

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017021.D
 Acq On : 29 Jun 2020 20:49
 Operator : JC/SP
 Sample : L3112-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB03-20200624

Quant Time: Jun 30 05:32:42 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	250702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	432565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231602	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	163651	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
35) Dibromofluoromethane	5.47	113	138303	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	8.70	98	534007	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
62) 4-Bromofluorobenzene	11.12	95	218285	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	

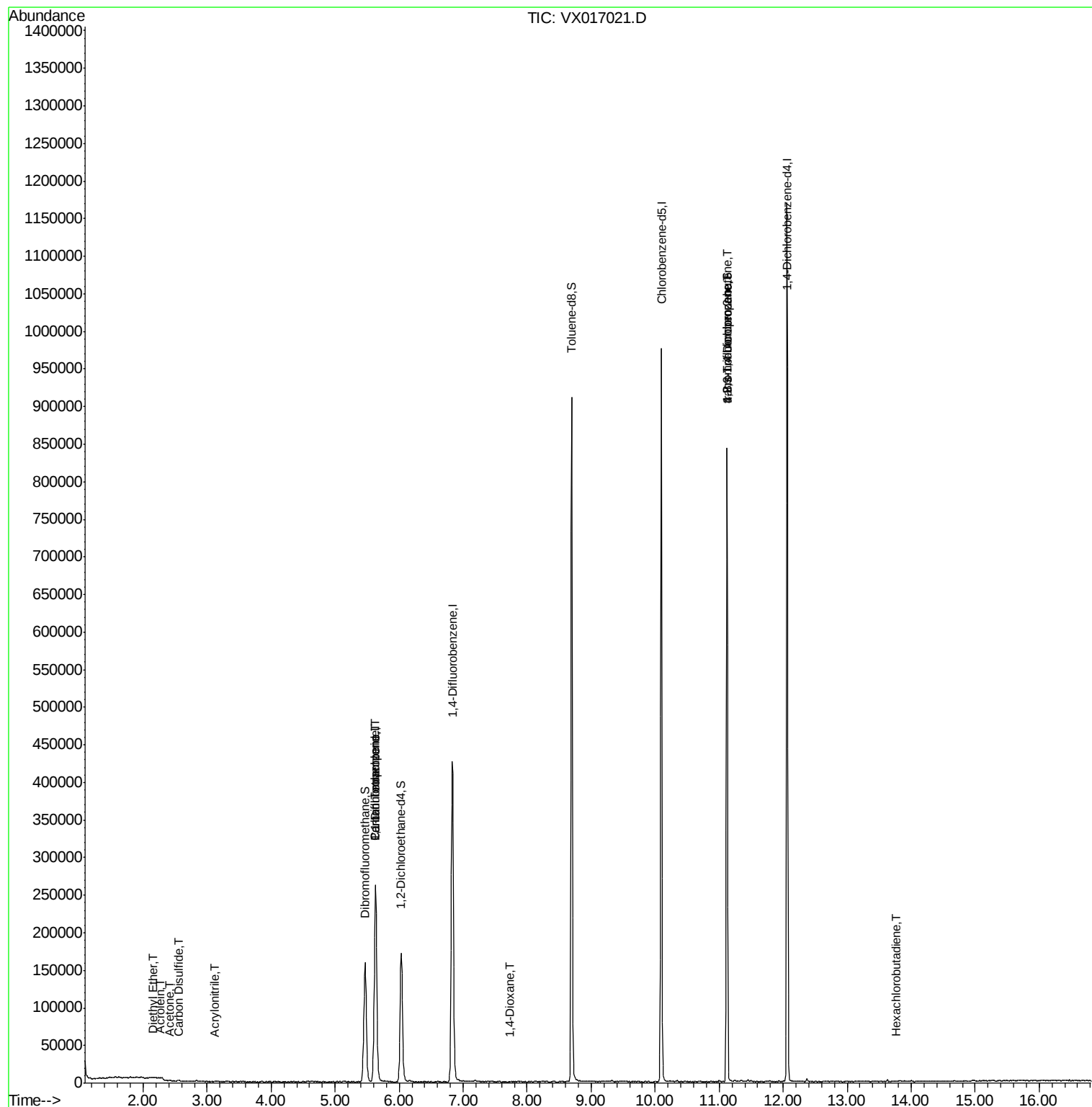
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.14	74	21	0.381	ug/l #	1
13) Acrolein	2.27	56	542	1.538	ug/l #	81
15) Acrylonitrile	3.11	53	359	0.253	ug/l #	73
16) Acetone	2.42	43	747	0.646	ug/l #	82
17) Carbon Disulfide	2.56	76	1566	0.249	ug/l #	91
20) Methylene Chloride	2.84	84	677	Below Cal	#	80
36) 1,1-Dichloropropene	5.64	75	19215	4.700	ug/l #	50
38) Carbon Tetrachloride	5.64	117	24787	5.505	ug/l #	17
44) Trichloroethene	7.20	130	732	Below Cal		72
49) 1,4-Dioxane	7.73	88	20	0.270	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	106648	23.417	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	106648	60.641	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	660	Below Cal		94
94) Hexachlorobutadiene	13.77	225	122	0.910	ug/l #	44

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

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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: VX017021.D

Acq: 29 Jun 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

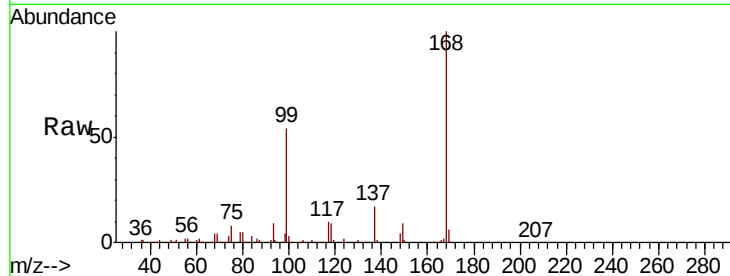
TB03-20200624

Tot Ion:168 Resp: 250702

Ion Ratio Lower Upper

168 100

99 54.1 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

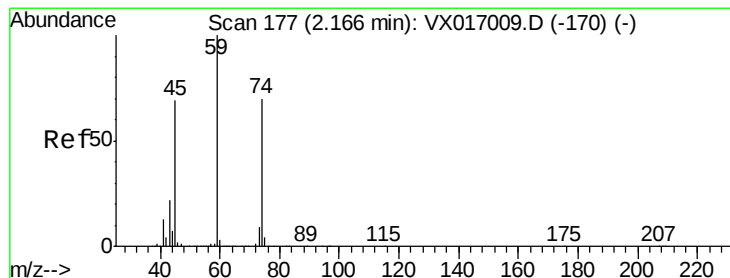
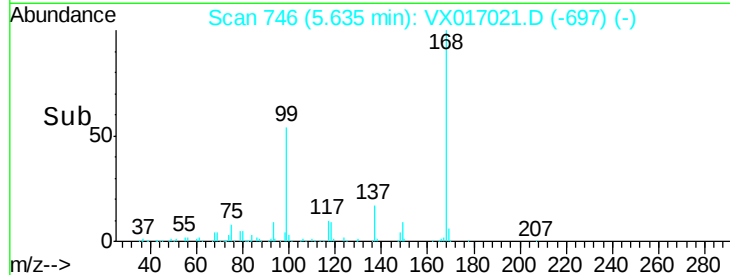
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.381 ug/l

RT: 2.14 min Scan# 173

Delta R.T. -0.02 min

Lab File: VX017021.D

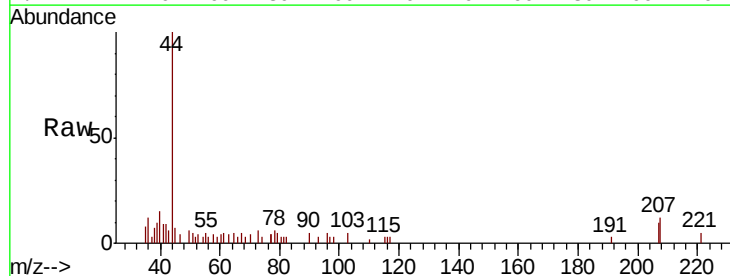
Acq: 29 Jun 2020 20:49

Tgt Ion: 74 Resp: 21

Ion Ratio Lower Upper

74 100

45 1123.8 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

250

200

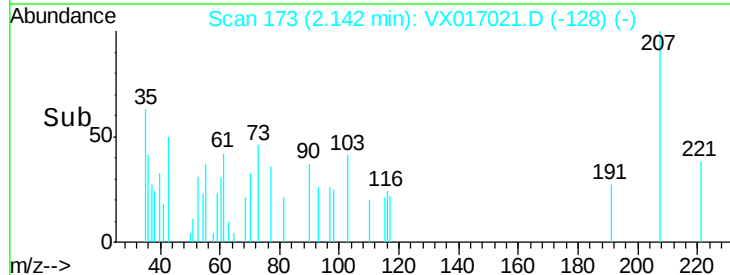
150

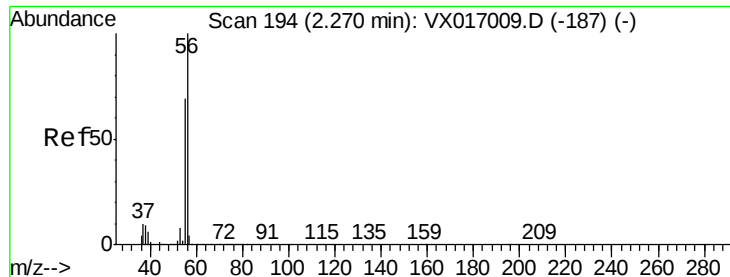
100

50

0

Time-->





#13

Acrolein

Concen: 1.538 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

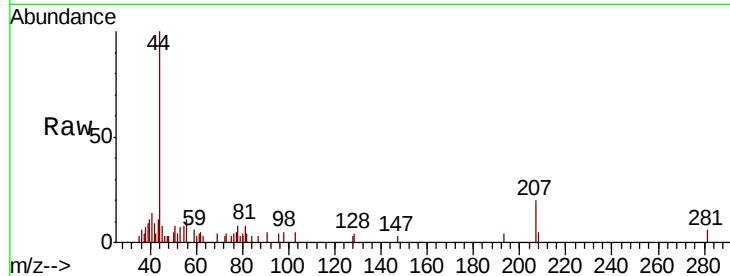
TB03-20200624

Tot Ion: 56 Resp: 542

Ion Ratio Lower Upper

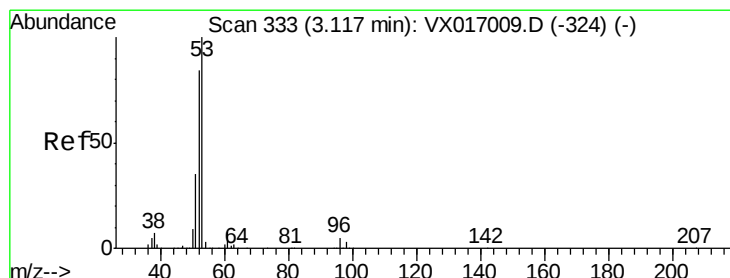
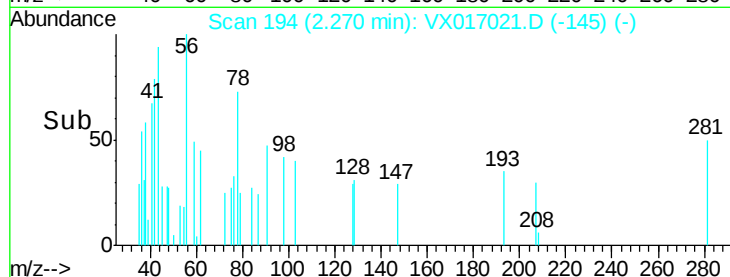
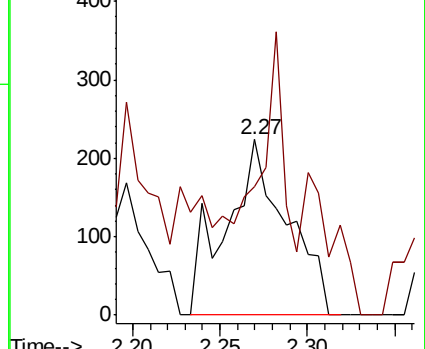
56 100

55 54.1 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.253 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

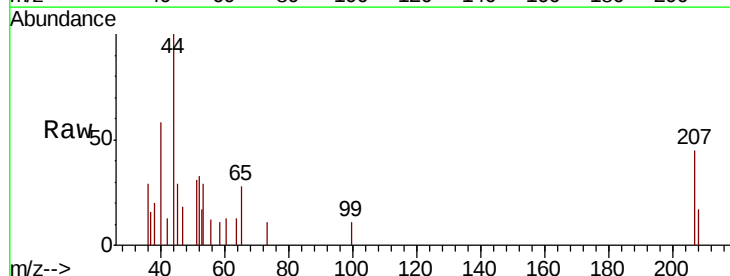
Tgt Ion: 53 Resp: 359

Ion Ratio Lower Upper

53 100

52 68.5 65.6 98.4

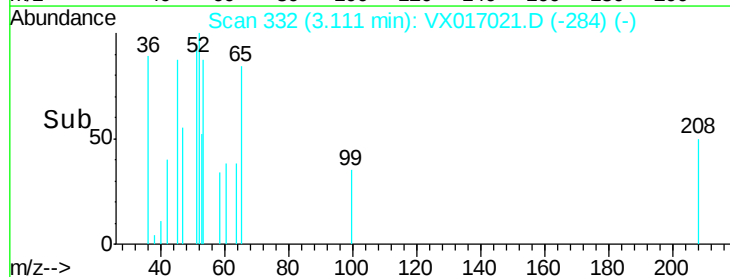
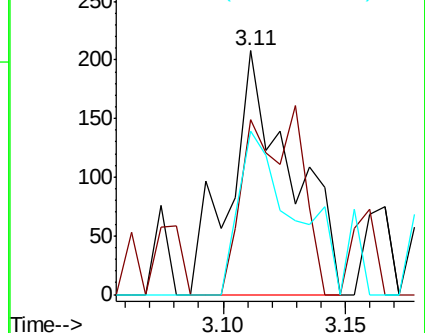
51 68.0 28.3 42.5#

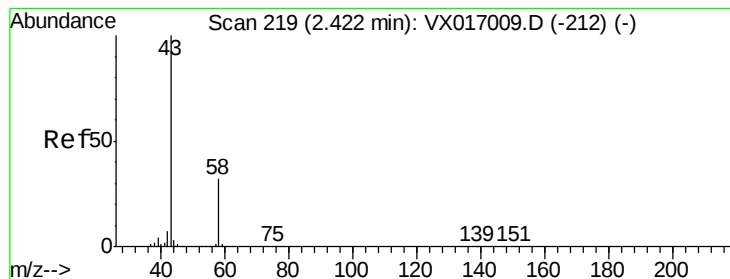


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.646 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

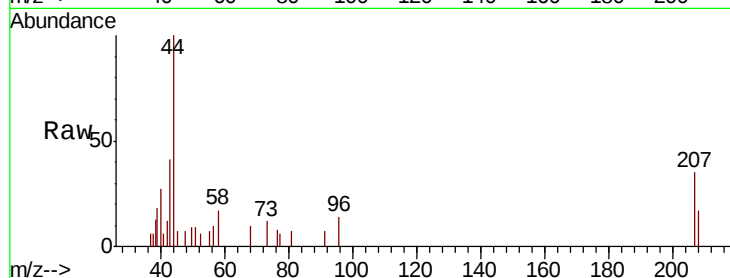
TB03-20200624

Tot Ion: 43 Resp: 747

Ion Ratio Lower Upper

43 100

58 42.1 25.7 38.5#

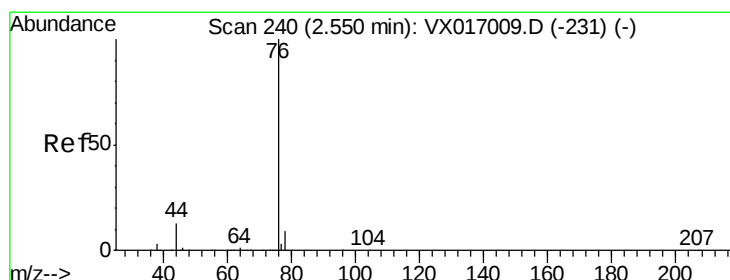
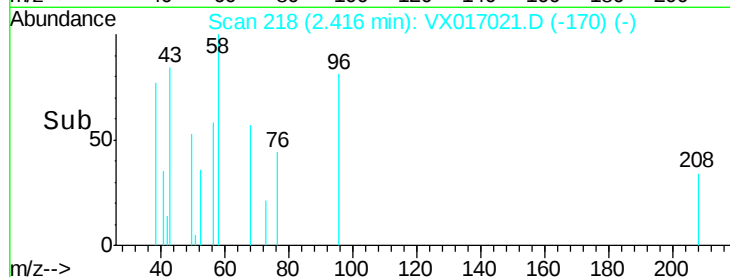


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

Time-->



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017021.D

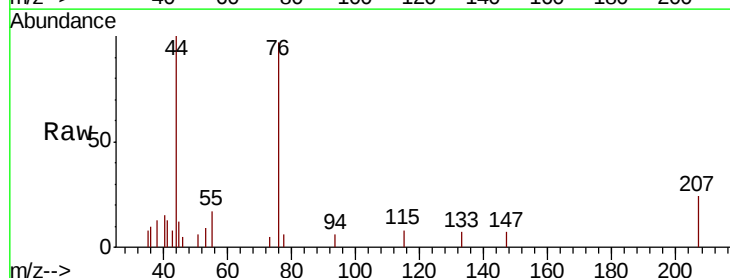
Acq: 29 Jun 2020 20:49

Tgt Ion: 76 Resp: 1566

Ion Ratio Lower Upper

76 100

78 5.9 7.2 10.8#

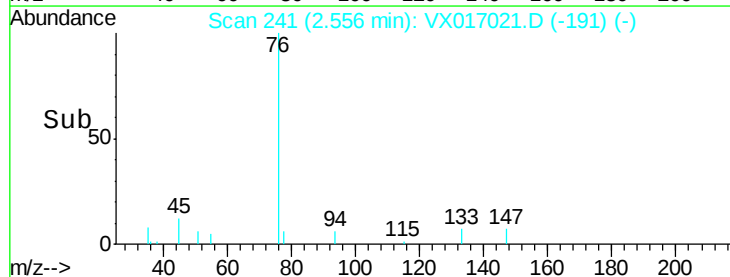


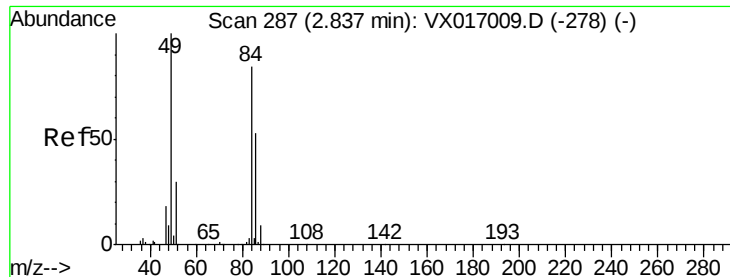
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

Time-->

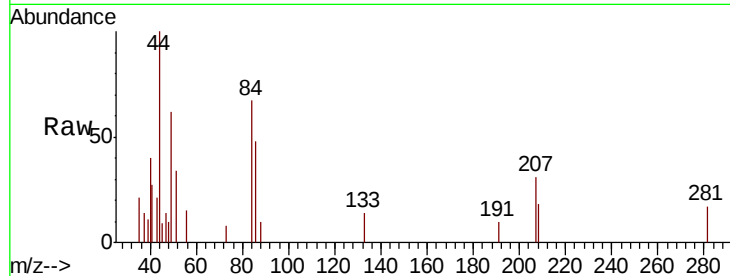




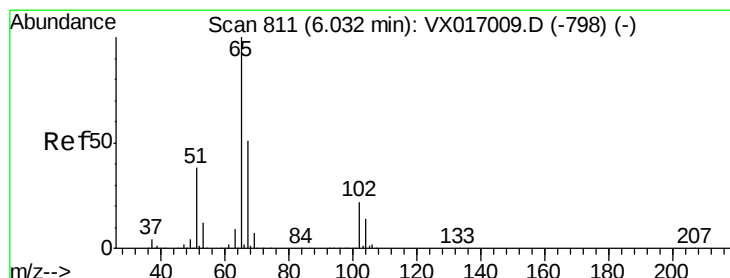
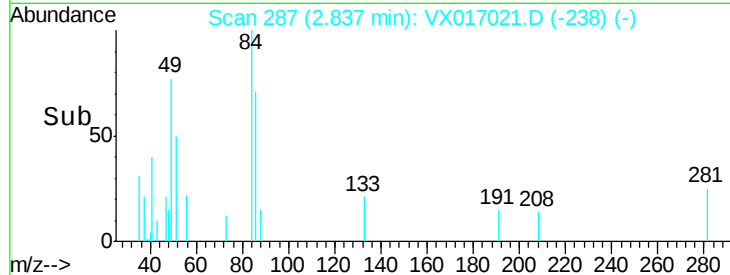
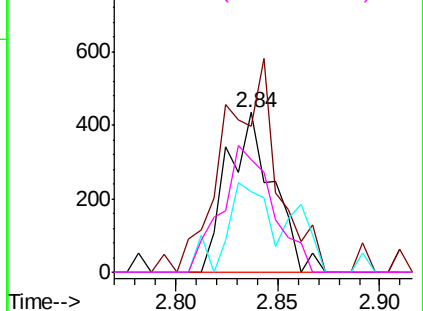
#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017021.D
Acq: 29 Jun 2020 20:49

Instrument :
MSVOA_X
ClientSampleId :
TB03-20200624

Tot Ion: 84 Resp: 677
Ion Ratio Lower Upper
84 100
49 91.7 94.7 142.1#
51 50.5 28.6 42.8#
86 71.0 50.5 75.7

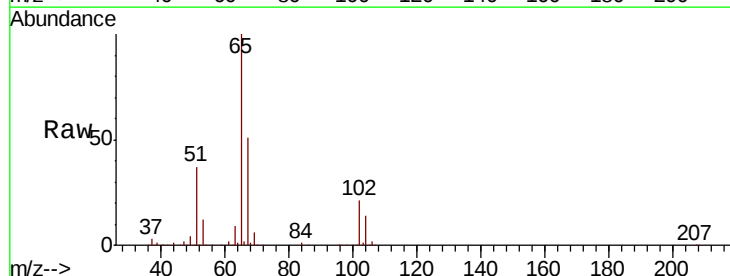


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

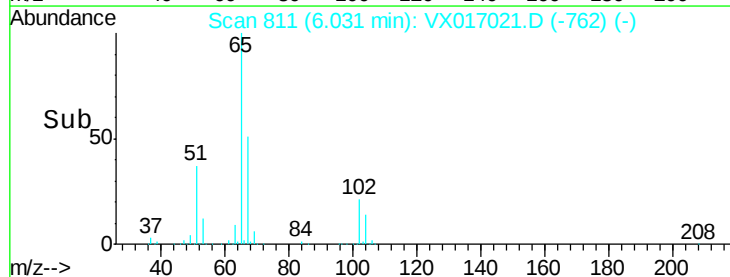
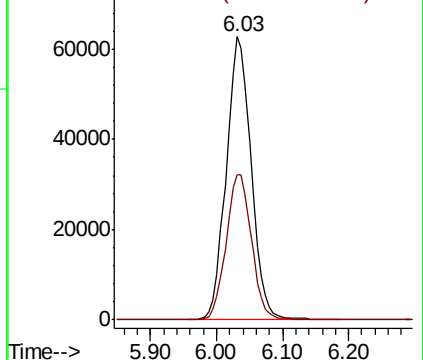


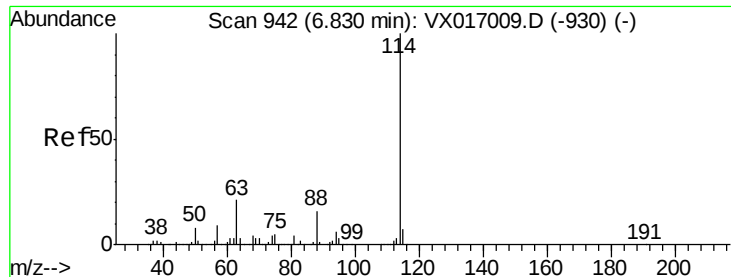
#33
1,2-Dichloroethane-d4
Concen: 52.950 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017021.D
Acq: 29 Jun 2020 20:49

Tgt Ion: 65 Resp: 163651
Ion Ratio Lower Upper
65 100
67 52.4 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

TB03-20200624

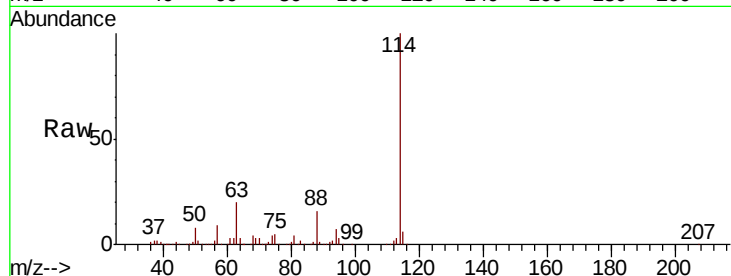
Tot Ion:114 Resp: 432565

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

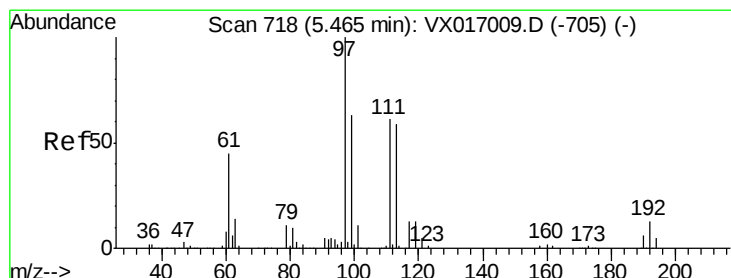
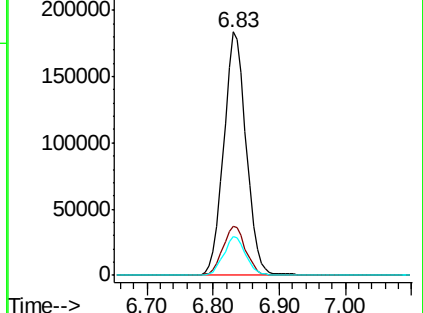
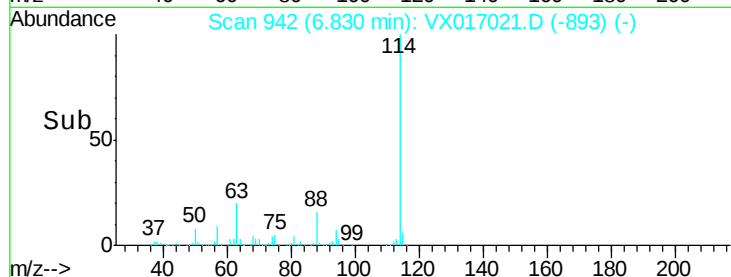
88 16.0 0.0 32.4



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: 50.544 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

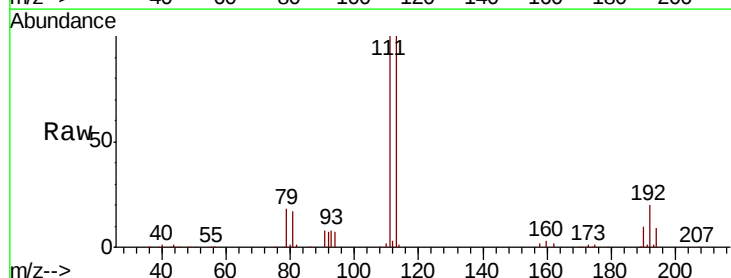
Tgt Ion:113 Resp: 138303

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

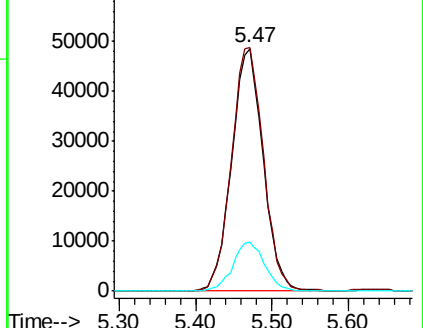
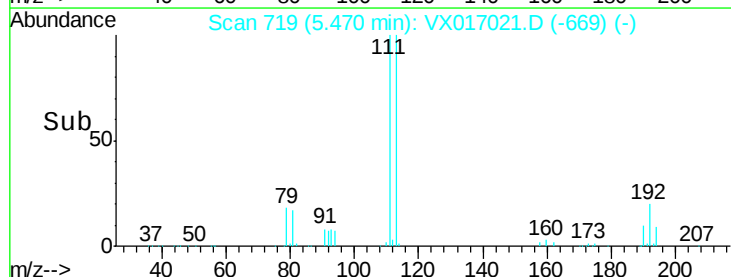
192 20.4 16.7 25.1

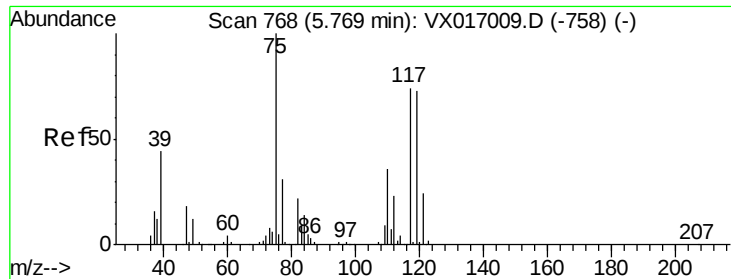


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

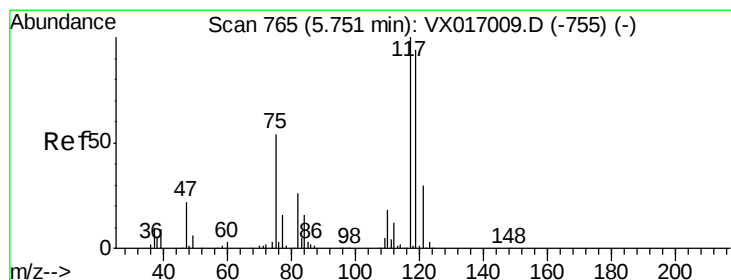
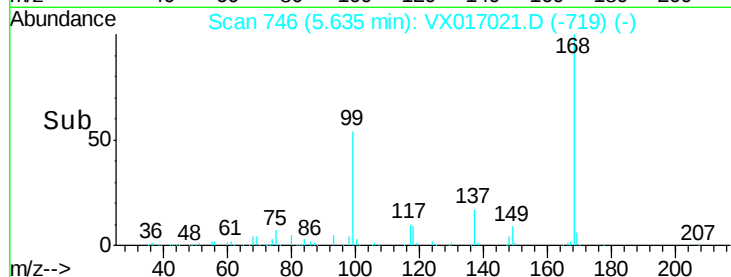
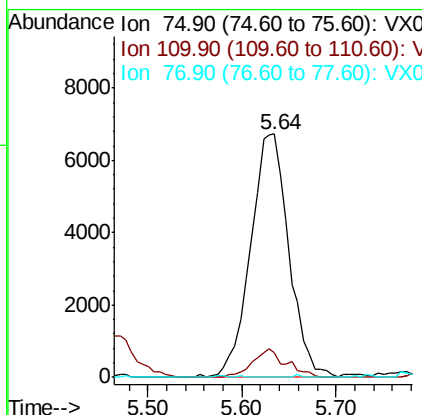
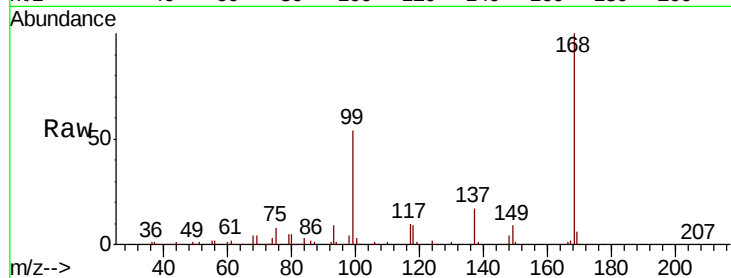




#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017021.D
 Acq: 29 Jun 2020 20:49

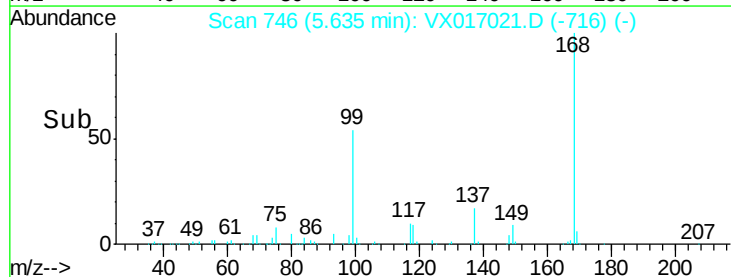
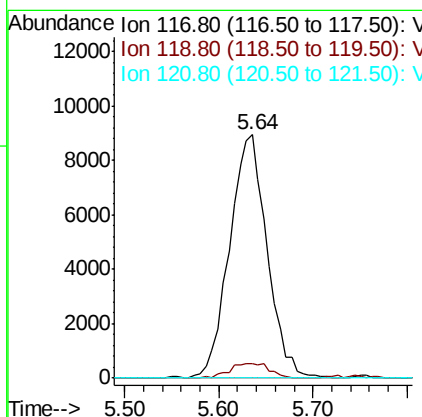
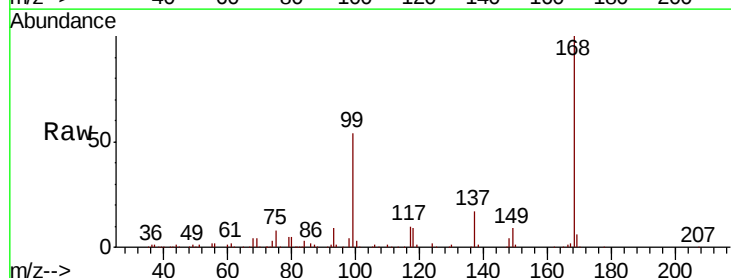
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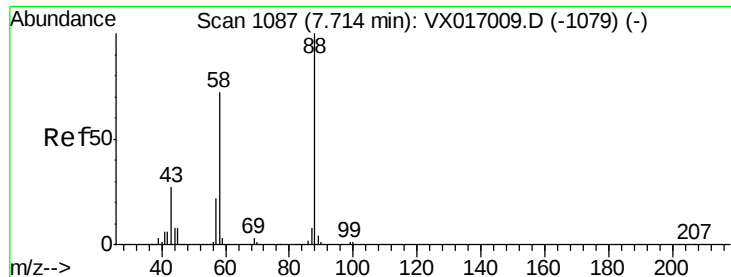
Tot Ion: 75 Resp: 19215
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.505 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017021.D
 Acq: 29 Jun 2020 20:49

Tgt Ion: 117 Resp: 24787
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.4 113.0#
 121 0.0 23.8 35.6#

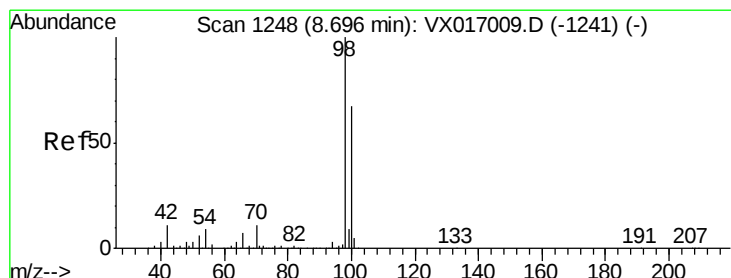
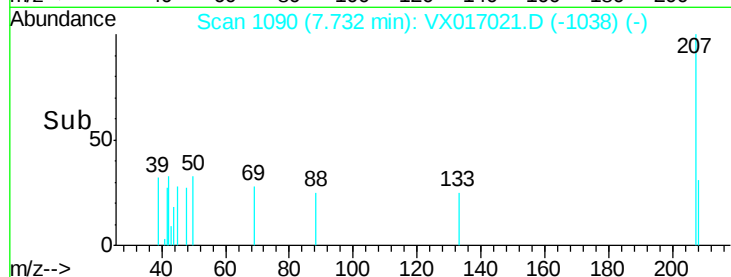
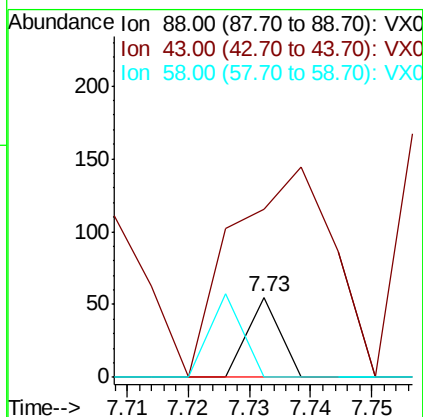
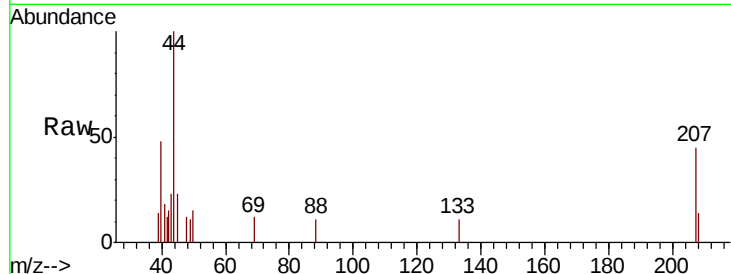




#49
1,4-Dioxane
Concen: 0.270 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX017021.D
Acq: 29 Jun 2020 20:49

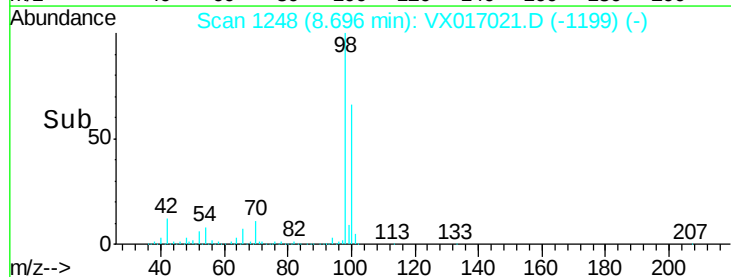
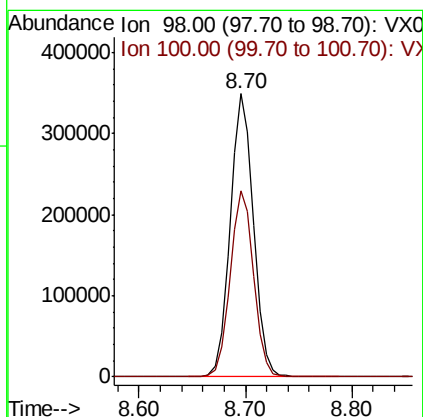
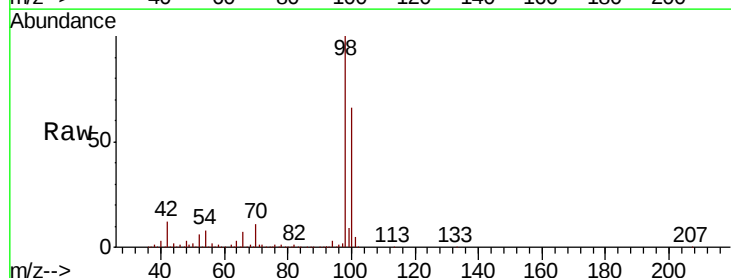
Instrument :
MSVOA_X
ClientSampleId :
TB03-20200624

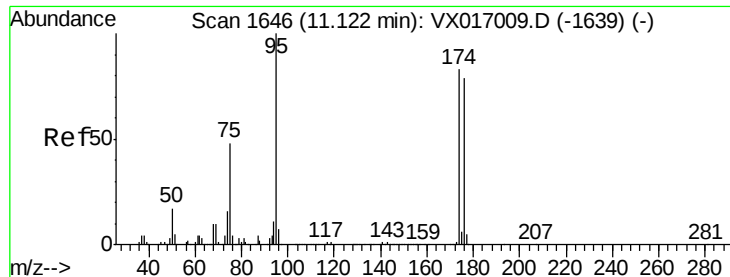
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 820.0 25.8 38.8#
58 105.0 54.8 82.2#



#50
Toluene-d8
Concen: 52.777 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017021.D
Acq: 29 Jun 2020 20:49

Tgt Ion: 98 Resp: 534007
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 55.188 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

TB03-20200624

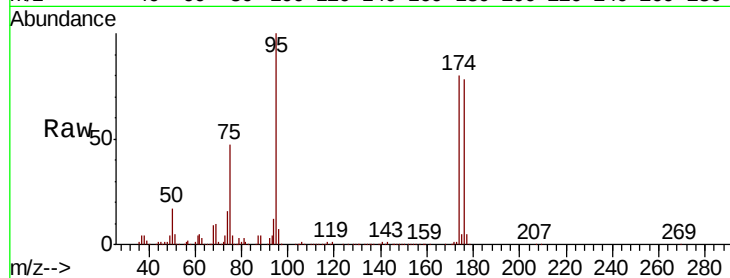
Tot Ion: 95 Resp: 218285

Ion Ratio Lower Upper

95 100

174 80.8 0.0 164.0

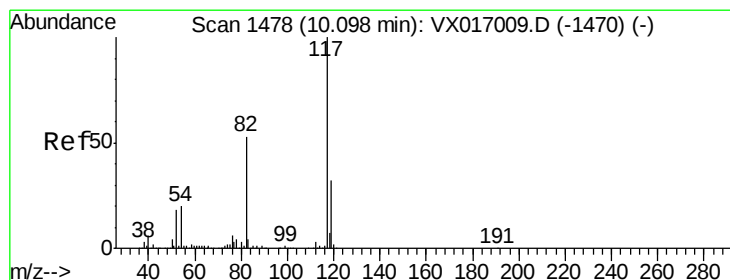
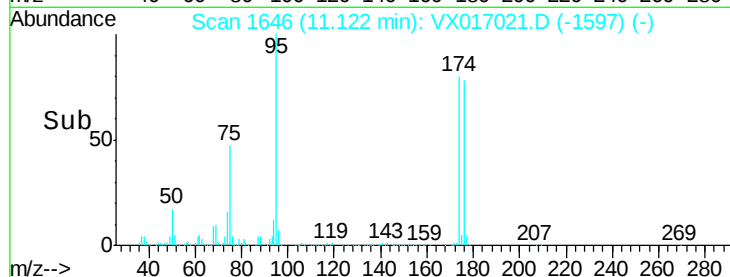
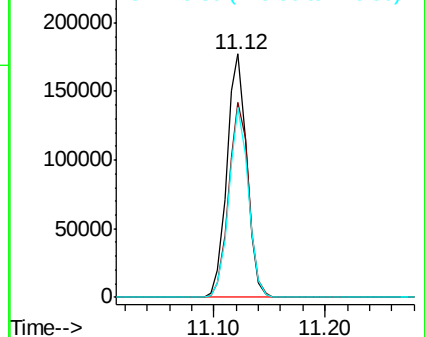
176 76.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

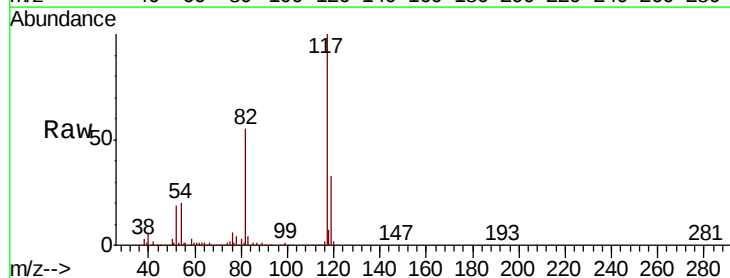
Tgt Ion: 117 Resp: 438511

Ion Ratio Lower Upper

117 100

82 54.7 42.6 63.8

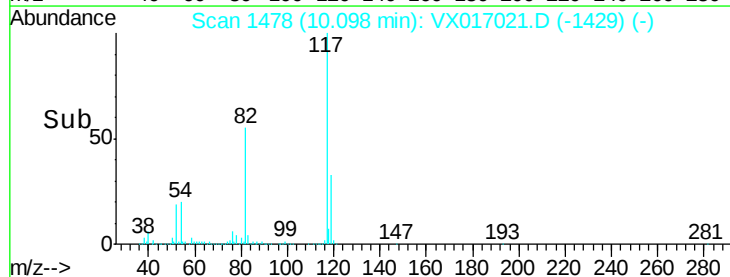
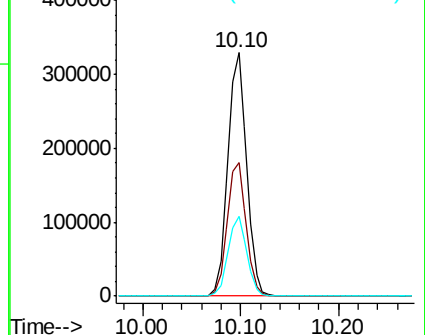
119 33.0 25.4 38.2

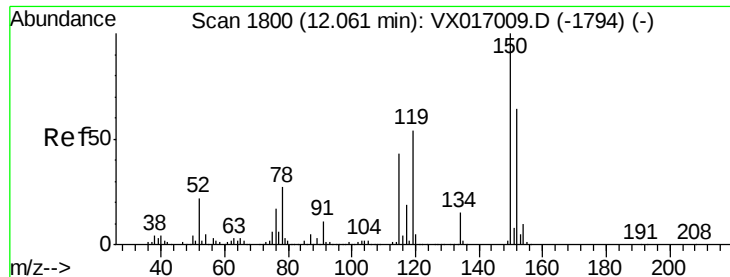


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

TB03-20200624

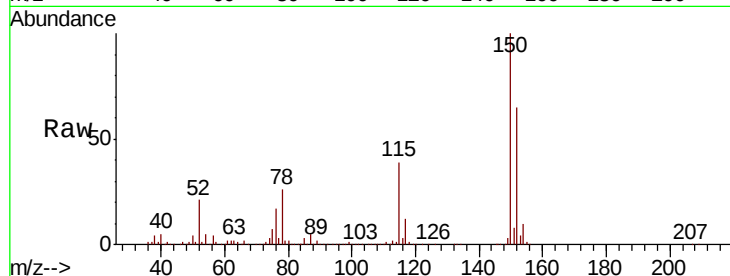
Tot Ion:152 Resp: 231602

Ion Ratio Lower Upper

152 100

115 57.9 40.9 122.7

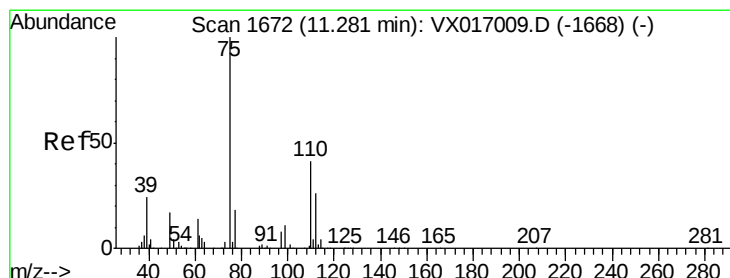
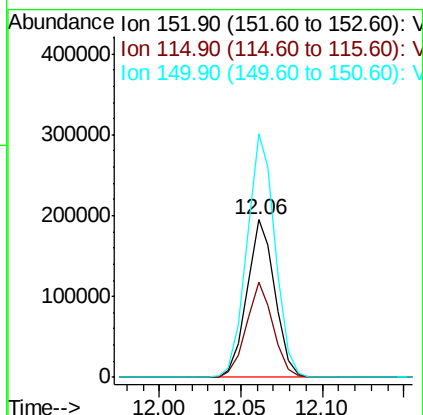
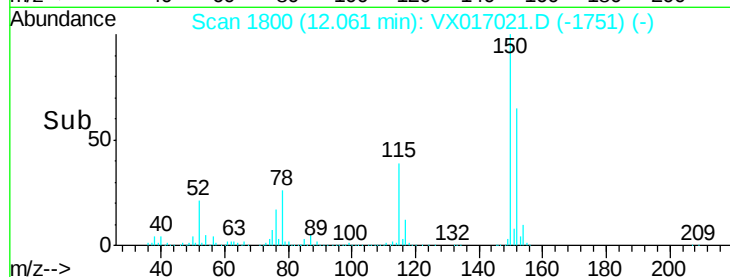
150 156.7 0.0 351.6



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: 23.417 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017021.D

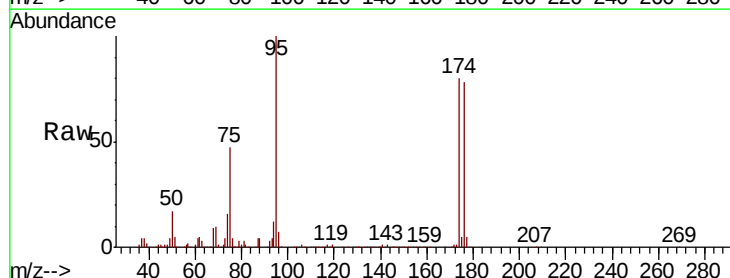
Acq: 29 Jun 2020 20:49

Tgt Ion: 75 Resp: 106648

Ion Ratio Lower Upper

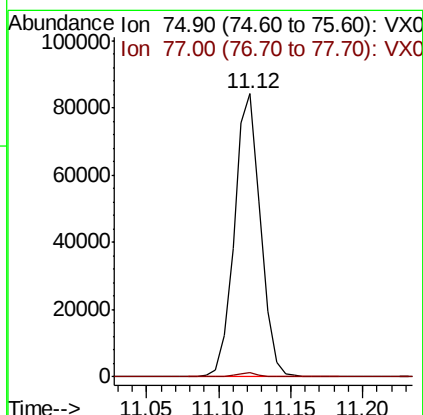
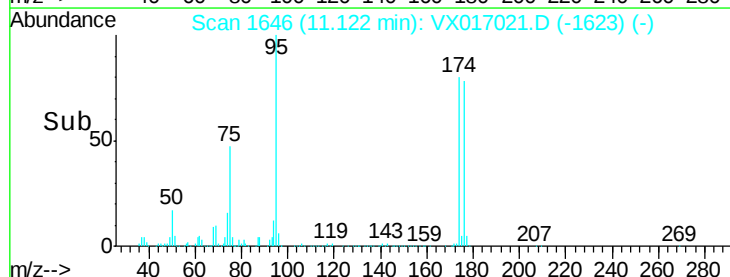
75 100

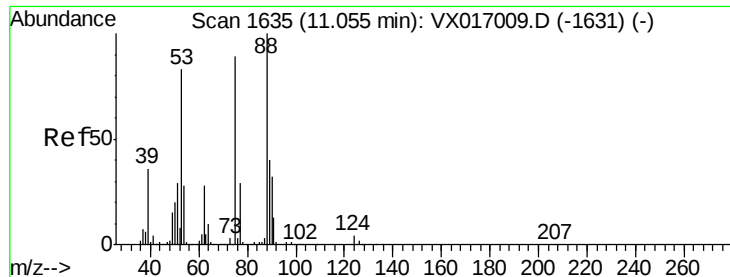
77 1.5 20.2 60.6#



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: 60.641 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

TB03-20200624

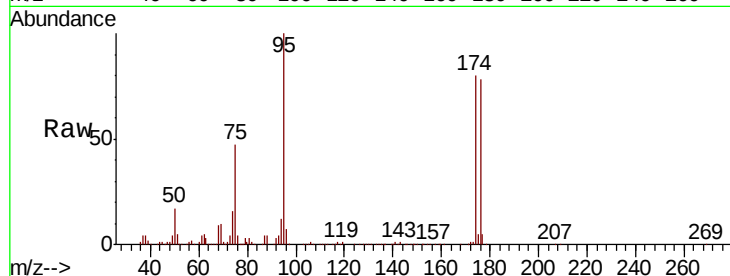
Tot Ion: 75 Resp: 106648

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

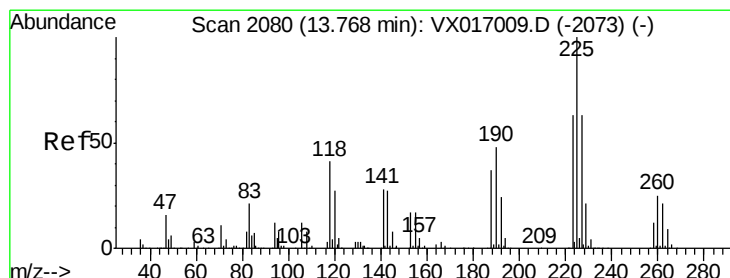
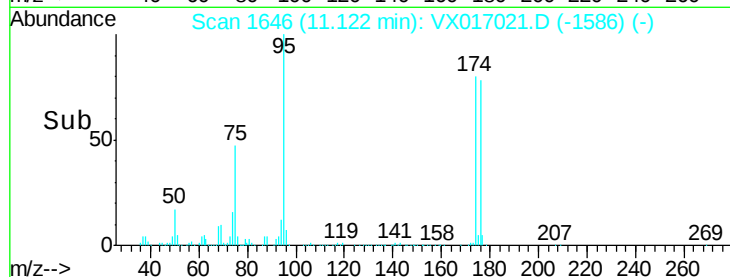
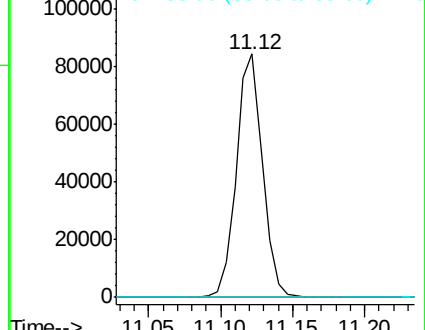
89 0.0 37.0 55.4#



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: 0.910 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX017021.D

Acq: 29 Jun 2020 20:49

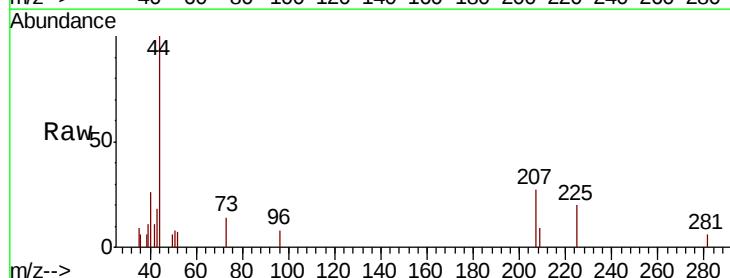
Tgt Ion: 225 Resp: 122

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 89.3 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

