

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006375.D
 Acq On : 10 Dec 2018 17:32
 Operator : JC/MD
 Sample : J6288-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30212-20181205

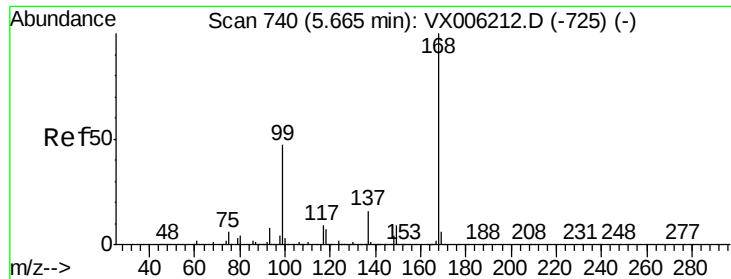
Quant Time: Dec 11 03:58:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	768385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1174241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1057367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	510309	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	380828	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.50	113	366131	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.71	98	1360014	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.13	95	501223	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1217	0.211	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3562	0.490	ug/l	91
11) Tert butyl alcohol	3.06	59	3019	1.407	ug/l #	86
12) 1,1-Dichloroethene	2.38	96	1984	0.285	ug/l #	65
13) Acrolein	2.30	56	529	0.451	ug/l #	13
16) Acetone	2.45	43	990	0.269	ug/l #	77
24) 1,1-Dichloroethane	3.70	63	2934	0.239	ug/l #	84
36) 1,1-Dichloropropene	5.67	75	46540	4.707	ug/l #	50
38) Carbon Tetrachloride	5.66	117	68067	5.851	ug/l #	16
44) Trichloroethene	7.21	130	24722	2.755	ug/l	93
49) 1,4-Dioxane	7.77	88	965	4.359	ug/l #	68
64) Tetrachloroethene	9.33	164	2892	0.363	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	226292	22.974	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	226292	53.914	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

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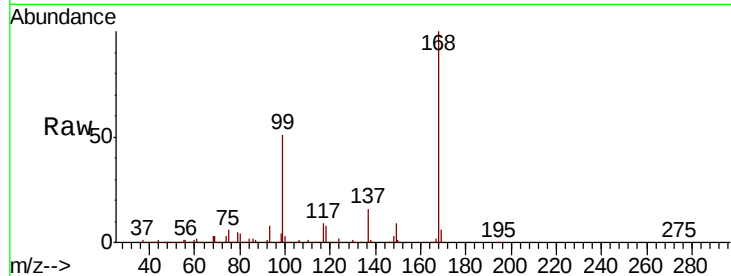
BPS1-TT-MW30212-20181205

Tot Ion:168 Resp: 768385

Ion Ratio Lower Upper

168 100

99 50.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

300000

250000

200000

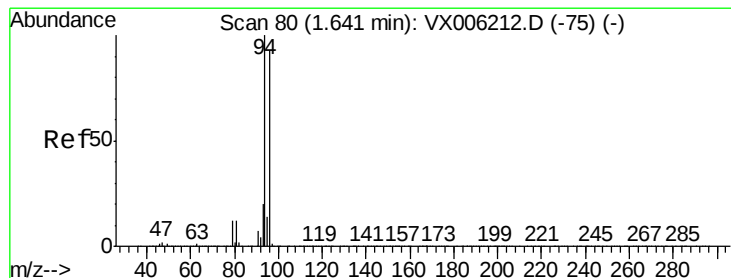
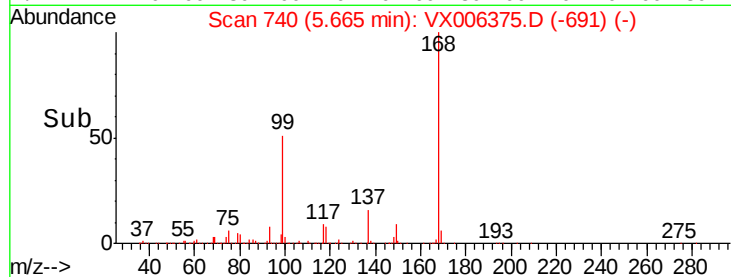
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.211 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006375.D

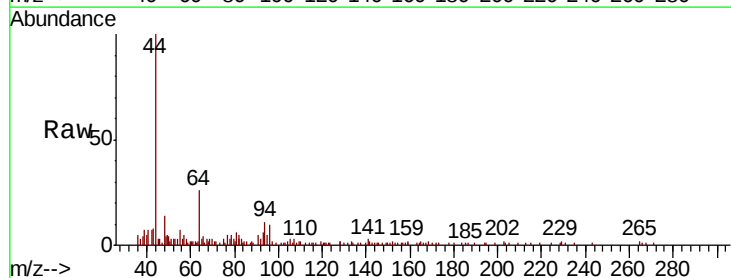
Acq: 10 Dec 2018 17:32

Tgt Ion: 94 Resp: 1217

Ion Ratio Lower Upper

94 100

96 82.6 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

800

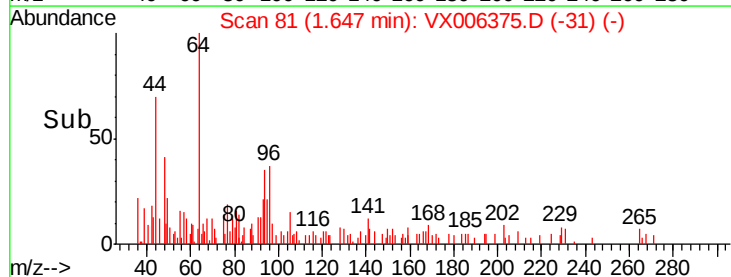
600

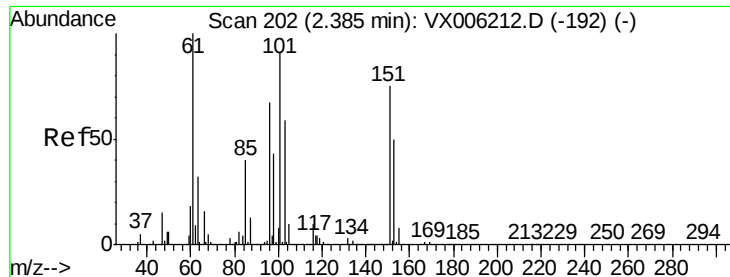
400

200

0

Time--> 1.60 1.65





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.490 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

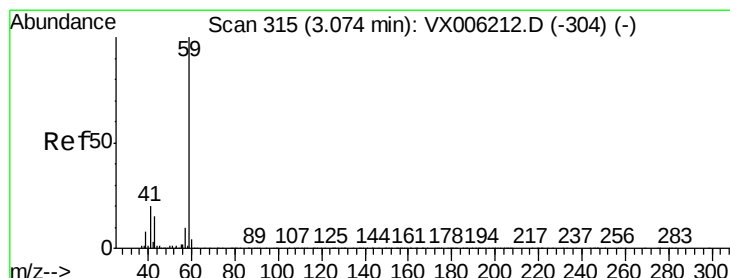
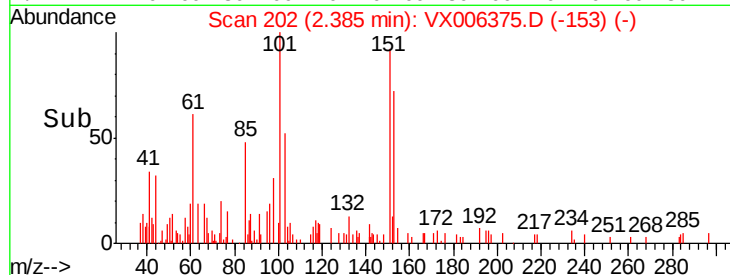
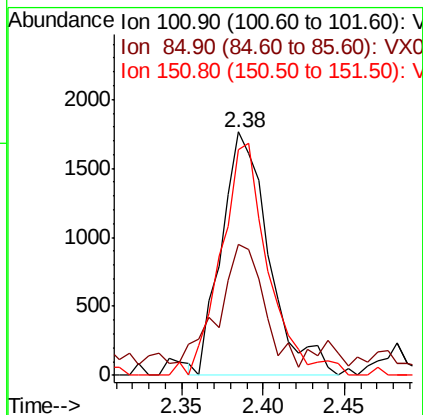
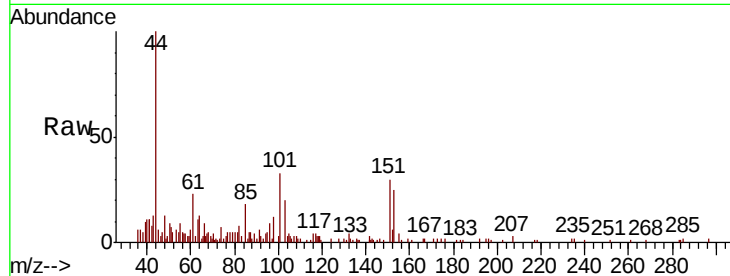
Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20181205

Tot Ion:	101	Resp:	3562
Ion	Ratio	Lower	Upper
101	100		
85	47.8	35.5	53.3
151	95.1	68.6	103.0



#11

Tert butyl alcohol

Concen: 1.407 ug/l

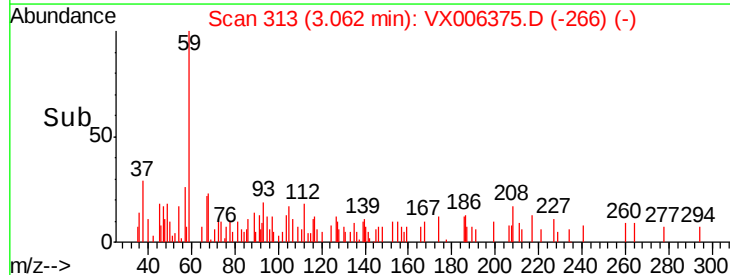
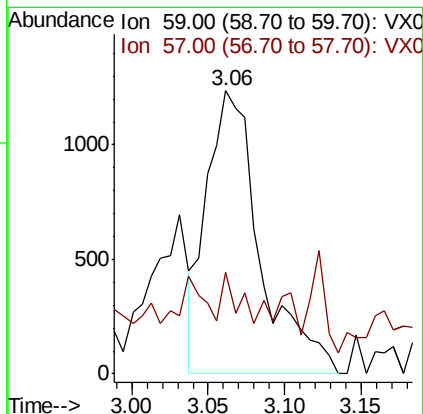
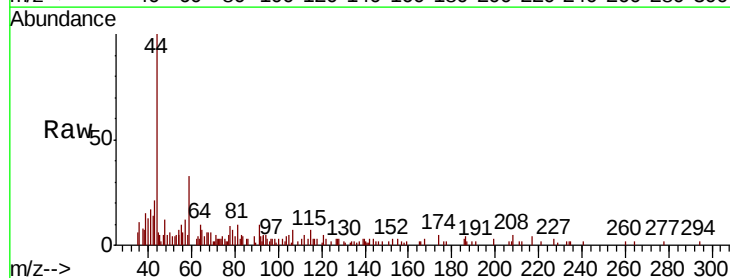
RT: 3.06 min Scan# 313

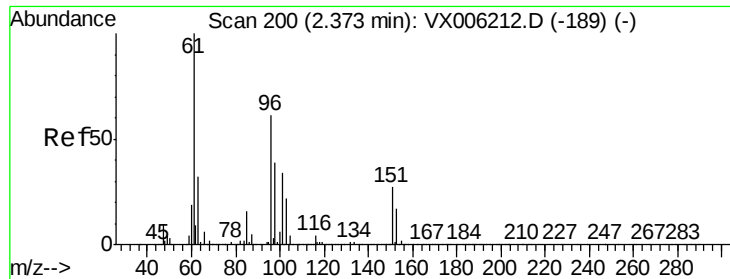
Delta R.T. -0.01 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

Tgt Ion:	59	Resp:	3019
Ion	Ratio	Lower	Upper
59	100		
57	4.8	8.2	12.2#





#12

1,1-Dichloroethene

Concen: 0.285 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20181205

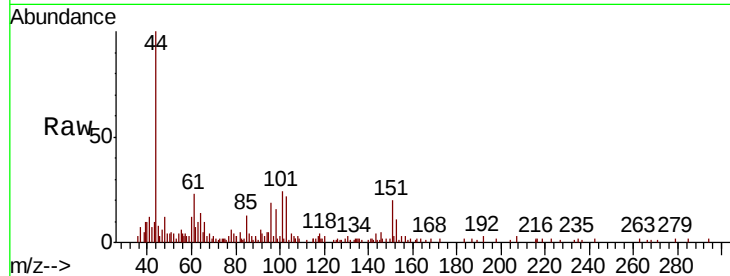
Tot Ion: 96 Resp: 1984

Ion Ratio Lower Upper

96 100

61 107.3 131.7 197.5#

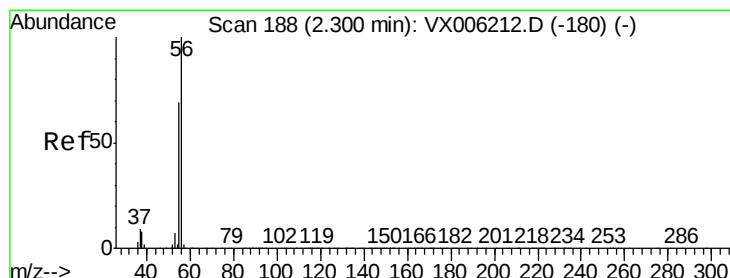
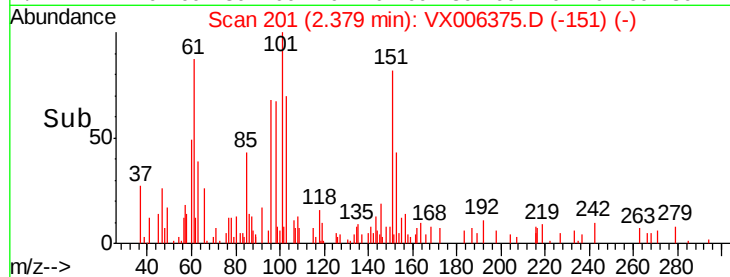
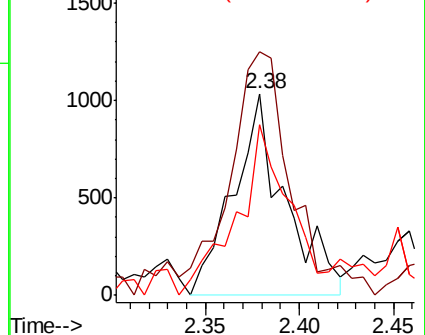
98 76.8 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.451 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX006375.D

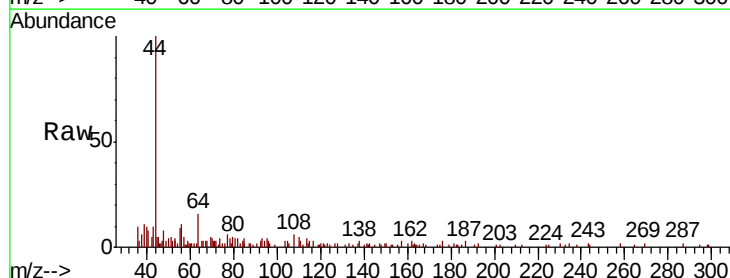
Acq: 10 Dec 2018 17:32

Tgt Ion: 56 Resp: 529

Ion Ratio Lower Upper

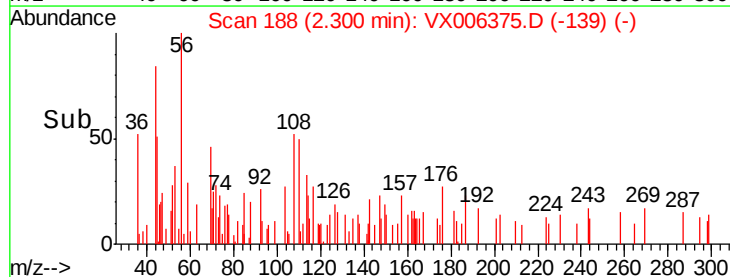
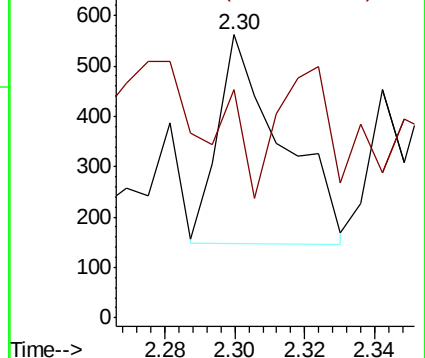
56 100

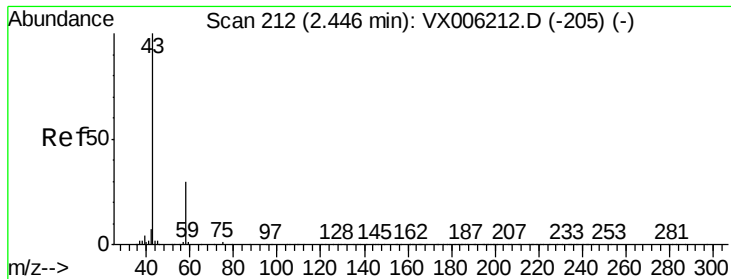
55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

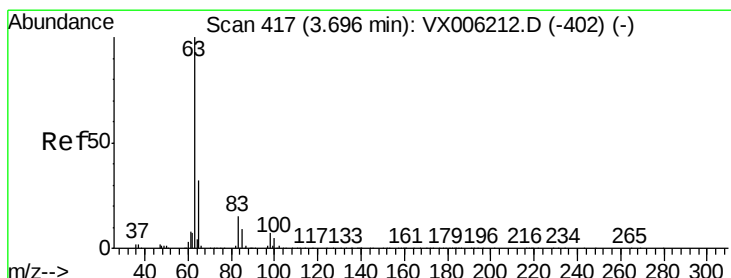
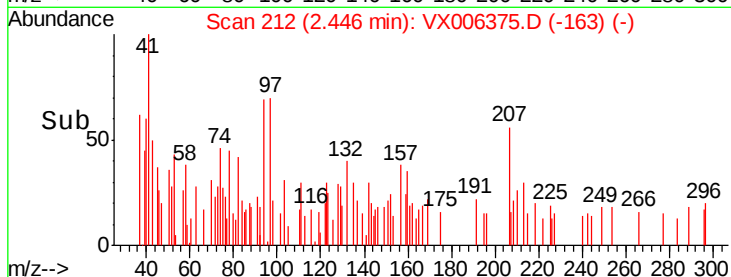
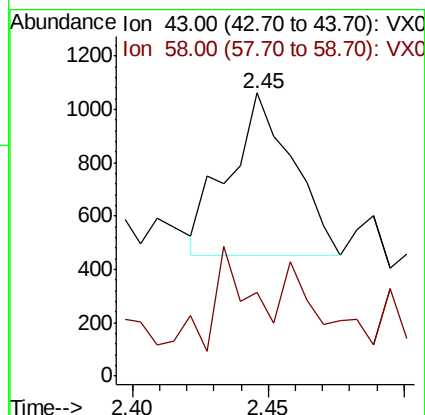
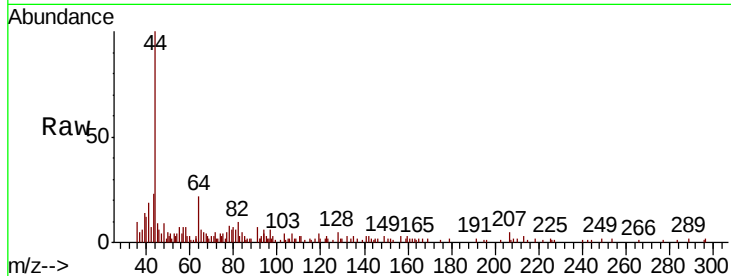




#16
Acetone
Concen: 0.269 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006375.D
Acq: 10 Dec 2018 17:32

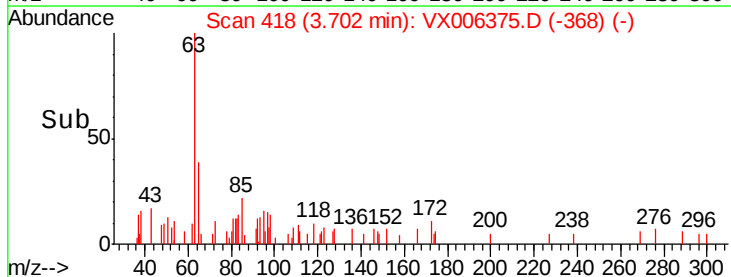
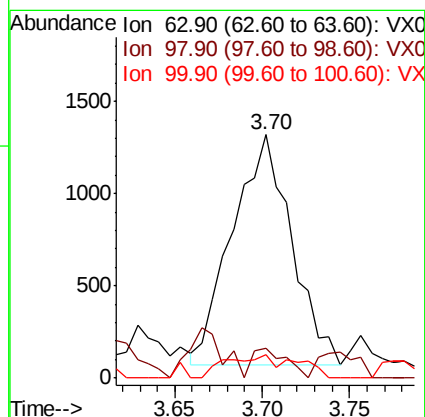
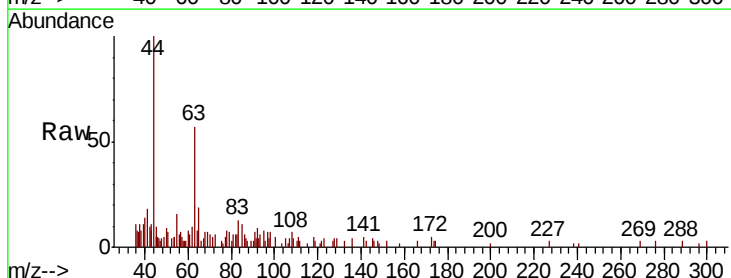
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20181205

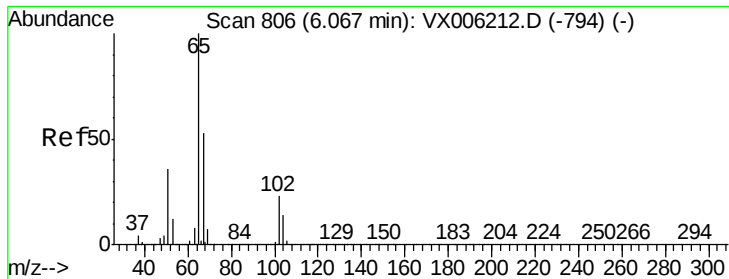
Tot Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 17.5 24.0 36.0#



#24
1,1-Dichloroethane
Concen: 0.239 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX006375.D
Acq: 10 Dec 2018 17:32

Tgt Ion: 63 Resp: 2934
Ion Ratio Lower Upper
63 100
98 2.0 3.8 11.4#
100 10.0 2.5 7.4#

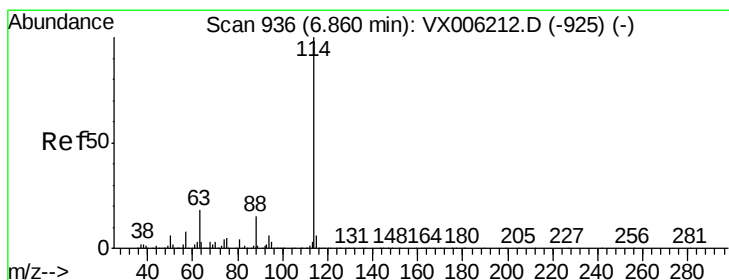
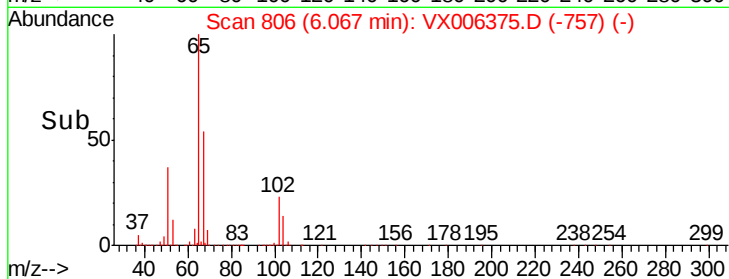
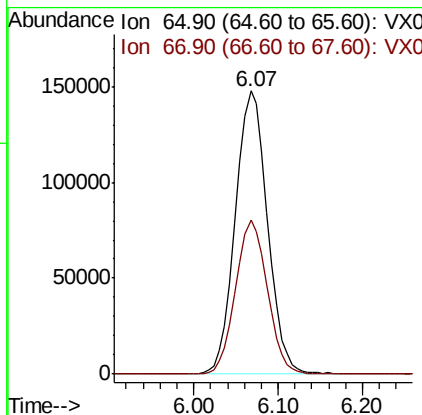
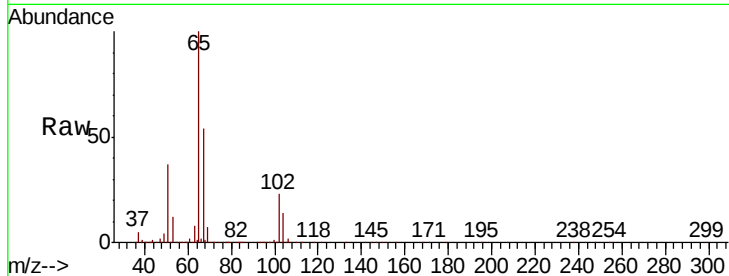




#33
 1,2-Dichloroethane-d4
 Concen: 48.550 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006375.D
 Acq: 10 Dec 2018 17:32

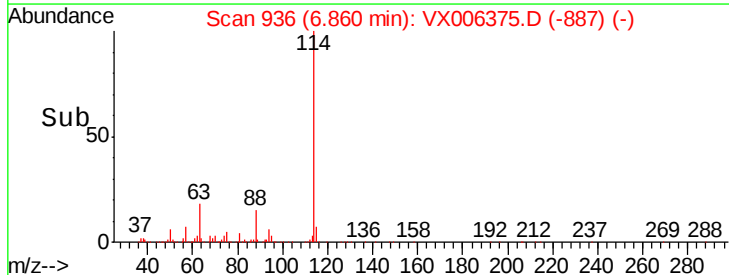
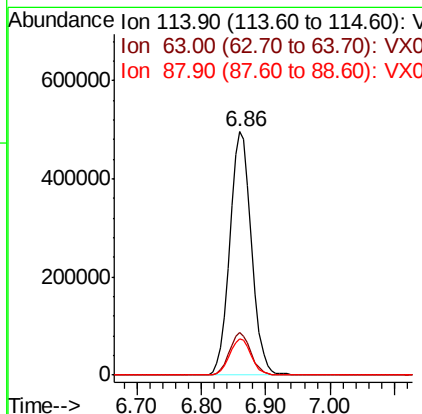
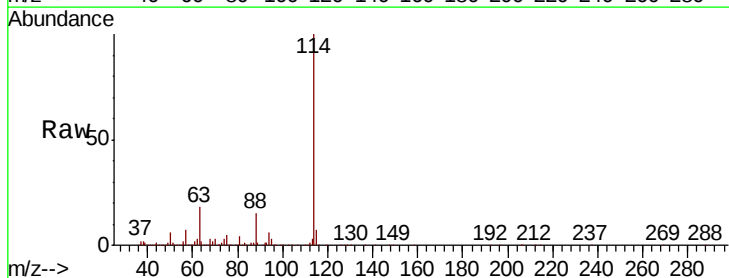
Instrument :
 MSVOA_X
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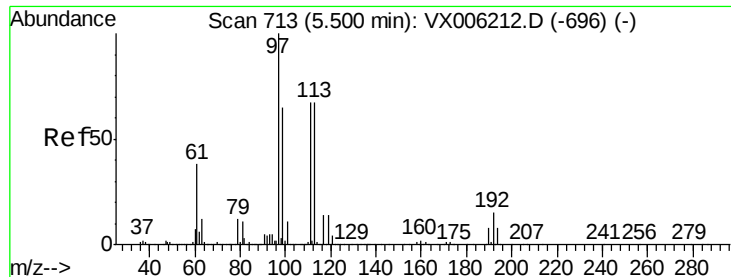
Tot Ion: 65 Resp: 380828
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006375.D
 Acq: 10 Dec 2018 17:32

Tgt Ion: 114 Resp: 1174241
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 15.0 0.0 29.0

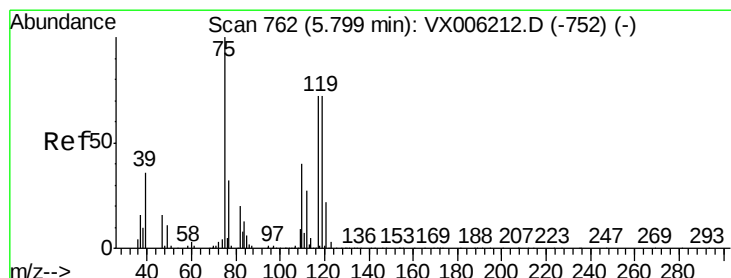
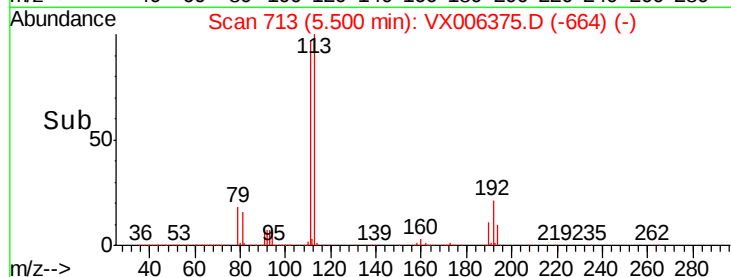
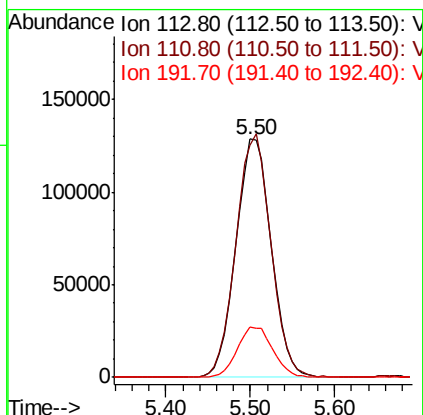
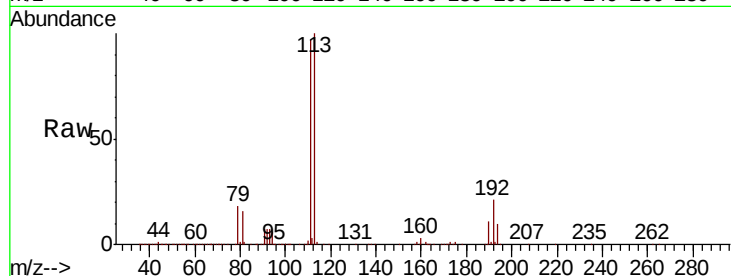




#35
Dibromofluoromethane
Concen: 48.158 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX006375.D
Acq: 10 Dec 2018 17:32

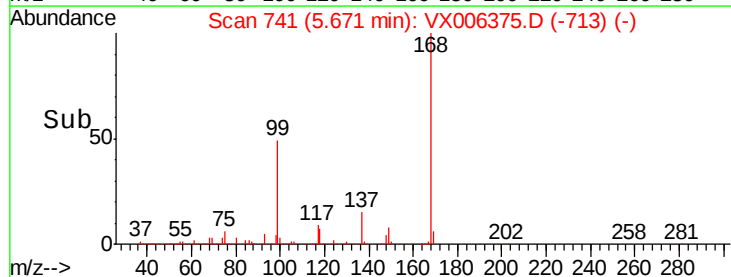
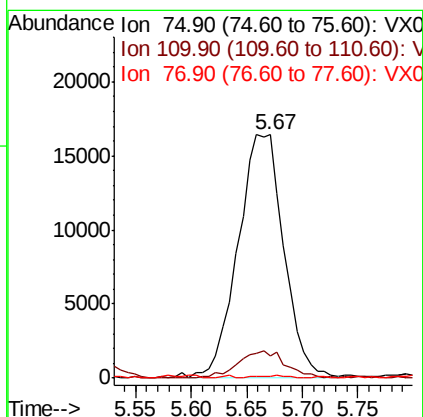
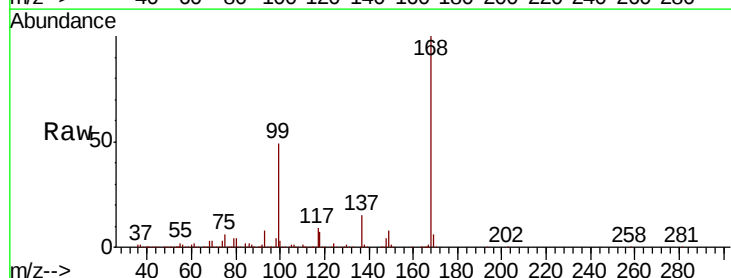
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20181205

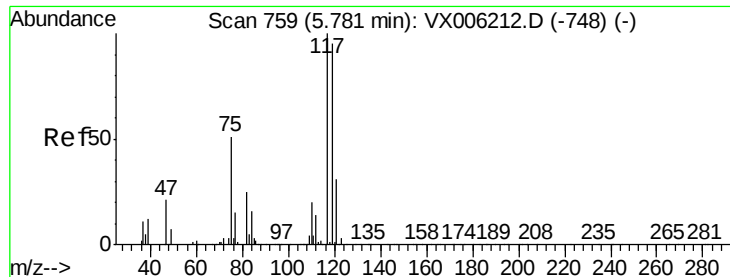
Tot Ion:113 Resp: 366131
Ion Ratio Lower Upper
113 100
111 100.5 81.1 121.7
192 21.3 18.2 27.2



#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.13 min
Lab File: VX006375.D
Acq: 10 Dec 2018 17:32

Tgt Ion: 75 Resp: 46540
Ion Ratio Lower Upper
75 100
110 11.6 20.4 61.3#
77 0.8 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20181205

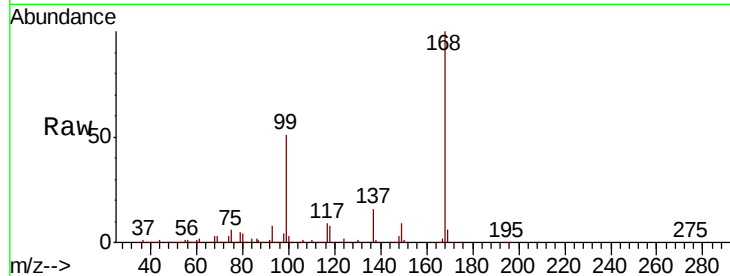
Tot Ion:117 Resp: 68067

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

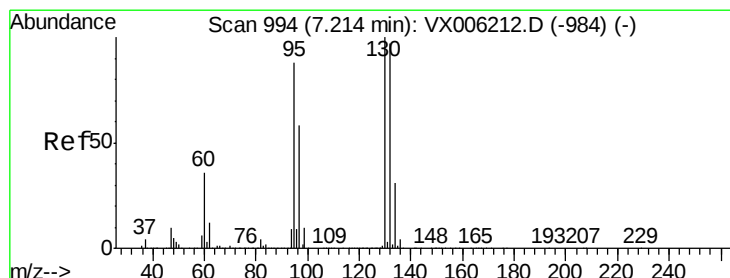
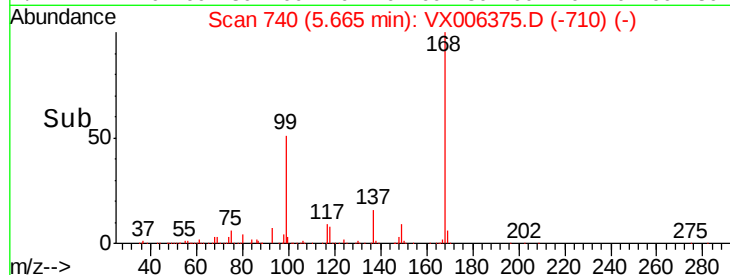
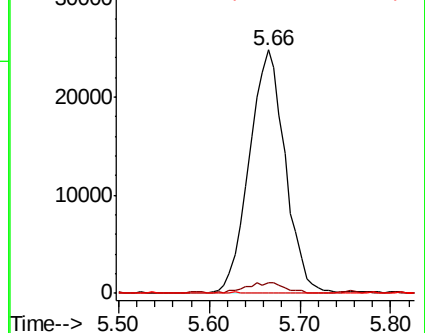
121 0.0 24.6 37.0#



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: 2.755 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006375.D

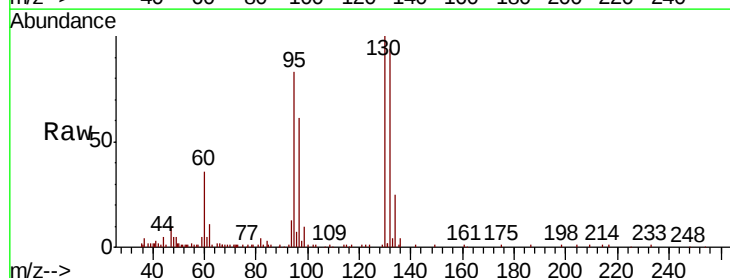
Acq: 10 Dec 2018 17:32

Tgt Ion:130 Resp: 24722

Ion Ratio Lower Upper

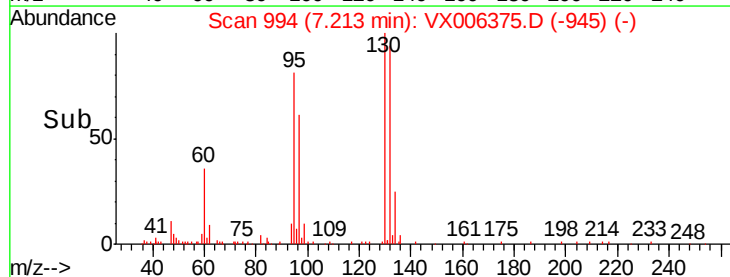
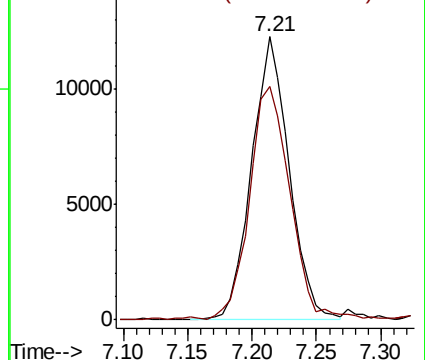
130 100

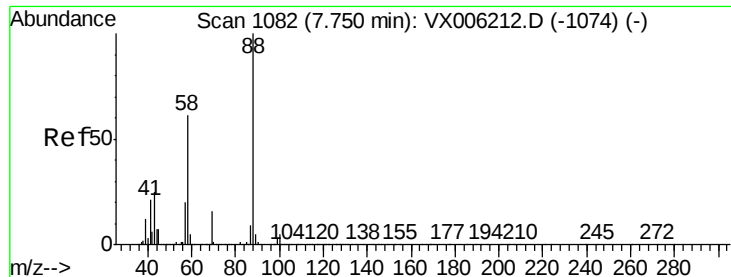
95 81.3 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 4.359 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

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BPS1-TT-MW30212-20181205

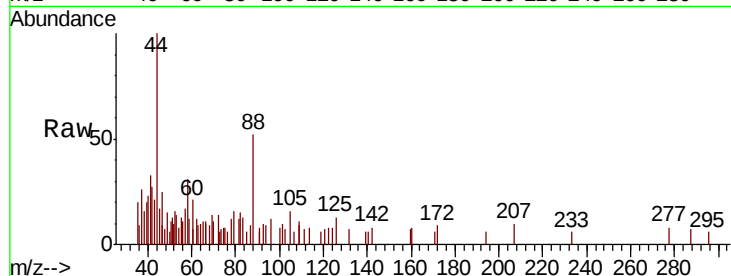
Tot Ion: 88 Resp: 965

Ion Ratio Lower Upper

88 100

43 78.9 23.2 34.8#

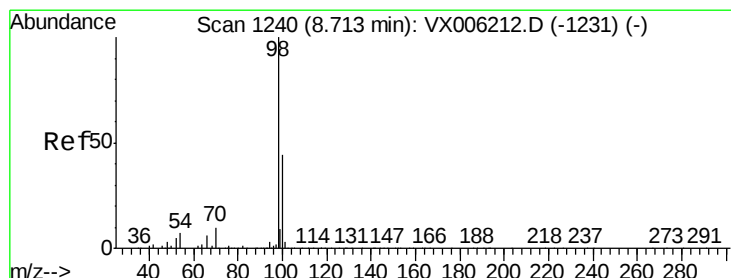
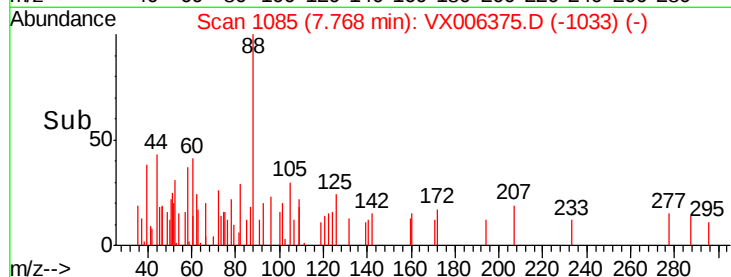
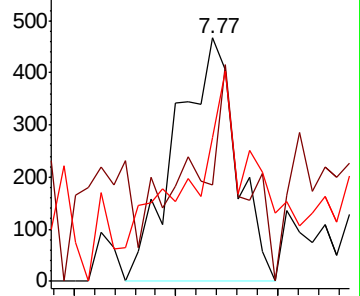
58 67.2 51.4 77.0



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: 49.179 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006375.D

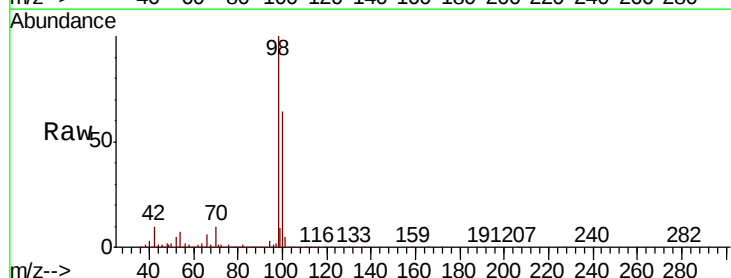
Acq: 10 Dec 2018 17:32

Tgt Ion: 98 Resp: 1360014

Ion Ratio Lower Upper

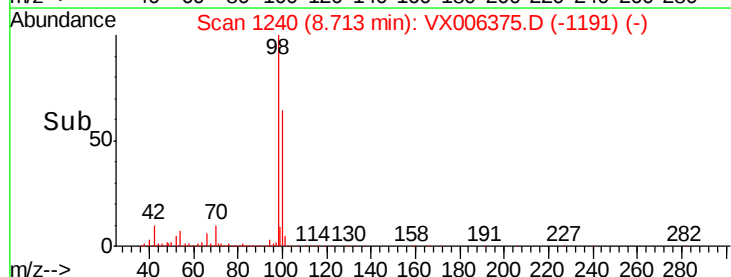
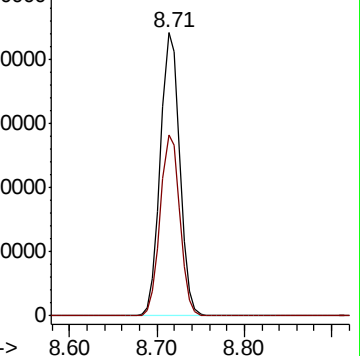
98 100

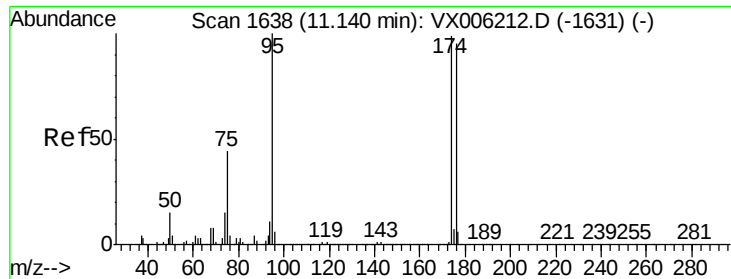
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.098 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20181205

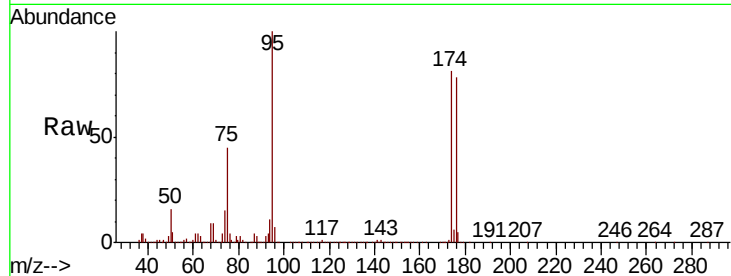
Tot Ion: 95 Resp: 501223

Ion Ratio Lower Upper

95 100

174 88.9 0.0 187.0

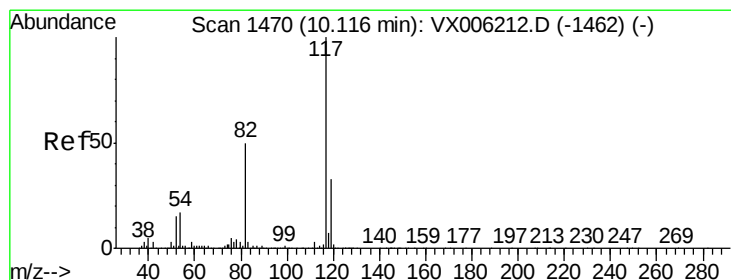
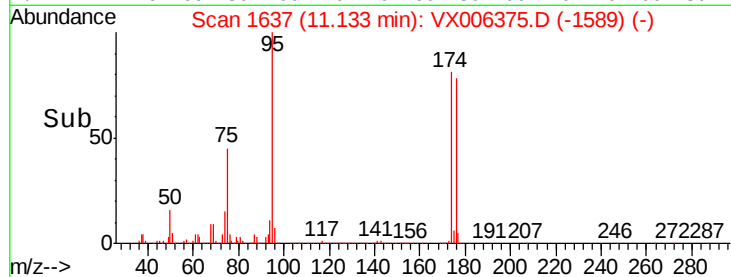
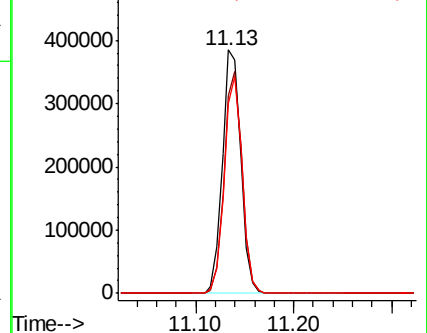
176 86.3 0.0 181.8



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. -0.00 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

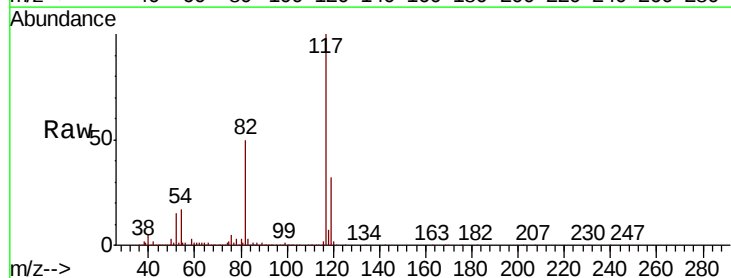
Tgt Ion: 117 Resp: 1057367

Ion Ratio Lower Upper

117 100

82 49.8 39.6 59.4

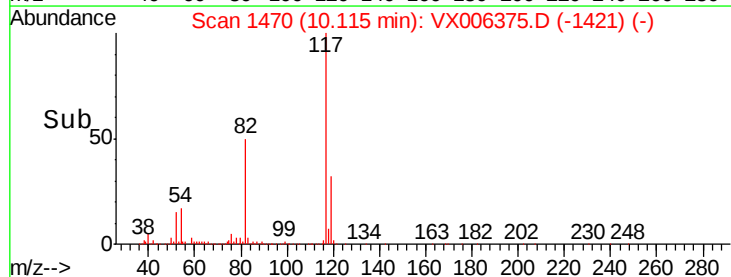
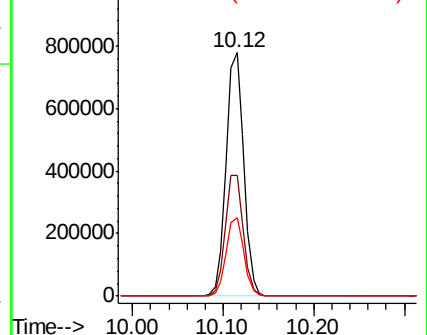
119 32.2 26.3 39.5

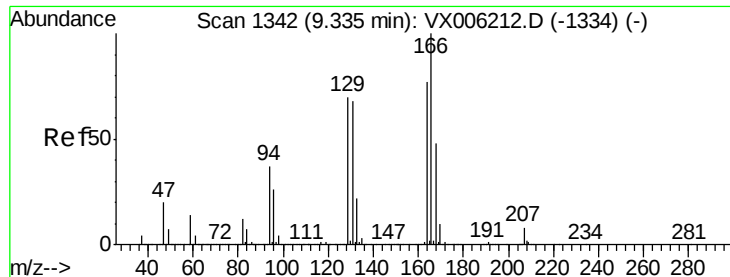


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

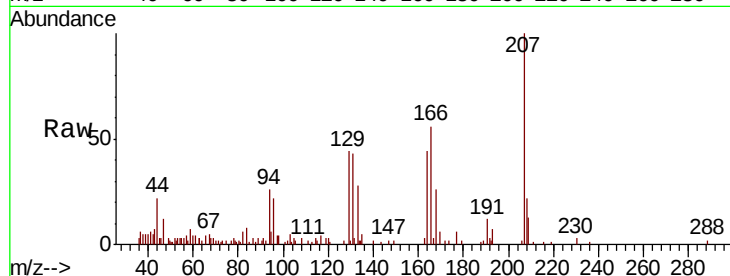




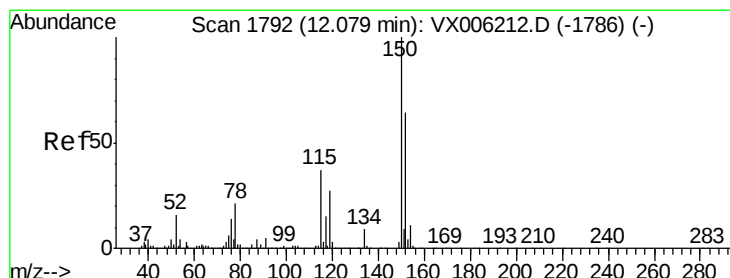
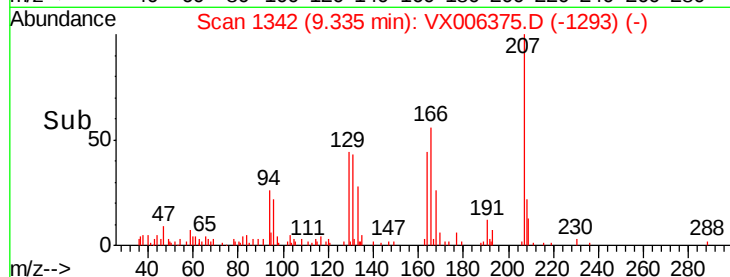
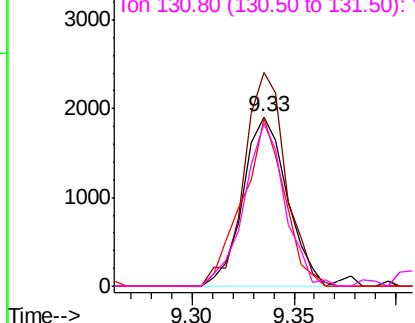
#64
Tetrachloroethene
Concen: 0.363 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006375.D
Acq: 10 Dec 2018 17:32

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20181205

Tot Ion:164	Resp:	2892
Ion	Ratio	Lower Upper
164	100	
166	126.2	104.2 156.2
129	98.8	72.6 108.8
131	95.9	70.3 105.5

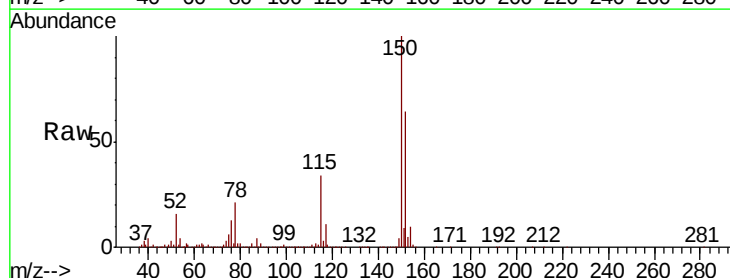


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

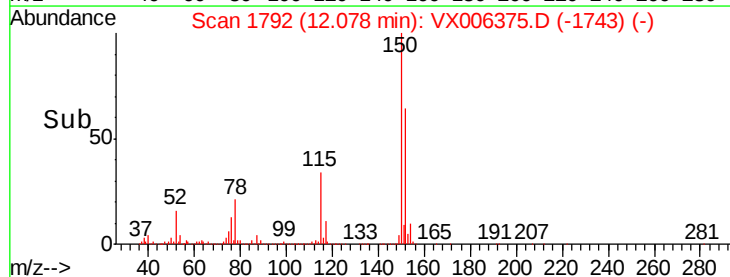
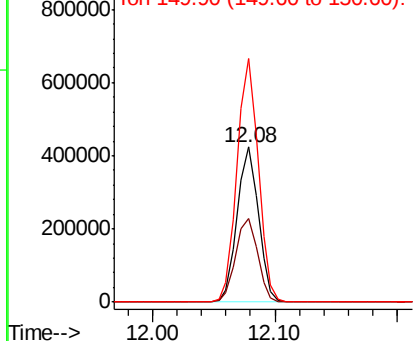


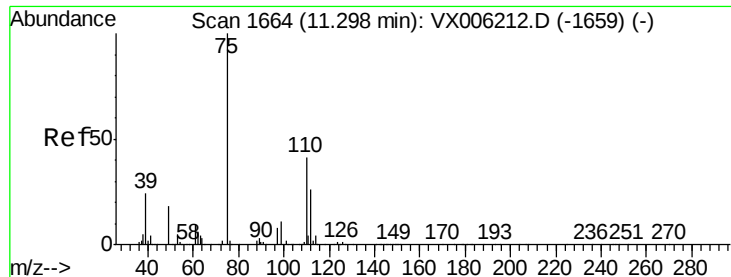
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006375.D
Acq: 10 Dec 2018 17:32

Tgt Ion:152	Resp:	510309
Ion	Ratio	Lower Upper
152	100	
115	55.6	39.0 116.9
150	156.1	0.0 345.8



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: 22.974 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

Instrument :

MSVOA_X

ClientSampleId :

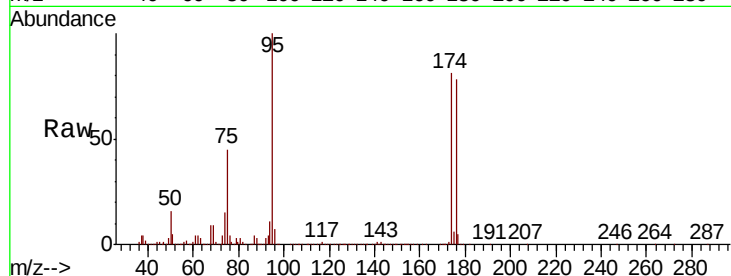
BPS1-TT-MW30212-20181205

Tot Ion: 75 Resp: 226292

Ion Ratio Lower Upper

75 100

77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

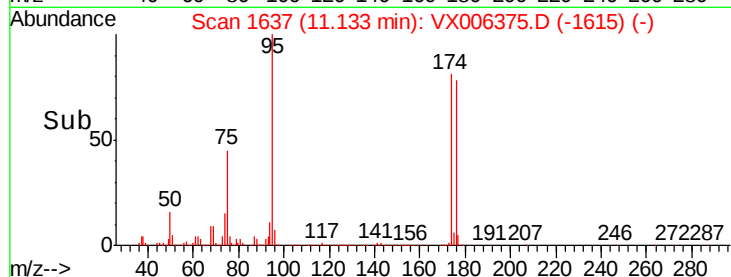
150000

100000

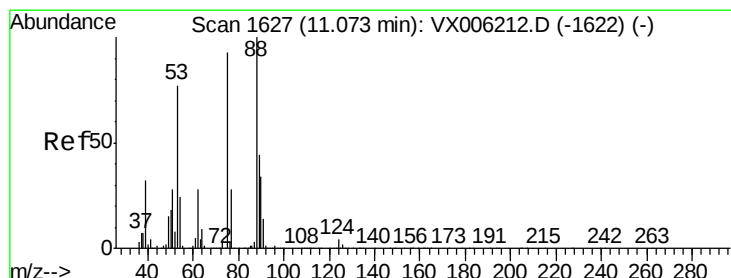
50000

0

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 53.914 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006375.D

Acq: 10 Dec 2018 17:32

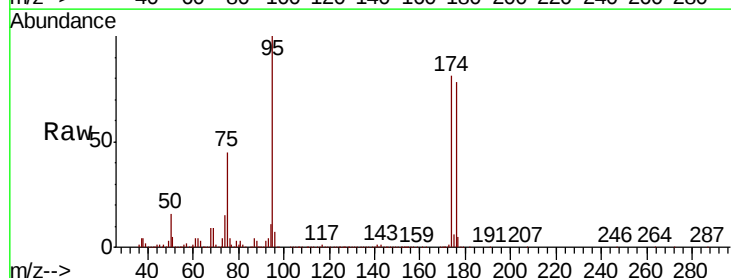
Tgt Ion: 75 Resp: 226292

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#



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

200000

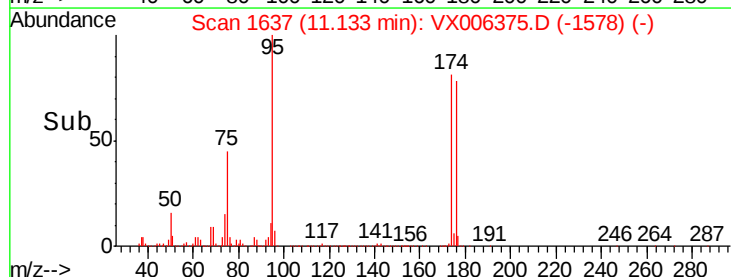
150000

100000

50000

0

Time-->



Time-->