

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016326.D
 Acq On : 19 May 2020 12:03
 Operator : JC/SP
 Sample : L2672-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-200514

Quant Time: May 20 04:20:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	253773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	422493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	401014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201800	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	147419	44.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.30%	
35) Dibromofluoromethane	5.47	113	121009	45.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.42%	
50) Toluene-d8	8.70	98	517208	50.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.12	95	202887	51.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.44%	

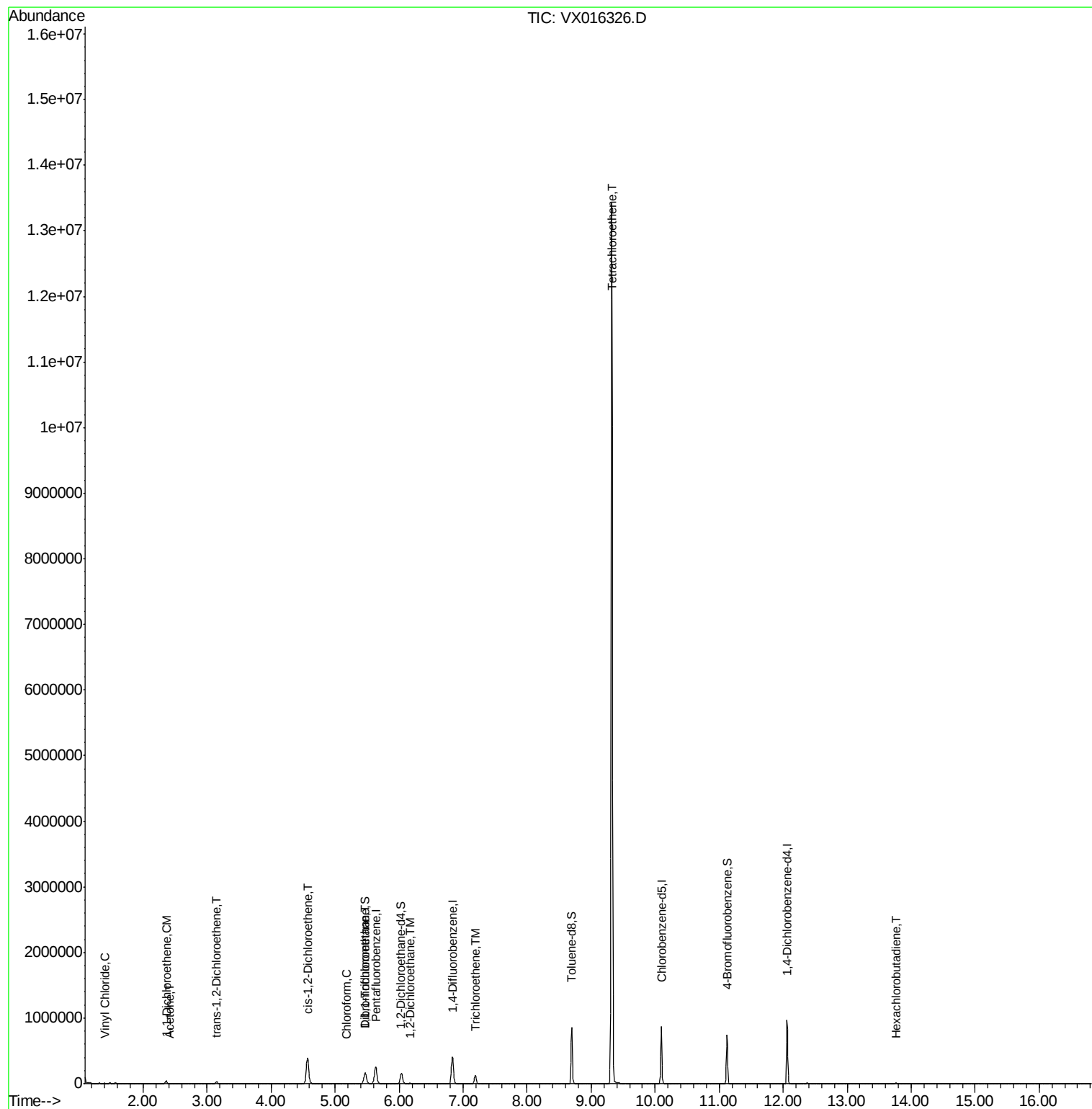
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1172	0.352	ug/l	98
12) 1,1-Dichloroethene	2.36	96	11478	4.351	ug/l	95
16) Acetone	2.42	43	4672	3.136	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	12575	4.278	ug/l	93
27) cis-1,2-Dichloroethene	4.57	96	263097	81.864	ug/l	85
30) Chloroform	5.18	83	1858	0.366	ug/l	89
32) 1,1,1-Trichloroethane	5.47	97	28179	6.100	ug/l	99
42) 1,2-Dichloroethane	6.16	62	6921	1.579	ug/l	100
44) Trichloroethene	7.19	130	47197	10.918	ug/l	93
64) Tetrachloroethene	9.32	164	2689637	546.345	ug/l	96
94) Hexachlorobutadiene	13.76	225	1625	1.294	ug/l	95

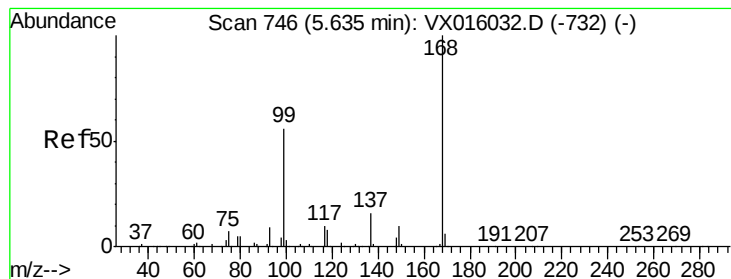
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051920\
Data File : VX016326.D
Acq On : 19 May 2020 12:03
Operator : JC/SP
Sample : L2672-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP021MW352-200514

Quant Time: May 20 04:20:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

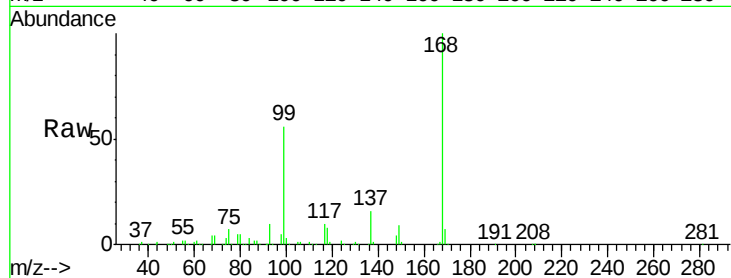
WP021MW352-200514

Tot Ion:168 Resp: 253773

Ion Ratio Lower Upper

168 100

99 56.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

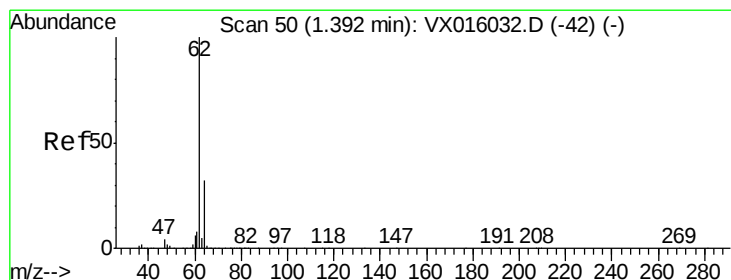
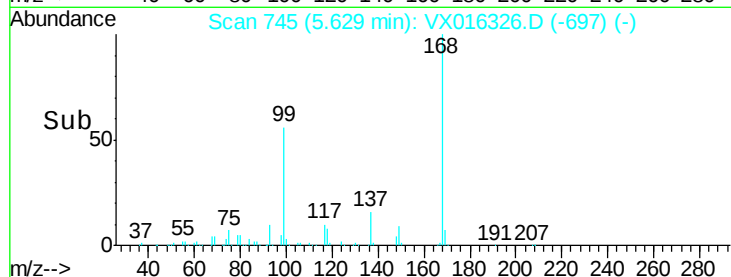
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.352 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX016326.D

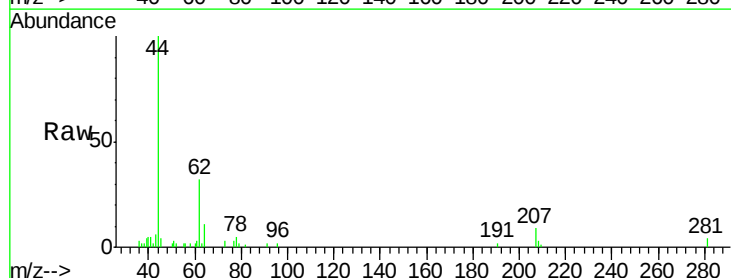
Acq: 19 May 2020 12:03

Tgt Ion: 62 Resp: 1172

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

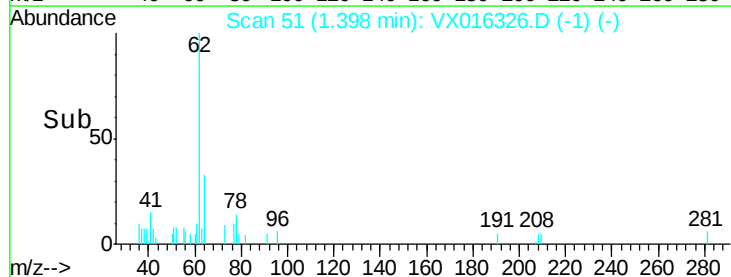
1.40

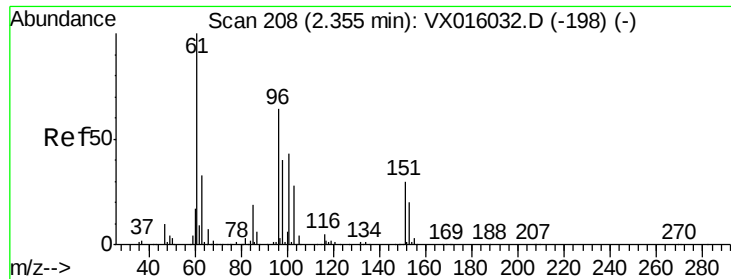
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 4.351 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-200514

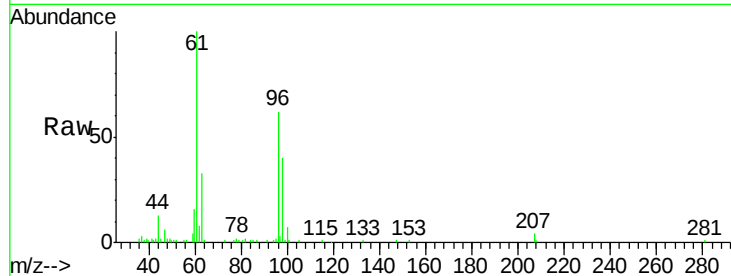
Tot Ion: 96 Resp: 11478

Ion Ratio Lower Upper

96 100

61 163.5 124.8 187.2

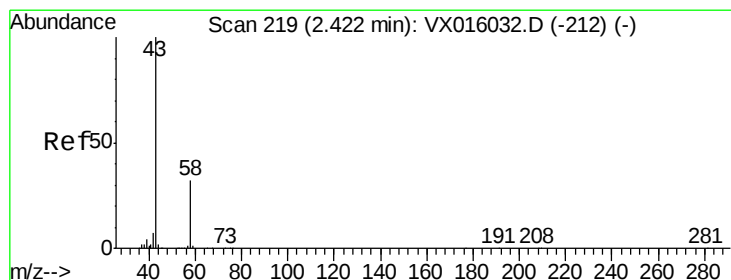
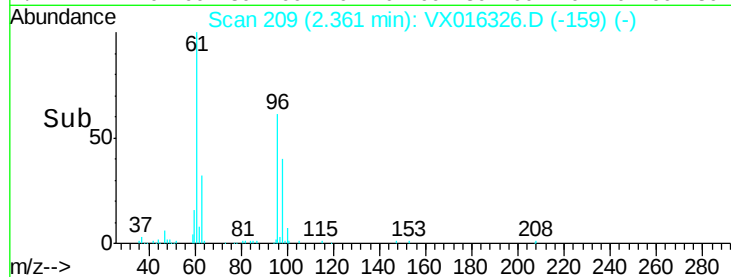
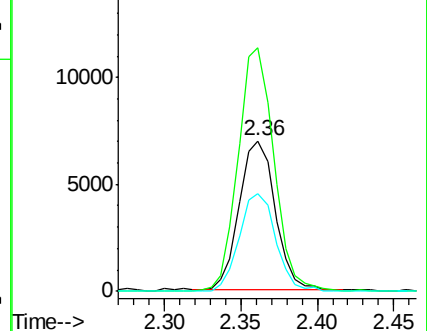
98 65.2 49.7 74.5



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



#16

Acetone

Concen: 3.136 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016326.D

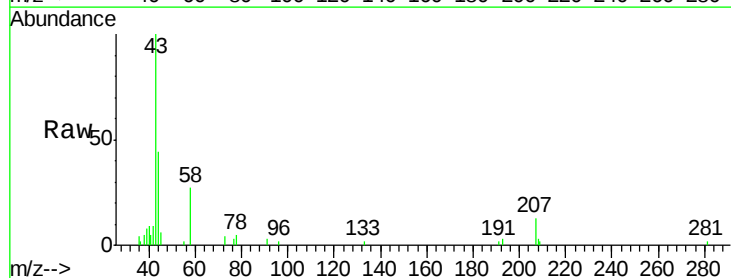
Acq: 19 May 2020 12:03

Tgt Ion: 43 Resp: 4672

Ion Ratio Lower Upper

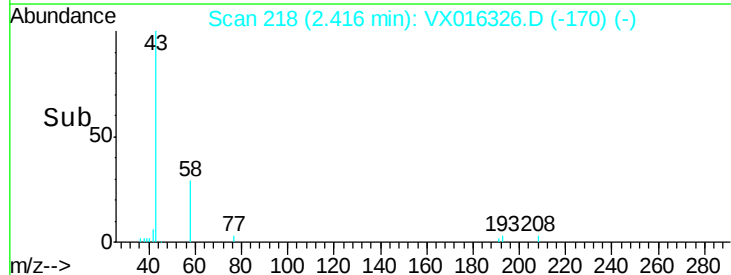
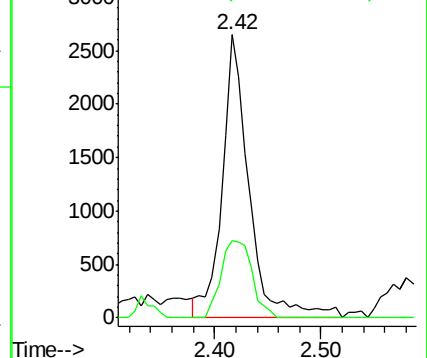
43 100

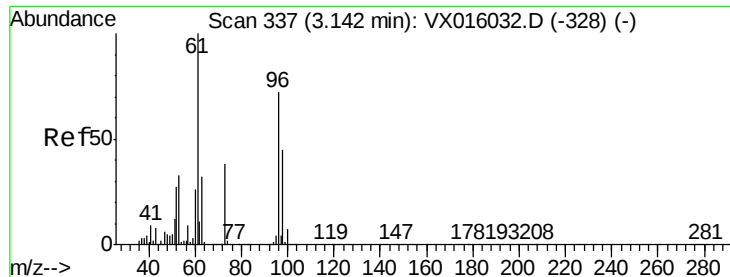
58 27.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 4.278 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-200514

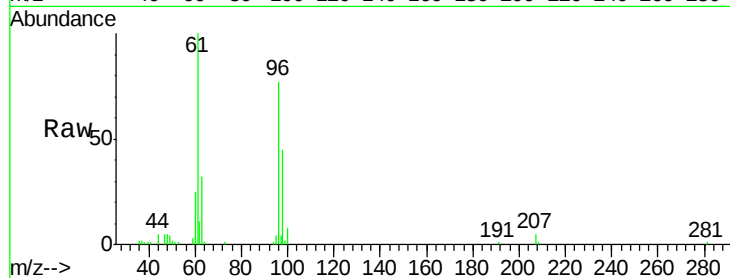
Tot Ion: 96 Resp: 12575

Ion Ratio Lower Upper

96 100

61 129.2 111.2 166.8

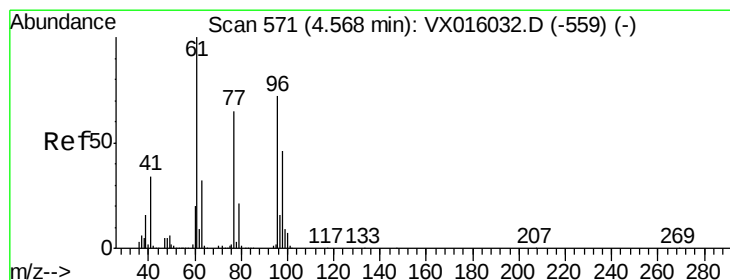
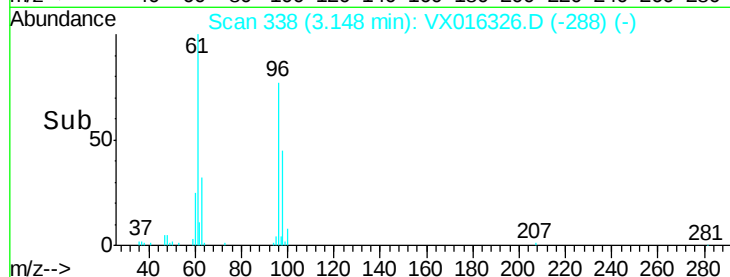
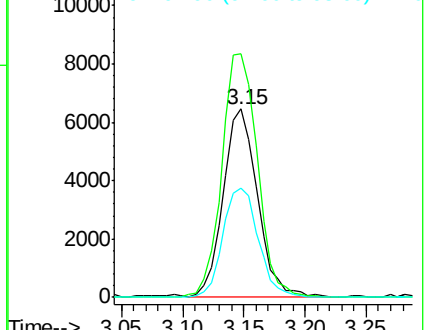
98 58.2 50.2 75.4



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



#27

cis-1,2-Dichloroethene

Concen: 81.864 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

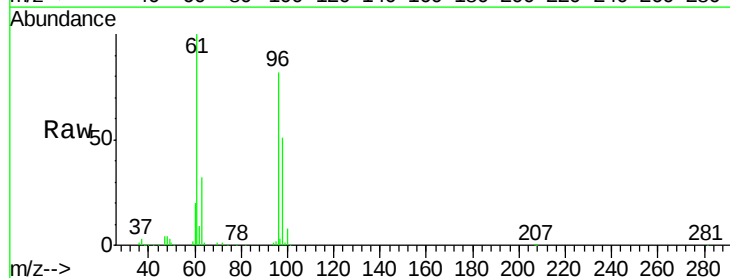
Tgt Ion: 96 Resp: 263097

Ion Ratio Lower Upper

96 100

61 122.3 0.0 296.2

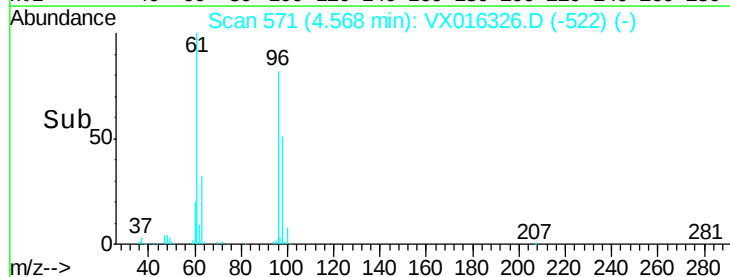
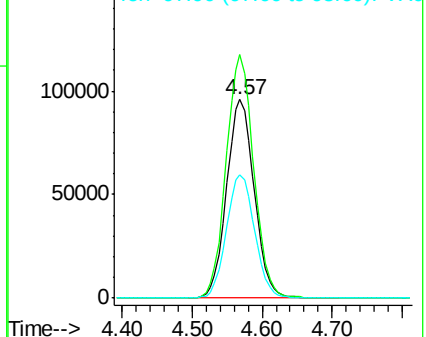
98 63.3 0.0 129.4

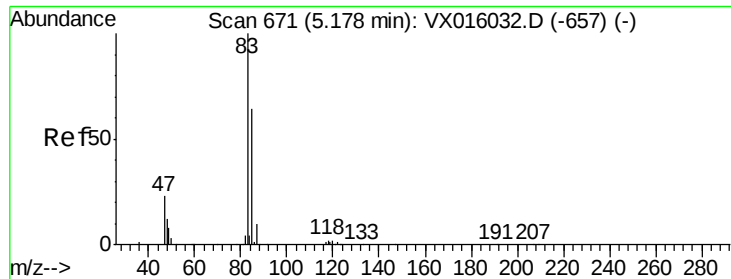


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#30

Chloroform

Concen: 0.366 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

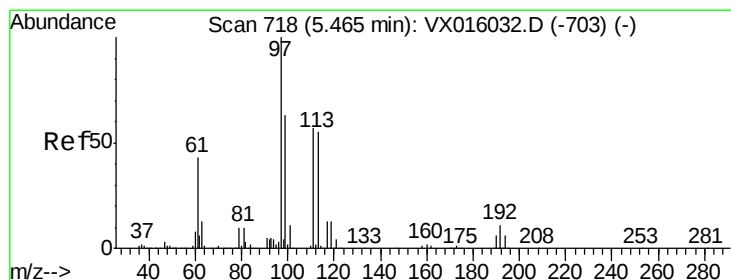
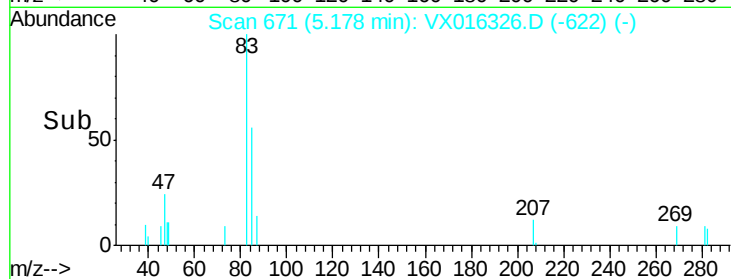
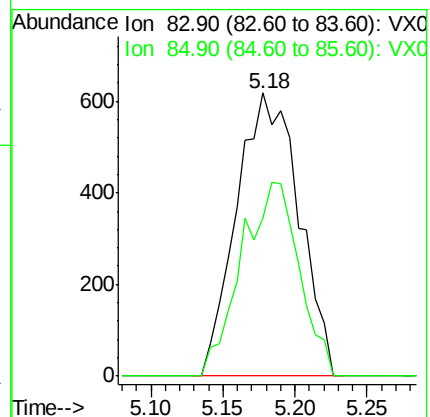
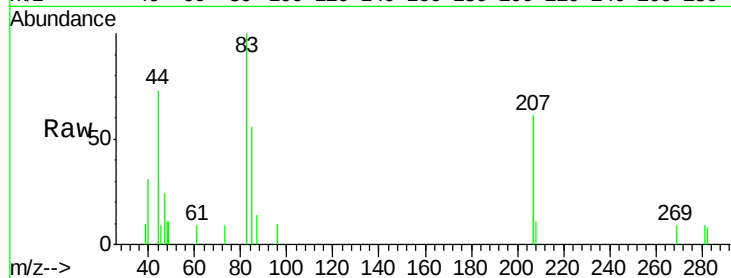
WP021MW352-200514

Tot Ion: 83 Resp: 1858

Ion Ratio Lower Upper

83 100

85 56.0 51.6 77.4



#32

1,1,1-Trichloroethane

Concen: 6.100 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

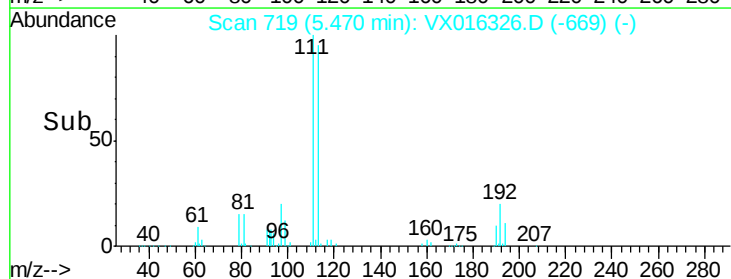
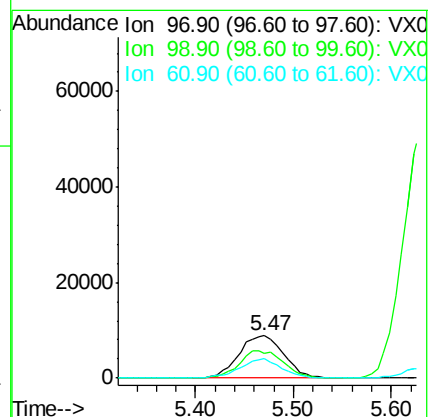
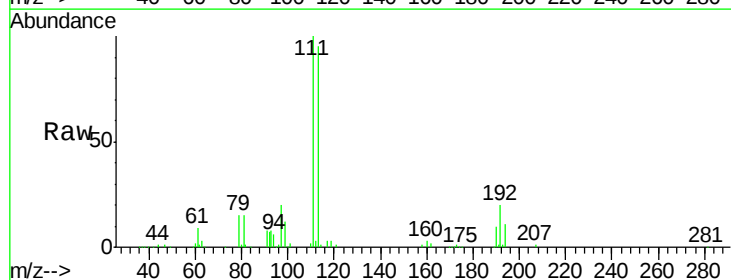
Tgt Ion: 97 Resp: 28179

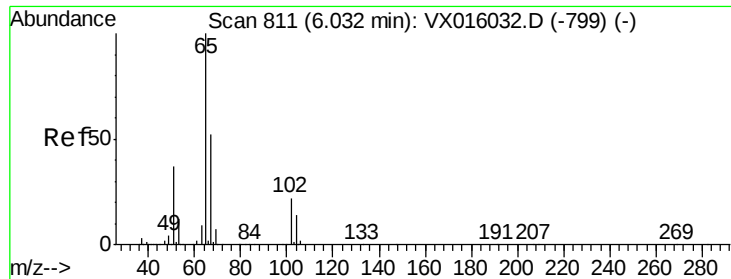
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 42.3 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 44.145 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

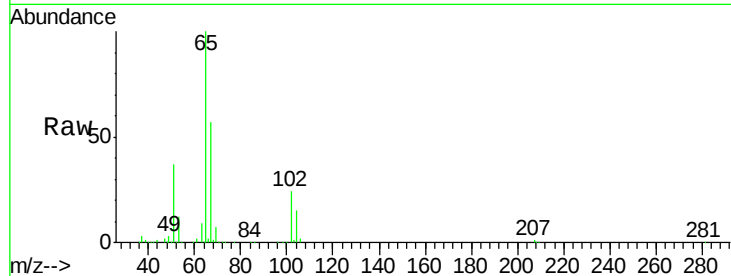
WP021MW352-200514

Tot Ion: 65 Resp: 147419

Ion Ratio Lower Upper

65 100

67 53.7 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

60000

50000

40000

30000

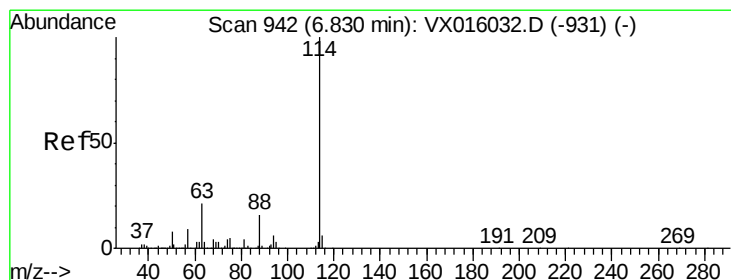
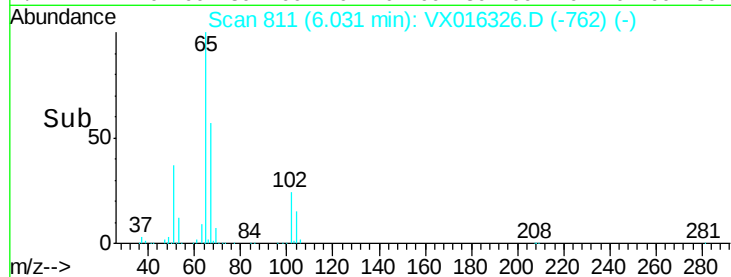
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

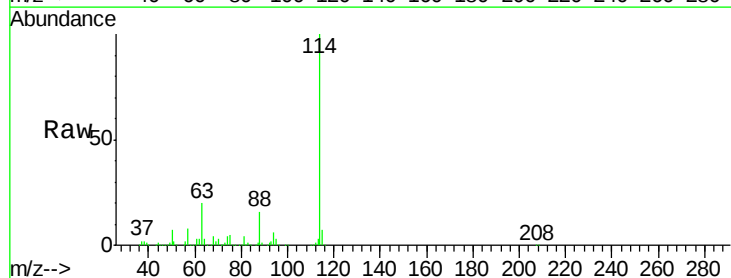
Tgt Ion: 114 Resp: 422493

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

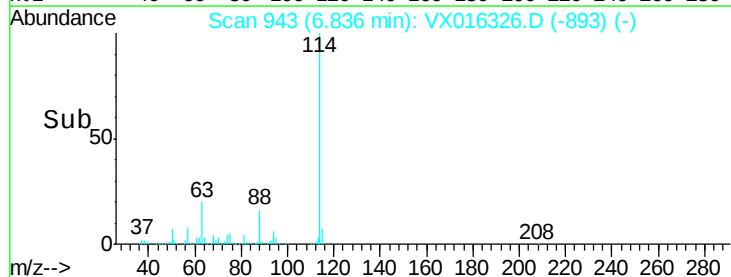
100000

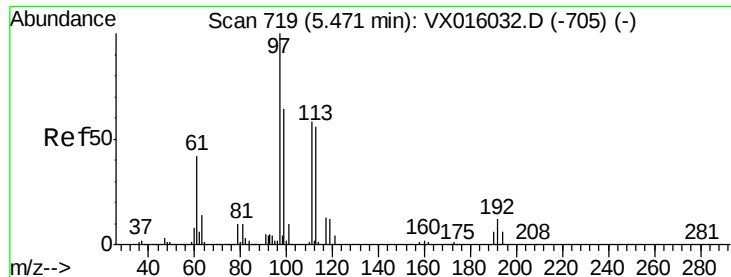
50000

0

Time-->

6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 45.209 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-200514

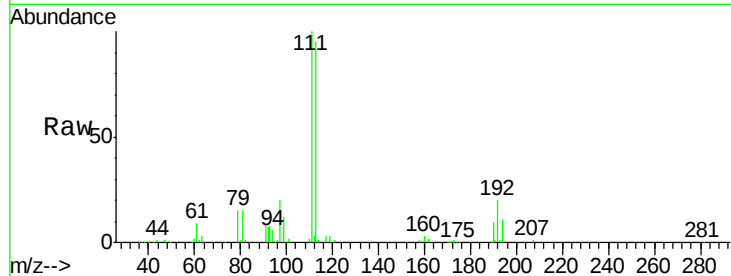
Tot Ion:113 Resp: 121009

Ion Ratio Lower Upper

113 100

111 104.2 81.6 122.4

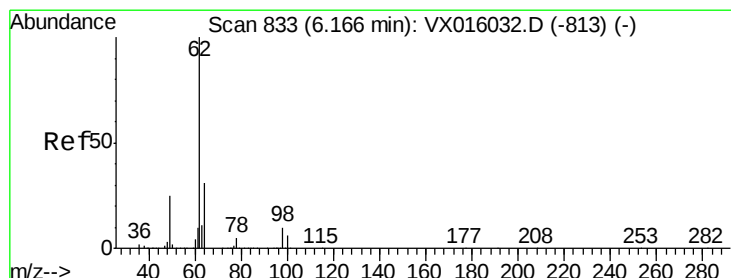
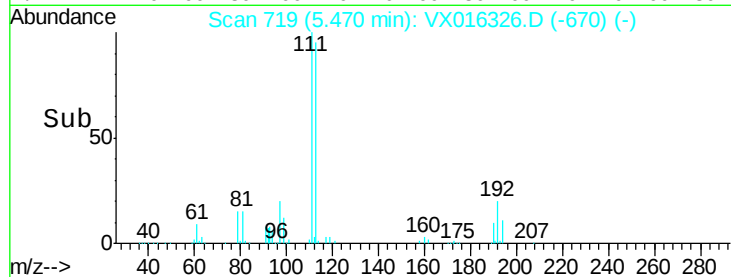
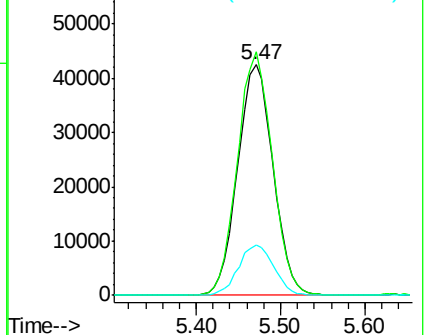
192 21.8 17.0 25.4



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



#42

1,2-Dichloroethane

Concen: 1.579 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX016326.D

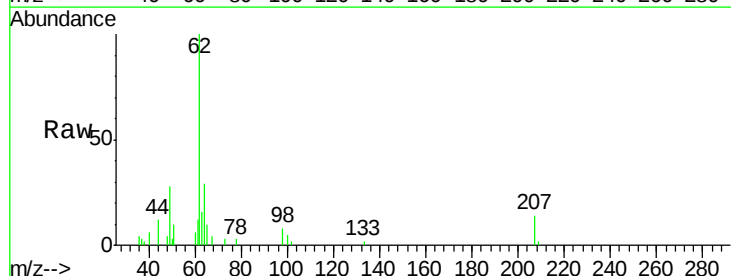
Acq: 19 May 2020 12:03

Tgt Ion: 62 Resp: 6921

Ion Ratio Lower Upper

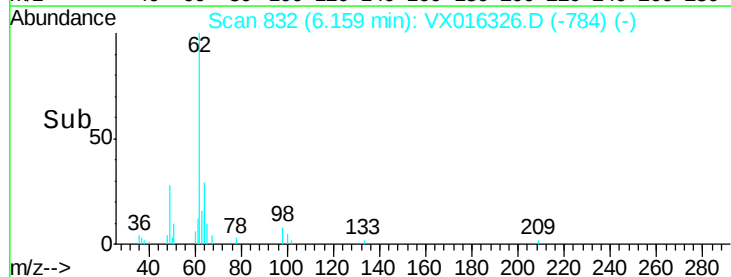
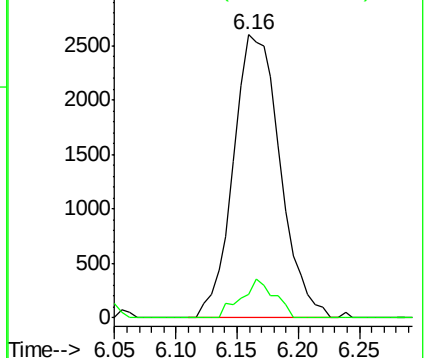
62 100

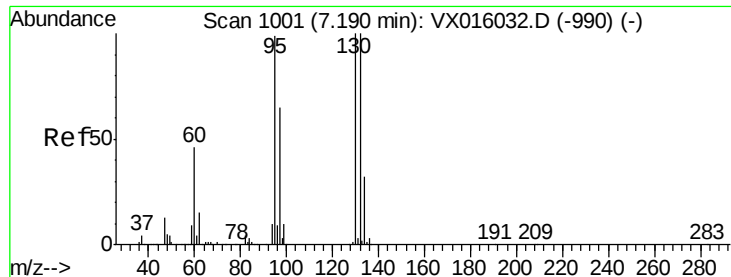
98 9.7 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 10.918 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

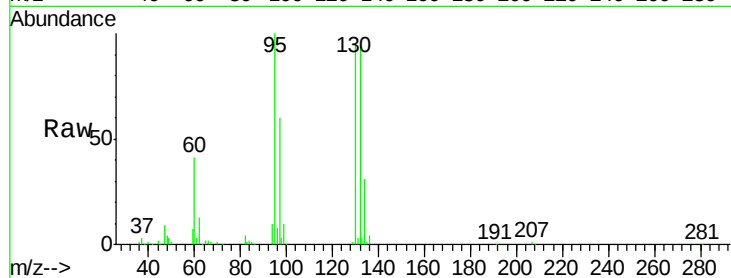
WP021MW352-200514

Tot Ion:130 Resp: 47197

Ion Ratio Lower Upper

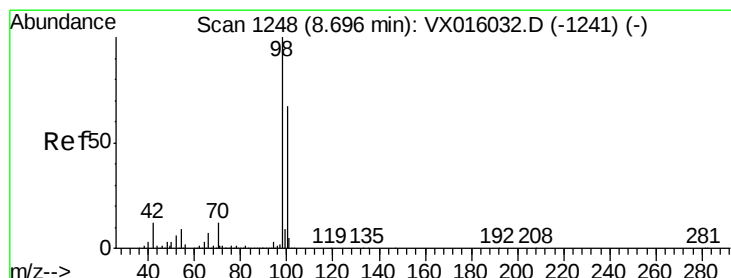
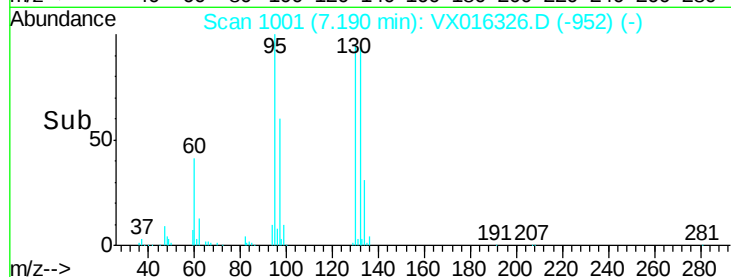
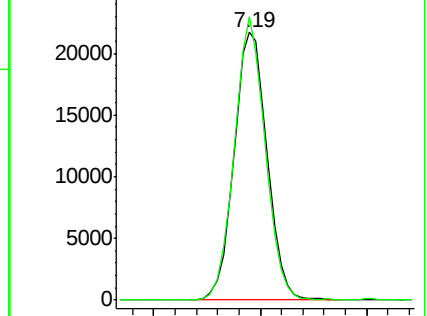
130 100

95 105.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.149 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016326.D

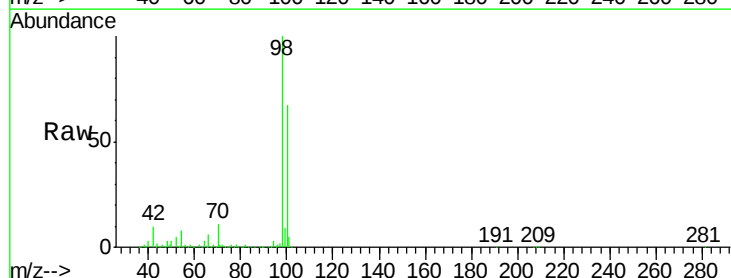
Acq: 19 May 2020 12:03

Tgt Ion: 98 Resp: 517208

Ion Ratio Lower Upper

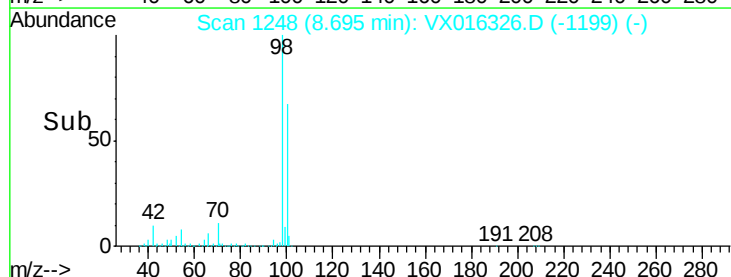
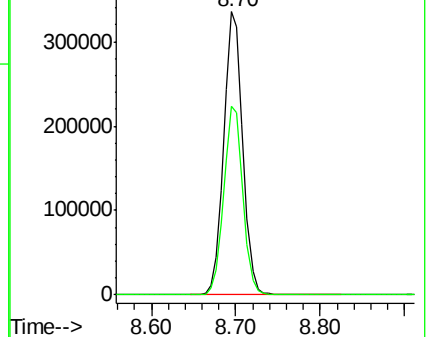
98 100

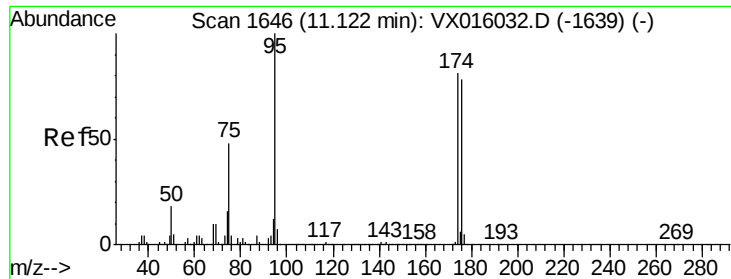
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.721 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-200514

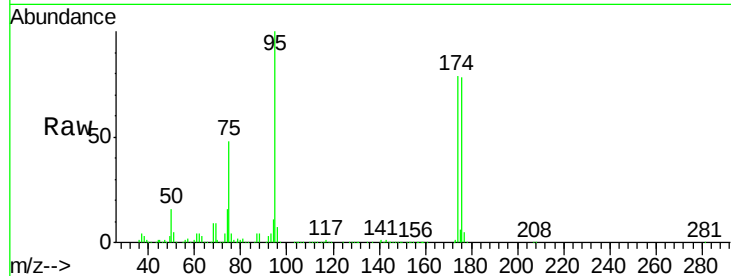
Tot Ion: 95 Resp: 202887

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

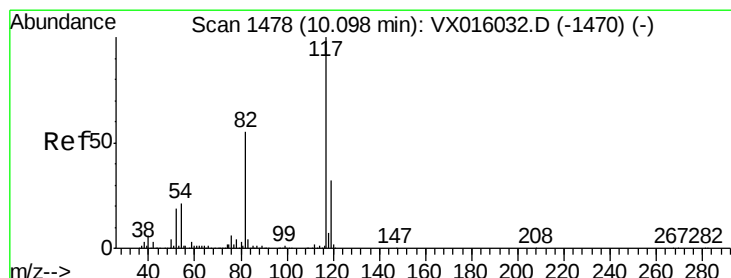
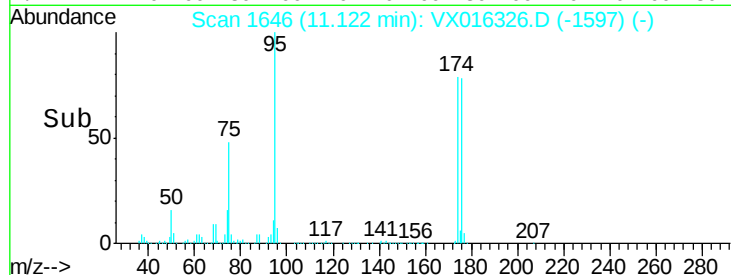
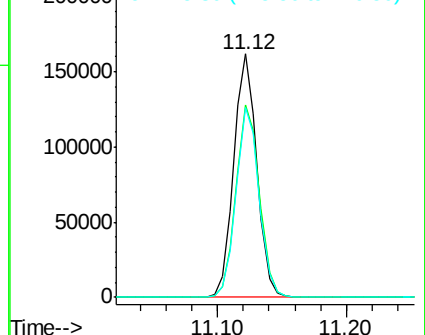
176 77.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

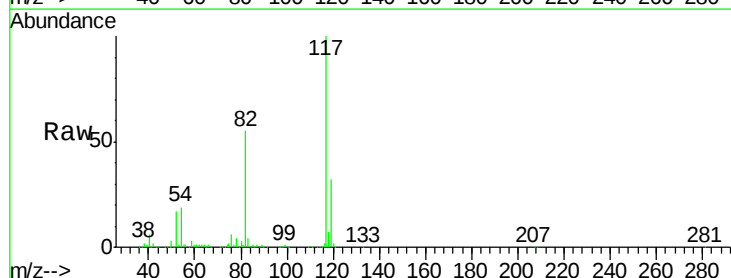
Tgt Ion: 117 Resp: 401014

Ion Ratio Lower Upper

117 100

82 54.9 44.4 66.6

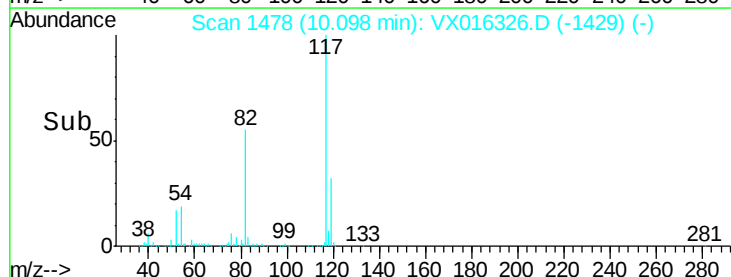
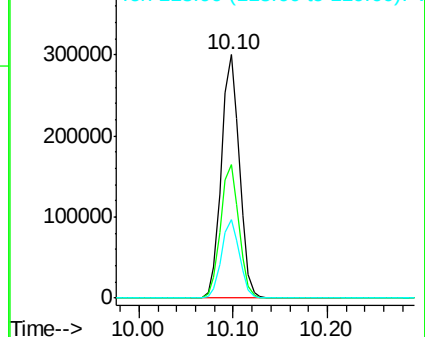
119 32.5 25.5 38.3

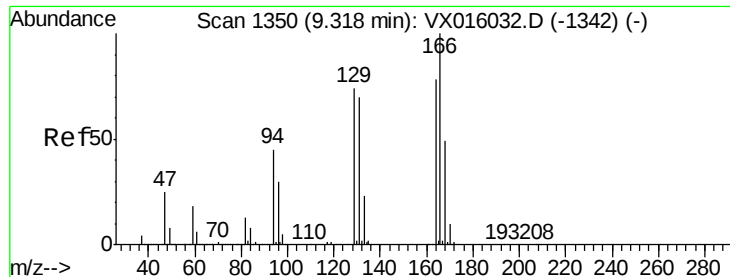


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#64

Tetrachloroethene

Concen: 546.345 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-200514

Tot Ion:164 Resp: 2689637

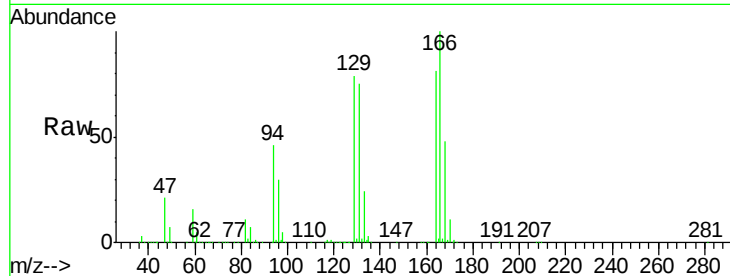
Ion Ratio Lower Upper

164 100

166 123.5 102.9 154.3

129 98.2 76.1 114.1

131 92.9 71.9 107.9

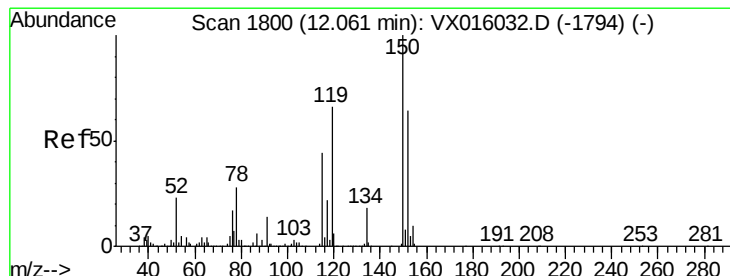
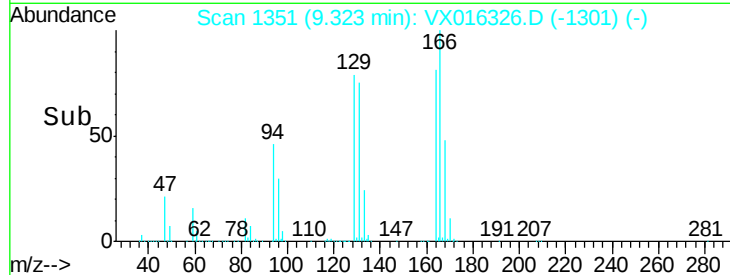
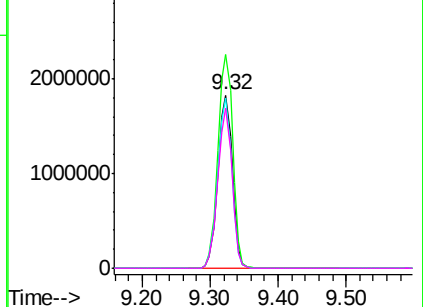


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

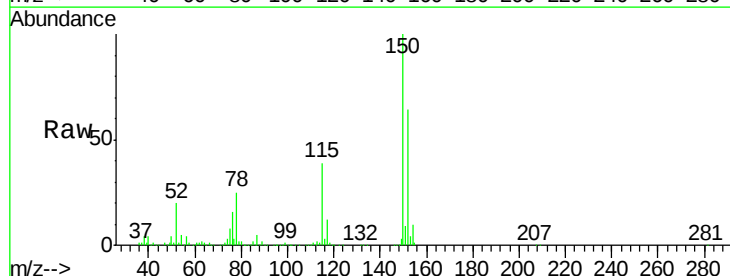
Tgt Ion:152 Resp: 201800

Ion Ratio Lower Upper

152 100

115 58.7 41.3 124.1

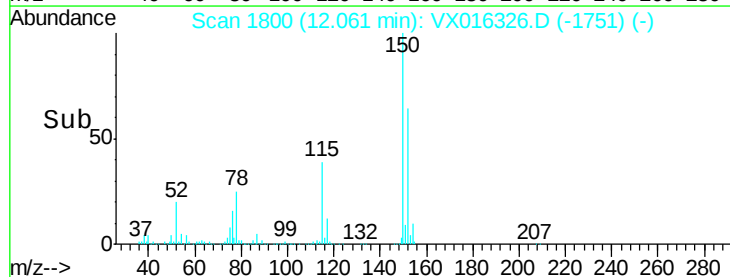
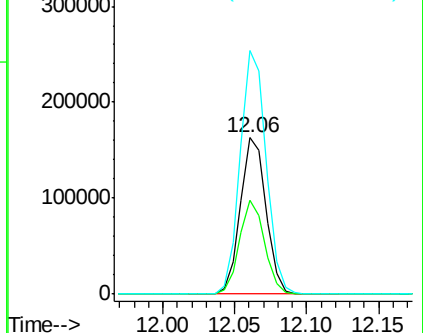
150 157.1 0.0 352.2

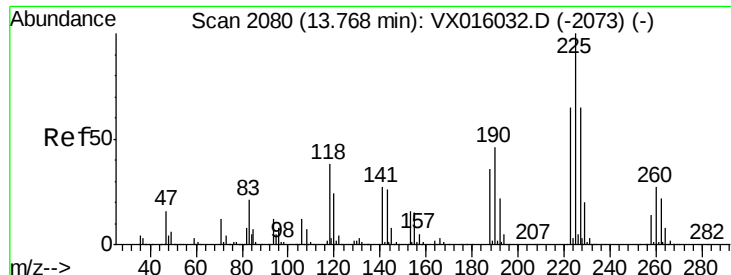


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#94

Hexachlorobutadiene

Concen: 1.294 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016326.D

Acq: 19 May 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-200514

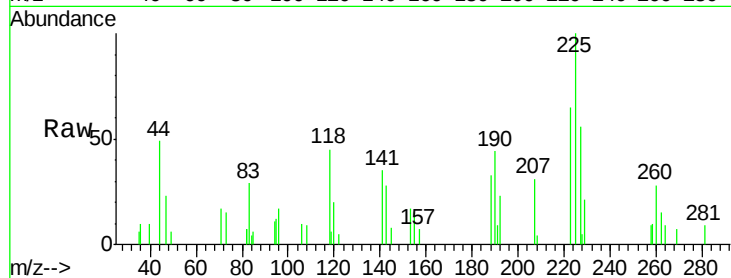
Tot Ion: 225 Resp: 1625

Ion Ratio Lower Upper

225 100

223 65.7 32.3 96.9

227 57.6 31.8 95.4



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

