

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\
 Data File : VX008367.D
 Acq On : 23 Mar 2019 22:03
 Operator : JC/SP
 Sample : K1937-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW306I-20190314

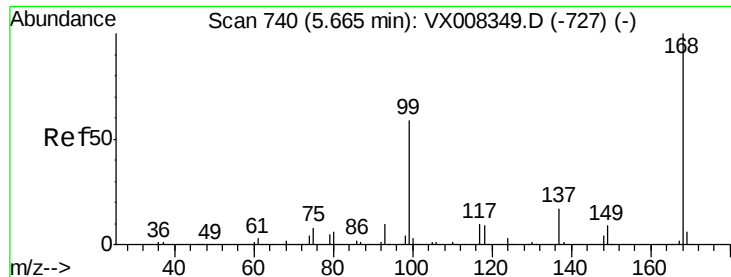
Quant Time: Mar 25 08:03:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	222756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386381	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135022	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	166471	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	5.49	113	121486	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.71	98	487312	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	163076	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	589	0.778	ug/l #	93
12) 1,1-Dichloroethene	2.38	96	684	0.270	ug/l #	69
16) Acetone	2.44	43	1112	0.655	ug/l	96
36) 1,1-Dichloropropene	5.66	75	19651	4.977	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22418	6.624	ug/l #	15
44) Trichloroethene	7.21	130	7634	2.734	ug/l	90
49) 1,4-Dioxane	7.75	88	188	2.219	ug/l #	31
60) Dibromochloromethane	9.34	129	781	0.287	ug/l #	11
64) Tetrachloroethene	9.34	164	818	0.378	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	84150	23.810	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	84150	67.853	ug/l #	12

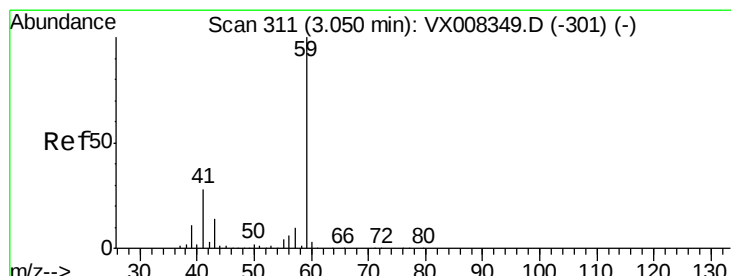
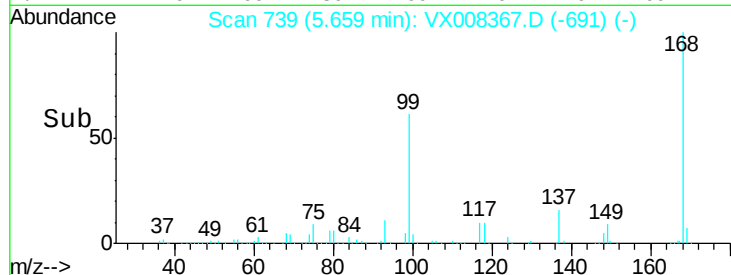
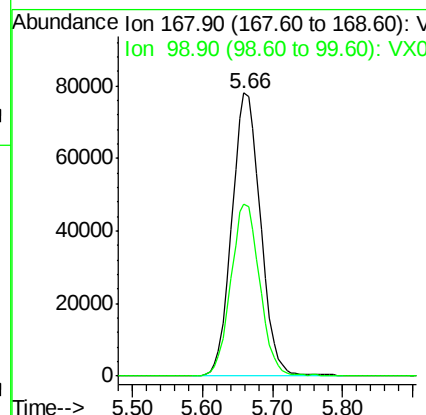
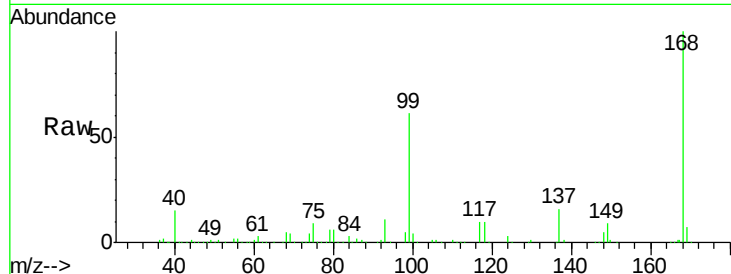
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

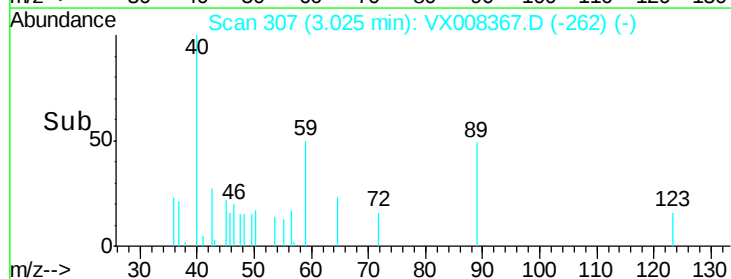
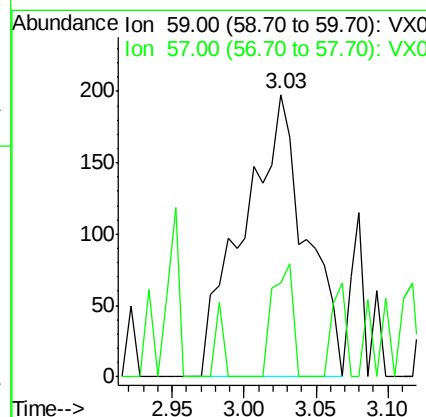
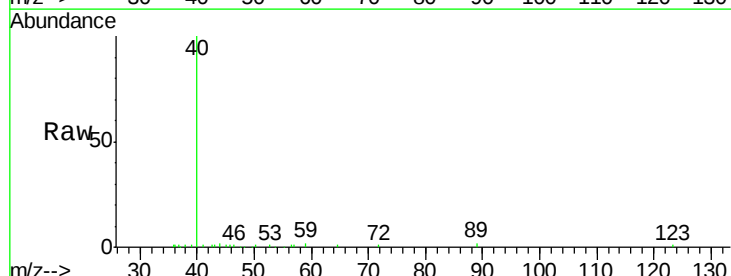
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW306I-20190314

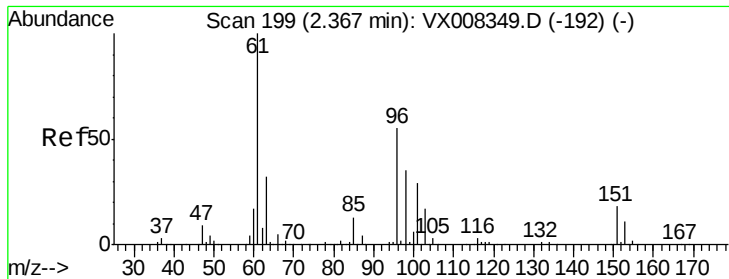
Tot Ion:168 Resp: 222756
Ion Ratio Lower Upper
168 100
99 60.6 37.6 56.4#



#11
Tert butyl alcohol
Concen: 0.778 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

Tgt Ion: 59 Resp: 589
Ion Ratio Lower Upper
59 100
57 12.9 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.270 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008367.D

Acq: 23 Mar 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW306I-20190314

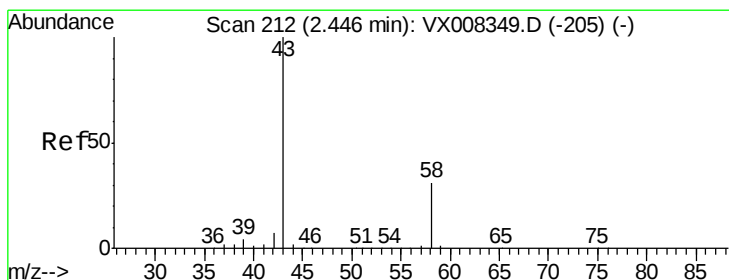
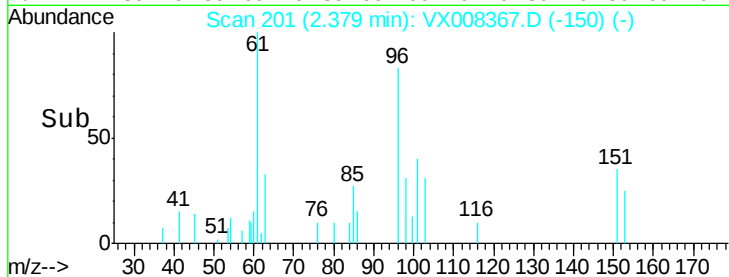
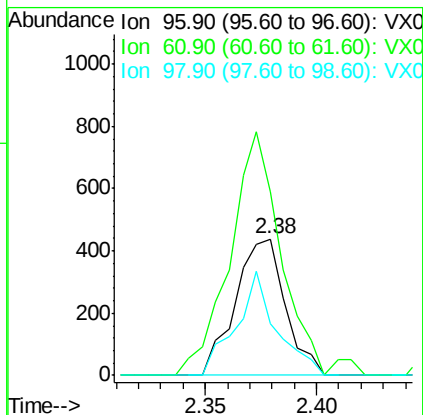
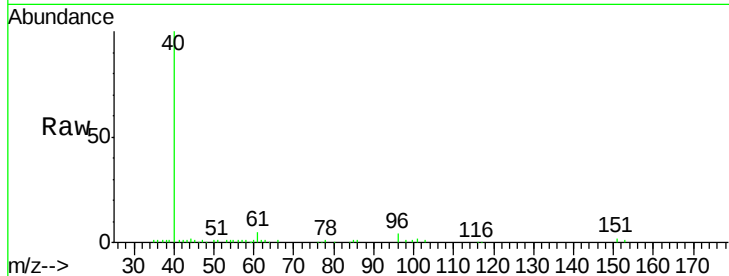
Tot Ion: 96 Resp: 684

Ion Ratio Lower Upper

96 100

61 122.6 129.8 194.6#

98 37.8 51.0 76.6#



#16

Acetone

Concen: 0.655 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008367.D

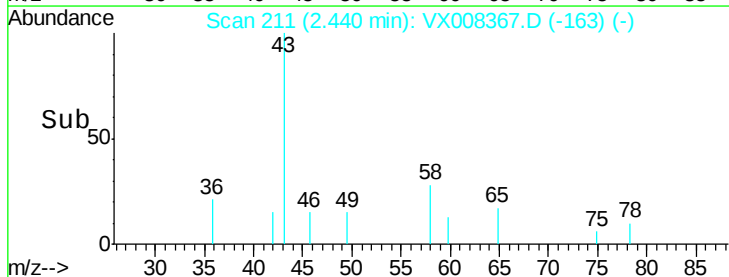
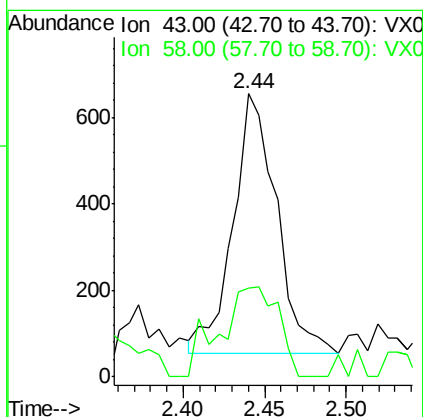
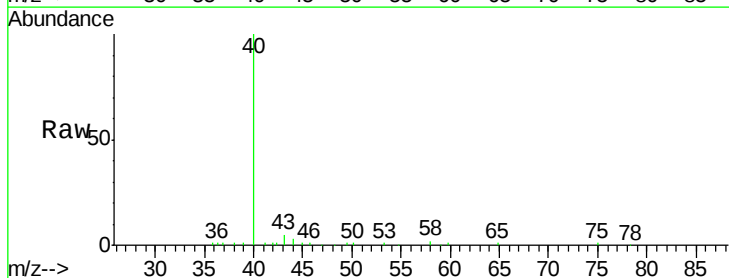
Acq: 23 Mar 2019 22:03

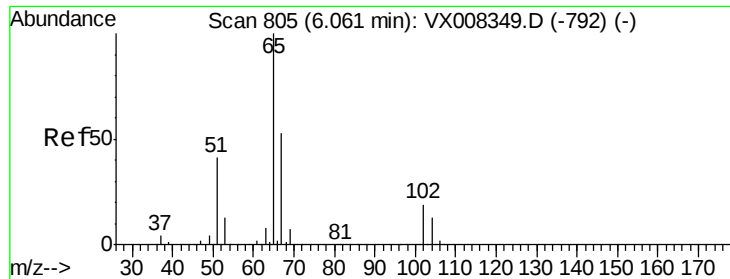
Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

58 34.0 25.5 38.3

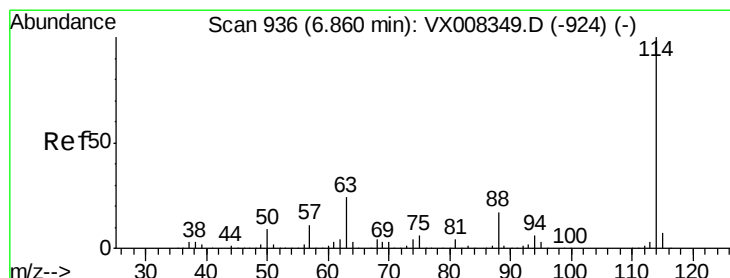
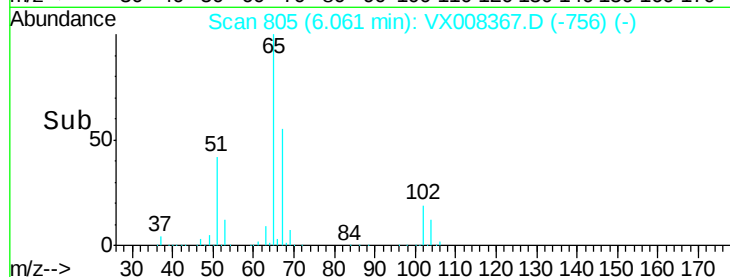
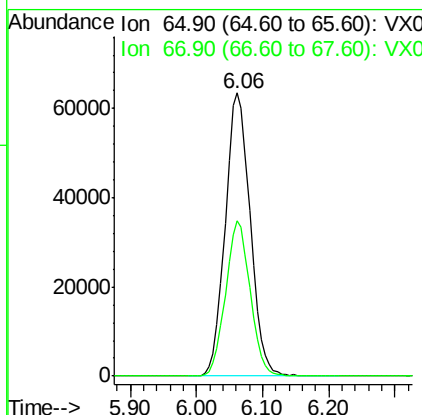
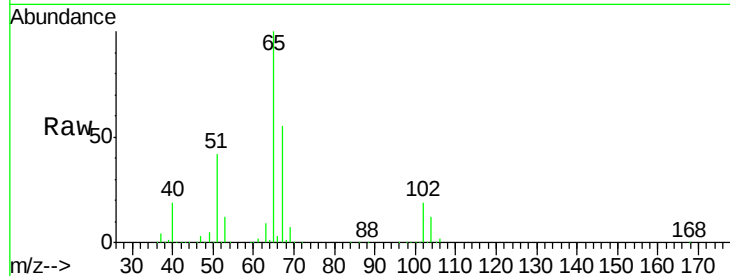




#33
 1,2-Dichloroethane-d4
 Concen: 48.998 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008367.D
 Acq: 23 Mar 2019 22:03

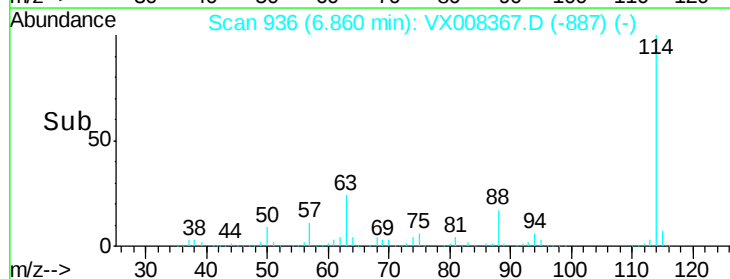
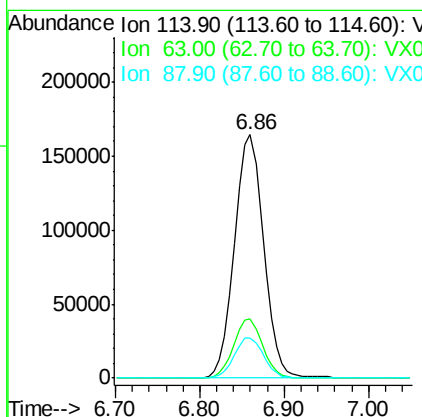
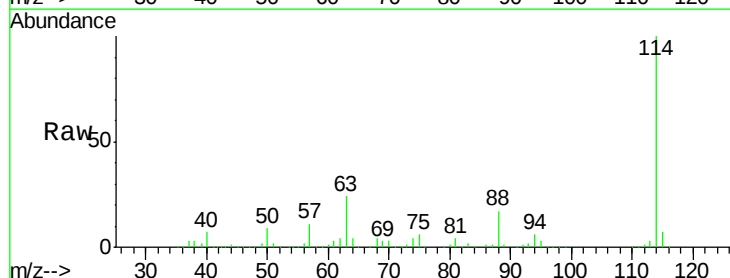
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW306I-20190314

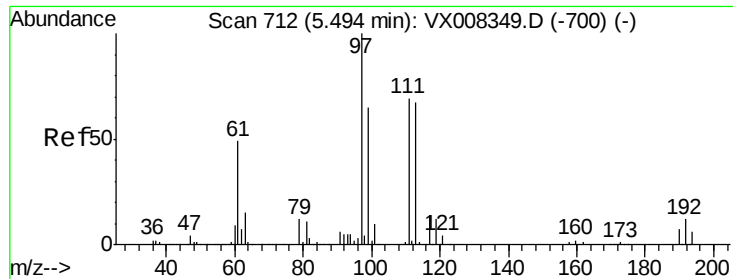
Tot Ion: 65 Resp: 166471
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008367.D
 Acq: 23 Mar 2019 22:03

Tgt Ion: 114 Resp: 386381
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 39.8
 88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.529 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008367.D

Acq: 23 Mar 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW306I-20190314

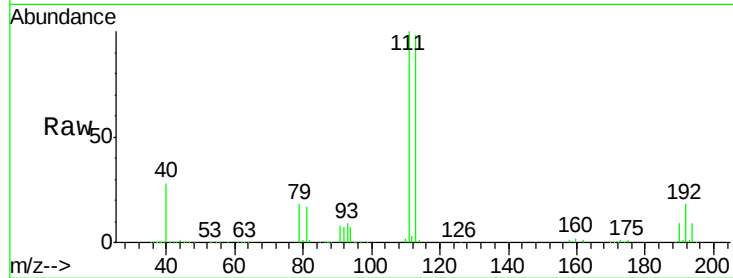
Tot Ion:113 Resp: 121486

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

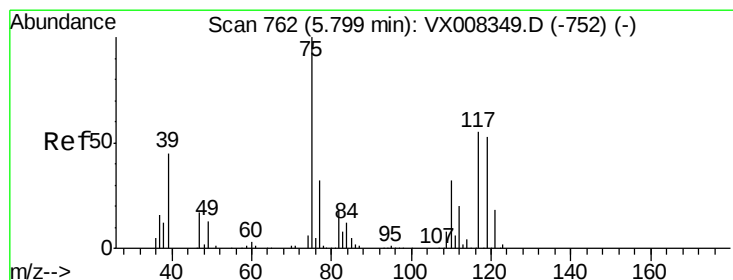
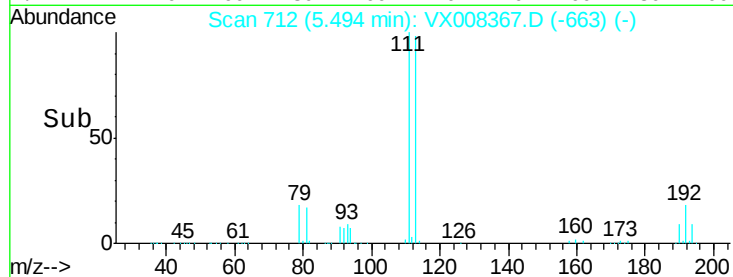
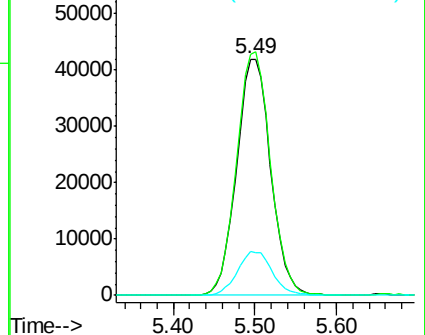
192 18.7 19.4 29.0#



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: 4.977 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008367.D

Acq: 23 Mar 2019 22:03

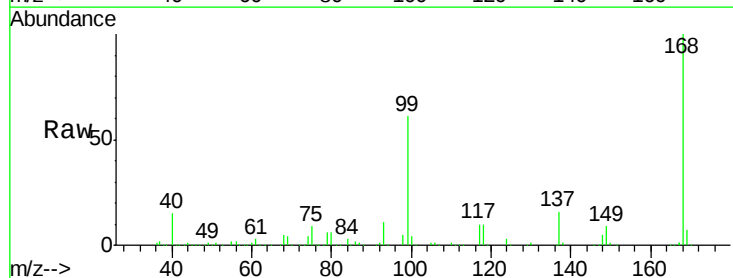
Tgt Ion: 75 Resp: 19651

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.0#

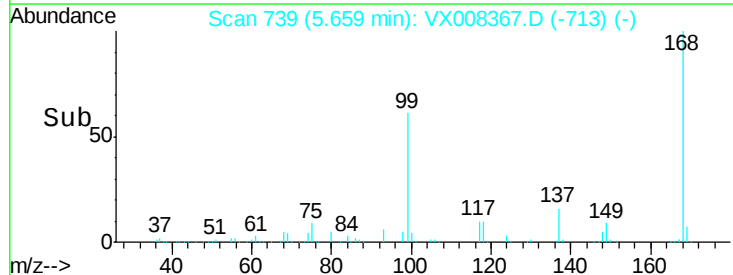
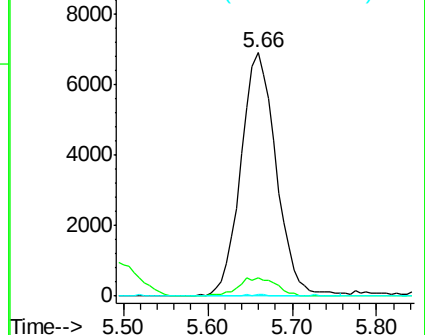
77 0.3 25.0 37.4#

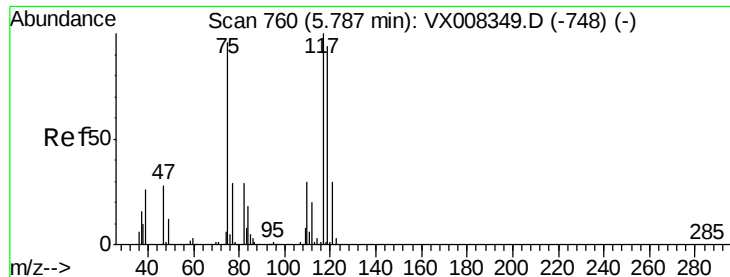


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

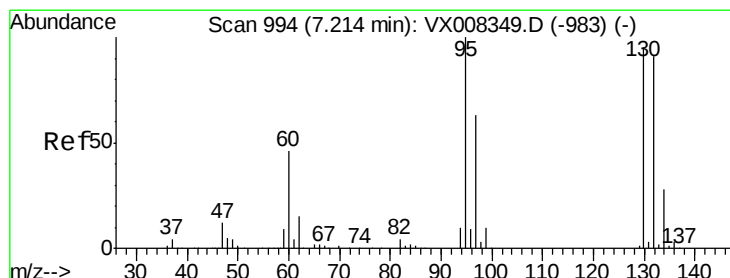
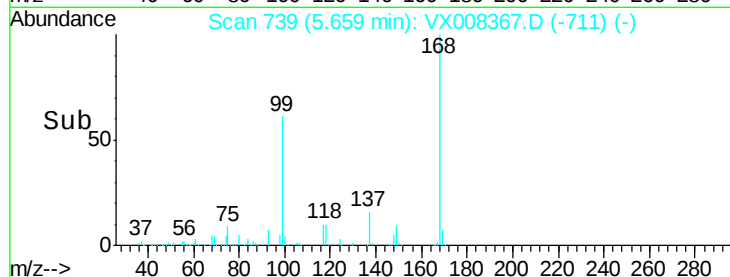
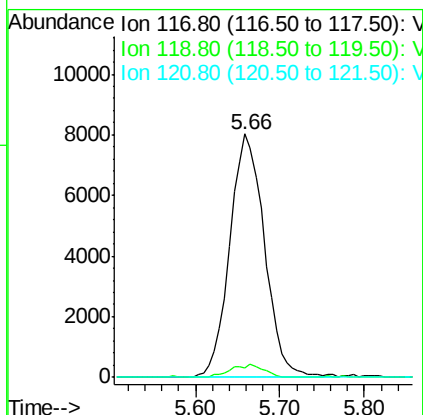
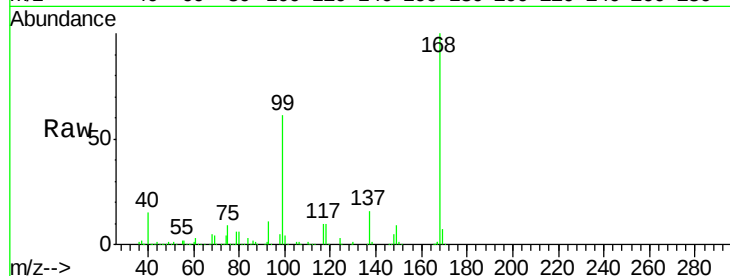




#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

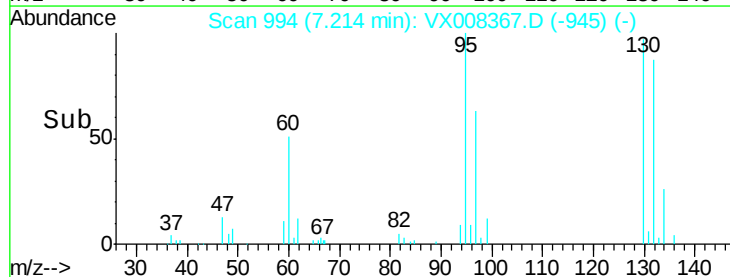
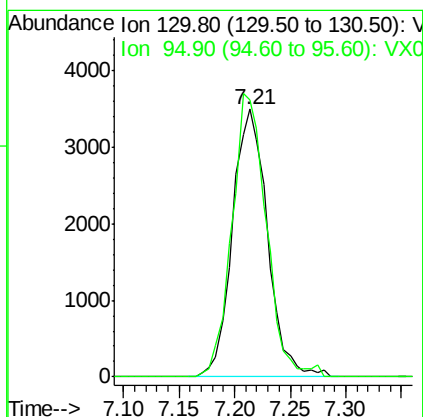
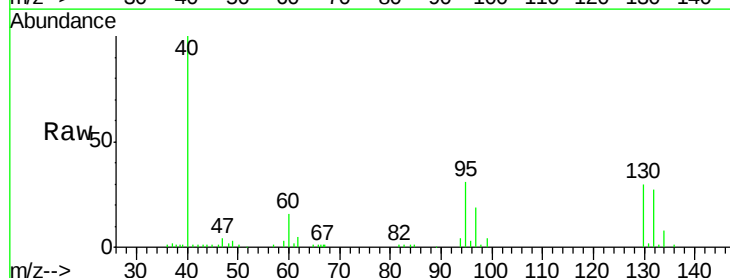
Instrument :
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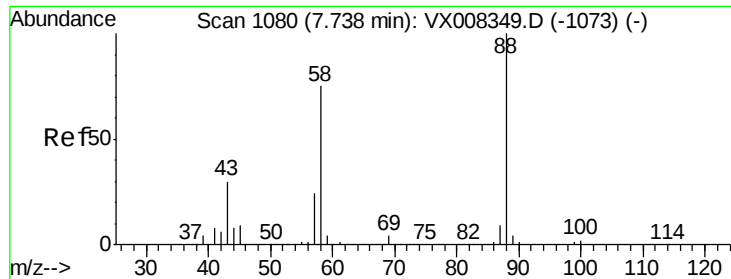
Tot Ion:117 Resp: 22418
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 2.734 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

Tgt Ion:130 Resp: 7634
Ion Ratio Lower Upper
130 100
95 103.4 0.0 188.0

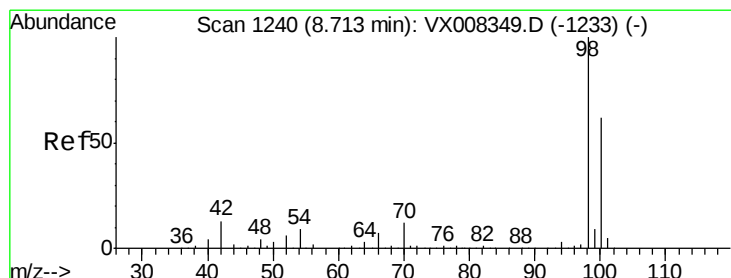
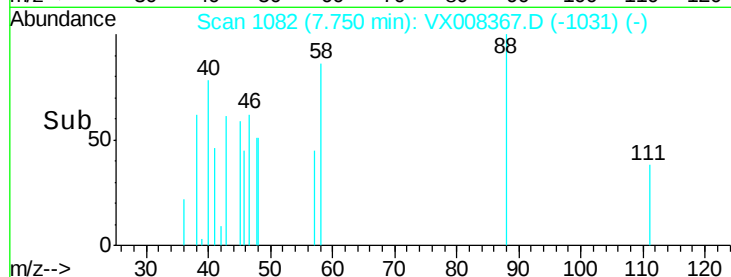
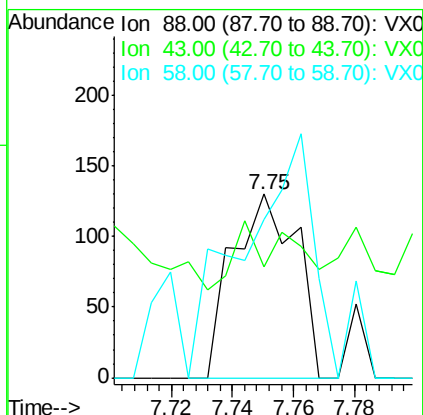
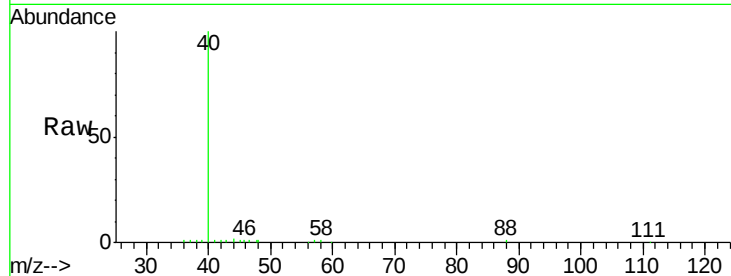




#49
1,4-Dioxane
Concen: 2.219 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

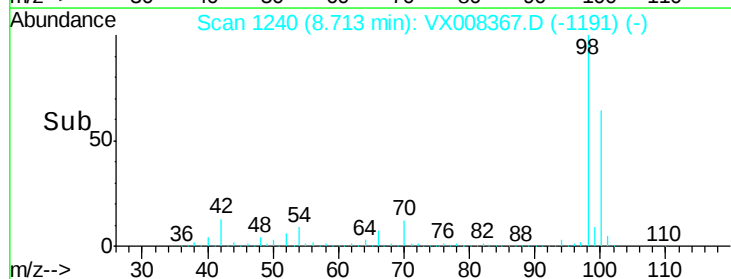
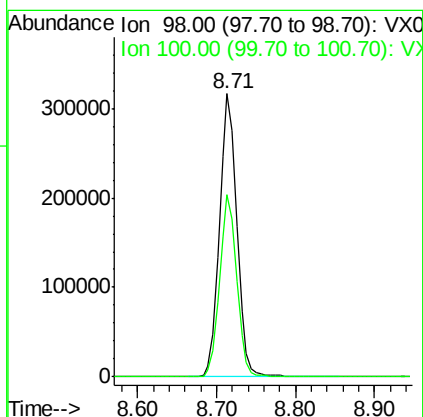
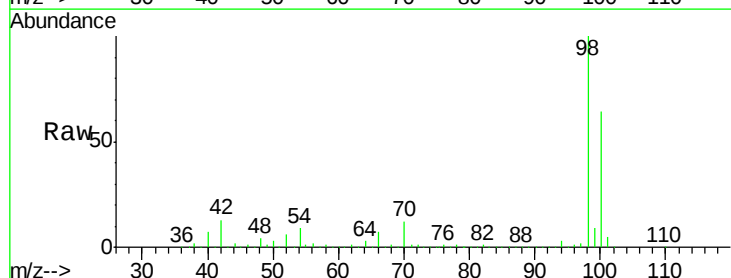
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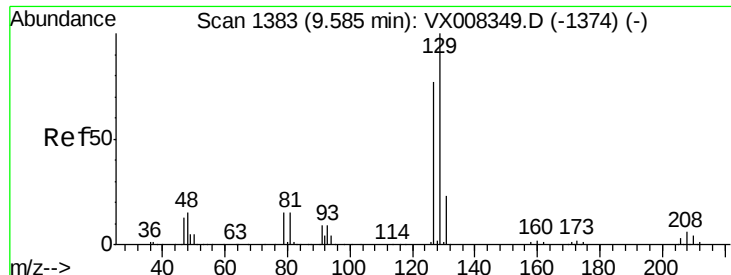
Tot Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 14.9 25.1 37.7#
58 0.0 57.8 86.6#



#50
Toluene-d8
Concen: 49.216 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

Tgt Ion: 98 Resp: 487312
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5





#60

Dibromochloromethane

Concen: 0.287 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX008367.D

Acq: 23 Mar 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

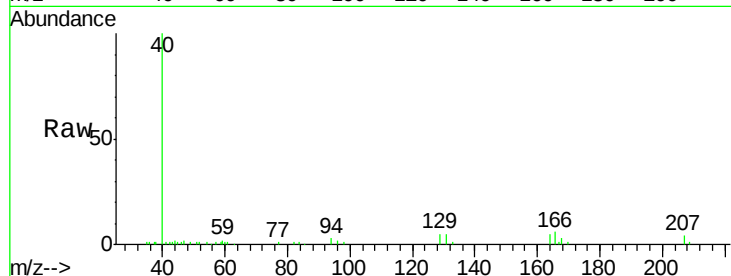
BPS1-TT-MW306I-20190314

Tot Ion:129 Resp: 781

Ion Ratio Lower Upper

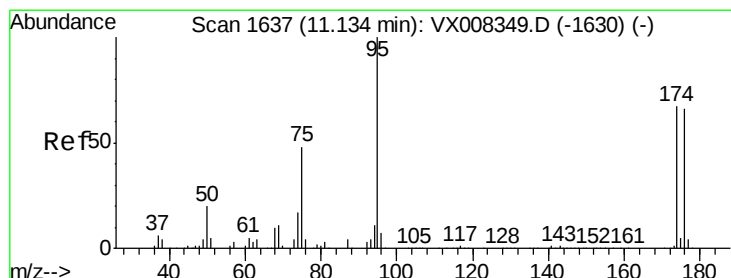
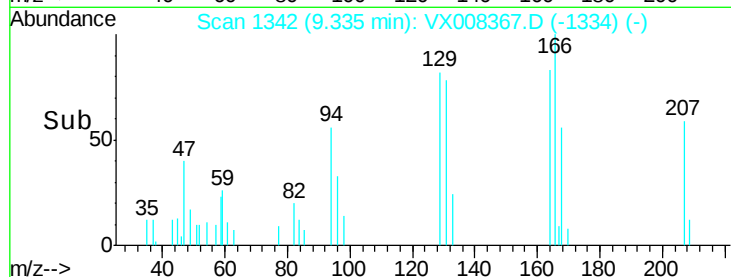
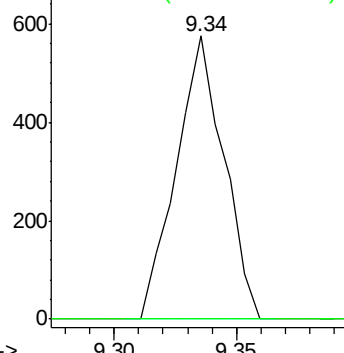
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.858 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008367.D

Acq: 23 Mar 2019 22:03

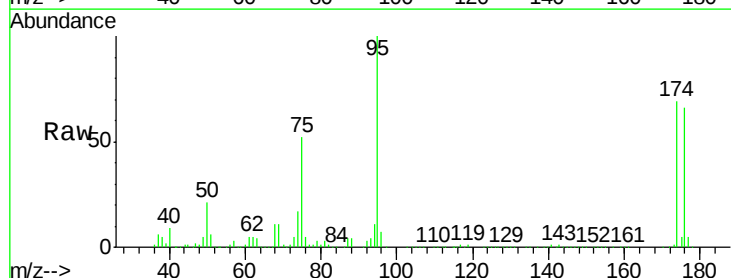
Tgt Ion: 95 Resp: 163076

Ion Ratio Lower Upper

95 100

174 72.5 0.0 182.8

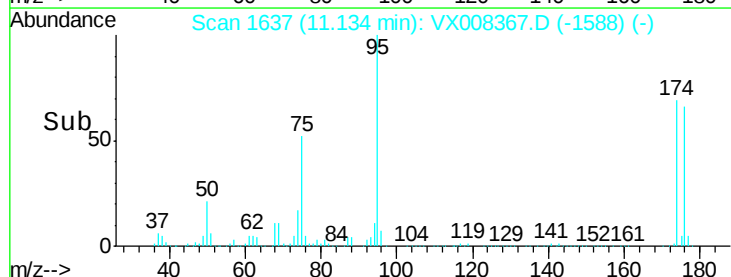
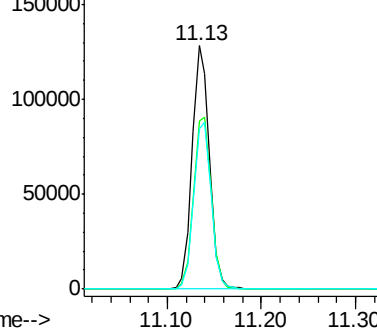
176 69.8 0.0 178.0

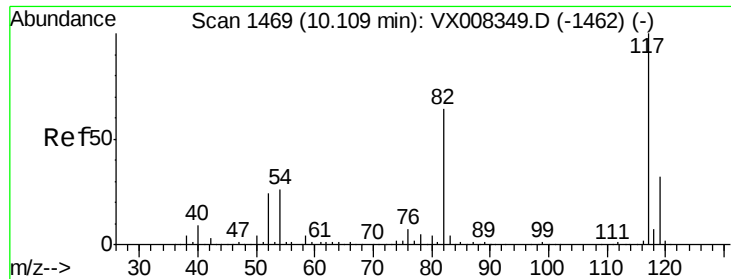


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

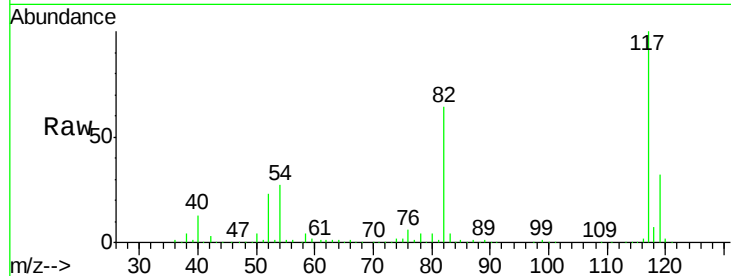




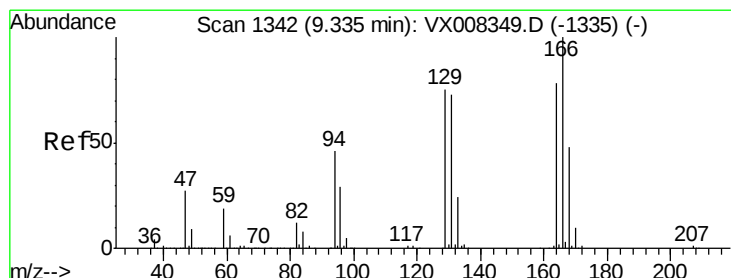
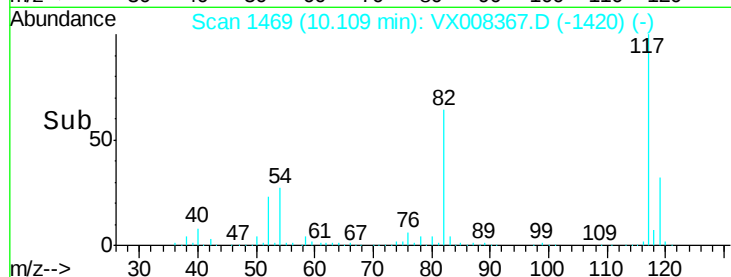
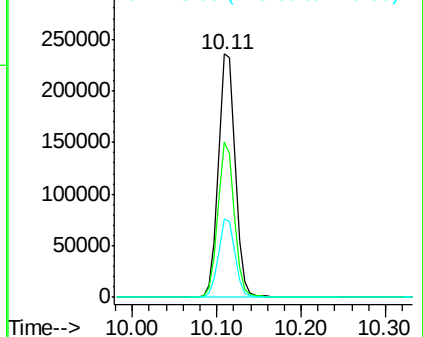
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW306I-20190314

Tot Ion:117 Resp: 331242
Ion Ratio Lower Upper
117 100
82 63.9 44.3 66.5
119 32.0 25.3 37.9



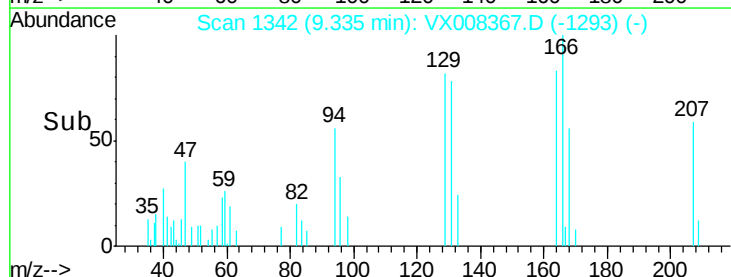
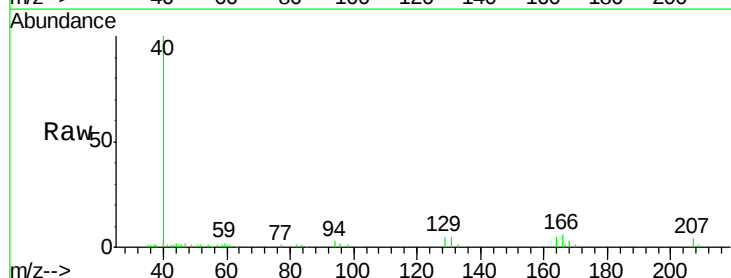
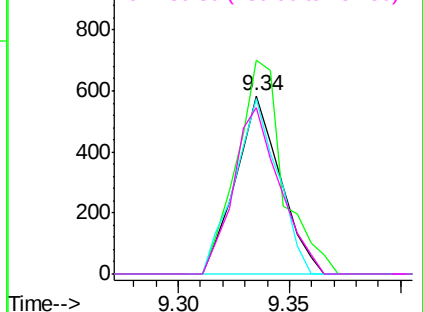
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

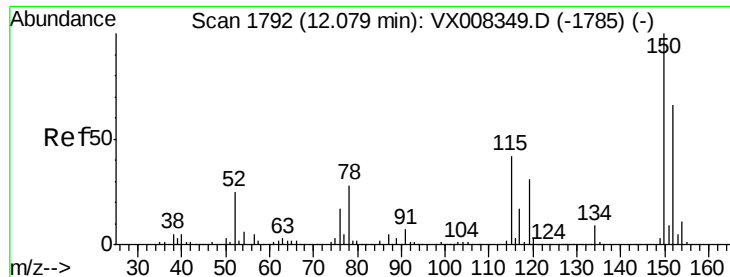


#64
Tetrachloroethene
Concen: 0.378 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008367.D
Acq: 23 Mar 2019 22:03

Tgt Ion:164 Resp: 818
Ion Ratio Lower Upper
164 100
166 119.9 103.4 155.0
129 98.5 72.2 108.4
131 93.7 69.4 104.2

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: VX008367.D

Acq: 23 Mar 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW306I-20190314

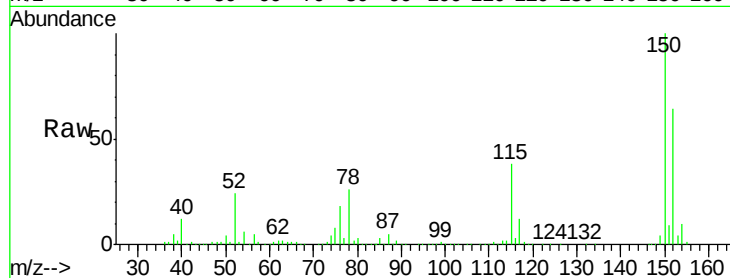
Tot Ion:152 Resp: 135022

Ion Ratio Lower Upper

152 100

115 62.0 38.6 115.7

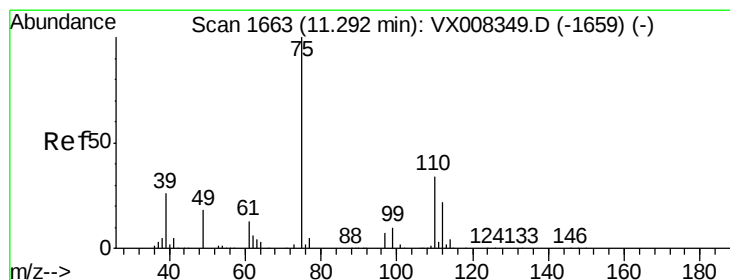
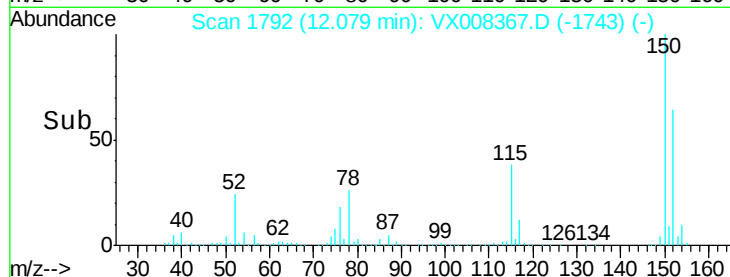
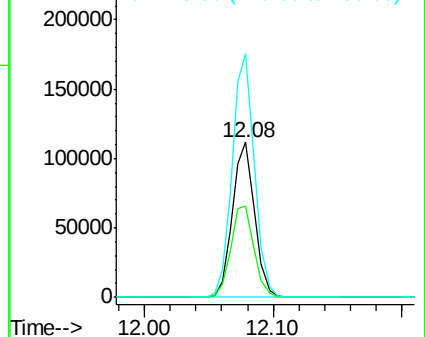
150 157.2 0.0 348.4



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: 23.810 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008367.D

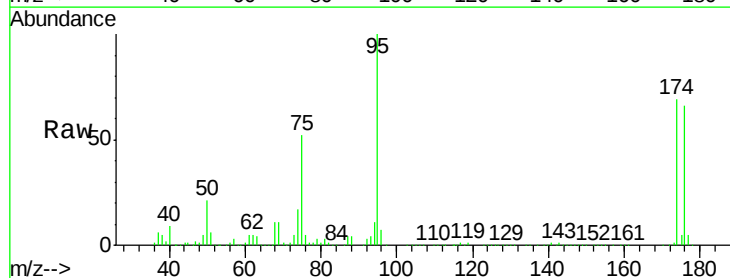
Acq: 23 Mar 2019 22:03

Tgt Ion: 75 Resp: 84150

Ion Ratio Lower Upper

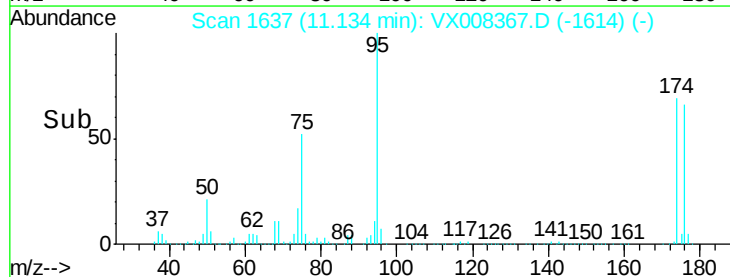
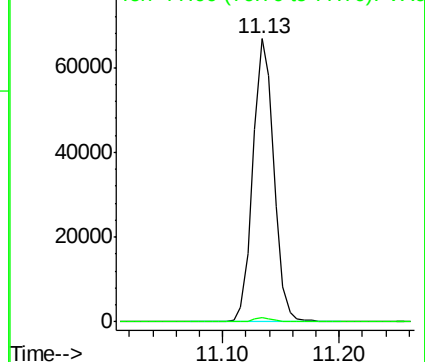
75 100

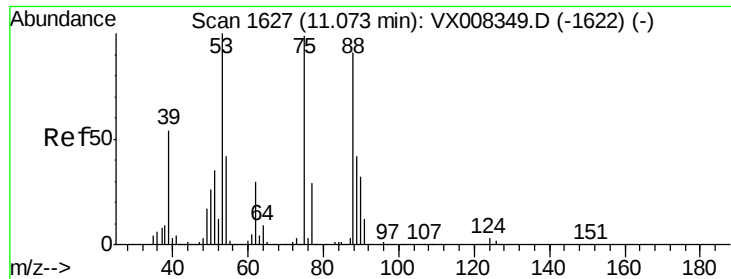
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.853 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008367.D

Acq: 23 Mar 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW306I-20190314

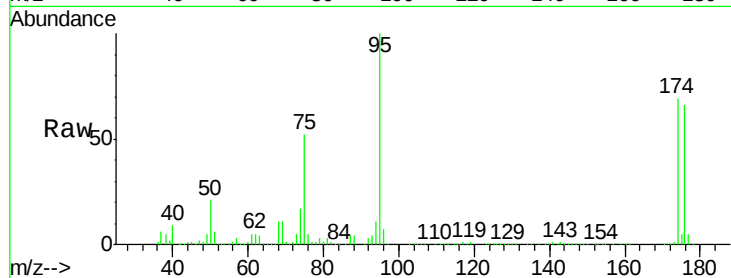
Tot Ion: 75 Resp: 84150

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.1 36.3 54.5#



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

