

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091518\
 Data File : VX004611.D
 Acq On : 16 Sep 2018 03:59
 Operator : JC/MD
 Sample : J4913-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30212-20180912

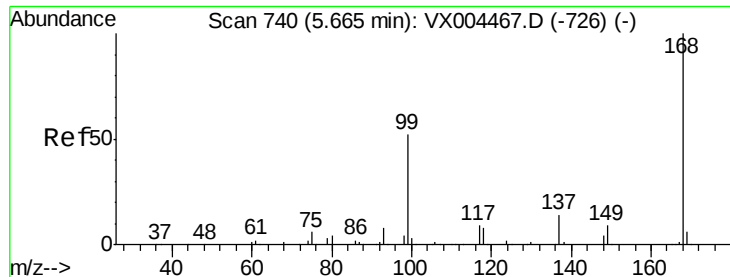
Quant Time: Sep 17 08:46:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	272341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199632	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	165026	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	5.49	113	152281	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.72	98	479975	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.14	95	165030	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	780	Below Cal		92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1838	0.61 ug/l		95
10) Methyl Iodide	2.51	142	285	4.33 ug/l #		85
11) Tert butyl alcohol	3.02	59	669	0.80 ug/l #		72
12) 1,1-Dichloroethene	2.37	96	942	0.33 ug/l #		78
13) Acrolein	2.29	56	138	0.42 ug/l #		65
14) Allyl chloride	2.61	41	7226	1.24 ug/l #		64
16) Acetone	2.44	43	2681	1.56 ug/l		91
18) Methyl Acetate	2.61	43	18036	3.75 ug/l #		51
25) 2-Butanone	4.75	43	978	0.36 ug/l		100
31) Cyclohexane	5.67	56	4454	0.88 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	17631	4.30 ug/l #		48
37) Ethyl Acetate	4.75	43	978	0.21 ug/l #		49
38) Carbon Tetrachloride	5.67	117	21827	5.46 ug/l #		14
44) Trichloroethene	7.21	130	20127	6.37 ug/l		99
49) 1,4-Dioxane	7.76	88	82	1.13 ug/l #		70
51) 4-Methyl-2-Pentanone	8.71	43	1821	0.42 ug/l #		1
60) Dibromochloromethane	9.34	129	1201	0.41 ug/l #		11
64) Tetrachloroethene	9.34	164	1361	0.34 ug/l		84
76) 1,2,3-Trichloropropane	11.14	75	77466	19.29 ug/l #		37
81) trans-1,4-Dichloro-2-buten	11.14	75	77466	61.48 ug/l #		10
95) Naphthalene	13.83	128	2801	0.21 ug/l		98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

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ClientSampleId :

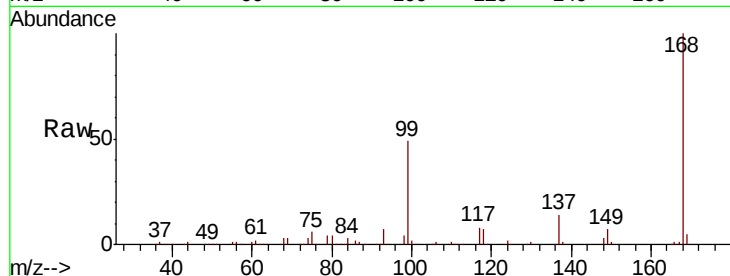
BPS1-TT-MW30212-20180912

Tot Ion:168 Resp: 272341

Ion Ratio Lower Upper

168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

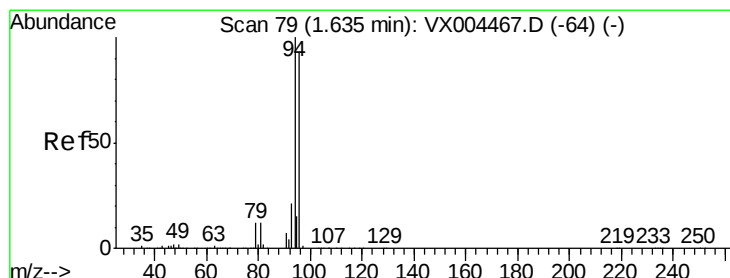
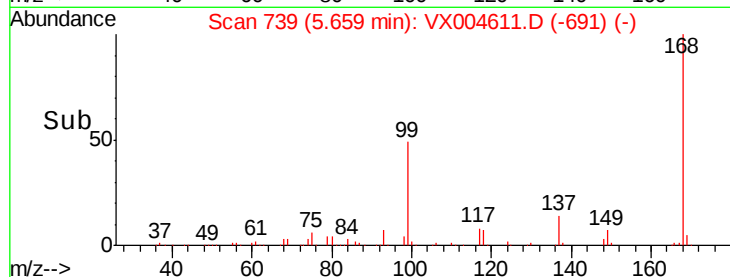
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004611.D

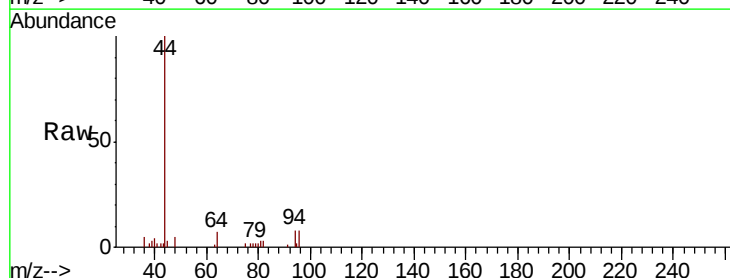
Acq: 16 Sep 2018 03:59

Tgt Ion: 94 Resp: 780

Ion Ratio Lower Upper

94 100

96 100.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

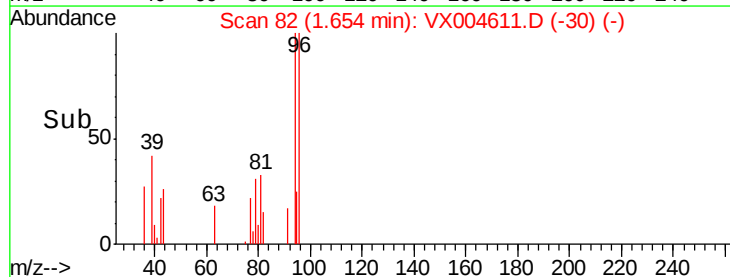
300

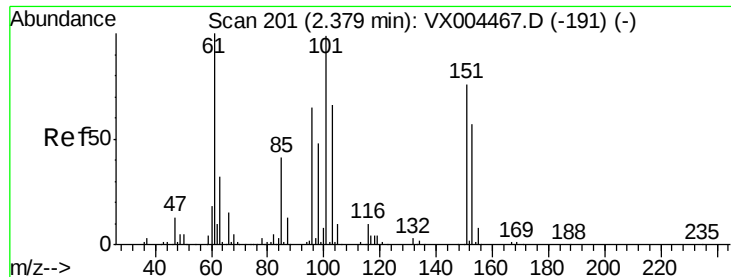
200

100

0

Time--> 1.60 1.65 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.61 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20180912

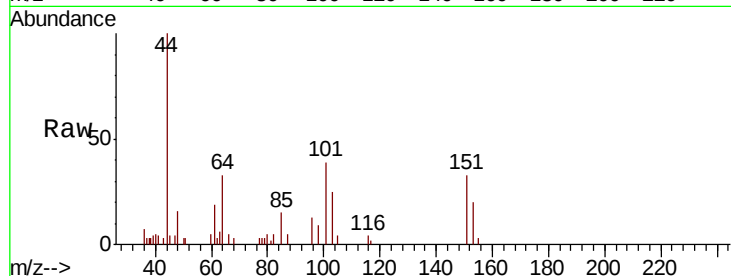
Tot Ion:101 Resp: 1838

Ion Ratio Lower Upper

101 100

85 35.4 34.2 51.4

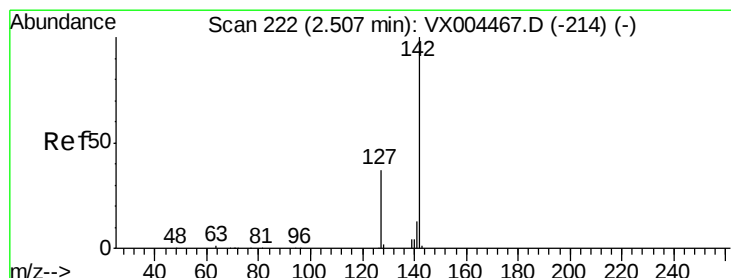
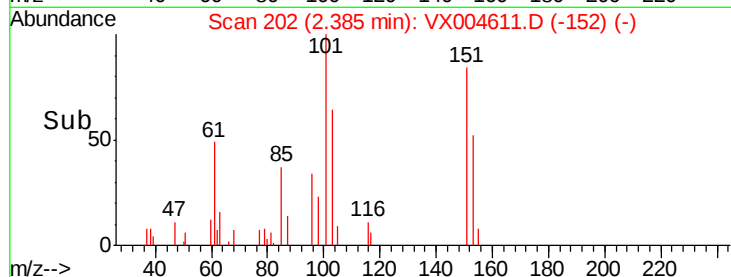
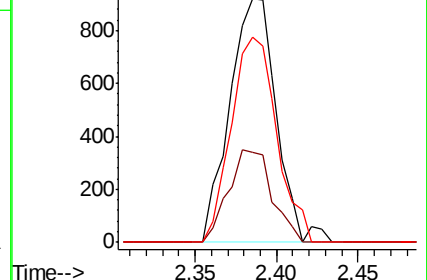
151 82.2 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.33 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

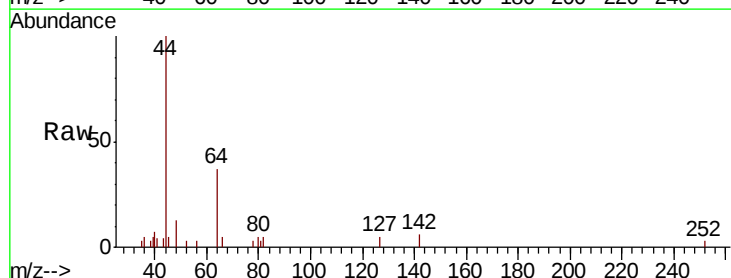
Tgt Ion:142 Resp: 285

Ion Ratio Lower Upper

142 100

127 36.5 33.8 50.6

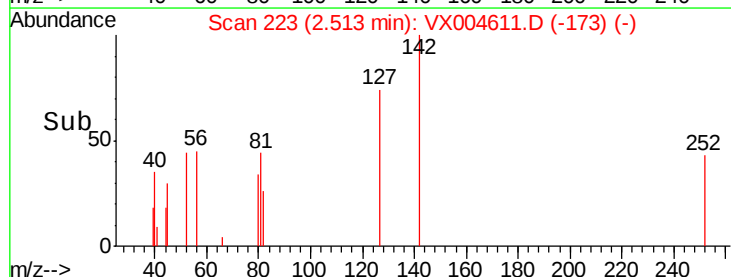
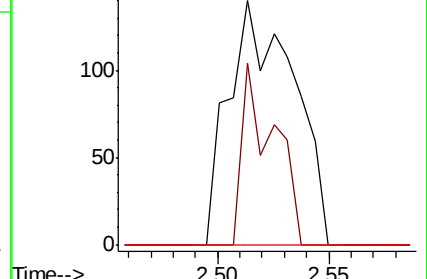
141 0.0 11.4 17.0#

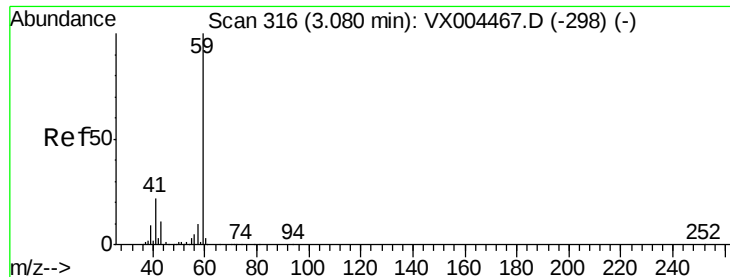


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



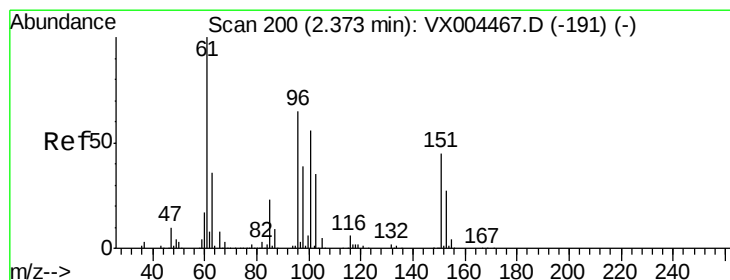
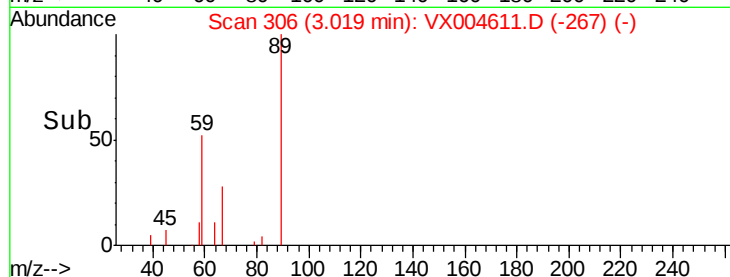
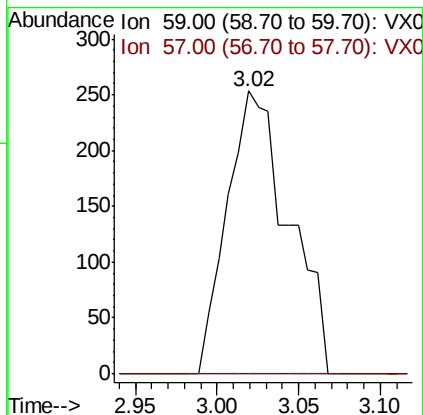
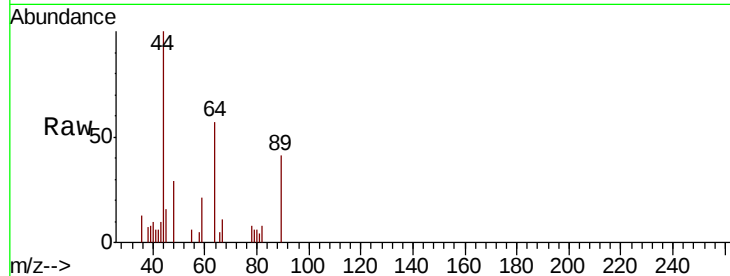


#11

Tert butvl alcohol
Concen: 0.80 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20180912

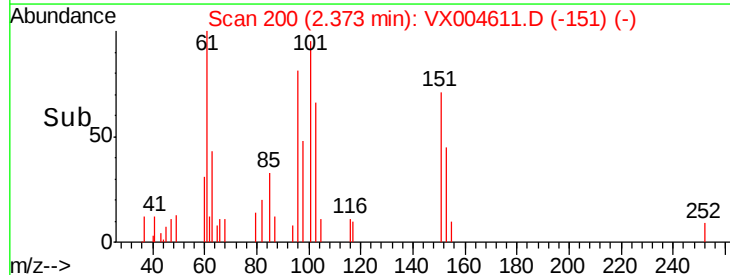
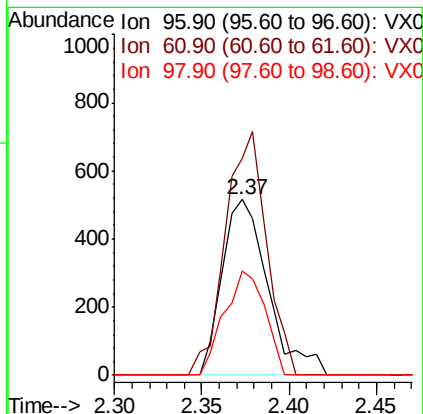
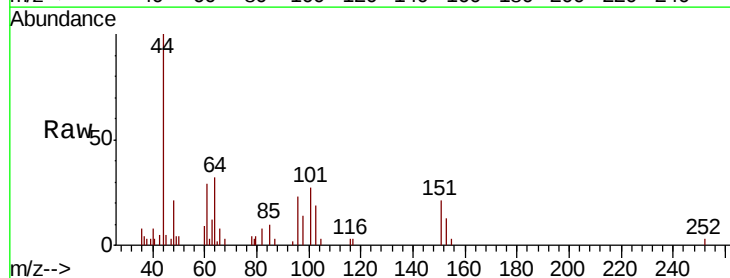
Tot Ion: 59 Resp: 669
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

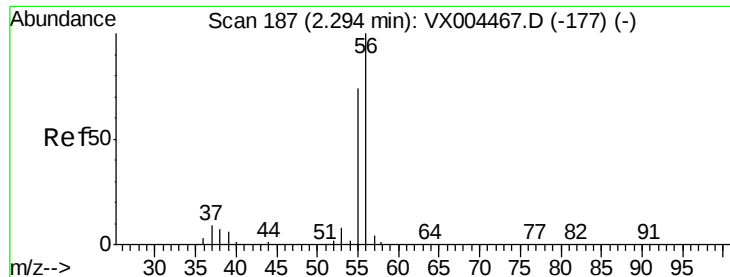


#12

1,1-Dichloroethene
Concen: 0.33 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Tgt Ion: 96 Resp: 942
Ion Ratio Lower Upper
96 100
61 123.7 128.8 193.2#
98 59.2 52.2 78.2

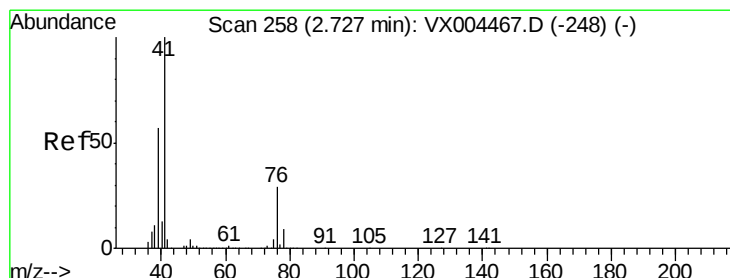
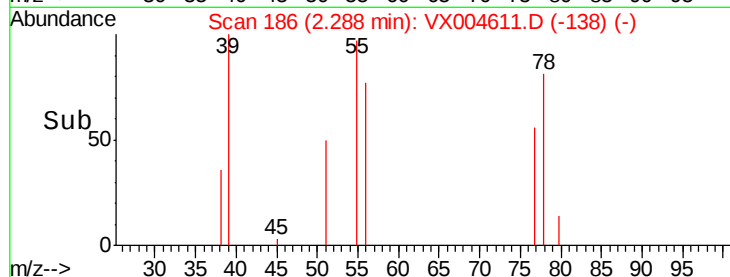
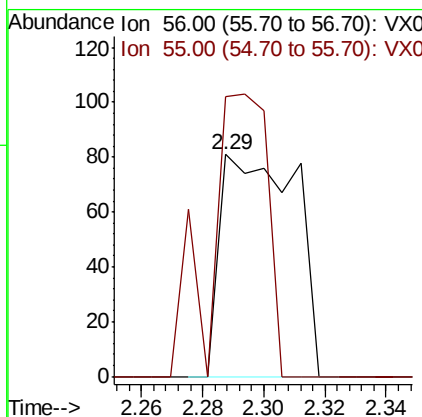
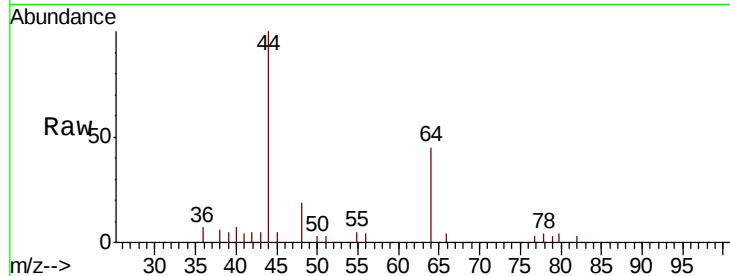




#13
Acrolein
Concen: 0.42 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

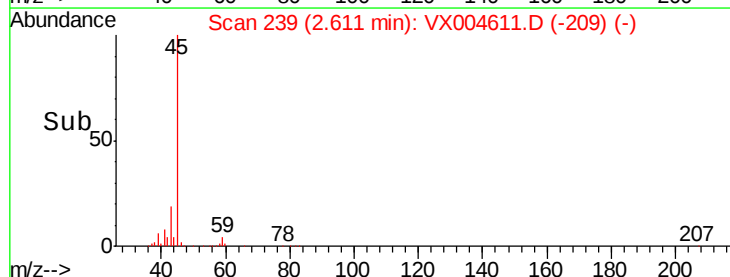
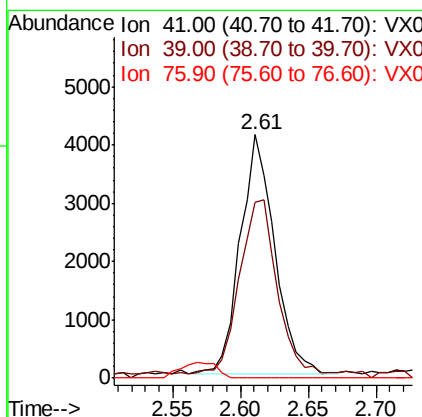
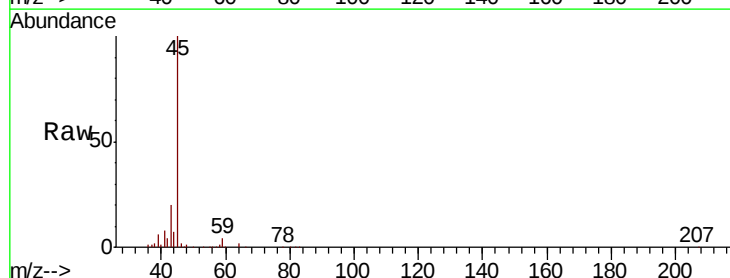
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20180912

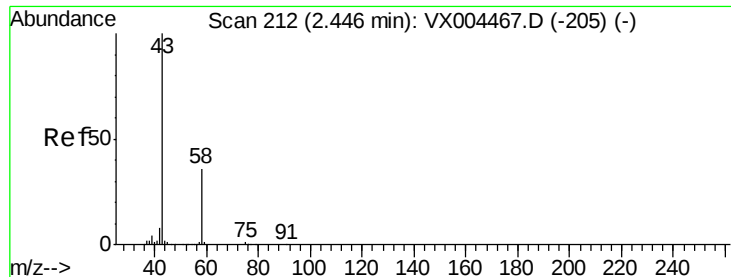
Tot Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 96.4 54.7 82.1#



#14
Allyl chloride
Concen: 1.24 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.12 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Tgt Ion: 41 Resp: 7226
Ion Ratio Lower Upper
41 100
39 79.4 48.9 73.3#
76 0.0 26.7 40.1#

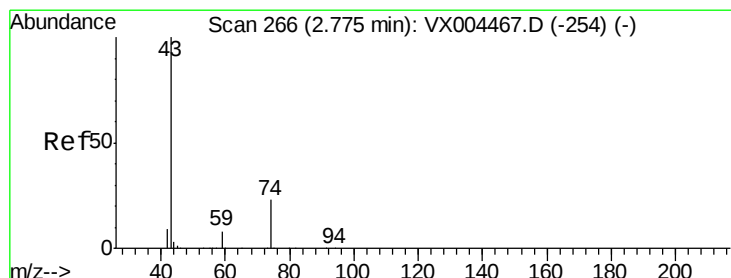
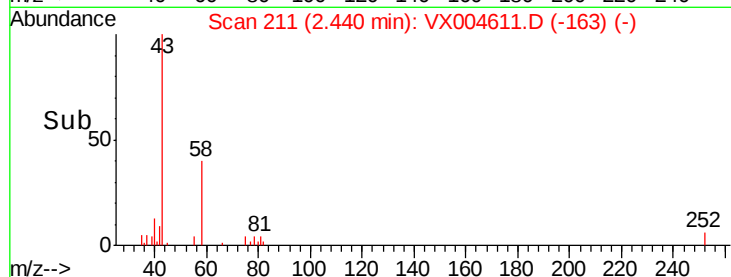
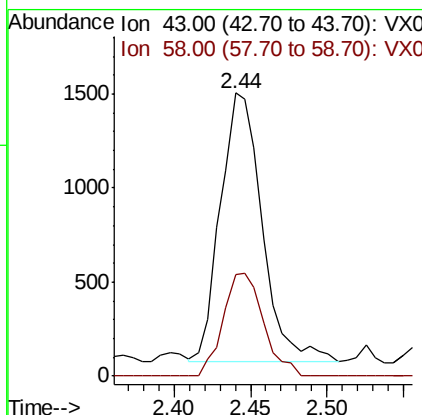
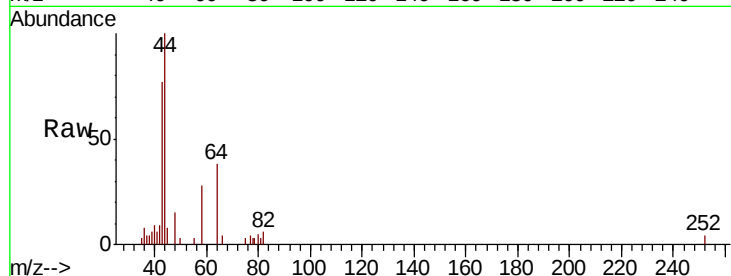




#16
Acetone
Concen: 1.56 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

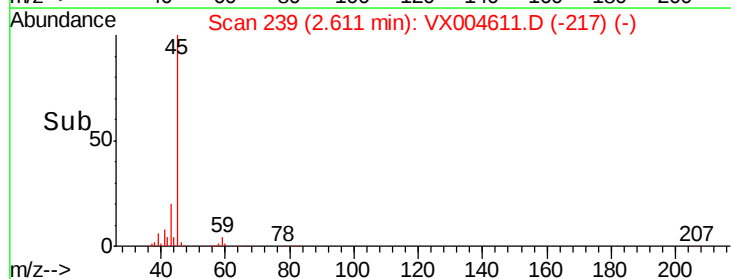
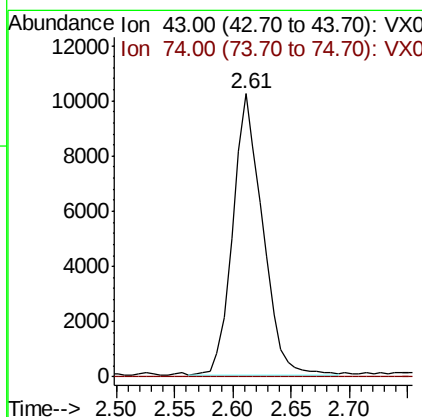
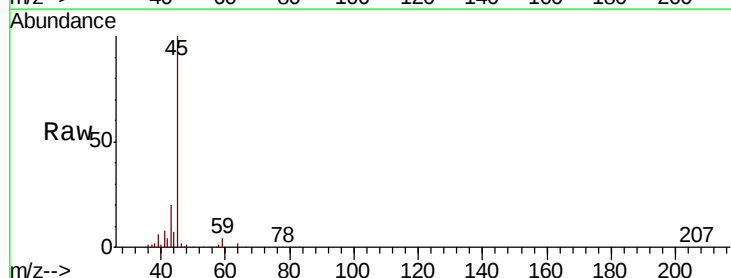
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20180912

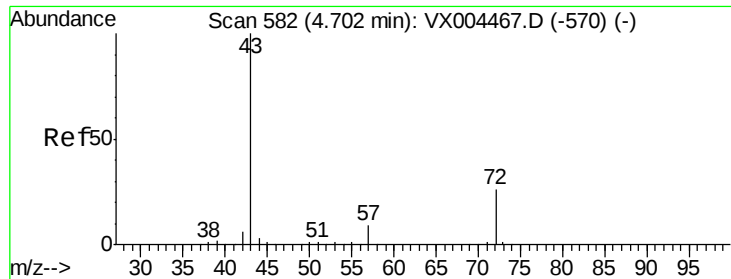
Tot Ion: 43 Resp: 2681
Ion Ratio Lower Upper
43 100
58 38.1 26.2 39.4



#18
Methyl Acetate
Concen: 3.75 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.16 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Tgt Ion: 43 Resp: 18036
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#25

2-Butanone

Concen: 0.36 ug/l

RT: 4.75 min Scan# 590

Delta R.T. 0.05 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

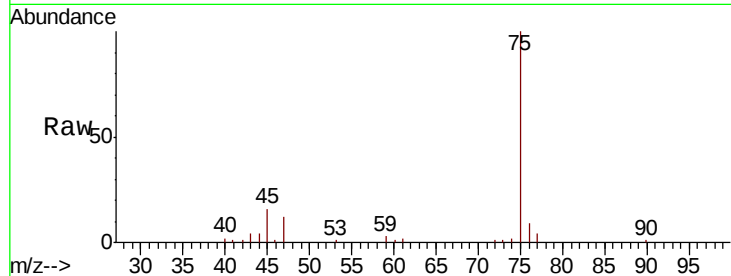
BPS1-TT-MW30212-20180912

Tot Ion: 43 Resp: 978

Ion Ratio Lower Upper

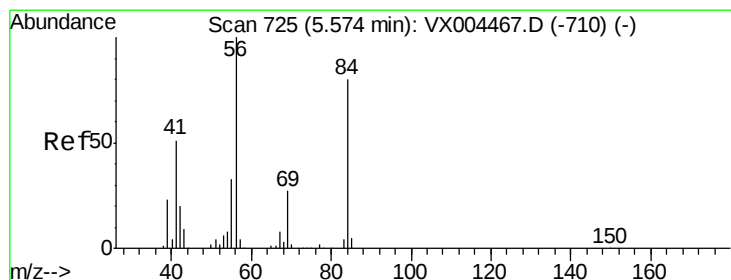
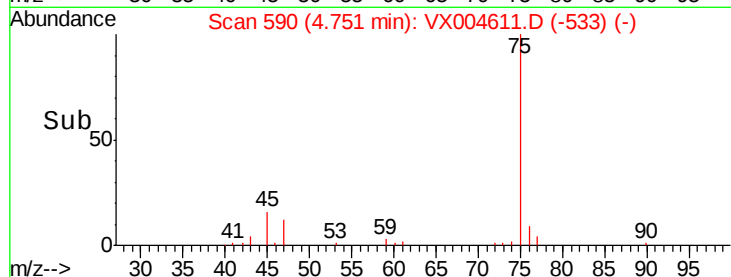
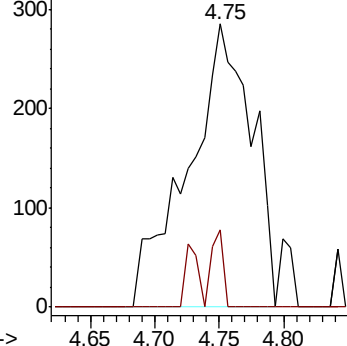
43 100

72 27.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

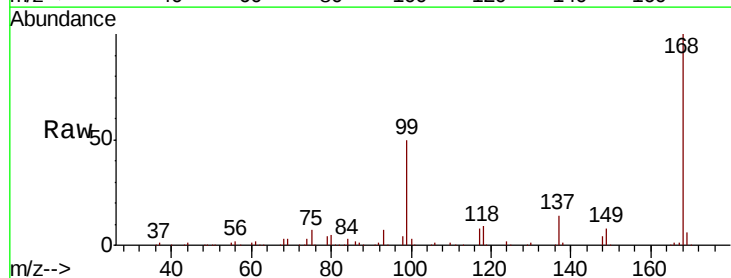
Tgt Ion: 56 Resp: 4454

Ion Ratio Lower Upper

56 100

69 173.2 25.4 38.2#

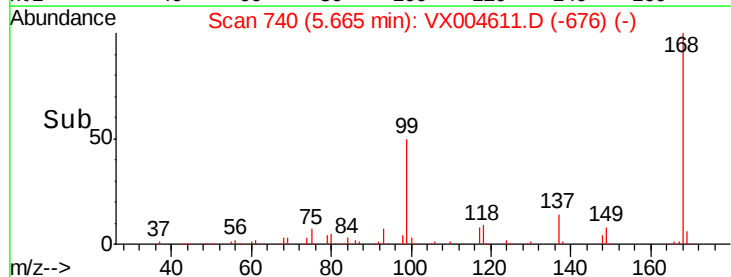
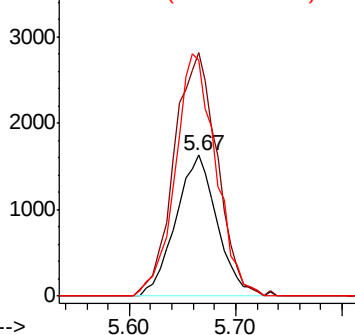
84 167.8 71.4 107.2#

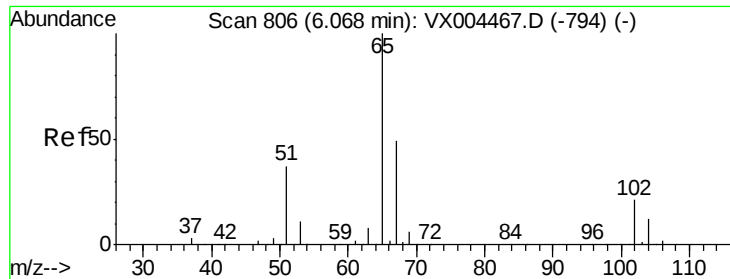


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.99 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

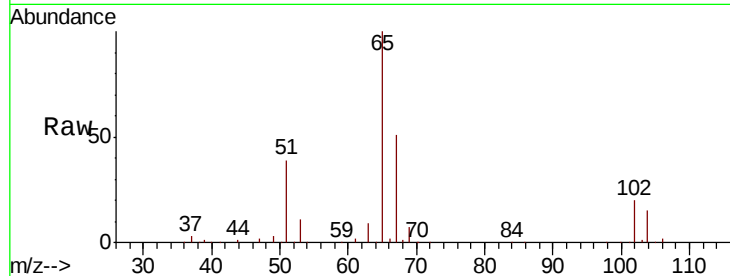
BPS1-TT-MW30212-20180912

Tot Ion: 65 Resp: 165026

Ion Ratio Lower Upper

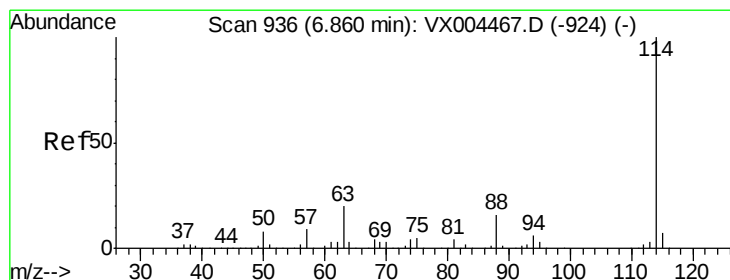
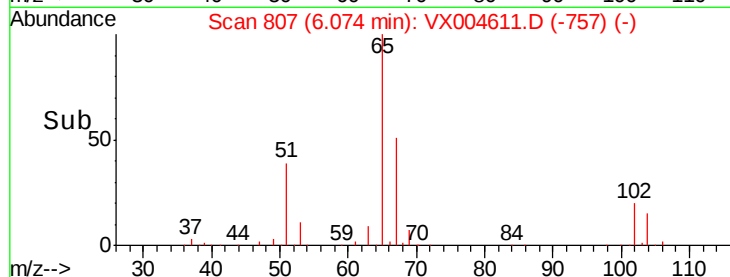
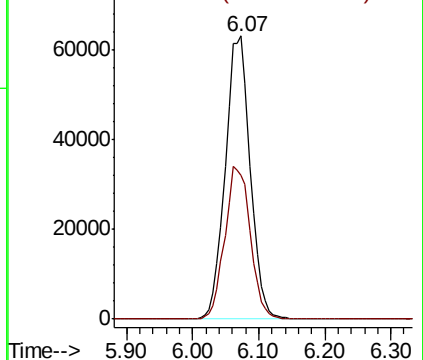
65 100

67 55.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

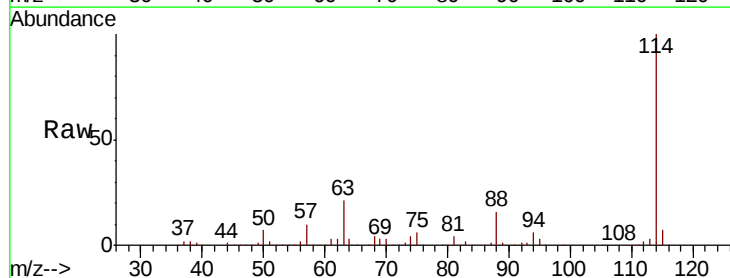
Tgt Ion: 114 Resp: 337396

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

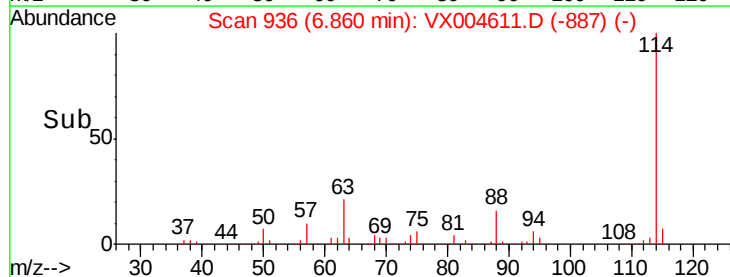
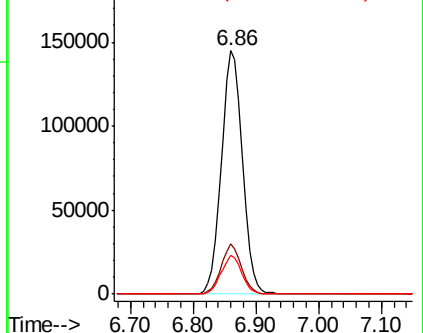
88 15.8 0.0 30.4

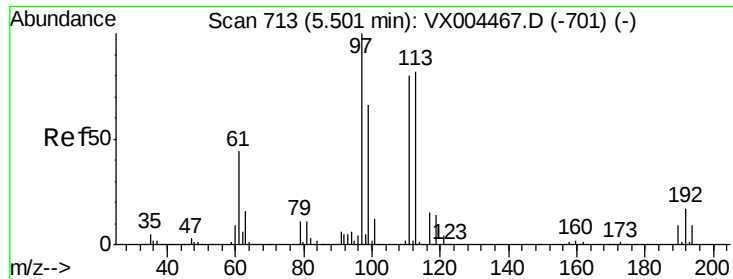


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

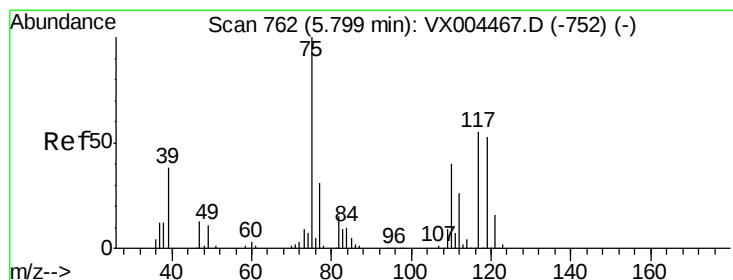
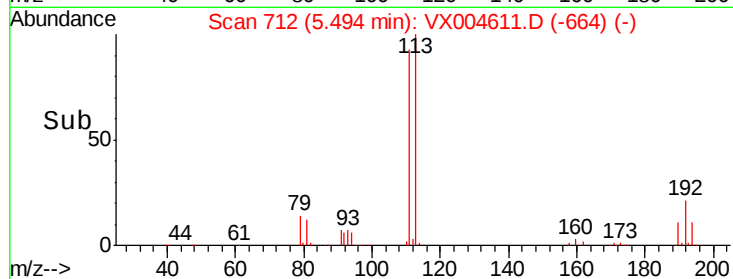
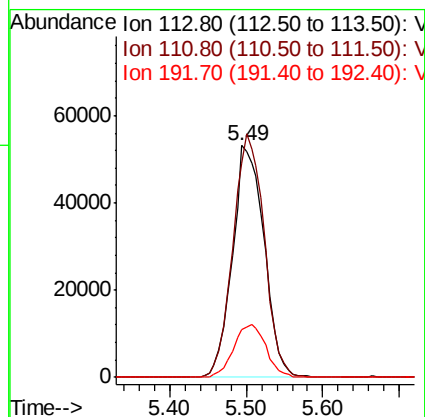
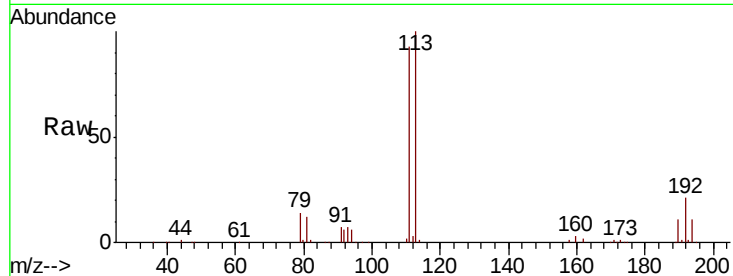




#35
 Dibromofluoromethane
 Concen: 49.32 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004611.D
 Acq: 16 Sep 2018 03:59

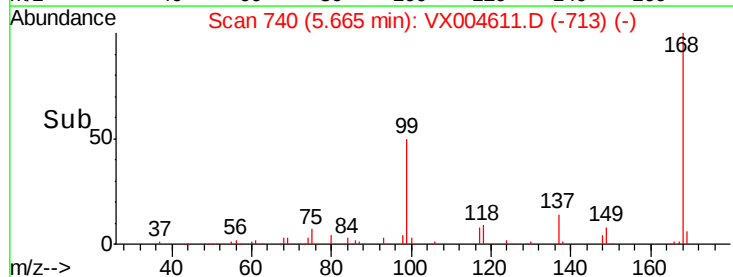
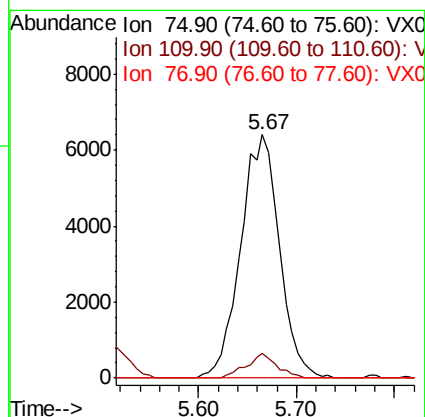
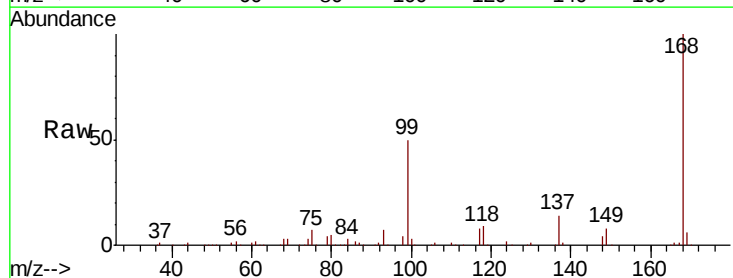
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30212-20180912

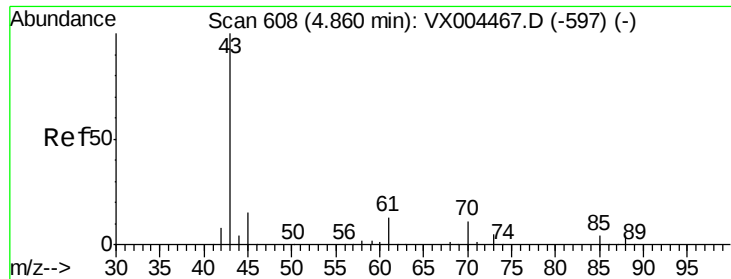
Tot Ion:113 Resp: 152281
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 23.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.30 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004611.D
 Acq: 16 Sep 2018 03:59

Tgt Ion: 75 Resp: 17631
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.0 54.0#
 77 0.0 24.6 36.8#

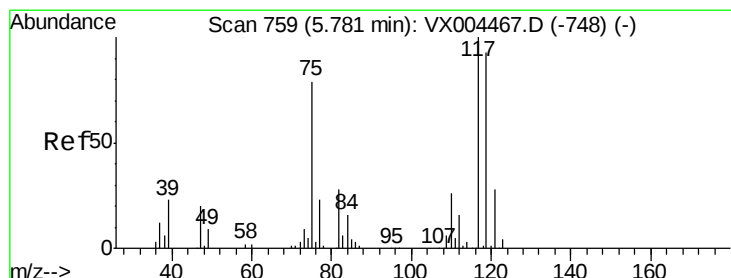
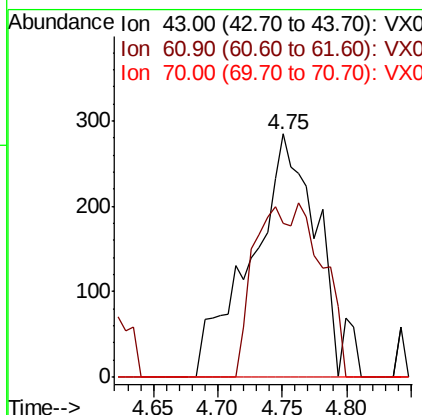
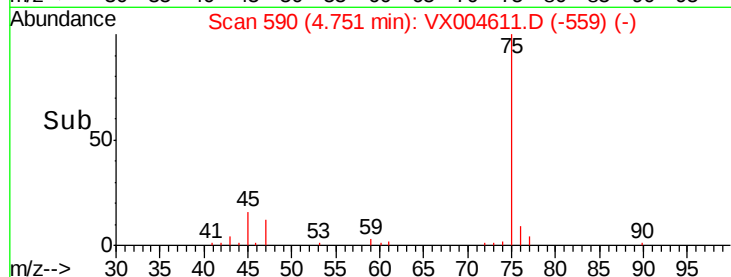
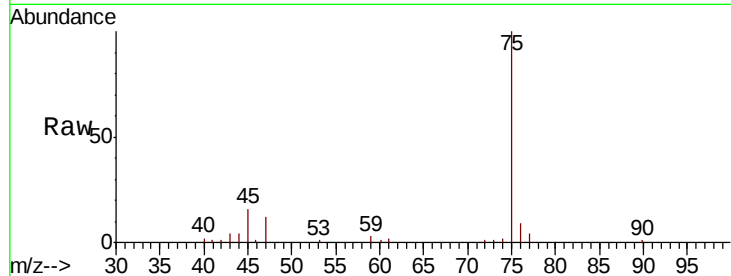




#37
Ethyl Acetate
Concen: 0.21 ug/l
RT: 4.75 min Scan# 590
Delta R.T. -0.11 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

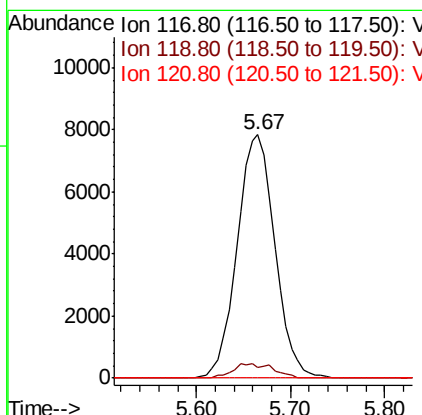
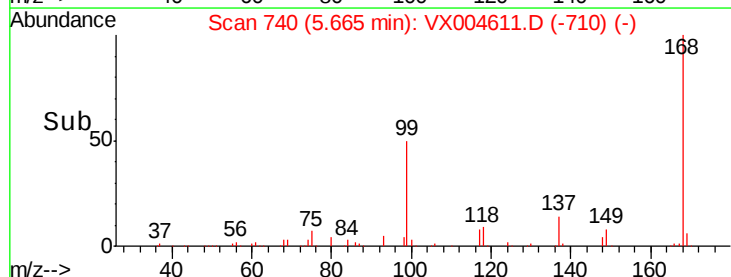
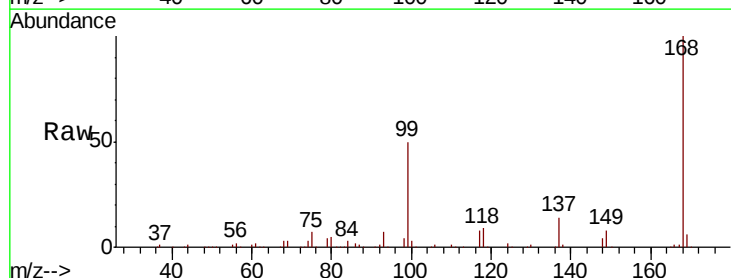
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20180912

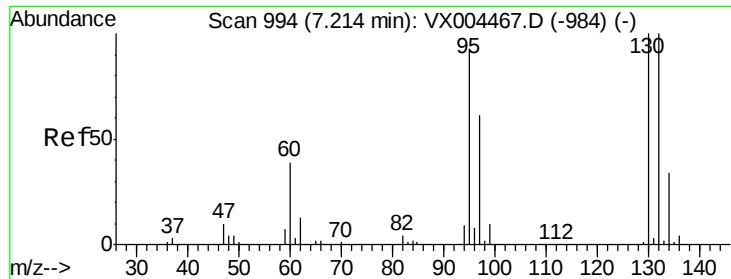
Tot Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
61 41.9 11.5 17.3#
70 0.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 5.46 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Tgt Ion: 117 Resp: 21827
Ion Ratio Lower Upper
117 100
119 4.4 78.8 118.2#
121 0.0 24.9 37.3#





#44

Trichloroethene

Concen: 6.37 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

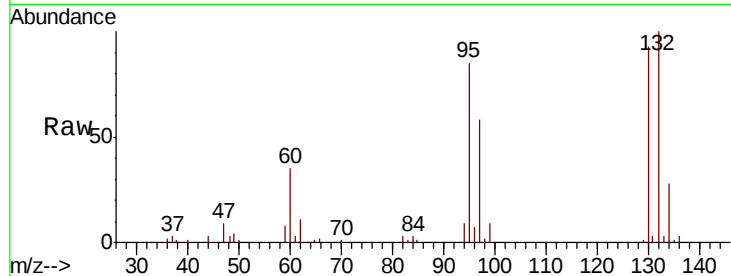
BPS1-TT-MW30212-20180912

Tot Ion:130 Resp: 20127

Ion Ratio Lower Upper

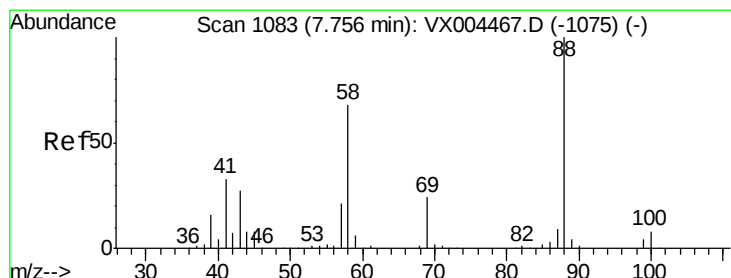
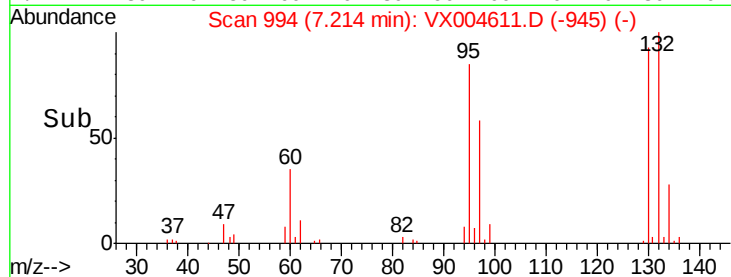
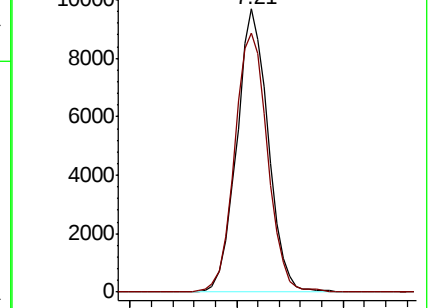
130 100

95 91.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.13 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

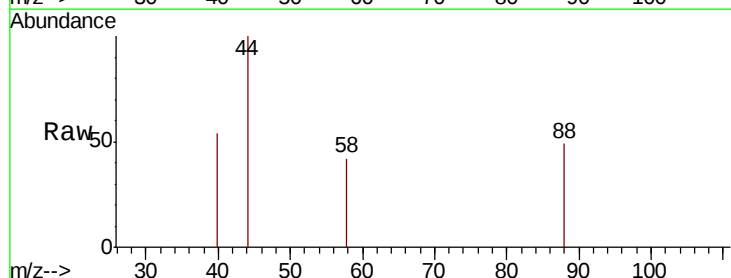
Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

43 52.4 24.7 37.1#

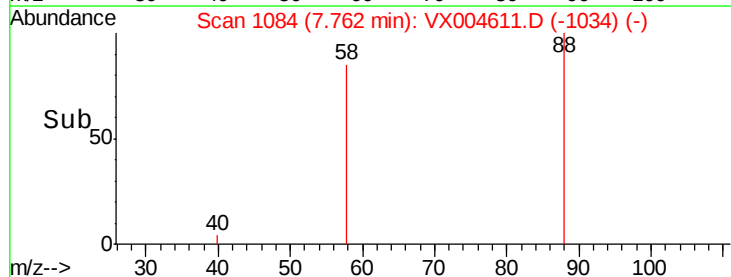
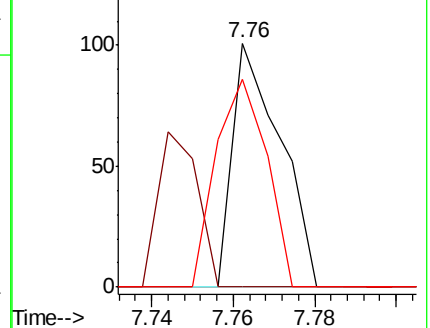
58 90.2 55.3 82.9#

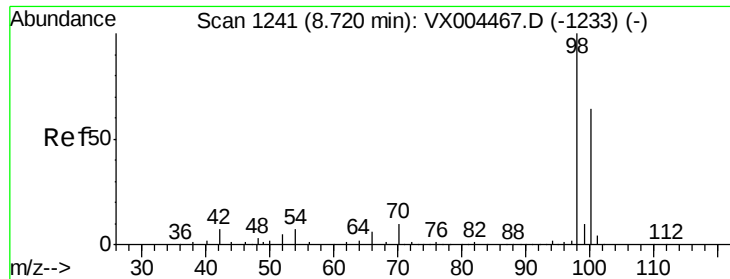


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

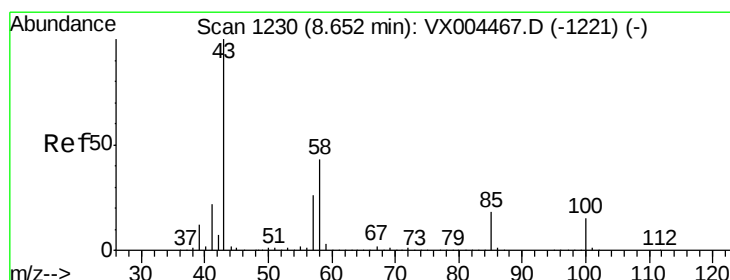
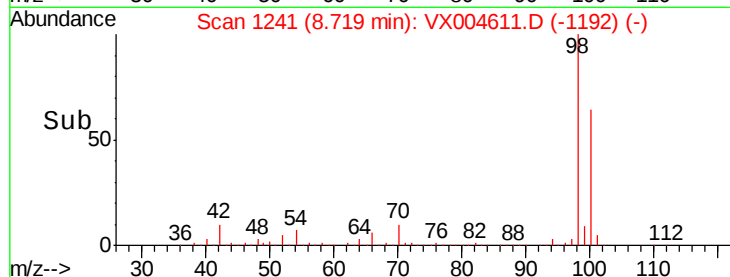
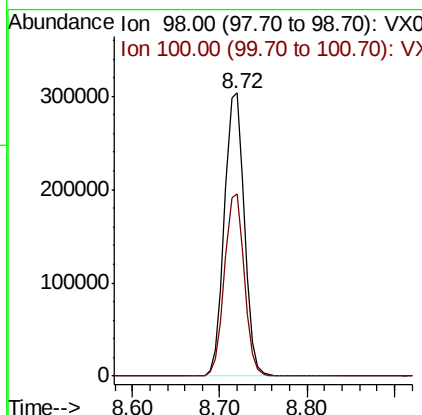
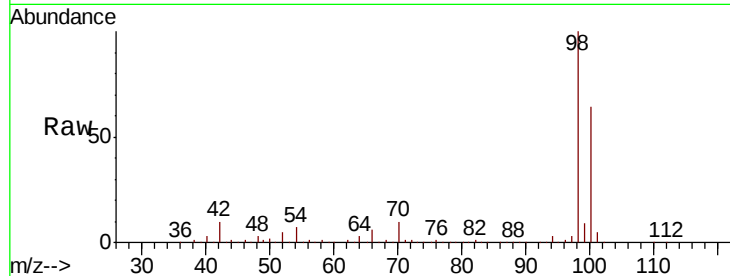




#50
Toluene-d8
Concen: 46.36 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

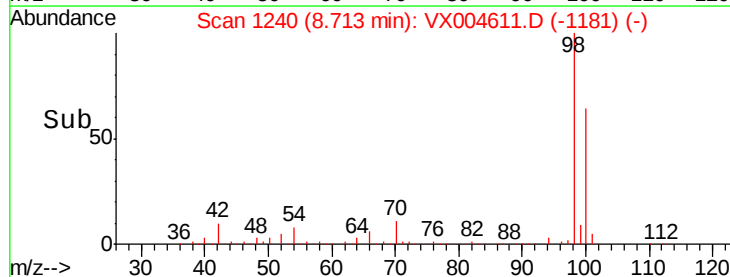
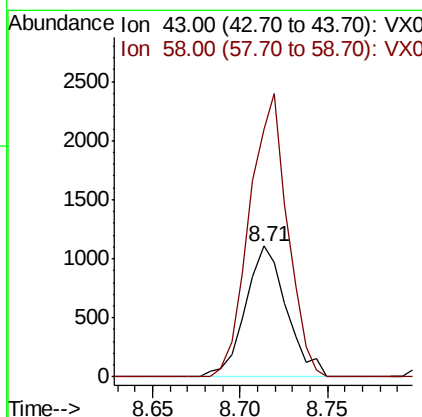
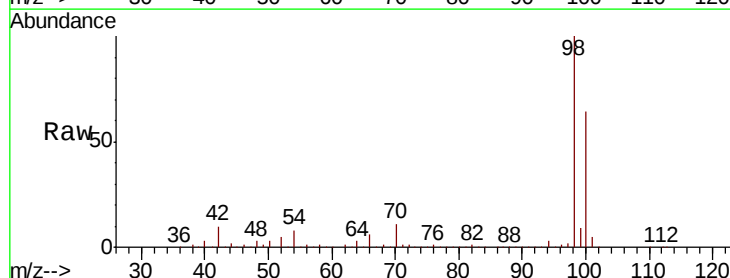
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20180912

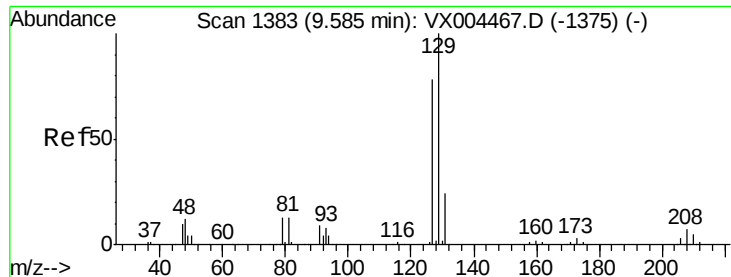
Tot Ion: 98 Resp: 479975
Ion Ratio Lower Upper
98 100
100 63.9 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.06 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Tgt Ion: 43 Resp: 1821
Ion Ratio Lower Upper
43 100
58 199.3 33.1 49.7#

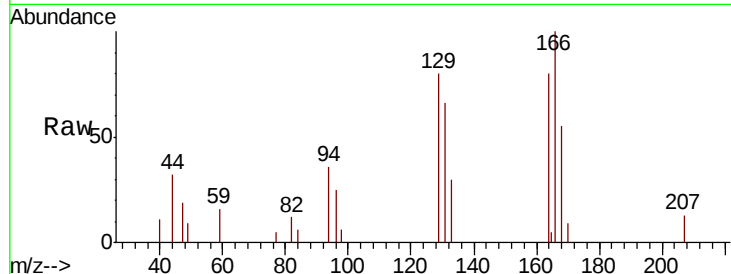




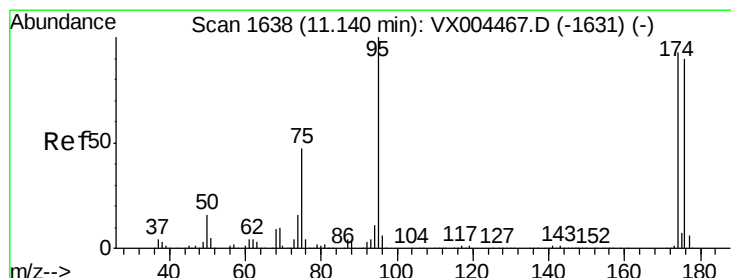
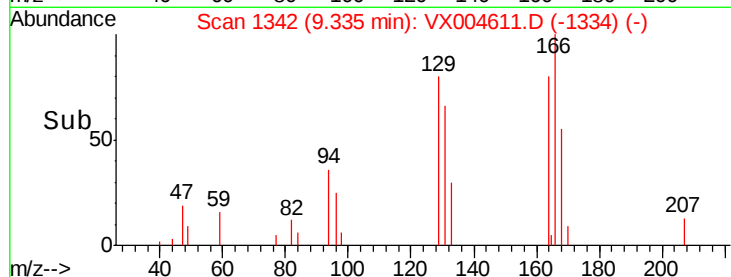
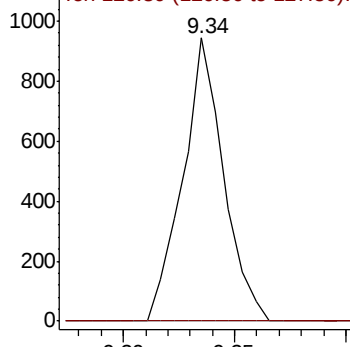
#60
 Dibromochloromethane
 Concen: 0.41 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.25 min
 Lab File: VX004611.D
 Acq: 16 Sep 2018 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30212-20180912

Tot Ion:129 Resp: 1201
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#

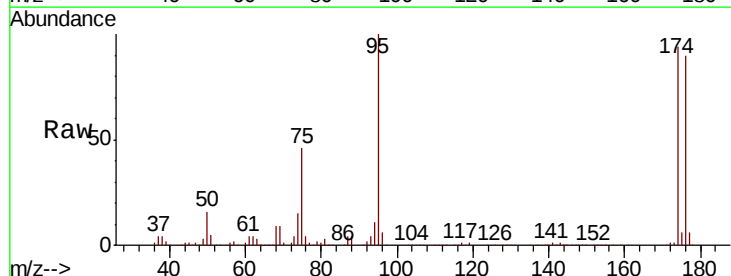


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

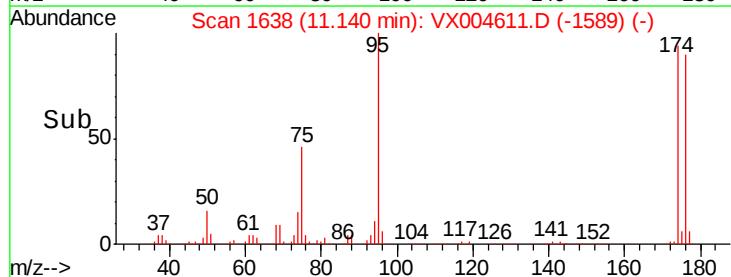
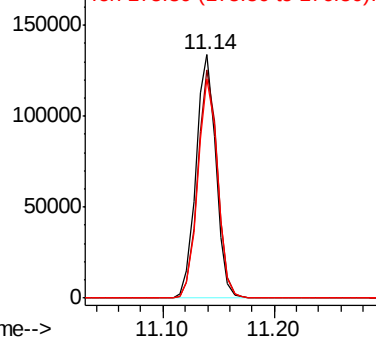


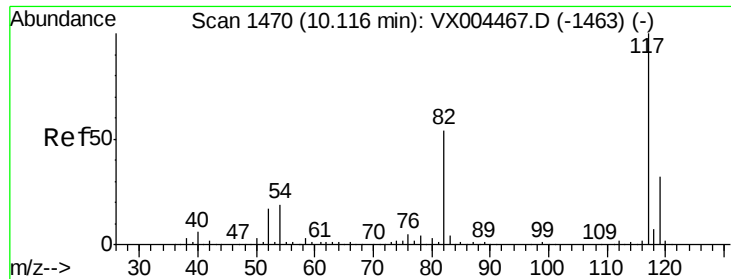
#62
 4-Bromofluorobenzene
 Concen: 44.65 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004611.D
 Acq: 16 Sep 2018 03:59

Tgt Ion: 95 Resp: 165030
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 185.2
 176 90.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

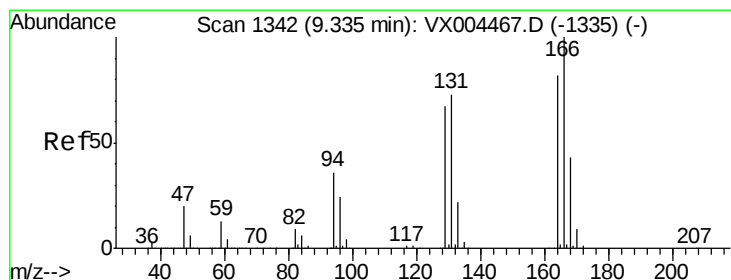
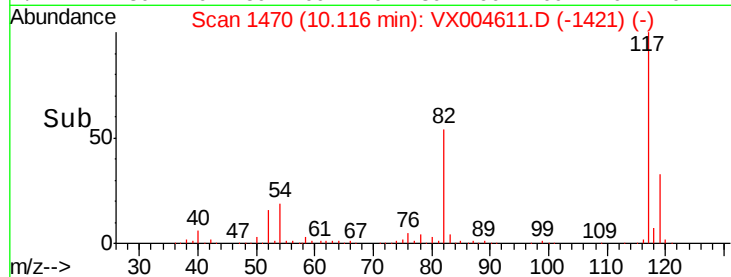
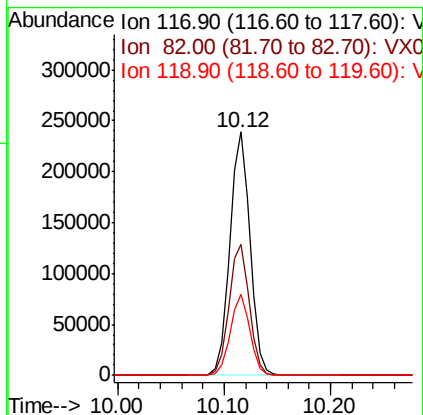
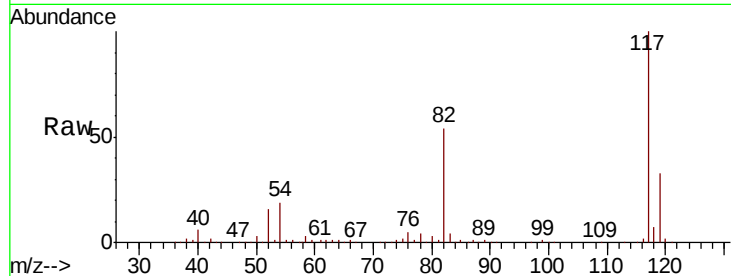




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

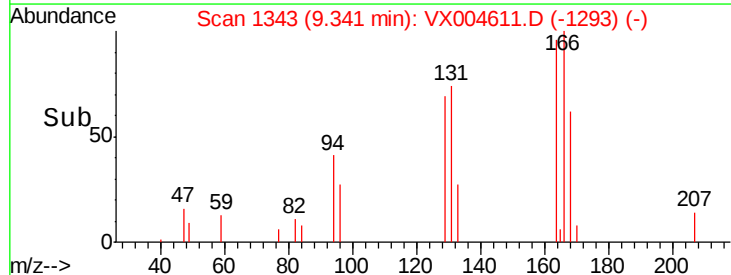
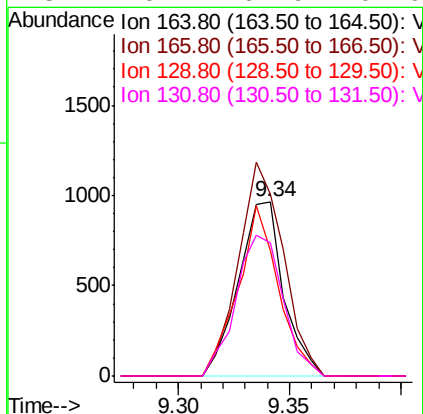
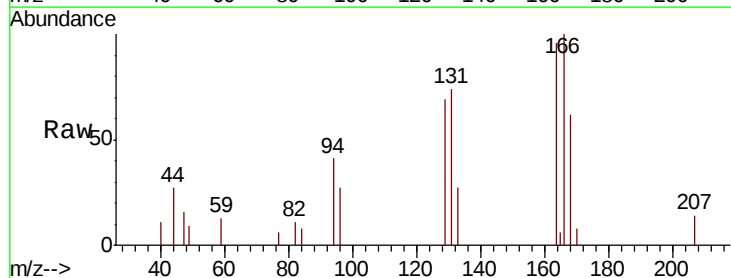
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20180912

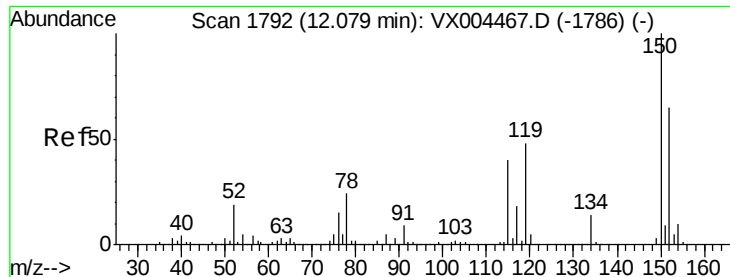
Tot Ion:117 Resp: 317422
Ion Ratio Lower Upper
117 100
82 53.6 47.8 71.6
119 33.5 29.3 43.9



#64
Tetrachloroethene
Concen: 0.34 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Tgt Ion:164 Resp: 1361
Ion Ratio Lower Upper
164 100
166 103.9 102.8 154.2
129 71.9 69.4 104.0
131 76.4 67.9 101.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004611.D

Acq: 16 Sep 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20180912

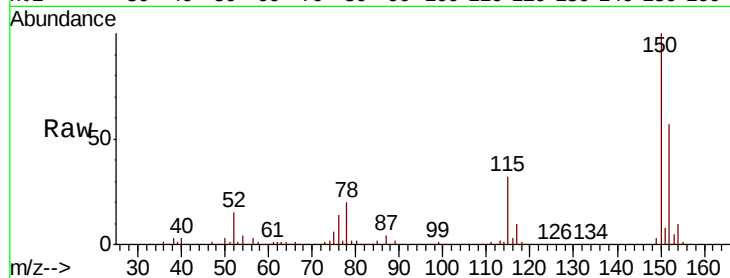
Tot Ion:152 Resp: 199632

Ion Ratio Lower Upper

152 100

115 56.4 39.0 117.0

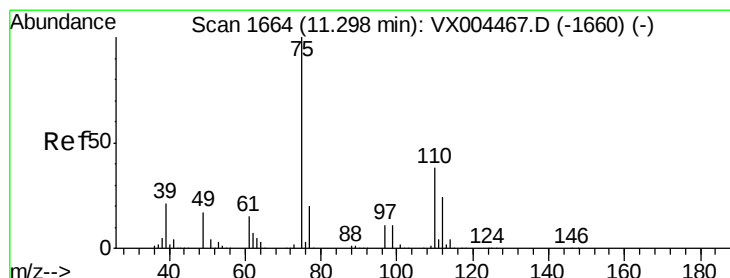
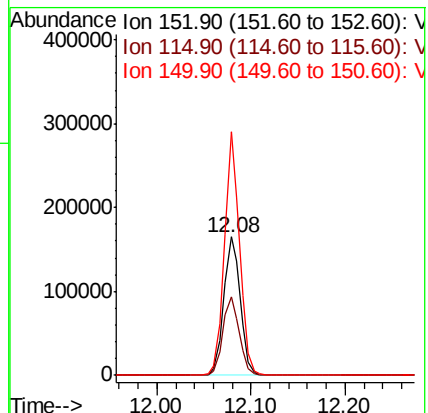
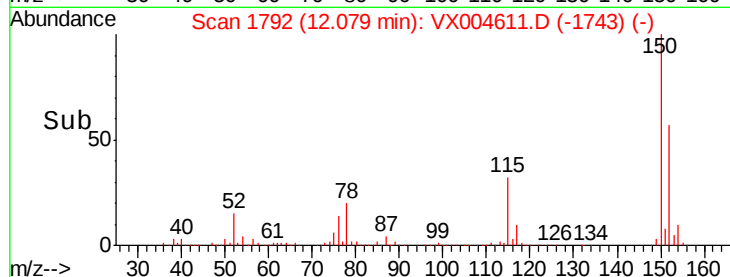
150 160.4 0.0 351.0



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: 19.29 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004611.D

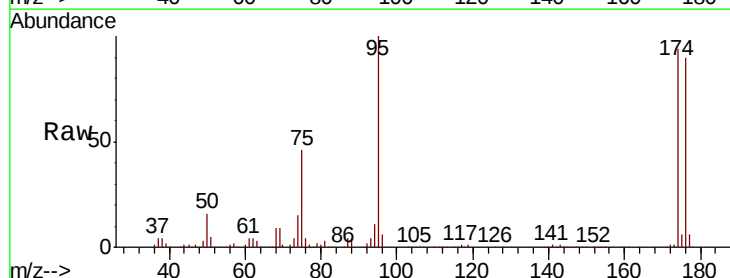
Acq: 16 Sep 2018 03:59

Tgt Ion: 75 Resp: 77466

Ion Ratio Lower Upper

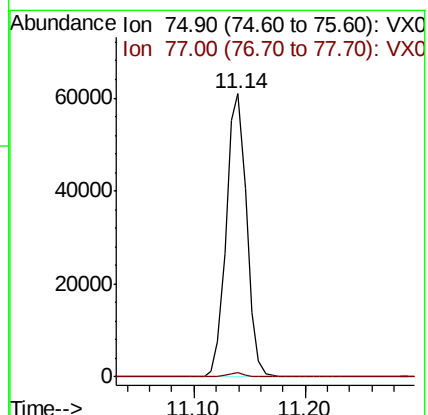
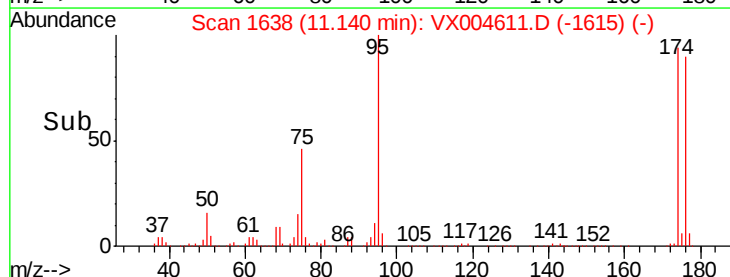
75 100

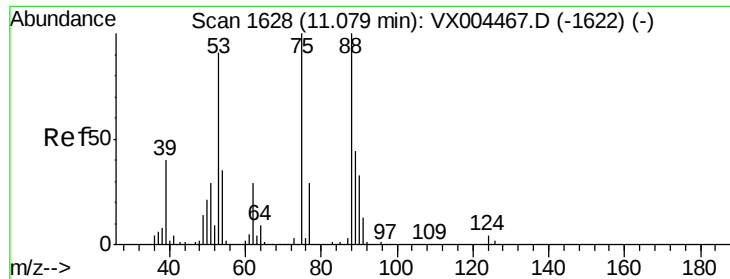
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

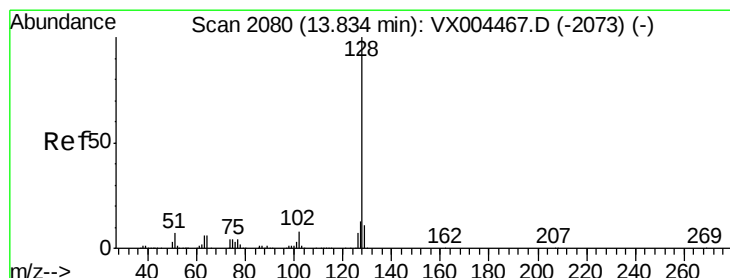
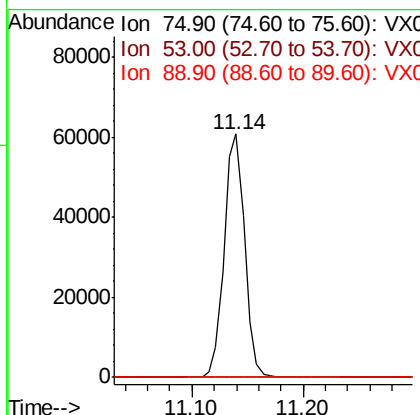
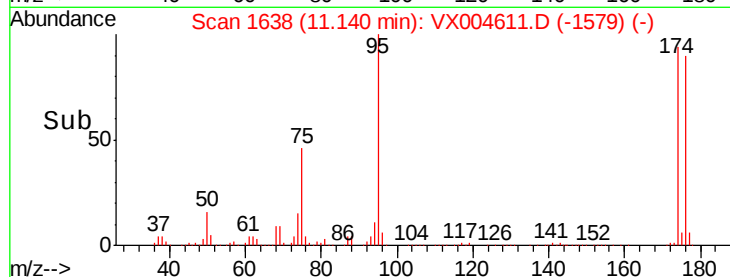
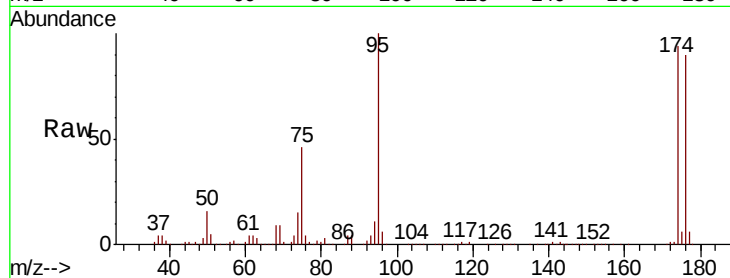




#81
trans-1,4-Dichloro-2-butene
Concen: 61.48 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20180912

Tot Ion: 75 Resp: 77466
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.21 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004611.D
Acq: 16 Sep 2018 03:59

Tgt Ion: 128 Resp: 2801
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.2
129 10.6 8.6 12.8

