

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060220\
 Data File : VX016552.D
 Acq On : 02 Jun 2020 13:26
 Operator : JC/SP
 Sample : L2499-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20200601

Quant Time: Jun 03 04:07:56 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	5.64	168	339434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	557663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	553950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	292725	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	197487	46.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.70%	
35) Dibromofluoromethane	5.46	113	161159	46.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.86%	
50) Toluene-d8	8.70	98	685104	51.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.12	95	281705	54.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.10%	

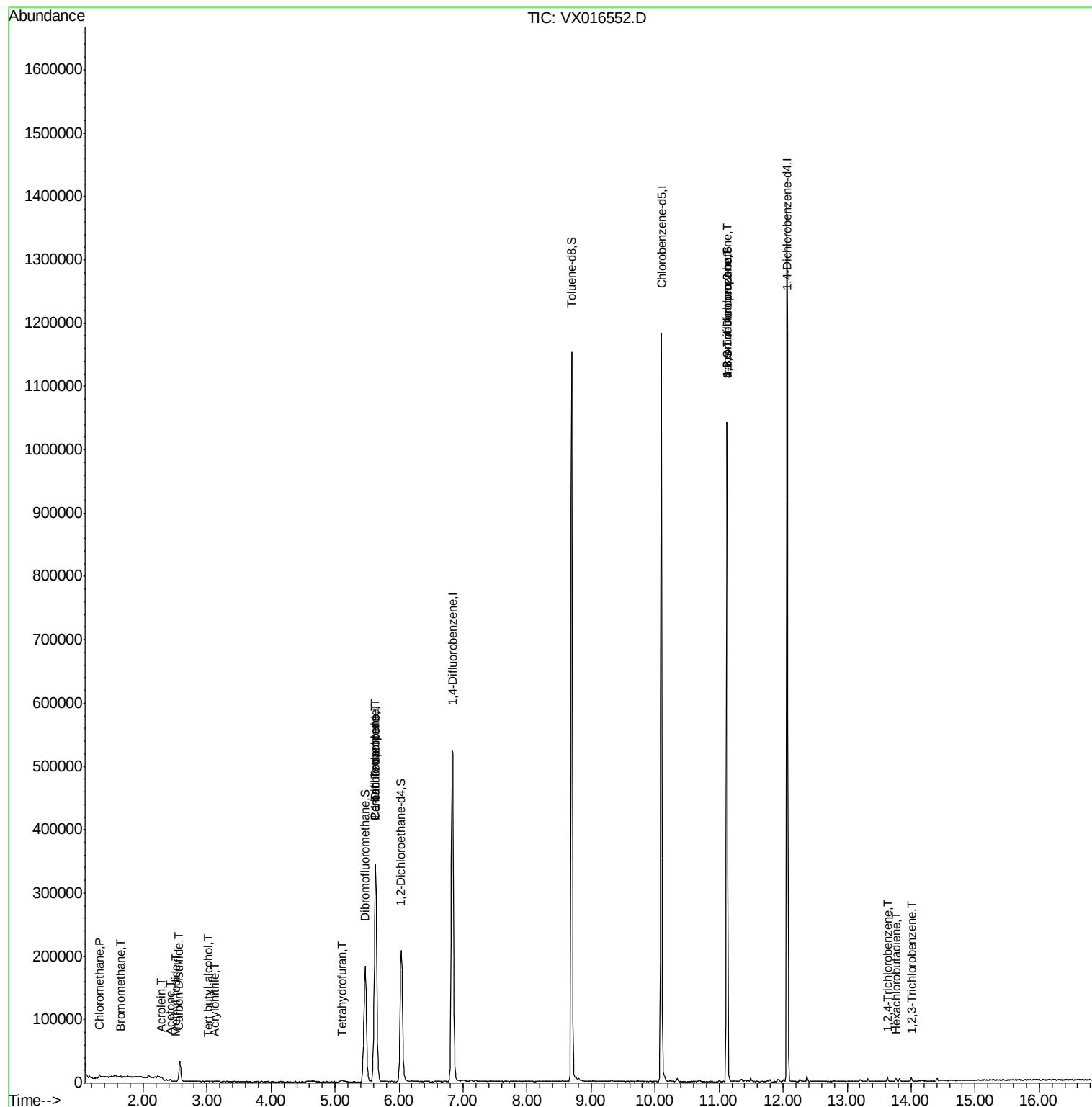
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2861	0.709	ug/l	89
5) Bromomethane	1.64	94	726	0.350	ug/l #	55
10) Methyl Iodide	2.50	142	522	3.188	ug/l #	86
11) Tert butyl alcohol	3.01	59	271	0.251	ug/l	98
13) Acrolein	2.28	56	962	2.092	ug/l #	34
15) Acrylonitrile	3.12	53	598	0.270	ug/l #	78
16) Acetone	2.42	43	3153	1.707	ug/l	98
17) Carbon Disulfide	2.55	76	3376	0.348	ug/l #	82
29) Tetrahydrofuran	5.12	42	2259	1.117	ug/l	92
36) 1,1-Dichloropropene	5.63	75	24361	4.614	ug/l #	50
38) Carbon Tetrachloride	5.64	117	32343	5.829	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	136268	21.179	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	136268	52.096	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1732	0.292	ug/l	92
94) Hexachlorobutadiene	13.77	225	636	0.273	ug/l	79
96) 1,2,3-Trichlorobenzene	14.01	180	1425	0.245	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

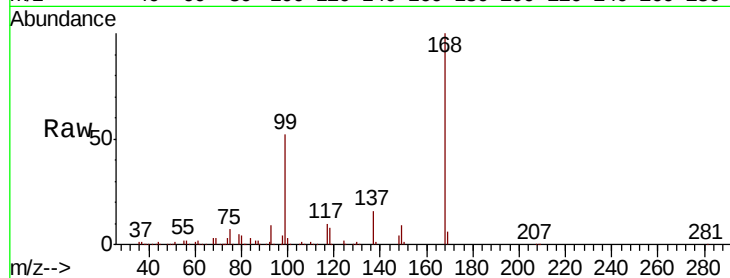
TT-TB-20200601

Tot Ion:168 Resp: 339434

Ion Ratio Lower Upper

168 100

99 52.0 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

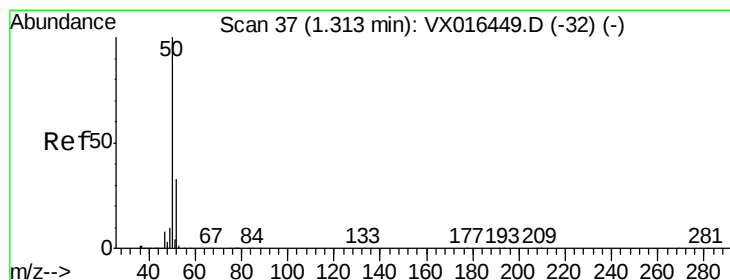
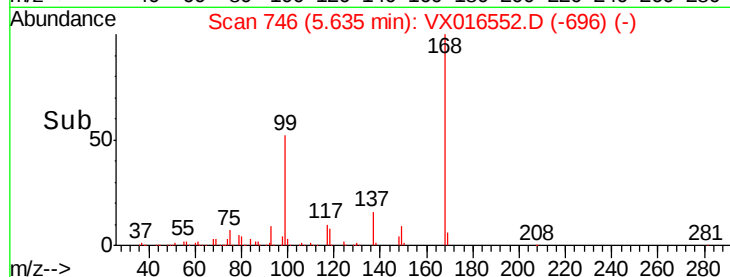
5.64

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.709 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016552.D

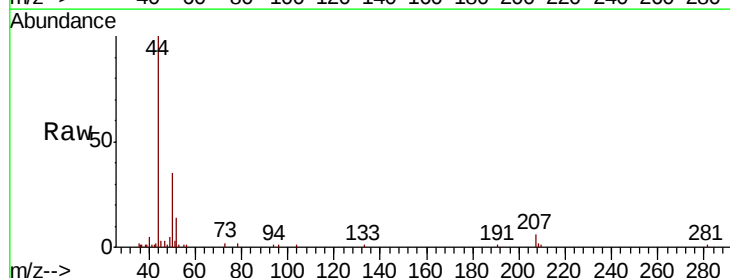
Acq: 02 Jun 2020 13:26

Tgt Ion: 50 Resp: 2861

Ion Ratio Lower Upper

50 100

52 38.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

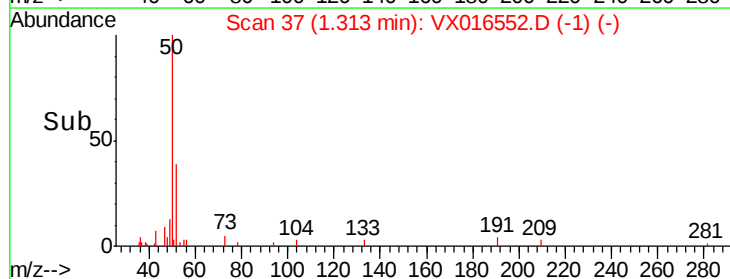
1500

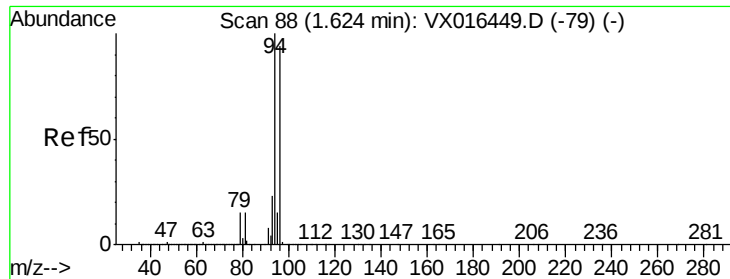
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.350 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

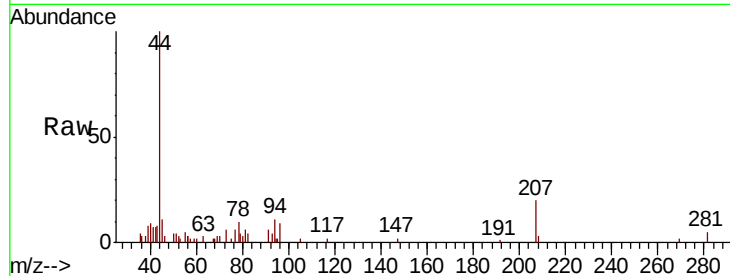
TT-TB-20200601

Tot Ion: 94 Resp: 726

Ion Ratio Lower Upper

94 100

96 50.4 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

400

300

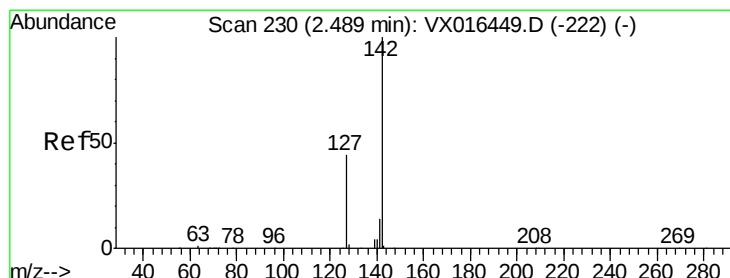
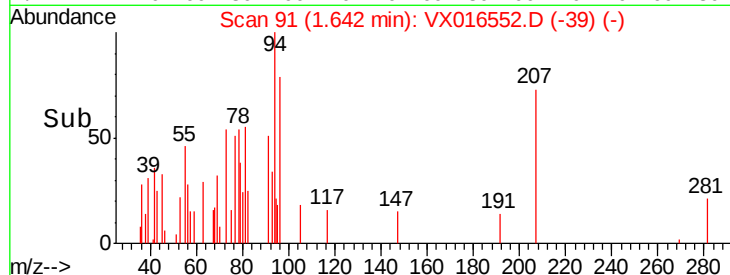
200

100

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 3.188 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

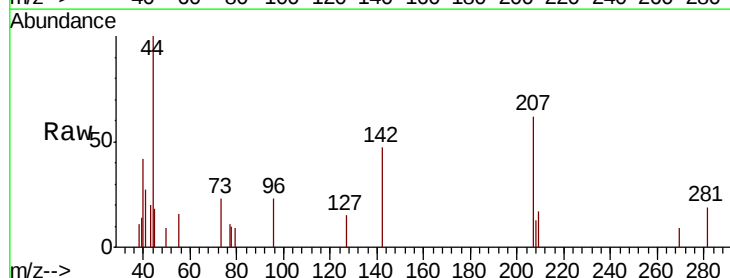
Tgt Ion:142 Resp: 522

Ion Ratio Lower Upper

142 100

127 50.6 35.3 52.9

141 4.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

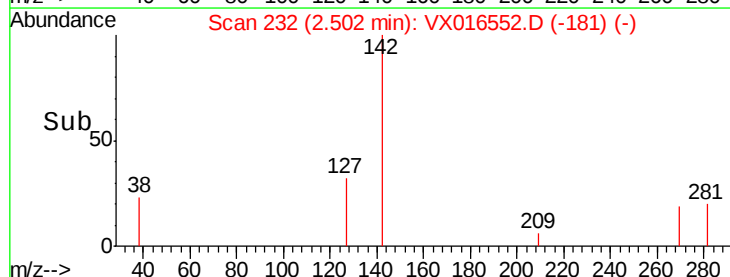
200

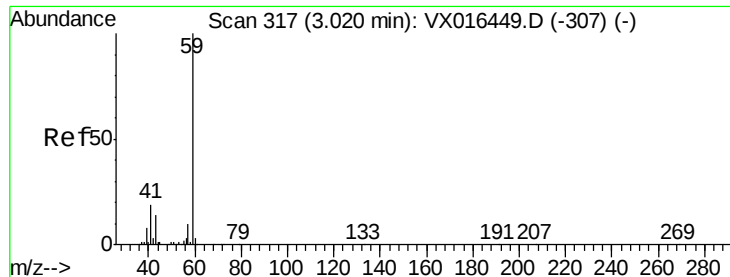
100

0

2.45 2.50 2.55

Time-->



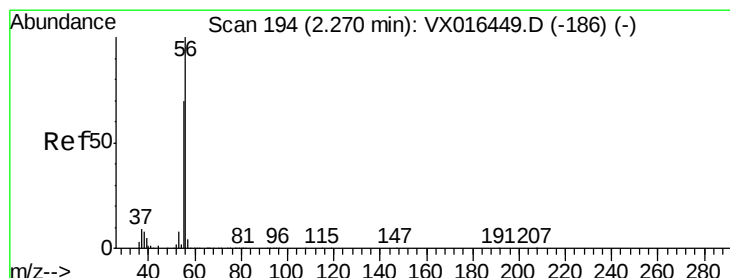
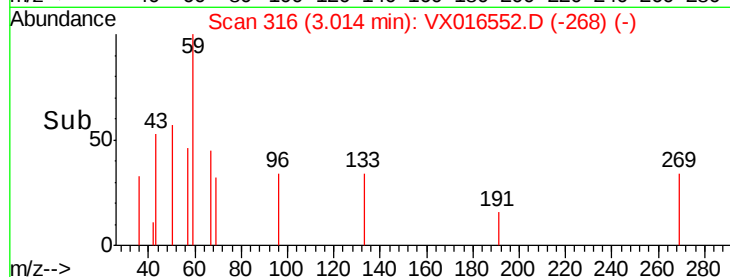
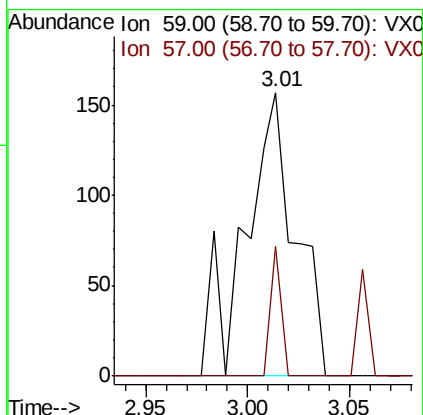
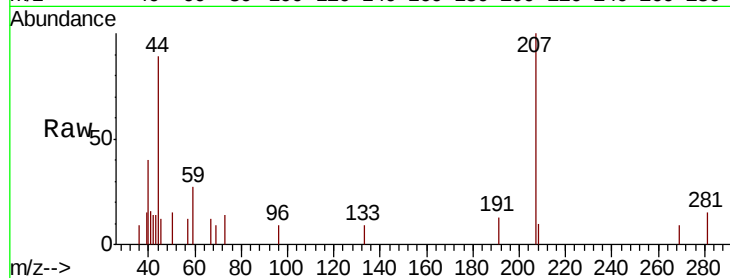


#11

Tert butyl alcohol
 Concen: 0.251 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016552.D
 Acq: 02 Jun 2020 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20200601

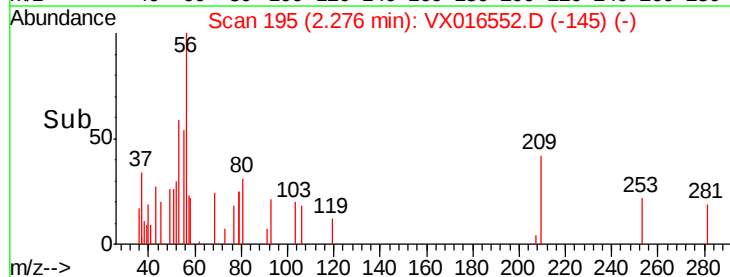
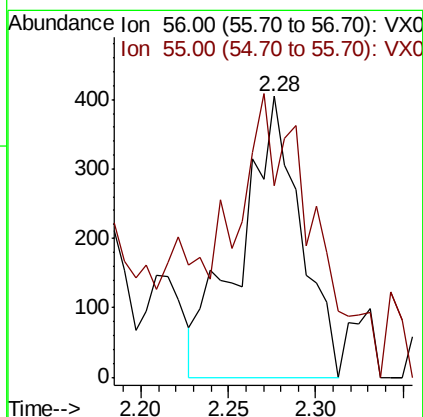
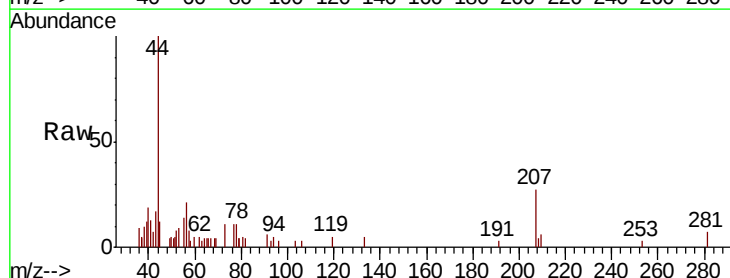
Tot Ion: 59 Resp: 271
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.2 12.4

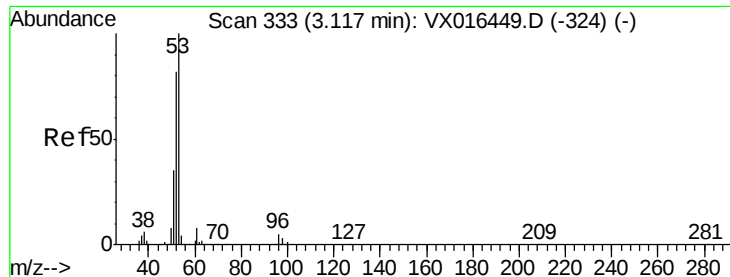


#13

Acrolein
 Concen: 2.092 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX016552.D
 Acq: 02 Jun 2020 13:26

Tgt Ion: 56 Resp: 962
 Ion Ratio Lower Upper
 56 100
 55 127.9 58.3 87.5#





#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20200601

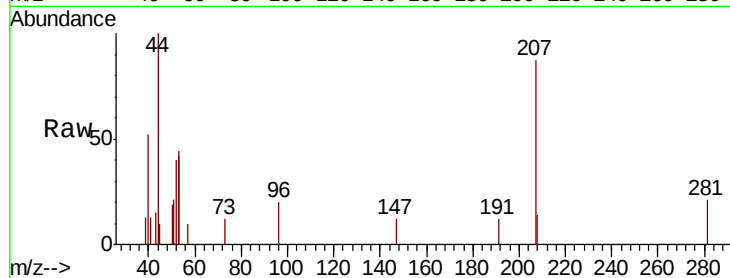
Tot Ion: 53 Resp: 598

Ion Ratio Lower Upper

53 100

52 102.8 66.7 100.1#

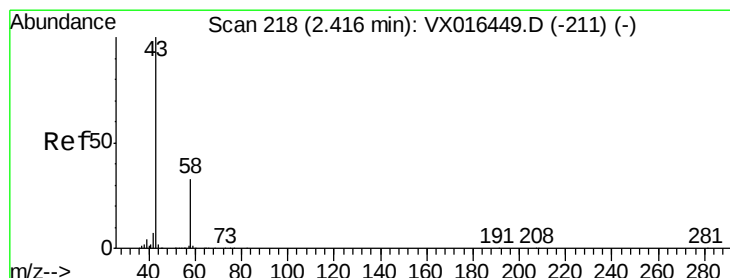
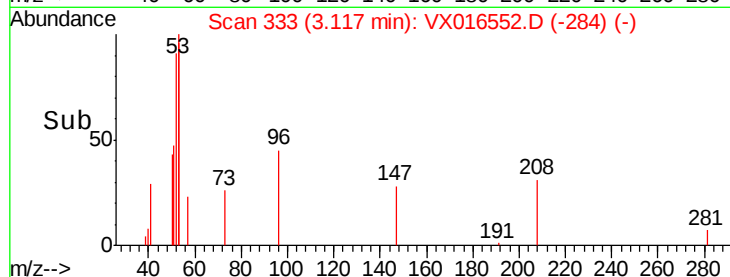
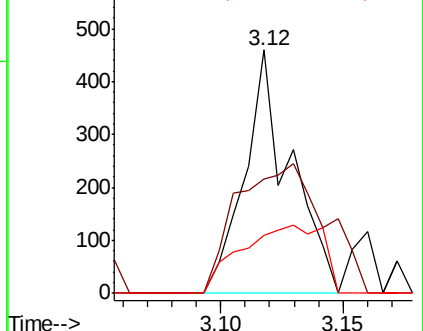
51 49.8 28.6 43.0#



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



#16

Acetone

Concen: 1.707 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016552.D

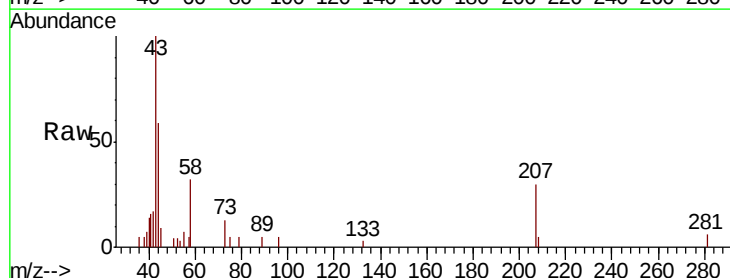
Acq: 02 Jun 2020 13:26

Tgt Ion: 43 Resp: 3153

Ion Ratio Lower Upper

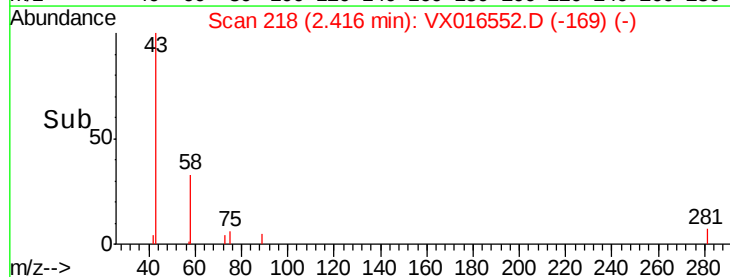
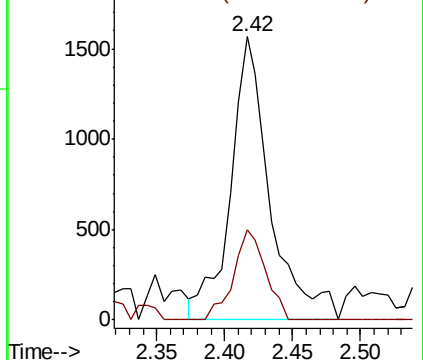
43 100

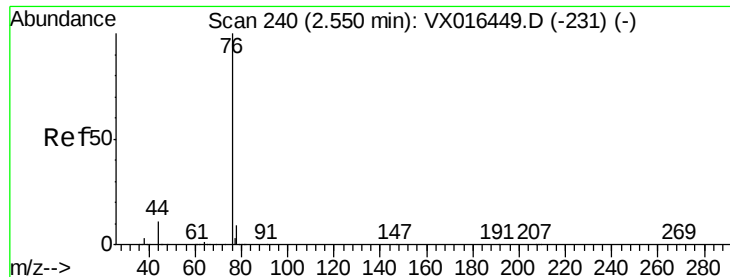
58 31.6 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.348 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

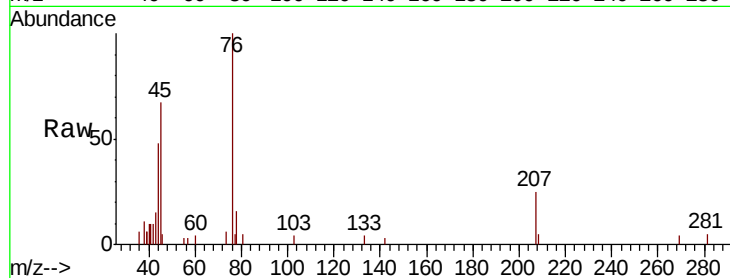
TT-TB-20200601

Tot Ion: 76 Resp: 3376

Ion Ratio Lower Upper

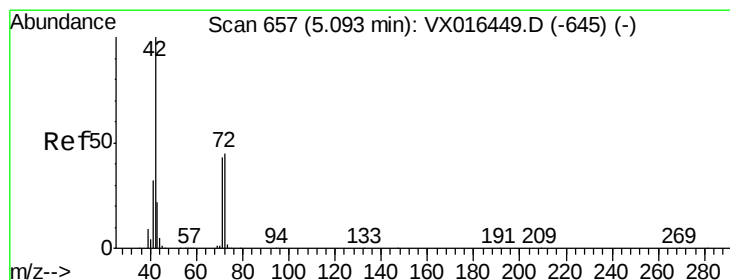
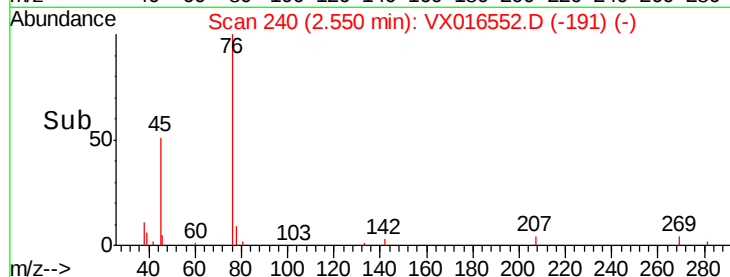
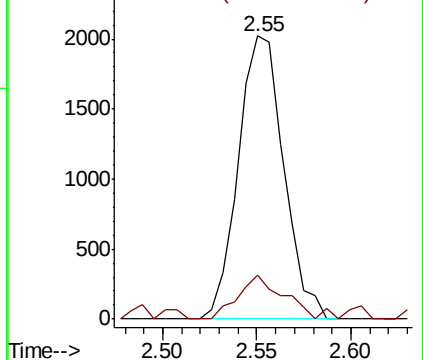
76 100

78 15.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#29

Tetrahydrofuran

Concen: 1.117 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

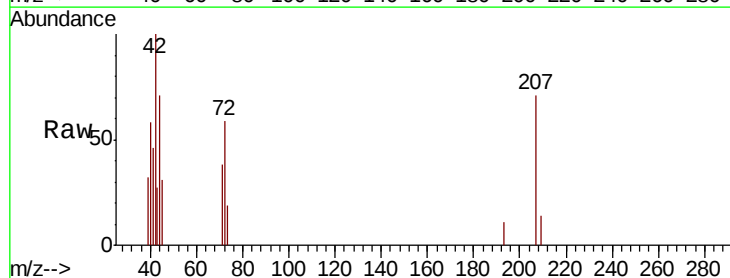
Tgt Ion: 42 Resp: 2259

Ion Ratio Lower Upper

42 100

72 42.5 37.0 55.4

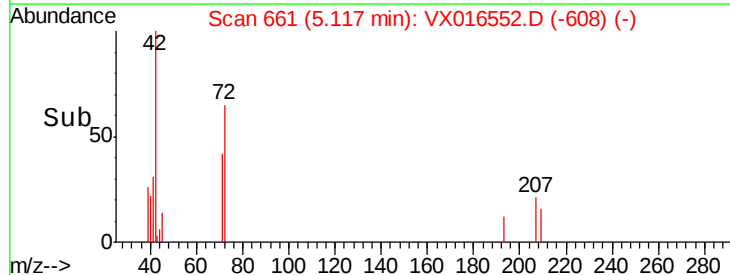
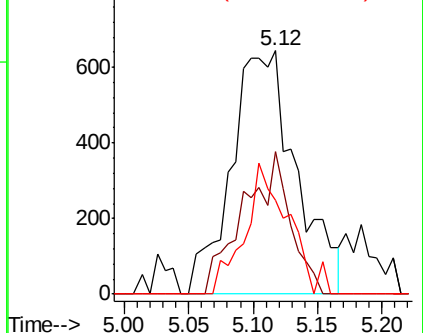
71 36.0 34.1 51.1

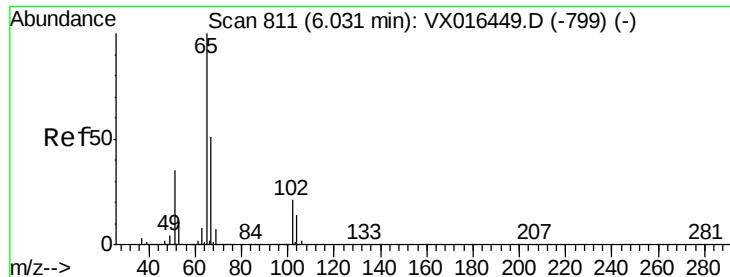


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.850 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

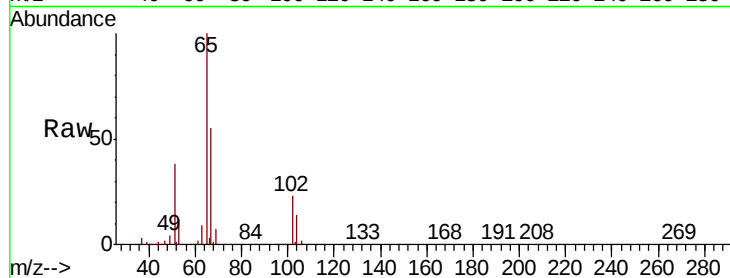
TT-TB-20200601

Tot Ion: 65 Resp: 197487

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

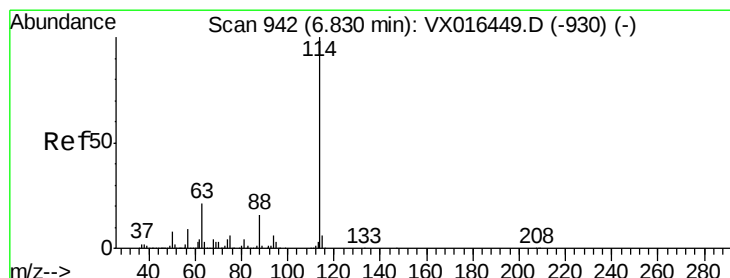
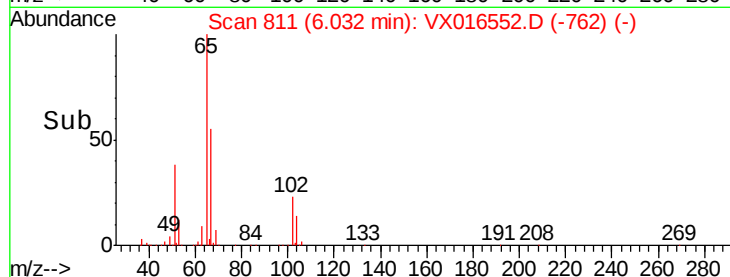
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

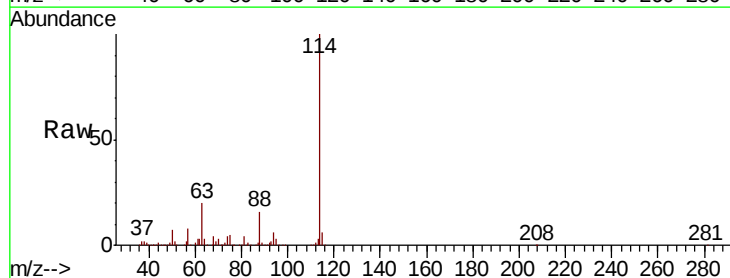
Tgt Ion: 114 Resp: 557663

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 15.7 0.0 32.8



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

6.84

300000

250000

200000

150000

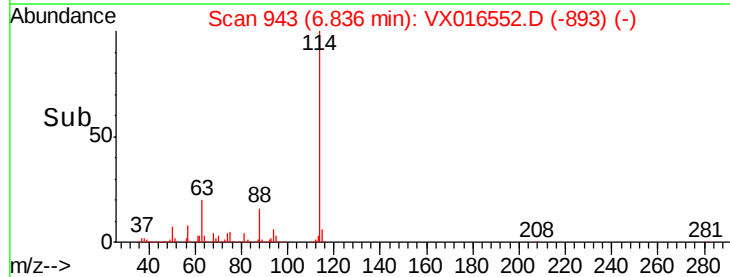
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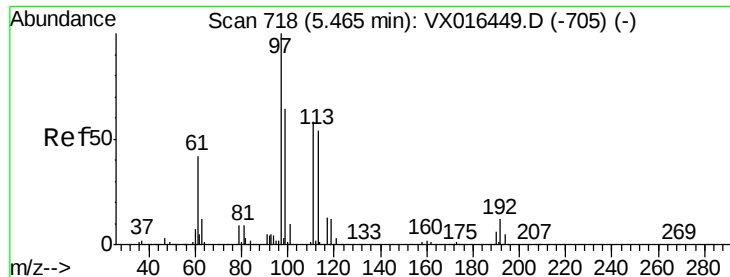
50000

0

6.70 6.80 6.90 7.00

Time-->

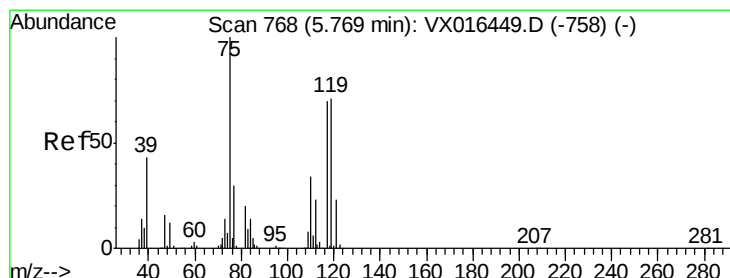
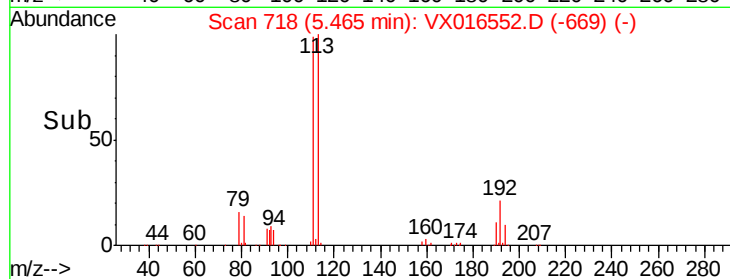
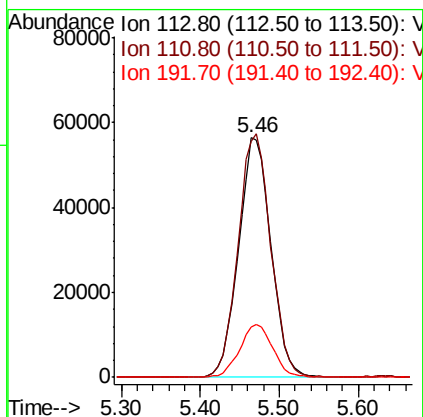
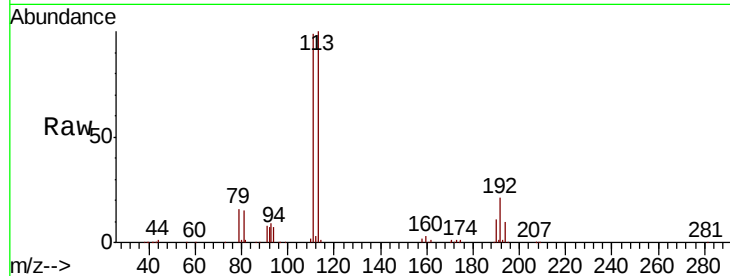




#35
 Dibromofluoromethane
 Concen: 46.933 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX016552.D
 Acq: 02 Jun 2020 13:26

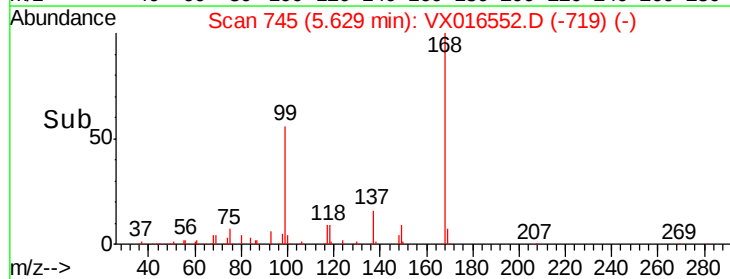
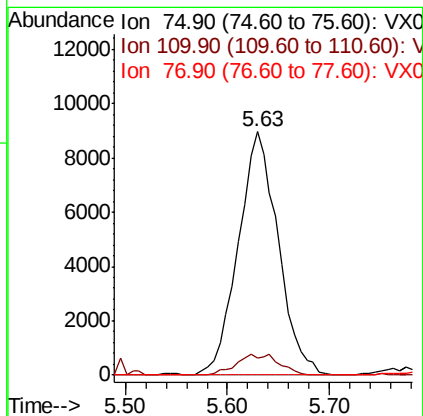
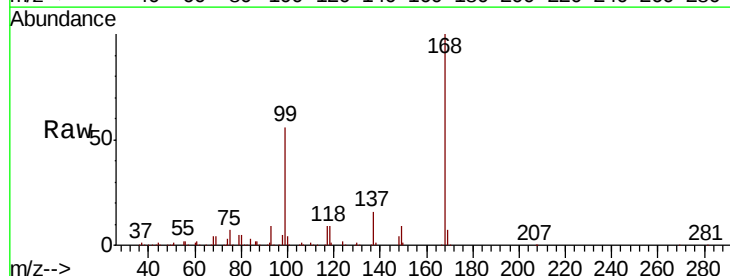
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20200601

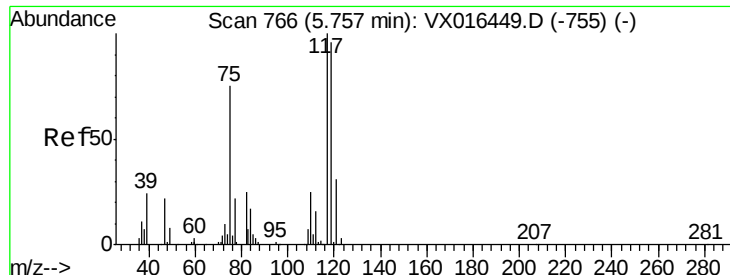
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.6
192	22.4	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.614 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016552.D
 Acq: 02 Jun 2020 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20200601

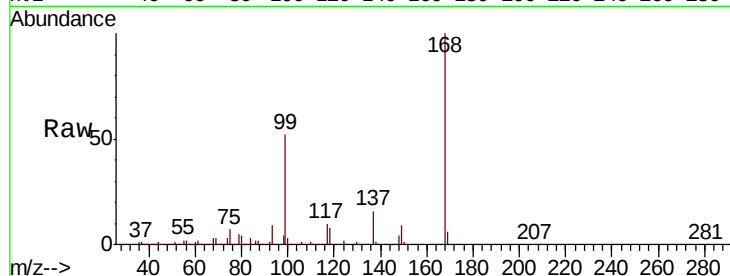
Tot Ion:117 Resp: 32343

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

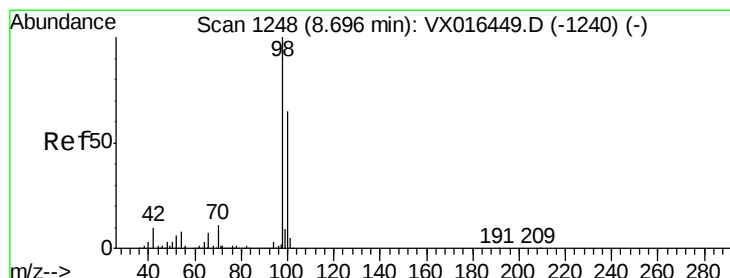
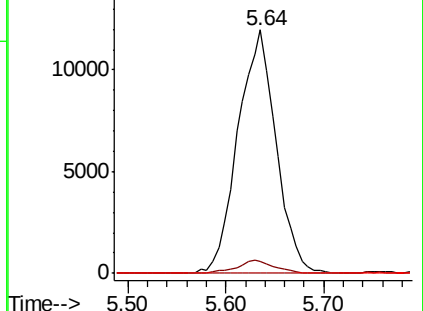
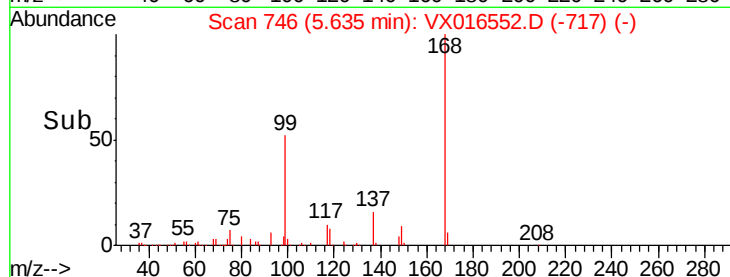
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 51.261 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016552.D

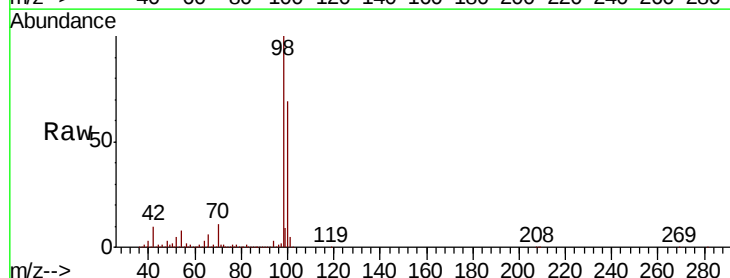
Acq: 02 Jun 2020 13:26

Tgt Ion: 98 Resp: 685104

Ion Ratio Lower Upper

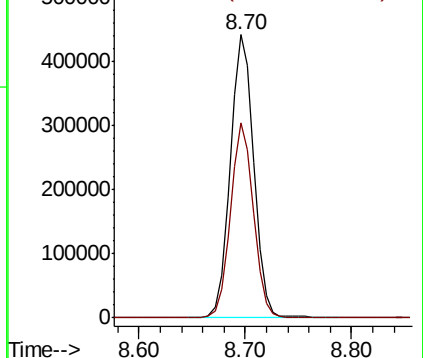
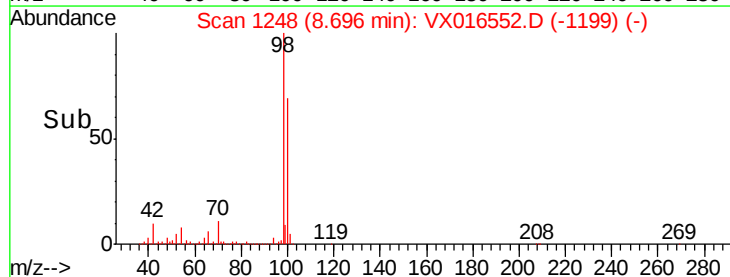
98 100

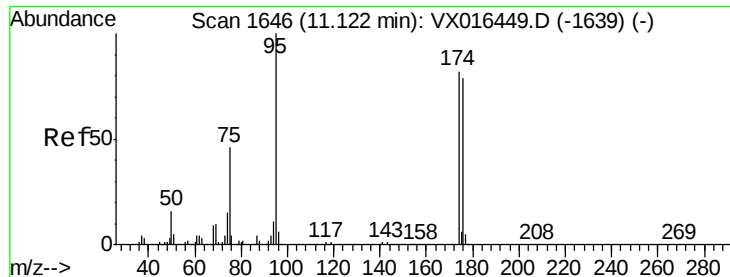
100 67.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

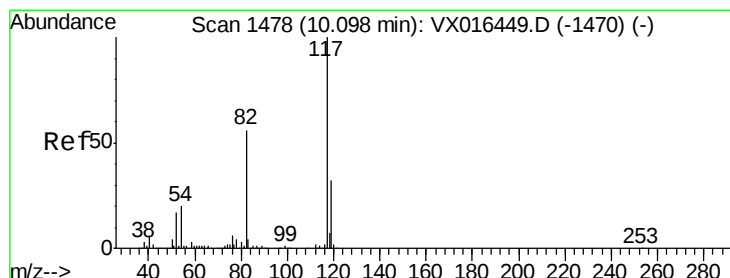
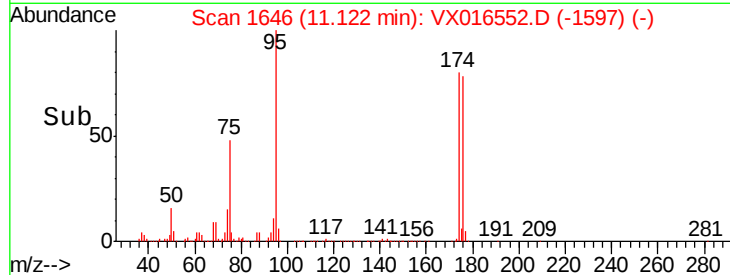
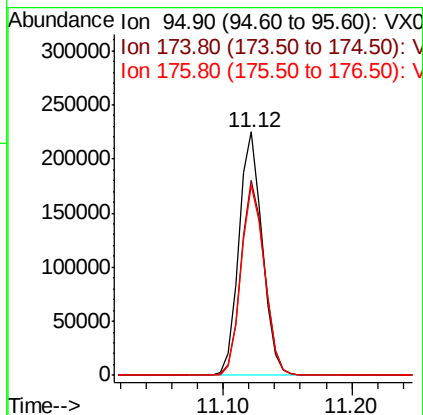
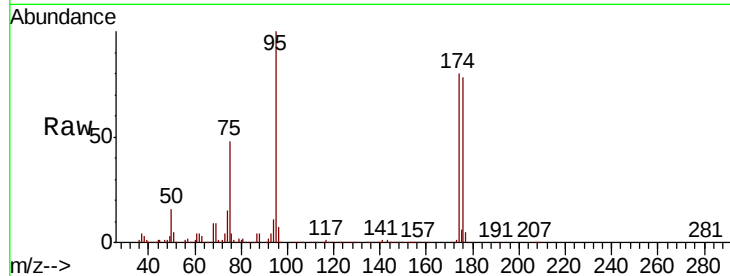




#62
4-Bromofluorobenzene
Concen: 54.549 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016552.D
Acq: 02 Jun 2020 13:26

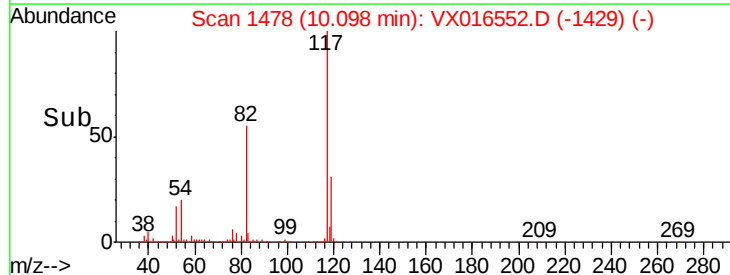
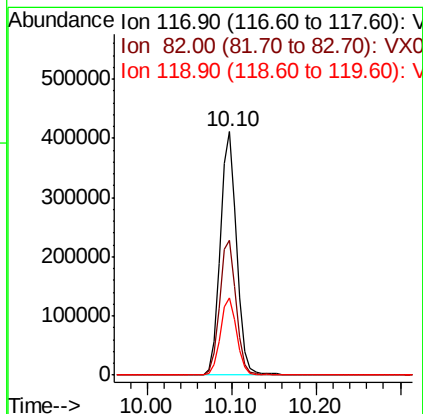
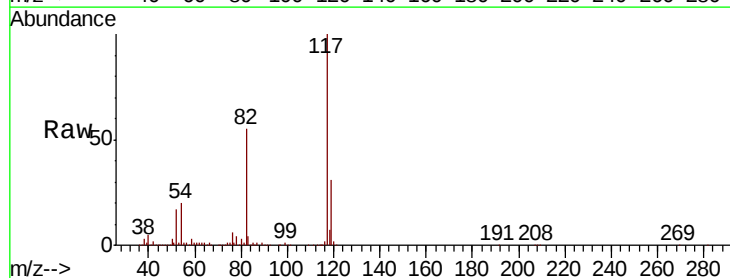
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20200601

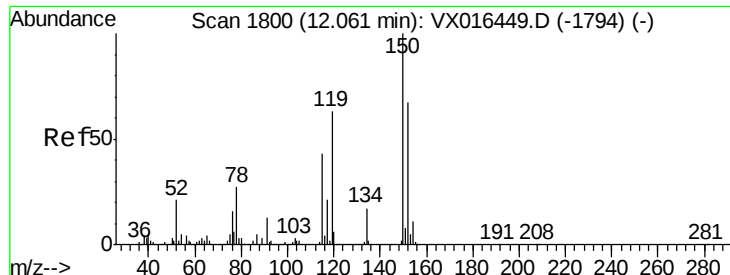
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	163.0
176	78.4	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016552.D
Acq: 02 Jun 2020 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.0	67.6
119	31.5	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016552.D

Acq: 02 Jun 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20200601

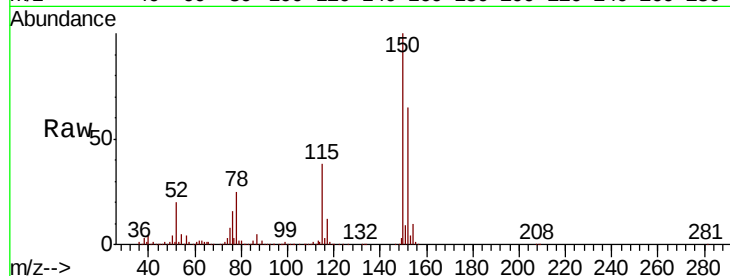
Tot Ion:152 Resp: 292725

Ion Ratio Lower Upper

152 100

115 57.3 39.9 119.6

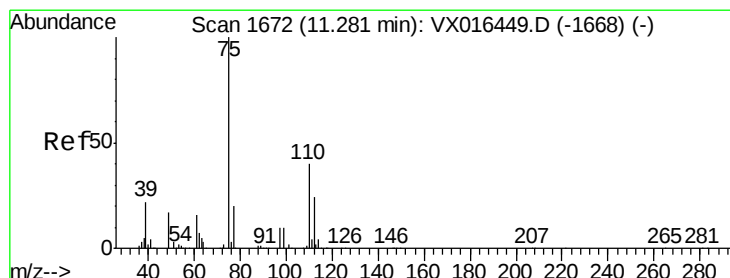
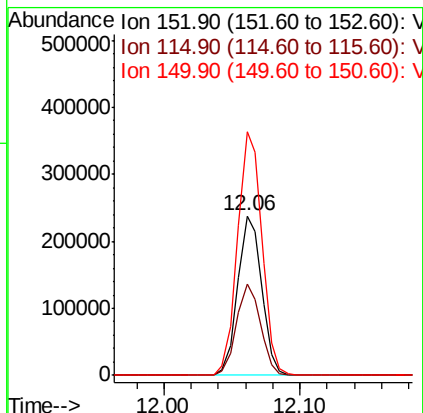
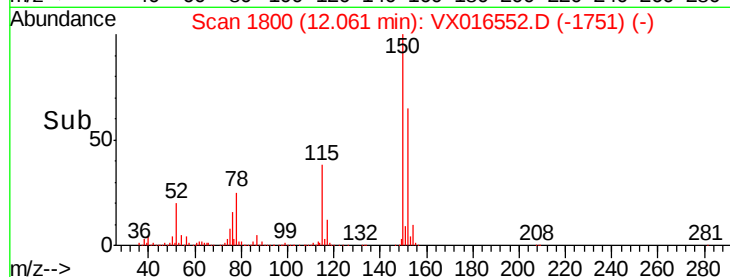
150 154.7 0.0 341.0



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: 21.179 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016552.D

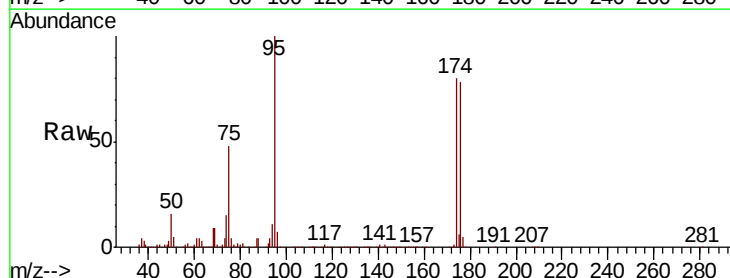
Acq: 02 Jun 2020 13:26

Tgt Ion: 75 Resp: 136268

Ion Ratio Lower Upper

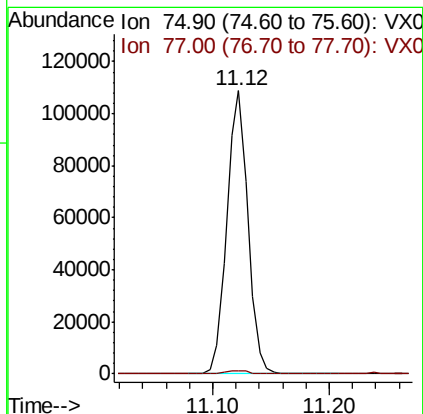
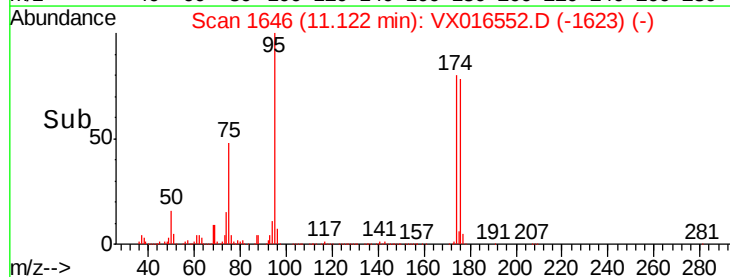
75 100

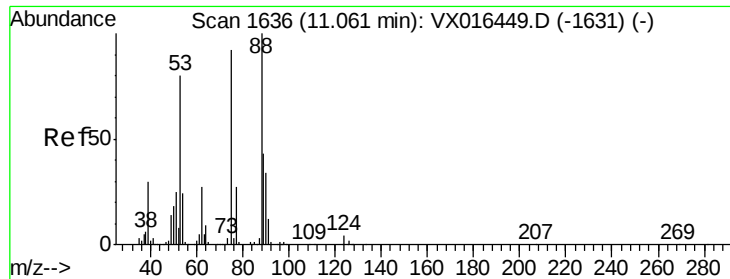
77 1.4 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

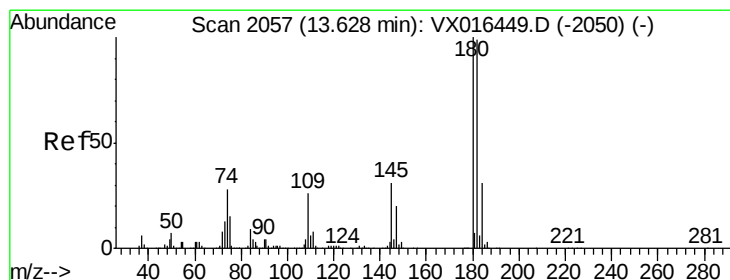
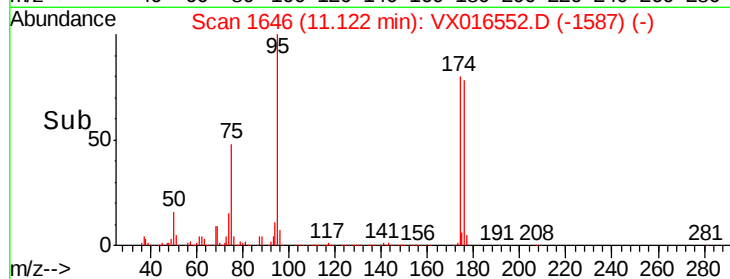
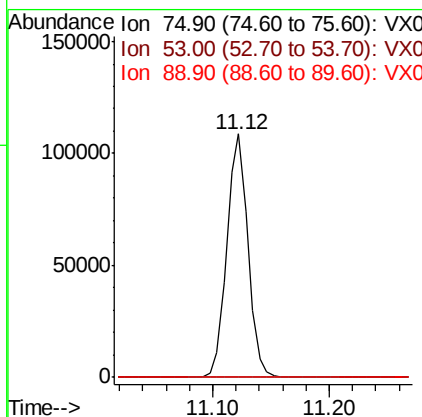
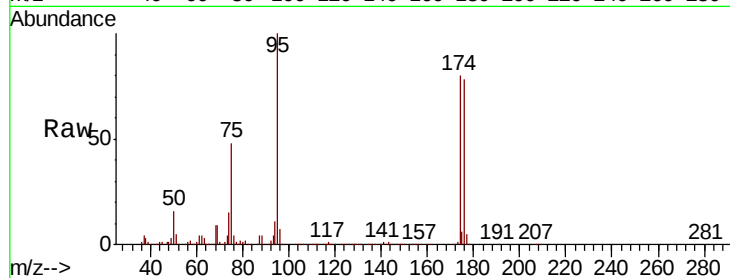




#81
trans-1,4-Dichloro-2-butene
Concen: 52.096 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016552.D
Acq: 02 Jun 2020 13:26

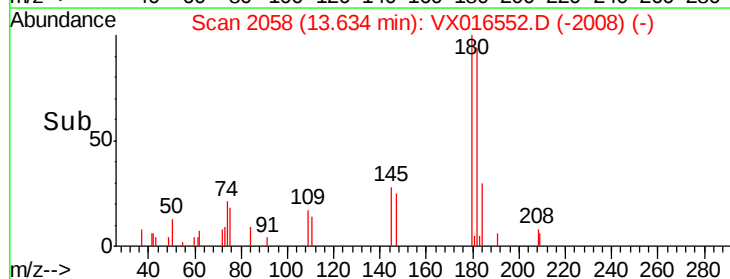
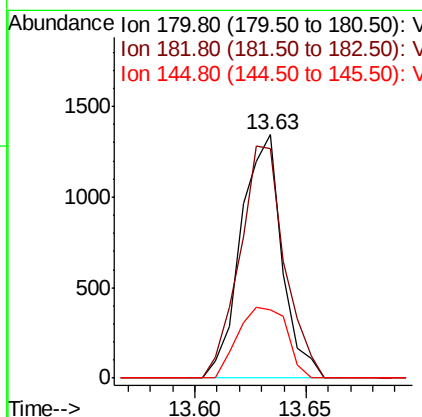
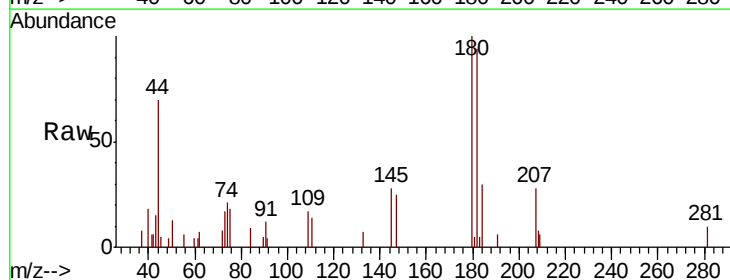
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20200601

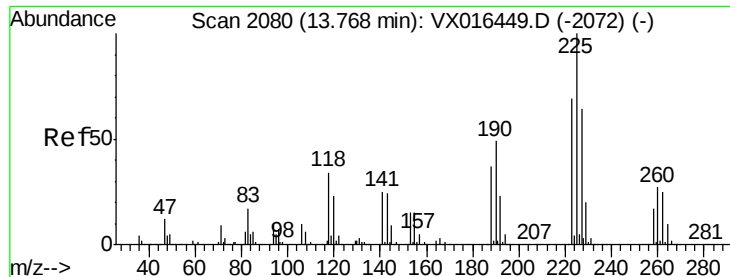
Tot Ion: 75 Resp: 136268
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.1 36.6 55.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.292 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX016552.D
Acq: 02 Jun 2020 13:26

Tgt Ion: 180 Resp: 1732
Ion Ratio Lower Upper
180 100
182 104.2 48.3 144.8
145 34.4 15.4 46.2

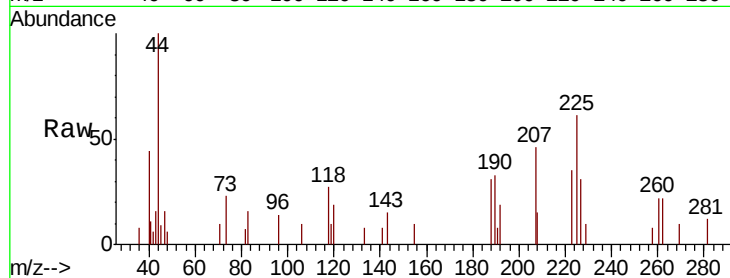




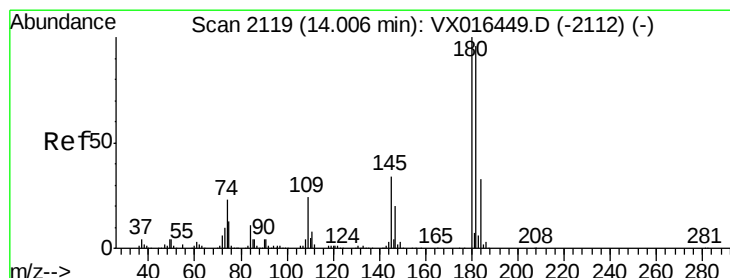
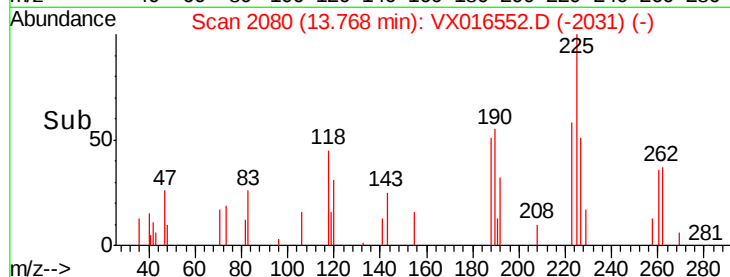
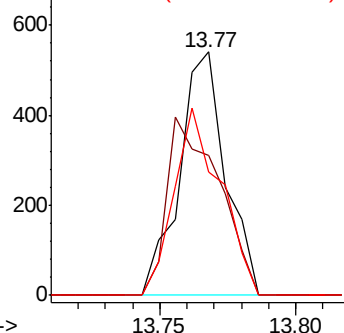
#94
Hexachlorobutadiene
Concen: 0.273 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016552.D
Acq: 02 Jun 2020 13:26

Instrument :
MSVOA_X
ClientSampled :
TT-TB-20200601

Tot Ion:225 Resp: 636
Ion Ratio Lower Upper
225 100
223 82.5 32.3 96.8
227 77.5 31.6 94.7

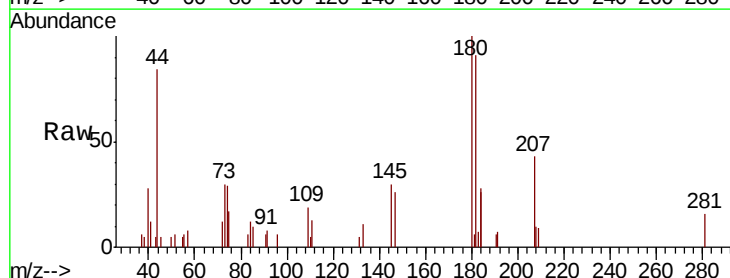


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96
1,2,3-Trichlorobenzene
Concen: 0.245 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX016552.D
Acq: 02 Jun 2020 13:26

Tgt Ion:180 Resp: 1425
Ion Ratio Lower Upper
180 100
182 96.2 48.6 145.8
145 31.3 16.6 49.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

