

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016630.D
 Acq On : 08 Jun 2020 12:05
 Operator : JC/SP
 Sample : L2926-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20200604

Quant Time: Jun 09 05:43:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	241421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	371955	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	376595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	185278	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	137352	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	5.46	113	112890	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.70	98	461918	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	11.12	95	183590	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	

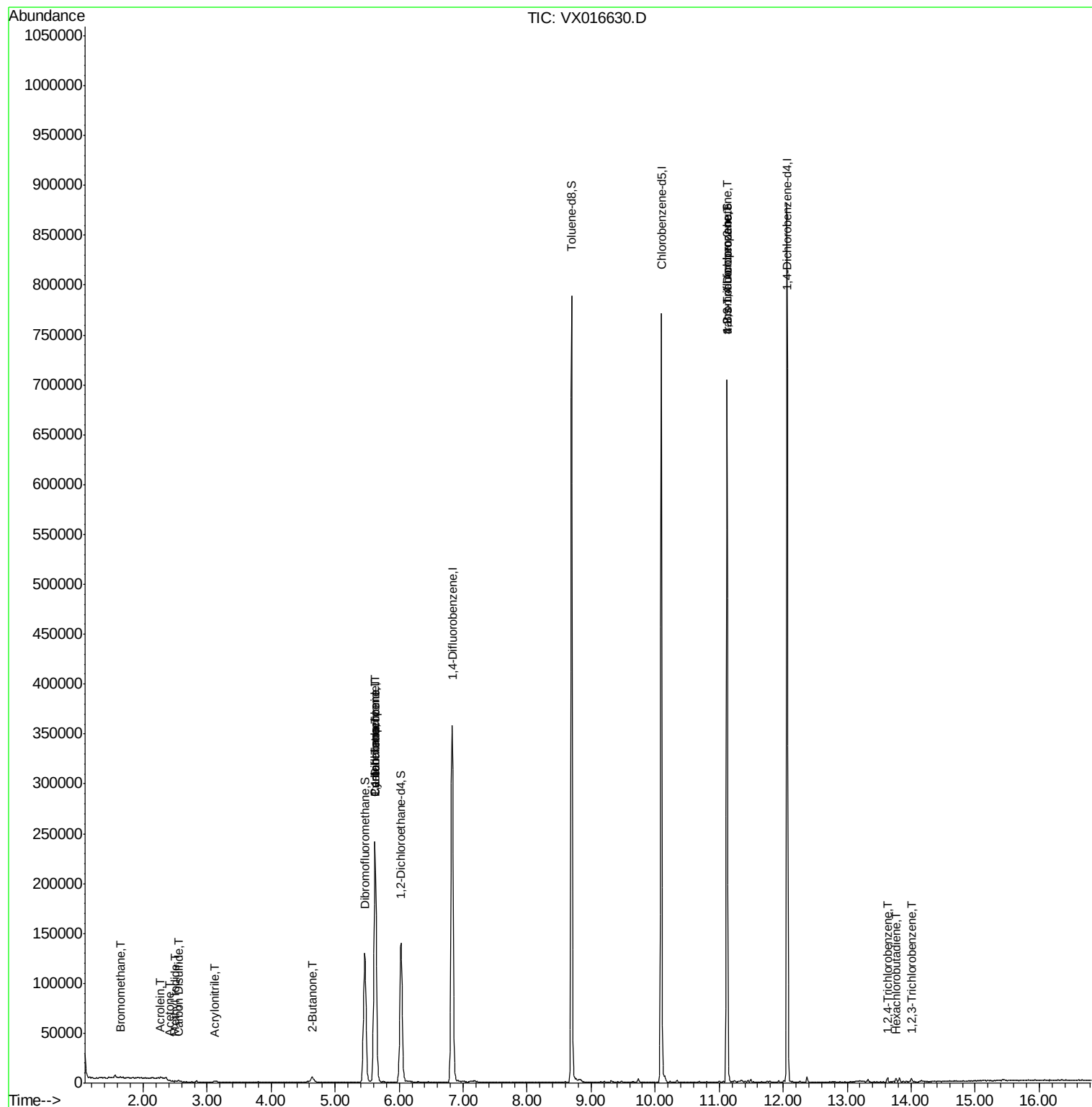
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	493	0.33	ug/l #	74
10) Methyl Iodide	2.50	142	429	3.21	ug/l #	66
13) Acrolein	2.26	56	523	1.60	ug/l #	72
15) Acrylonitrile	3.12	53	545	0.35	ug/l #	77
16) Acetone	2.42	43	535	0.41	ug/l	95
17) Carbon Disulfide	2.55	76	1849	0.27	ug/l #	73
25) 2-Butanone	4.65	43	530	0.24	ug/l #	49
31) Cyclohexane	5.62	56	4293	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16691	4.74	ug/l #	51
38) Carbon Tetrachloride	5.62	117	22270	6.02	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	88109	21.64	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	88109	53.22	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1169	0.31	ug/l	98
94) Hexachlorobutadiene	13.76	225	767	0.52	ug/l	93
96) 1,2,3-Trichlorobenzene	14.01	180	994	0.27	ug/l	96

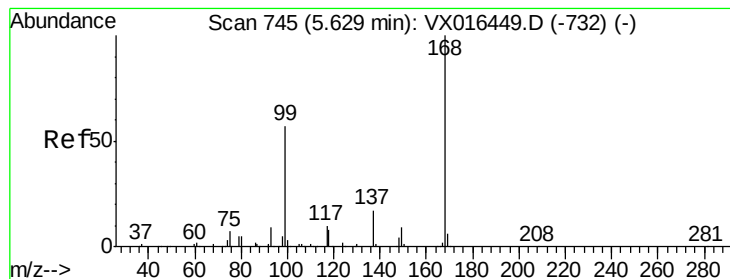
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
TB-20200604

Quant Time: Jun 09 05:43:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampled :

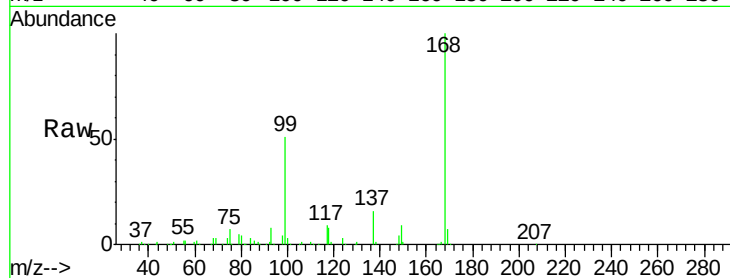
TB-20200604

Tgt Ion:168 Resp: 241421

Ion Ratio Lower Upper

168 100

99 51.5 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

80000

60000

40000

20000

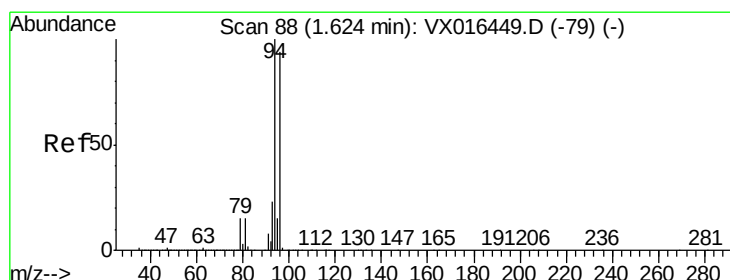
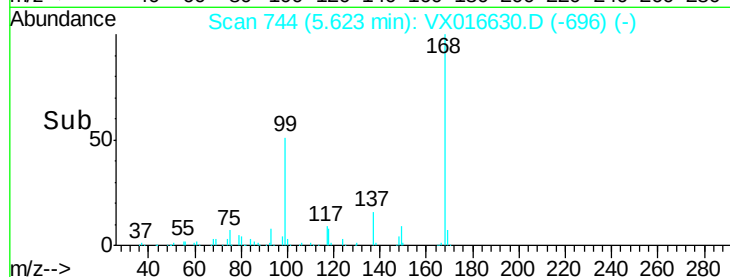
0

Time-->

5.50

5.60

5.70



#5

Bromomethane

Concen: 0.33 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016630.D

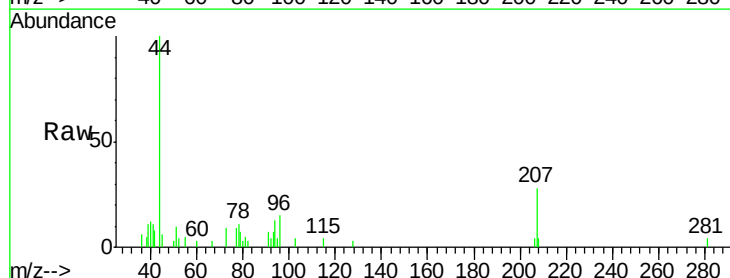
Acq: 08 Jun 2020 12:05

Tgt Ion: 94 Resp: 493

Ion Ratio Lower Upper

94 100

96 118.6 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

150

100

50

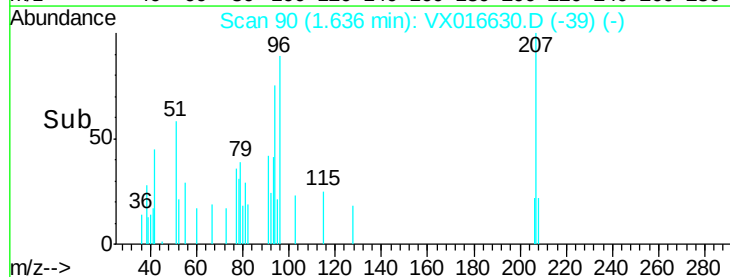
0

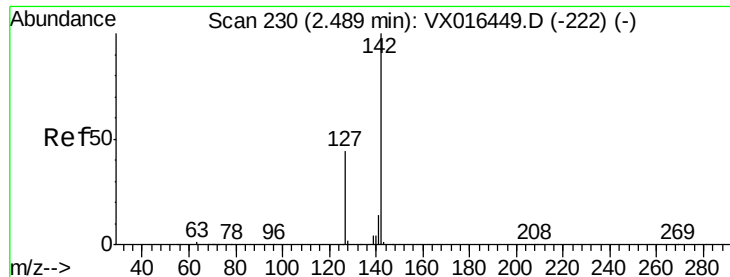
Time-->

1.60

1.65

1.70

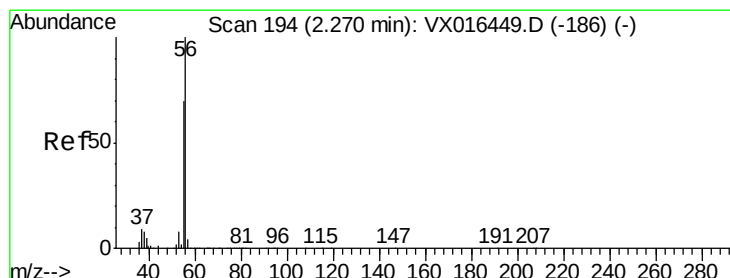
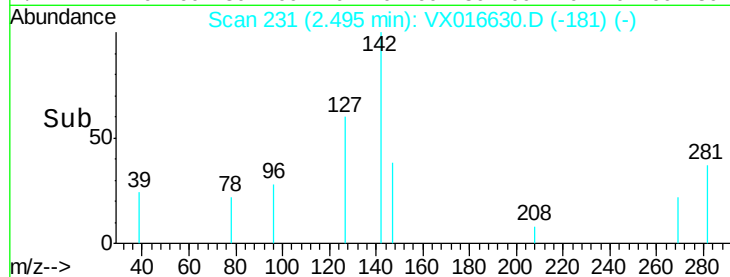
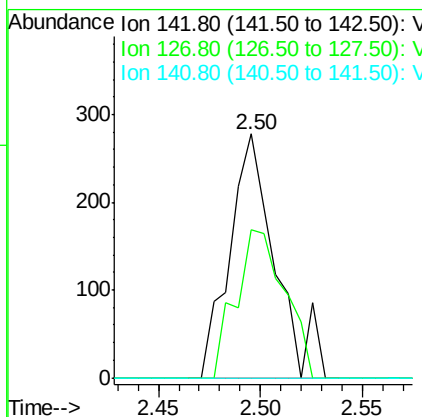
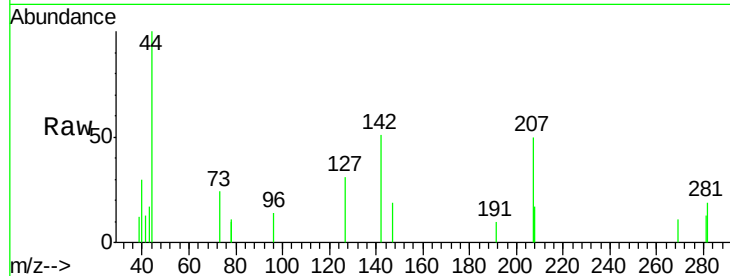




#10
Methyl Iodide
Concen: 3.21 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016630.D
Acq: 08 Jun 2020 12:05

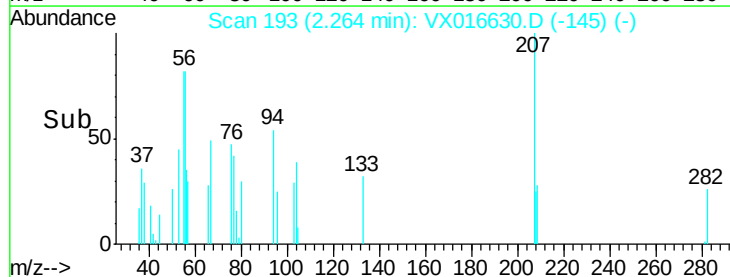
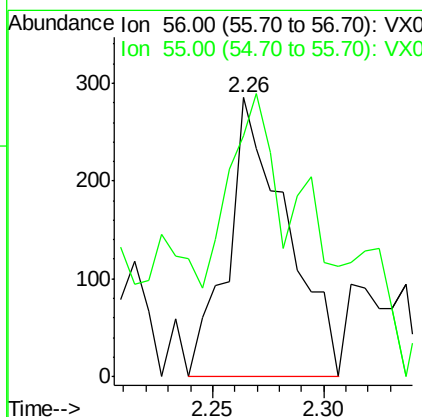
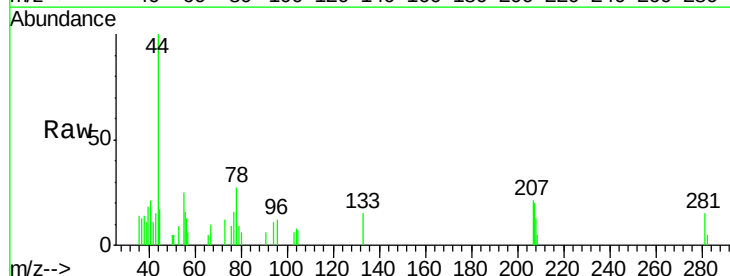
Instrument :
MSVOA_X
ClientSampleId :
TB-20200604

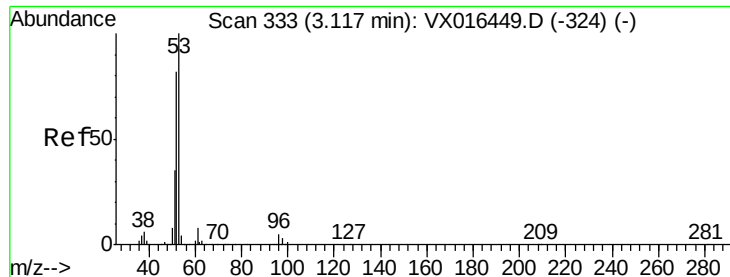
Tgt Ion: 142 Resp: 429
Ion Ratio Lower Upper
142 100
127 65.5 35.3 52.9#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 1.60 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX016630.D
Acq: 08 Jun 2020 12:05

Tgt Ion: 56 Resp: 523
Ion Ratio Lower Upper
56 100
55 49.5 58.3 87.5#





#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

TB-20200604

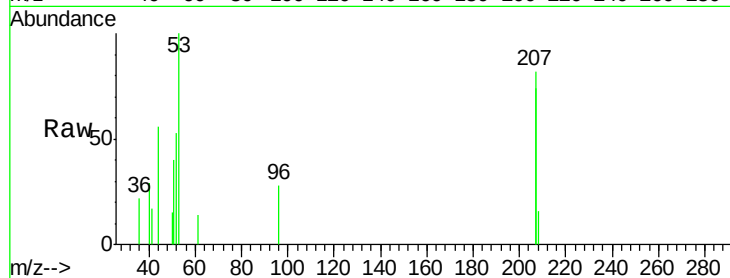
Tgt Ion: 53 Resp: 545

Ion Ratio Lower Upper

53 100

52 104.4 66.7 100.1#

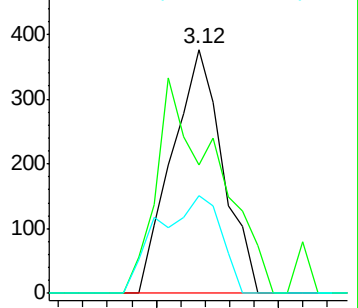
51 49.5 28.6 43.0#



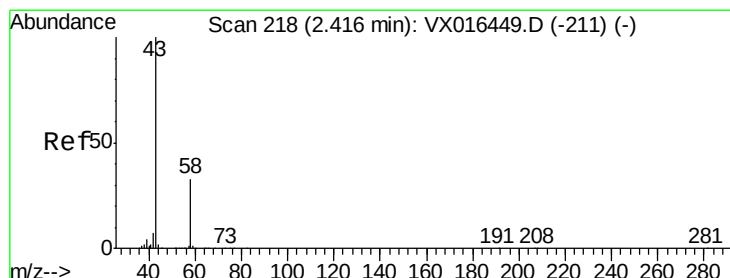
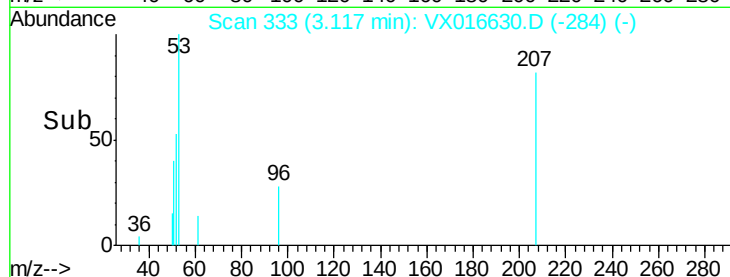
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.41 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016630.D

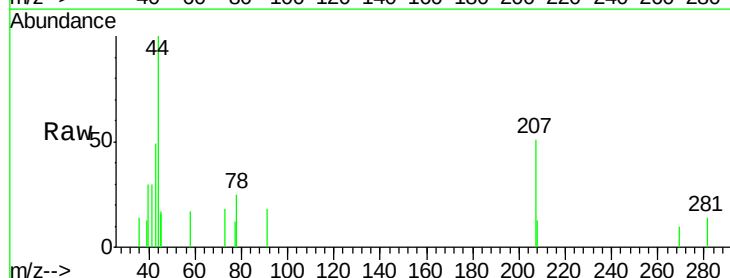
Acq: 08 Jun 2020 12:05

Tgt Ion: 43 Resp: 535

Ion Ratio Lower Upper

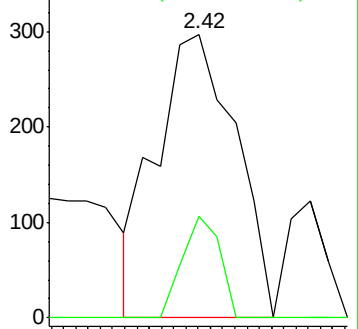
43 100

58 35.7 26.1 39.1

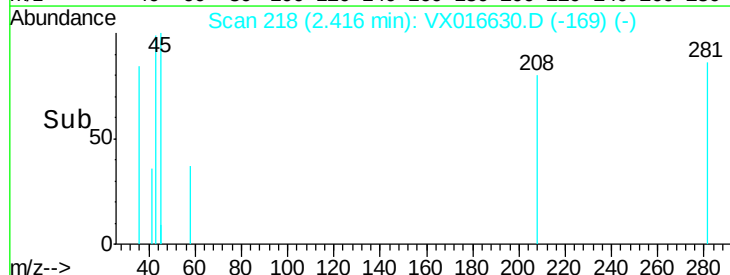


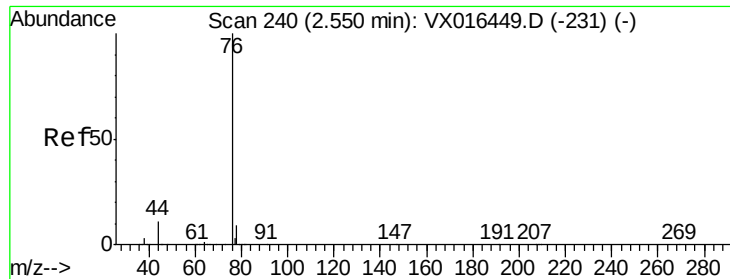
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

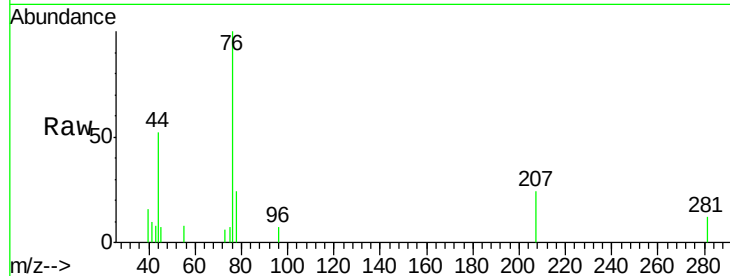
TB-20200604

Tgt Ion: 76 Resp: 1849

Ion Ratio Lower Upper

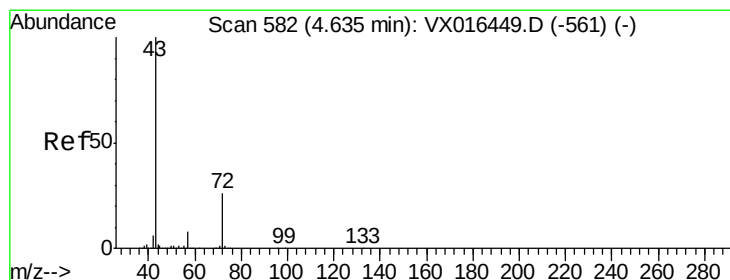
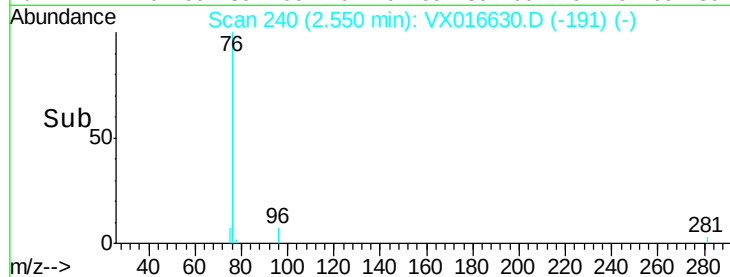
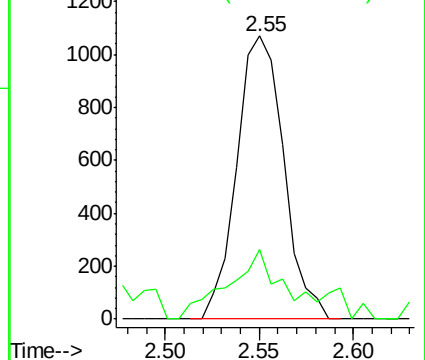
76 100

78 18.9 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016630.D

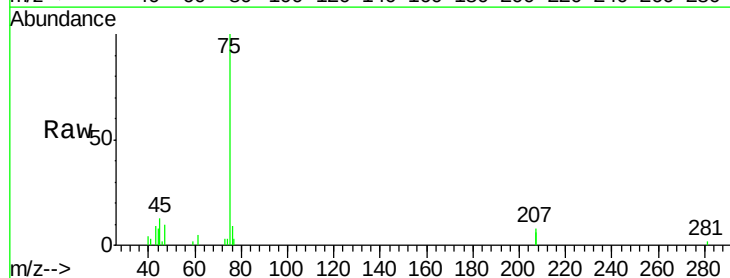
Acq: 08 Jun 2020 12:05

Tgt Ion: 43 Resp: 530

Ion Ratio Lower Upper

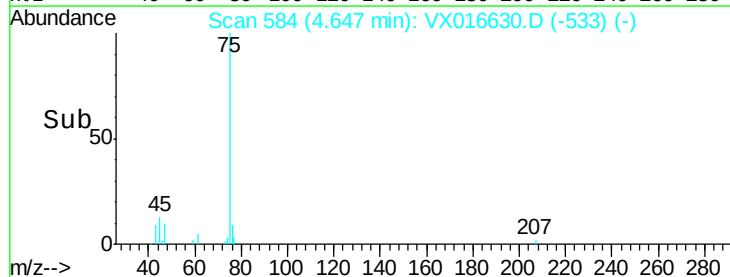
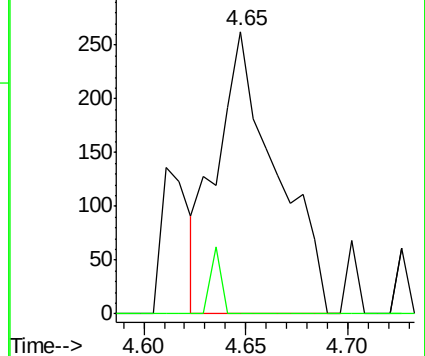
43 100

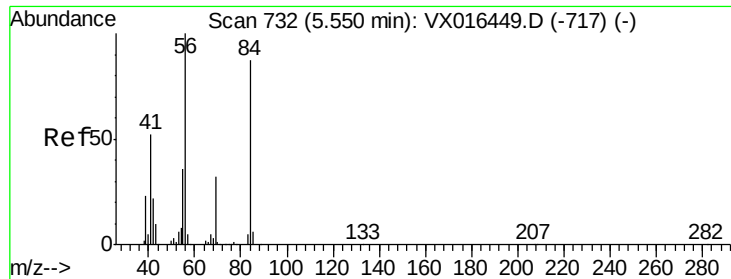
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

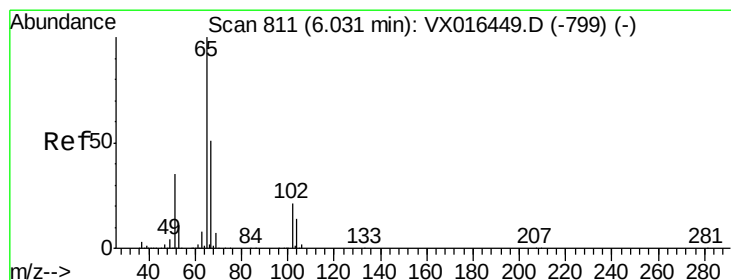
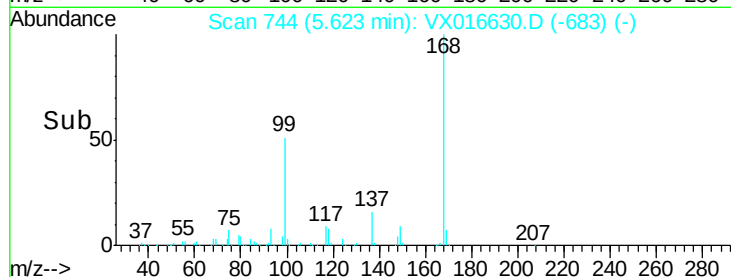
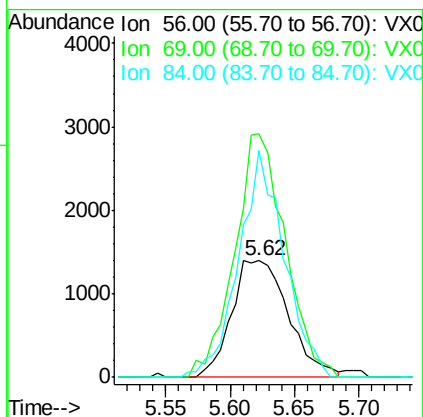
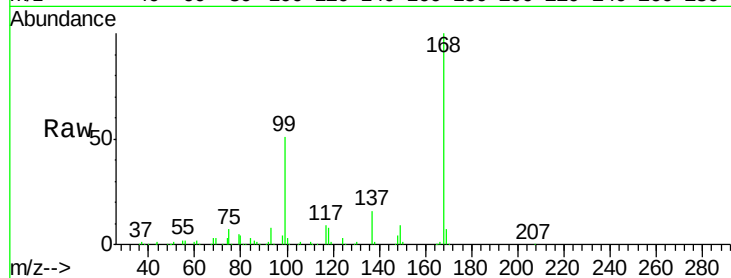




#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016630.D
Acq: 08 Jun 2020 12:05

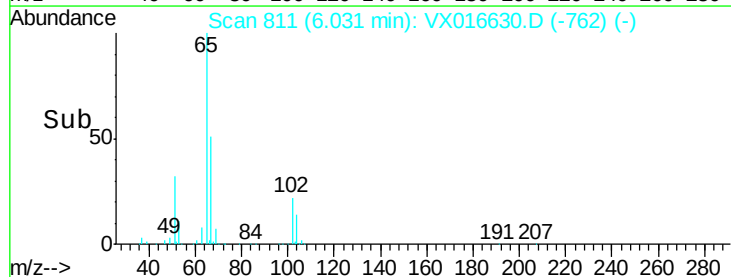
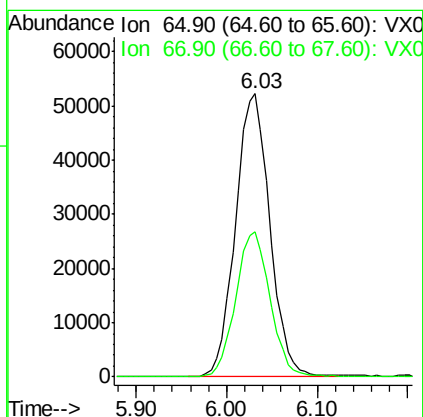
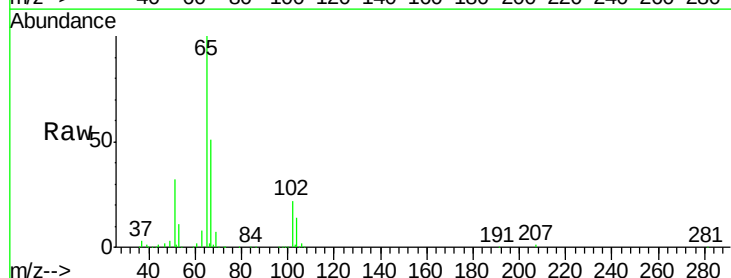
Instrument :
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ClientSampleId :
TB-20200604

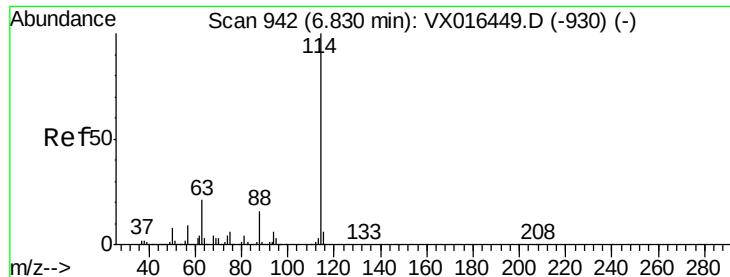
Tgt Ion: 56 Resp: 4293
Ion Ratio Lower Upper
56 100
69 208.9 25.7 38.5#
84 194.6 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 45.81 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016630.D
Acq: 08 Jun 2020 12:05

Tgt Ion: 65 Resp: 137352
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

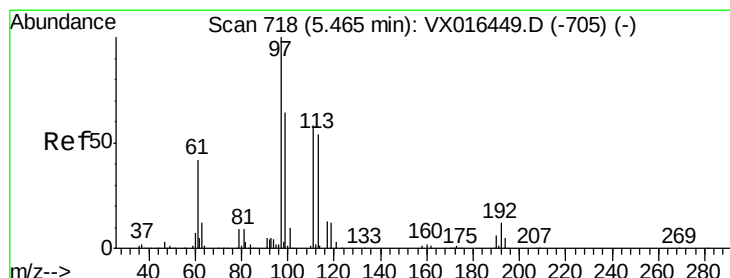
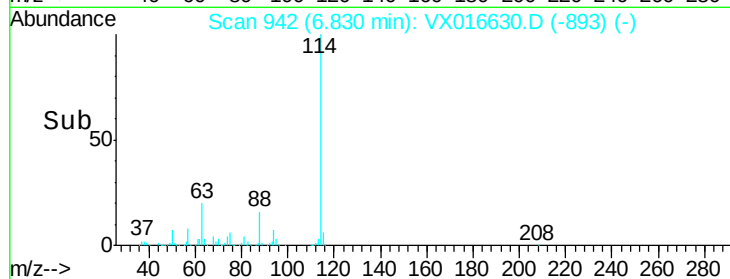
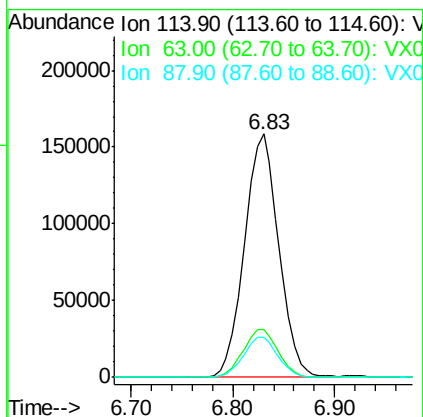
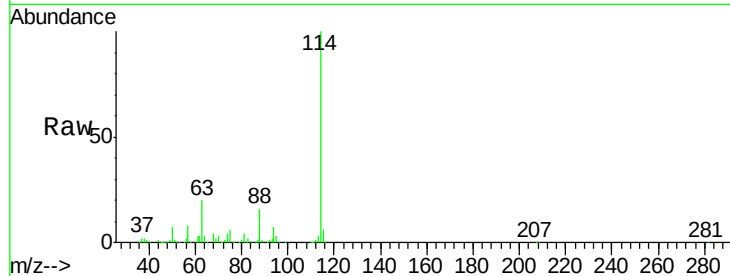




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016630.D
 Acq: 08 Jun 2020 12:05

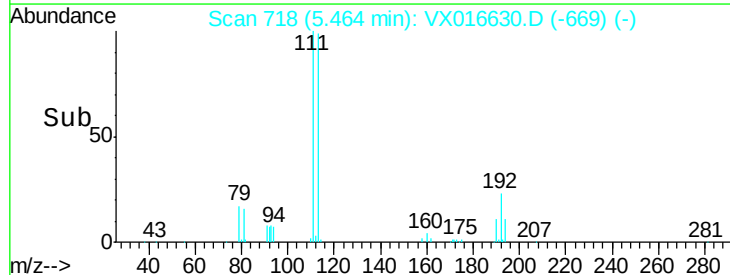
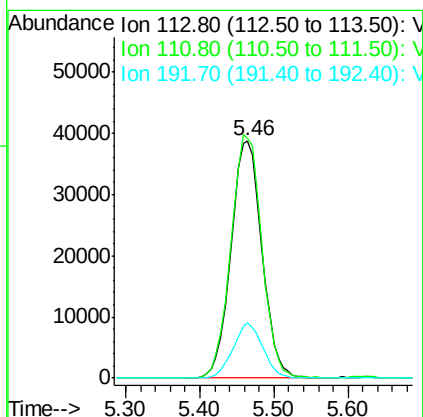
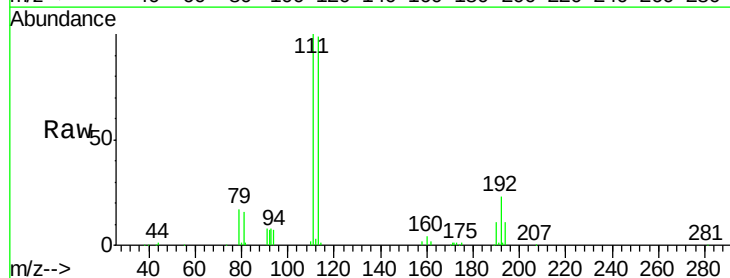
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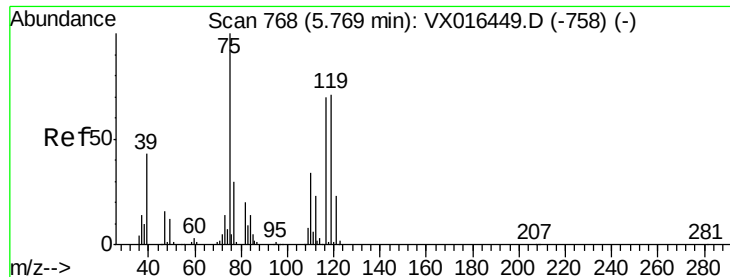
Tgt Ion:114 Resp: 371955
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 16.2 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 49.29 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016630.D
 Acq: 08 Jun 2020 12:05

Tgt Ion:113 Resp: 112890
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.6
 192 22.3 17.7 26.5





#36

1,1-Dichloropropene

Concen: 4.74 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

TB-20200604

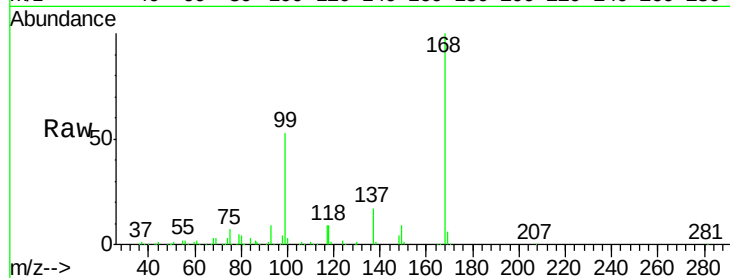
Tgt Ion: 75 Resp: 16691

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

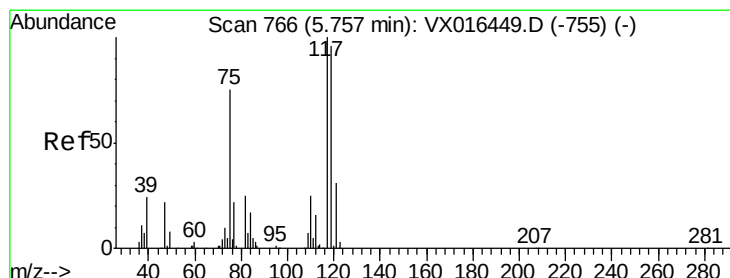
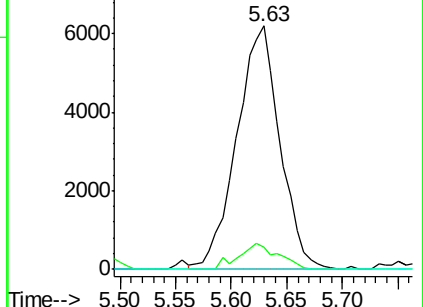
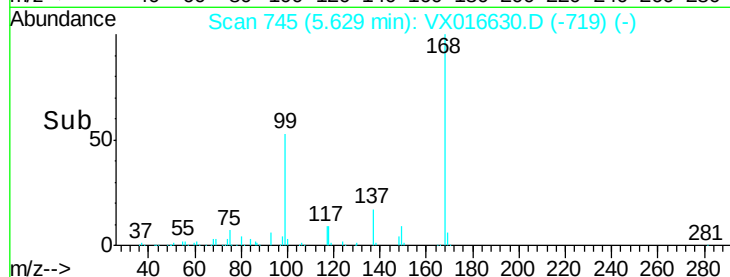
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016630.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016630.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016630.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 6.02 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

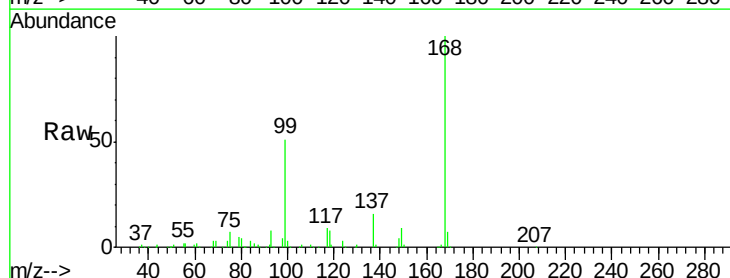
Tgt Ion: 117 Resp: 22270

Ion Ratio Lower Upper

117 100

119 6.1 76.3 114.5#

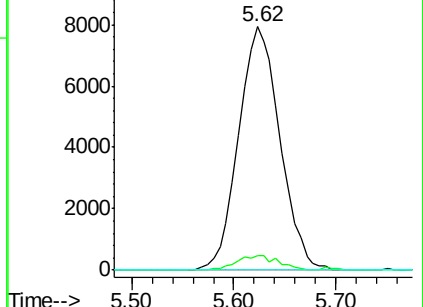
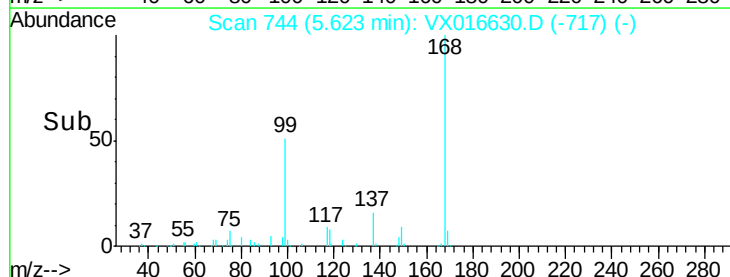
121 0.0 24.6 37.0#

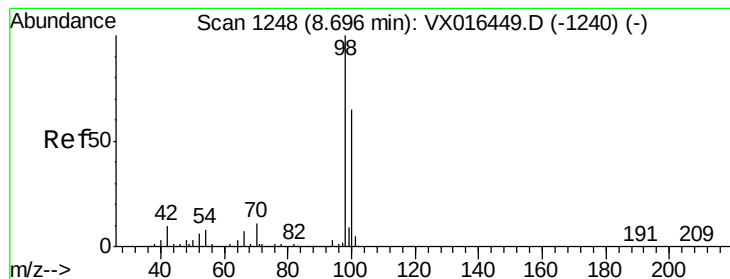


Abundance Ion 116.80 (116.50 to 117.50): VX016630.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016630.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016630.D (-717) (-)





#50

Toluene-d8

Concen: 51.82 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

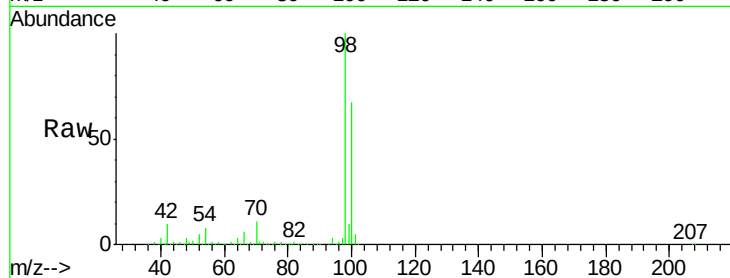
TB-20200604

Tgt Ion: 98 Resp: 461918

Ion Ratio Lower Upper

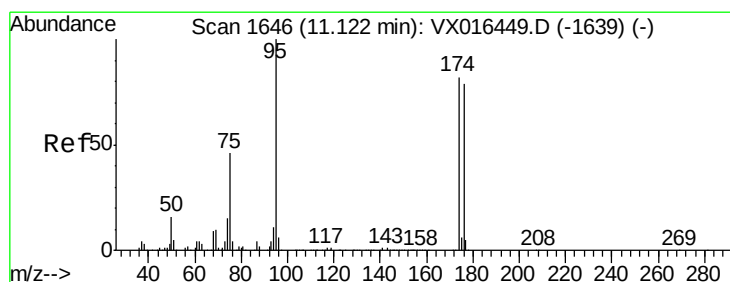
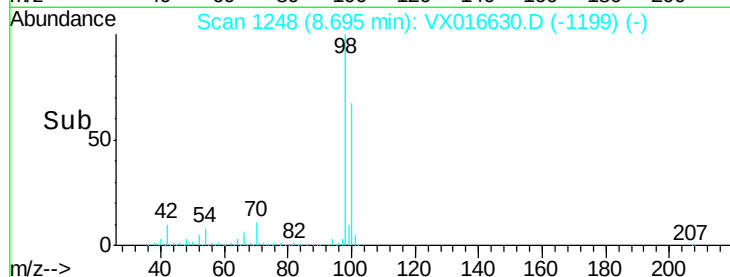
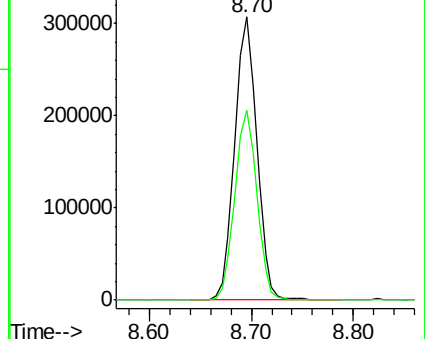
98 100

100 66.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.30 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

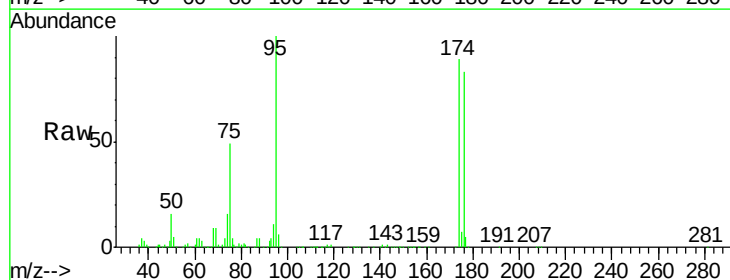
Tgt Ion: 95 Resp: 183590

Ion Ratio Lower Upper

95 100

174 84.5 0.0 163.0

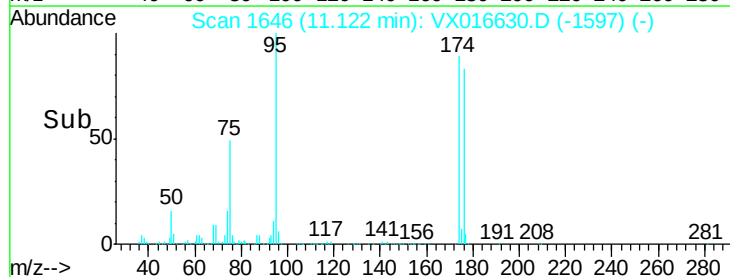
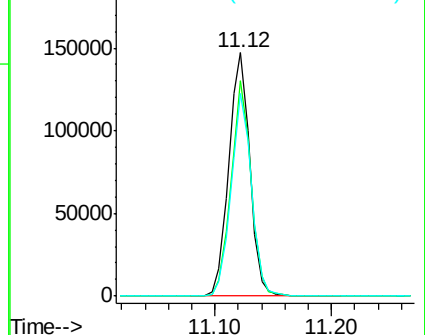
176 81.3 0.0 156.8

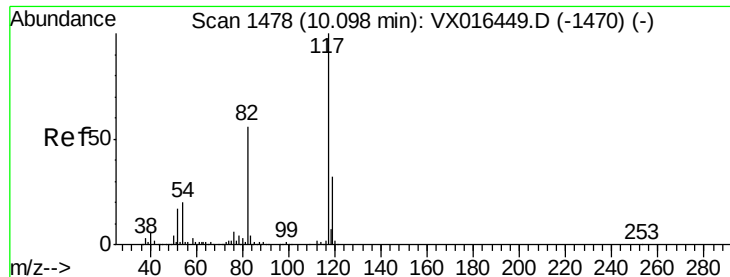


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

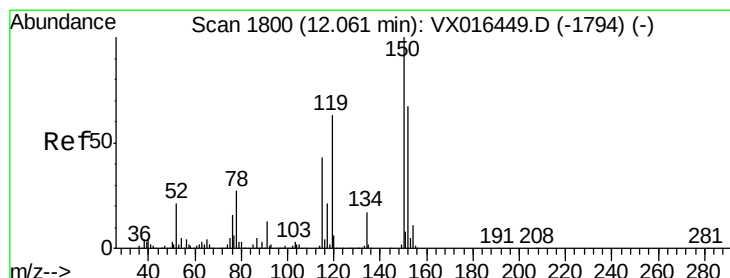
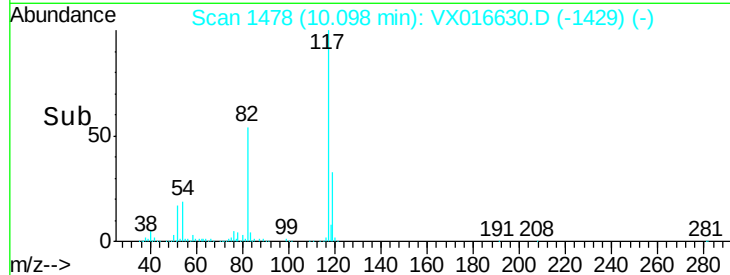
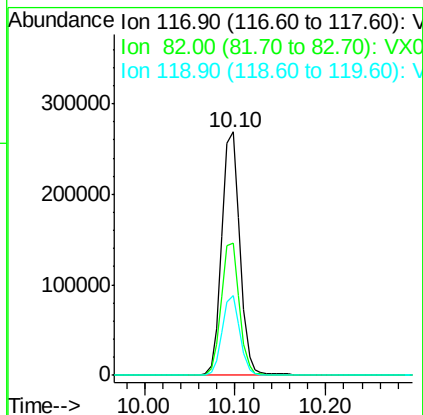
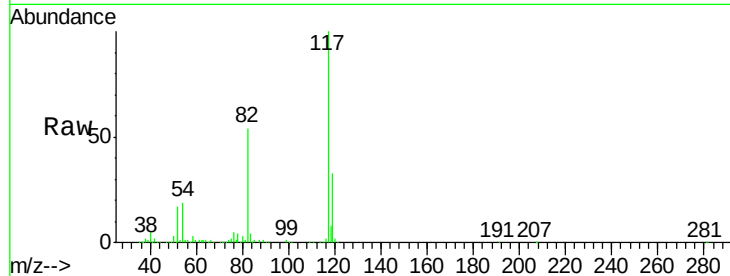




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016630.D
Acq: 08 Jun 2020 12:05

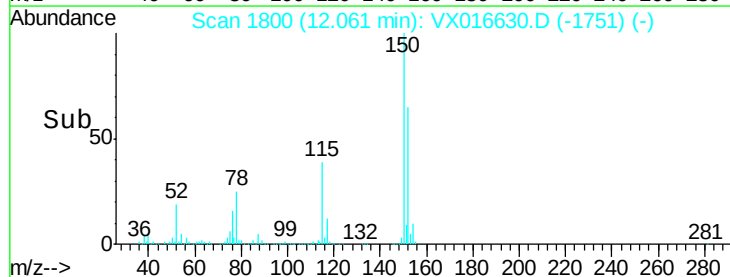
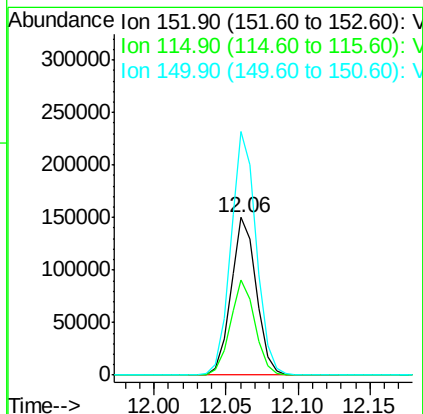
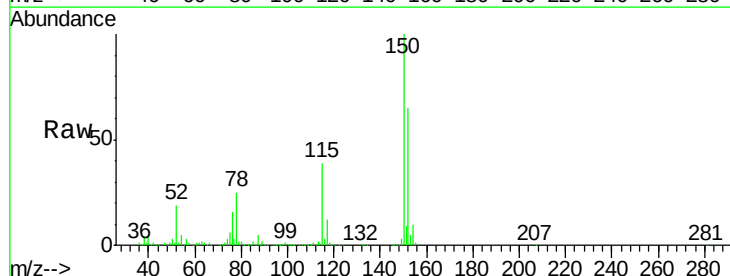
Instrument :
MSVOA_X
ClientSampleId :
TB-20200604

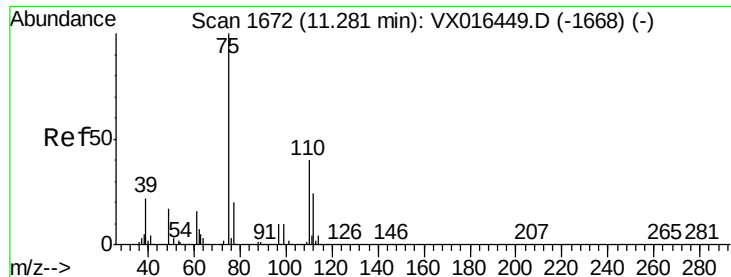
Tgt Ion:117 Resp: 376595
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.6
119 33.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016630.D
Acq: 08 Jun 2020 12:05

Tgt Ion:152 Resp: 185278
Ion Ratio Lower Upper
152 100
115 58.6 39.9 119.6
150 154.5 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.64 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

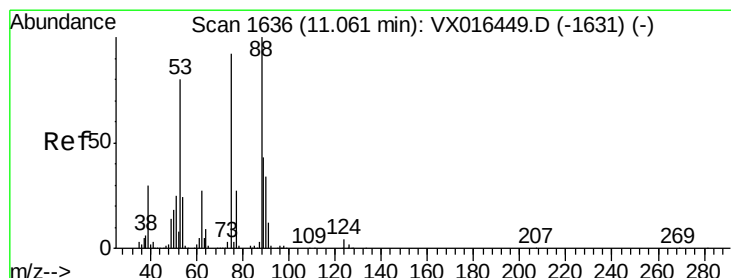
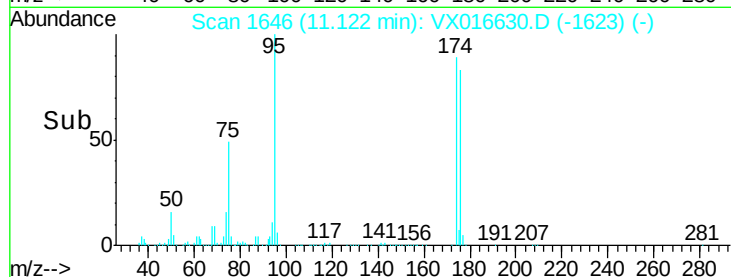
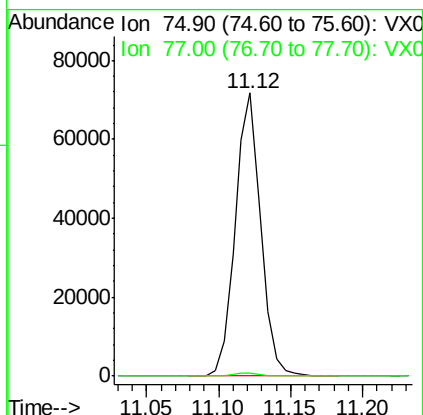
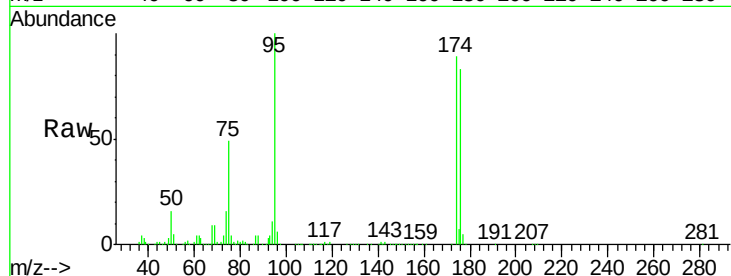
TB-20200604

Tgt Ion: 75 Resp: 88109

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.22 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016630.D

Acq: 08 Jun 2020 12:05

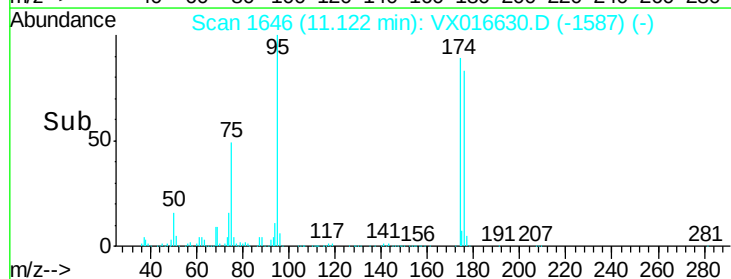
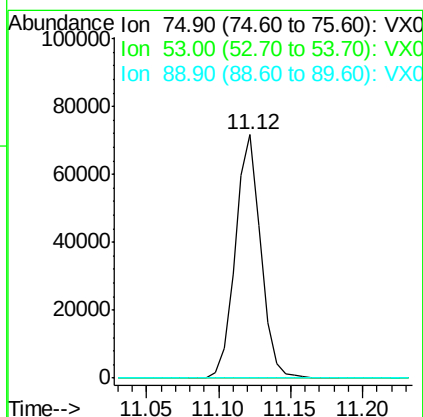
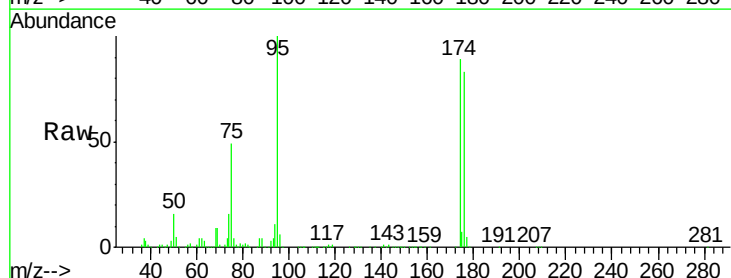
Tgt Ion: 75 Resp: 88109

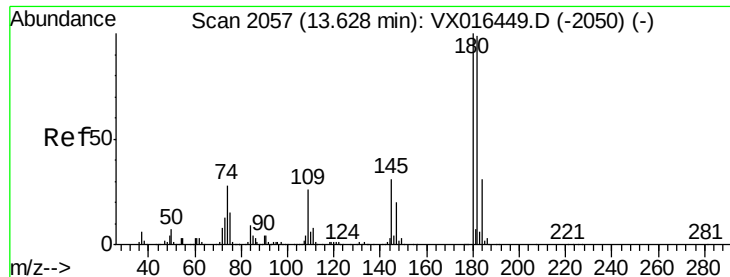
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

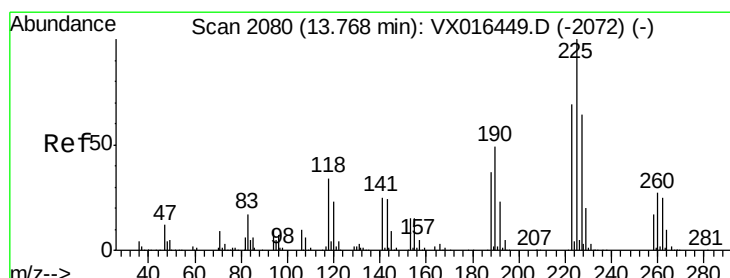
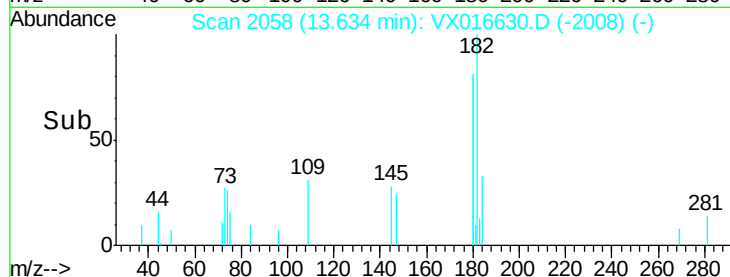
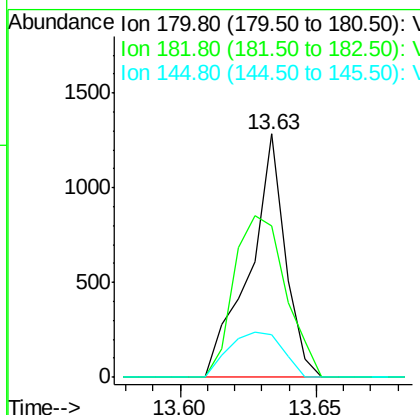
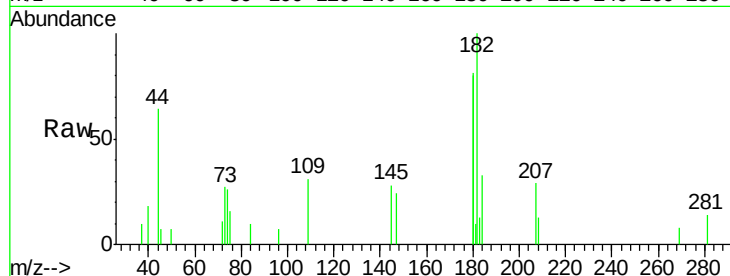




#93
 1,2,4-Trichlorobenzene
 Concen: 0.31 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016630.D
 Acq: 08 Jun 2020 12:05

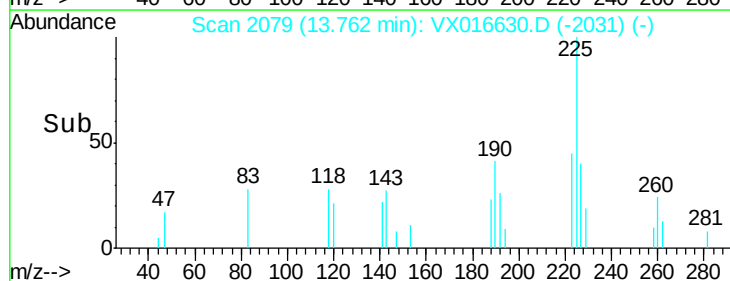
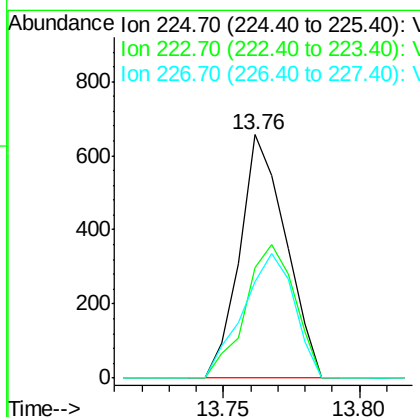
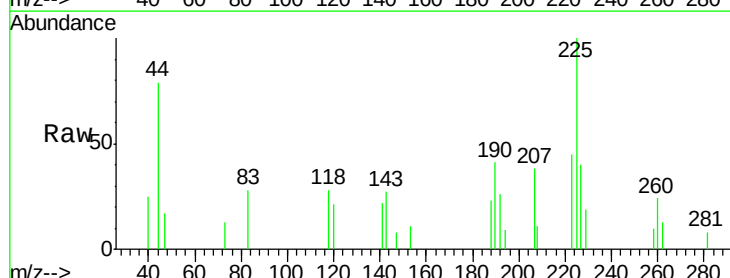
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20200604

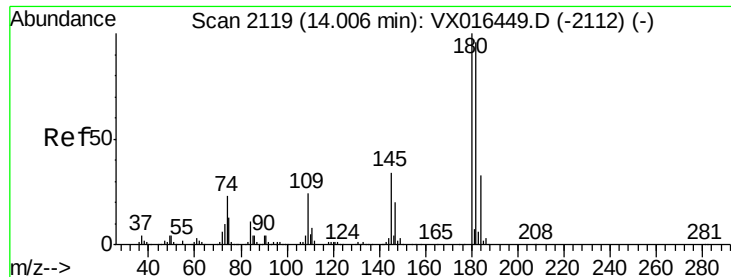
Tgt Ion:180 Resp: 1169
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.3 144.8
 145 28.1 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.52 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016630.D
 Acq: 08 Jun 2020 12:05

Tgt Ion:225 Resp: 767
 Ion Ratio Lower Upper
 225 100
 223 59.1 32.3 96.8
 227 57.0 31.6 94.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016630.D
 Acq: 08 Jun 2020 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20200604

Tgt Ion:180 Resp: 994
 Ion Ratio Lower Upper
 180 100
 182 101.4 48.6 145.8
 145 33.9 16.6 49.8

