

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016890.D
 Acq On : 19 Jun 2020 19:16
 Operator : JC/SP
 Sample : L3020-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-03_061720

Quant Time: Jun 22 01:42:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	242777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	421705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	396414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222010	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	138532	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.46	113	118080	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	
50) Toluene-d8	8.70	98	506561	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	11.12	95	243905	58.98	ug/l	0.00
Spiked Amount			Recovery	=	117.96%	

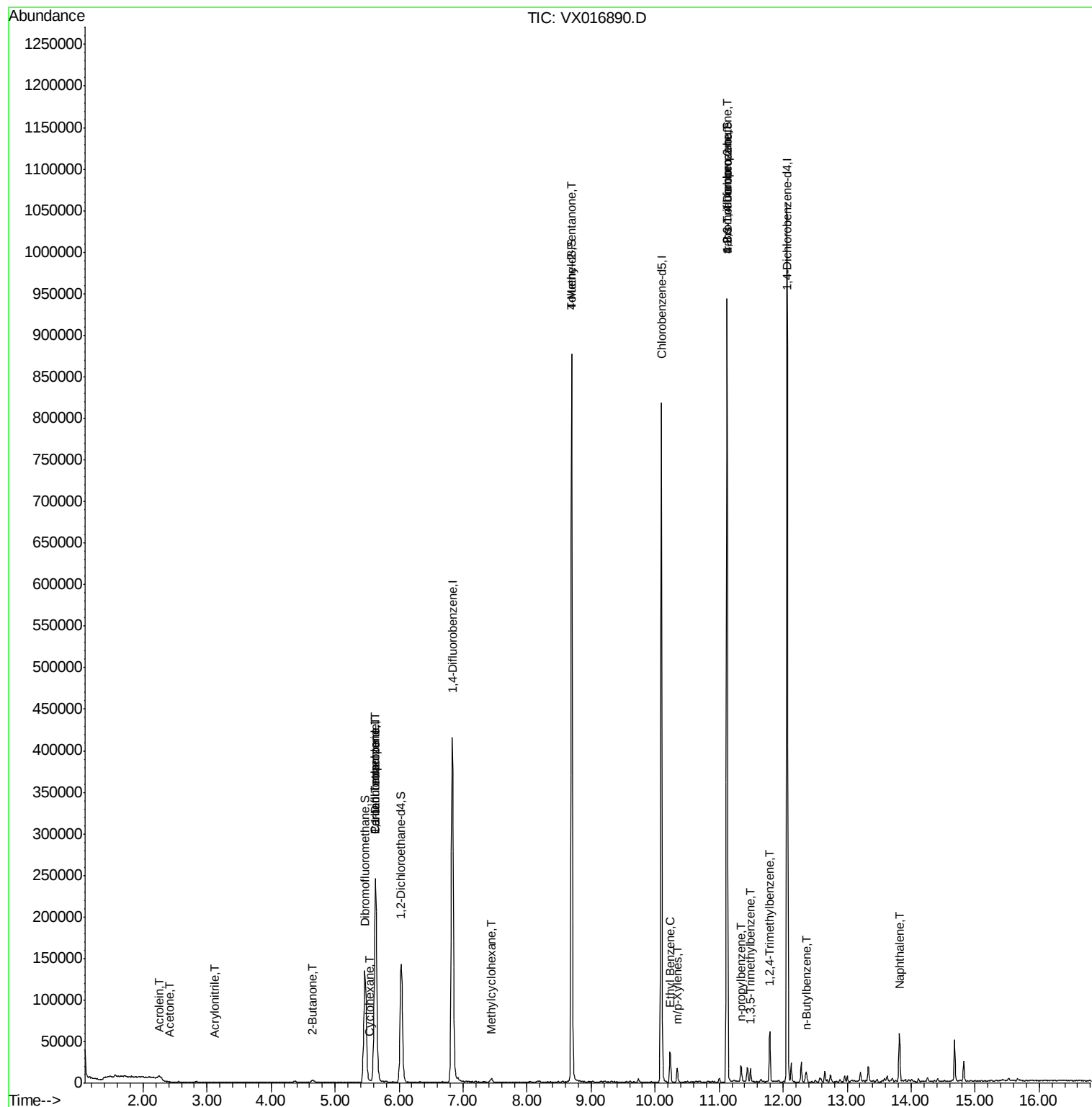
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.26	56	172	0.575	ug/l #	15
15) Acrylonitrile	3.12	53	249	0.220	ug/l #	78
16) Acetone	2.40	43	622	0.587	ug/l #	41
25) 2-Butanone	4.65	43	292	0.200	ug/l #	45
31) Cyclohexane	5.55	56	1246	0.345	ug/l #	66
36) 1,1-Dichloropropene	5.63	75	16327	4.193	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22362	5.118	ug/l #	18
39) Methylcyclohexane	7.44	83	2040	0.451	ug/l	96
51) 4-Methyl-2-Pentanone	8.70	43	2073	0.574	ug/l #	1
67) Ethyl Benzene	10.23	91	21963	1.622	ug/l	94
68) m/p-Xylenes	10.35	106	4146	0.787	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	116542	28.743	ug/l #	36
78) n-propylbenzene	11.34	91	11070	0.694	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	6749	0.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	116542	70.387	ug/l #	14
84) 1,2,4-Trimethylbenzene	11.79	105	26604	2.094	ug/l	97
89) n-Butylbenzene	12.37	91	2732	0.245	ug/l #	52
95) Naphthalene	13.82	128	37422	2.761	ug/l	99

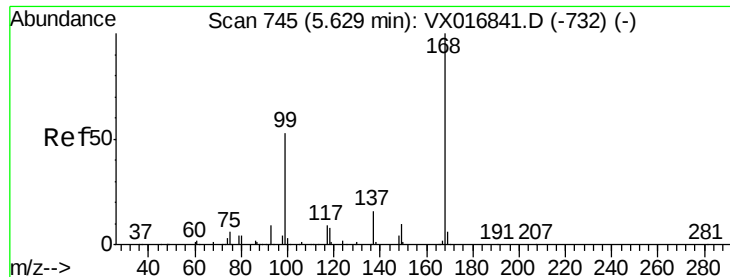
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

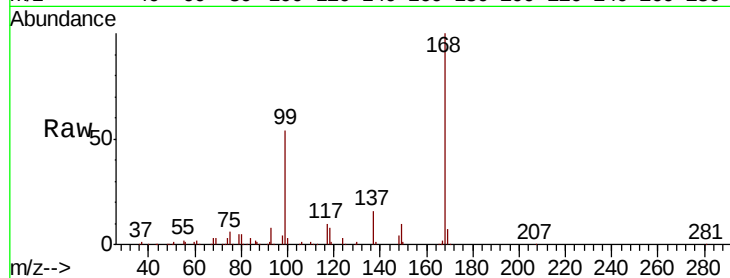
TB-03_061720

Tot Ion:168 Resp: 242777

Ion Ratio Lower Upper

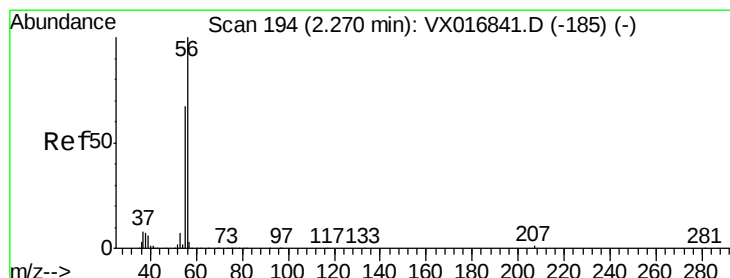
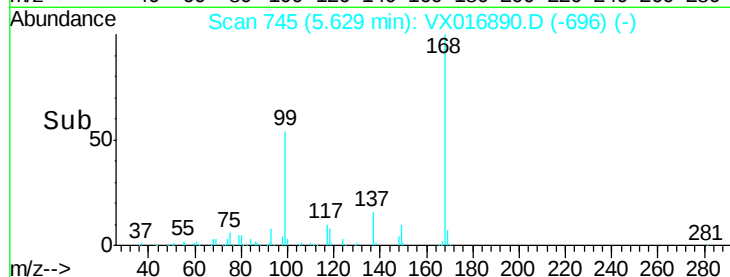
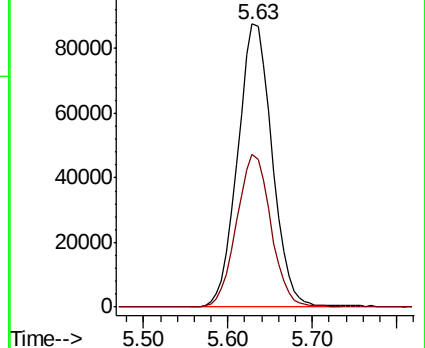
168 100

99 53.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#13

Acrolein

Concen: 0.575 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016890.D

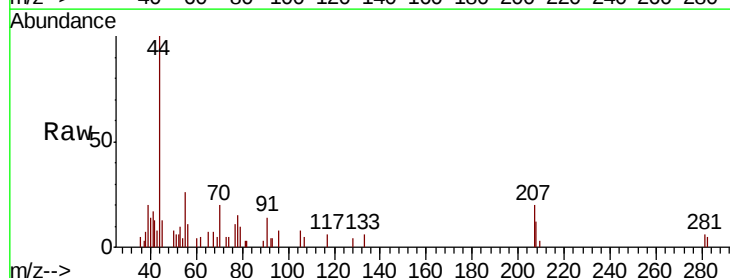
Acq: 19 Jun 2020 19:16

Tgt Ion: 56 Resp: 172

Ion Ratio Lower Upper

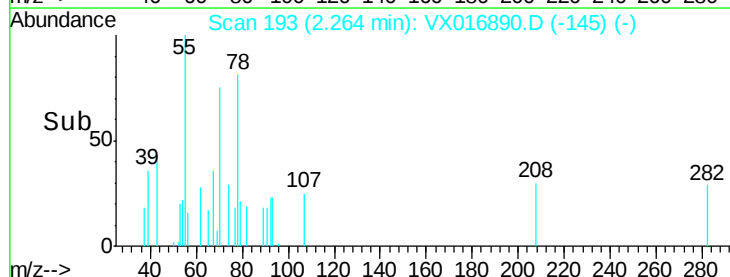
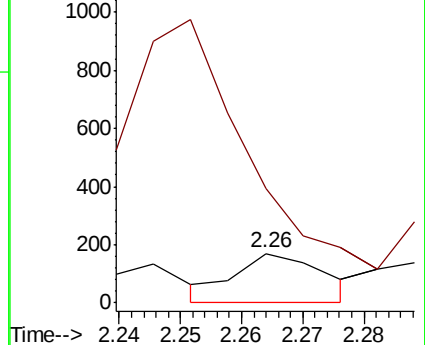
56 100

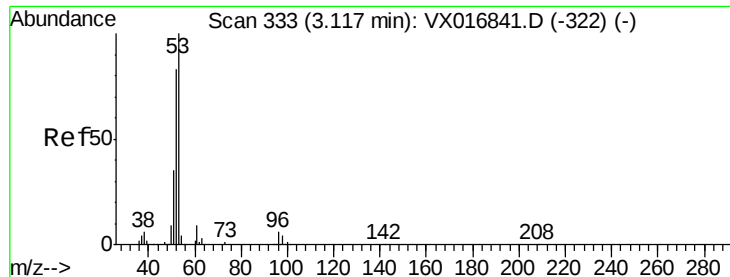
55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.220 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

TB-03_061720

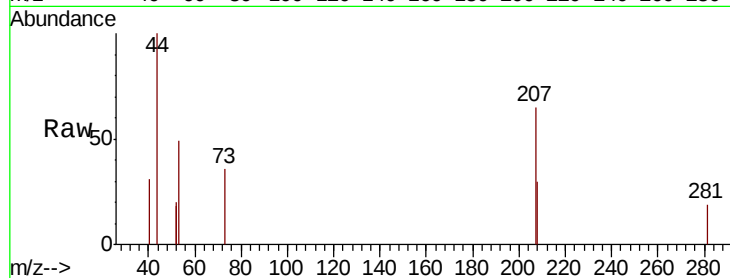
Tot Ion: 53 Resp: 249

Ion Ratio Lower Upper

53 100

52 55.0 66.2 99.2#

51 34.1 28.7 43.1

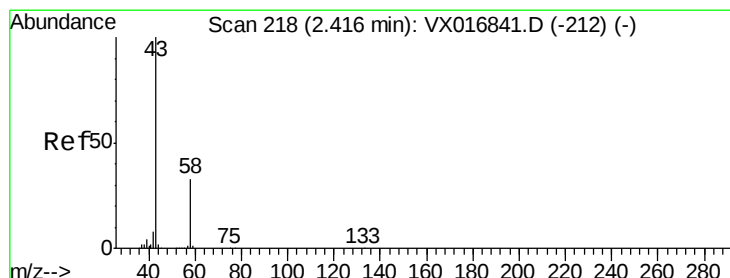
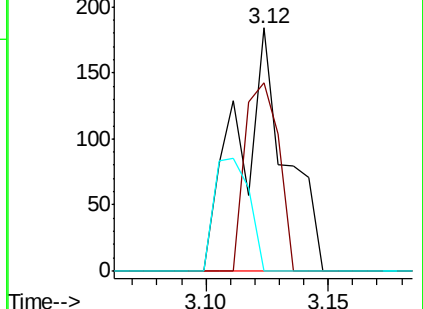
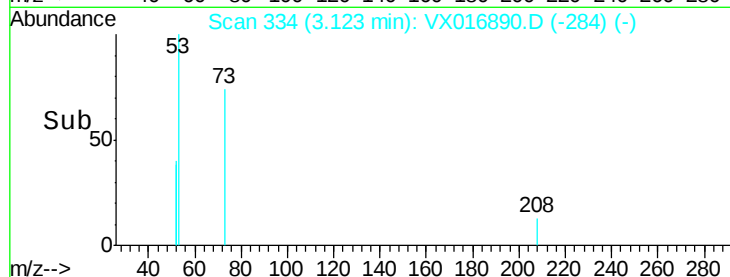


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Time-->



#16

Acetone

Concen: 0.587 ug/l

RT: 2.40 min Scan# 216

Delta R.T. -0.01 min

Lab File: VX016890.D

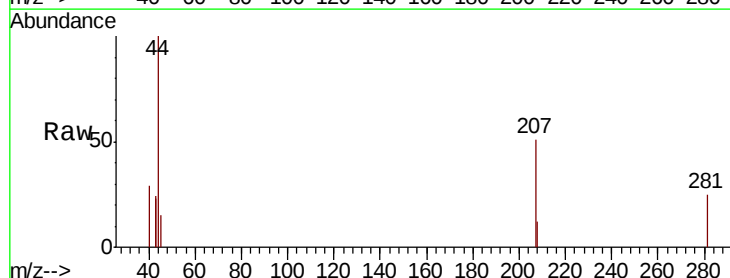
Acq: 19 Jun 2020 19:16

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

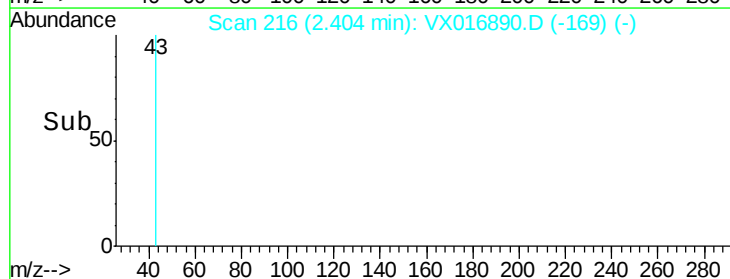
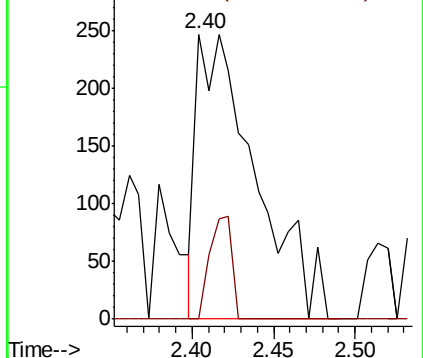
43 100

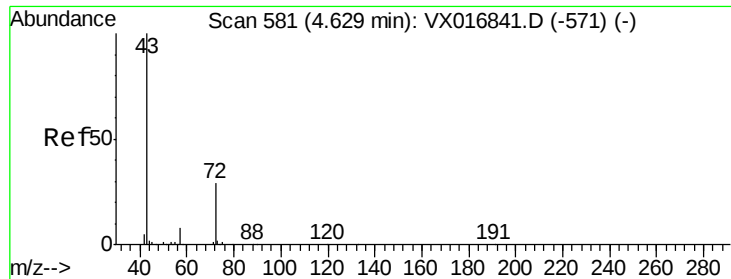
58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.200 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampled :

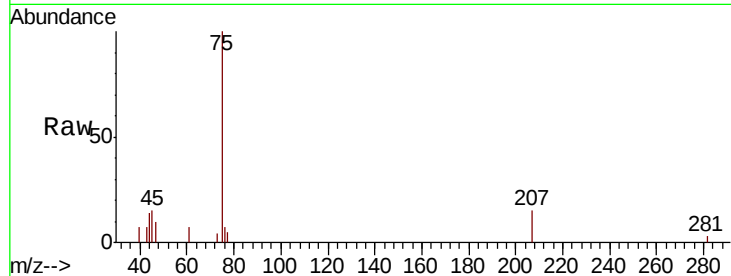
TB-03_061720

Tot Ion: 43 Resp: 292

Ion Ratio Lower Upper

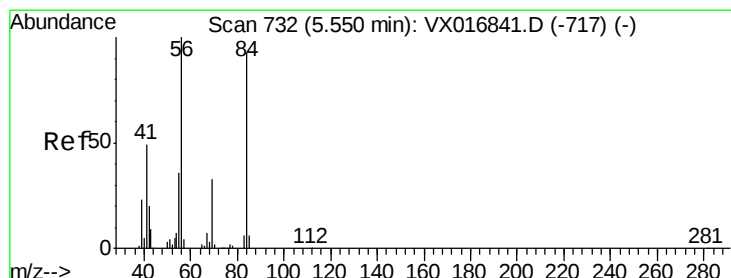
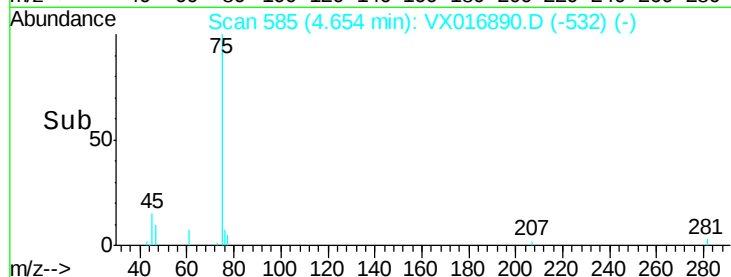
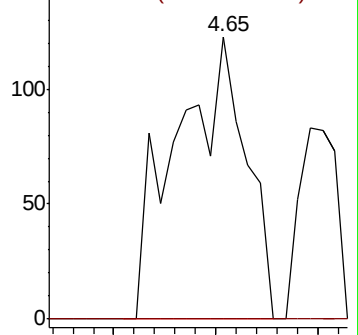
43 100

72 0.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.345 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

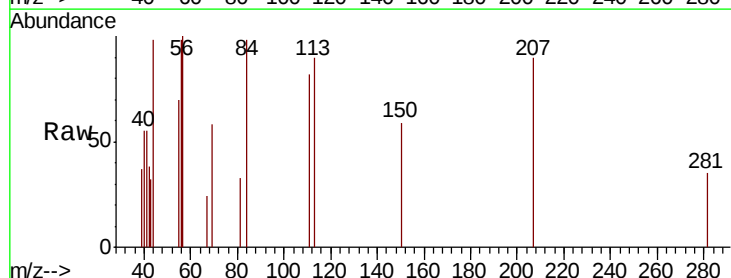
Tgt Ion: 56 Resp: 1246

Ion Ratio Lower Upper

56 100

69 29.4 26.1 39.1

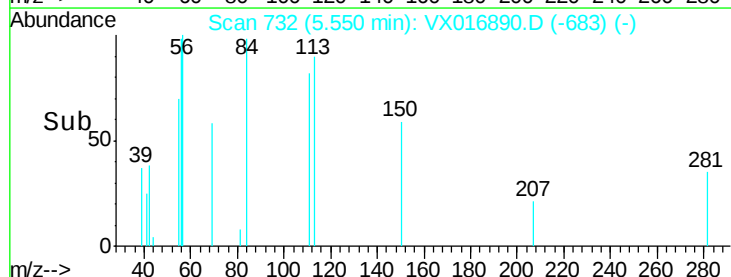
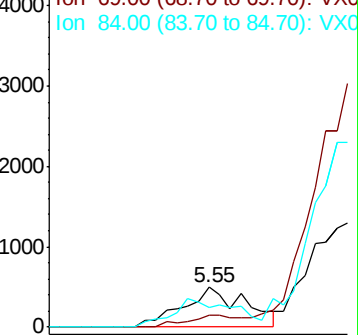
84 49.8 73.0 109.6#

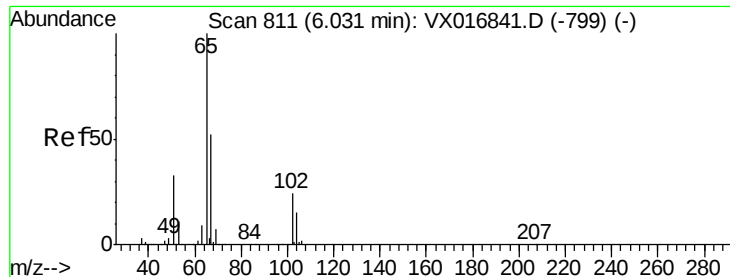


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.445 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

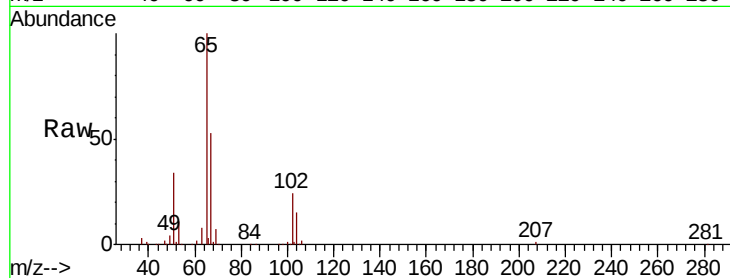
TB-03_061720

Tot Ion: 65 Resp: 138532

Ion Ratio Lower Upper

65 100

67 52.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

50000

40000

30000

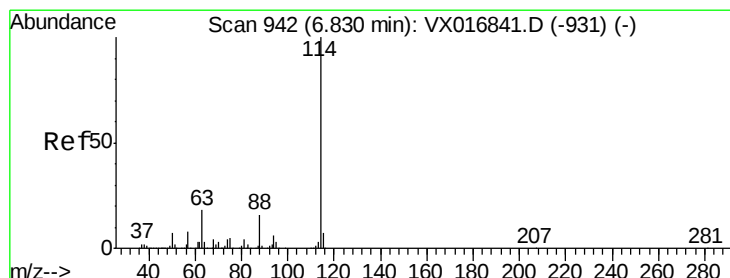
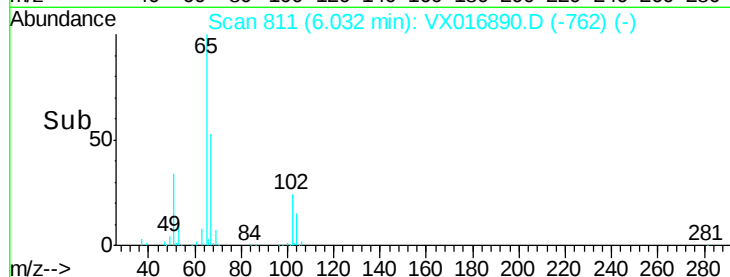
20000

10000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

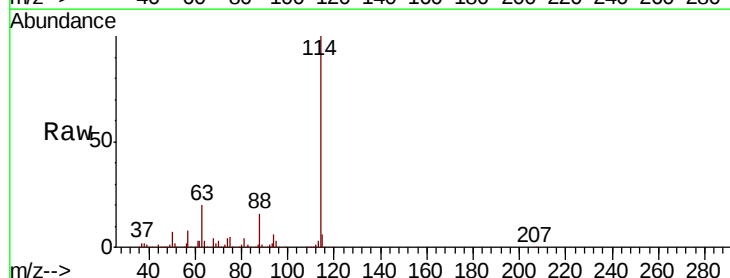
Tgt Ion: 114 Resp: 421705

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.0

88 15.8 0.0 32.0



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

250000

200000

150000

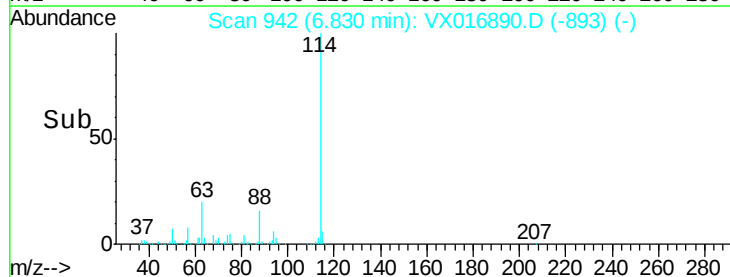
100000

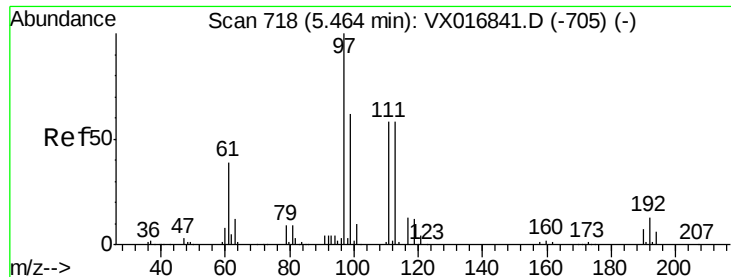
50000

0

Time-->

6.70 6.80 6.90

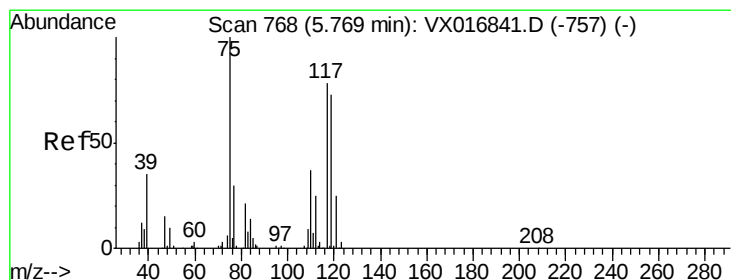
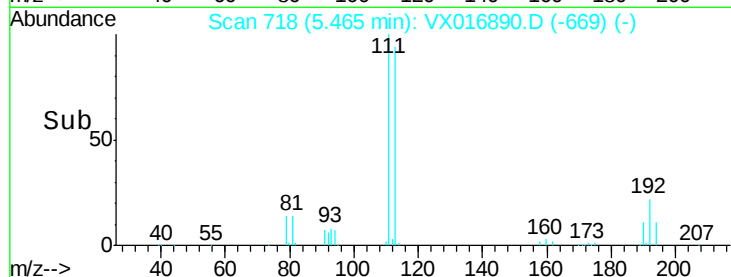
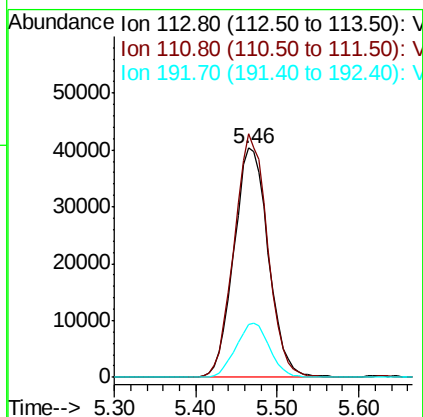
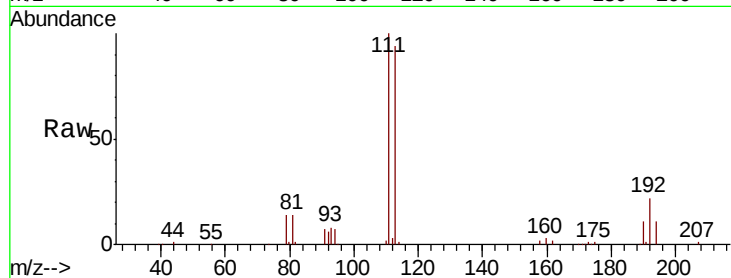




#35
 Dibromofluoromethane
 Concen: 43.771 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX016890.D
 Acq: 19 Jun 2020 19:16

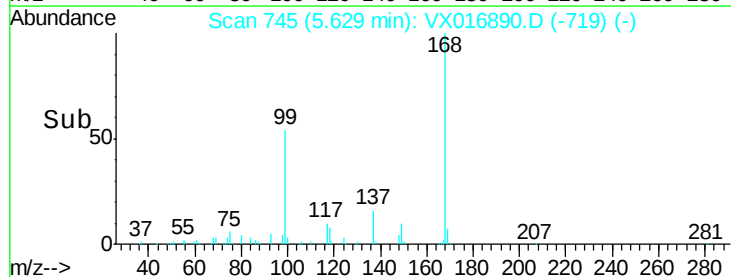
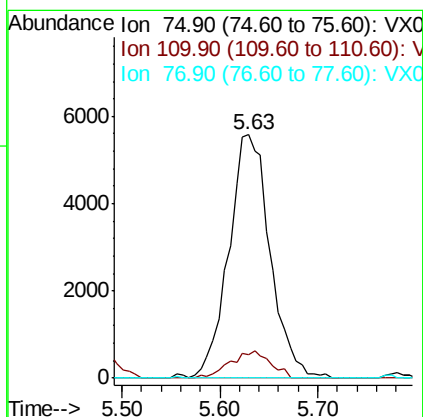
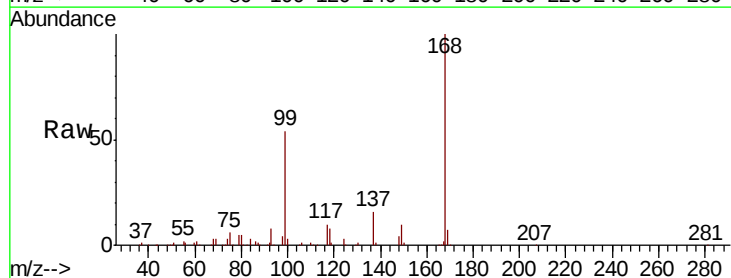
Instrument :
 MSVOA_X
 ClientSampled :
 TB-03_061720

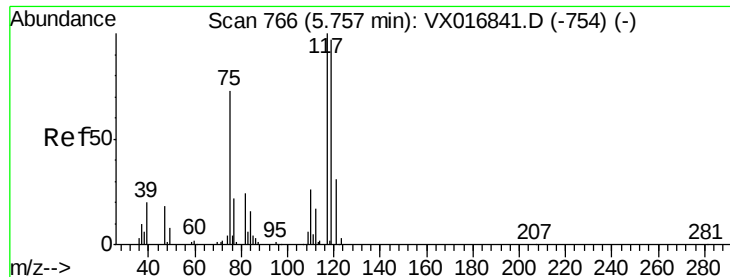
Tot Ion:113 Resp: 118080
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.0 121.4
 192 23.2 18.5 27.7



#36
 1,1-Dichloropropene
 Concen: 4.193 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016890.D
 Acq: 19 Jun 2020 19:16

Tgt Ion: 75 Resp: 16327
 Ion Ratio Lower Upper
 75 100
 110 10.9 18.9 56.9#
 77 0.0 25.6 38.4#

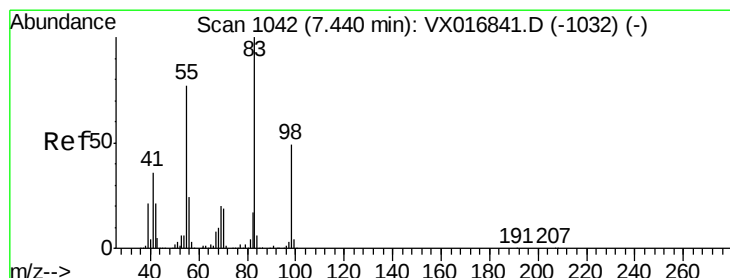
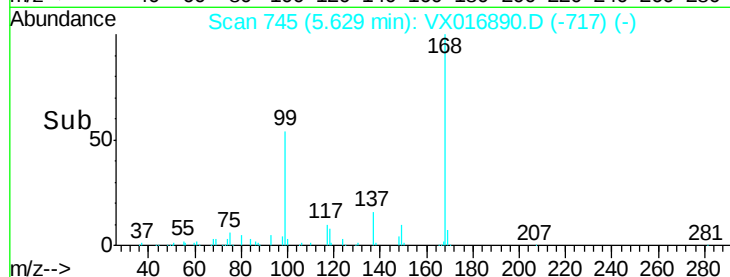
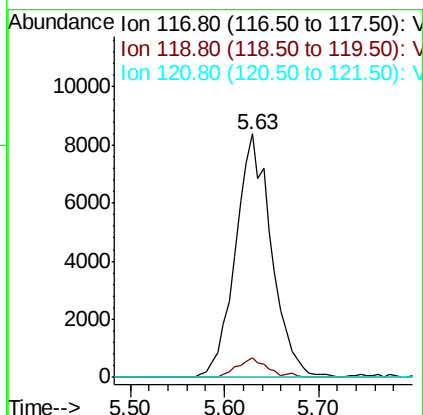
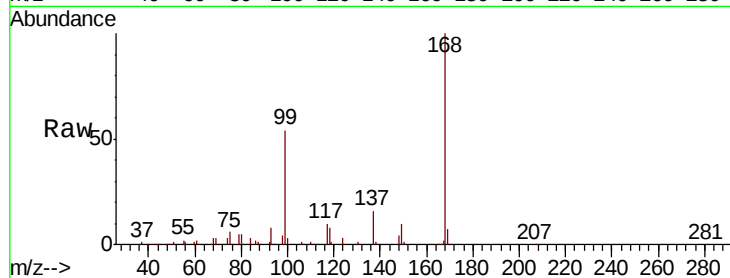




#38
Carbon Tetrachloride
Concen: 5.118 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016890.D
Acq: 19 Jun 2020 19:16

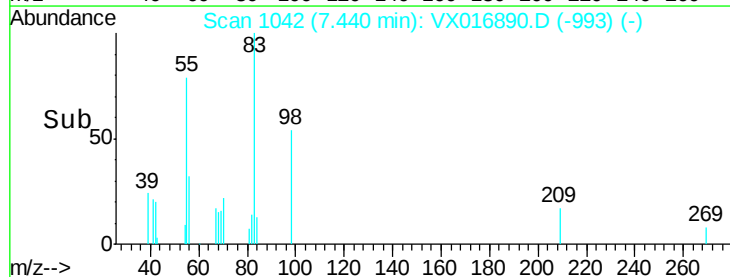
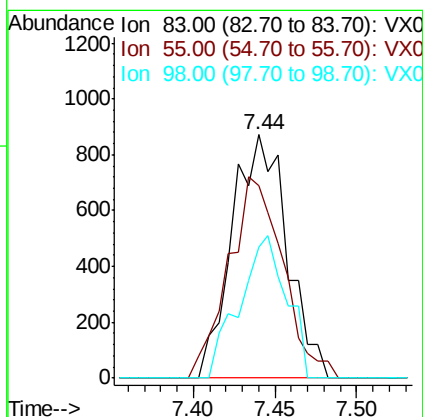
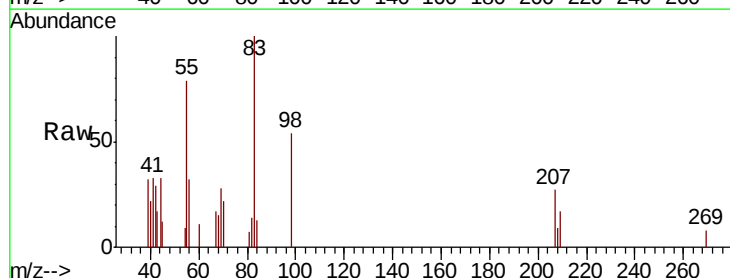
Instrument :
MSVOA_X
ClientSampleId :
TB-03_061720

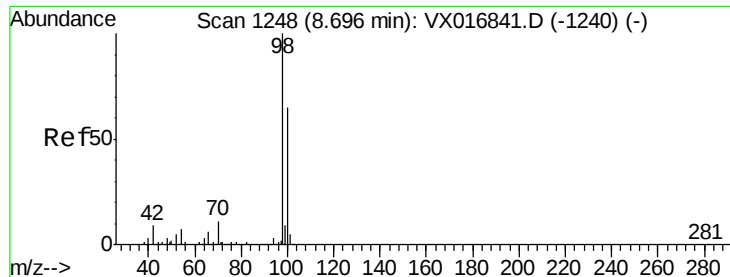
Tot Ion:117 Resp: 22362
Ion Ratio Lower Upper
117 100
119 8.1 77.4 116.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.451 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016890.D
Acq: 19 Jun 2020 19:16

Tgt Ion: 83 Resp: 2040
Ion Ratio Lower Upper
83 100
55 79.2 61.7 92.5
98 53.6 39.0 58.6





#50

Toluene-d8

Concen: 46.935 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

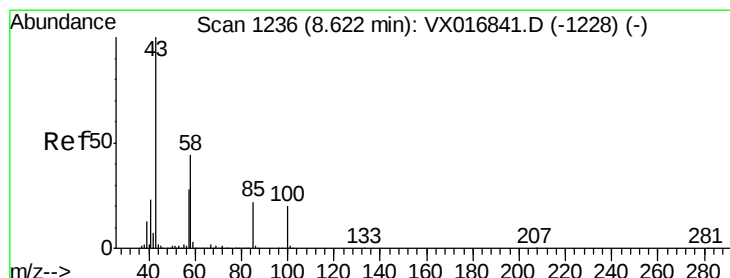
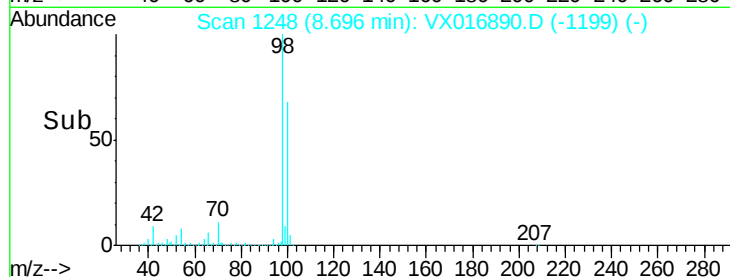
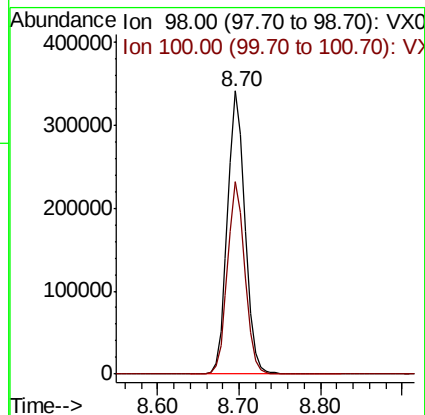
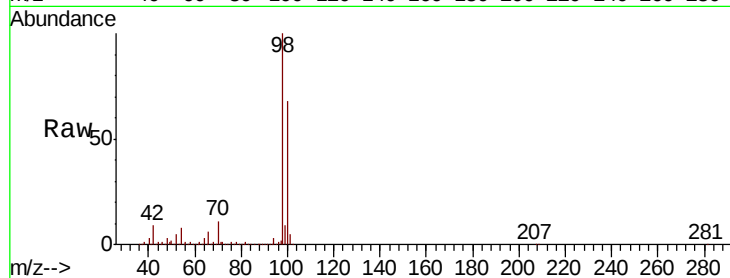
TB-03_061720

Tot Ion: 98 Resp: 506561

Ion Ratio Lower Upper

98 100

100 67.2 54.0 81.0



#51

4-Methyl-2-Pentanone

Concen: 0.574 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016890.D

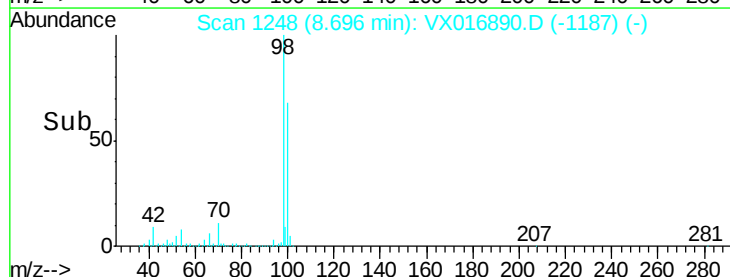
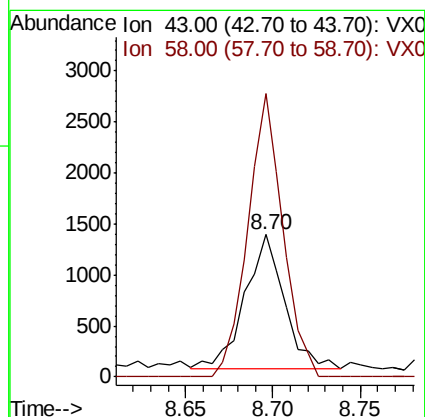
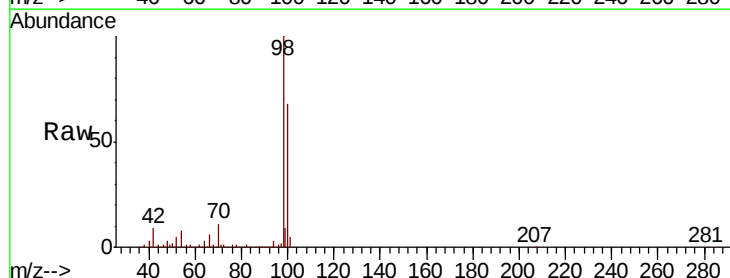
Acq: 19 Jun 2020 19:16

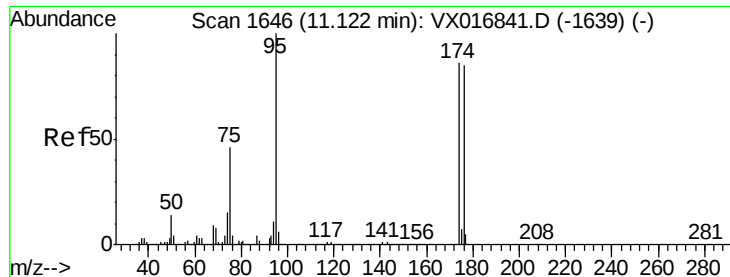
Tgt Ion: 43 Resp: 2073

Ion Ratio Lower Upper

43 100

58 185.8 34.3 51.5#





#62

4-Bromofluorobenzene

Concen: 58.982 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

TB-03_061720

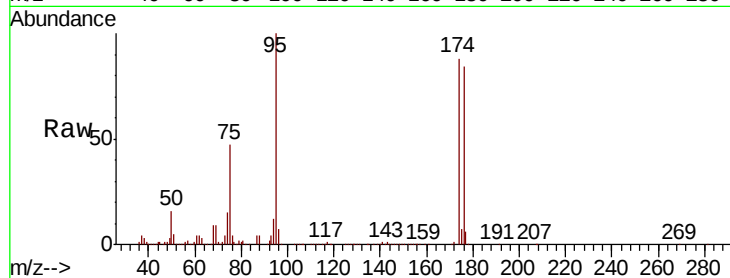
Tot Ion: 95 Resp: 243905

Ion Ratio Lower Upper

95 100

174 86.7 0.0 174.2

176 83.0 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

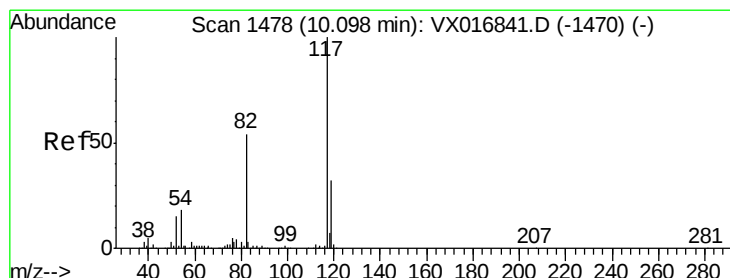
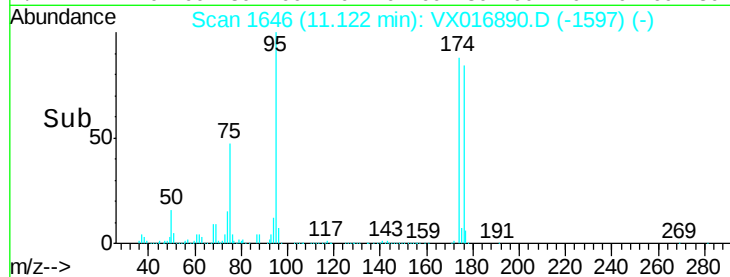
100000

50000

0

11.10 11.12 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

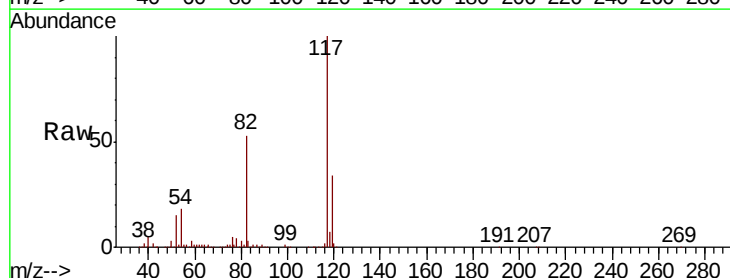
Tgt Ion: 117 Resp: 396414

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 33.5 25.7 38.5



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

400000

300000

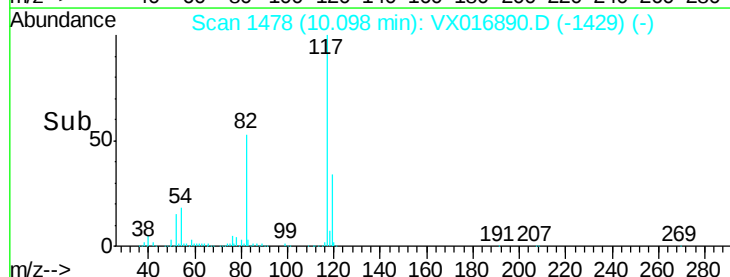
200000

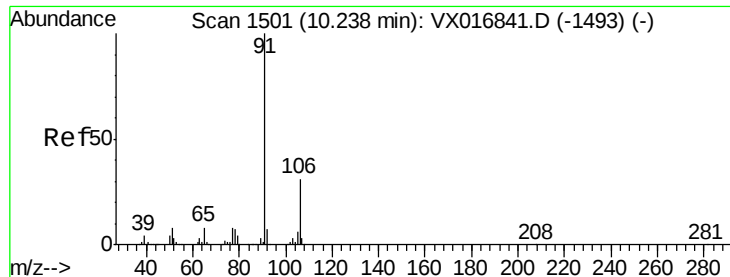
100000

0

10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 1.622 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

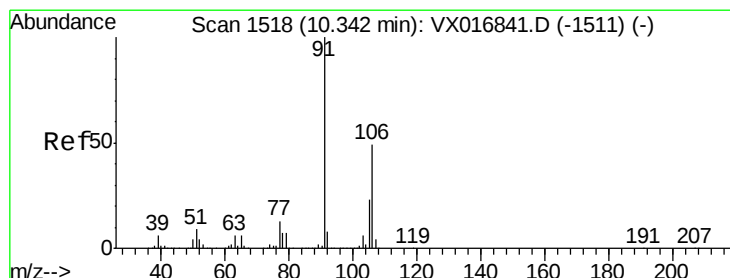
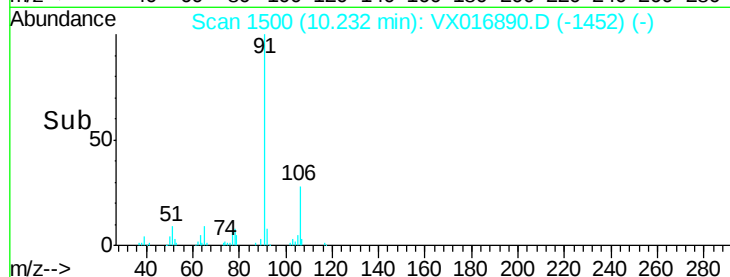
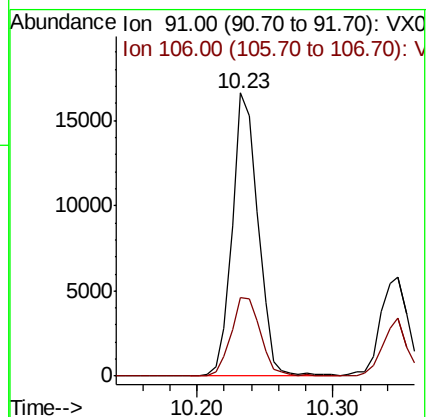
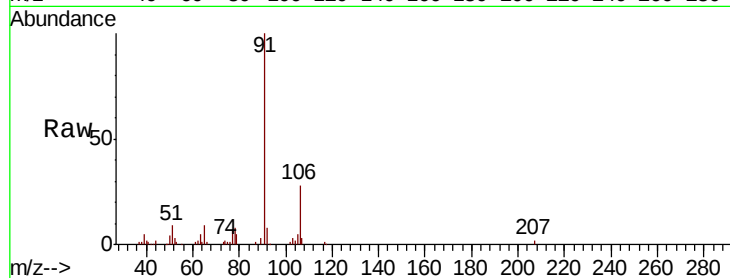
TB-03_061720

Tot Ion: 91 Resp: 21963

Ion Ratio Lower Upper

91 100

106 27.8 25.1 37.7



#68

m/p-Xylenes

Concen: 0.787 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX016890.D

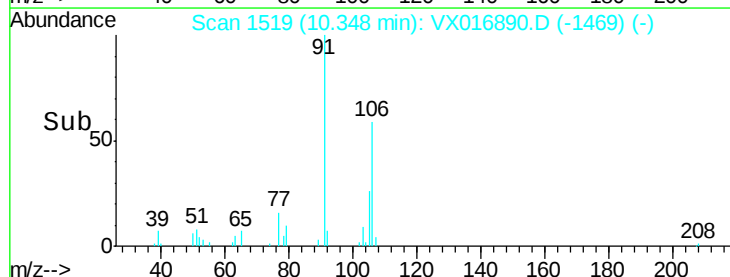
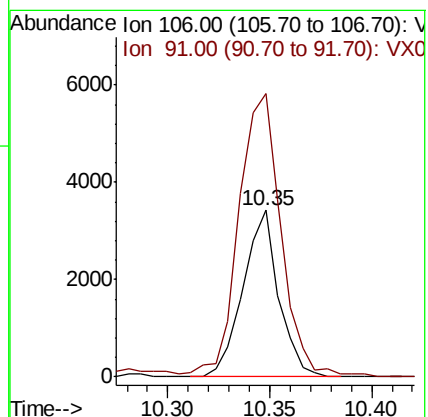
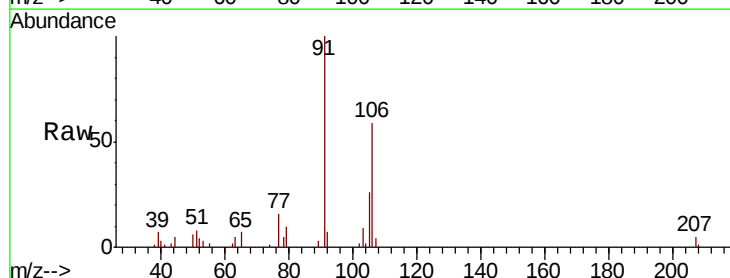
Acq: 19 Jun 2020 19:16

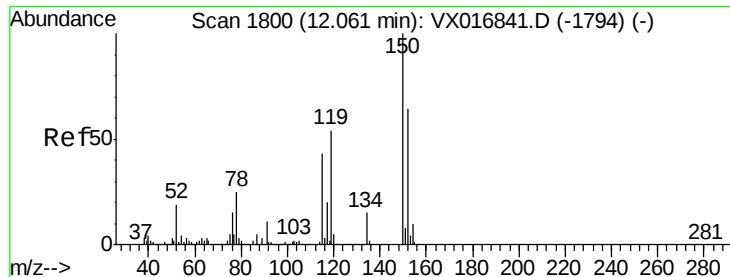
Tgt Ion: 106 Resp: 4146

Ion Ratio Lower Upper

106 100

91 202.9 161.5 242.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

TB-03_061720

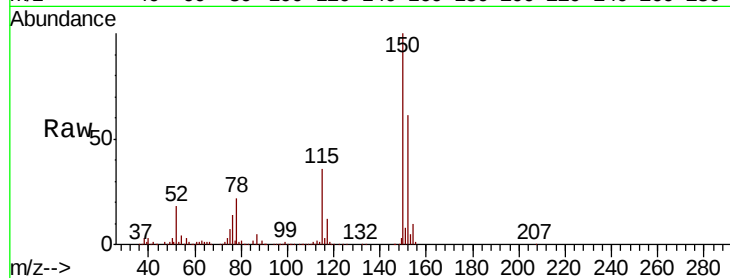
Tot Ion:152 Resp: 222010

Ion Ratio Lower Upper

152 100

115 57.6 40.9 122.8

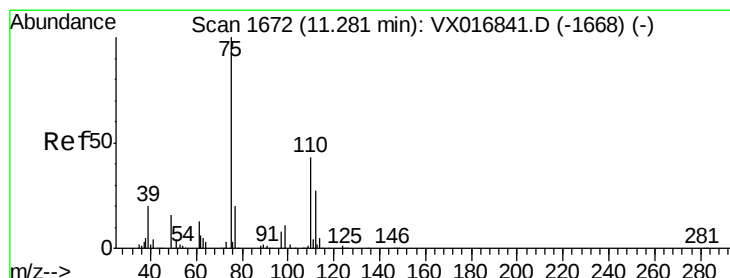
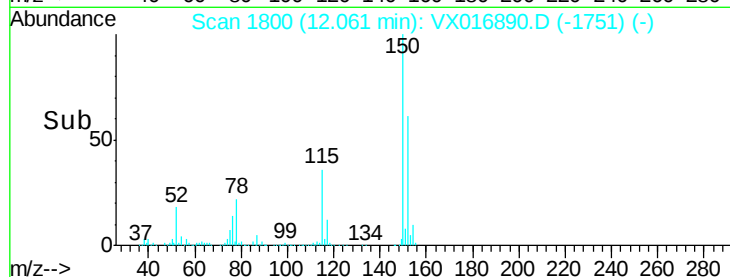
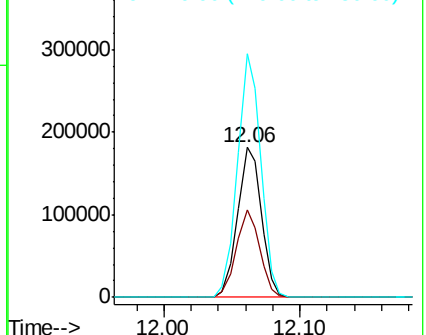
150 158.5 0.0 344.2



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: 28.743 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016890.D

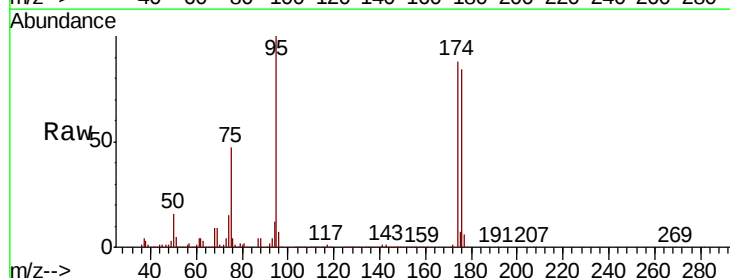
Acq: 19 Jun 2020 19:16

Tgt Ion: 75 Resp: 116542

Ion Ratio Lower Upper

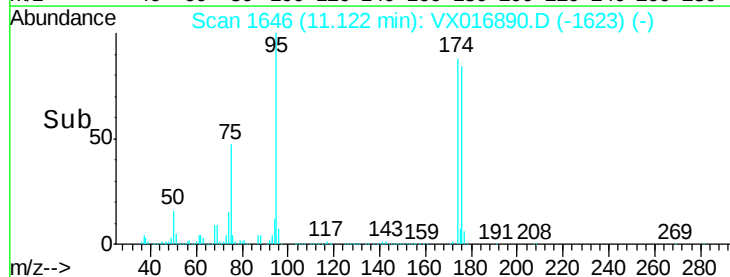
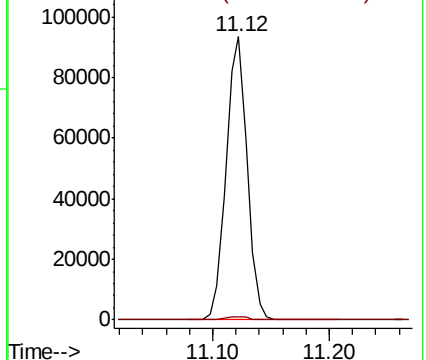
75 100

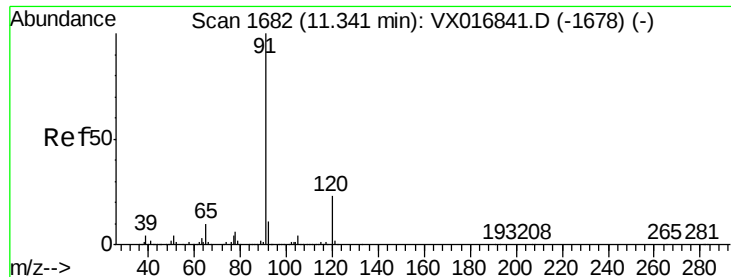
77 1.3 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

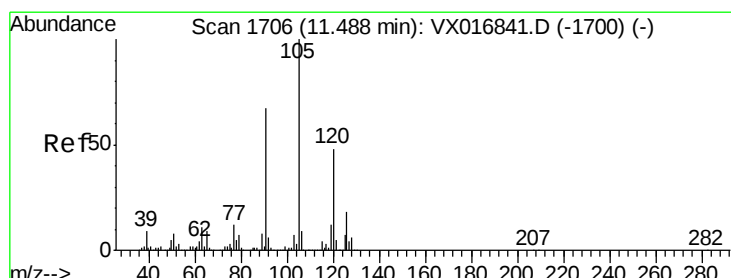
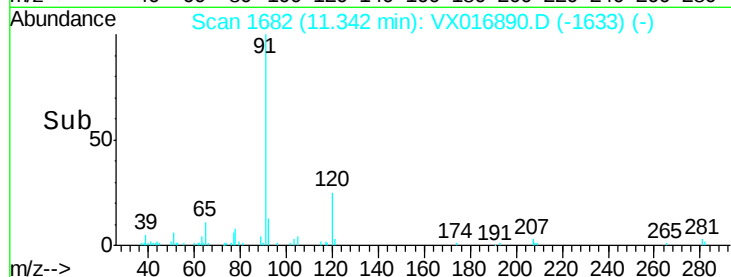
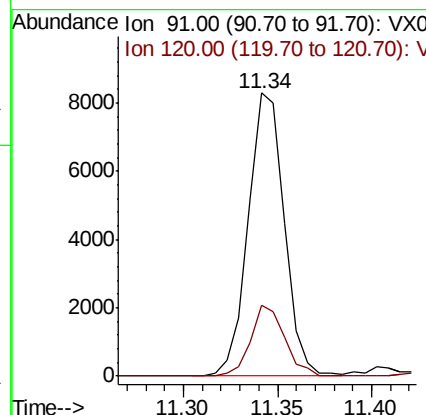
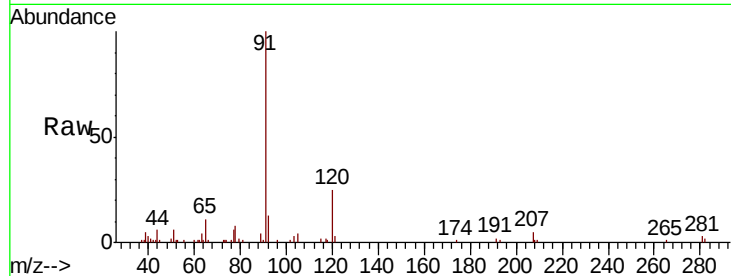




#78
n-propylbenzene
Concen: 0.694 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX016890.D
Acq: 19 Jun 2020 19:16

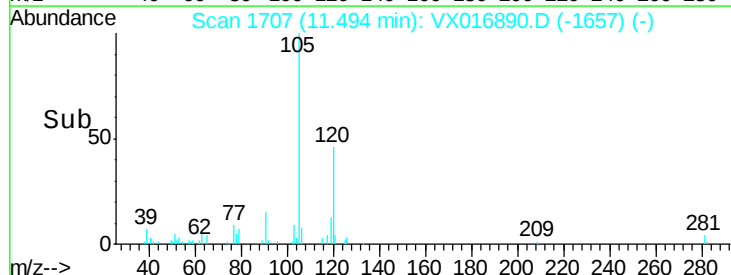
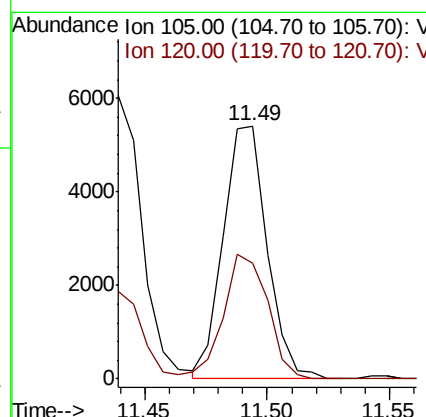
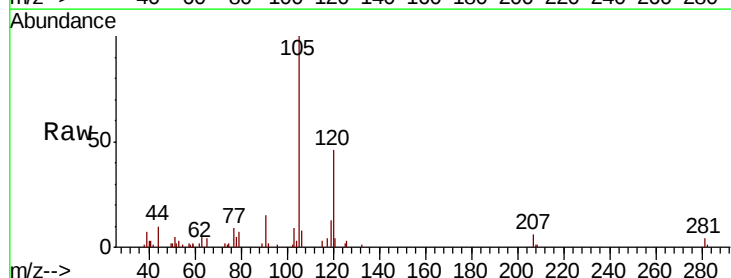
Instrument :
MSVOA_X
ClientSampleId :
TB-03_061720

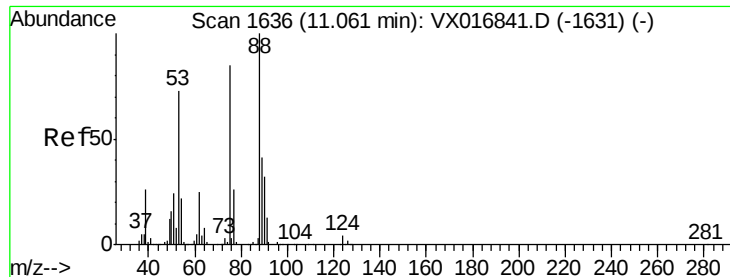
Tot Ion: 91 Resp: 11070
Ion Ratio Lower Upper
91 100
120 23.2 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.547 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX016890.D
Acq: 19 Jun 2020 19:16

Tgt Ion: 105 Resp: 6749
Ion Ratio Lower Upper
105 100
120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.387 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016890.D

Acq: 19 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

TB-03_061720

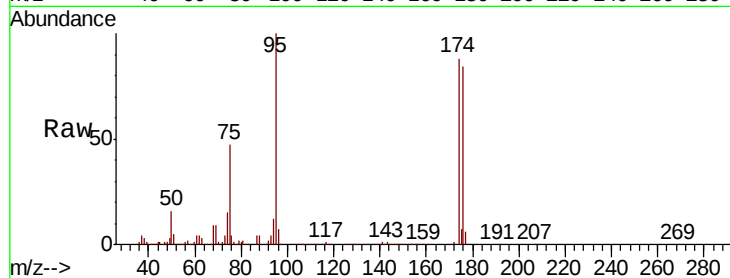
Tot Ion: 75 Resp: 116542

Ion Ratio Lower Upper

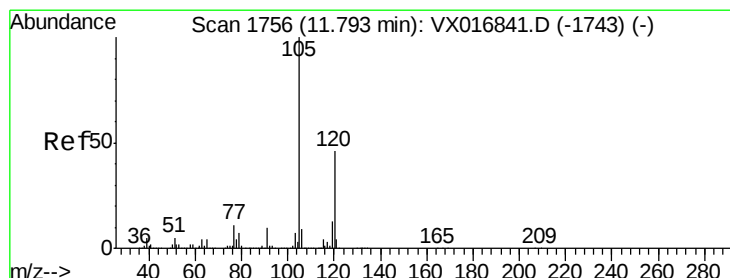
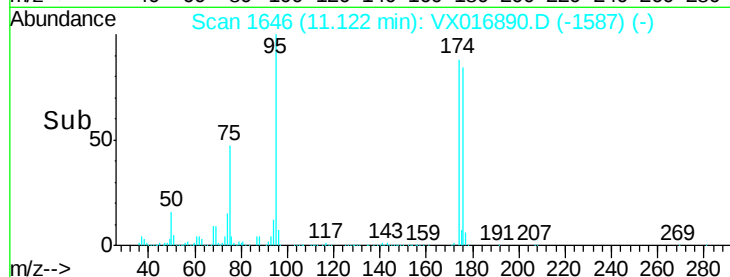
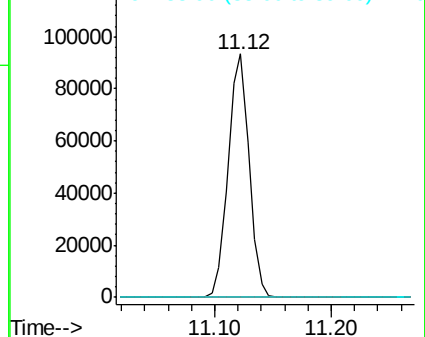
75 100

53 0.1 69.8 104.8#

89 0.0 38.3 57.5#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.094 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016890.D

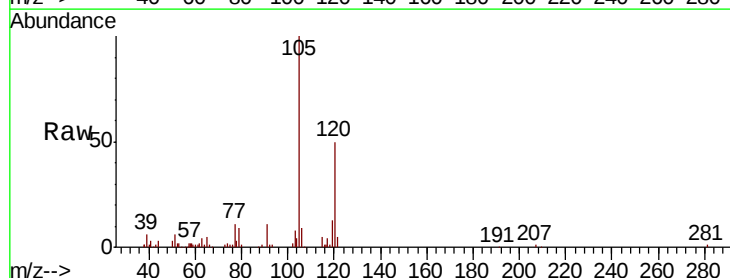
Acq: 19 Jun 2020 19:16

Tgt Ion: 105 Resp: 26604

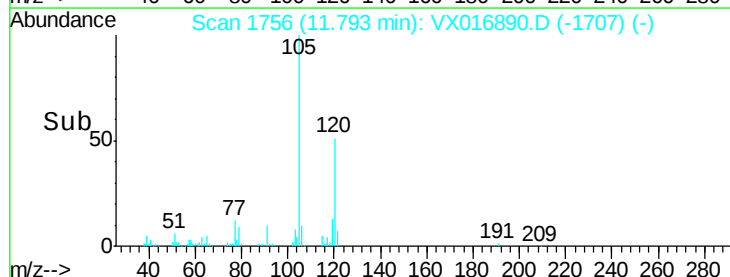
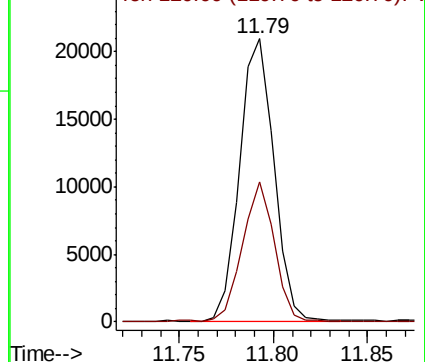
Ion Ratio Lower Upper

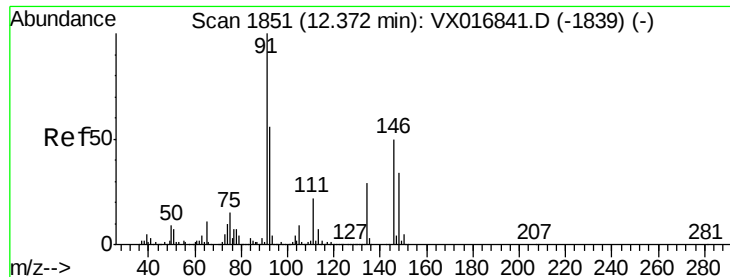
105 100

120 46.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

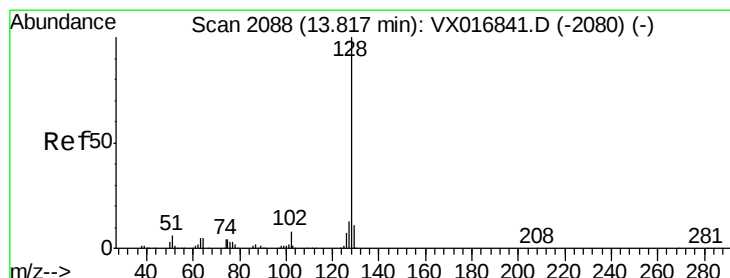
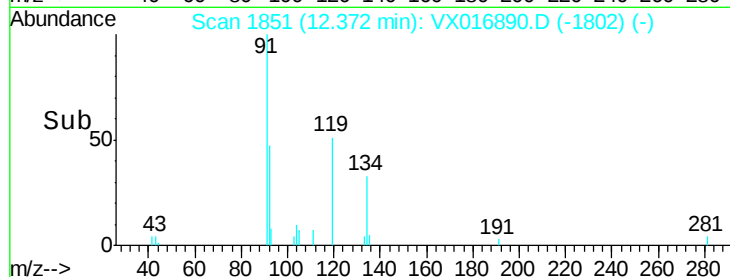
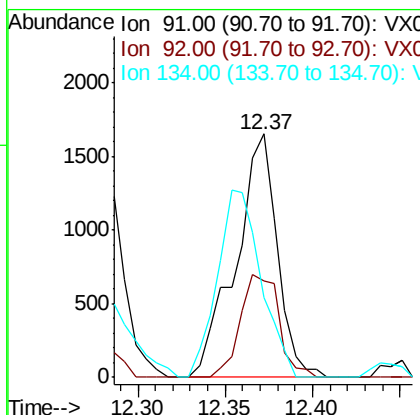
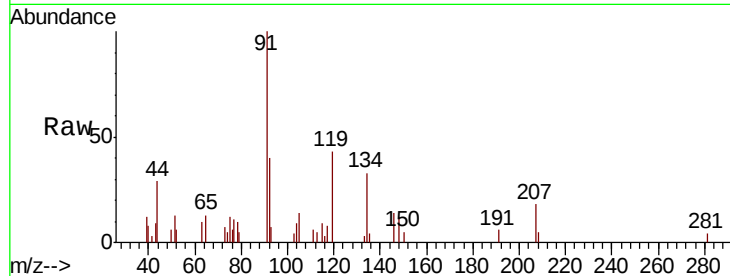




#89
n-Butylbenzene
Concen: 0.245 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016890.D
Acq: 19 Jun 2020 19:16

Instrument :
MSVOA_X
ClientSampled :
TB-03_061720

Tot Ion: 91 Resp: 2732
Ion Ratio Lower Upper
91 100
92 39.4 27.4 82.2
134 80.8 13.9 41.6#



#95
Naphthalene
Concen: 2.761 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016890.D
Acq: 19 Jun 2020 19:16

Tgt Ion: 128 Resp: 37422
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.3 8.6 13.0

