

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060220\
 Data File : VX016546.D
 Acq On : 02 Jun 2020 10:54
 Operator : JC/SP
 Sample : VX0602WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBL01

Quant Time: Jun 03 04:05:19 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	5.63	168	353473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	561297	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	546395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	260151	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	198367	45.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.38%	
35) Dibromofluoromethane	5.46	113	162813	47.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.22%	
50) Toluene-d8	8.70	98	695653	51.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.12	95	267995	51.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.12%	

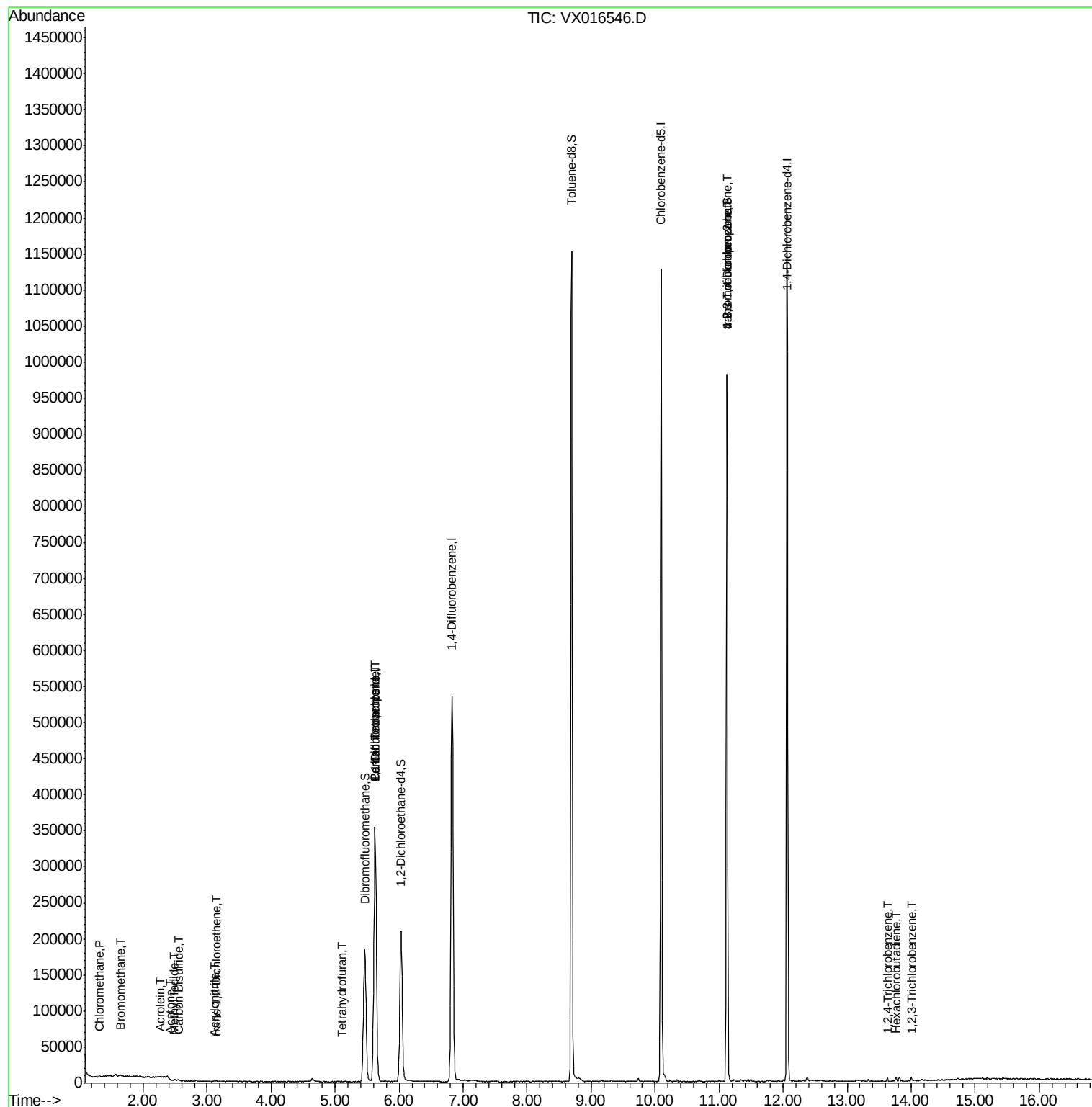
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	983	0.234	ug/l	97
5) Bromomethane	1.64	94	1030	0.477	ug/l	100
10) Methyl Iodide	2.49	142	1738	3.480	ug/l #	97
13) Acrolein	2.27	56	613	1.280	ug/l #	69
15) Acrylonitrile	3.11	53	848	0.368	ug/l #	89
16) Acetone	2.42	43	665	0.346	ug/l #	31
17) Carbon Disulfide	2.55	76	2694	0.267	ug/l #	89
21) trans-1,2-Dichloroethene	3.14	96	817	0.217	ug/l #	38
29) Tetrahydrofuran	5.10	42	739	0.351	ug/l #	56
36) 1,1-Dichloropropene	5.62	75	25797	4.854	ug/l #	51
38) Carbon Tetrachloride	5.63	117	32424	5.806	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	129190	22.593	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	129190	55.574	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1141	0.216	ug/l	89
94) Hexachlorobutadiene	13.76	225	828	0.400	ug/l	94
96) 1,2,3-Trichlorobenzene	14.01	180	1182	0.229	ug/l	95

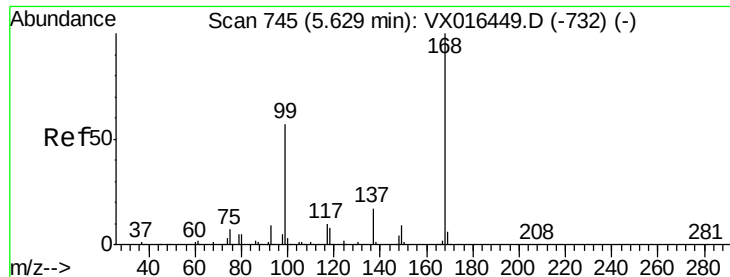
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

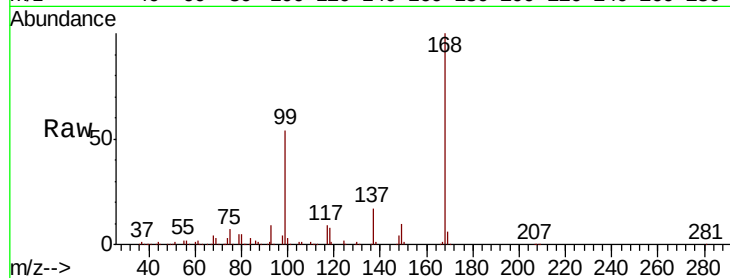
VX0602WBL01

Tot Ion:168 Resp: 353473

Ion Ratio Lower Upper

168 100

99 54.2 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

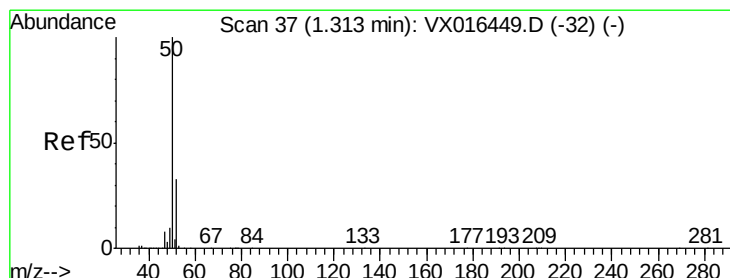
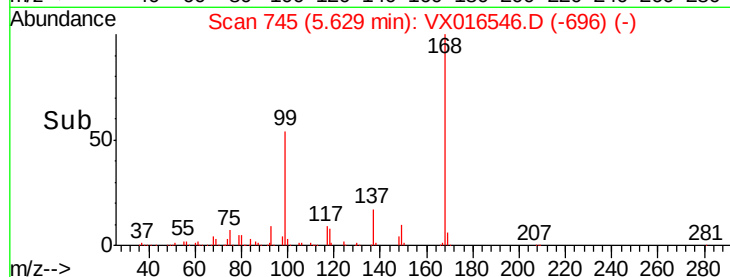
100000

50000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016546.D

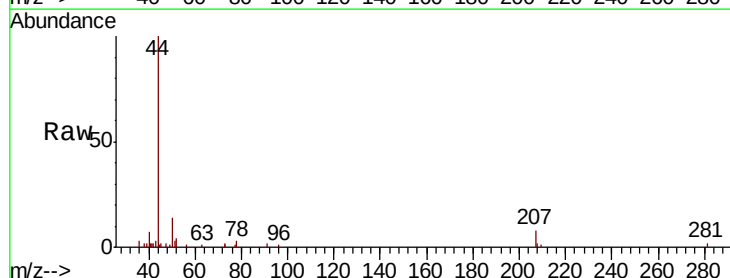
Acq: 02 Jun 2020 10:54

Tgt Ion: 50 Resp: 983

Ion Ratio Lower Upper

50 100

52 31.1 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

800

600

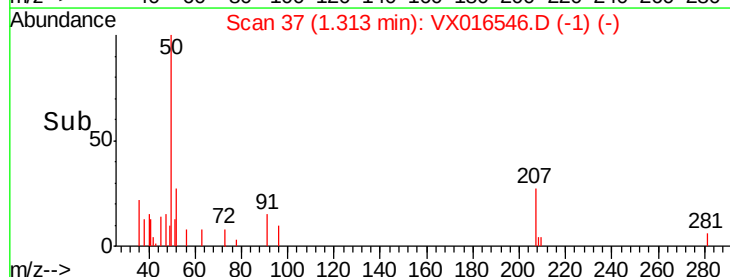
400

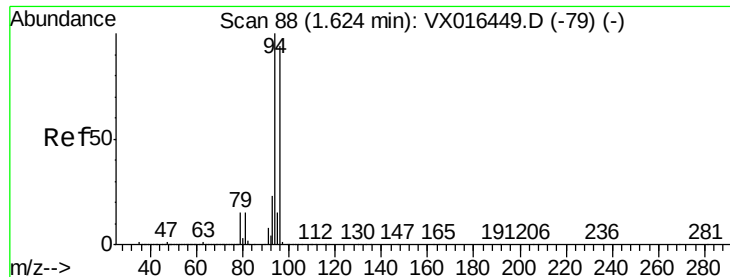
200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.477 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

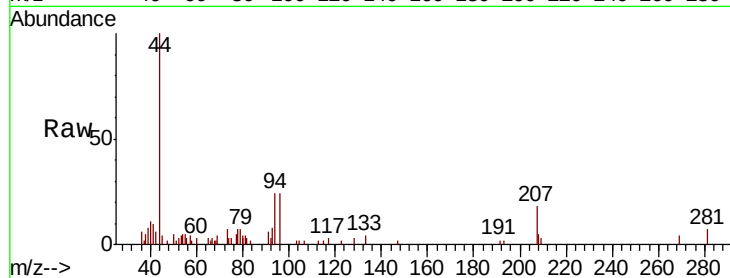
VX0602WBL01

Tot Ion: 94 Resp: 1030

Ion Ratio Lower Upper

94 100

96 93.8 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

800

600

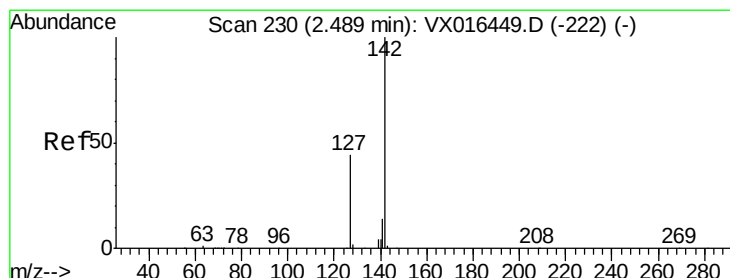
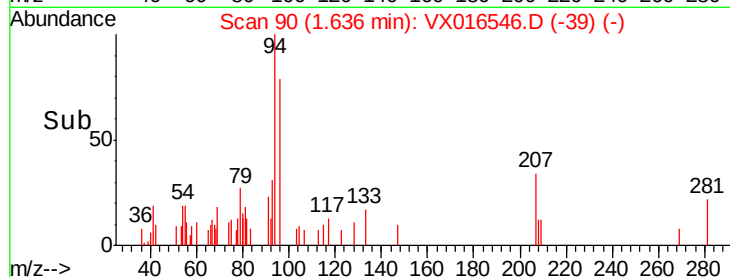
400

200

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 3.480 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

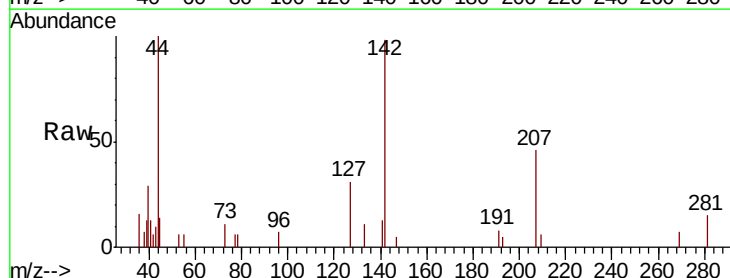
Tgt Ion: 142 Resp: 1738

Ion Ratio Lower Upper

142 100

127 45.4 35.3 52.9

141 11.0 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

2.49

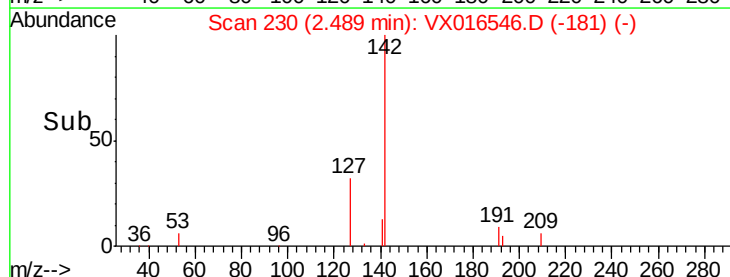
1000

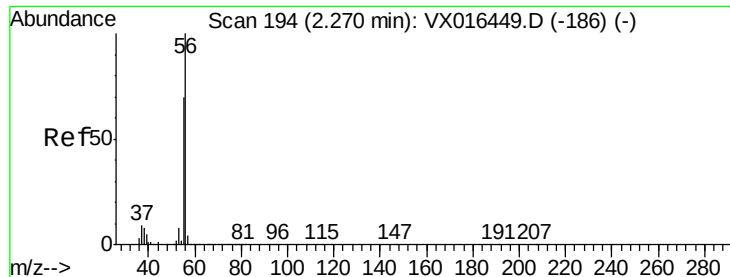
500

0

2.45 2.50 2.55

Time-->

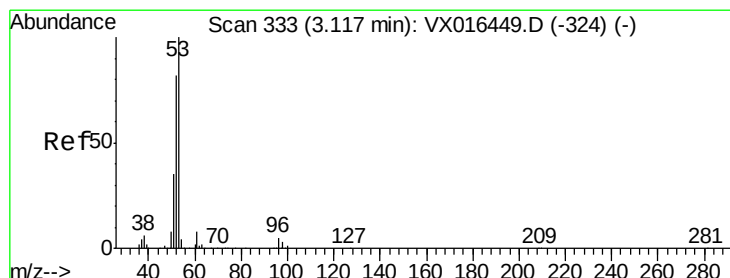
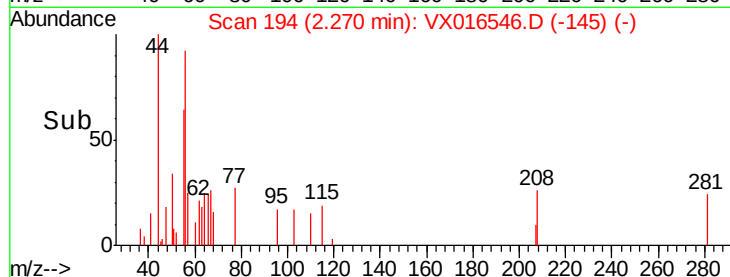
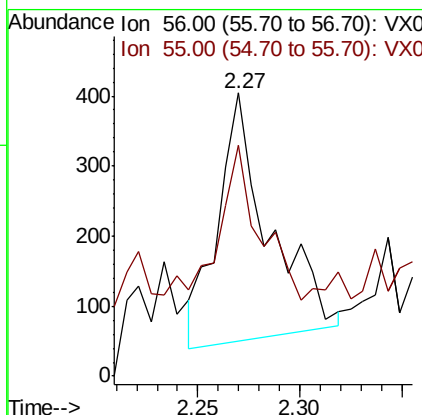
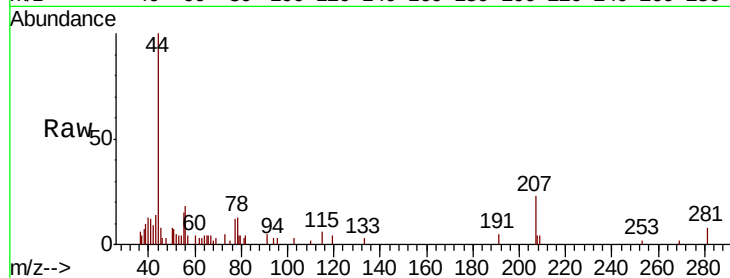




#13
Acrolein
Concen: 1.280 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016546.D
Acq: 02 Jun 2020 10:54

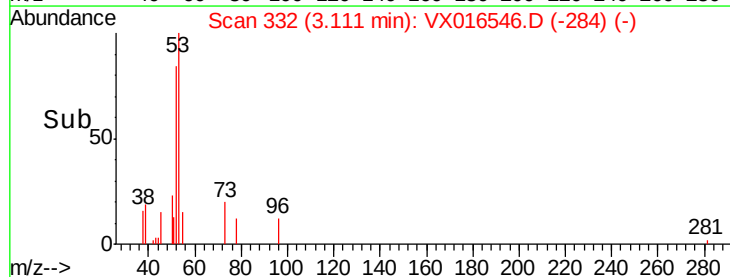
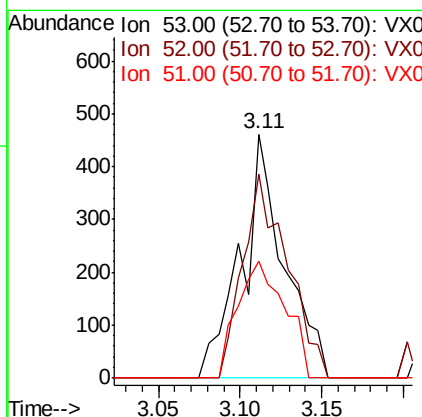
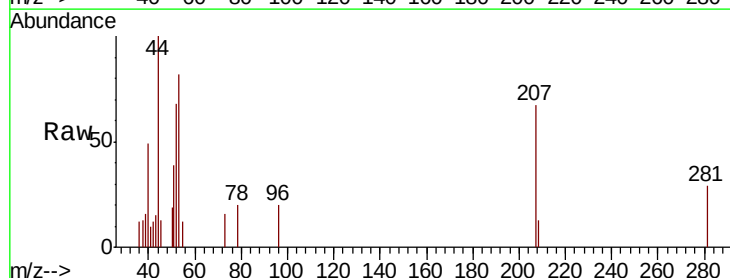
Instrument :
MSVOA_X
ClientSampled :
VX0602WBL01

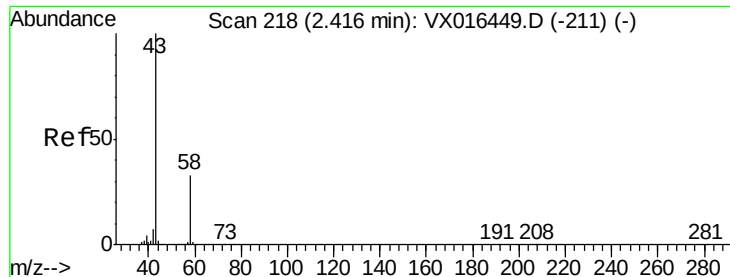
Tot Ion: 56 Resp: 613
Ion Ratio Lower Upper
56 100
55 46.5 58.3 87.5#



#15
Acrylonitrile
Concen: 0.368 ug/l
RT: 3.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX016546.D
Acq: 02 Jun 2020 10:54

Tgt Ion: 53 Resp: 848
Ion Ratio Lower Upper
53 100
52 86.1 66.7 100.1
51 52.4 28.6 43.0#





#16

Acetone

Concen: 0.346 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

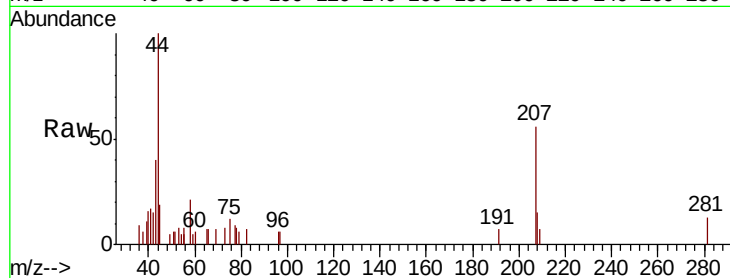
VX0602WBL01

Tot Ion: 43 Resp: 665

Ion Ratio Lower Upper

43 100

58 71.6 26.1 39.1#



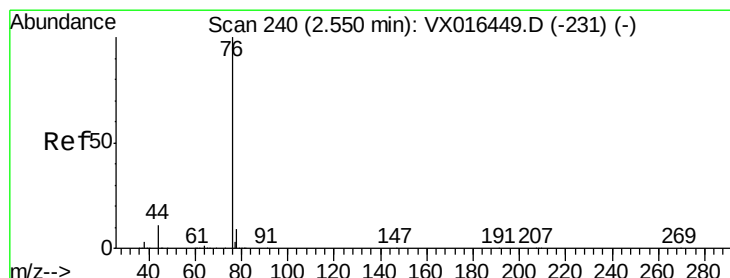
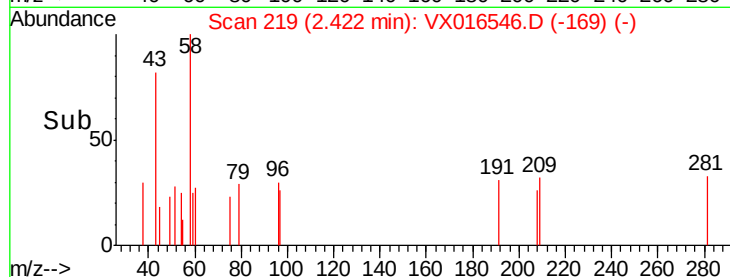
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2.45

Time-->



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016546.D

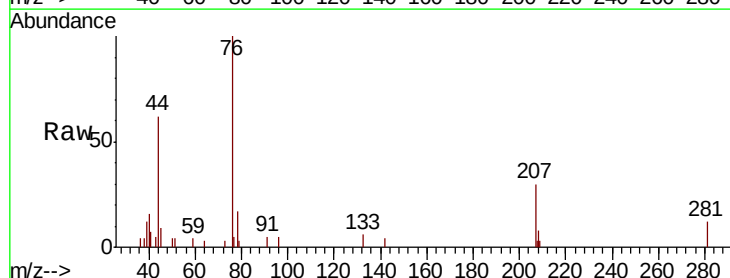
Acq: 02 Jun 2020 10:54

Tgt Ion: 76 Resp: 2694

Ion Ratio Lower Upper

76 100

78 13.2 7.4 11.0#



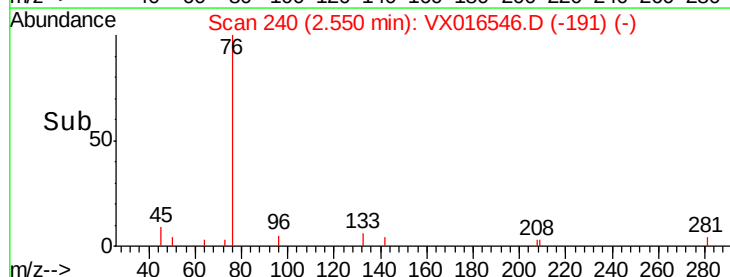
Abundance Ion 75.90 (75.60 to 76.60): VX0

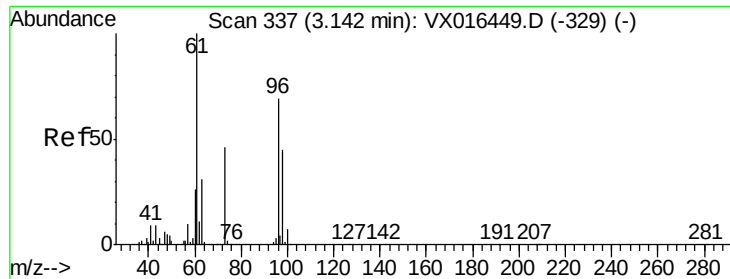
Ion 77.90 (77.60 to 78.60): VX0

2.55

2.60

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.217 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

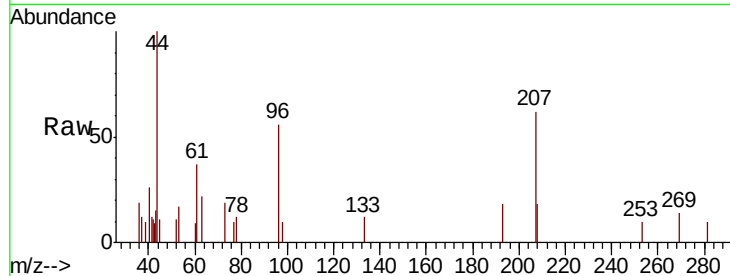
Tot Ion: 96 Resp: 817

Ion Ratio Lower Upper

96 100

61 64.8 115.3 172.9#

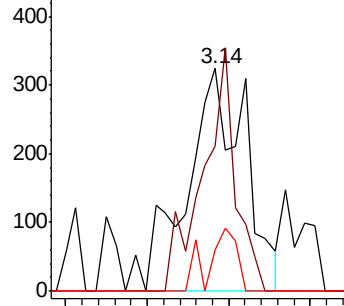
98 18.5 51.9 77.9#



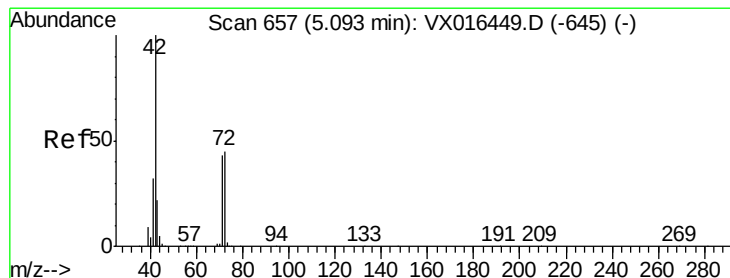
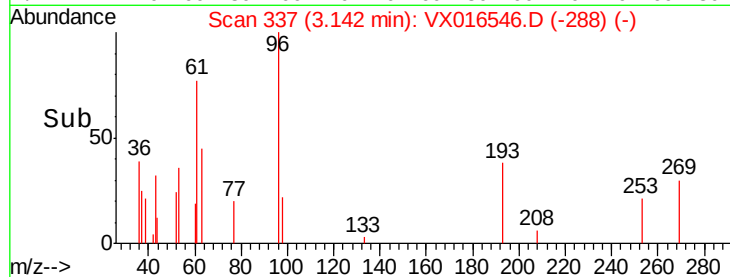
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

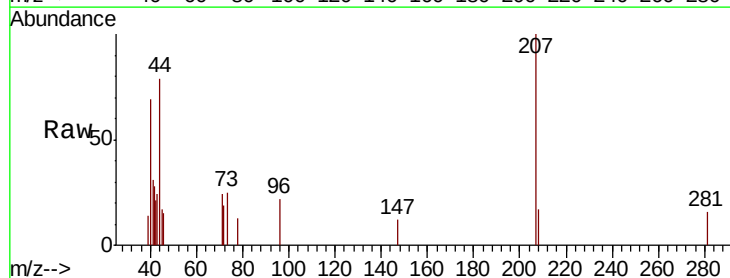
Tgt Ion: 42 Resp: 739

Ion Ratio Lower Upper

42 100

72 9.7 37.0 55.4#

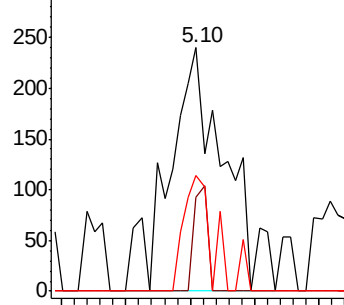
71 22.2 34.1 51.1#



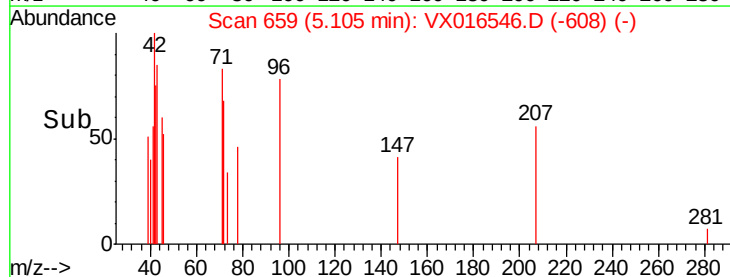
Abundance Ion 42.00 (41.70 to 42.70): VX0

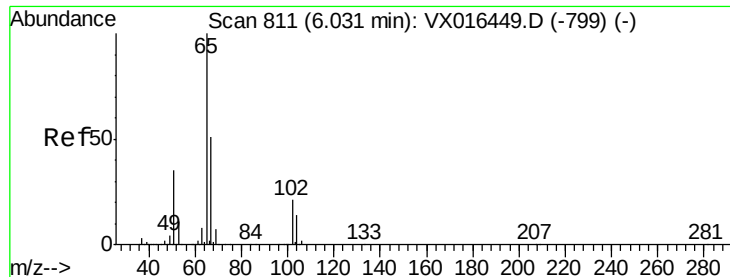
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

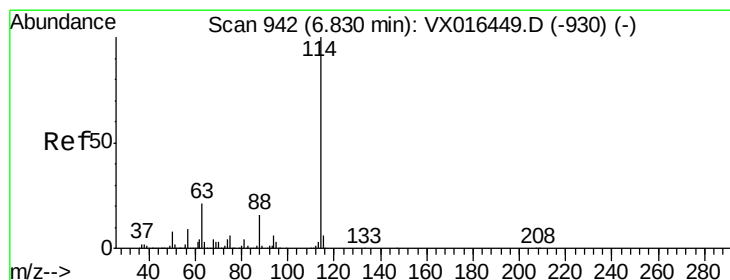
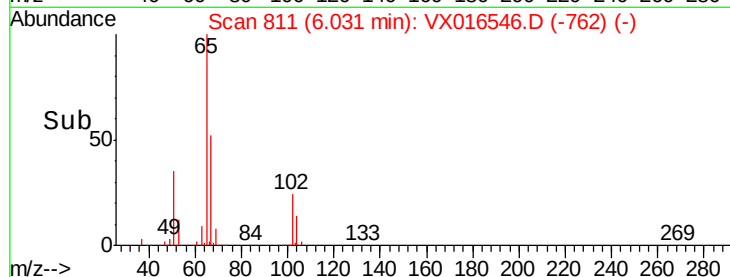
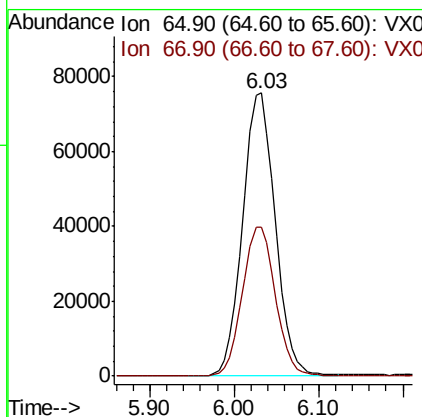
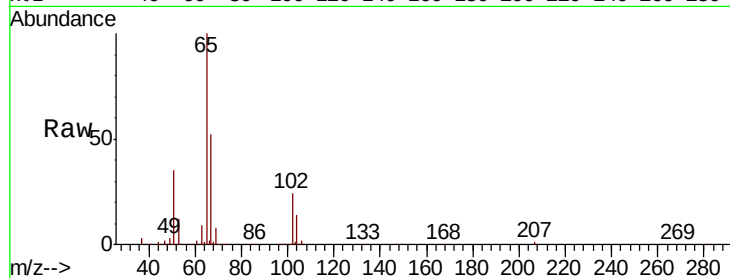




#33
 1,2-Dichloroethane-d4
 Concen: 45.189 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016546.D
 Acq: 02 Jun 2020 10:54

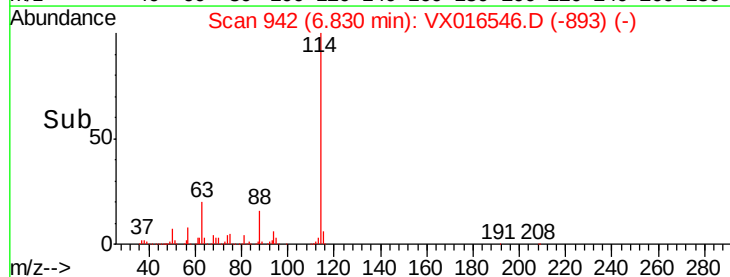
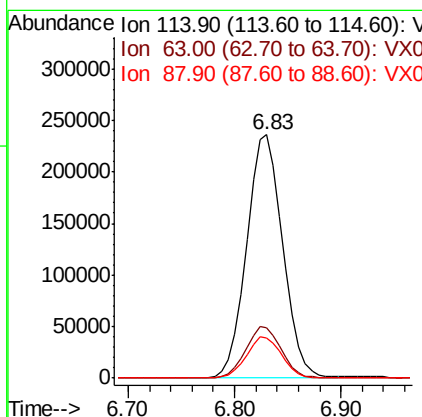
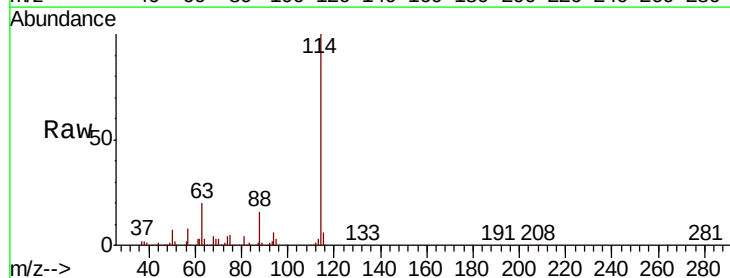
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBL01

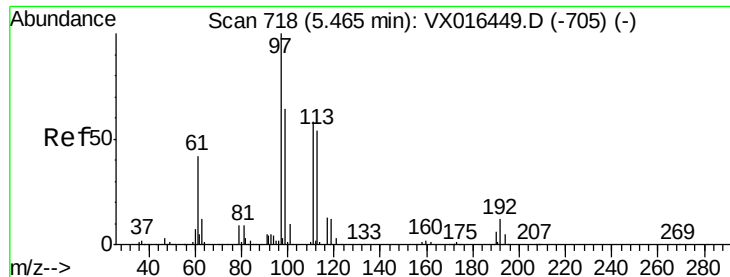
Tot Ion: 65 Resp: 198367
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016546.D
 Acq: 02 Jun 2020 10:54

Tgt Ion: 114 Resp: 561297
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.108 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

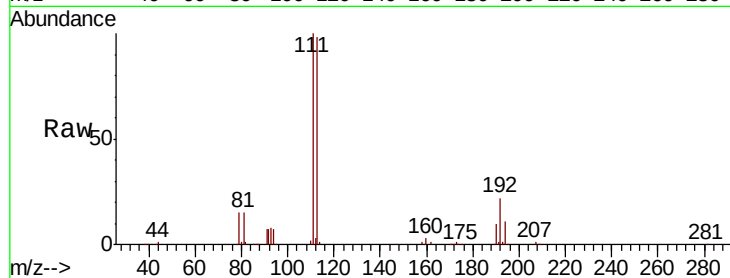
Tot Ion:113 Resp: 162813

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

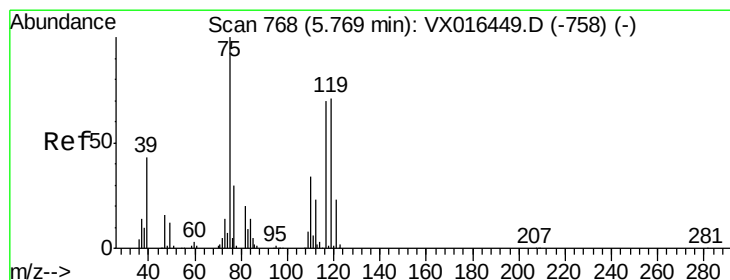
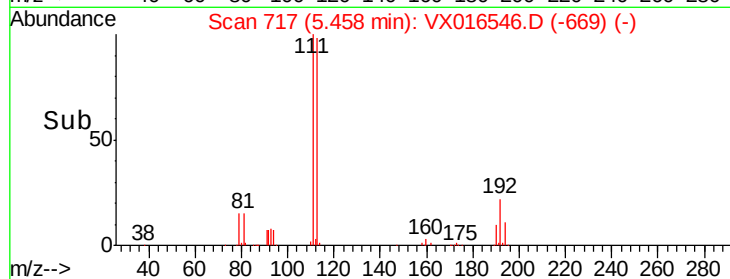
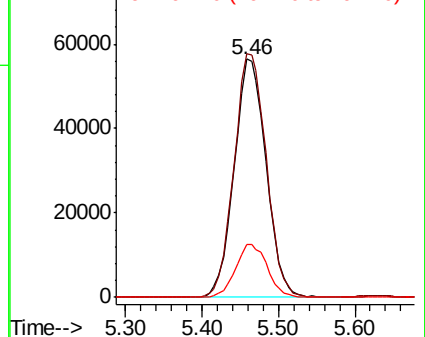
192 22.3 17.7 26.5



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: 4.854 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

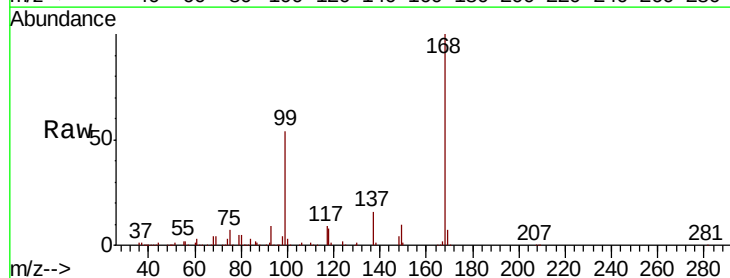
Tgt Ion: 75 Resp: 25797

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.3#

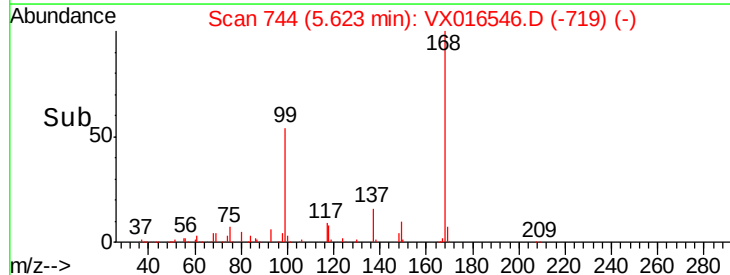
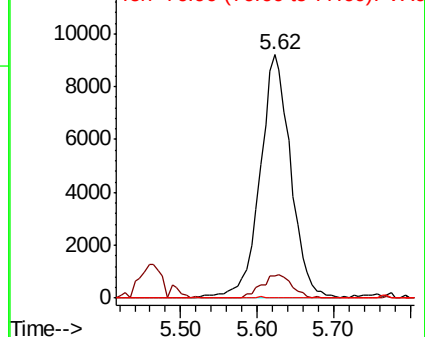
77 0.0 24.2 36.4#

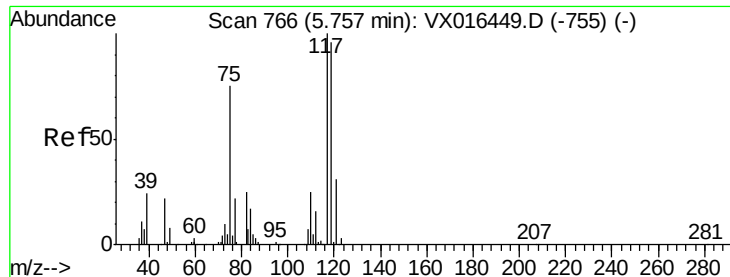


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

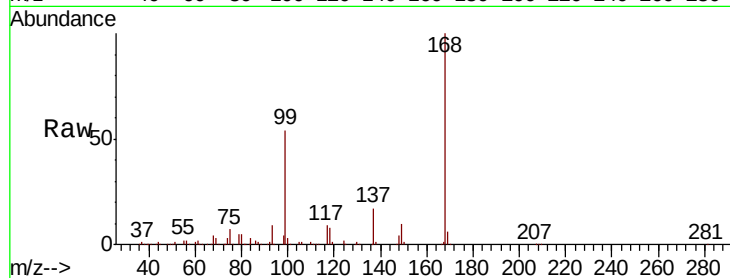
Tot Ion:117 Resp: 32424

Ion Ratio Lower Upper

117 100

119 6.7 76.3 114.5#

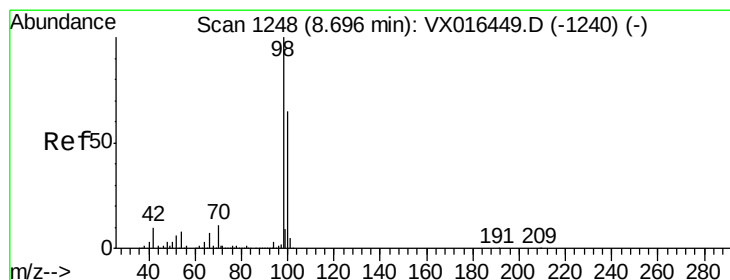
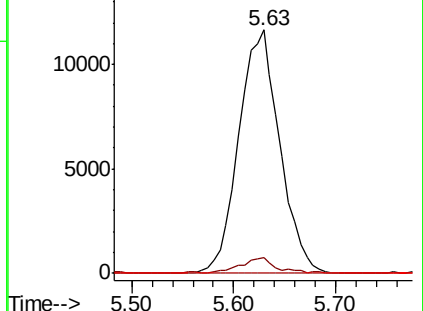
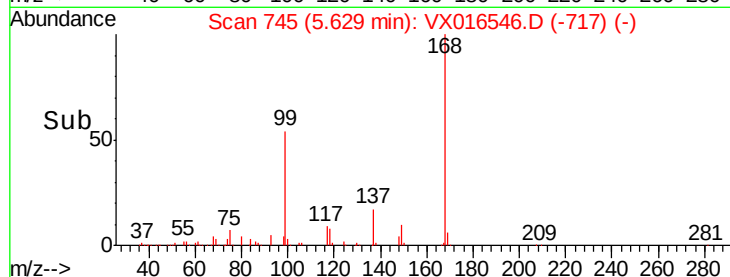
121 0.0 24.6 37.0#



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: 51.713 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016546.D

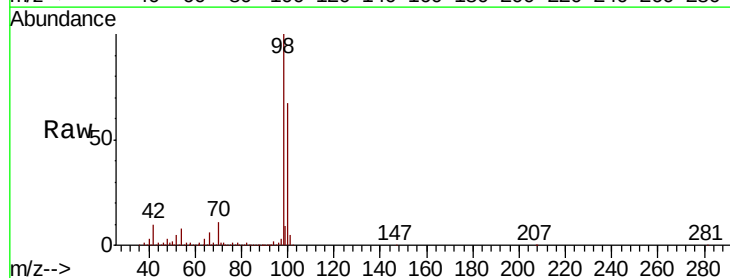
Acq: 02 Jun 2020 10:54

Tgt Ion: 98 Resp: 695653

Ion Ratio Lower Upper

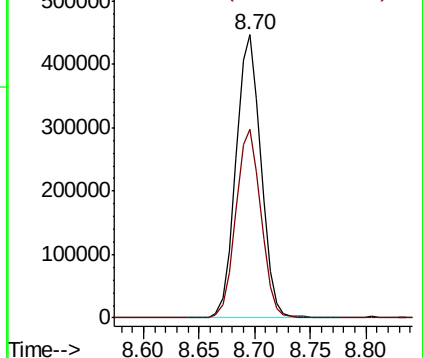
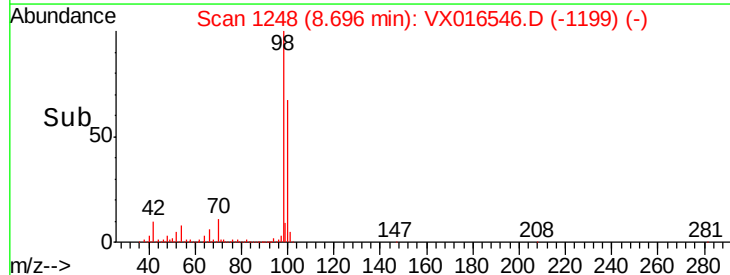
98 100

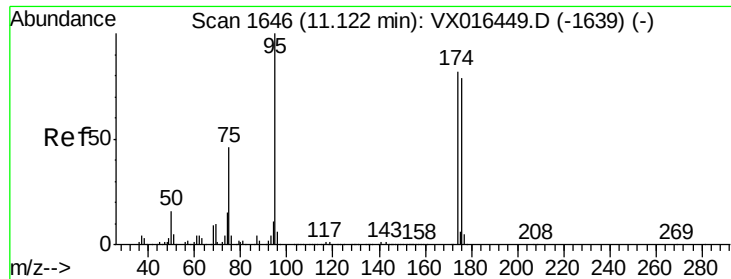
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.559 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampled :

VX0602WBL01

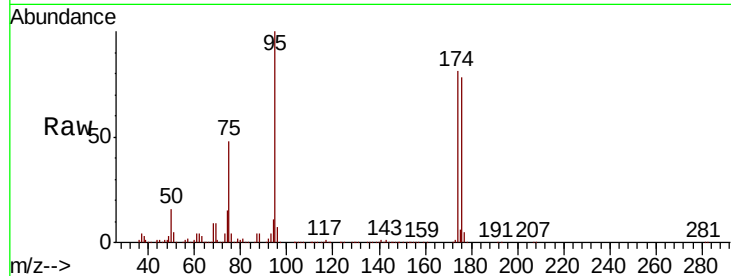
Tot Ion: 95 Resp: 267995

Ion Ratio Lower Upper

95 100

174 81.3 0.0 163.0

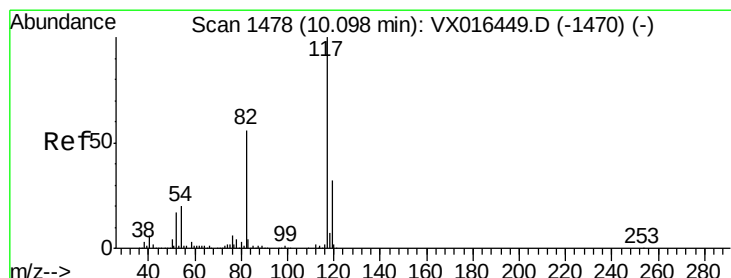
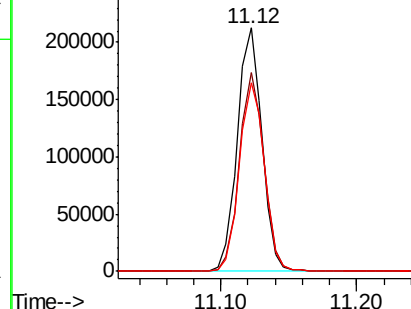
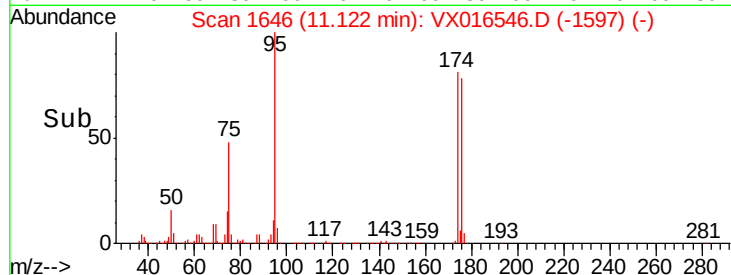
176 78.7 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016546.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016546.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016546.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

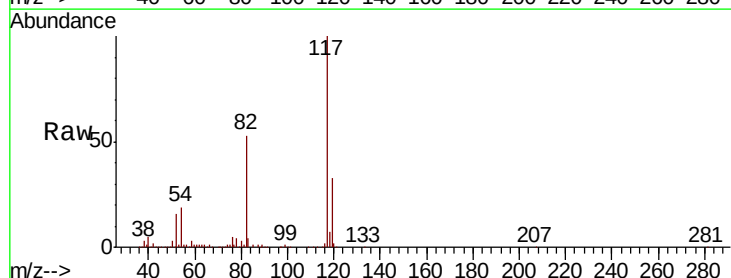
Tgt Ion: 117 Resp: 546395

Ion Ratio Lower Upper

117 100

82 53.4 45.0 67.6

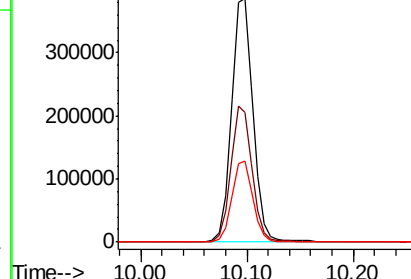
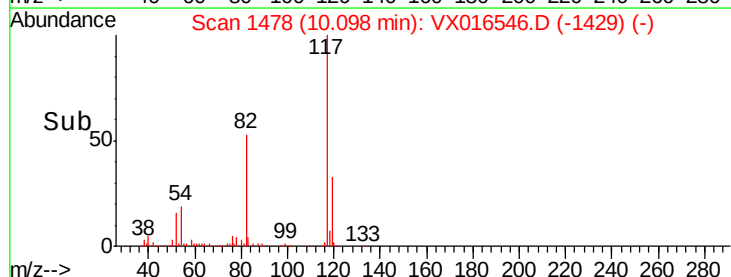
119 33.1 25.8 38.8

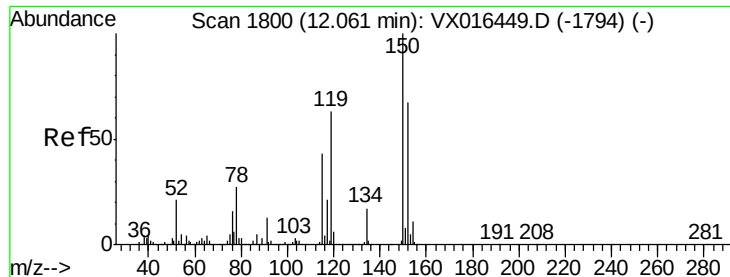


Abundance Ion 116.90 (116.60 to 117.60): VX016546.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016546.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016546.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

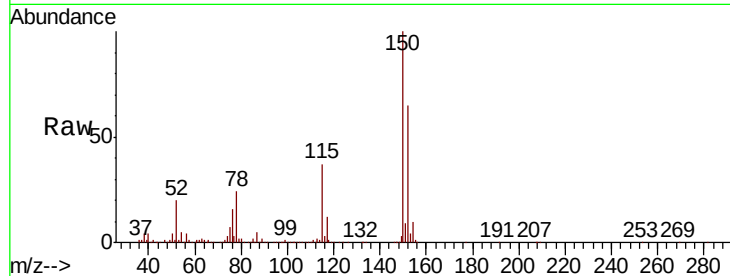
Tot Ion:152 Resp: 260151

Ion Ratio Lower Upper

152 100

115 57.3 39.9 119.6

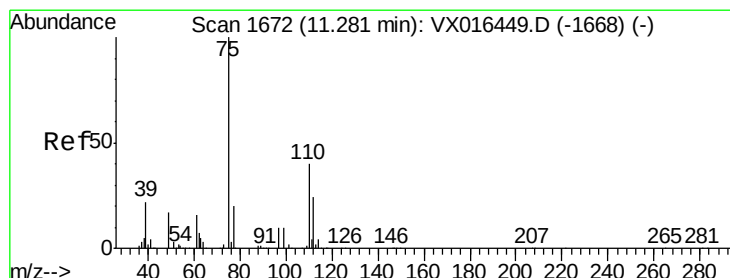
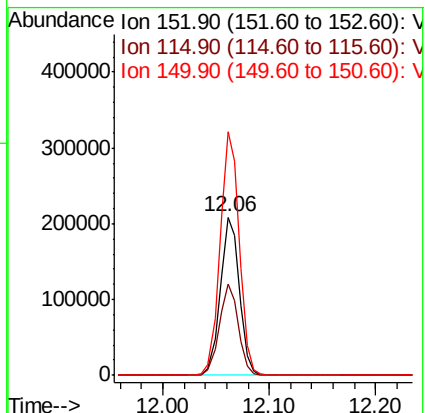
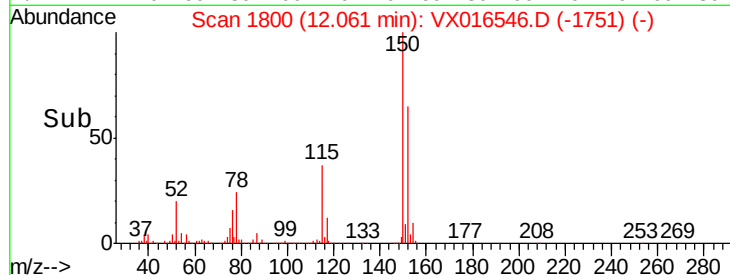
150 154.3 0.0 341.0



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: 22.593 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016546.D

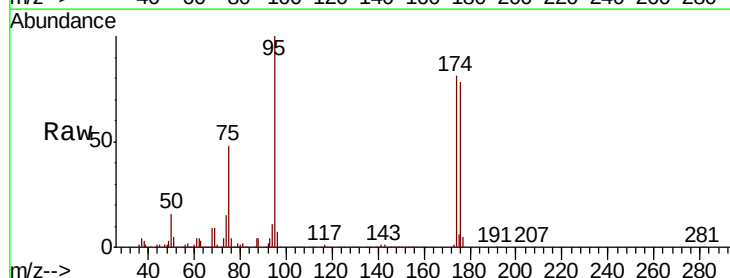
Acq: 02 Jun 2020 10:54

Tgt Ion: 75 Resp: 129190

Ion Ratio Lower Upper

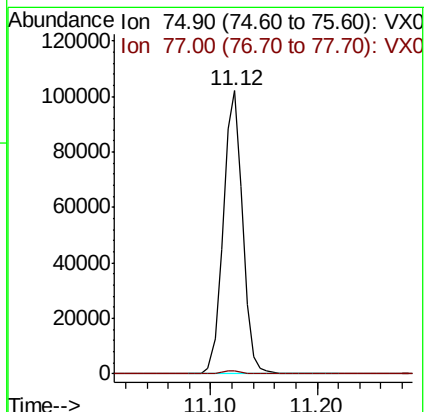
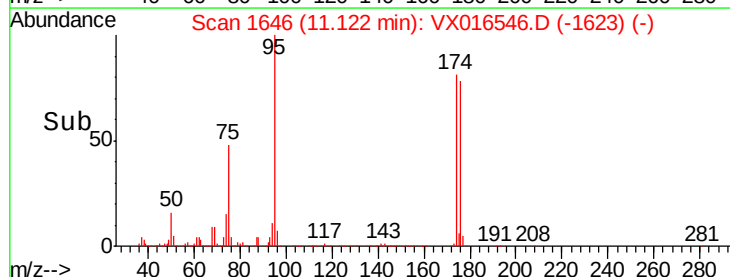
75 100

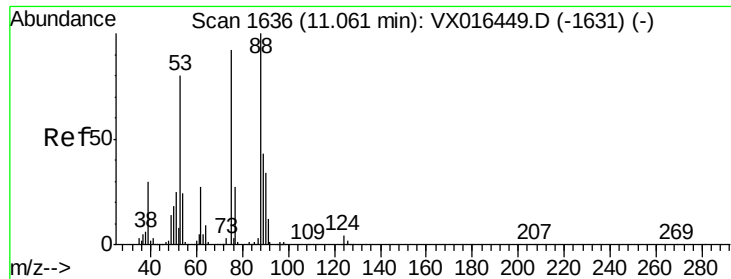
77 1.3 21.3 63.7#



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: 55.574 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampled :

VX0602WBL01

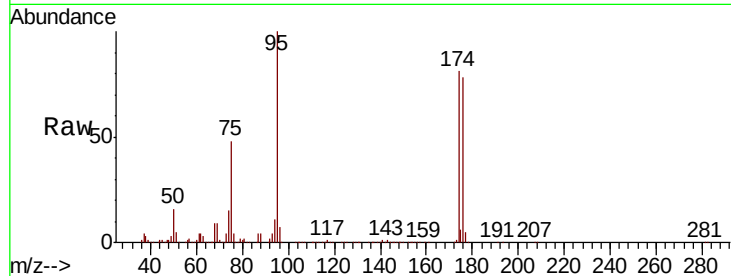
Tot Ion: 75 Resp: 129190

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

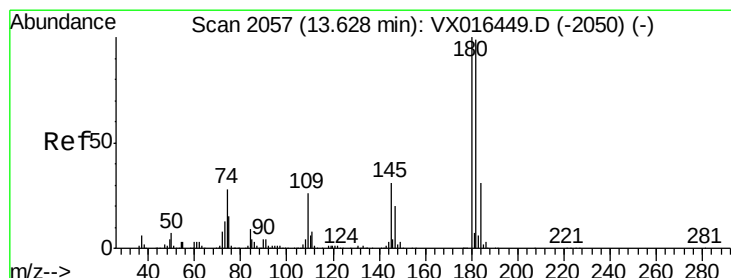
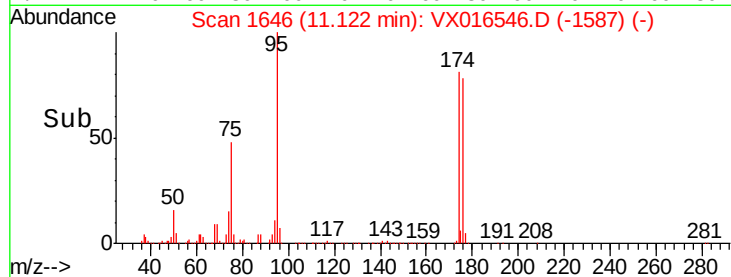
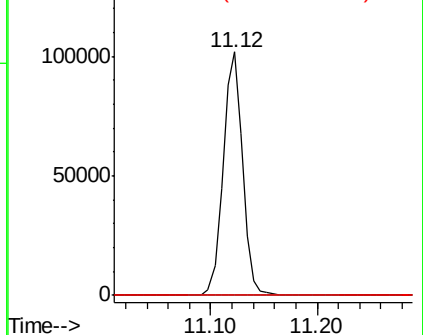
89 0.0 36.6 55.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.216 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

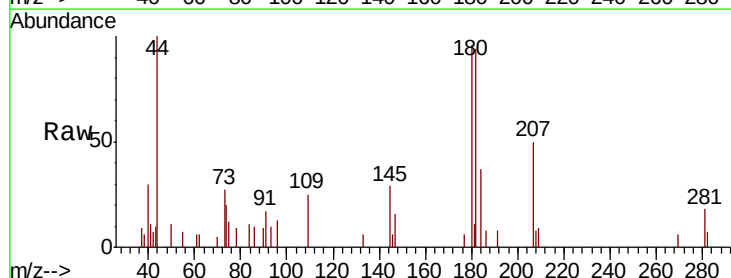
Tgt Ion: 180 Resp: 1141

Ion Ratio Lower Upper

180 100

182 109.6 48.3 144.8

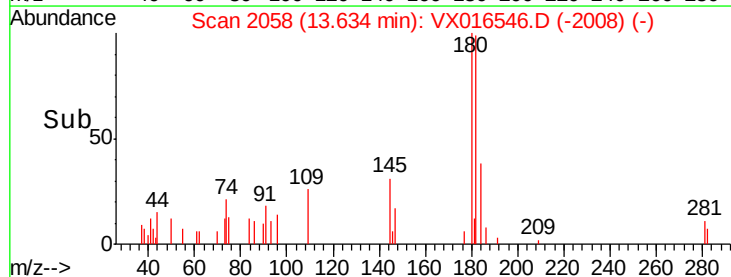
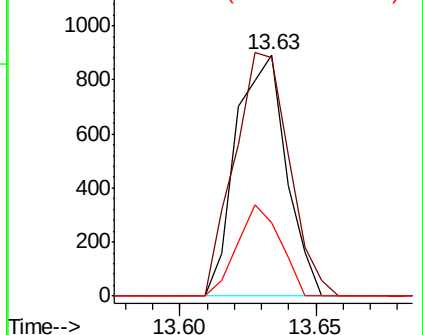
145 32.5 15.4 46.2

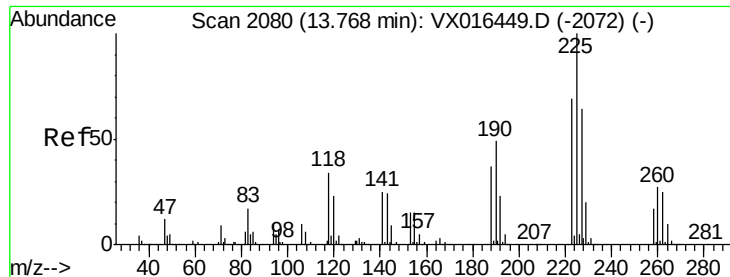


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.400 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

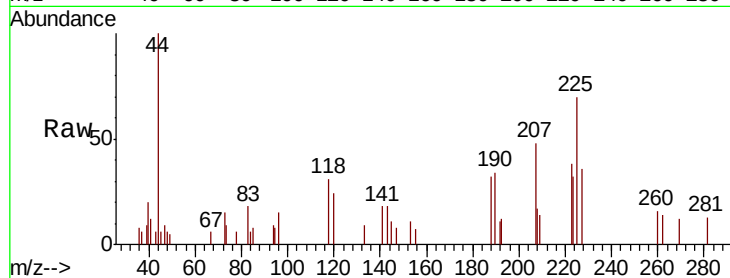
Tot Ion:225 Resp: 828

Ion Ratio Lower Upper

225 100

223 73.4 32.3 96.8

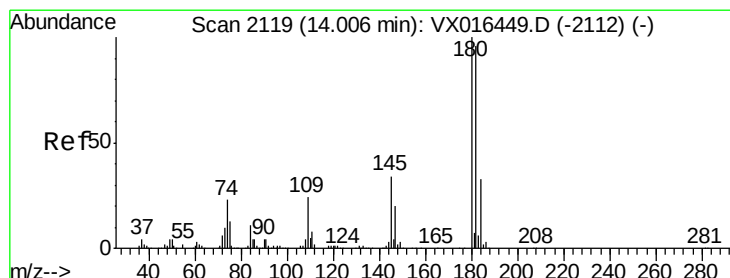
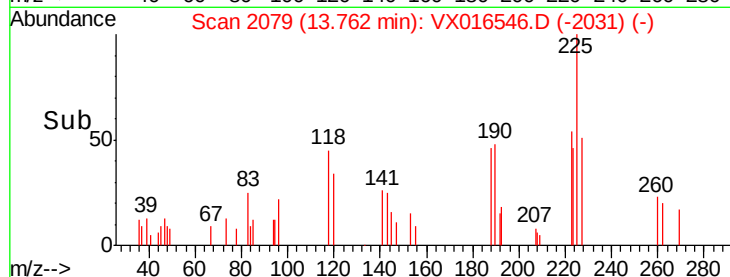
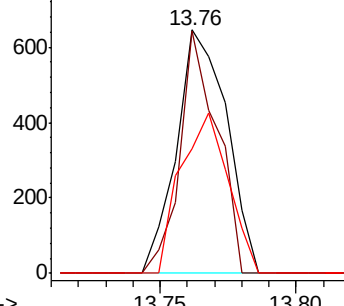
227 62.3 31.6 94.7



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: 0.229 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016546.D

Acq: 02 Jun 2020 10:54

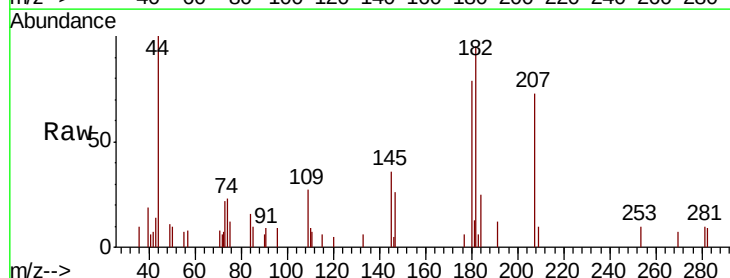
Tgt Ion:180 Resp: 1182

Ion Ratio Lower Upper

180 100

182 90.9 48.6 145.8

145 32.6 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

