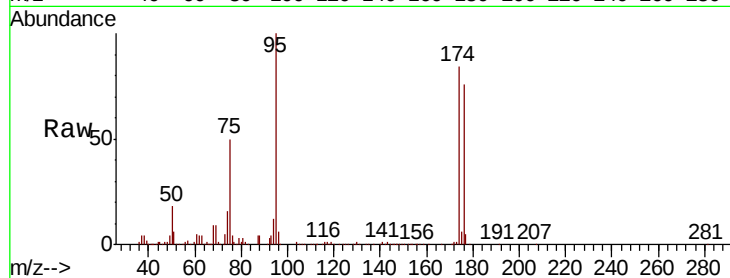
TB05-20200626

Tot Ion: 75 Resp: 99703

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.707 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

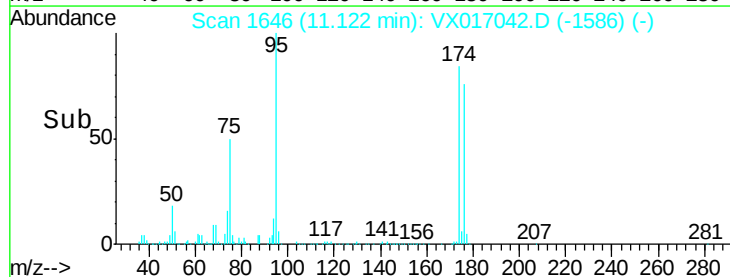
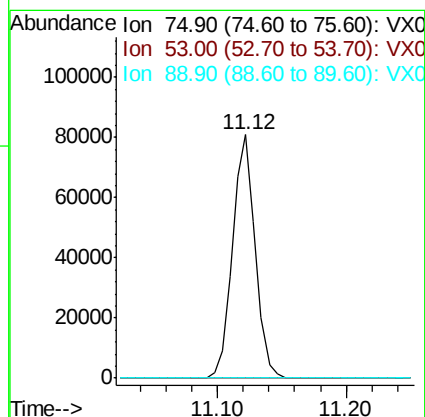
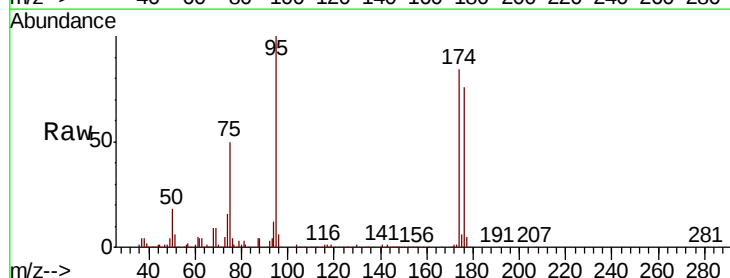
Tgt Ion: 75 Resp: 99703

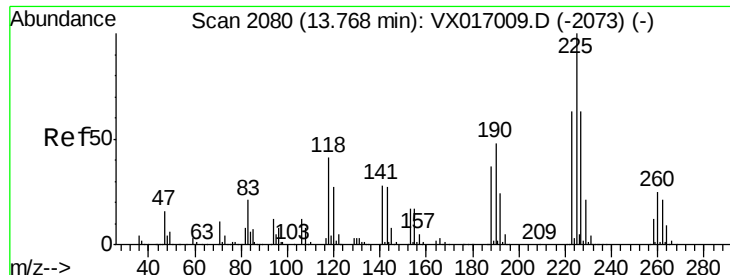
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.869 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017042.D

Acq: 30 Jun 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

TB05-20200626

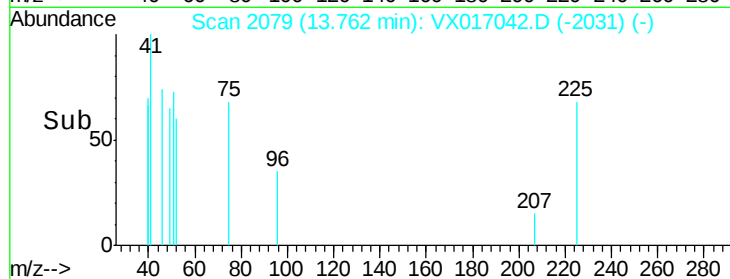
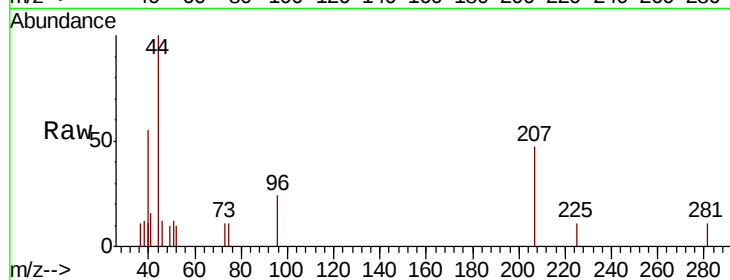
Tot Ion: 225 Resp: 43

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

120 Ion 222.70 (222.40 to 223.40): V

100 Ion 226.70 (226.40 to 227.40): V

