

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050720\
 Data File : VX016092.D
 Acq On : 07 May 2020 14:33
 Operator : JC/SP
 Sample : L2546-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-TB-20200505

Quant Time: May 08 02:05:07 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	5.64	168	311904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	500235	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	488718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	256905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	188124	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
35) Dibromofluoromethane	5.47	113	148409	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.70	98	614122	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.12	95	246620	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	

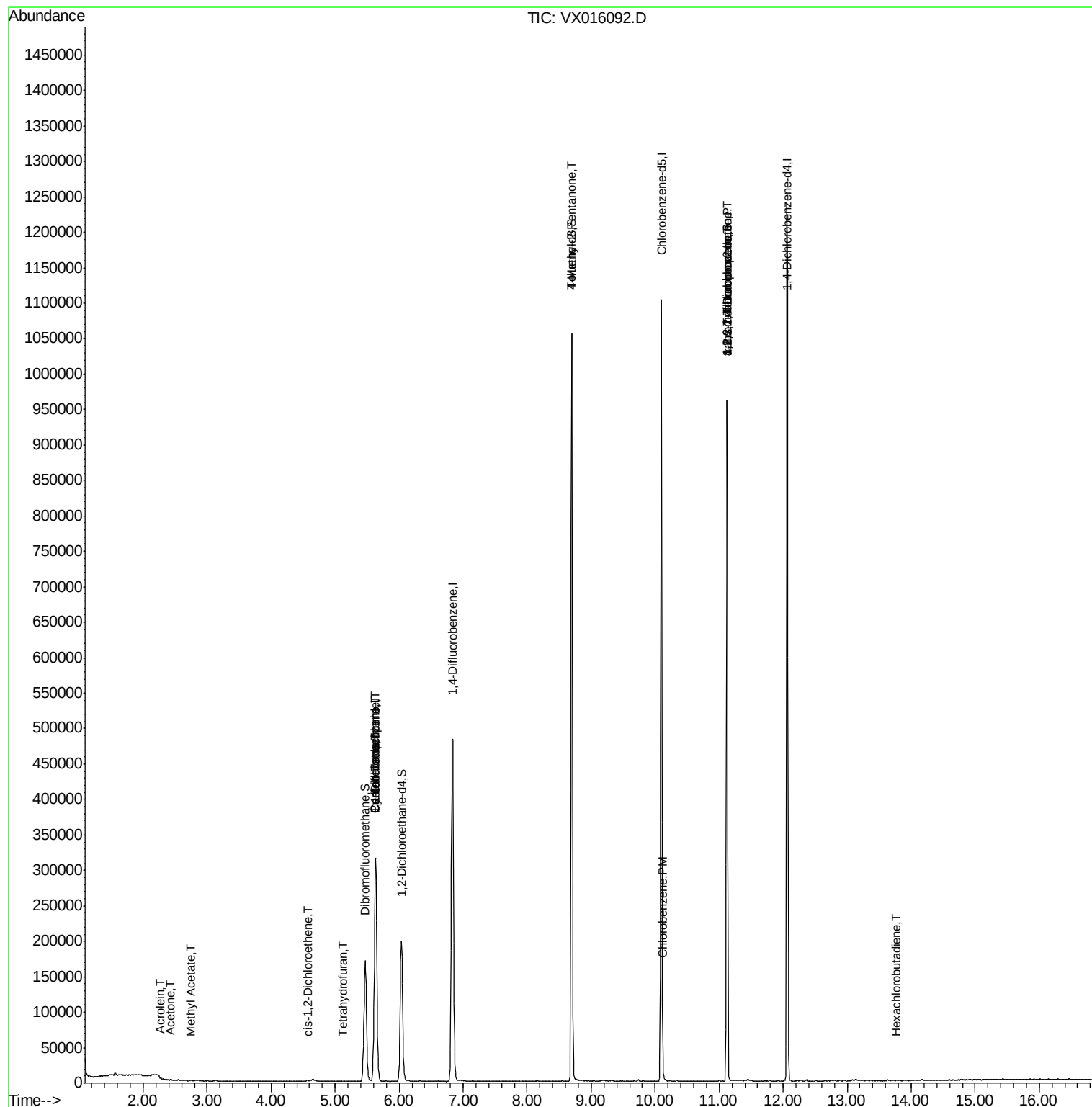
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.28	56	287	0.442	ug/l #	14
16) Acetone	2.42	43	464	0.253	ug/l #	43
17) Carbon Disulfide	2.56	76	1827	Below Cal		100
18) Methyl Acetate	2.75	43	907	0.201	ug/l #	54
27) cis-1,2-Dichloroethene	4.57	96	1448	0.367	ug/l	43
29) Tetrahydrofuran	5.12	42	397	0.203	ug/l #	31
31) Cyclohexane	5.64	56	6117	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23422	4.757	ug/l #	50
38) Carbon Tetrachloride	5.63	117	29952	5.984	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	2467	0.443	ug/l #	1
65) Chlorobenzene	10.12	112	2364	0.231	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.12	83	259	2.123	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	123232	21.138	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	123232	50.374	ug/l #	13
94) Hexachlorobutadiene	13.77	225	40	0.538	ug/l #	16

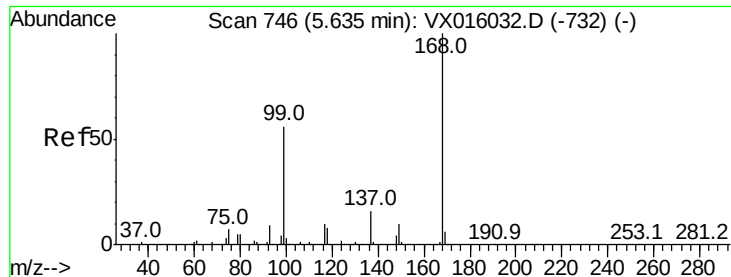
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

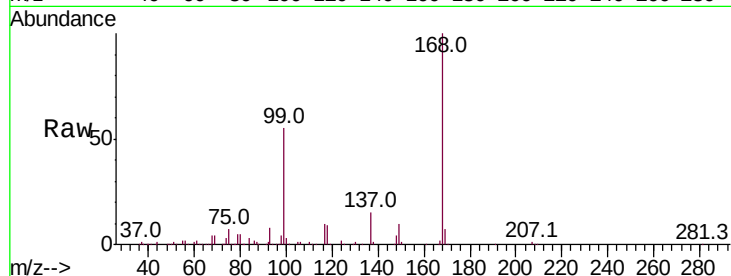
BP-VPB180-TB-20200505

Tot Ion:168 Resp: 311904

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

60000

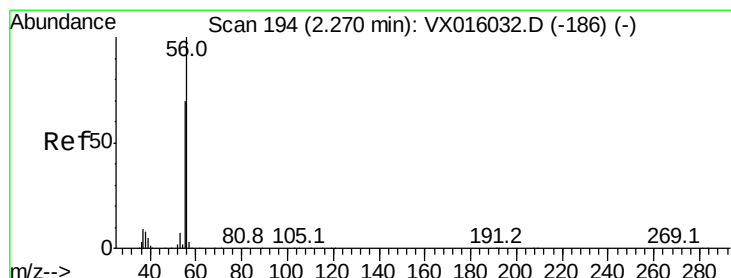
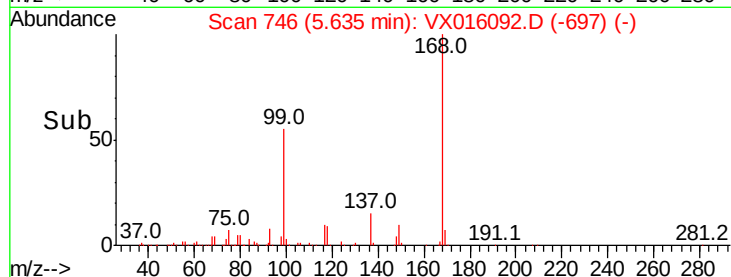
40000

20000

0

Time-->

5.50 5.60 5.70



#13

Acrolein

Concen: 0.442 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016092.D

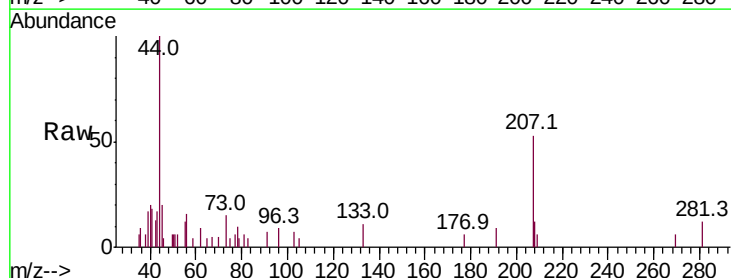
Acq: 07 May 2020 14:33

Tgt Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

300

250

200

150

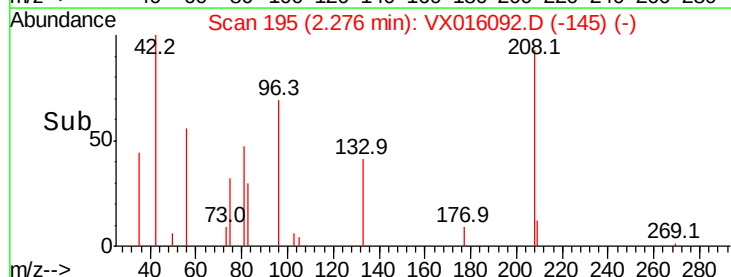
100

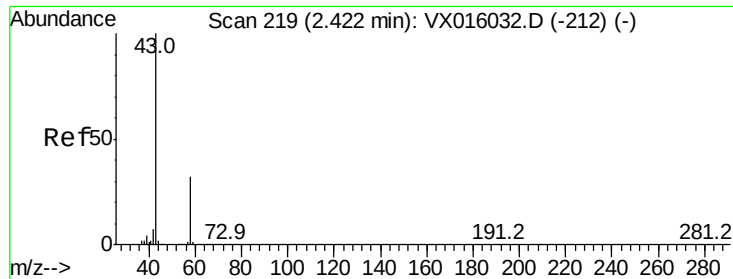
50

0

Time-->

2.24 2.26 2.28 2.30





#16

Acetone

Concen: 0.253 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

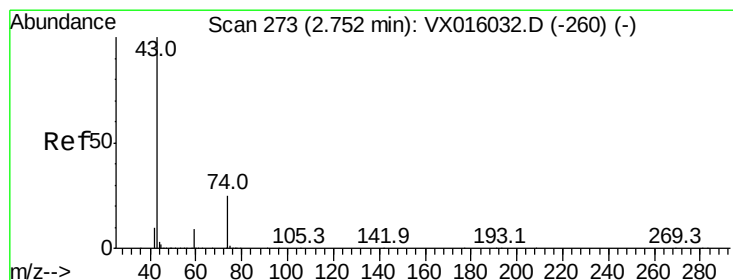
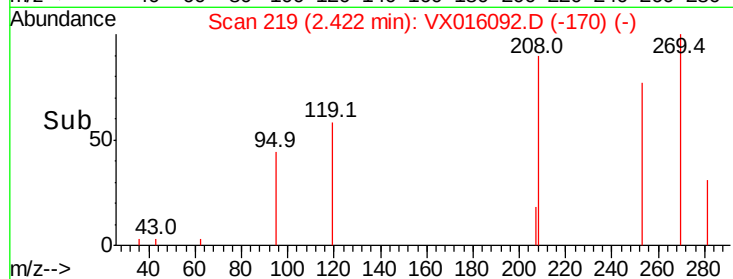
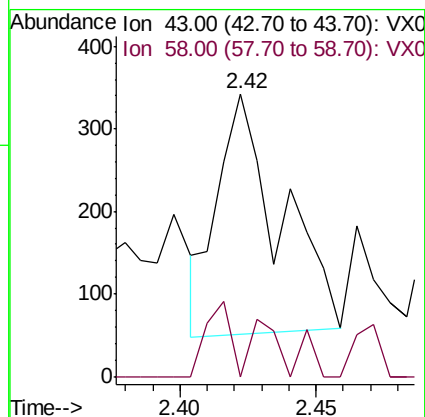
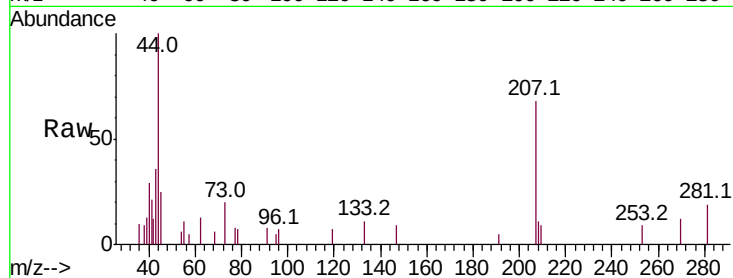
BP-VPB180-TB-20200505

Tot Ion: 43 Resp: 464

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



#18

Methyl Acetate

Concen: 0.201 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016092.D

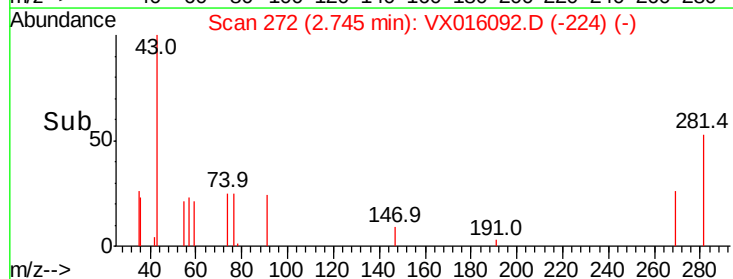
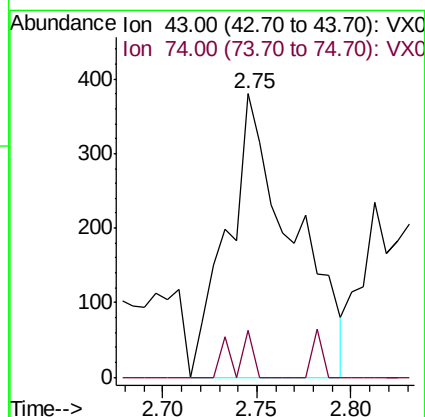
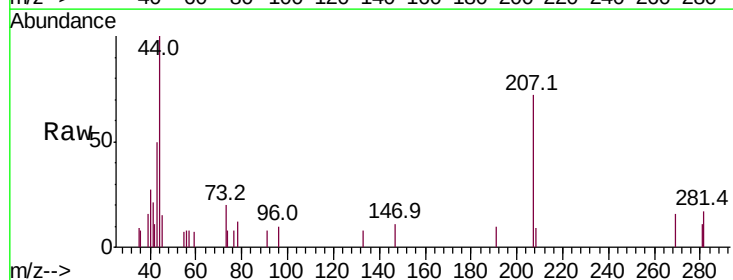
Acq: 07 May 2020 14:33

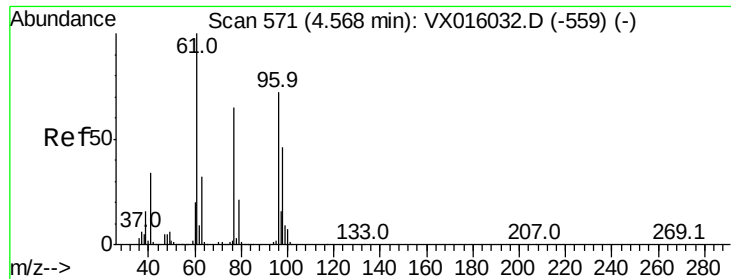
Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

74 2.2 20.2 30.2#



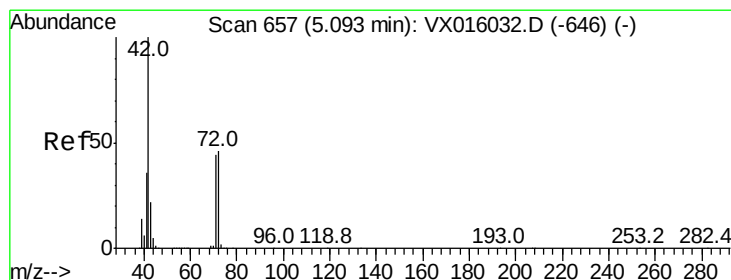
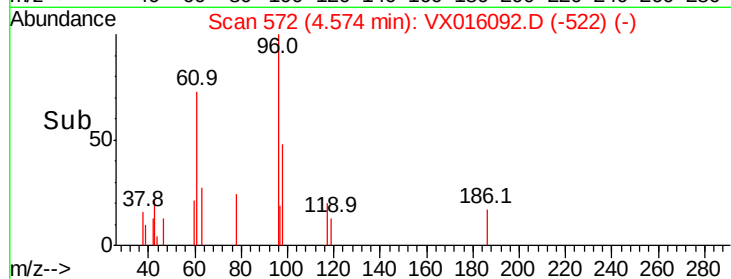
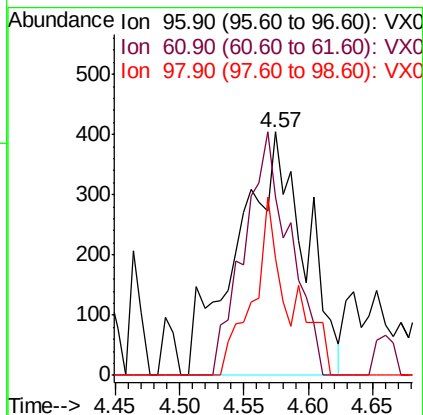
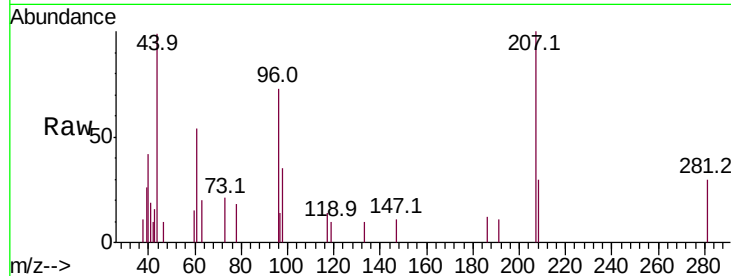


#27

cis-1,2-Dichloroethene
Concen: 0.367 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX016092.D
Acq: 07 May 2020 14:33

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200505

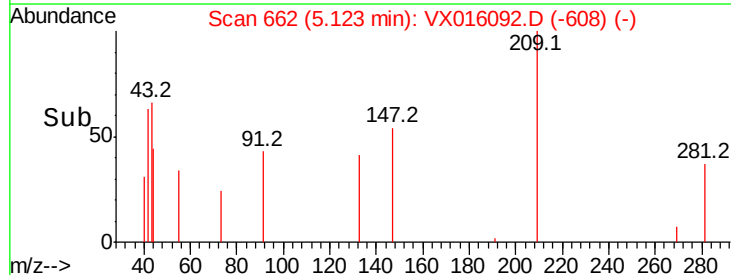
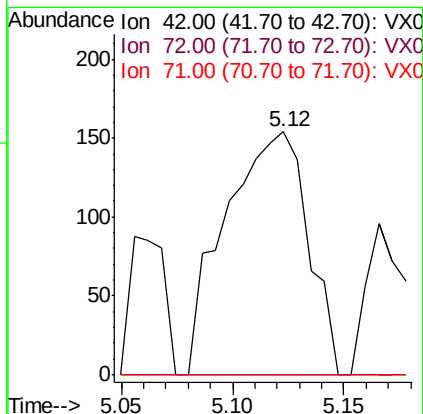
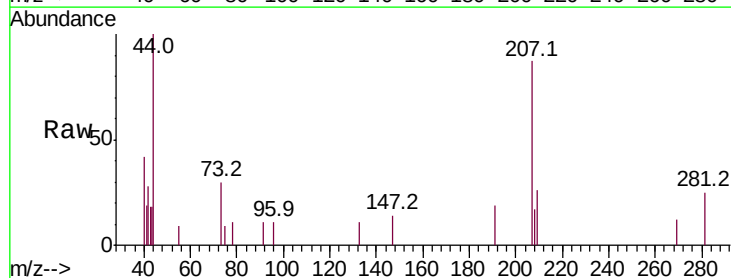
Tot Ion	Ratio	Lower	Upper
96	100		
61	68.8	0.0	296.2
98	29.8	0.0	129.4

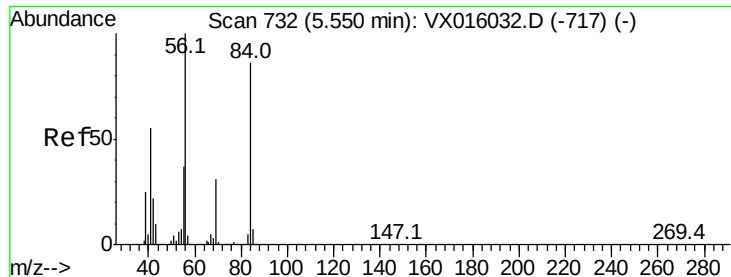


#29

Tetrahydrofuran
Concen: 0.203 ug/l
RT: 5.12 min Scan# 662
Delta R.T. 0.03 min
Lab File: VX016092.D
Acq: 07 May 2020 14:33

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.1	55.7#
71	0.0	34.5	51.7#

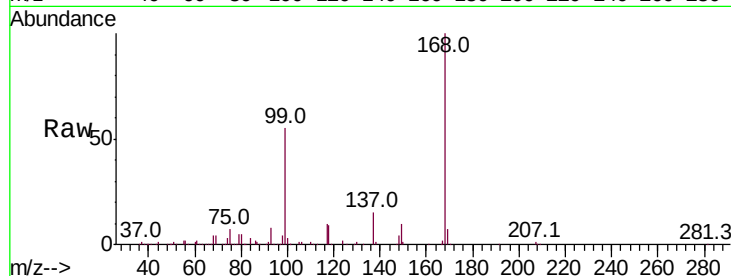




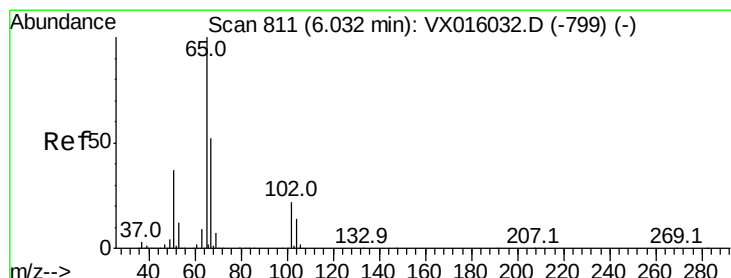
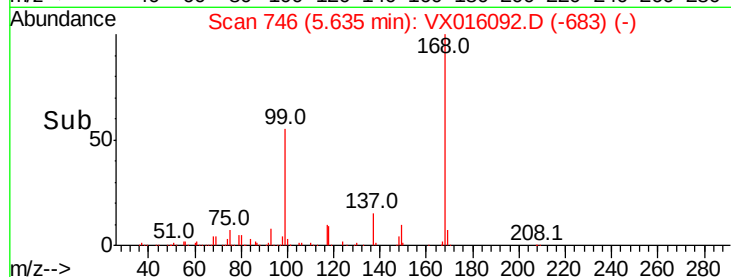
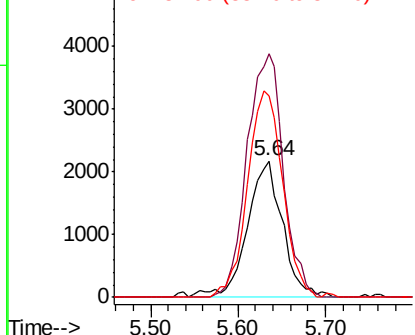
#31
Cyclohexane
Concen: 1.073 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016092.D
Acq: 07 May 2020 14:33

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200505

Tot Ion: 56 Resp: 6117
Ion Ratio Lower Upper
56 100
69 178.2 25.0 37.6#
84 147.8 69.0 103.6#

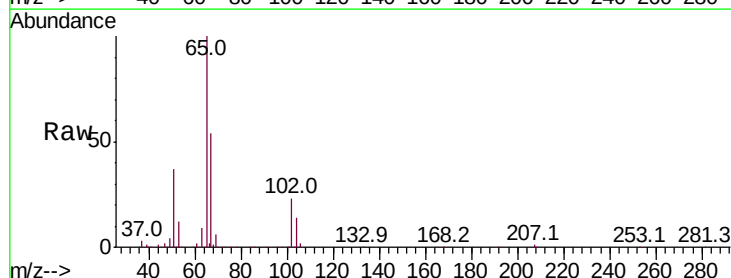


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

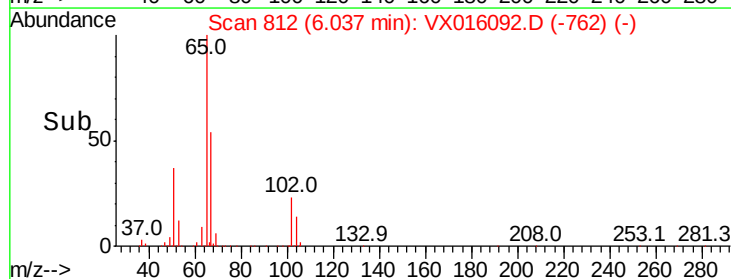
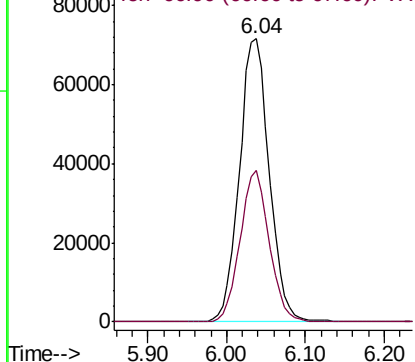


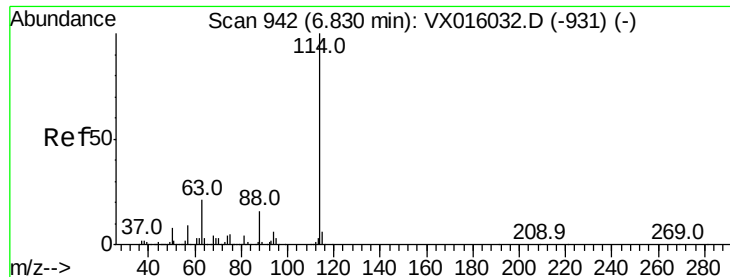
#33
1,2-Dichloroethane-d4
Concen: 45.835 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016092.D
Acq: 07 May 2020 14:33

Tgt Ion: 65 Resp: 188124
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200505

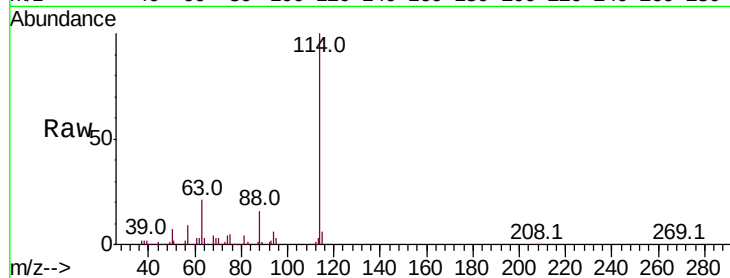
Tot Ion:114 Resp: 500235

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

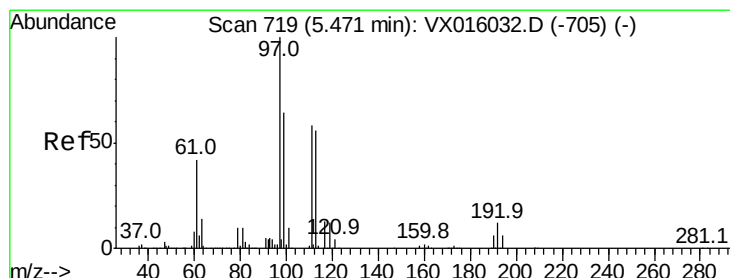
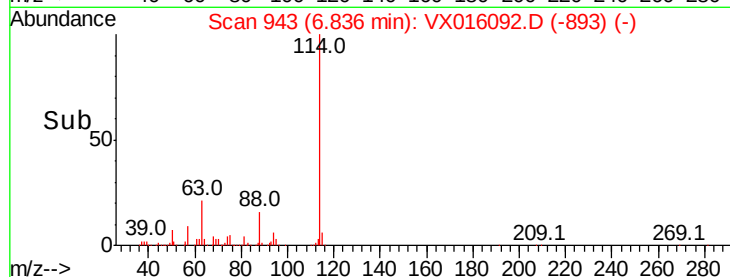
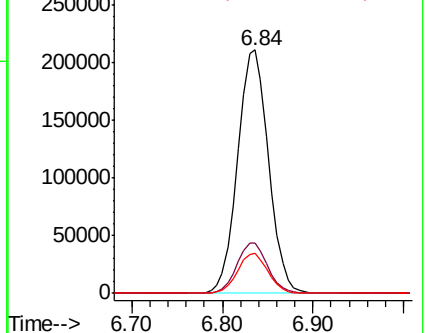
88 16.3 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 46.828 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

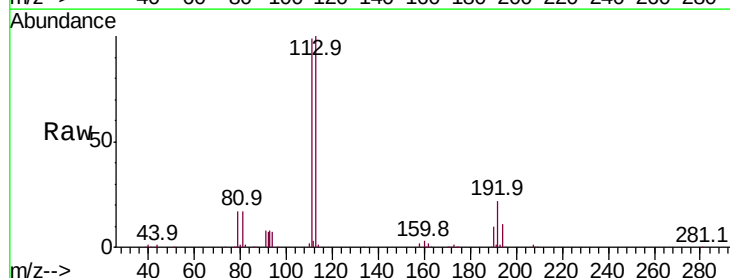
Tgt Ion:113 Resp: 148409

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

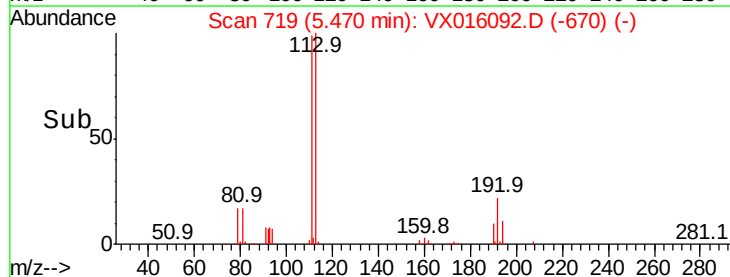
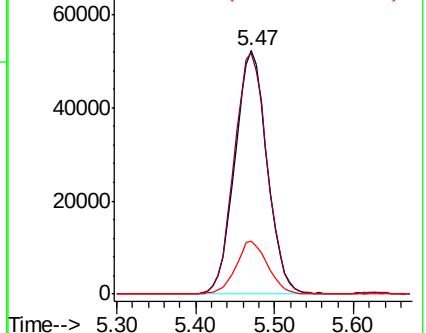
192 21.3 17.0 25.4

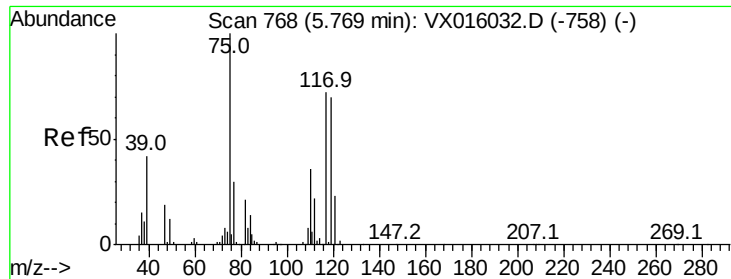


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.757 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200505

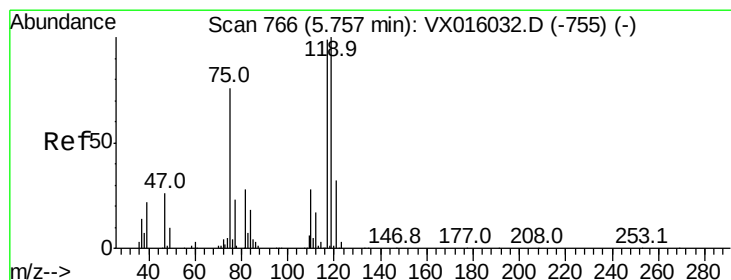
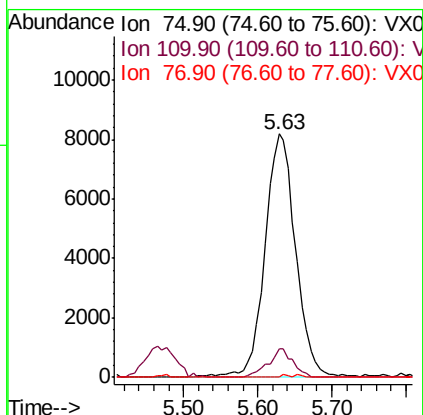
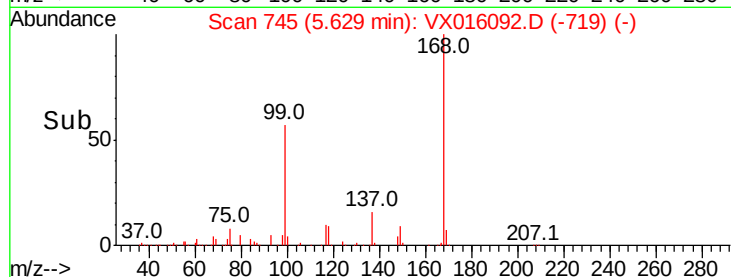
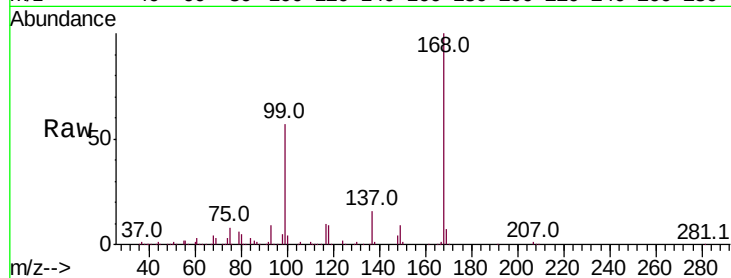
Tot Ion: 75 Resp: 23422

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

77 0.3 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.984 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

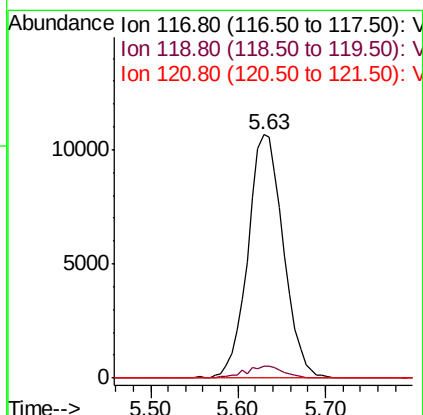
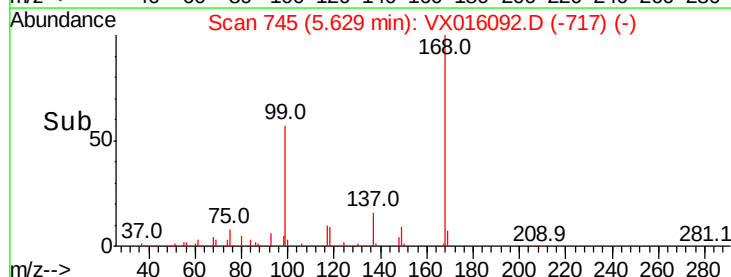
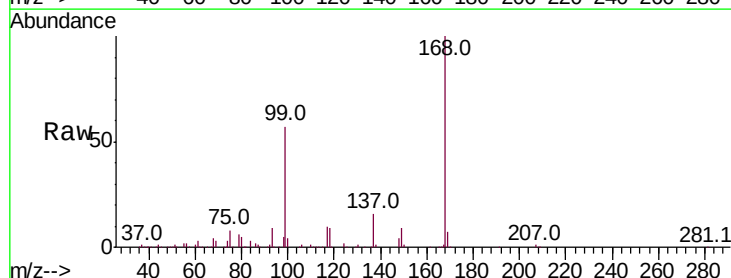
Tgt Ion: 117 Resp: 29952

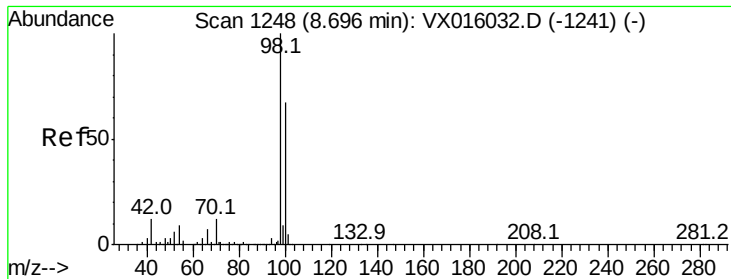
Ion Ratio Lower Upper

117 100

119 4.9 80.3 120.5#

121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 50.292 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

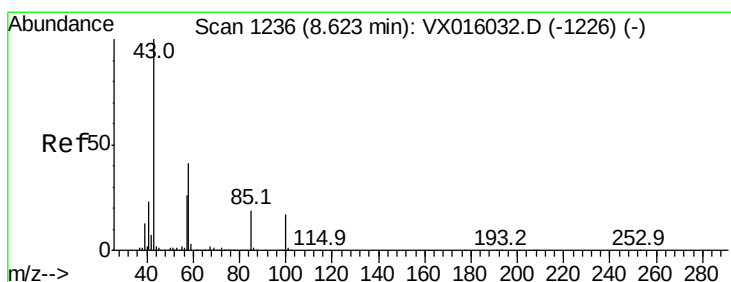
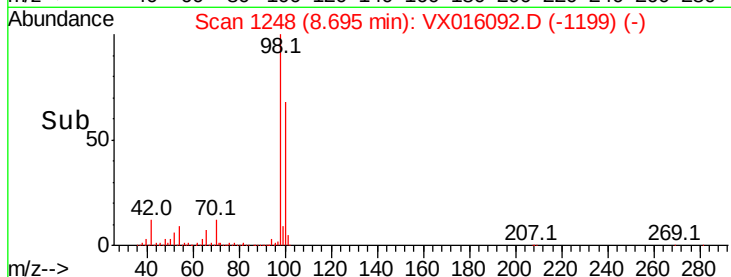
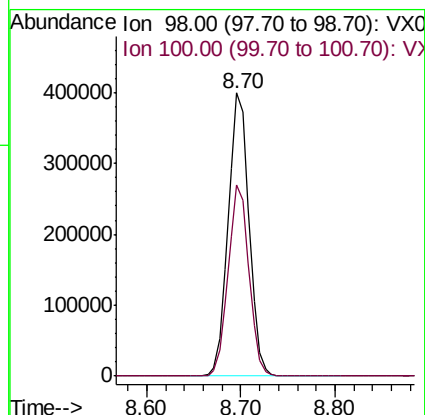
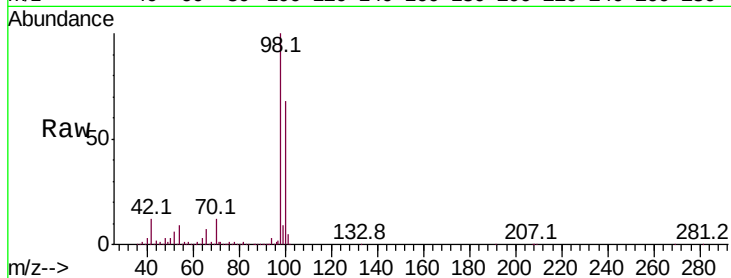
BP-VPB180-TB-20200505

Tot Ion: 98 Resp: 614122

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 0.443 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016092.D

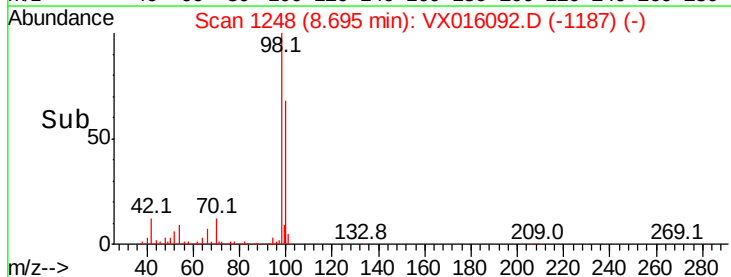
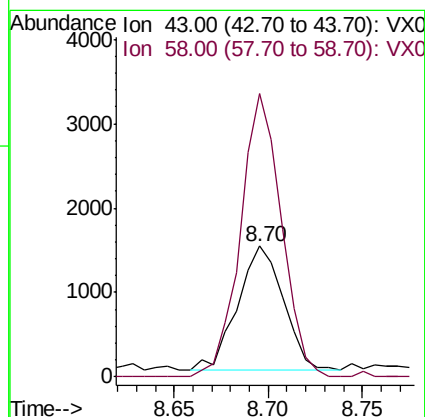
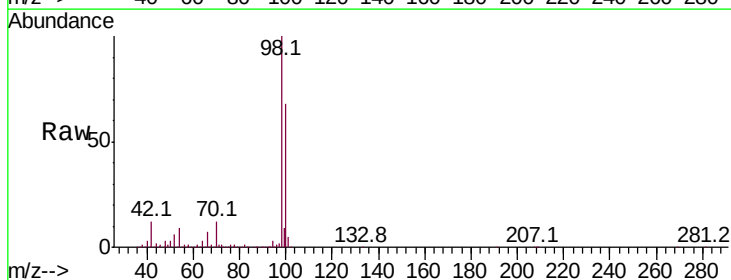
Acq: 07 May 2020 14:33

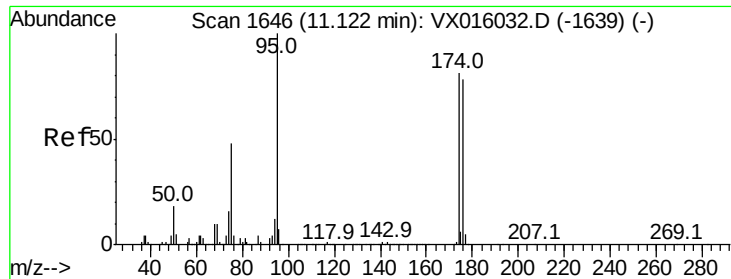
Tgt Ion: 43 Resp: 2467

Ion Ratio Lower Upper

43 100

58 204.8 33.0 49.4#





#62

4-Bromofluorobenzene

Concen: 53.099 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200505

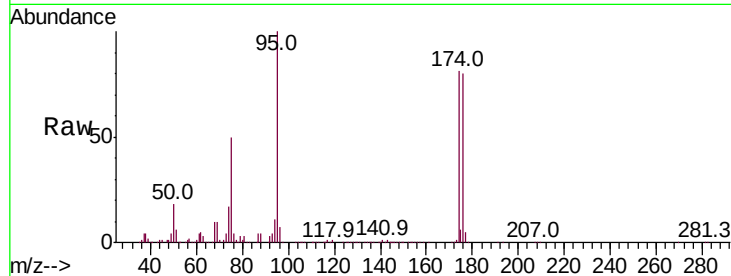
Tot Ion: 95 Resp: 246620

Ion Ratio Lower Upper

95 100

174 81.9 0.0 159.4

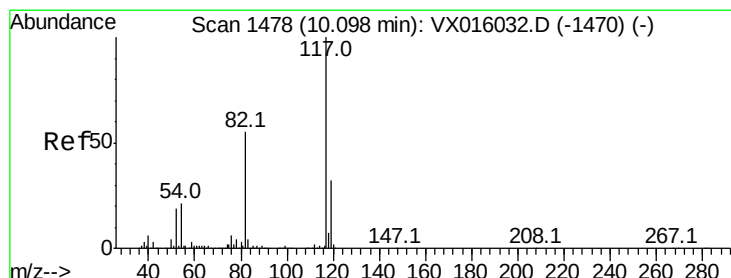
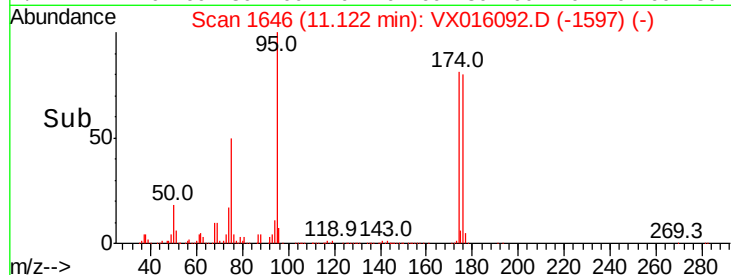
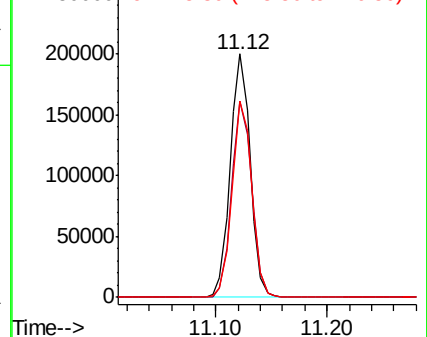
176 80.1 0.0 157.6



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: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

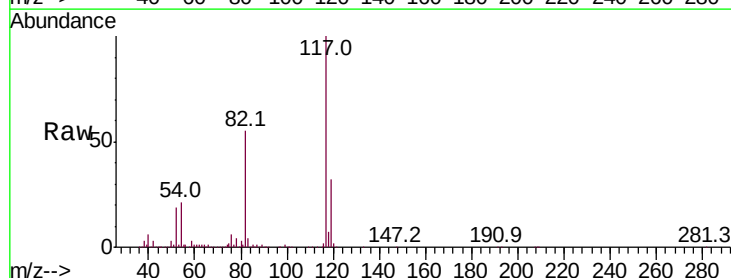
Tgt Ion: 117 Resp: 488718

Ion Ratio Lower Upper

117 100

82 54.8 44.4 66.6

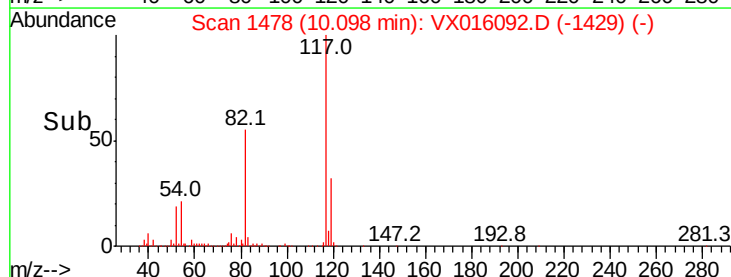
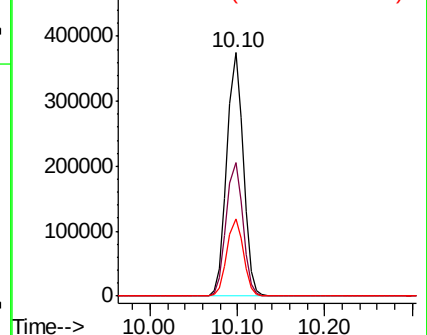
119 31.6 25.5 38.3

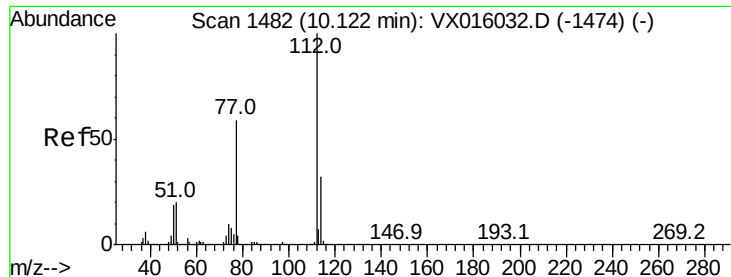


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 0.231 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

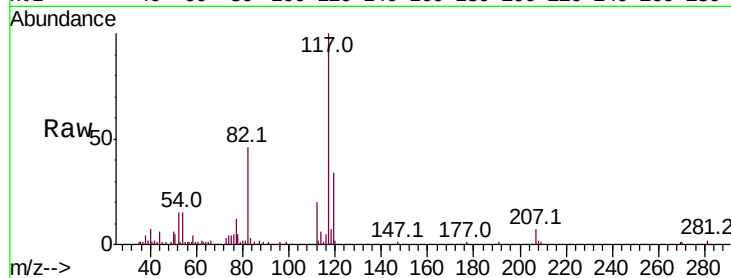
BP-VPB180-TB-20200505

Tot Ion:112 Resp: 2364

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

1500

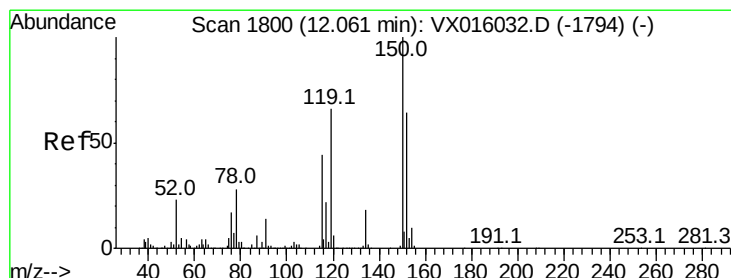
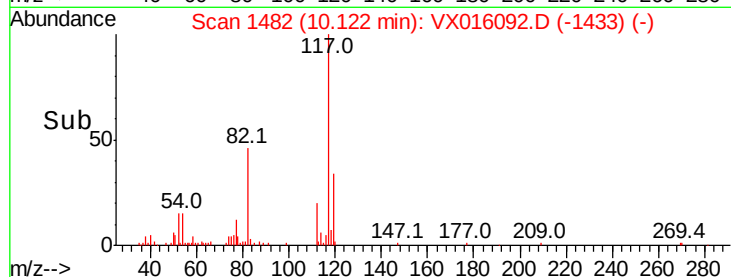
1000

500

0

10.10 10.15

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

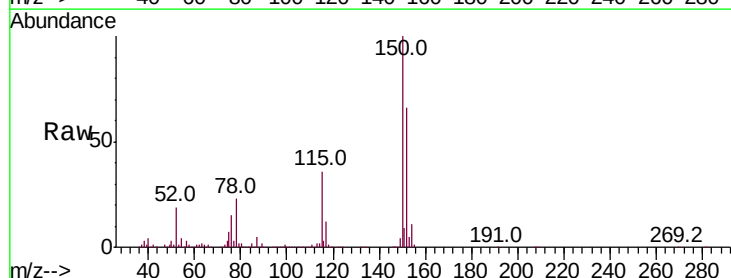
Tgt Ion:152 Resp: 256905

Ion Ratio Lower Upper

152 100

115 59.1 41.3 124.1

150 157.0 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

400000

300000

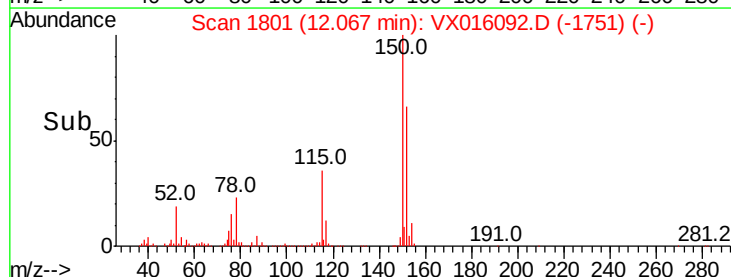
200000

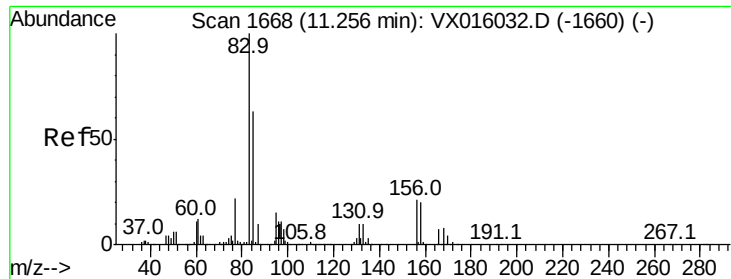
100000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.123 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200505

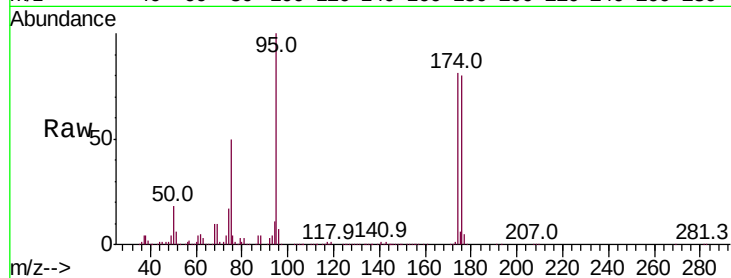
Tot Ion: 83 Resp: 259

Ion Ratio Lower Upper

83 100

131 140.5 5.1 15.4#

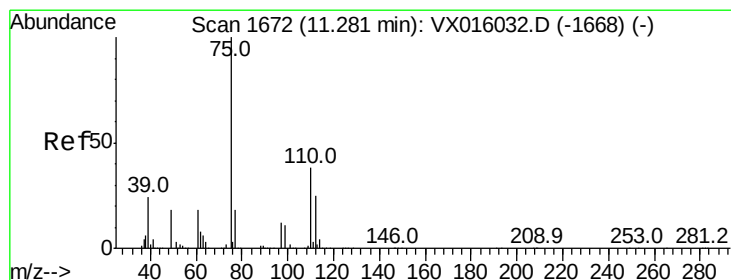
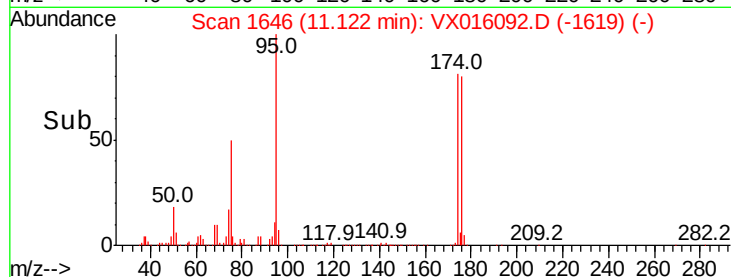
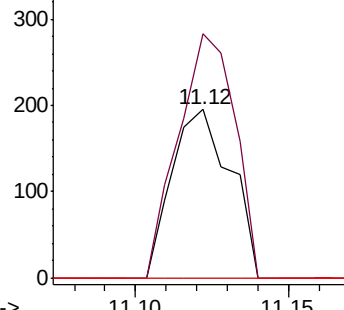
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.138 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016092.D

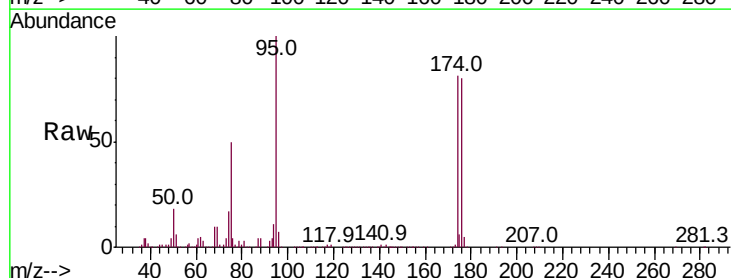
Acq: 07 May 2020 14:33

Tgt Ion: 75 Resp: 123232

Ion Ratio Lower Upper

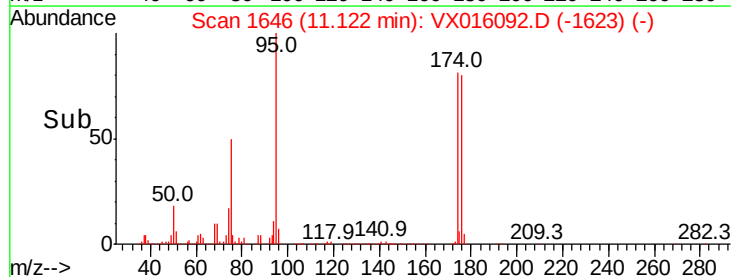
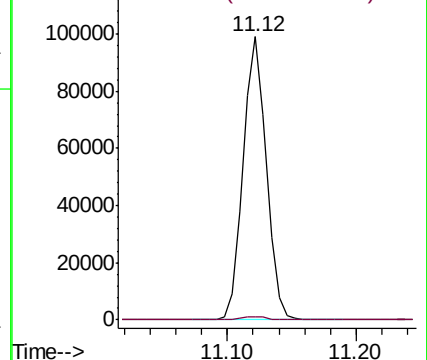
75 100

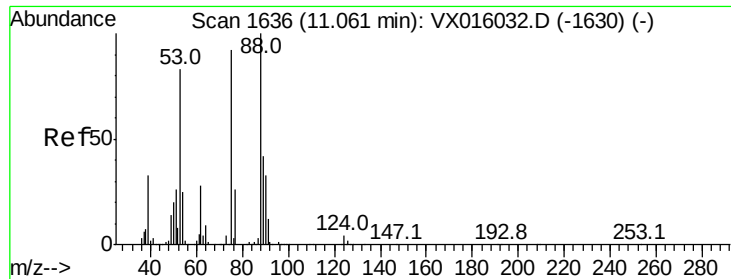
77 1.4 21.2 63.6#



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: 50.374 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200505

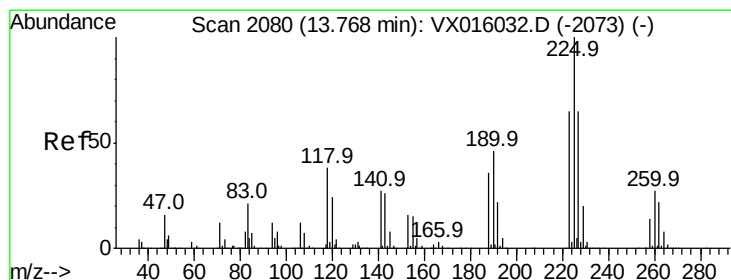
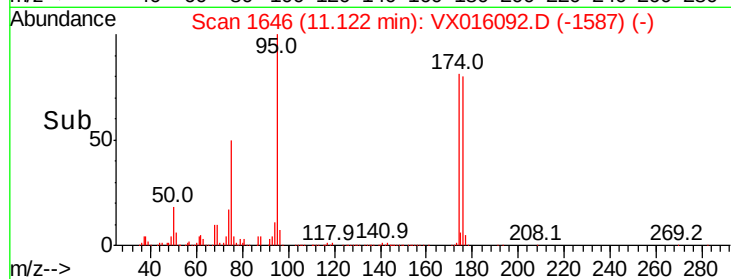
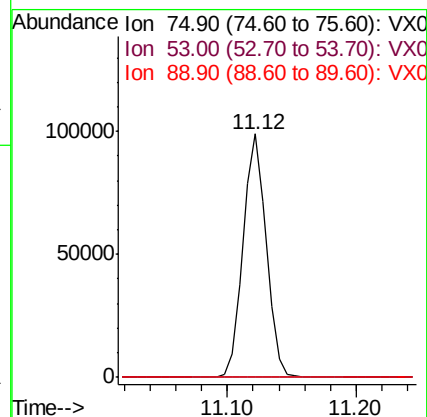
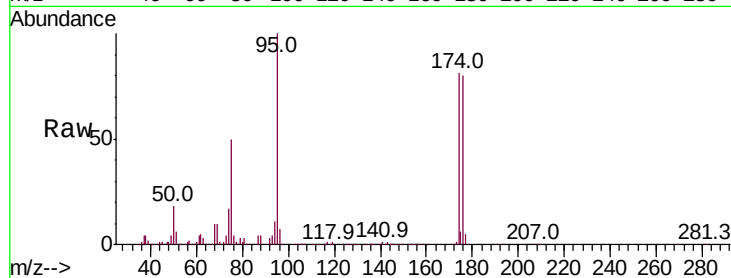
Tot Ion: 75 Resp: 123232

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



#94

Hexachlorobutadiene

Concen: 0.538 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016092.D

Acq: 07 May 2020 14:33

Tgt Ion: 225 Resp: 40

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.9#

227 130.0 31.8 95.4#

