

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008126.D
 Acq On : 16 Mar 2019 00:24
 Operator : JC/SP
 Sample : K1856-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW306D-20190311

Quant Time: Mar 16 01:11:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	128283	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	5.51	113	123123	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	8.71	98	460638	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	168313	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

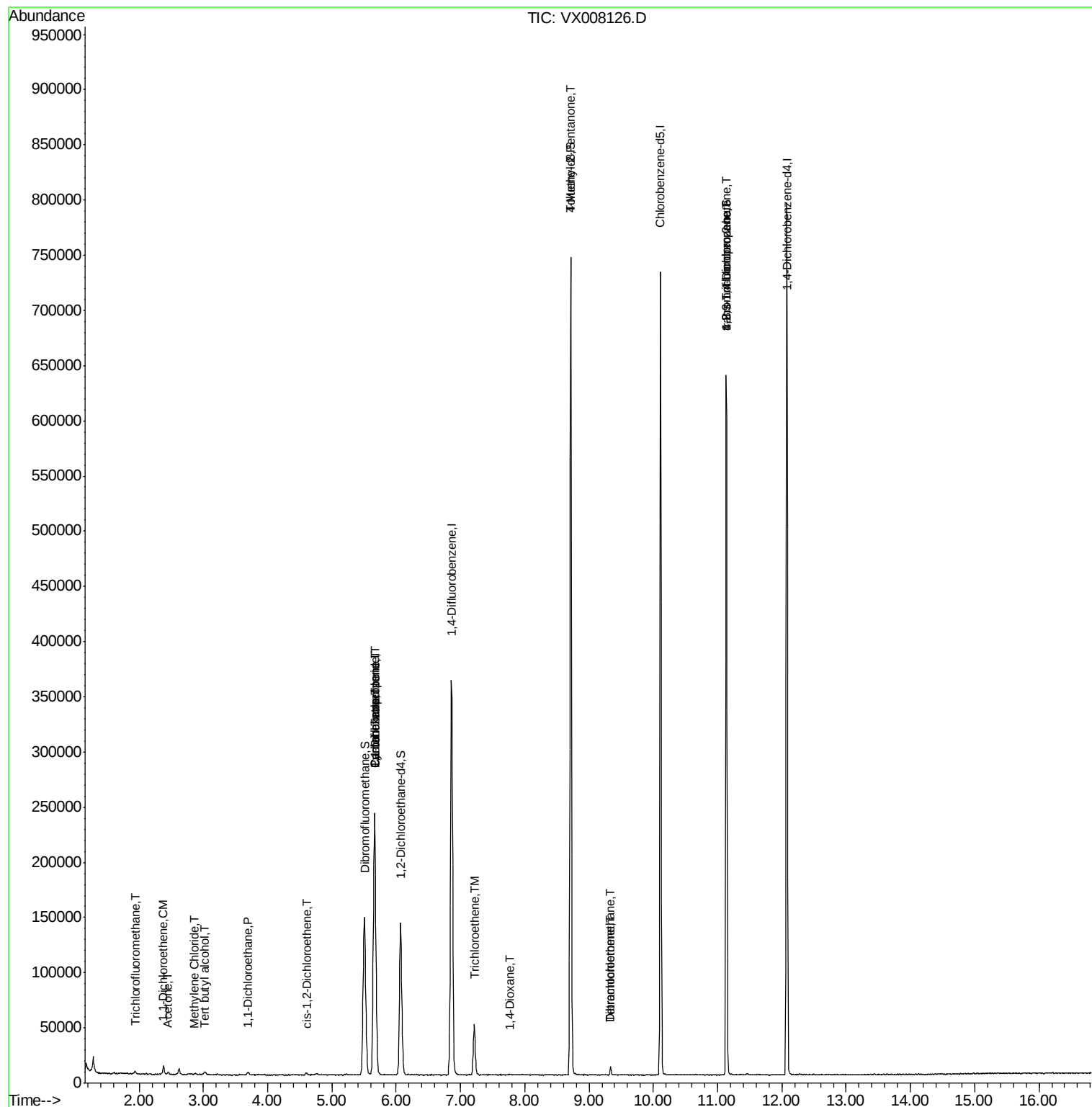
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	152	Below Cal		88
6) Chloroethane	1.67	64	128	Below Cal	#	43
7) Trichlorofluoromethane	1.94	101	1737	0.639	ug/l	92
11) Tert butyl alcohol	3.02	59	1627	3.314	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	2688	1.400	ug/l #	76
16) Acetone	2.45	43	1873	1.561	ug/l	99
20) Methylene Chloride	2.86	84	457	0.213	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	2365	0.621	ug/l #	83
27) cis-1,2-Dichloroethene	4.61	96	1187	0.483	ug/l	74
31) Cyclohexane	5.67	56	3693	1.016	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14128	4.515	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21454	7.124	ug/l #	16
44) Trichloroethene	7.21	130	19929	7.204	ug/l	100
49) 1,4-Dioxane	7.76	88	268	4.393	ug/l #	27
51) 4-Methyl-2-Pentanone	8.71	43	1751	0.491	ug/l #	1
60) Dibromochloromethane	9.34	129	1374	0.537	ug/l #	11
64) Tetrachloroethene	9.33	164	1471	0.497	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	75412	23.898	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	75412	68.004	ug/l #	11

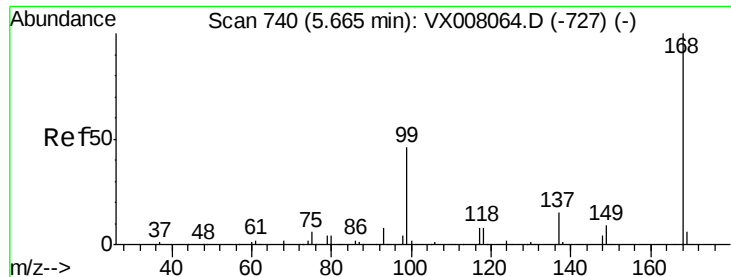
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008126.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

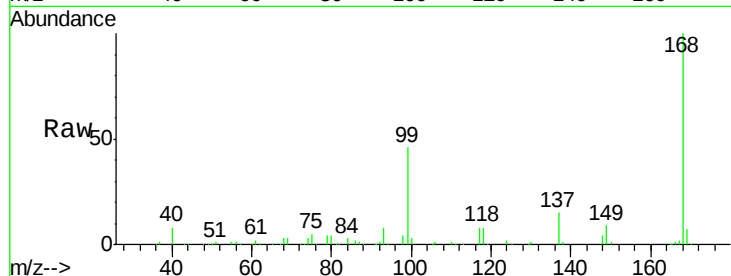
BPS1-TT-MW306D-20190311

Tot Ion:168 Resp: 251908

Ion Ratio Lower Upper

168 100

99 46.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

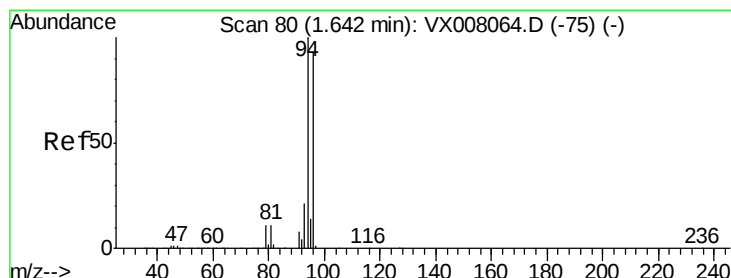
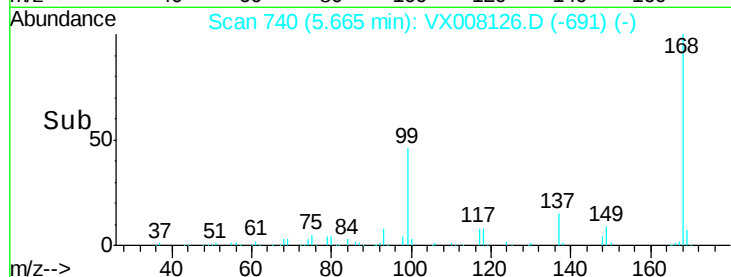
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008126.D

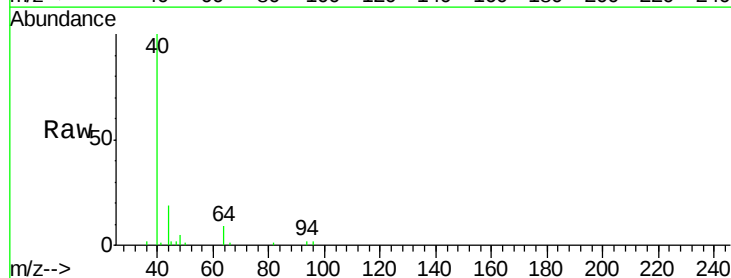
Acq: 16 Mar 2019 00:24

Tgt Ion: 94 Resp: 152

Ion Ratio Lower Upper

94 100

96 82.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

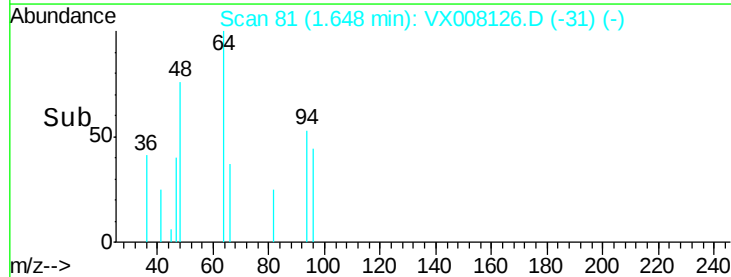
1.65

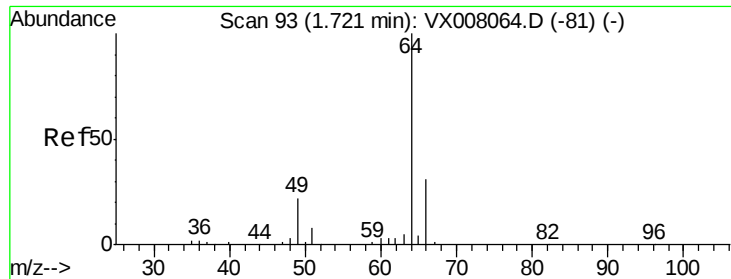
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.05 min

Lab File: VX008126.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

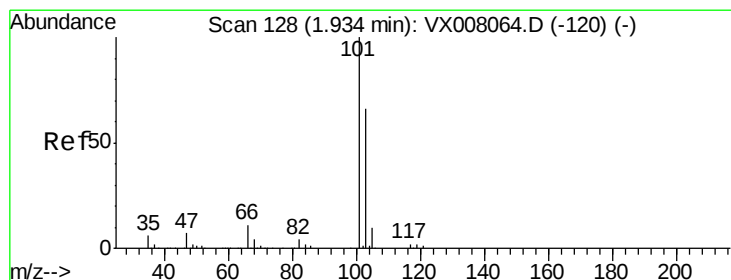
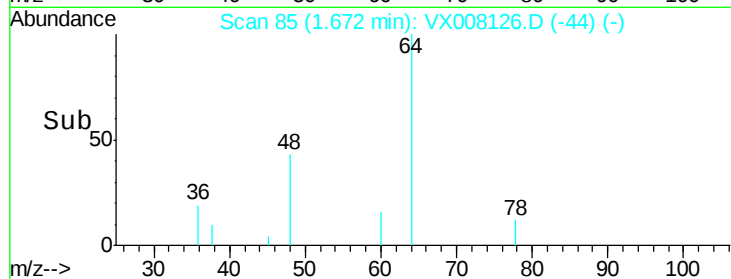
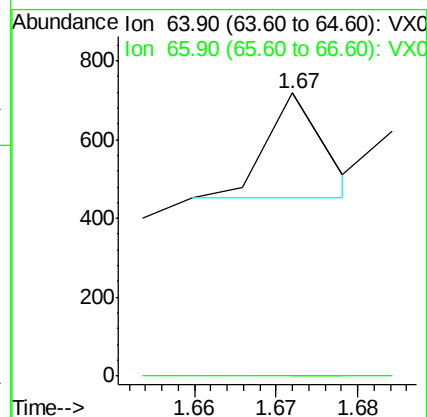
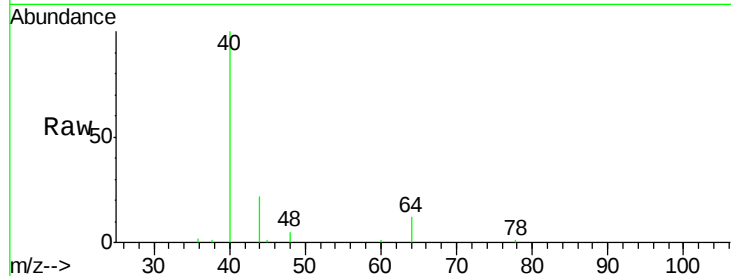
BPS1-TT-MW306D-20190311

Tot Ion: 64 Resp: 128

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#7

Trichlorofluoromethane

Concen: 0.639 ug/l

RT: 1.94 min Scan# 129

Delta R.T. 0.01 min

Lab File: VX008126.D

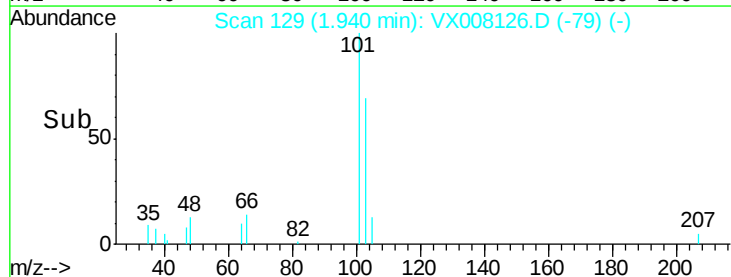
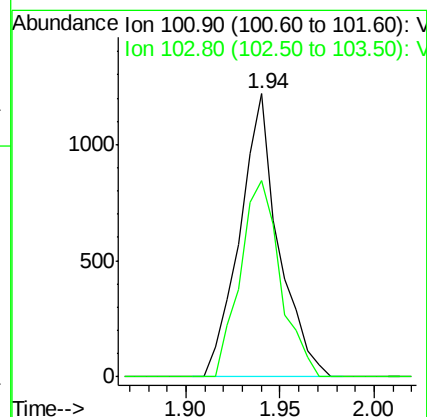
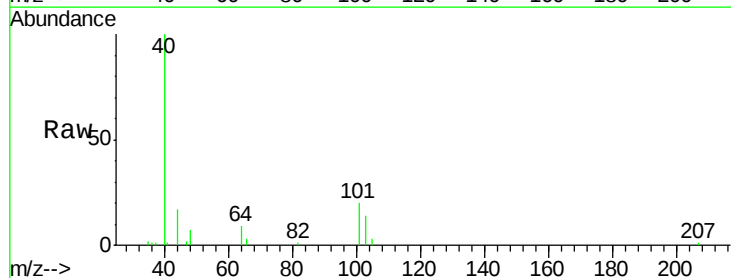
Acq: 16 Mar 2019 00:24

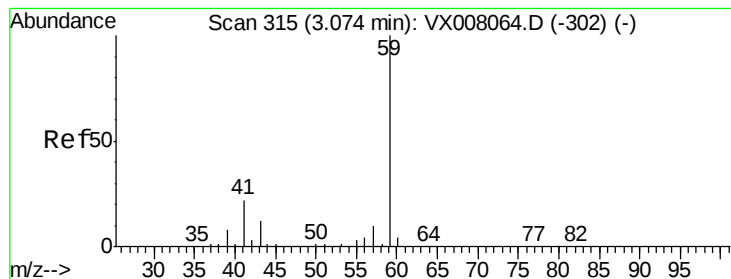
Tgt Ion:101 Resp: 1737

Ion Ratio Lower Upper

101 100

103 69.5 50.4 75.6



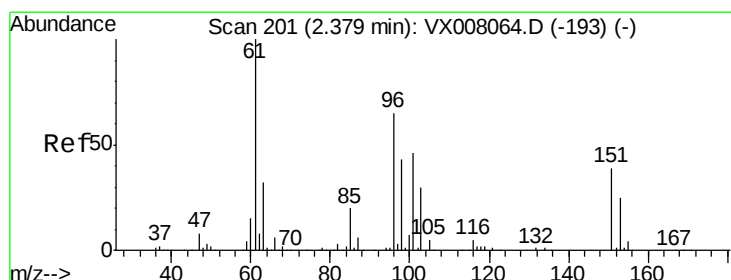
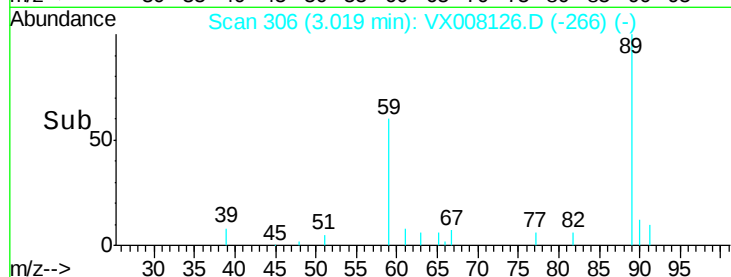
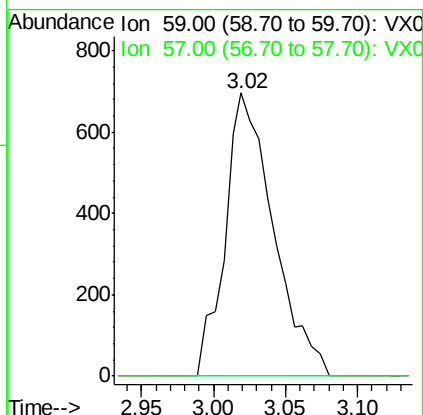
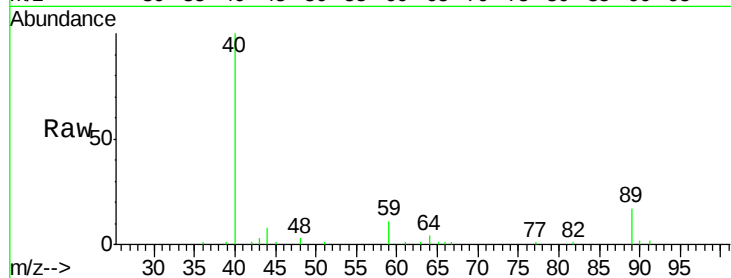


#11

Tert butyl alcohol
 Concen: 3.314 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW306D-20190311

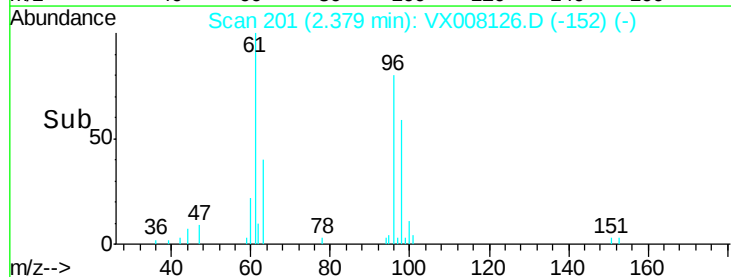
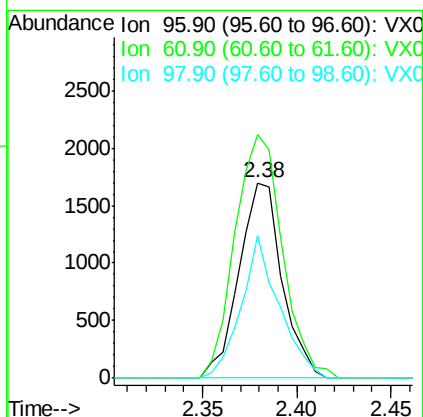
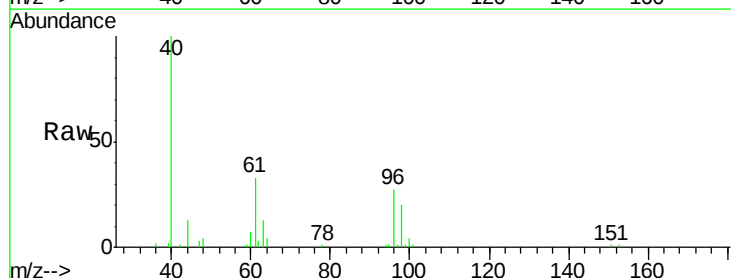
Tot Ion: 59 Resp: 1627
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

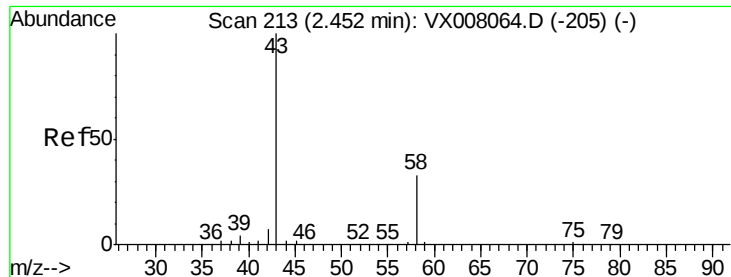


#12

1,1-Dichloroethene
 Concen: 1.400 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.00 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

Tgt Ion: 96 Resp: 2688
 Ion Ratio Lower Upper
 96 100
 61 124.5 129.8 194.6#
 98 73.1 51.0 76.6





#16

Acetone

Concen: 1.561 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008126.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

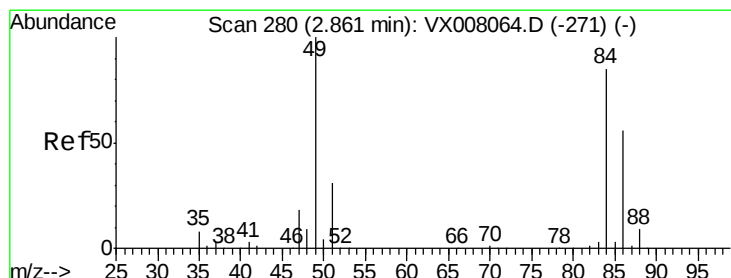
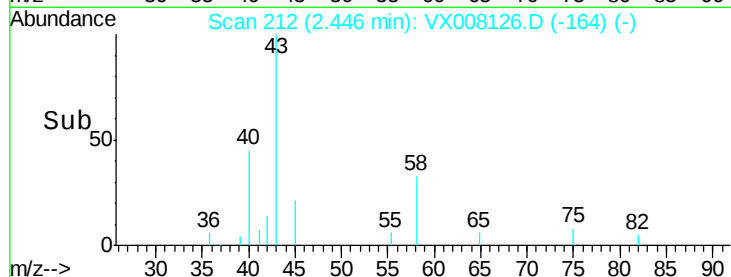
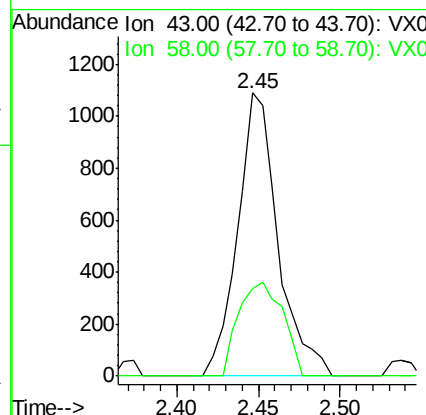
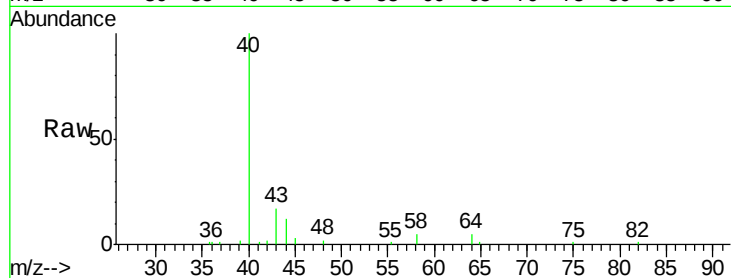
BPS1-TT-MW306D-20190311

Tot Ion: 43 Resp: 1873

Ion Ratio Lower Upper

43 100

58 31.1 25.5 38.3



#20

Methylene Chloride

Concen: 0.213 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008126.D

Acq: 16 Mar 2019 00:24

Tgt Ion: 84 Resp: 457

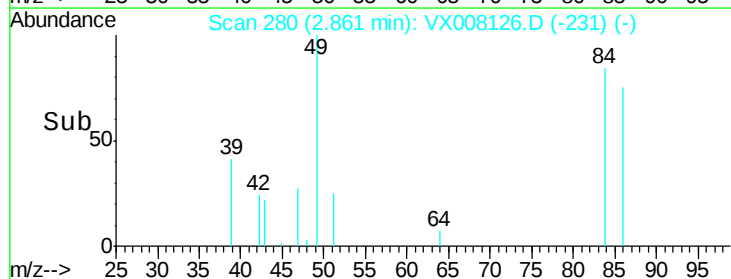
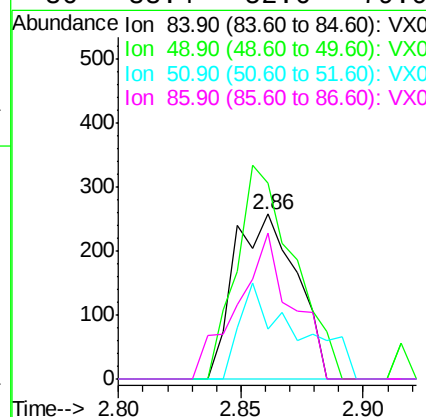
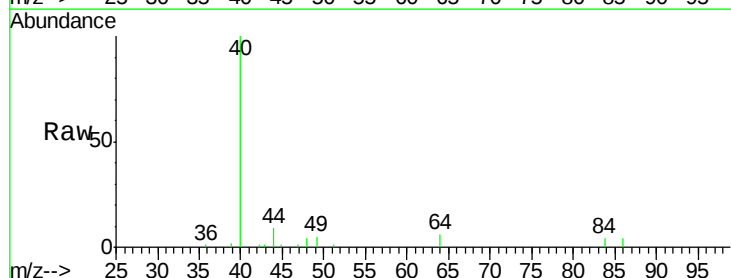
Ion Ratio Lower Upper

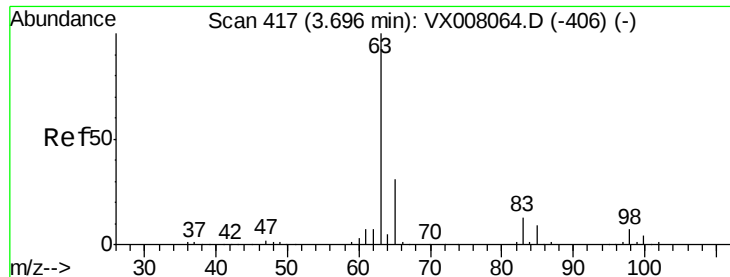
84 100

49 118.6 99.3 148.9

51 30.2 31.3 46.9#

86 88.4 52.6 79.0#

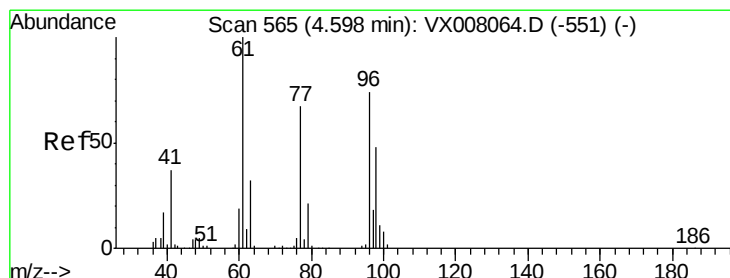
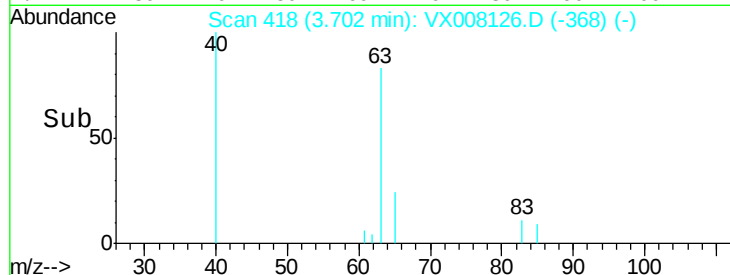
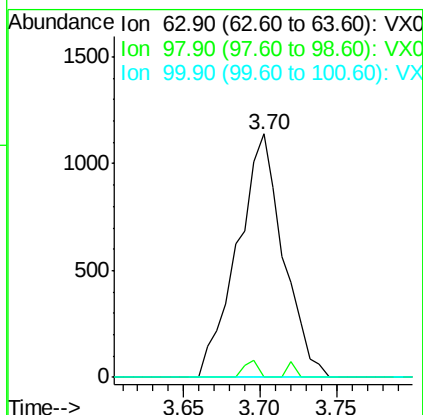
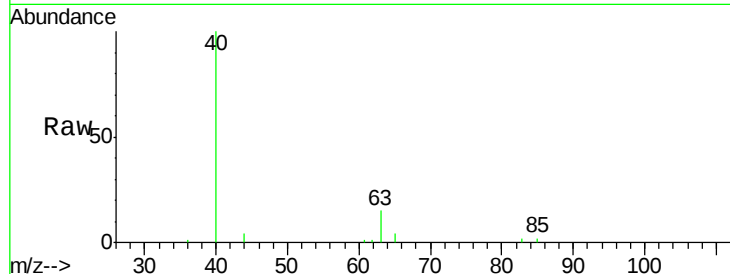




#24
 1,1-Dichloroethane
 Concen: 0.621 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

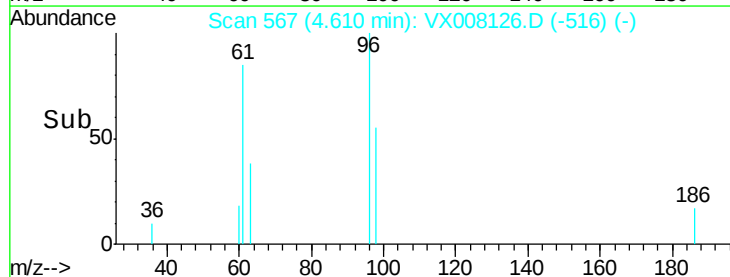
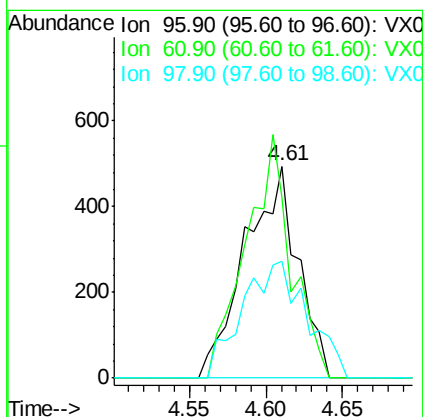
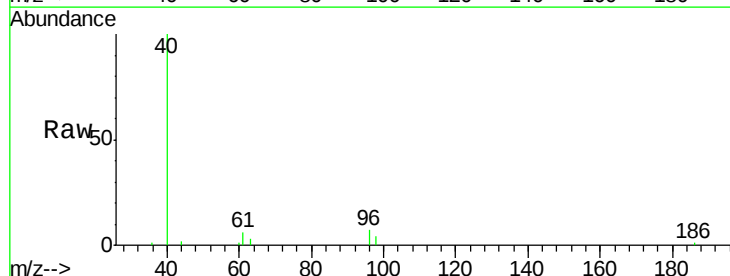
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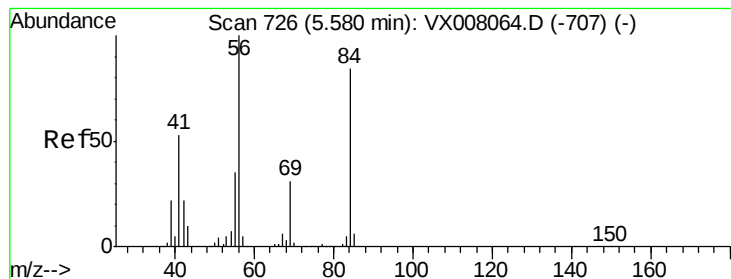
Tot Ion: 63 Resp: 2365
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.3 6.8#



#27
 cis-1,2-Dichloroethene
 Concen: 0.483 ug/l
 RT: 4.61 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

Tgt Ion: 96 Resp: 1187
 Ion Ratio Lower Upper
 96 100
 61 98.7 0.0 288.0
 98 67.4 0.0 129.0





#31

Cyclohexane

Concen: 1.016 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.09 min

Lab File: VX008126.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW306D-20190311

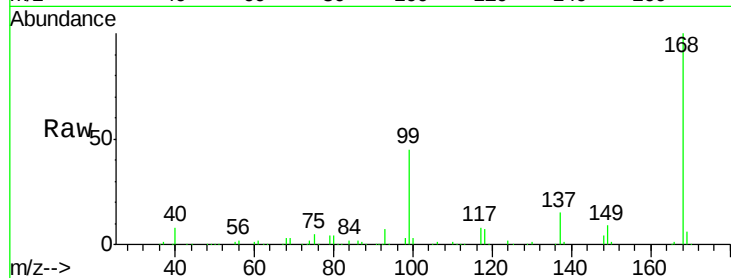
Tot Ion: 56 Resp: 3693

Ion Ratio Lower Upper

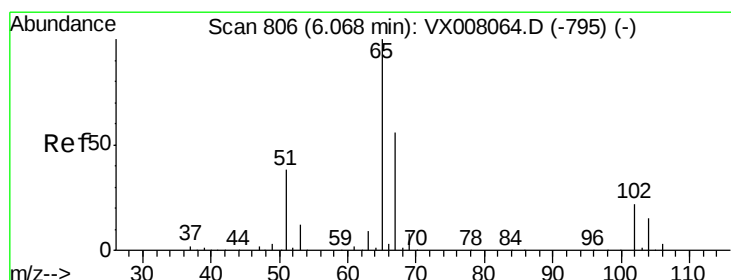
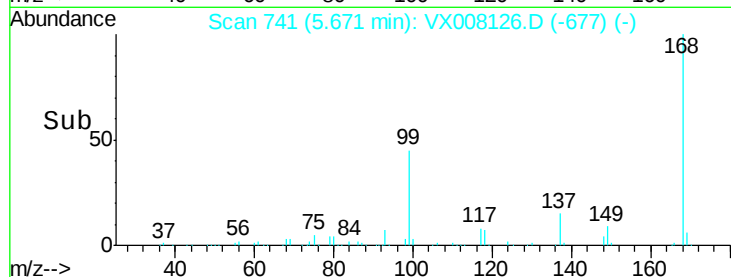
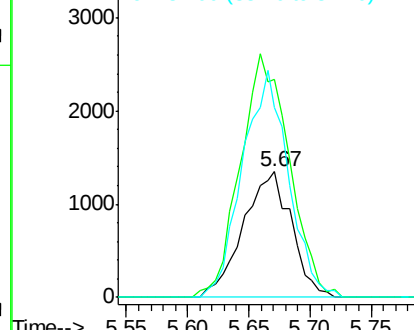
56 100

69 174.2 24.0 36.0#

84 151.2 65.3 97.9#



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: 50.483 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008126.D

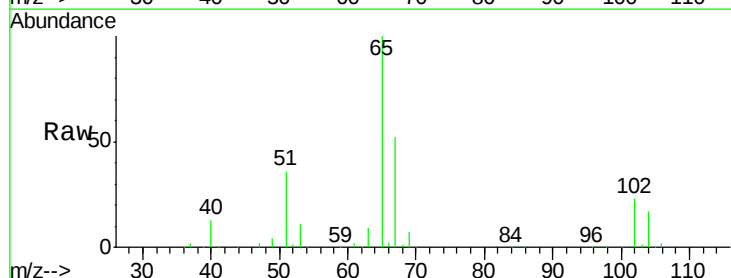
Acq: 16 Mar 2019 00:24

Tgt Ion: 65 Resp: 128283

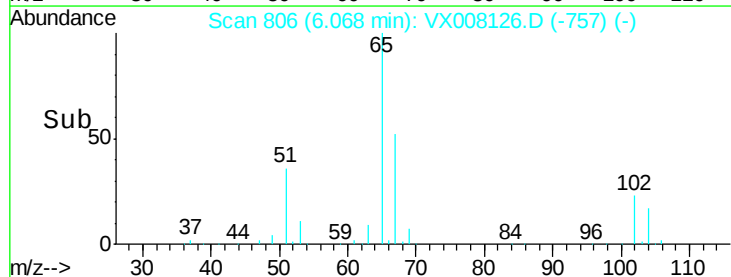
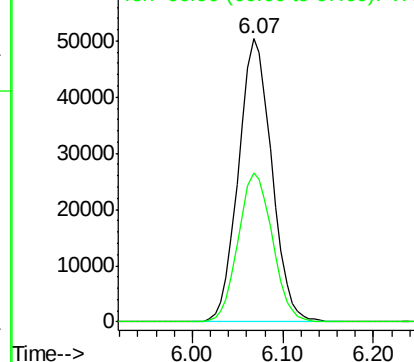
Ion Ratio Lower Upper

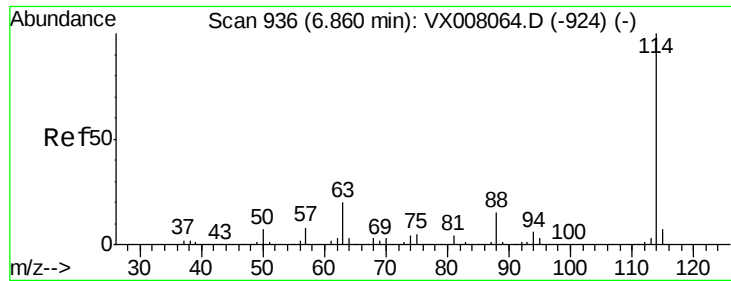
65 100

67 54.1 0.0 110.0



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

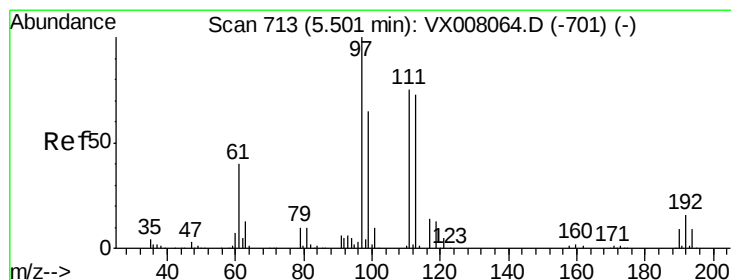
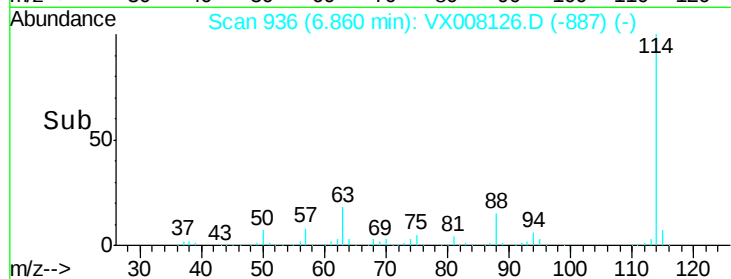
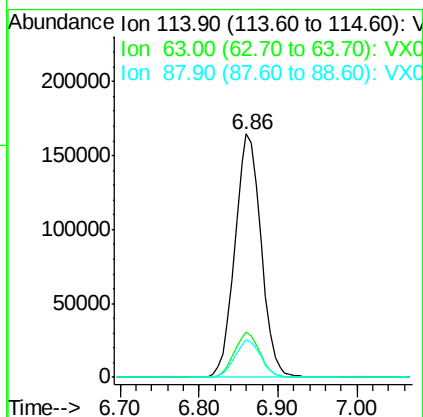
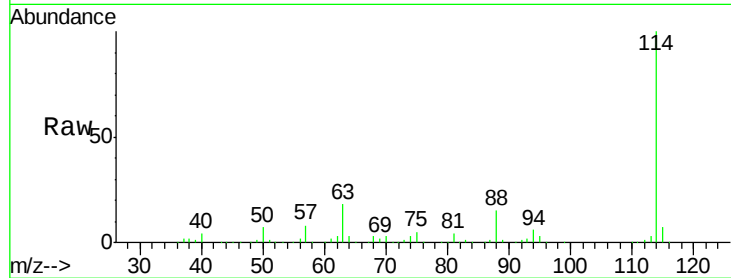




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

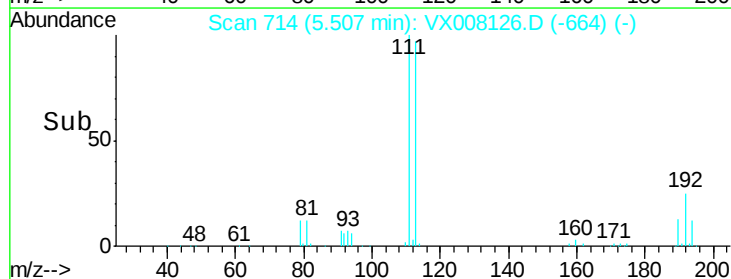
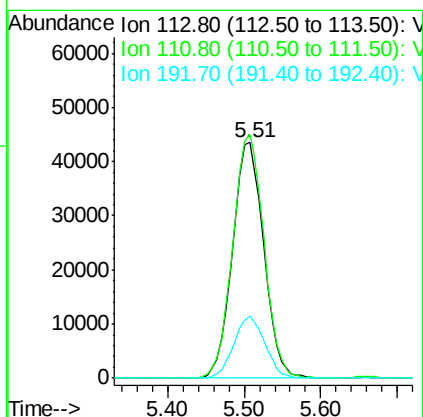
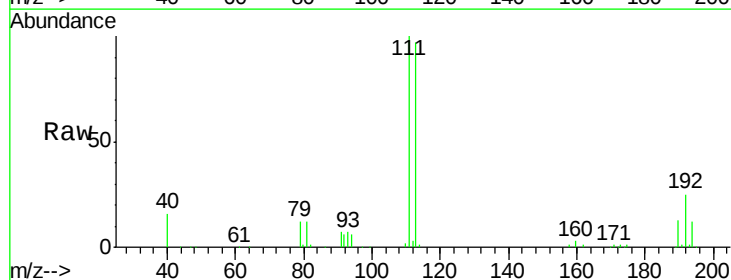
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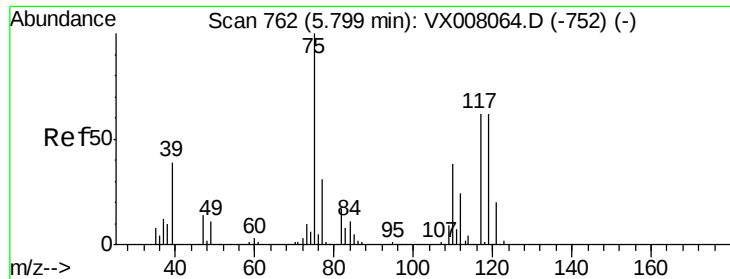
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	39.8
88	15.2	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 51.050 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	26.0	19.4	29.0

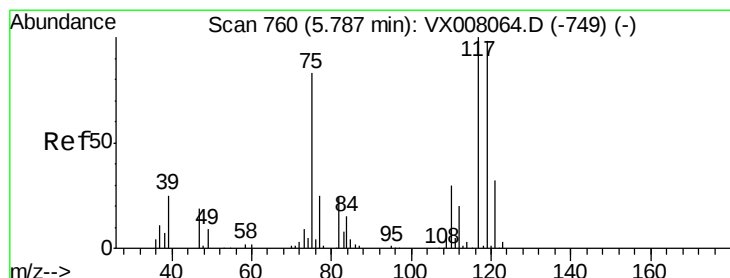
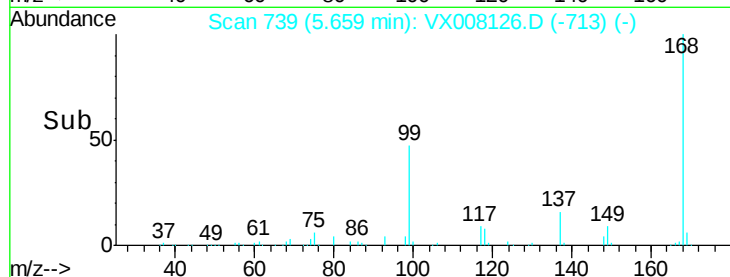
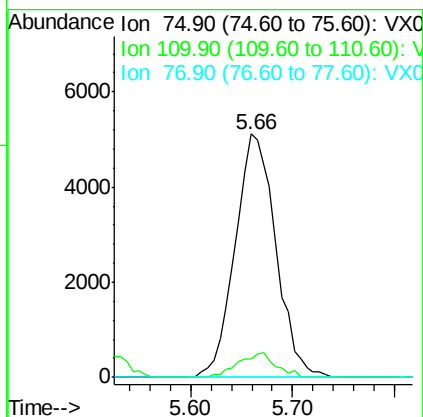
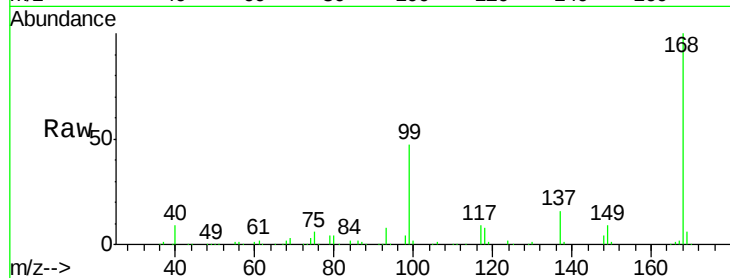




#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

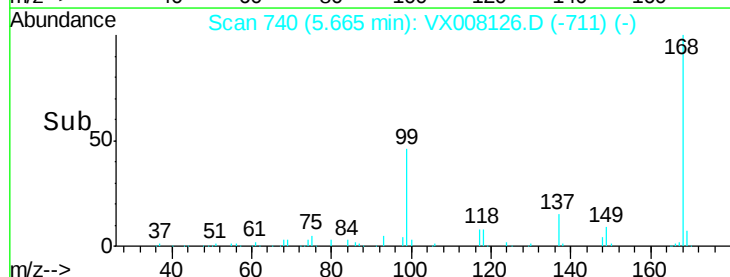
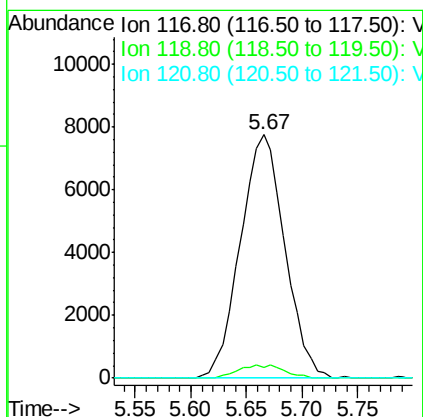
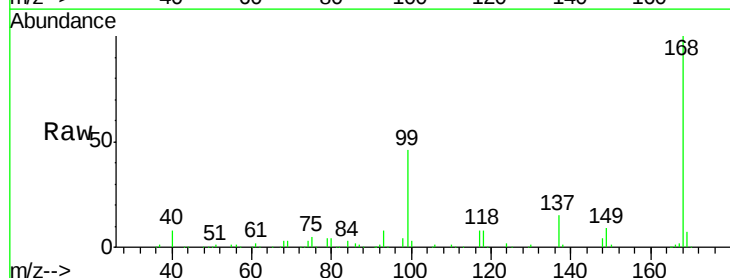
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW306D-20190311

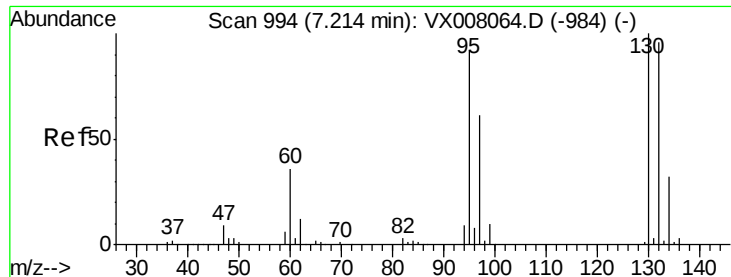
Tot Ion: 75 Resp: 14128
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.4 55.0#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.124 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

Tgt Ion: 117 Resp: 21454
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 24.6 36.8#

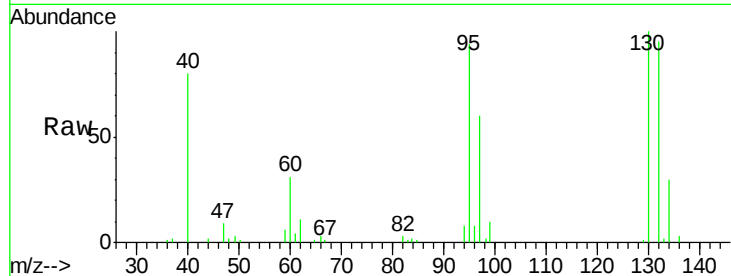




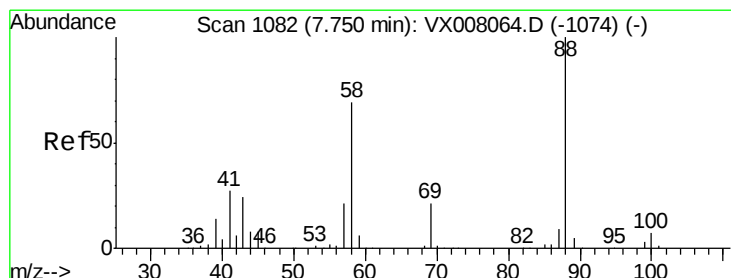
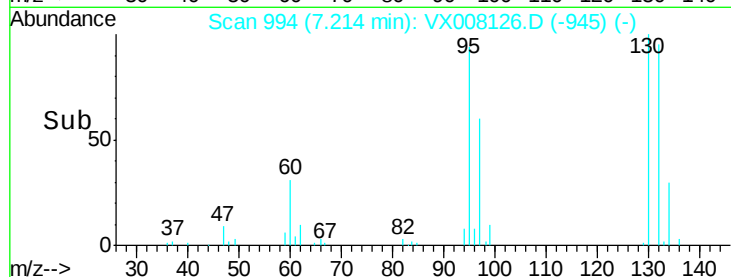
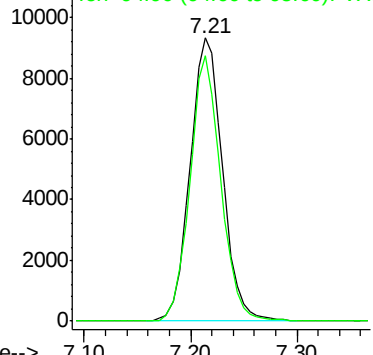
#44
 Trichloroethene
 Concen: 7.204 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW306D-20190311

Tot Ion:130 Resp: 19929
 Ion Ratio Lower Upper
 130 100
 95 93.8 0.0 188.0

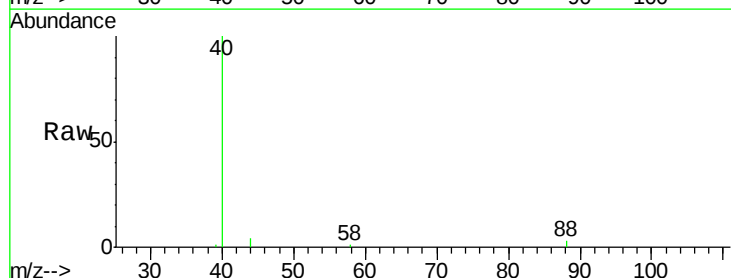


Abundance Ion 129.80 (129.50 to 130.50): V

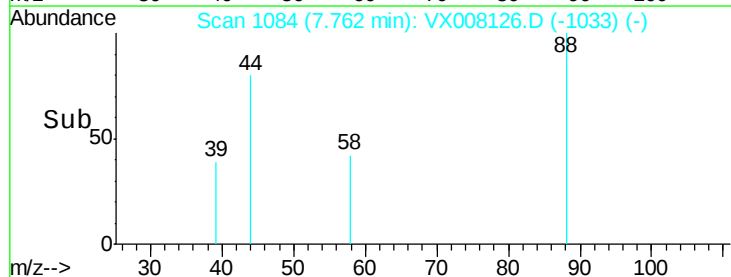
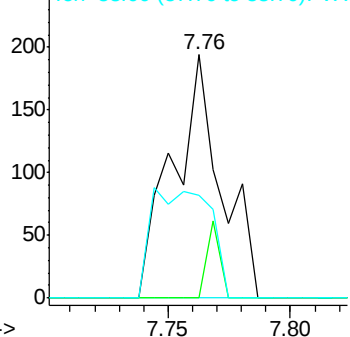


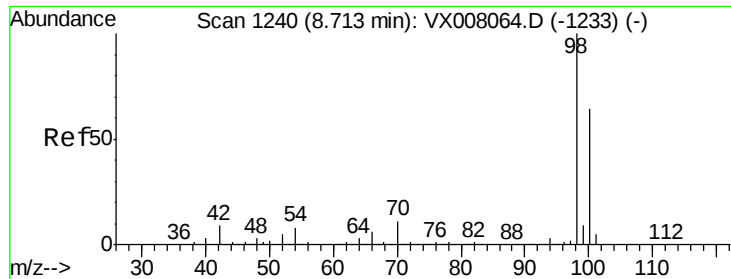
#49
 1,4-Dioxane
 Concen: 4.393 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: VX008126.D
 Acq: 16 Mar 2019 00:24

Tgt Ion: 88 Resp: 268
 Ion Ratio Lower Upper
 88 100
 43 8.2 25.1 37.7#
 58 0.0 57.8 86.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

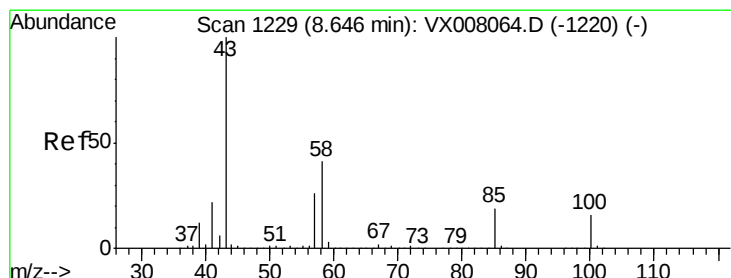
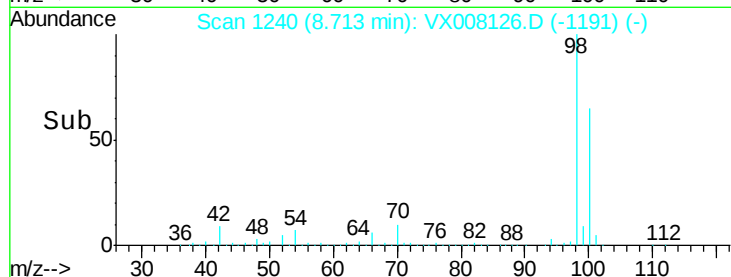
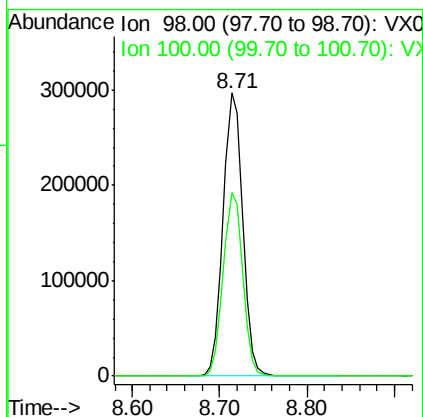
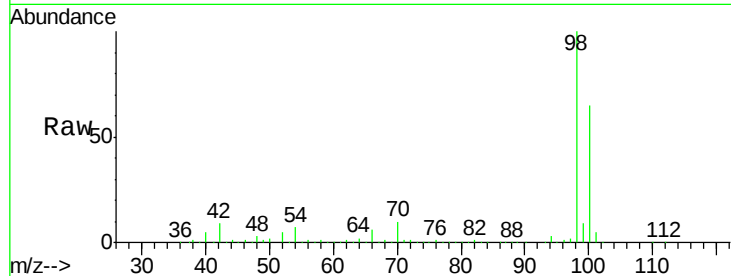




#50
Toluene-d8
Concen: 50.217 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008126.D
Acq: 16 Mar 2019 00:24

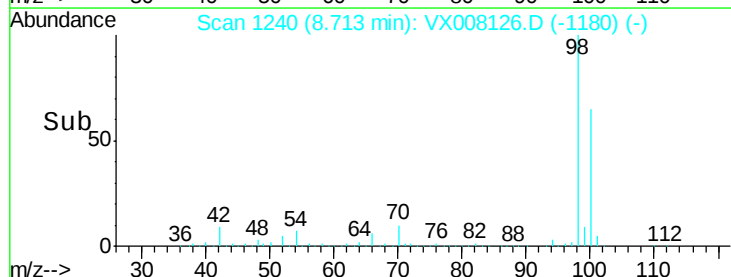
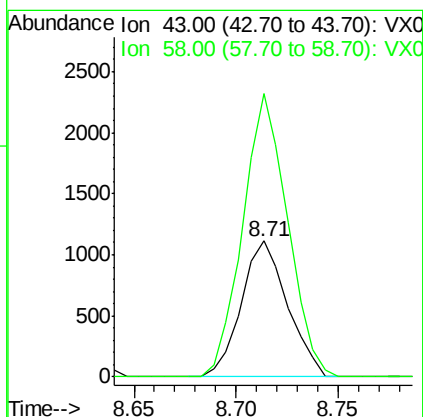
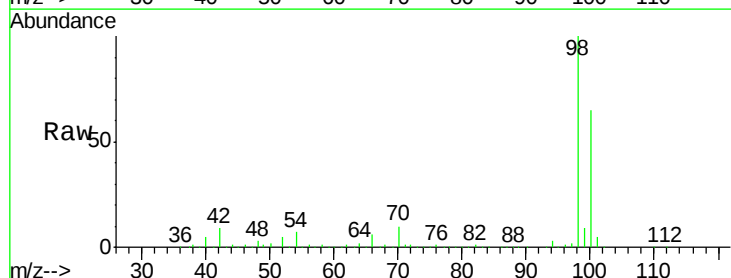
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW306D-20190311

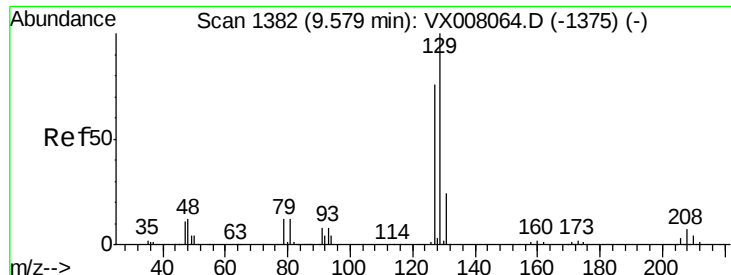
Tot Ion: 98 Resp: 460638
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008126.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
58 202.0 31.3 46.9#

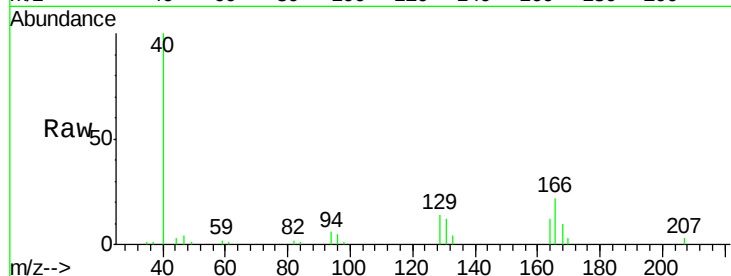




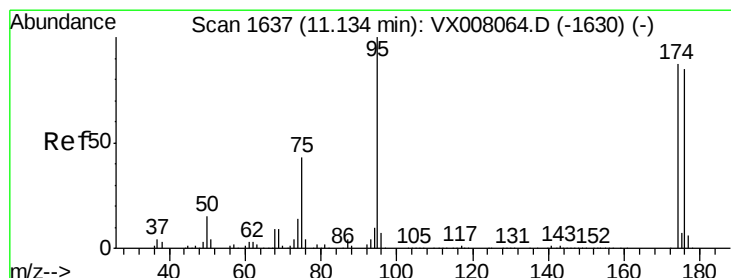
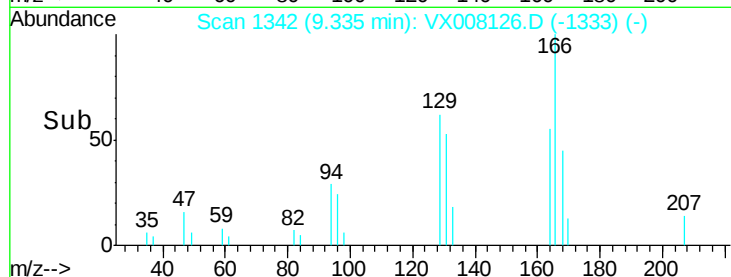
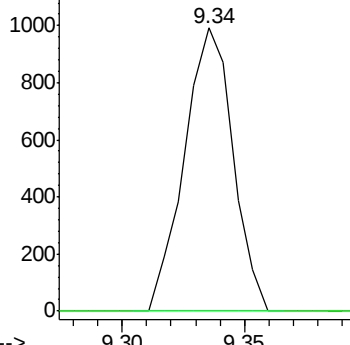
#60
Dibromochloromethane
Concen: 0.537 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008126.D
Acq: 16 Mar 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW306D-20190311

Tot Ion:129 Resp: 1374
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#

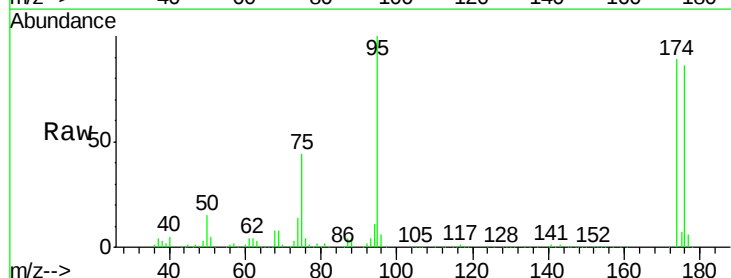


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

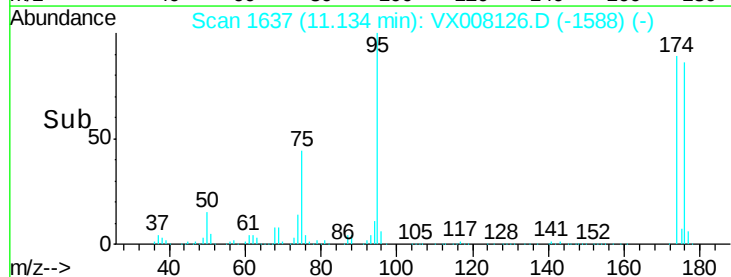
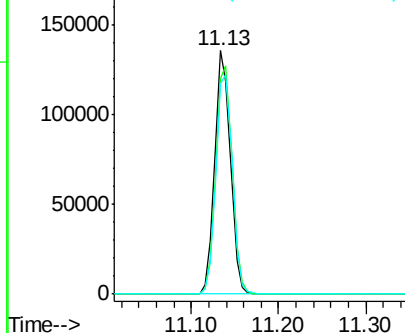


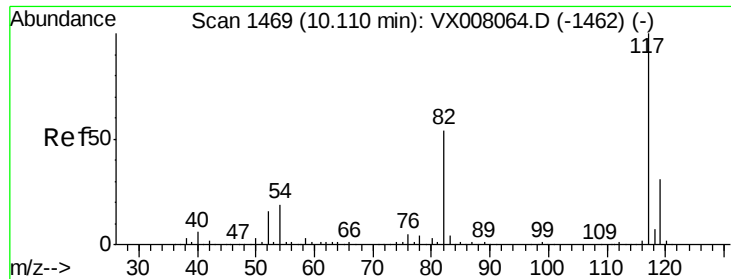
#62
4-Bromofluorobenzene
Concen: 51.220 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008126.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 95 Resp: 168313
Ion Ratio Lower Upper
95 100
174 97.6 0.0 182.8
176 94.1 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

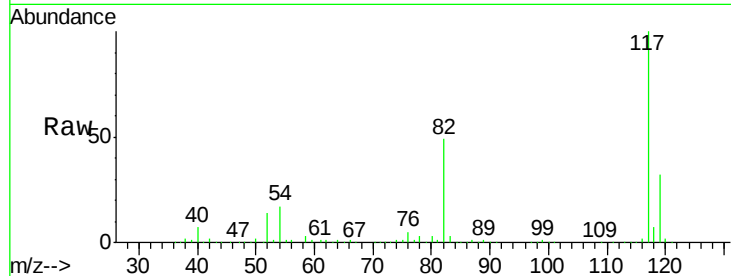




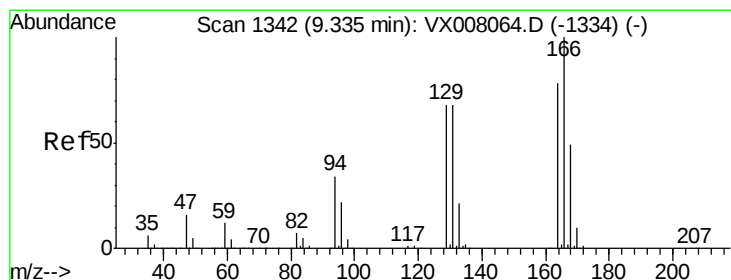
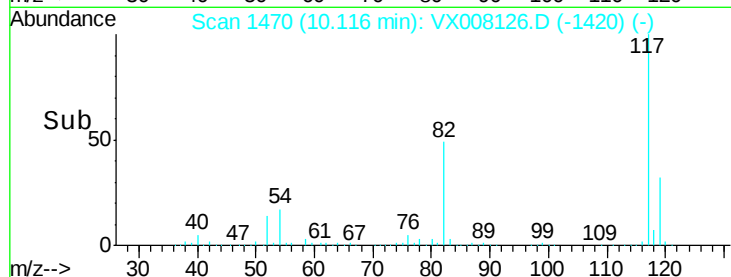
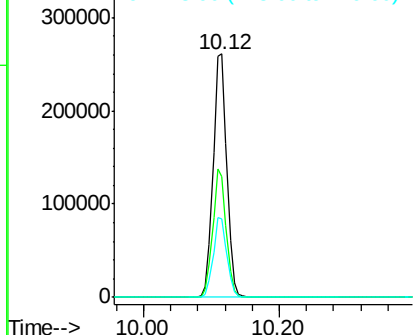
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008126.D
Acq: 16 Mar 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW306D-20190311

Tot Ion:117 Resp: 364932
Ion Ratio Lower Upper
117 100
82 49.5 44.3 66.5
119 32.1 25.3 37.9



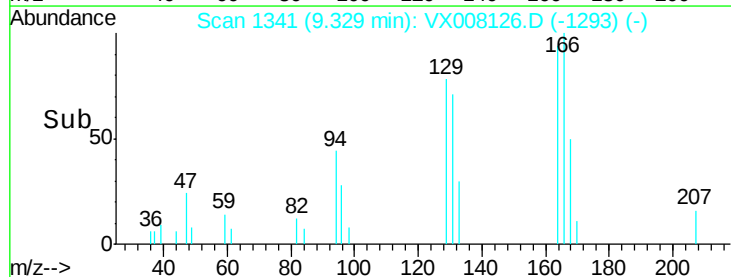
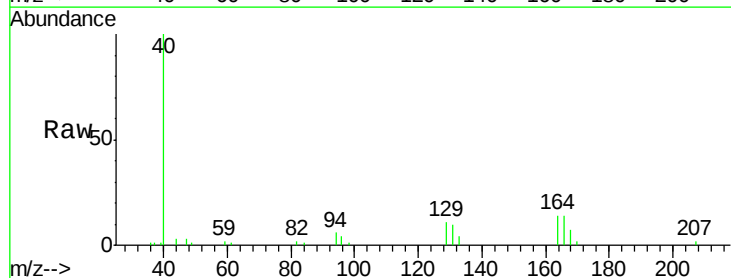
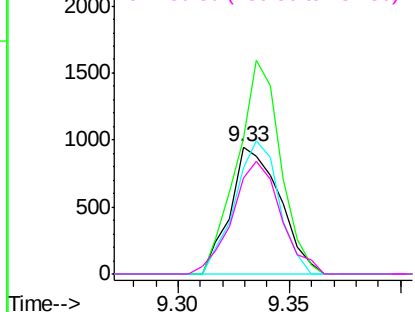
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

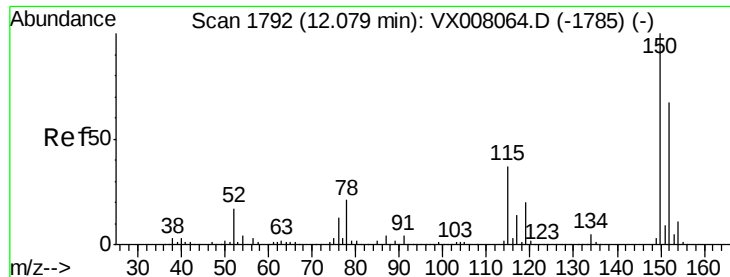


#64
Tetrachloroethene
Concen: 0.497 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX008126.D
Acq: 16 Mar 2019 00:24

Tgt Ion:164 Resp: 1471
Ion Ratio Lower Upper
164 100
166 106.1 103.4 155.0
129 83.2 72.2 108.4
131 75.4 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: VX008126.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW306D-20190311

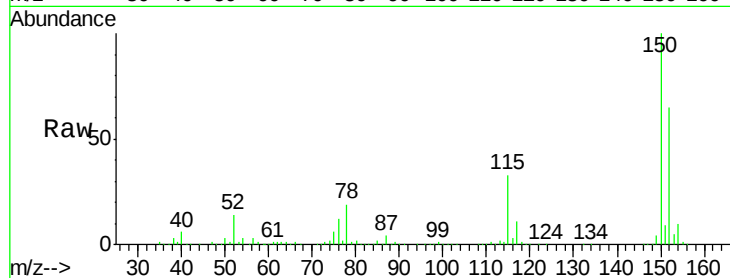
Tot Ion:152 Resp: 181701

Ion Ratio Lower Upper

152 100

115 53.4 38.6 115.7

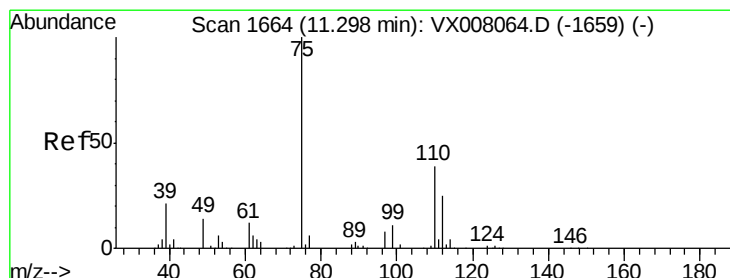
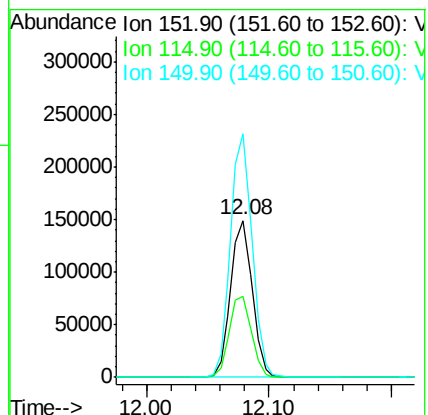
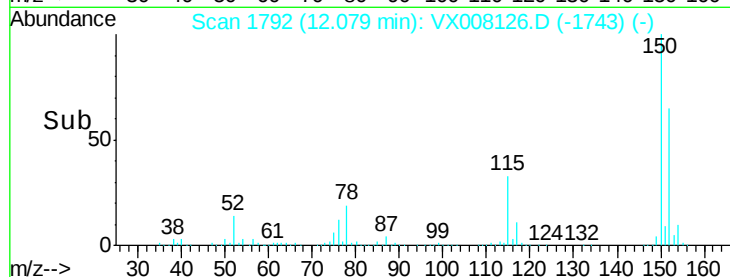
150 155.5 0.0 348.4



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: 23.898 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008126.D

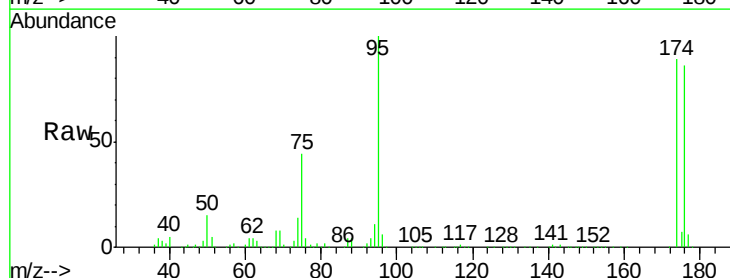
Acq: 16 Mar 2019 00:24

Tgt Ion: 75 Resp: 75412

Ion Ratio Lower Upper

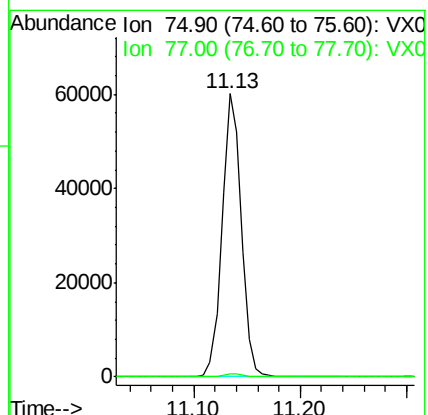
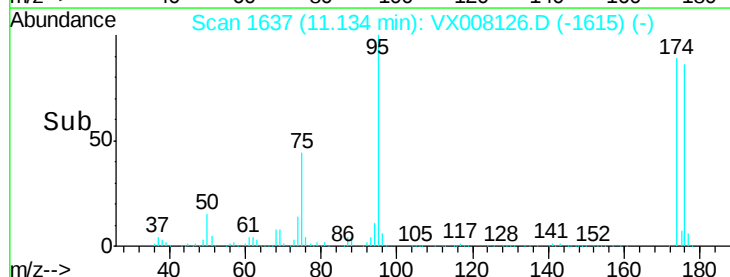
75 100

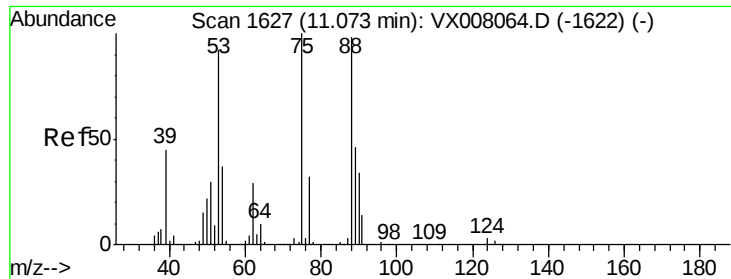
77 1.2 18.9 56.7#



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: 68.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008126.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW306D-20190311

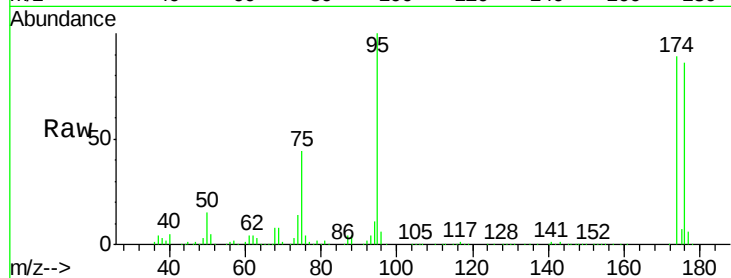
Tot Ion: 75 Resp: 75412

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 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

