

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010129.D
 Acq On : 07 Jun 2019 23:18
 Operator : JC/SP
 Sample : K3221-06 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190605

Quant Time: Jun 08 02:25:40 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	289110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	441273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	398862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	133447	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	5.49	113	136056	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	8.71	98	518694	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	185824	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

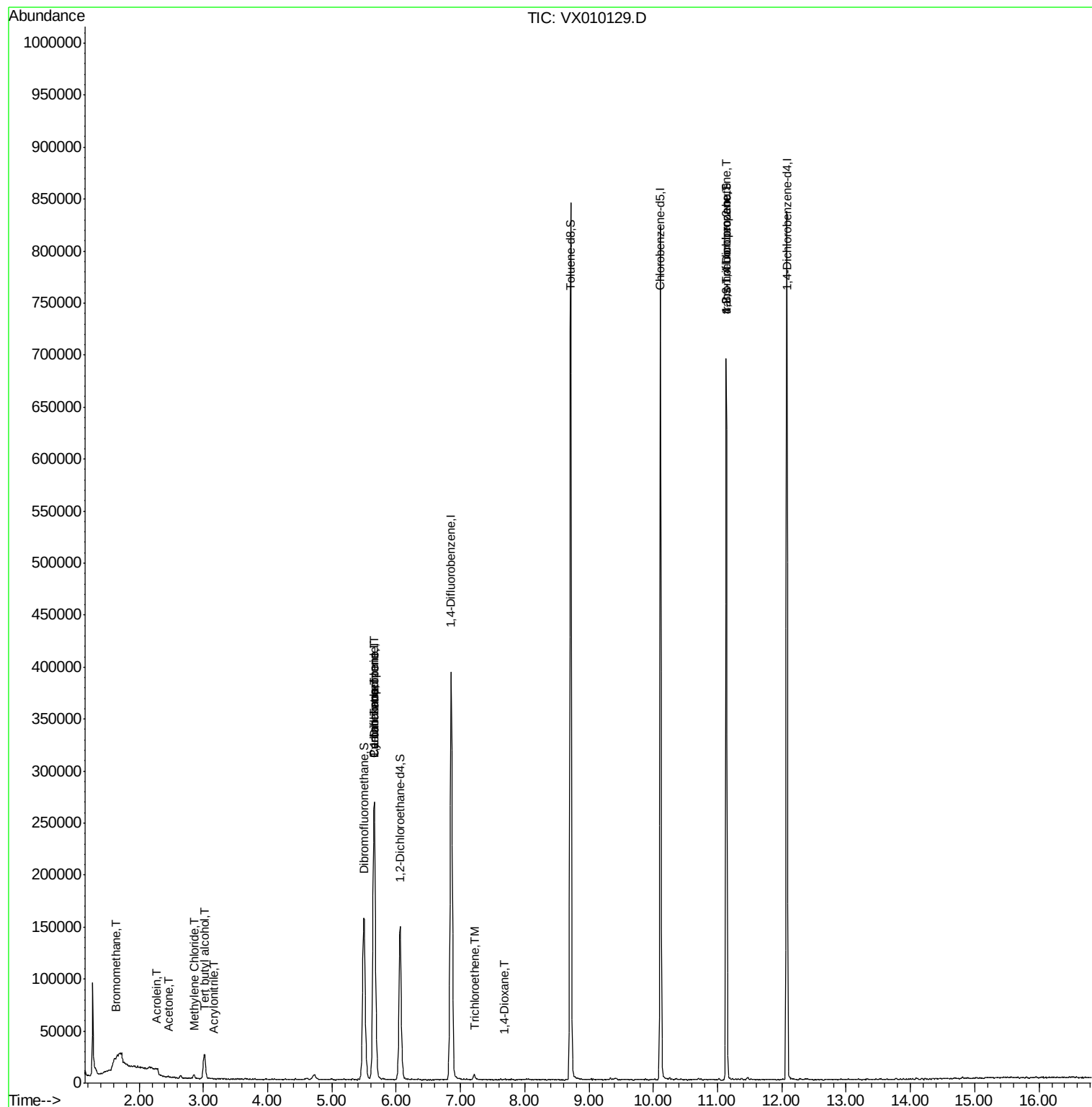
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	276	0.295	ug/l #	37
11) Tert butyl alcohol	3.01	59	14227	20.579	ug/l #	76
13) Acrolein	2.27	56	110	0.873	ug/l #	14
15) Acrylonitrile	3.17	53	398	0.282	ug/l #	66
16) Acetone	2.45	43	794	0.598	ug/l #	86
20) Methylene Chloride	2.85	84	1886	0.647	ug/l #	71
31) Cyclohexane	5.65	56	4411	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17407	4.835	ug/l #	52
38) Carbon Tetrachloride	5.66	117	24768	6.078	ug/l #	15
44) Trichloroethene	7.21	130	1797	0.536	ug/l	78
49) 1,4-Dioxane	7.68	88	19	0.228	ug/l #	36
76) 1,2,3-Trichloropropane	11.13	75	83111	21.819	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	83111	48.207	ug/l #	10

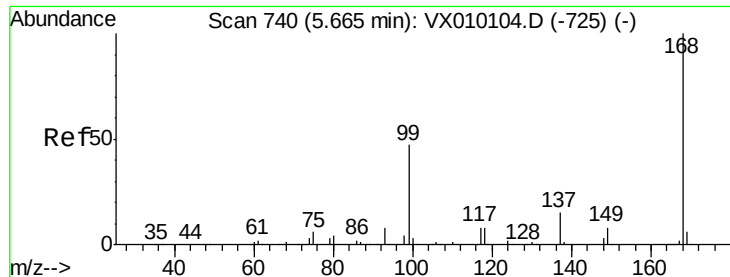
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010129.D

Acq: 07 Jun 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

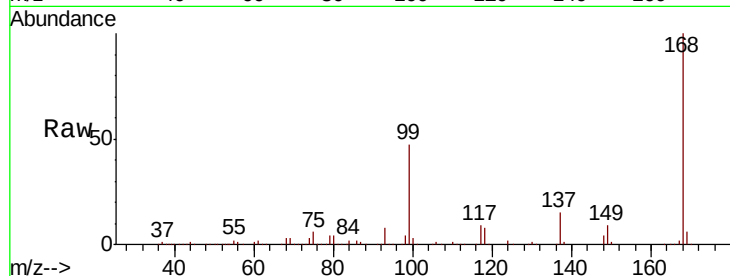
BPS1-TT-MW309S-20190605

Tot Ion:168 Resp: 289110

Ion Ratio Lower Upper

168 100

99 47.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

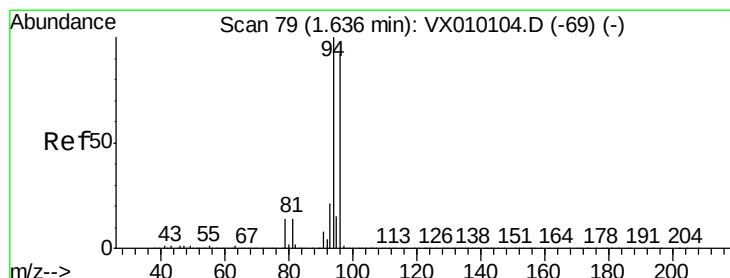
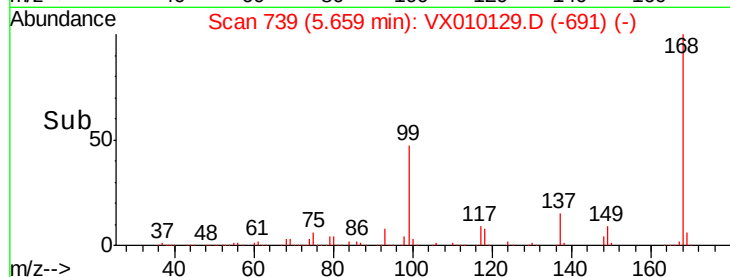
20000

0

Time-->

5.50 5.60 5.70 5.80

5.66



#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010129.D

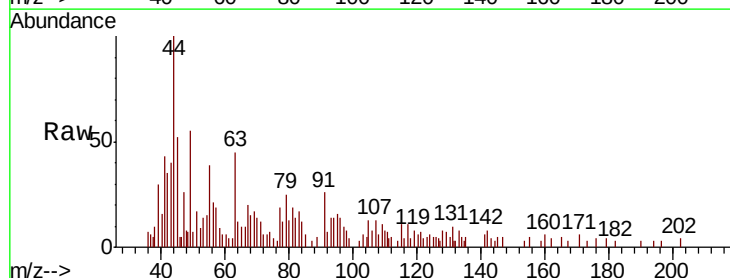
Acq: 07 Jun 2019 23:18

Tgt Ion: 94 Resp: 276

Ion Ratio Lower Upper

94 100

96 34.2 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

100

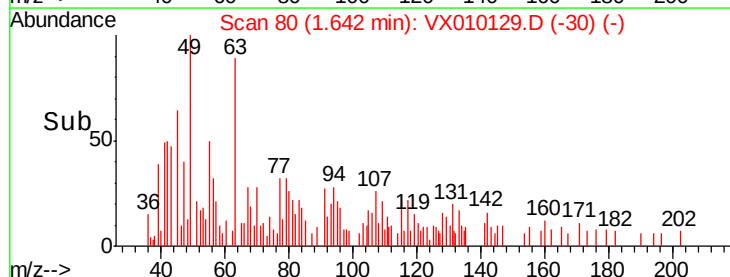
50

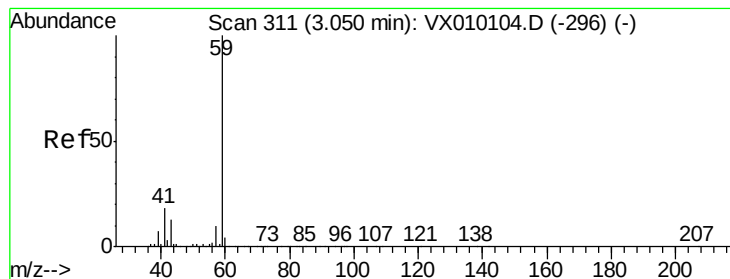
0

Time-->

1.62 1.64

1.64



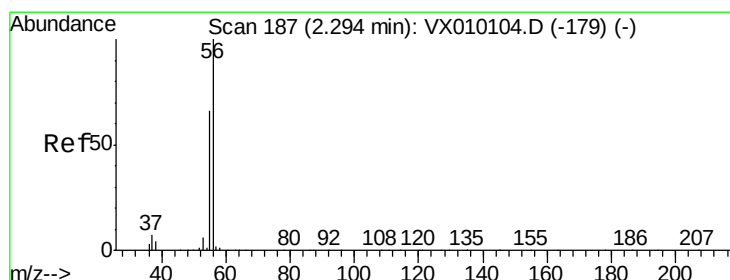
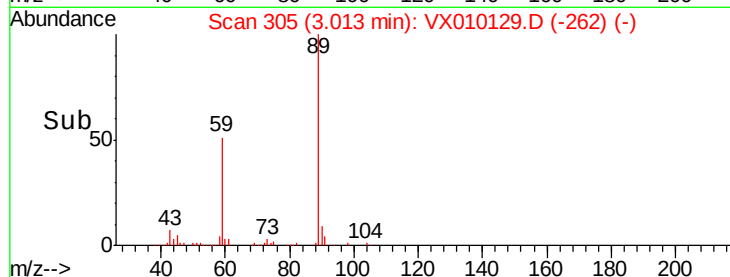
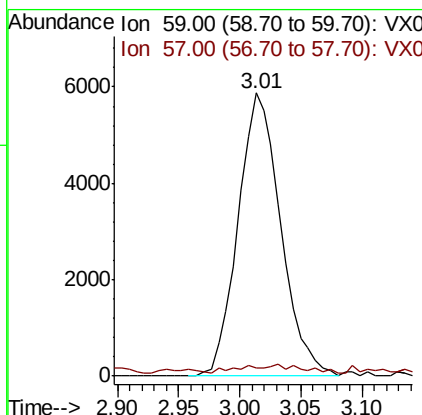
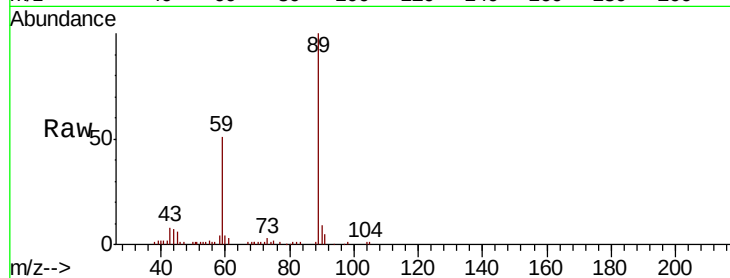


#11

Tert butyl alcohol
 Concen: 20.579 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010129.D
 Acq: 07 Jun 2019 23:18

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190605

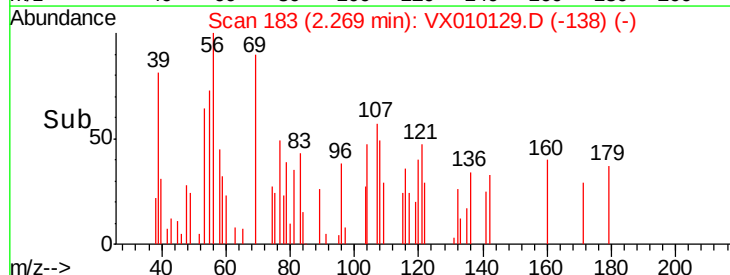
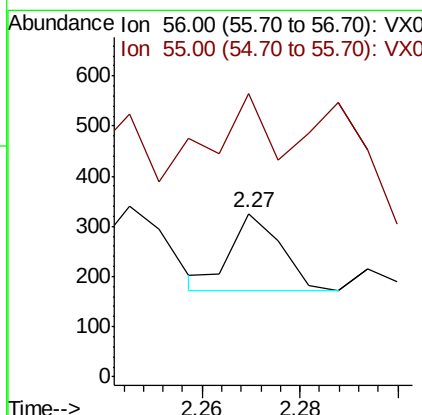
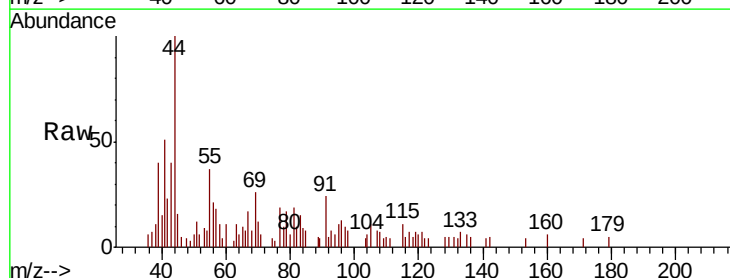
Tot Ion: 59 Resp: 14227
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.2 12.2#

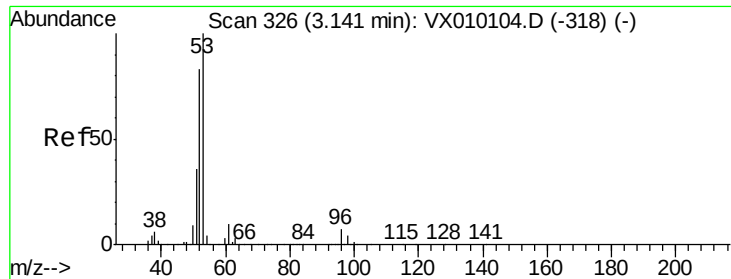


#13

Acrolein
 Concen: 0.873 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VX010129.D
 Acq: 07 Jun 2019 23:18

Tgt Ion: 56 Resp: 110
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.282 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010129.D

Acq: 07 Jun 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

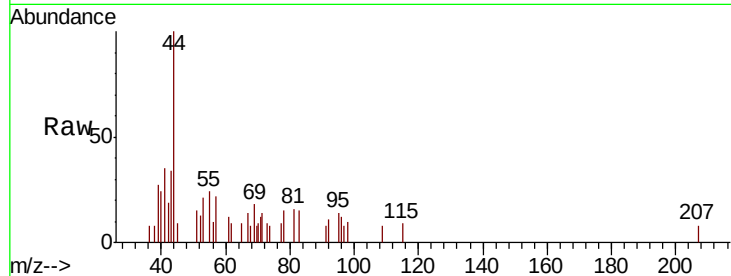
Tot Ion: 53 Resp: 398

Ion Ratio Lower Upper

53 100

52 41.5 66.7 100.1#

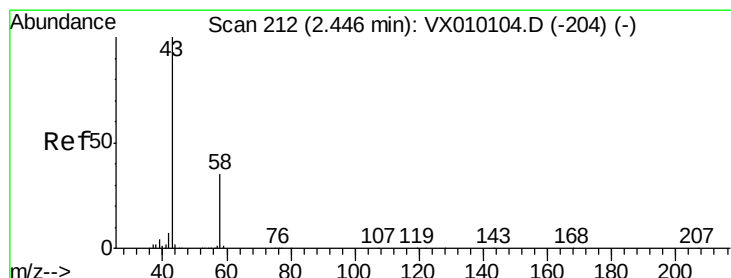
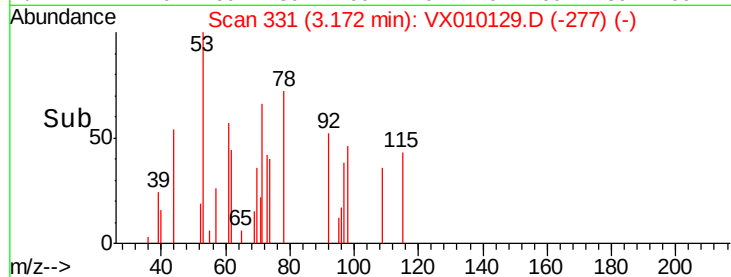
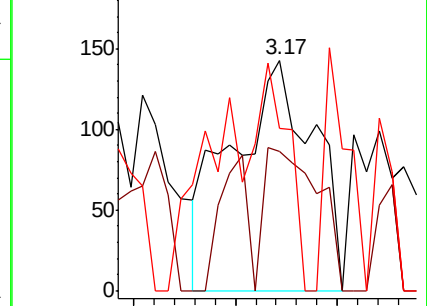
51 39.7 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.598 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010129.D

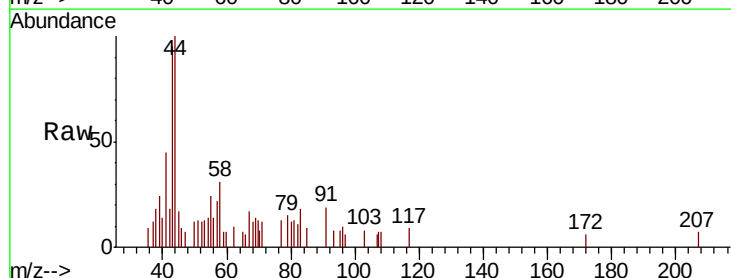
Acq: 07 Jun 2019 23:18

Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

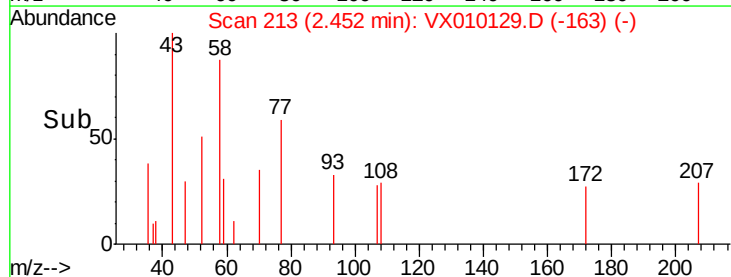
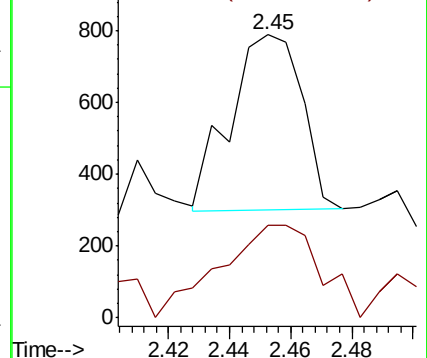
43 100

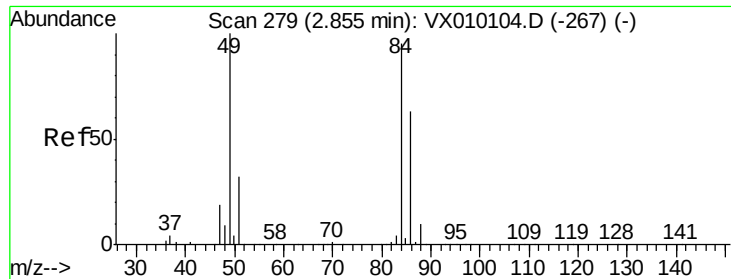
58 36.4 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

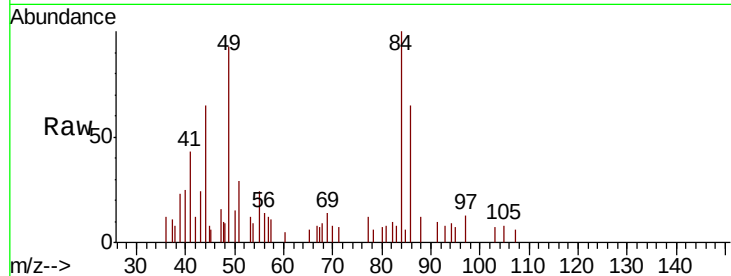




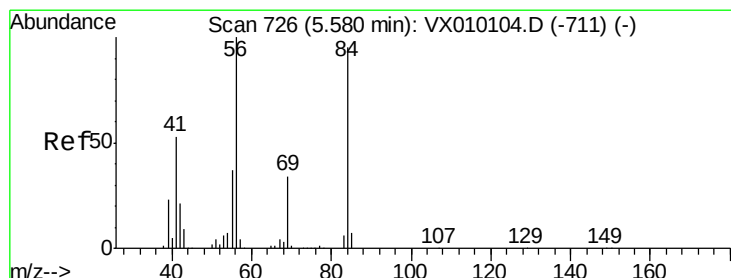
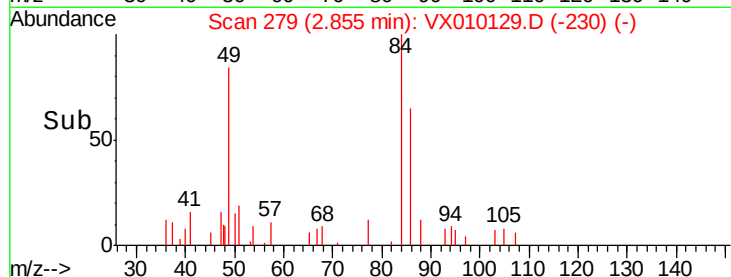
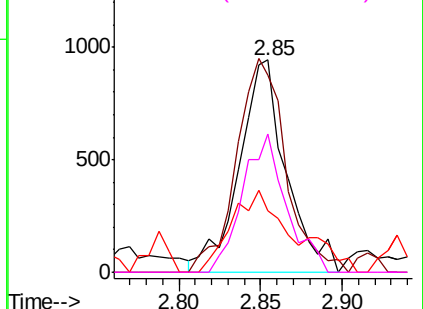
#20
Methylene Chloride
Concen: 0.647 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010129.D
Acq: 07 Jun 2019 23:18

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW309S-20190605

Tot Ion: 84 Resp: 1886
Ion Ratio Lower Upper
84 100
49 92.7 115.8 173.6#
51 29.2 34.4 51.6#
86 64.9 49.7 74.5

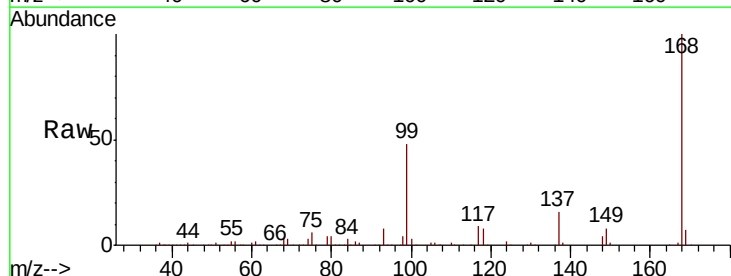


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

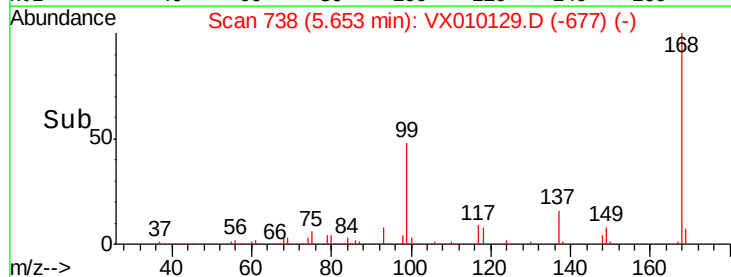
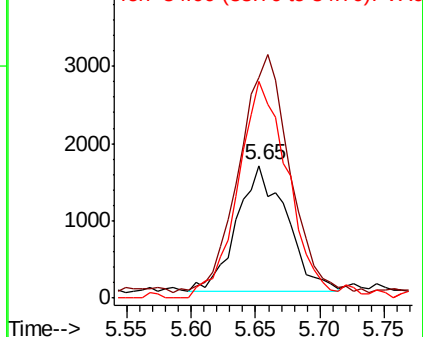


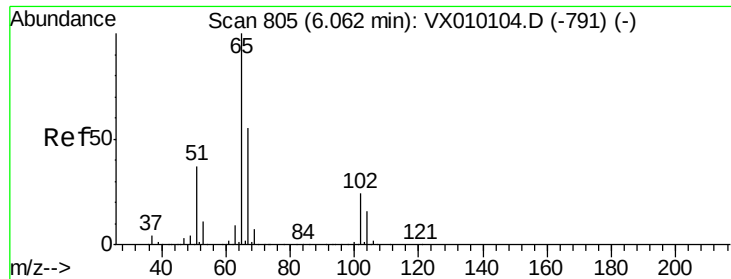
#31
Cyclohexane
Concen: 1.074 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010129.D
Acq: 07 Jun 2019 23:18

Tgt Ion: 56 Resp: 4411
Ion Ratio Lower Upper
56 100
69 169.0 21.6 32.4#
84 171.5 56.8 85.2#



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

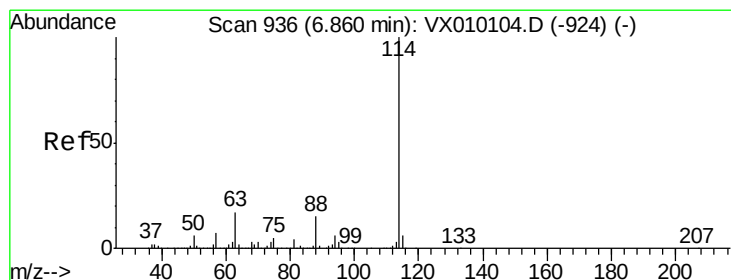
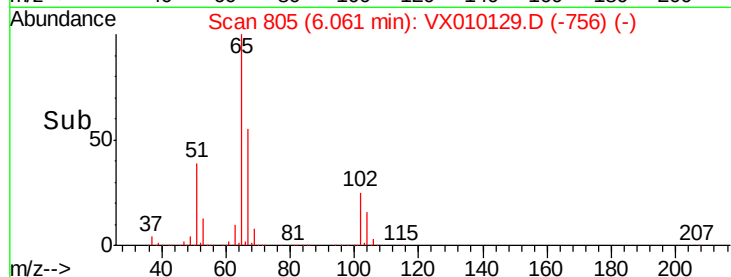
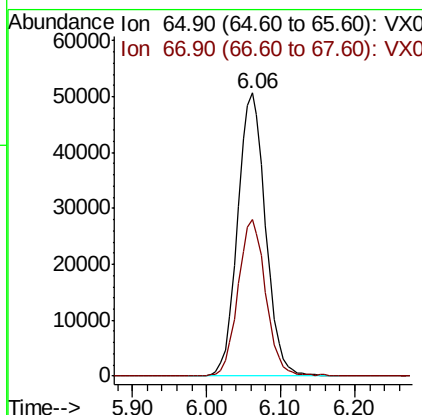
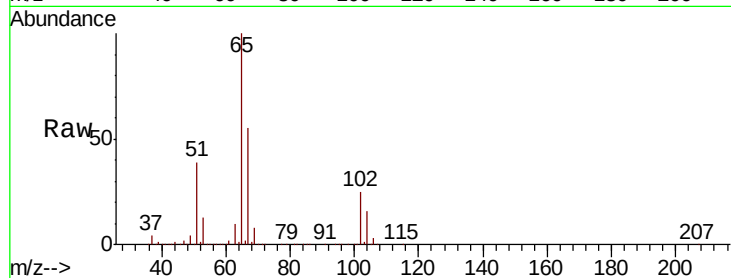




#33
 1,2-Dichloroethane-d4
 Concen: 47.287 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010129.D
 Acq: 07 Jun 2019 23:18

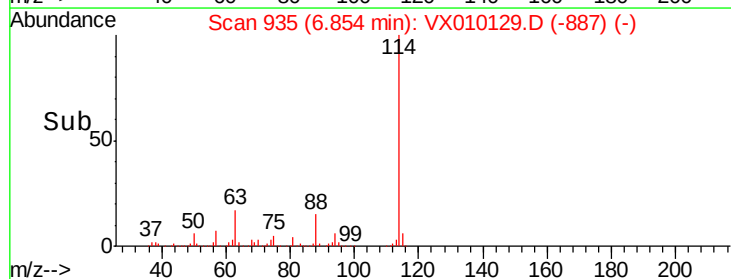
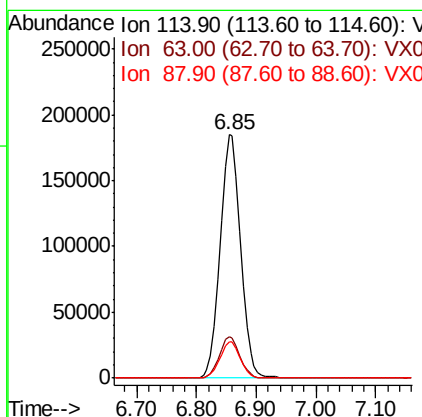
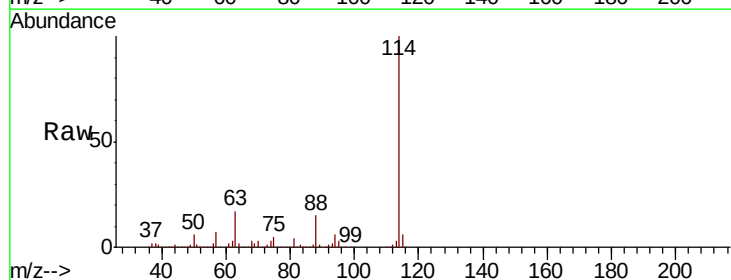
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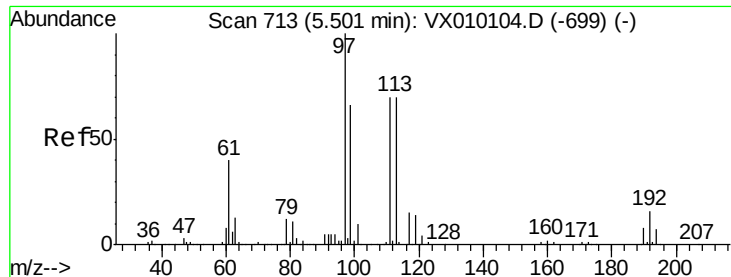
Tot Ion: 65 Resp: 133447
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010129.D
 Acq: 07 Jun 2019 23:18

Tgt Ion: 114 Resp: 441273
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 47.4
 88 15.0 0.0 33.0

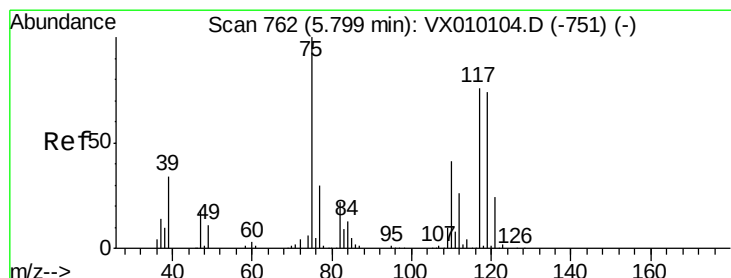
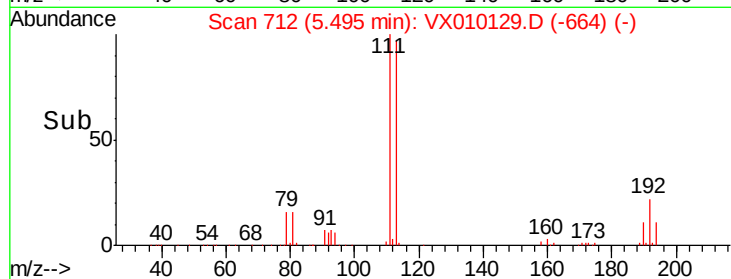
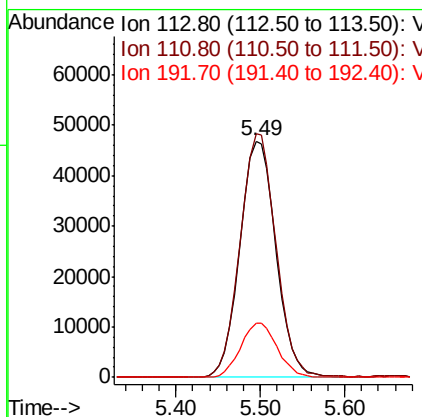
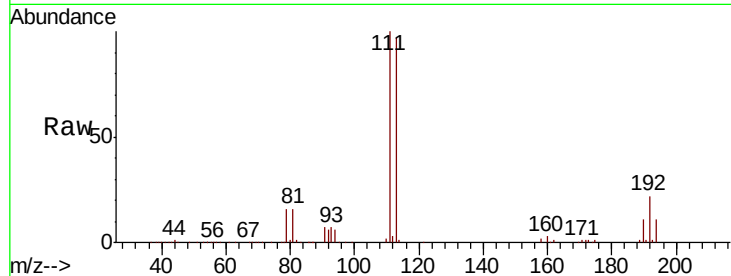




#35
Dibromofluoromethane
Concen: 49.986 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010129.D
Acq: 07 Jun 2019 23:18

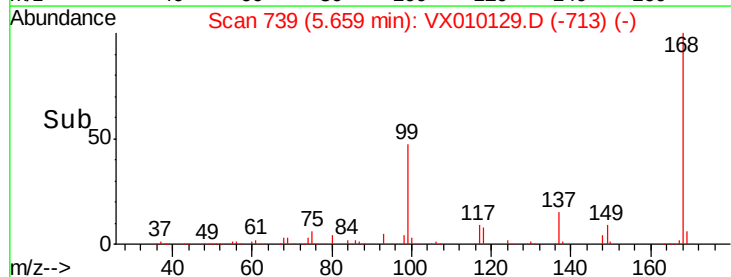
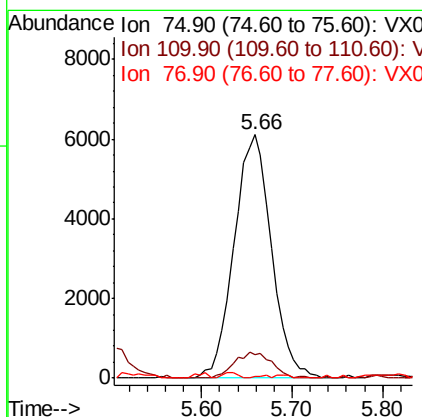
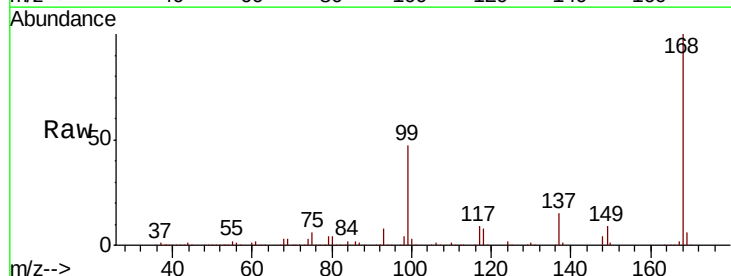
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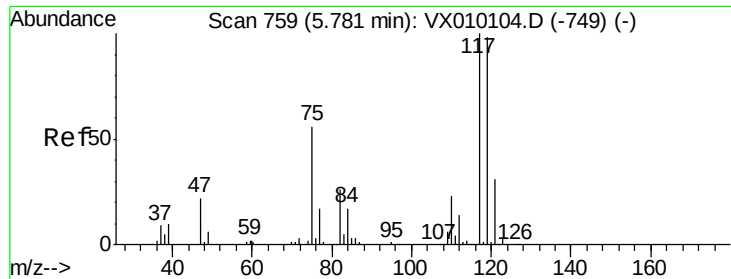
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.2
192	23.2	17.1	25.7



#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010129.D
Acq: 07 Jun 2019 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	16.7	50.1#
77	0.4	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.078 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010129.D

Acq: 07 Jun 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

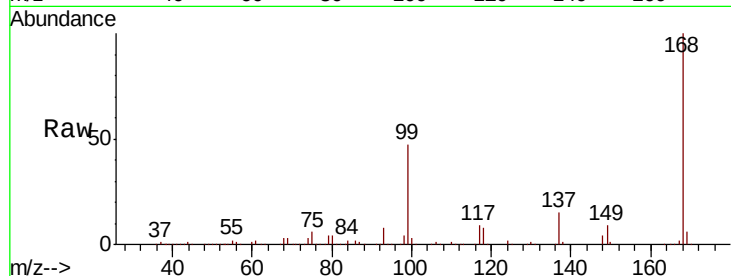
Tot Ion:117 Resp: 24768

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

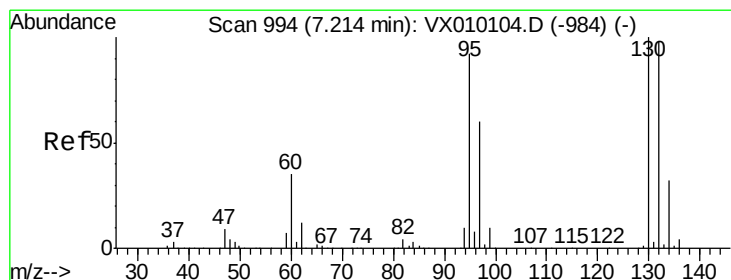
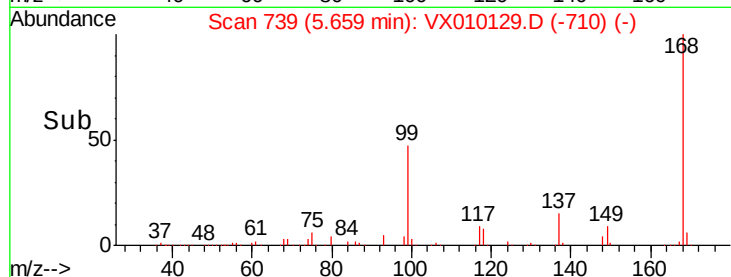
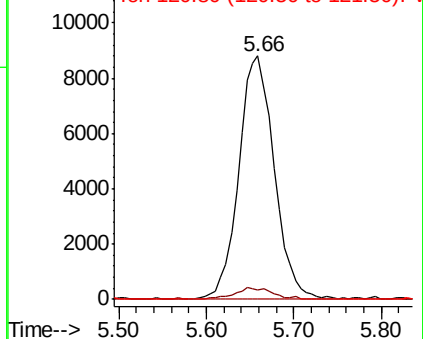
121 0.0 25.4 38.0#



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: 0.536 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010129.D

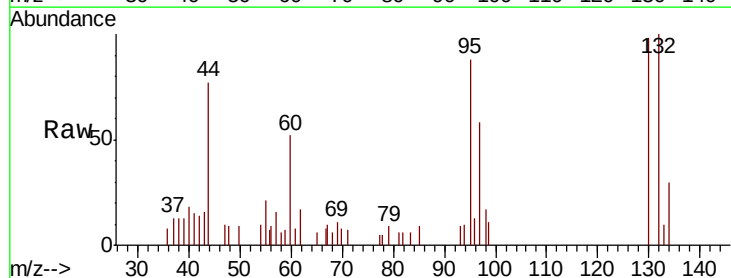
Acq: 07 Jun 2019 23:18

Tgt Ion:130 Resp: 1797

Ion Ratio Lower Upper

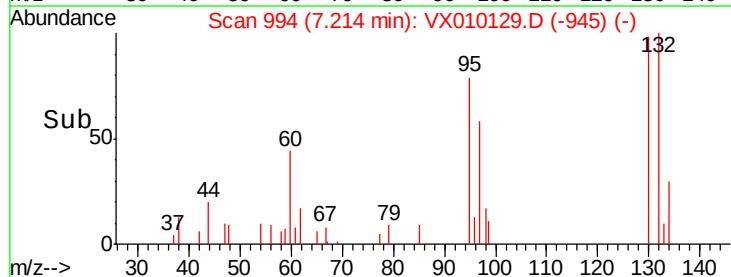
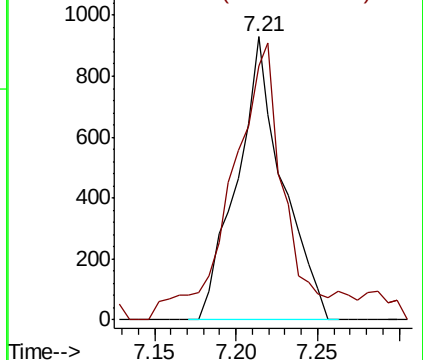
130 100

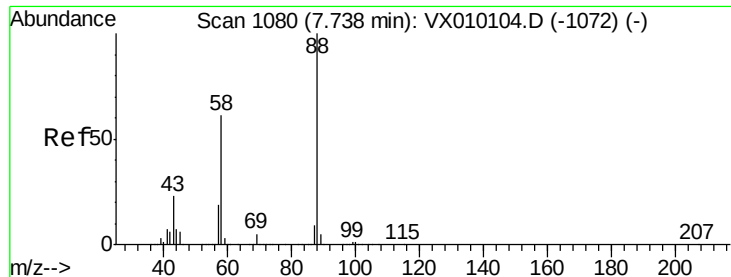
95 80.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

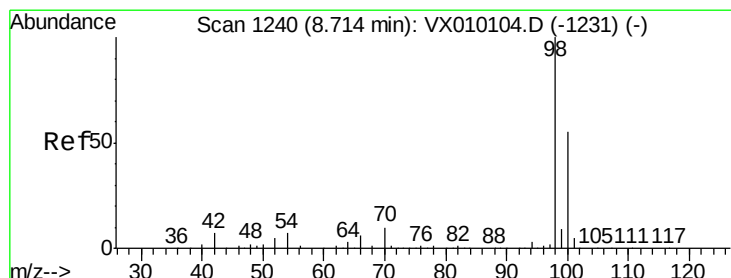
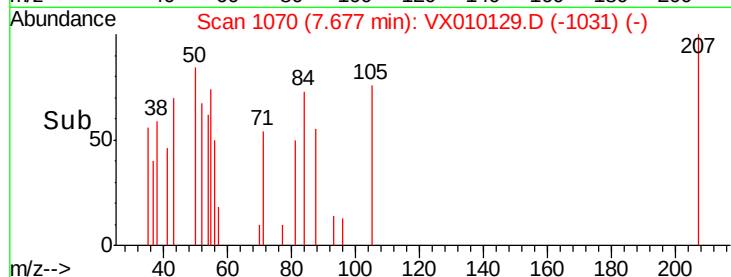
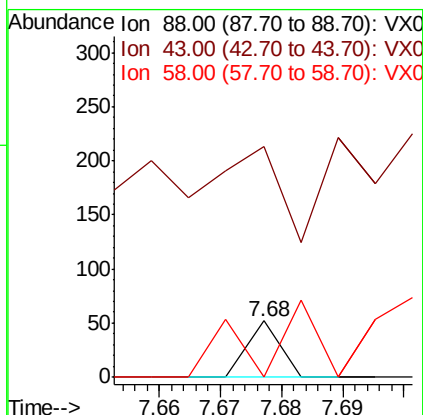
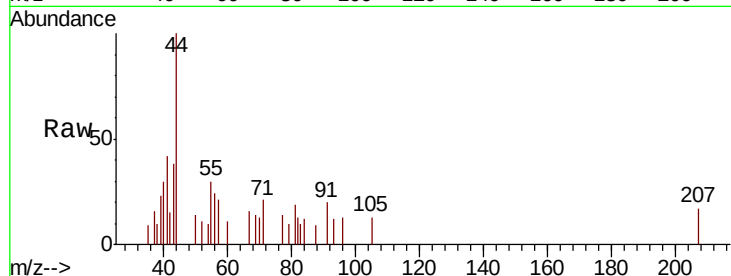




#49
1,4-Dioxane
Concen: 0.228 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.06 min
Lab File: VX010129.D
Acq: 07 Jun 2019 23:18

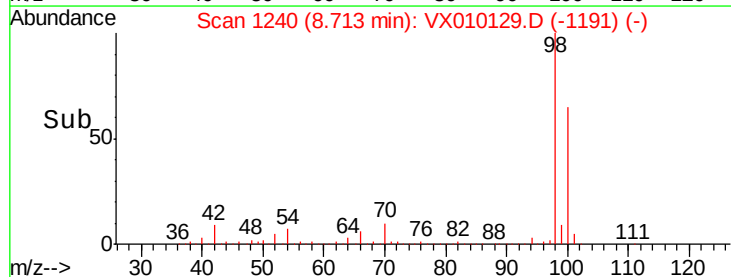
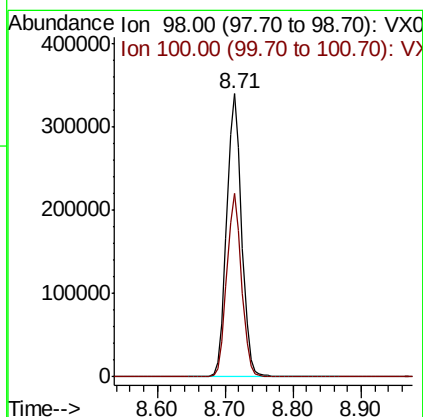
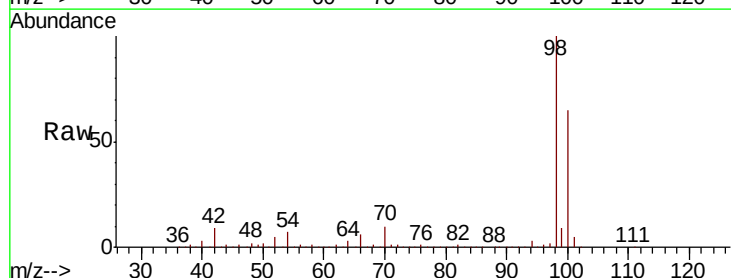
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW309S-20190605

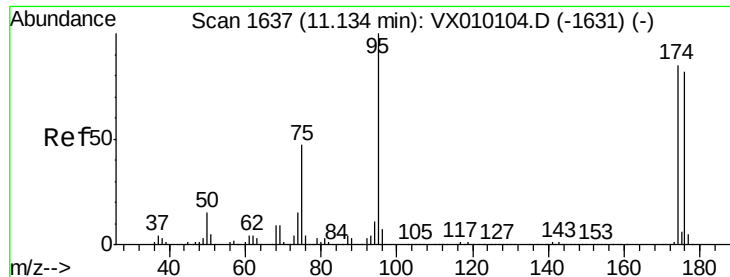
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 136.8 64.0 96.0#



#50
Toluene-d8
Concen: 50.847 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010129.D
Acq: 07 Jun 2019 23:18

Tgt Ion: 98 Resp: 518694
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 48.776 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010129.D

Acq: 07 Jun 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

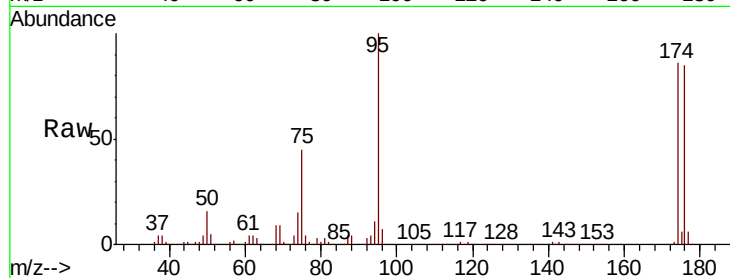
Tot Ion: 95 Resp: 185824

Ion Ratio Lower Upper

95 100

174 90.2 0.0 160.4

176 88.6 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)

11.13

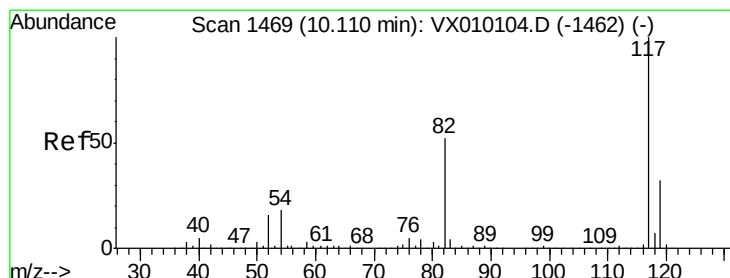
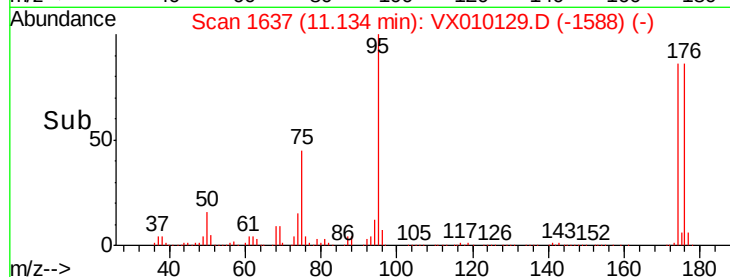
150000

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: VX010129.D

Acq: 07 Jun 2019 23:18

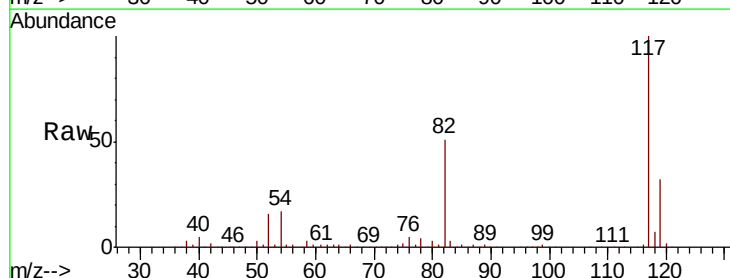
Tgt Ion: 117 Resp: 398862

Ion Ratio Lower Upper

117 100

82 51.0 49.2 73.8

119 32.0 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)

10.11

400000

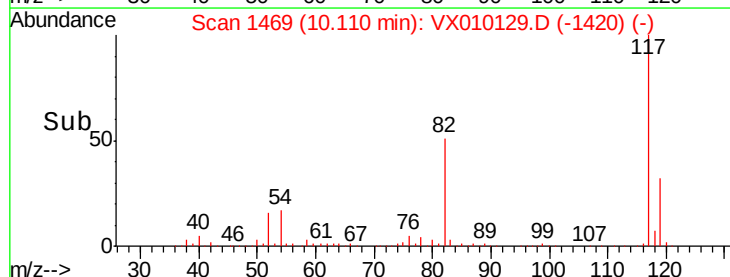
300000

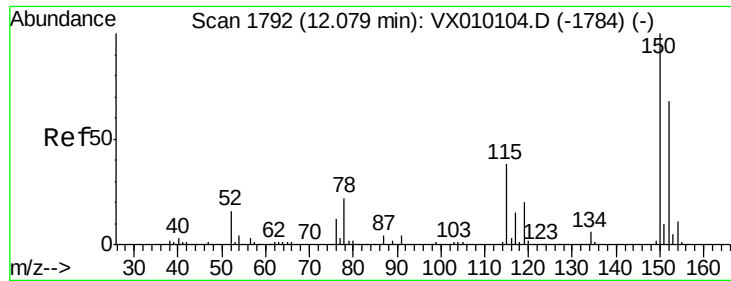
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010129.D

Acq: 07 Jun 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

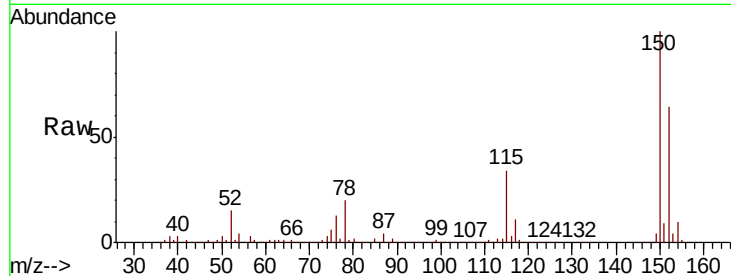
Tot Ion:152 Resp: 190441

Ion Ratio Lower Upper

152 100

115 54.9 41.4 124.2

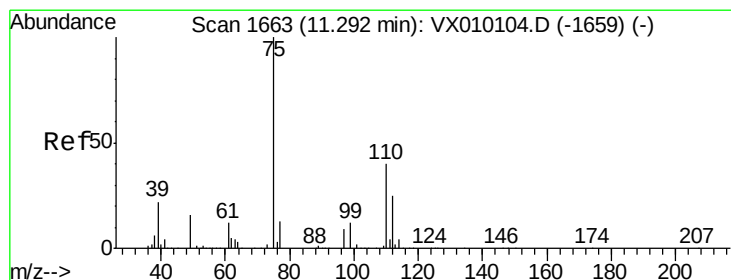
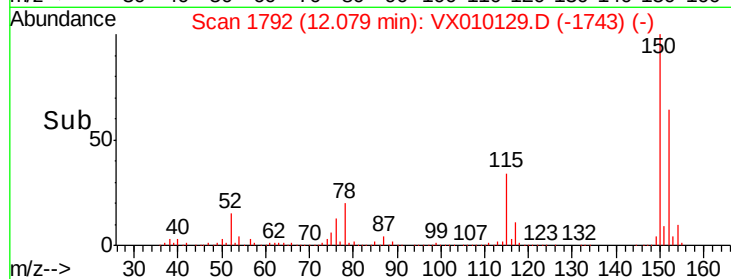
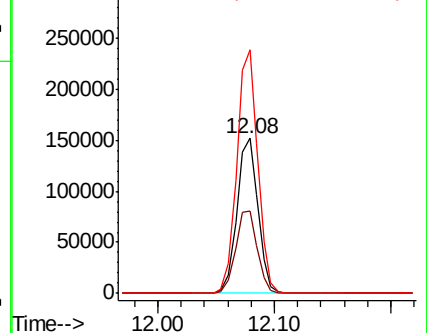
150 156.7 0.0 345.2



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: 21.819 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010129.D

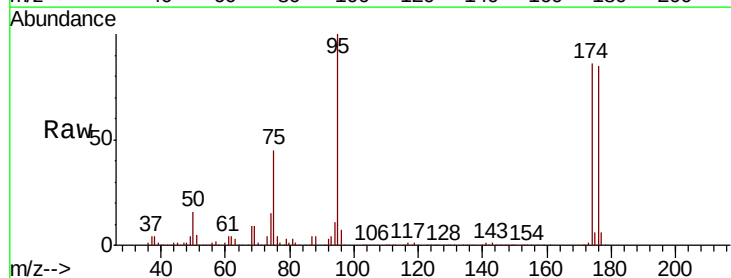
Acq: 07 Jun 2019 23:18

Tgt Ion: 75 Resp: 83111

Ion Ratio Lower Upper

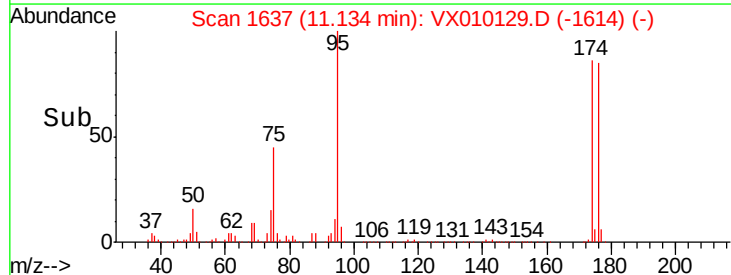
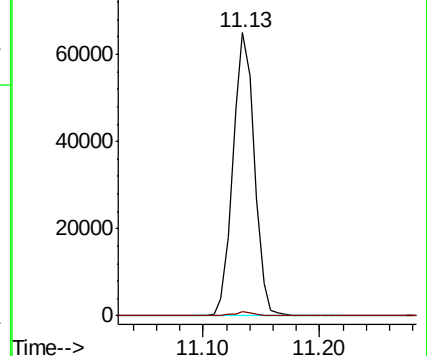
75 100

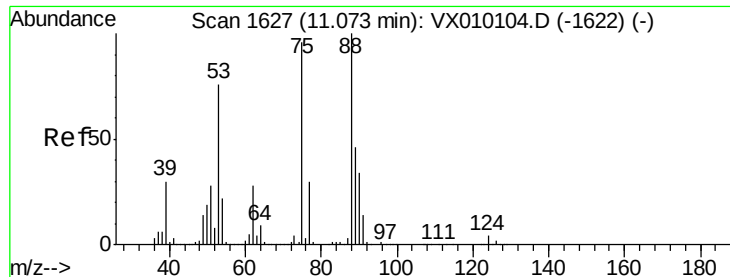
77 1.4 22.1 66.1#



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: 48.207 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010129.D

Acq: 07 Jun 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

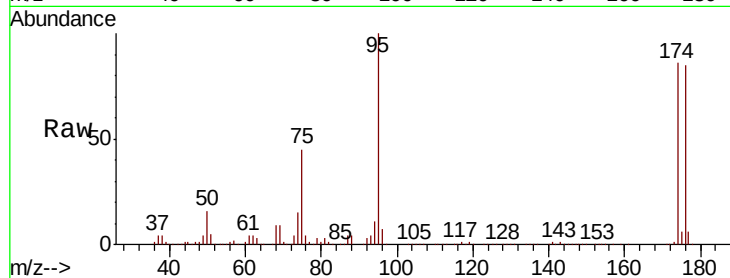
Tot Ion: 75 Resp: 83111

Ion Ratio Lower Upper

75 100

53 0.0 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

