

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010153.D
 Acq On : 08 Jun 2019 21:00
 Operator : JC/SP
 Sample : K3249-08 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305I-20190606

Quant Time: Jun 10 08:03:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	422299	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	388417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185509	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	124919	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	5.49	113	130465	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	8.71	98	502048	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.13	95	179097	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

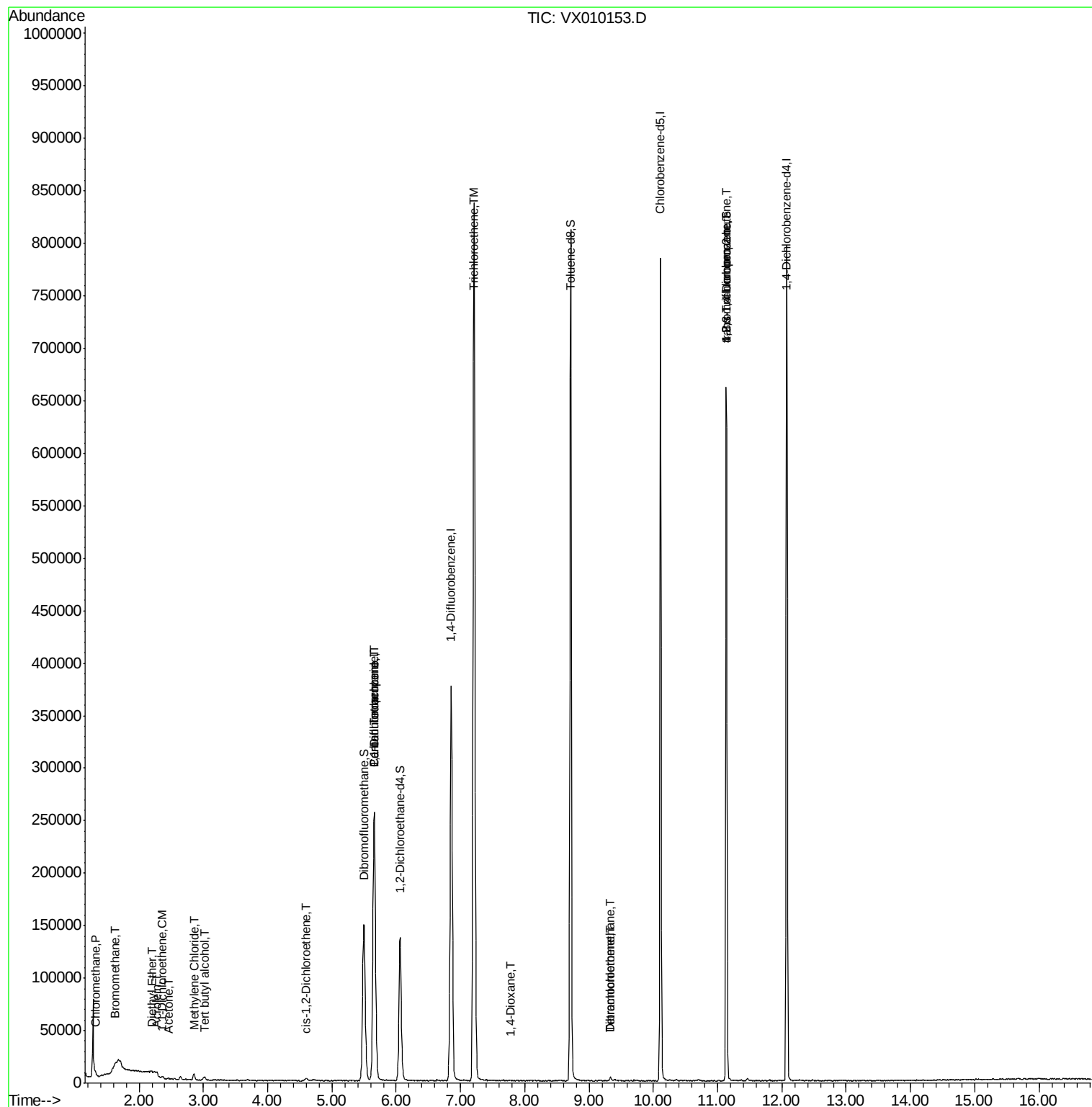
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	635	0.250	ug/l	99
5) Bromomethane	1.62	94	498	0.553	ug/l #	52
8) Diethyl Ether	2.20	74	260	0.213	ug/l	76
11) Tert butyl alcohol	3.02	59	1828	2.752	ug/l #	80
12) 1,1-Dichloroethene	2.36	96	581	0.233	ug/l #	34
13) Acrolein	2.27	56	196	1.618	ug/l	93
16) Acetone	2.46	43	1028	0.806	ug/l	95
20) Methylene Chloride	2.85	84	2753	0.983	ug/l #	67
27) cis-1,2-Dichloroethene	4.60	96	1235	0.402	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16271	4.723	ug/l #	53
38) Carbon Tetrachloride	5.65	117	23721	6.083	ug/l #	15
44) Trichloroethene	7.21	130	357012	111.174	ug/l	85
49) 1,4-Dioxane	7.78	88	31	0.388	ug/l #	18
60) Dibromochloromethane	9.34	129	680	0.200	ug/l #	11
64) Tetrachloroethene	9.33	164	665	0.231	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	79618	21.457	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	79618	47.408	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

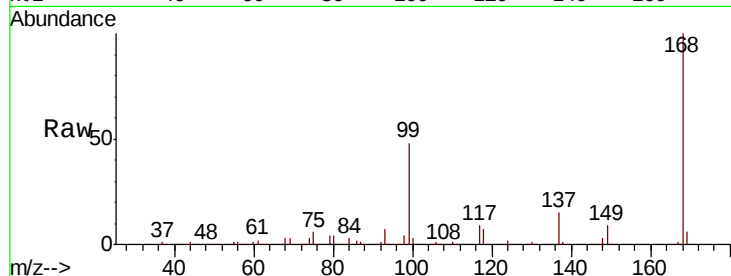
BPS1-TT-MW305I-20190606

Tgt Ion:168 Resp: 277826

Ion Ratio Lower Upper

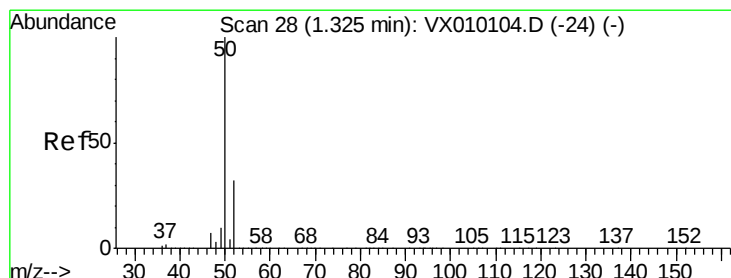
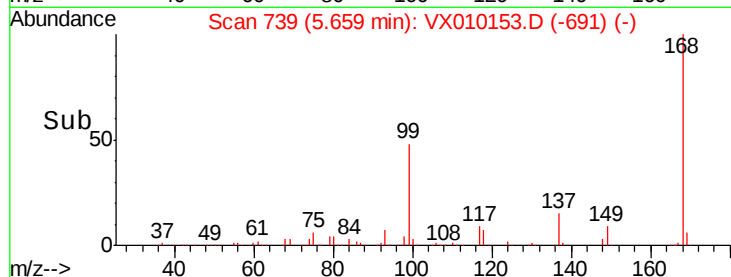
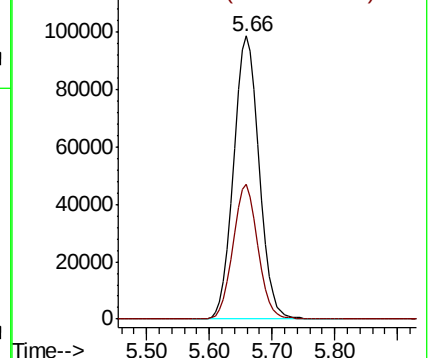
168 100

99 47.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010153.D

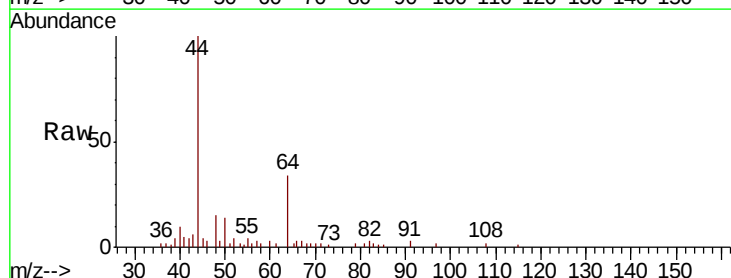
Acq: 08 Jun 2019 21:00

Tgt Ion: 50 Resp: 635

Ion Ratio Lower Upper

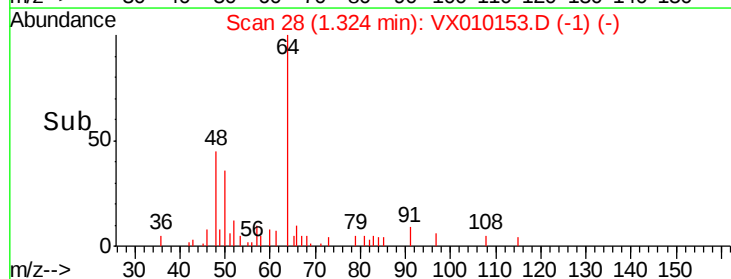
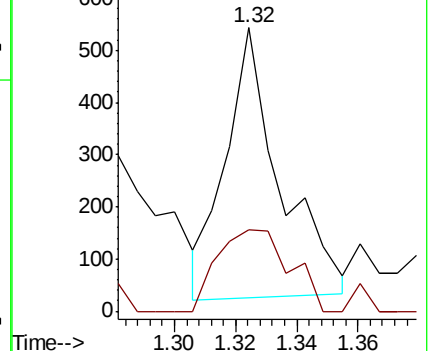
50 100

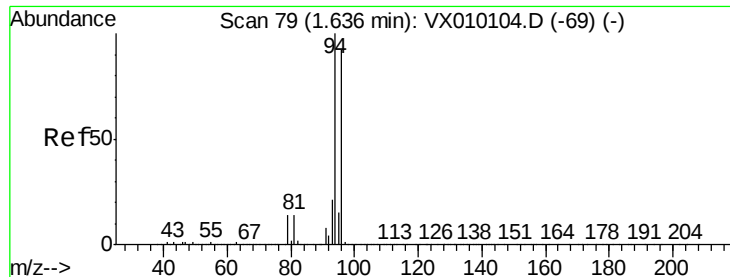
52 33.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.553 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

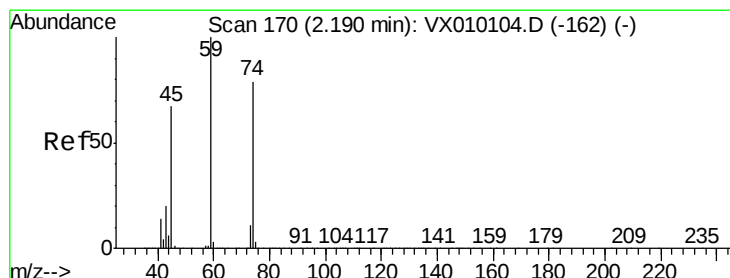
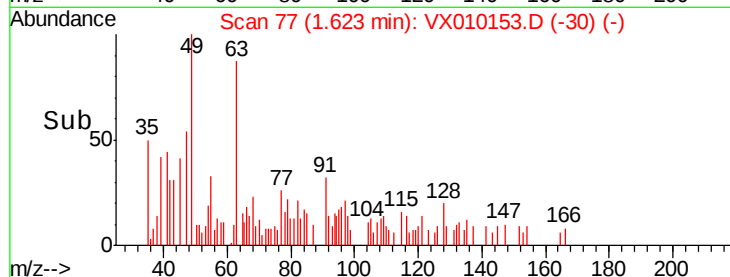
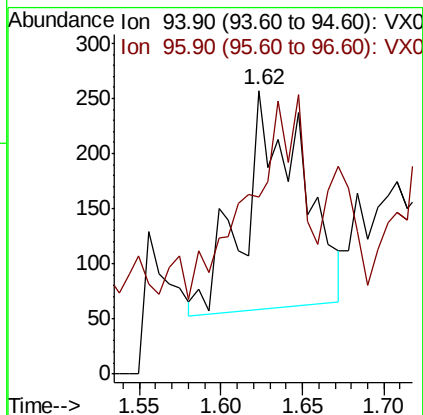
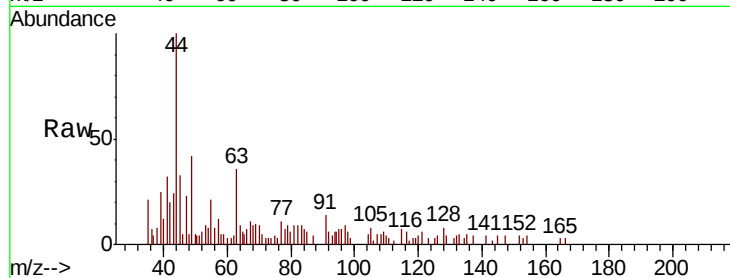
BPS1-TT-MW305I-20190606

Tgt Ion: 94 Resp: 498

Ion Ratio Lower Upper

94 100

96 48.4 76.2 114.4#



#8

Diethyl Ether

Concen: 0.213 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX010153.D

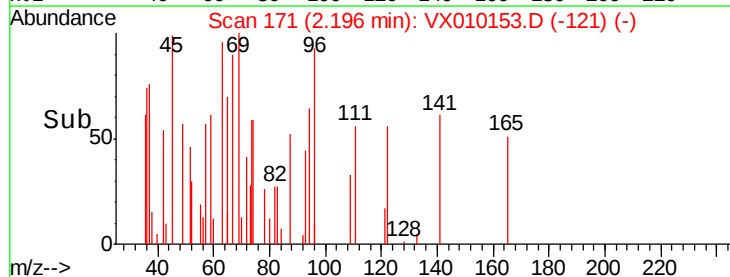
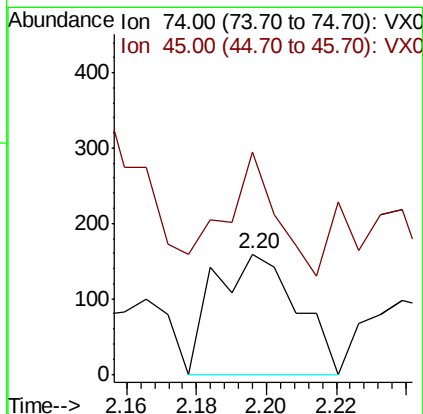
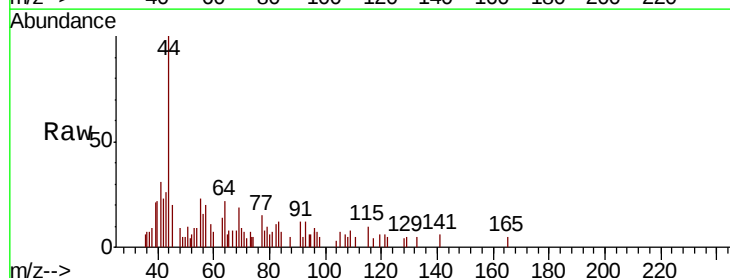
Acq: 08 Jun 2019 21:00

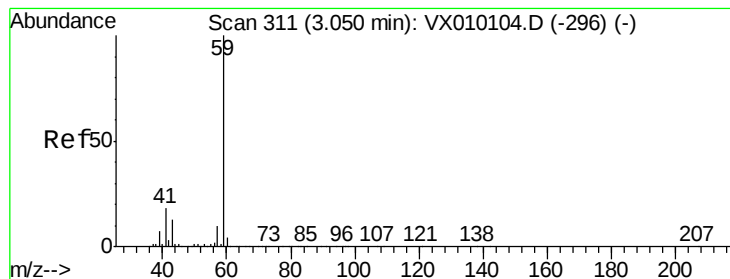
Tgt Ion: 74 Resp: 260

Ion Ratio Lower Upper

74 100

45 86.2 56.1 168.3



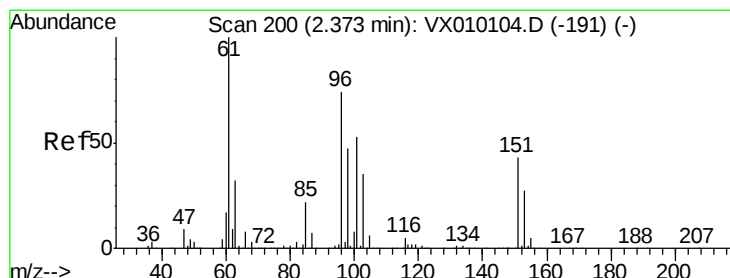
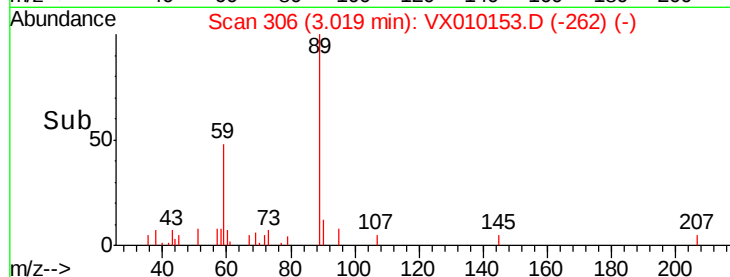
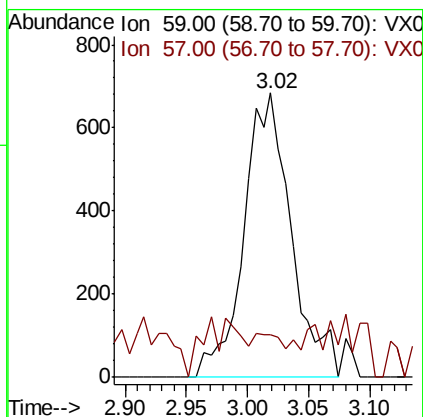
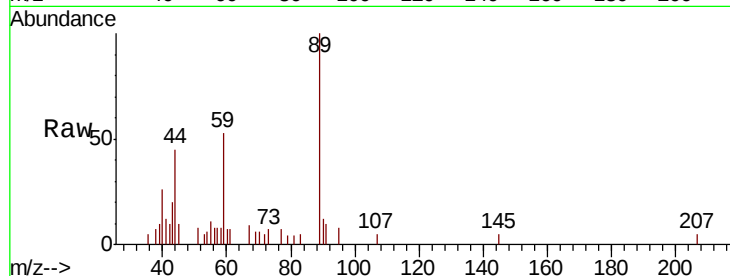


#11

Tert butyl alcohol
Concen: 2.752 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305I-20190606

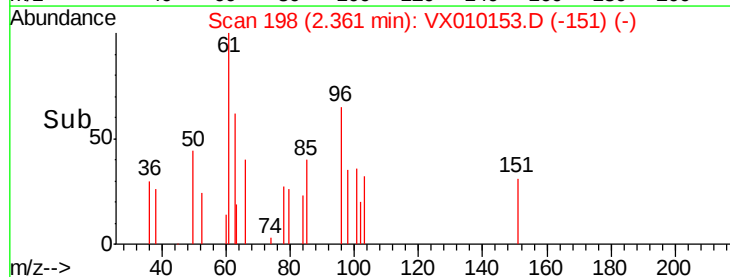
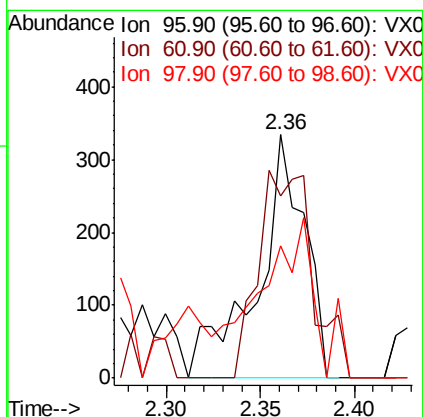
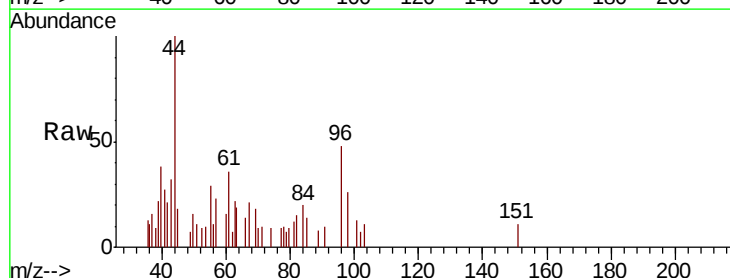
Tgt Ion: 59 Resp: 1828
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.2#

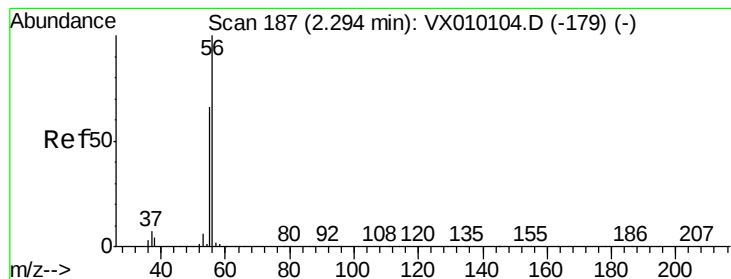


#12

1,1-Dichloroethene
Concen: 0.233 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Tgt Ion: 96 Resp: 581
Ion Ratio Lower Upper
96 100
61 74.9 140.7 211.1#
98 24.9 50.1 75.1#





#13

Acrolein

Concen: 1.618 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

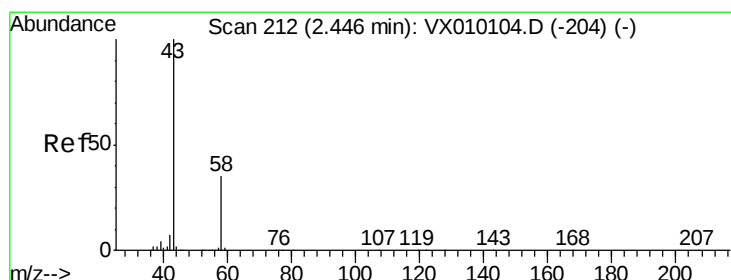
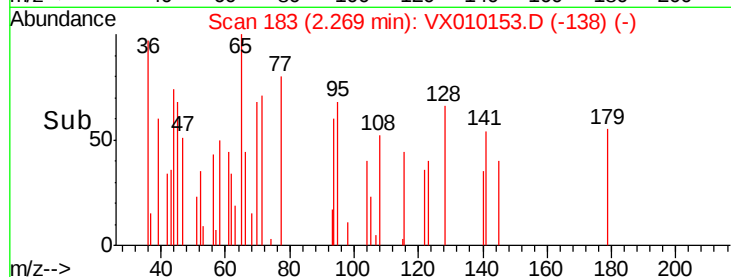
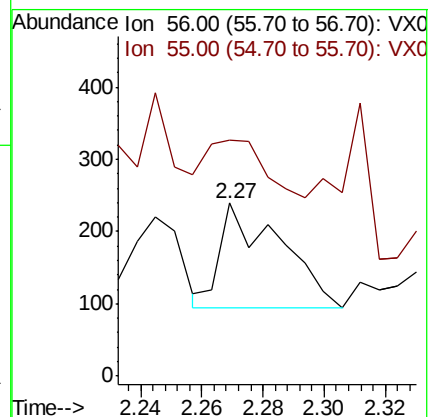
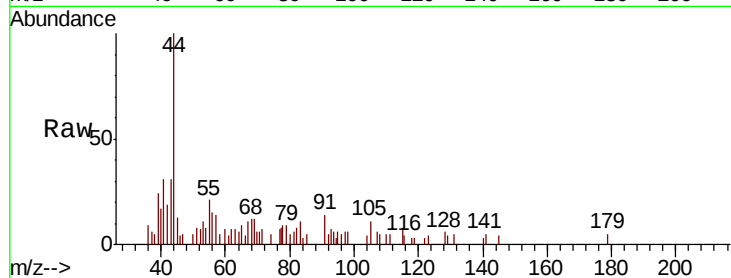
BPS1-TT-MW305I-20190606

Tgt Ion: 56 Resp: 196

Ion Ratio Lower Upper

56 100

55 65.8 57.0 85.4



#16

Acetone

Concen: 0.806 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX010153.D

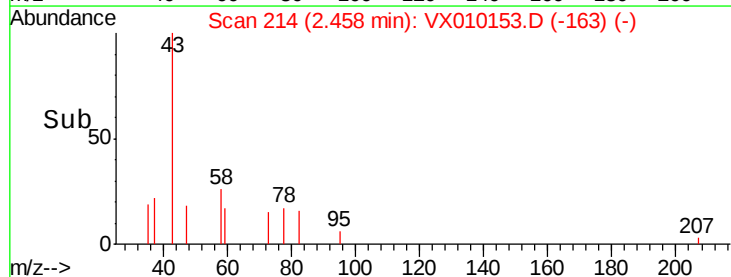
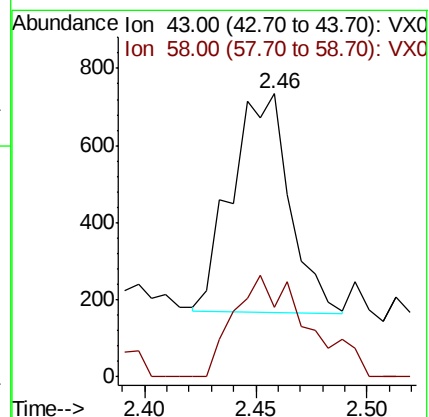
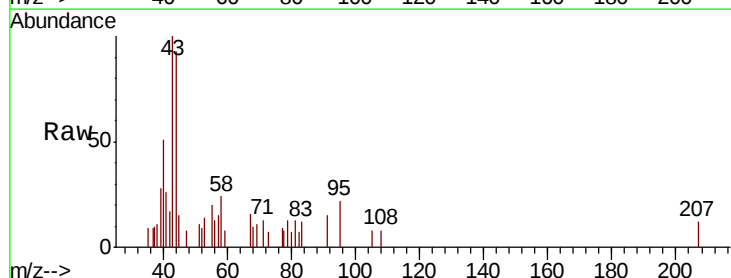
Acq: 08 Jun 2019 21:00

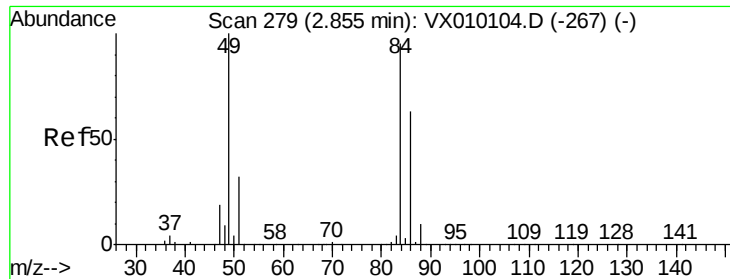
Tgt Ion: 43 Resp: 1028

Ion Ratio Lower Upper

43 100

58 31.8 23.2 34.8

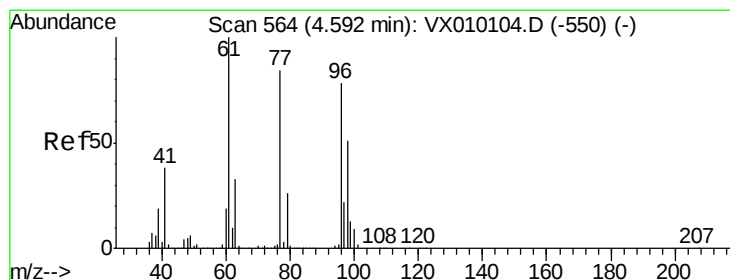
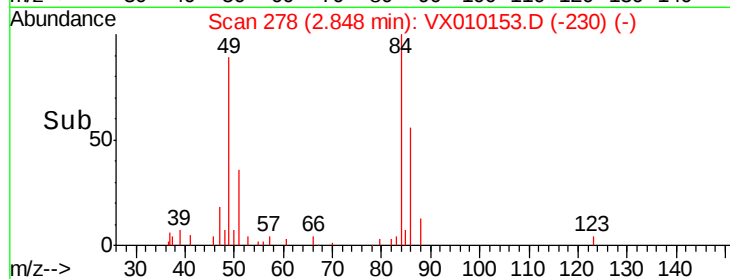
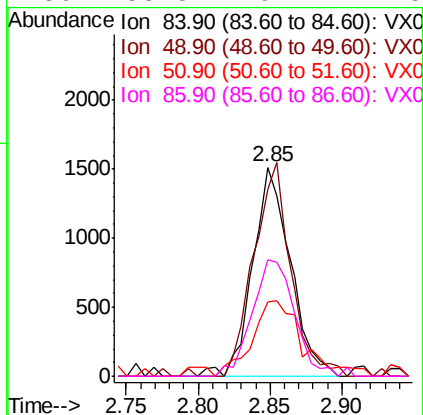
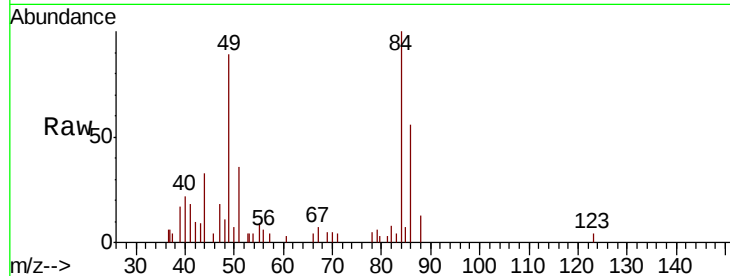




#20
Methylene Chloride
Concen: 0.983 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

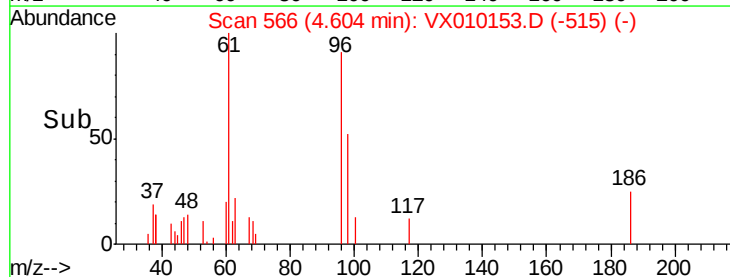
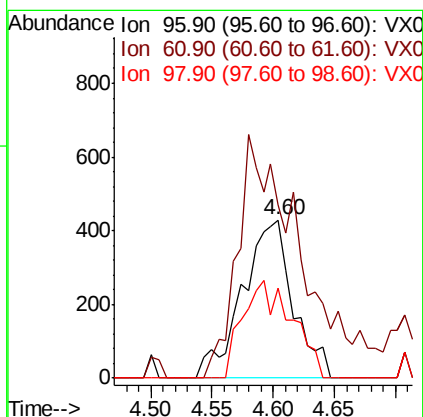
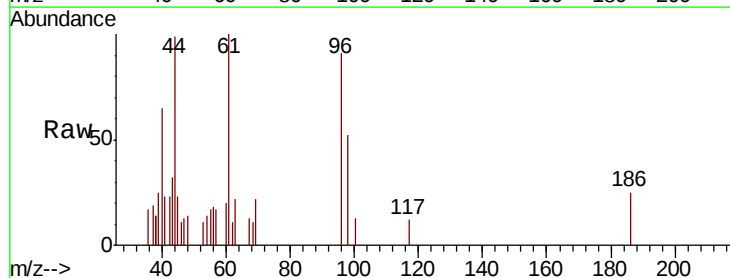
Instrument :
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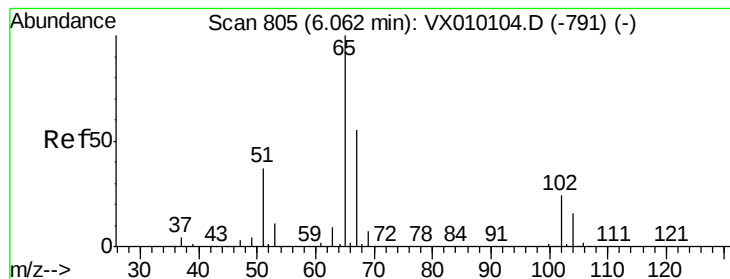
Tgt Ion: 84 Resp: 2753
Ion Ratio Lower Upper
84 100
49 85.3 115.8 173.6#
51 31.5 34.4 51.6#
86 55.8 49.7 74.5



#27
cis-1,2-Dichloroethene
Concen: 0.402 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Tgt Ion: 96 Resp: 1235
Ion Ratio Lower Upper
96 100
61 0.0 0.0 334.0
98 0.0 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 46.063 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

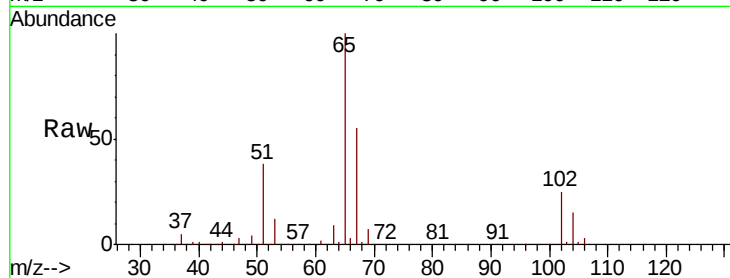
BPS1-TT-MW305I-20190606

Tgt Ion: 65 Resp: 124919

Ion Ratio Lower Upper

65 100

67 55.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

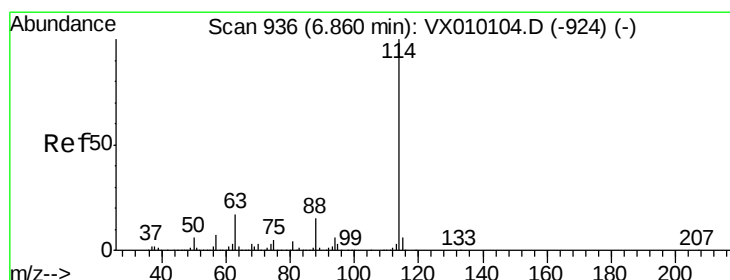
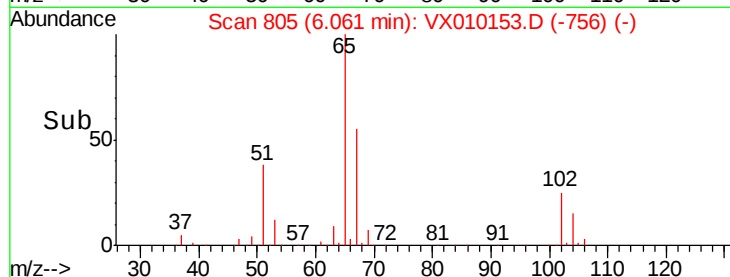
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

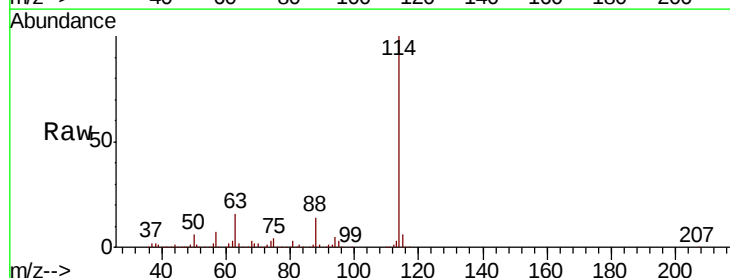
Tgt Ion: 114 Resp: 422299

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

88 14.0 0.0 33.0



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

250000

200000

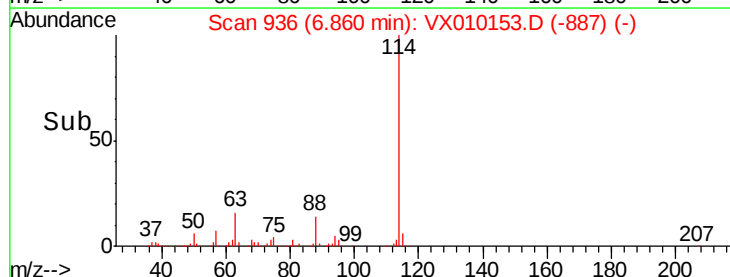
150000

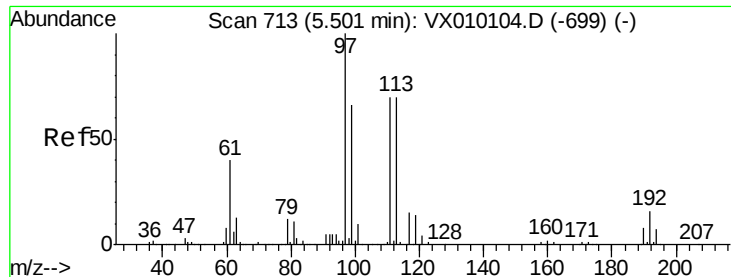
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.086 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

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ClientSampleId :

BPS1-TT-MW305I-20190606

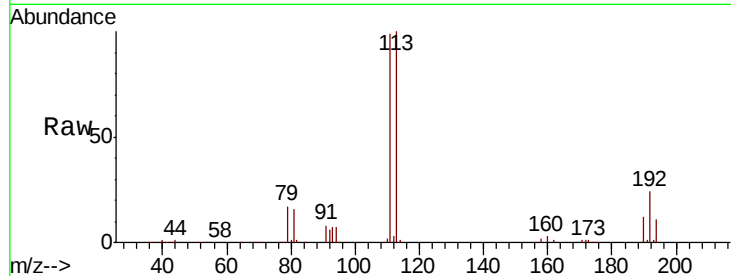
Tgt Ion:113 Resp: 130465

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

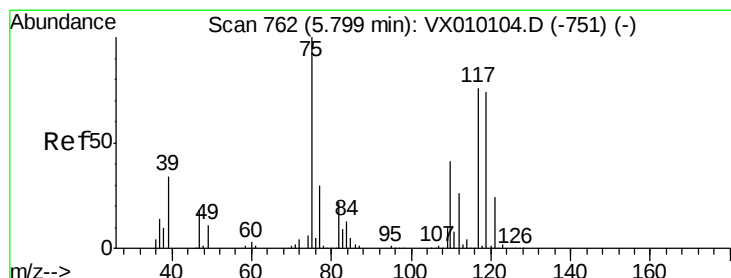
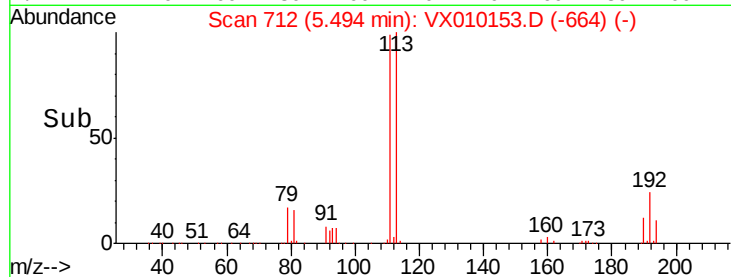
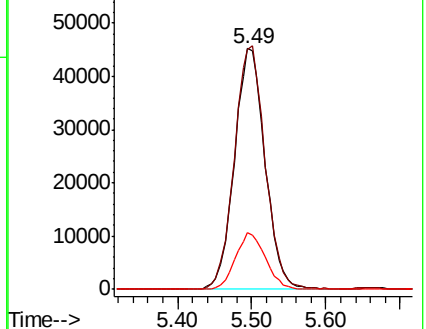
192 23.2 17.1 25.7



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: 4.723 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

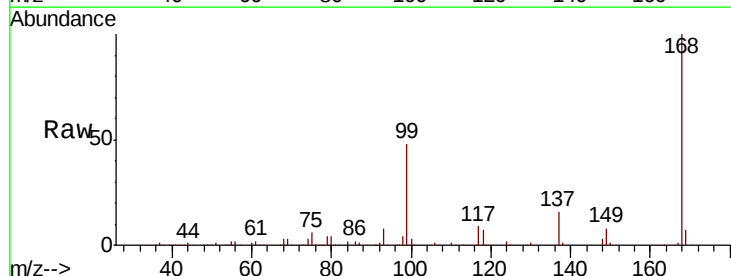
Tgt Ion: 75 Resp: 16271

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.1#

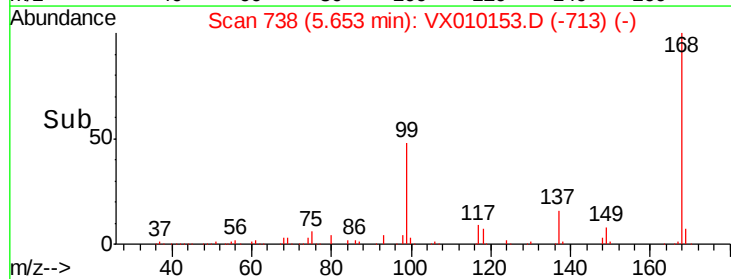
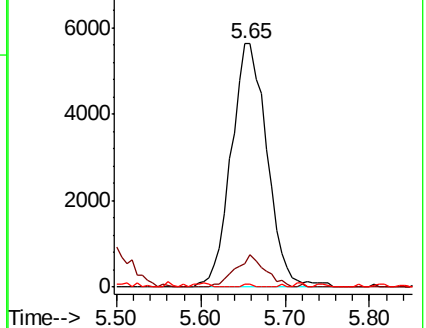
77 0.3 25.0 37.4#

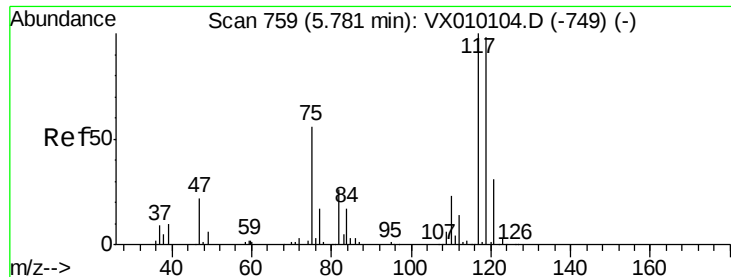


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

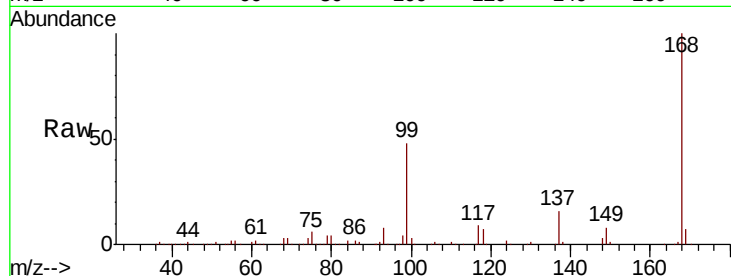




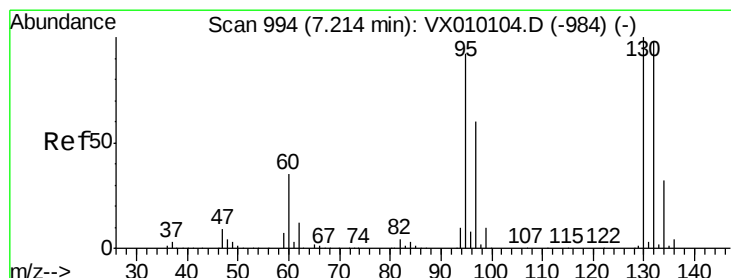
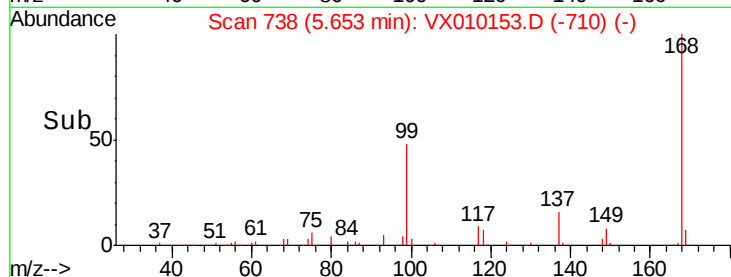
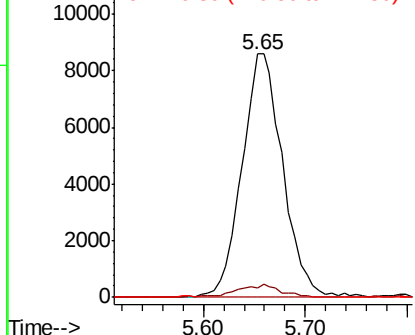
#38
Carbon Tetrachloride
Concen: 6.083 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305I-20190606

Tgt Ion:117 Resp: 23721
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 25.4 38.0#

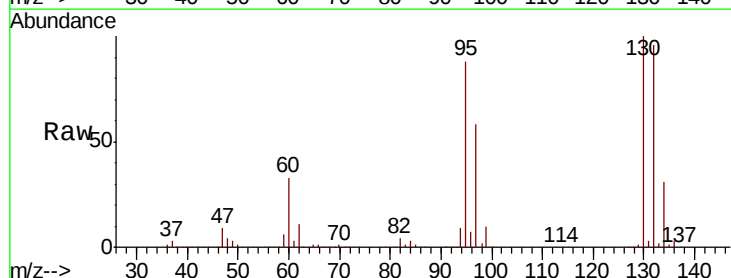


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

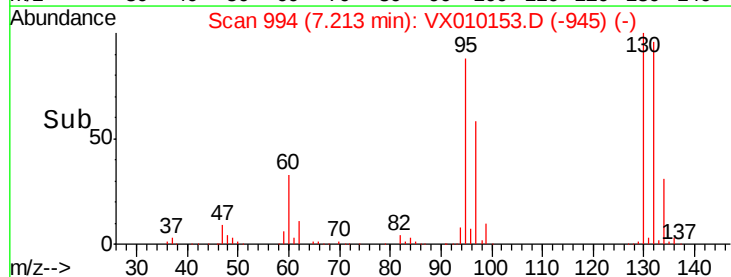
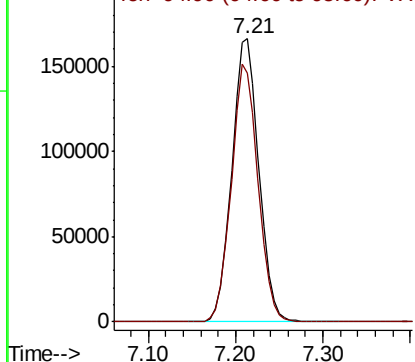


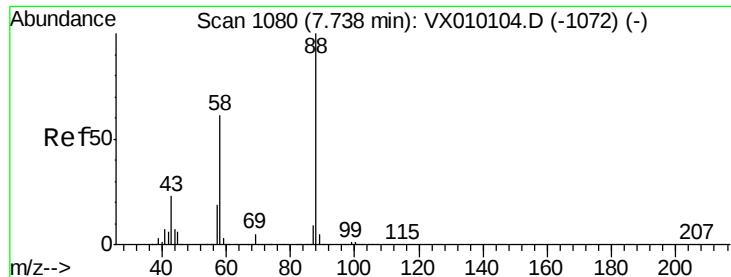
#44
Trichloroethene
Concen: 111.174 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Tgt Ion:130 Resp: 357012
Ion Ratio Lower Upper
130 100
95 88.1 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

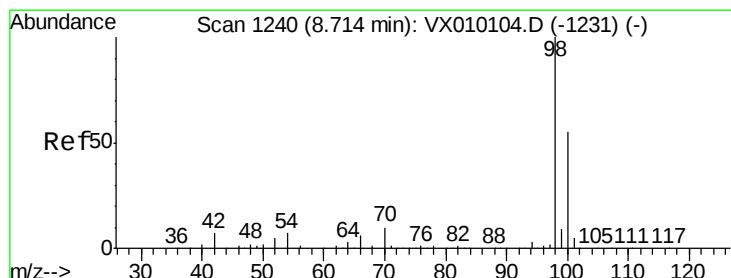
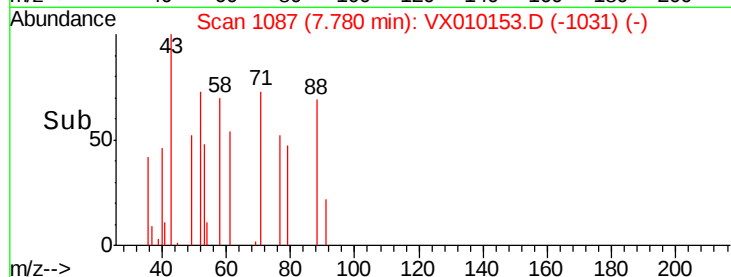
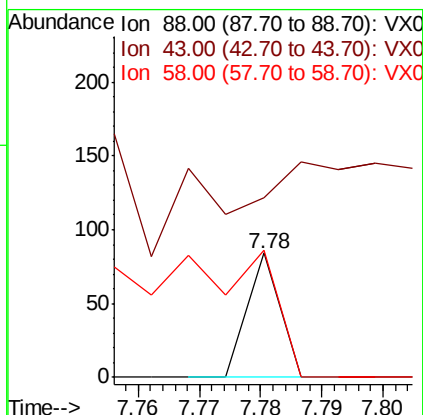
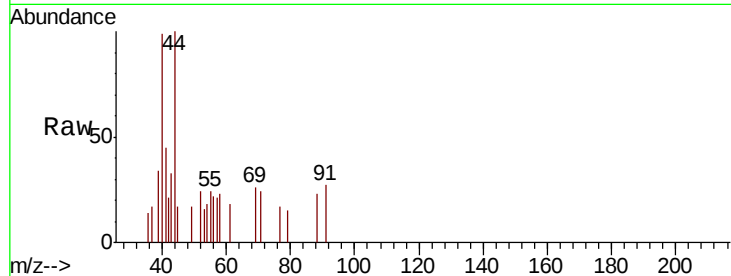




#49
1,4-Dioxane
Concen: 0.388 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.04 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

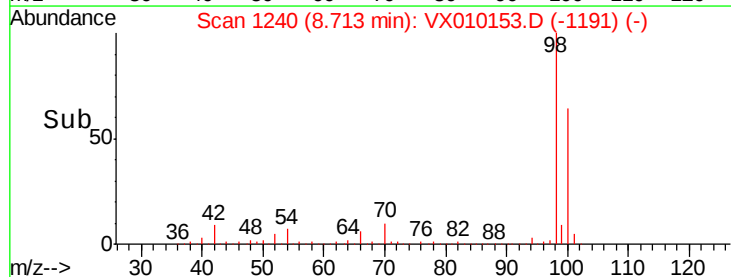
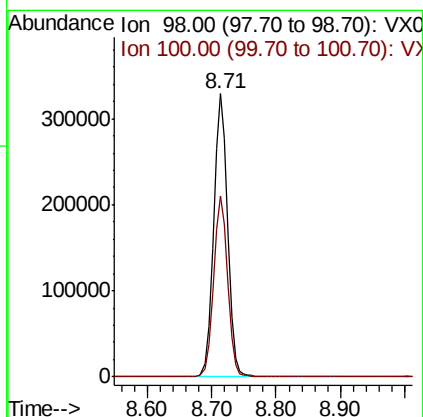
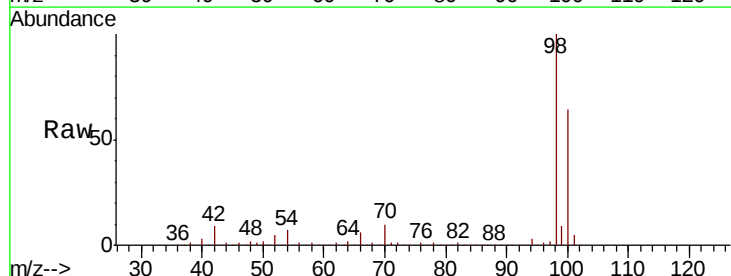
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305I-20190606

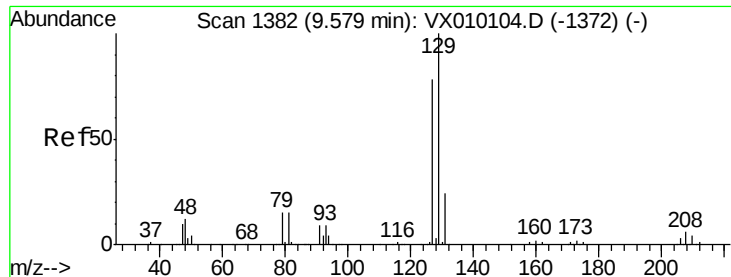
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 0.0 64.0 96.0#



#50
Toluene-d8
Concen: 51.426 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Tgt Ion: 98 Resp: 502048
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3





#60

Dibromochloromethane

Concen: 0.200 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

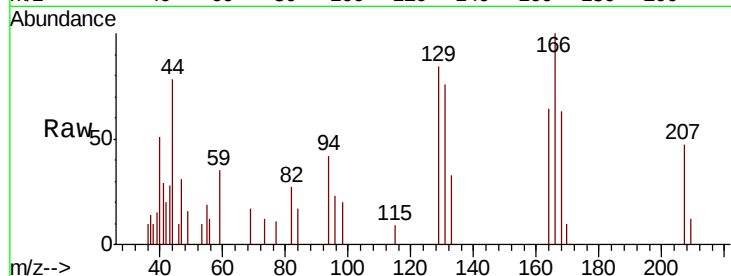
BPS1-TT-MW305I-20190606

Tgt Ion:129 Resp: 680

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

400

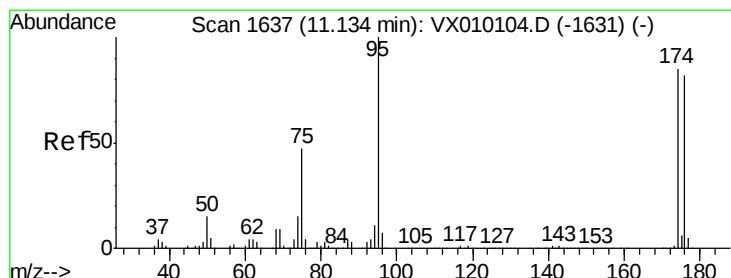
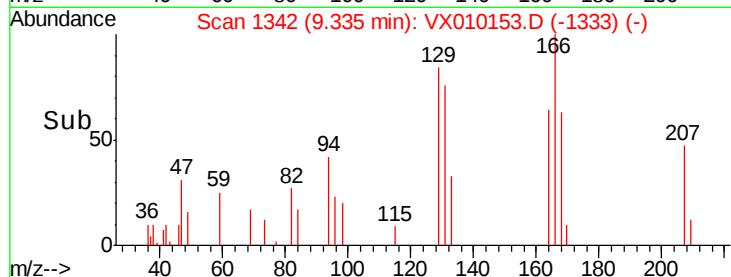
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.123 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

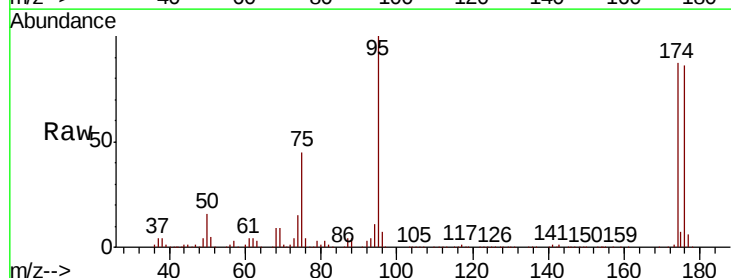
Tgt Ion: 95 Resp: 179097

Ion Ratio Lower Upper

95 100

174 92.3 0.0 160.4

176 90.4 0.0 154.6



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

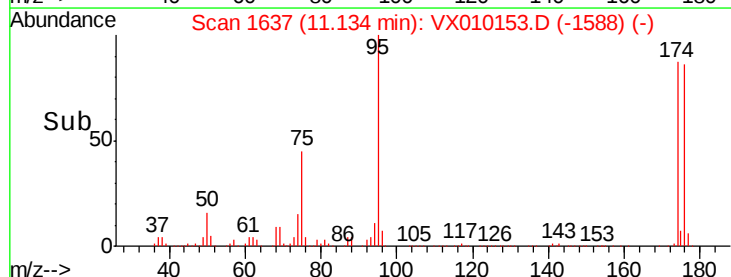
150000

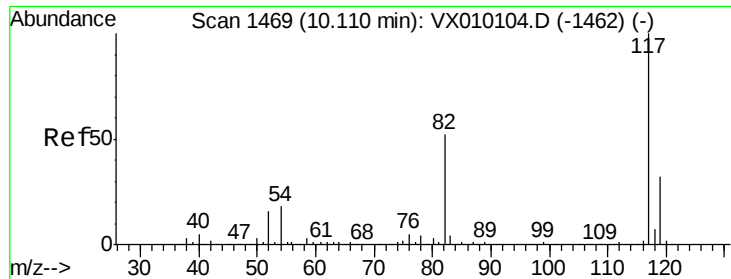
100000

50000

0

Time-->

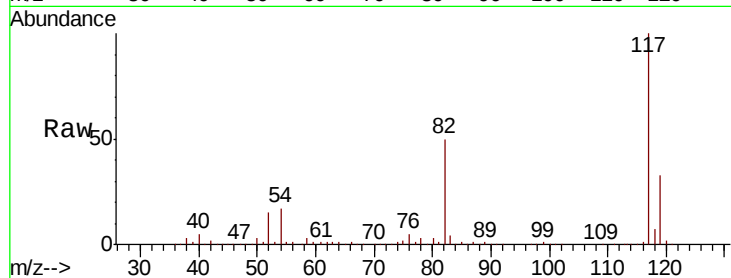




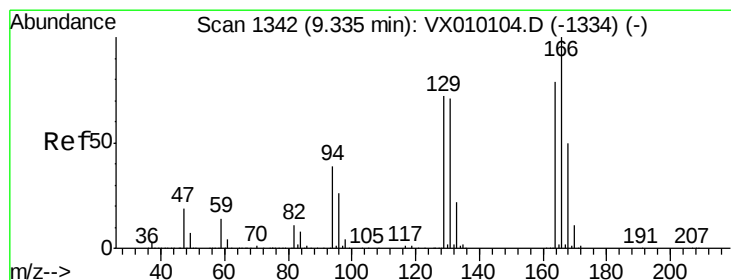
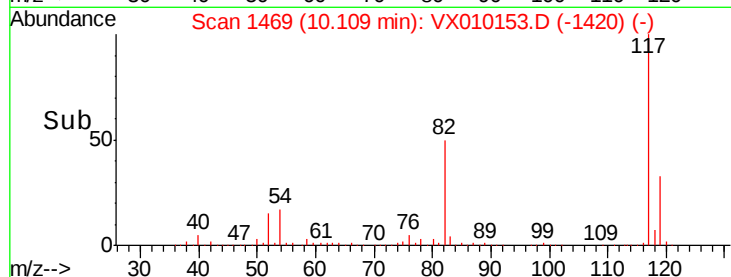
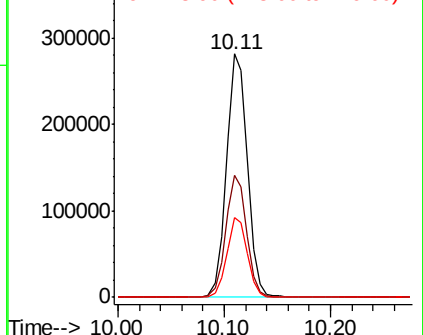
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305I-20190606

Tgt Ion:117 Resp: 388417
Ion Ratio Lower Upper
117 100
82 50.2 49.2 73.8
119 32.5 25.2 37.8

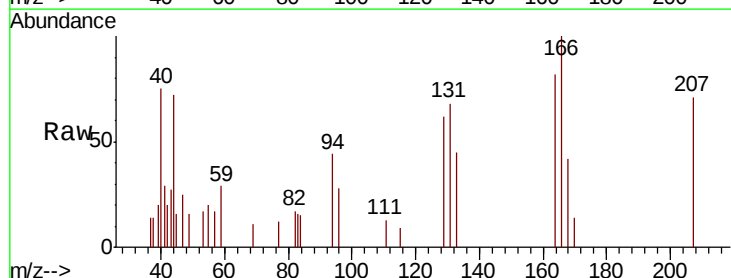


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

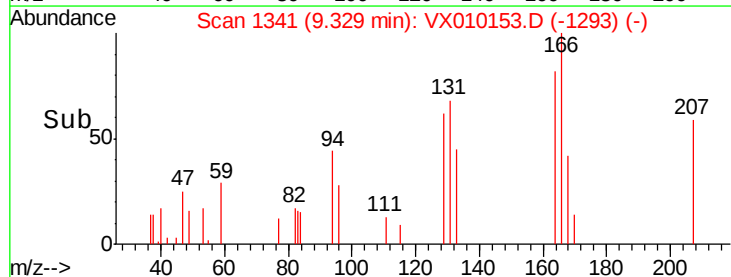
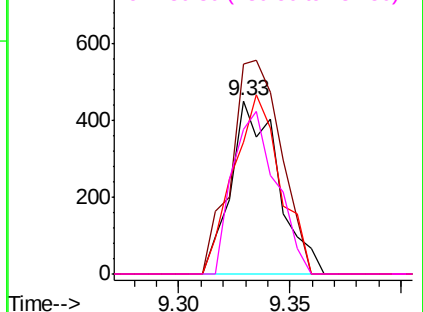


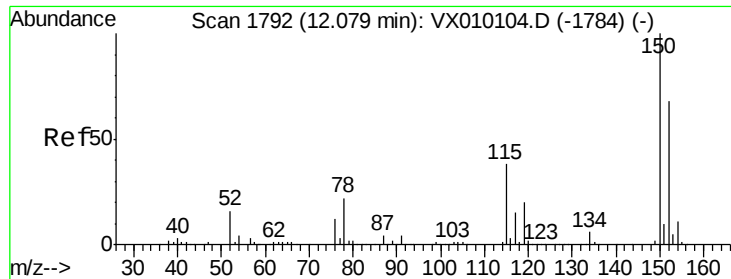
#64
Tetrachloroethene
Concen: 0.231 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX010153.D
Acq: 08 Jun 2019 21:00

Tgt Ion:164 Resp: 665
Ion Ratio Lower Upper
164 100
166 121.5 105.0 157.4
129 75.8 75.1 112.7
131 83.1 72.2 108.4



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305I-20190606

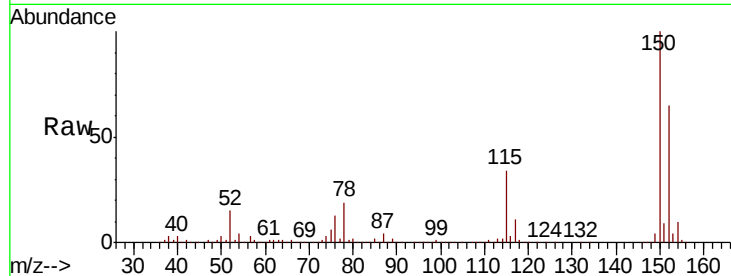
Tgt Ion:152 Resp: 185509

Ion Ratio Lower Upper

152 100

115 54.1 41.4 124.2

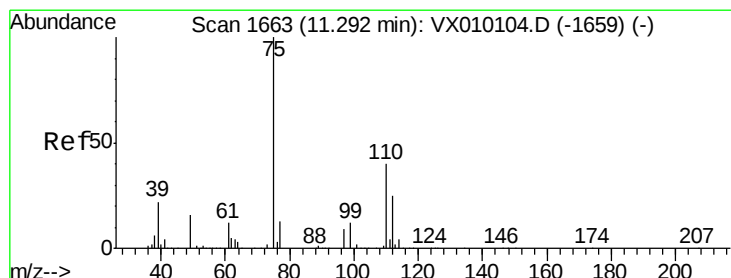
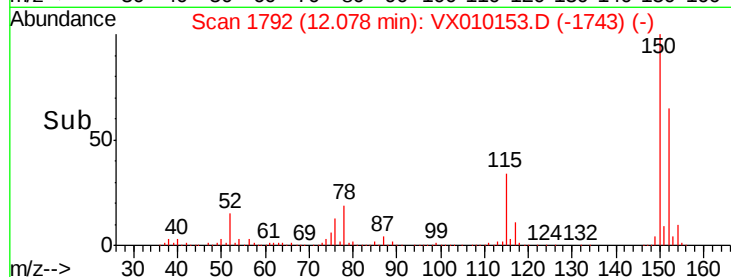
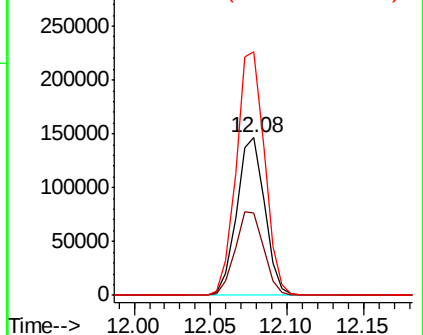
150 156.8 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 21.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010153.D

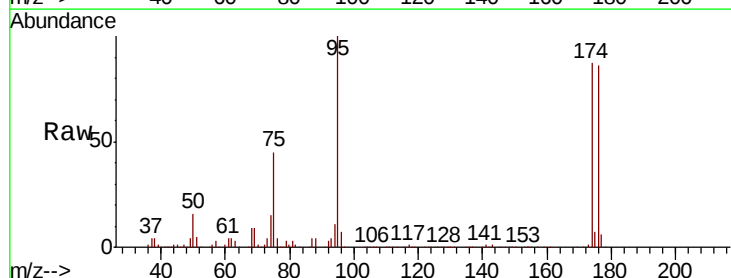
Acq: 08 Jun 2019 21:00

Tgt Ion: 75 Resp: 79618

Ion Ratio Lower Upper

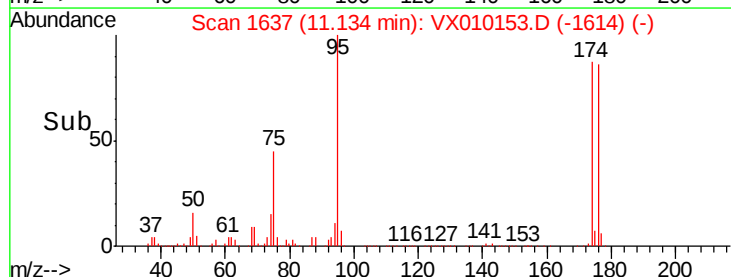
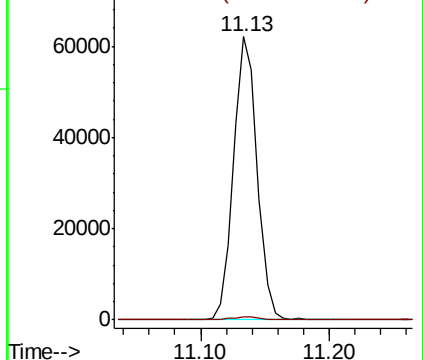
75 100

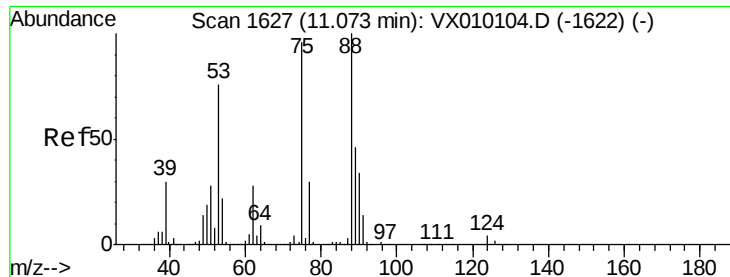
77 1.3 22.1 66.1#



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: 47.408 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010153.D

Acq: 08 Jun 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305I-20190606

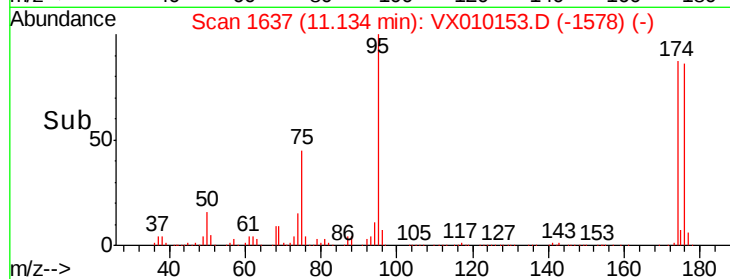
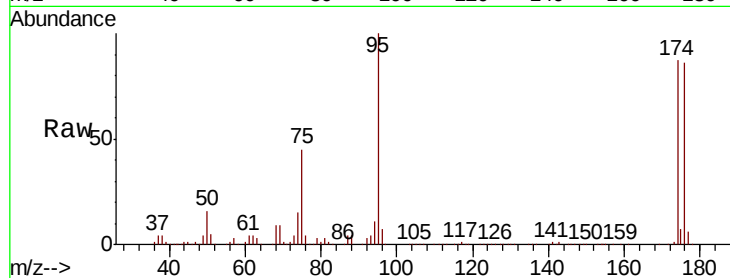
Tgt Ion: 75 Resp: 79618

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

