

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092718\
 Data File : VX004805.D
 Acq On : 28 Sep 2018 05:57
 Operator : JC/MD
 Sample : J5033-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MH-SW4001-20180918

Quant Time: Sep 28 08:24:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207397	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	184375	55.78	ug/l	0.00
Spiked Amount			Recovery	=	111.56%	
35) Dibromofluoromethane	5.51	113	156170	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	8.72	98	548335	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.14	95	196794	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

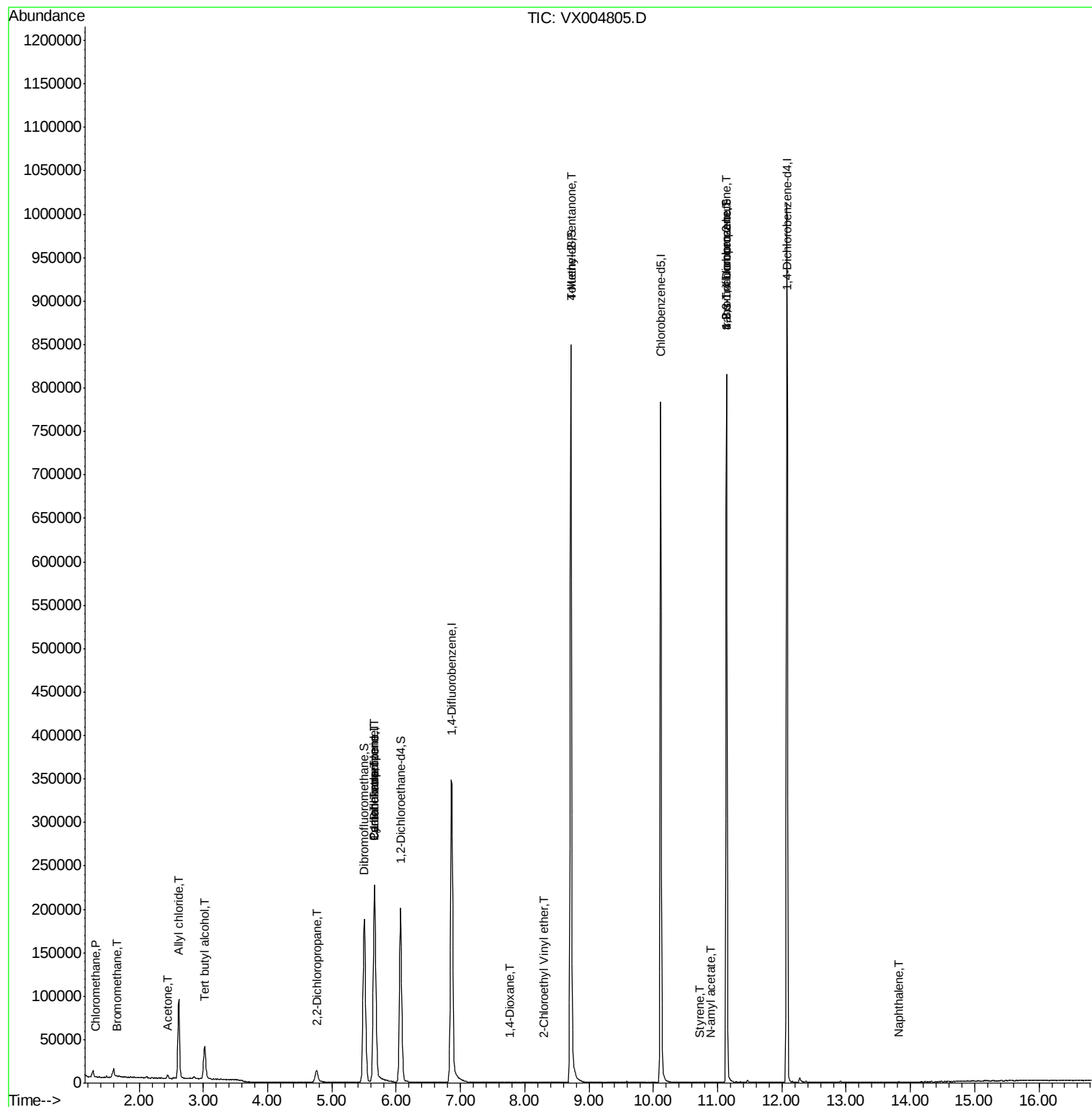
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	804	0.210	ug/l	89
5) Bromomethane	1.65	94	458	0.215	ug/l	88
6) Chloroethane	1.72	64	870	Below Cal	#	44
11) Tert butyl alcohol	3.02	59	24707	26.732	ug/l #	79
14) Allyl chloride	2.62	41	8886	1.624	ug/l #	61
16) Acetone	2.44	43	3931	2.037	ug/l	94
20) Methylene Chloride	2.85	84	917	Below Cal	#	93
26) 2,2-Dichloropropane	4.76	77	1330	0.348	ug/l #	52
31) Cyclohexane	5.66	56	4191	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16164	3.716	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22061	4.825	ug/l #	16
49) 1,4-Dioxane	7.76	88	76	0.809	ug/l #	39
51) 4-Methyl-2-Pentanone	8.72	43	2853	0.544	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.30	63	20	14.249	ug/l #	45
70) Styrene	10.71	104	22	2.143	ug/l #	27
74) N-amyl acetate	10.90	43	231	1.779	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	99001	21.297	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	79	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	99001	57.764	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	159	Below Cal	#	30
95) Naphthalene	13.83	128	181	0.730	ug/l #	70

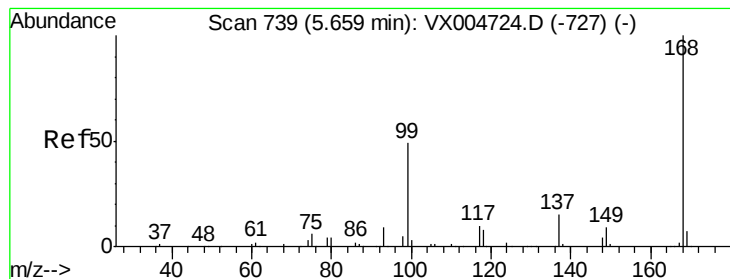
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 26 14:17:02 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

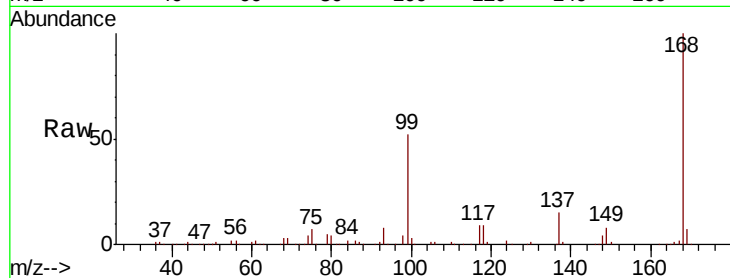
BP-MH-SW4001-20180918

Tot Ion:168 Resp: 231396

Ion Ratio Lower Upper

168 100

99 52.3 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

80000

60000

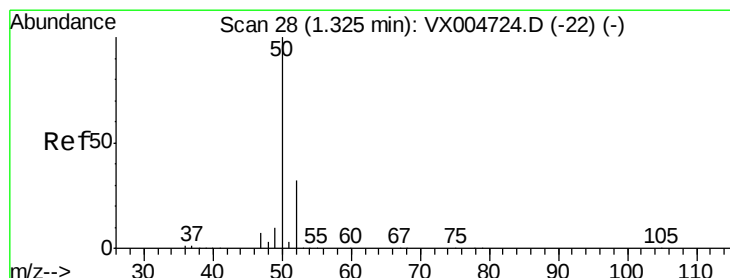
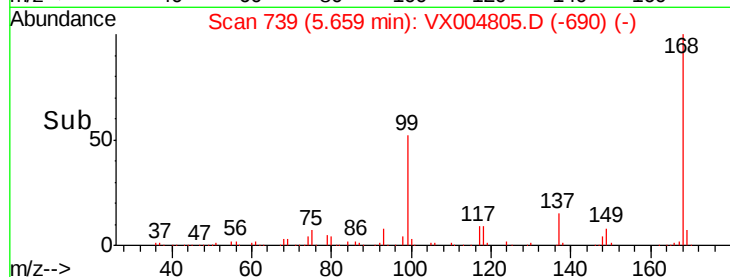
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004805.D

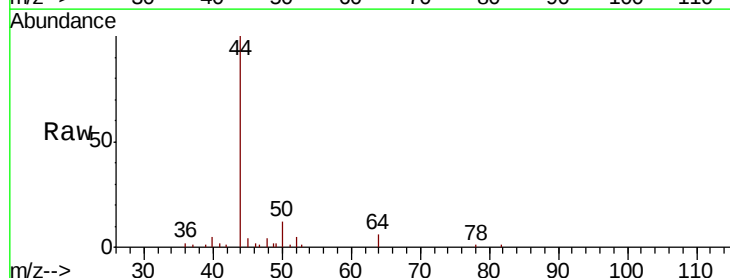
Acq: 28 Sep 2018 05:57

Tgt Ion: 50 Resp: 804

Ion Ratio Lower Upper

50 100

52 39.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

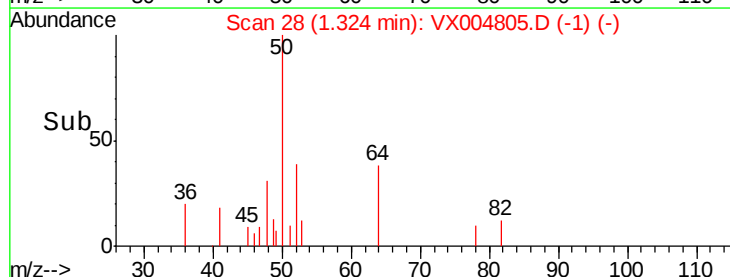
400

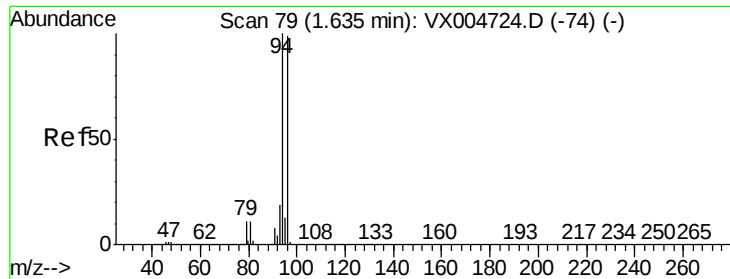
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

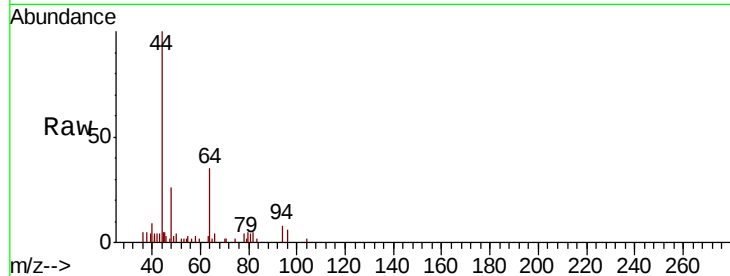
BP-MH-SW4001-20180918

Tot Ion: 94 Resp: 458

Ion Ratio Lower Upper

94 100

96 81.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

50

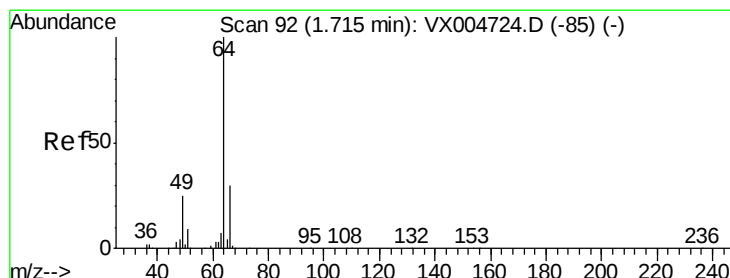
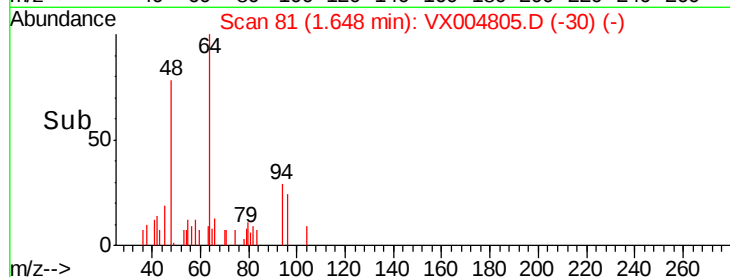
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004805.D

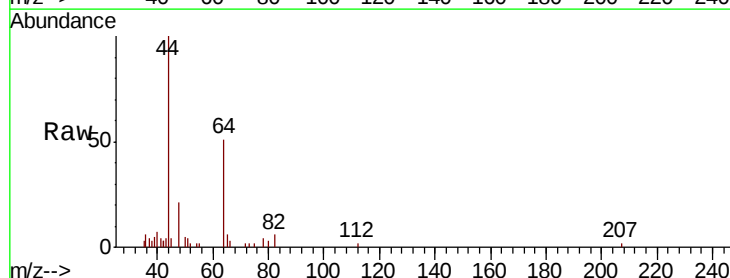
Acq: 28 Sep 2018 05:57

Tgt Ion: 64 Resp: 870

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1500

1000

500

0

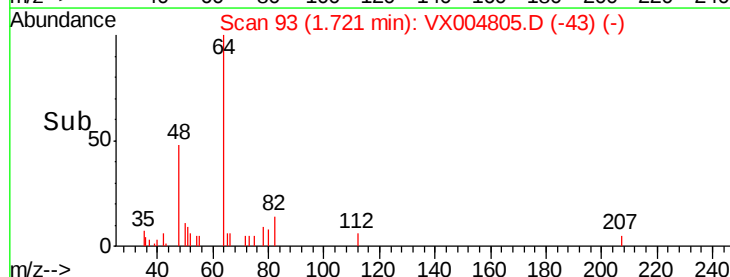
1.68

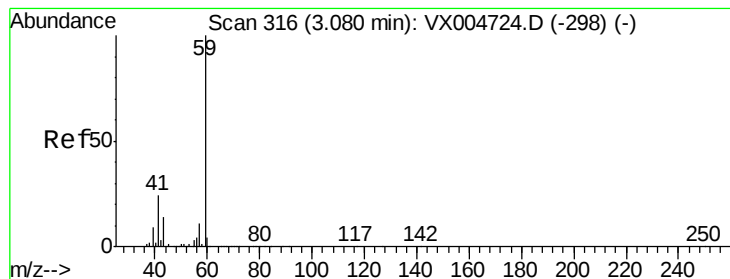
1.70

1.72

1.74

Time-->





#11

Tert butyl alcohol

Concen: 26.732 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

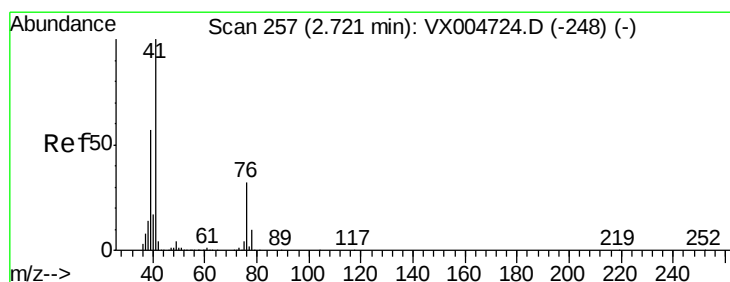
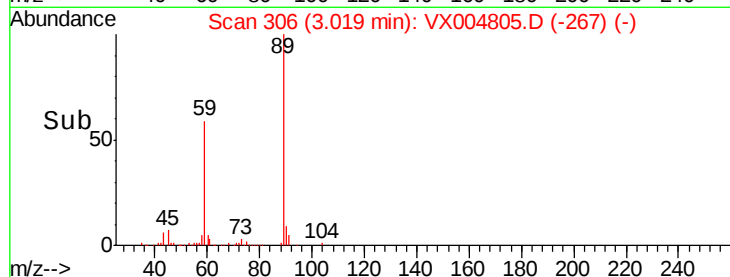
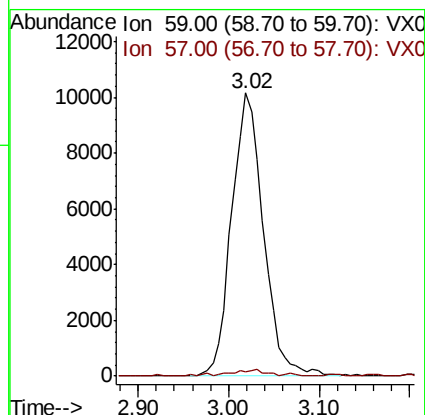
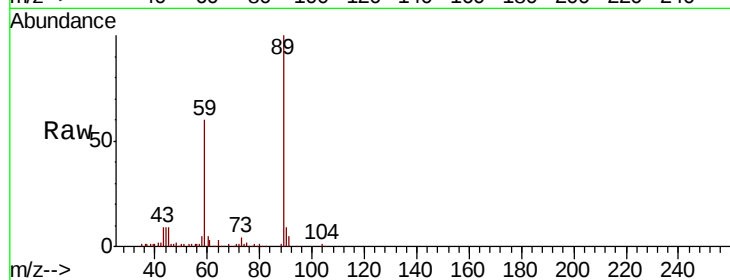
BP-MH-SW4001-20180918

Tot Ion: 59 Resp: 24707

Ion Ratio Lower Upper

59 100

57 2.3 8.2 12.4#



#14

Allyl chloride

Concen: 1.624 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

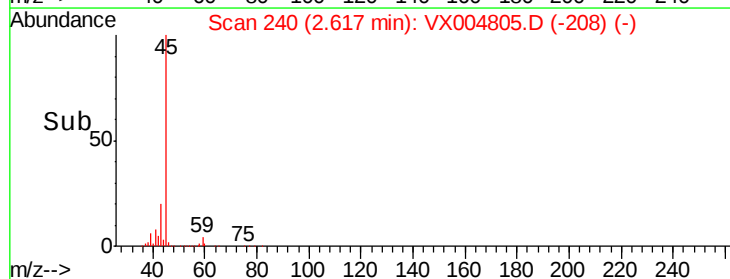
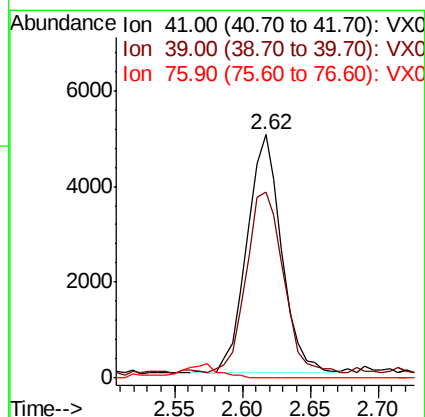
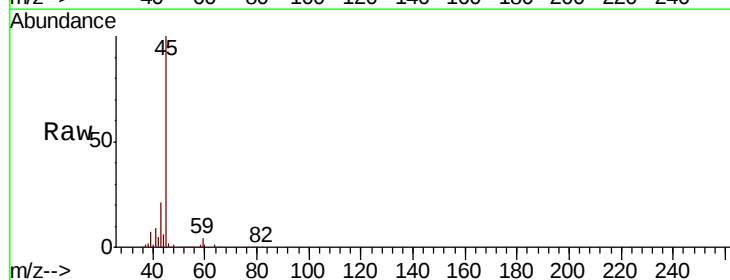
Tgt Ion: 41 Resp: 8886

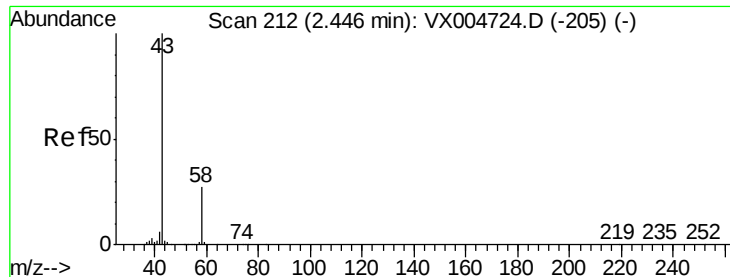
Ion Ratio Lower Upper

41 100

39 82.3 48.9 73.3#

76 0.0 26.7 40.1#





#16

Acetone

Concen: 2.037 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

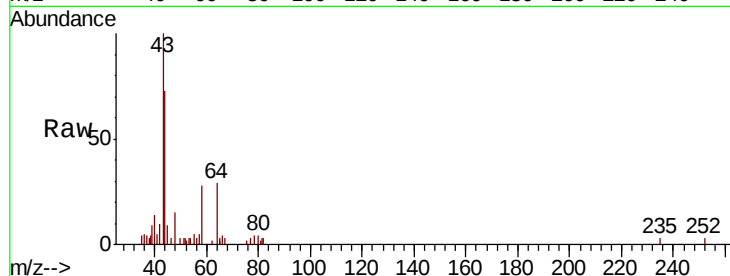
BP-MH-SW4001-20180918

Tot Ion: 43 Resp: 3931

Ion Ratio Lower Upper

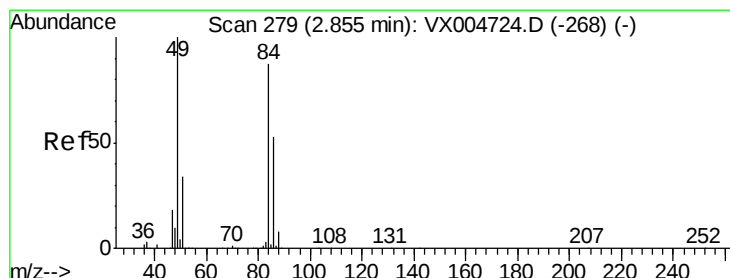
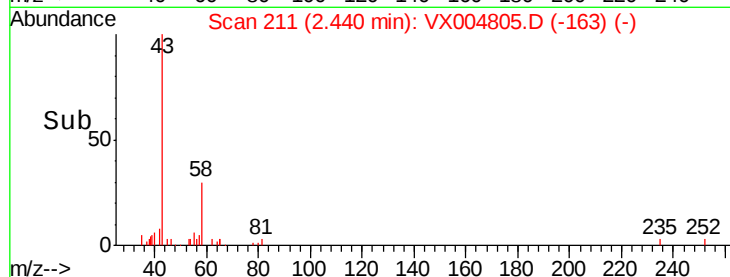
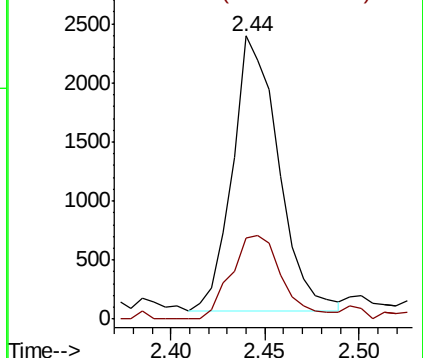
43 100

58 29.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

Tgt Ion: 84 Resp: 917

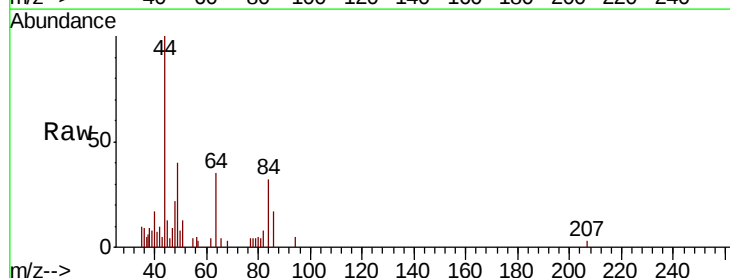
Ion Ratio Lower Upper

84 100

49 126.1 101.2 151.8

51 27.8 29.5 44.3#

86 53.7 52.3 78.5

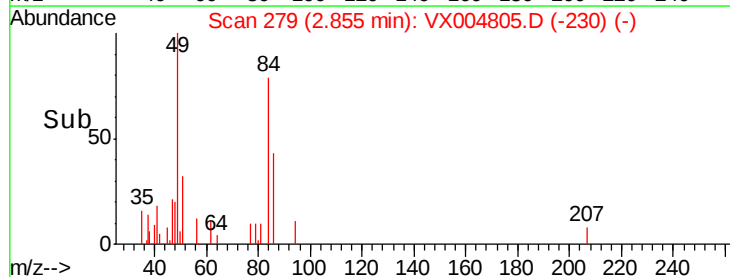
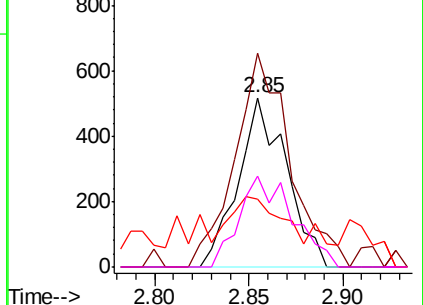


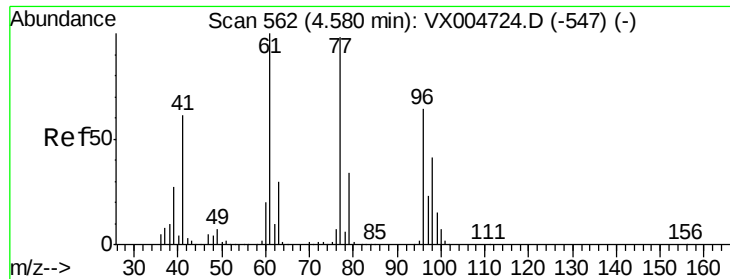
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

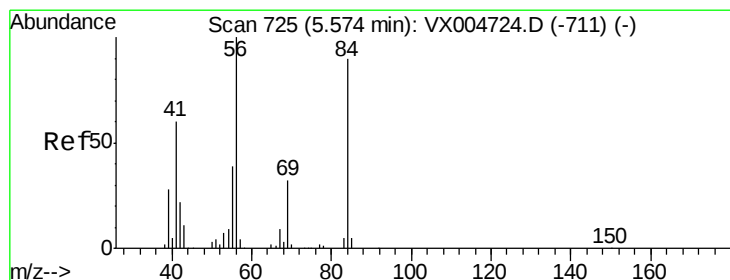
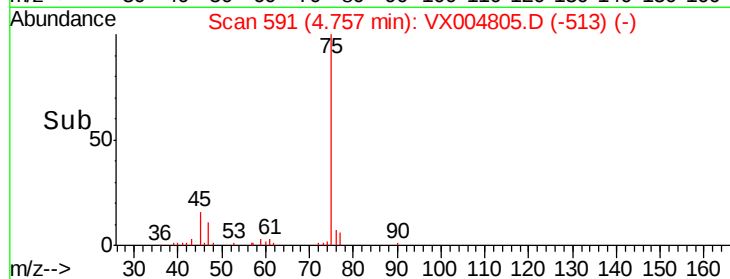
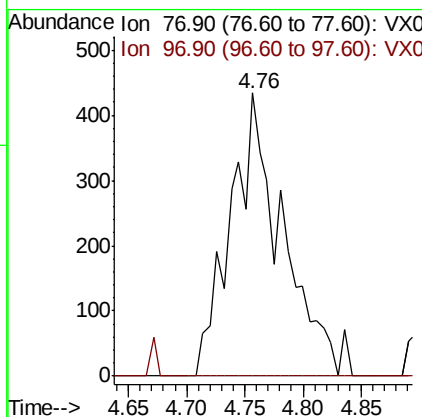
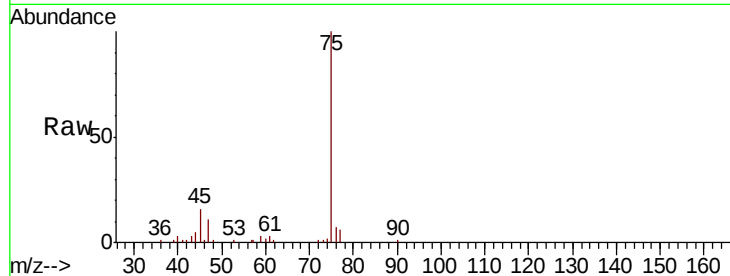




#26
 2,2-Dichloropropane
 Concen: 0.348 ug/l
 RT: 4.76 min Scan# 591
 Delta R.T. 0.18 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

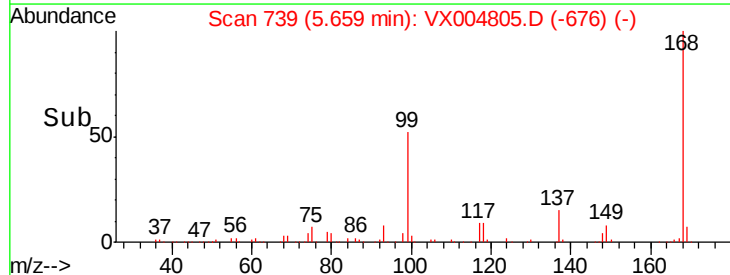
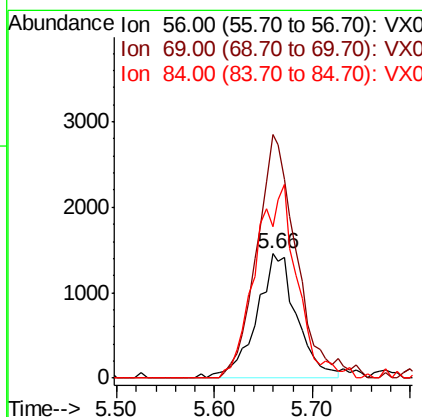
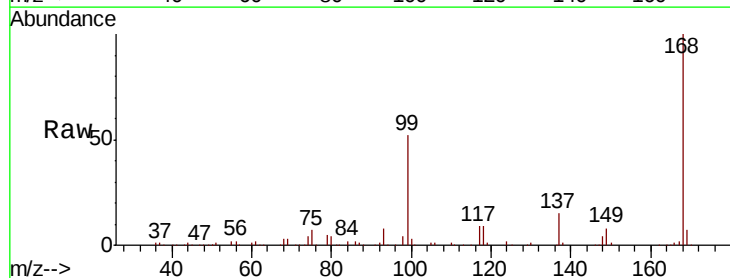
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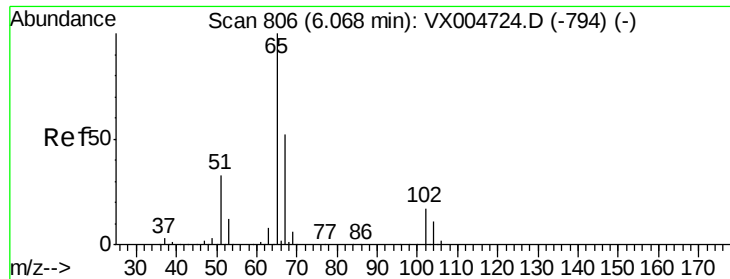
Tot Ion: 77 Resp: 1330
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#31
 Cyclohexane
 Concen: 0.996 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

Tgt Ion: 56 Resp: 4191
 Ion Ratio Lower Upper
 56 100
 69 195.7 25.4 38.2#
 84 121.4 71.4 107.2#

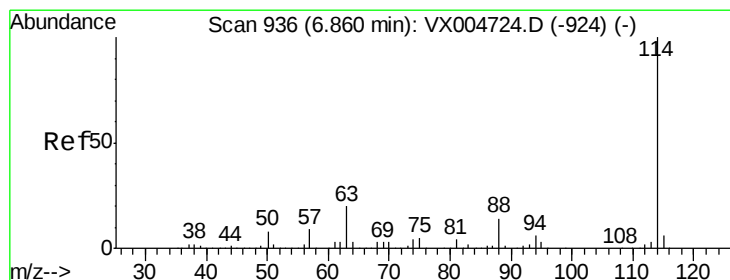
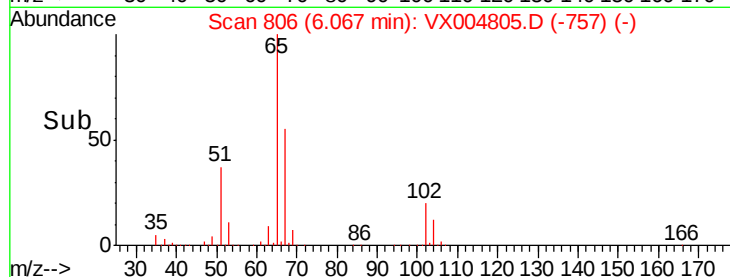
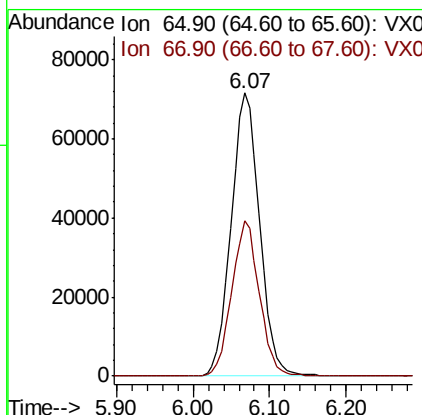
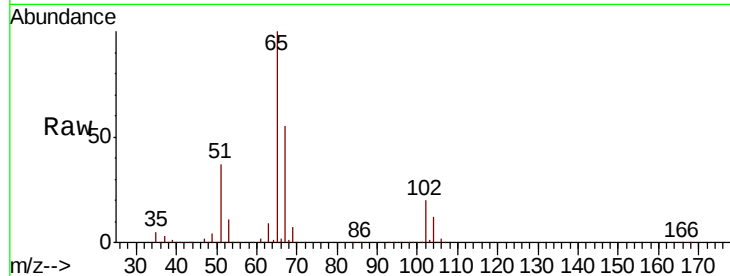




#33
 1,2-Dichloroethane-d4
 Concen: 55.778 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

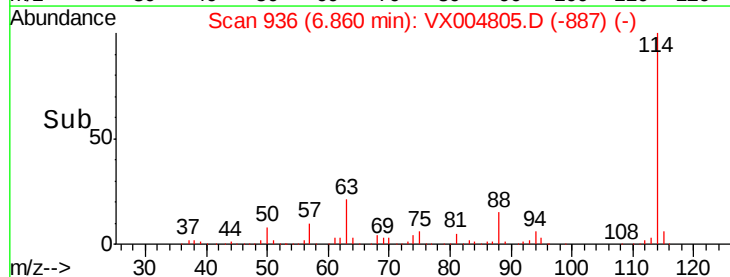
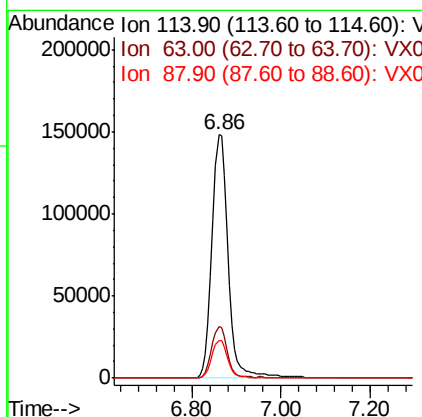
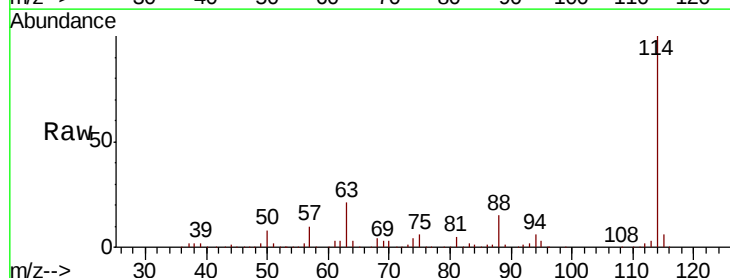
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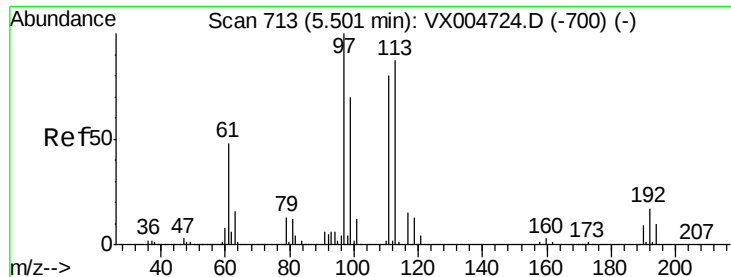
Tot Ion: 65 Resp: 184375
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

Tgt Ion: 114 Resp: 376135
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.0
 88 15.3 0.0 30.4

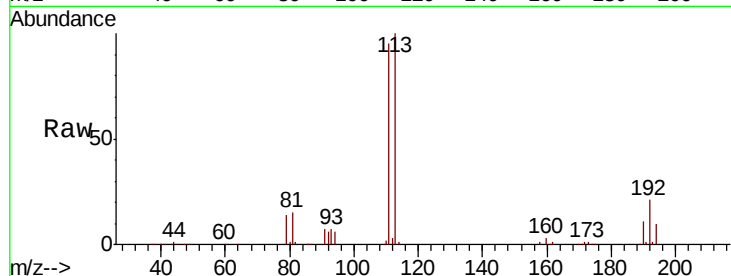




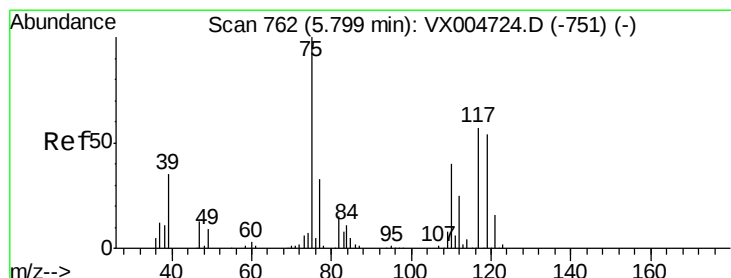
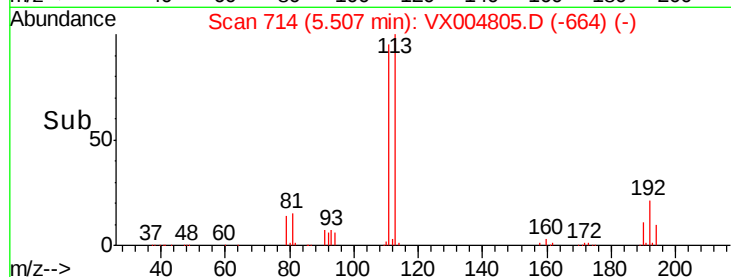
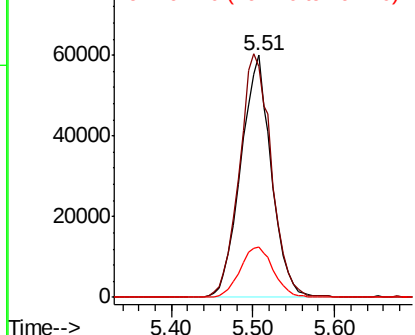
#35
 Dibromofluoromethane
 Concen: 48.990 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MH-SW4001-20180918

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.4	123.6
192	22.8	19.4	29.2

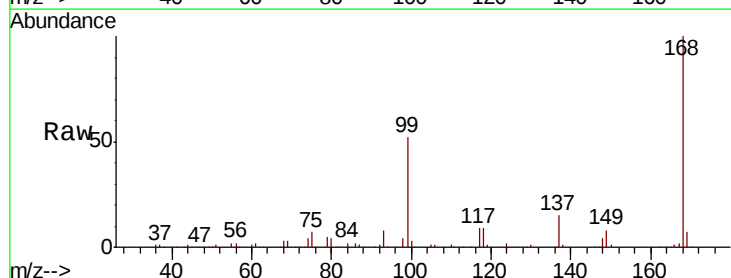


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

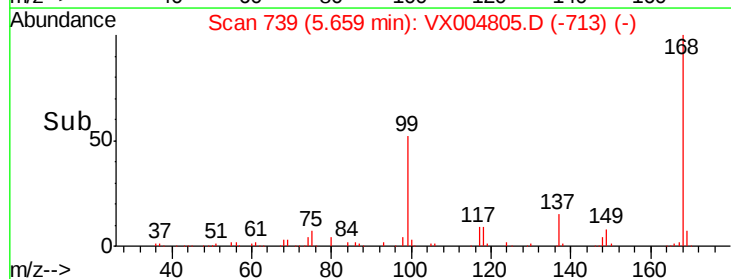
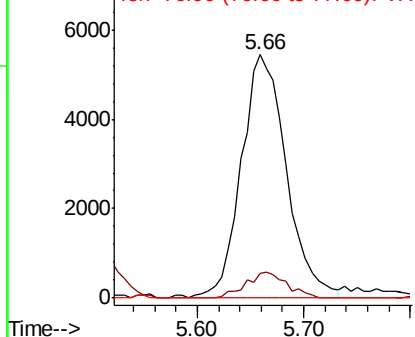


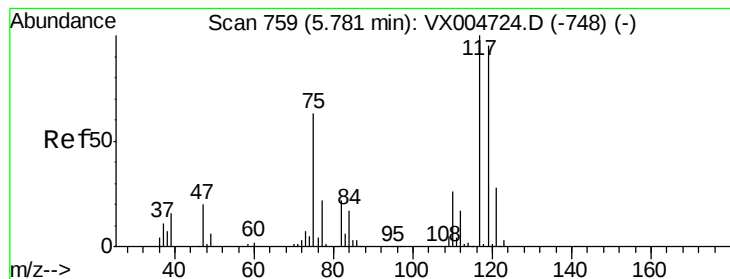
#36
 1,1-Dichloropropene
 Concen: 3.716 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.0	54.0#
77	0.0	24.6	36.8#



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: 4.825 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-20180918

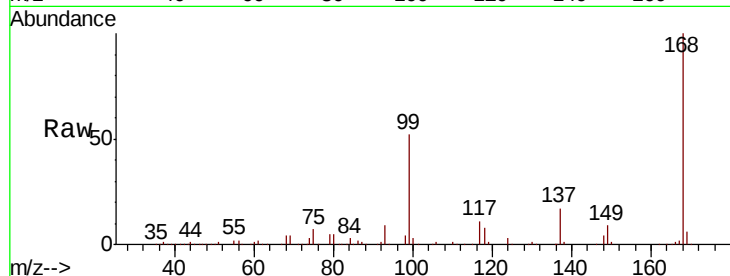
Tot Ion:117 Resp: 22061

Ion Ratio Lower Upper

117 100

119 6.5 78.8 118.2#

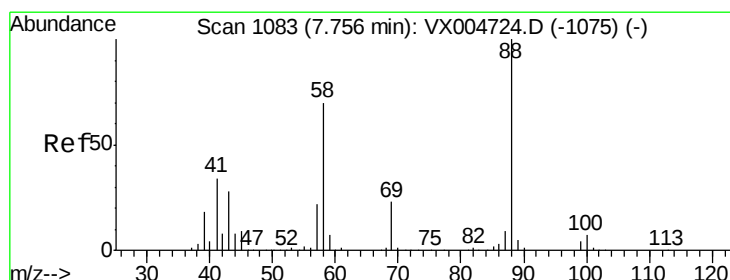
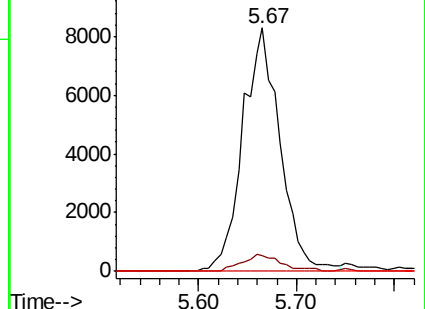
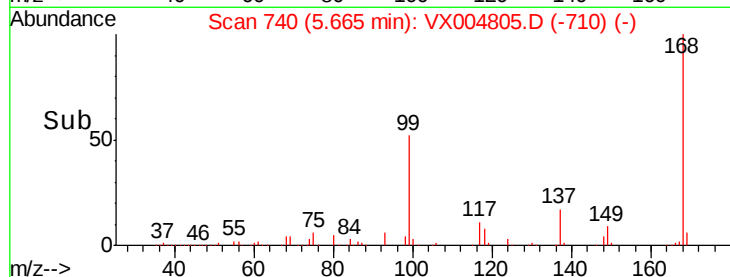
121 0.0 24.9 37.3#



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



#49

1,4-Dioxane

Concen: 0.809 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

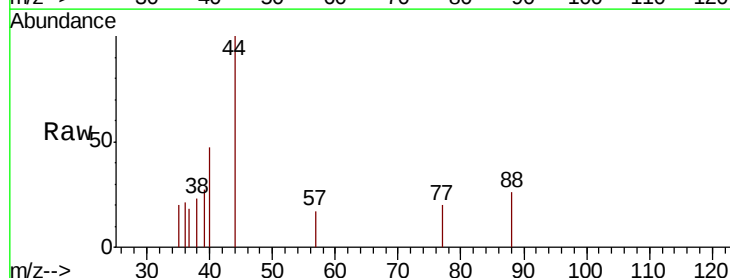
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 26.3 24.7 37.1

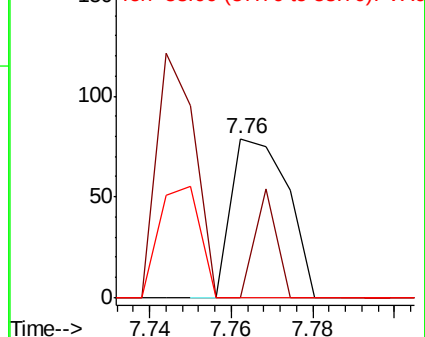
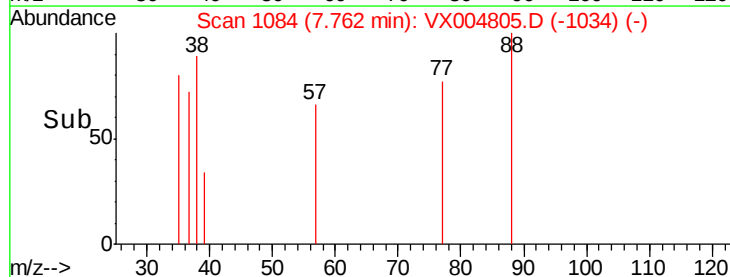
58 0.0 55.3 82.9#

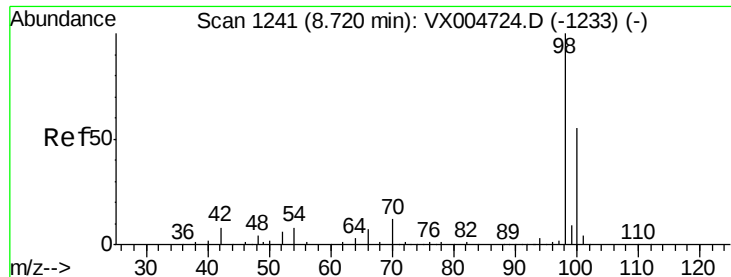


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

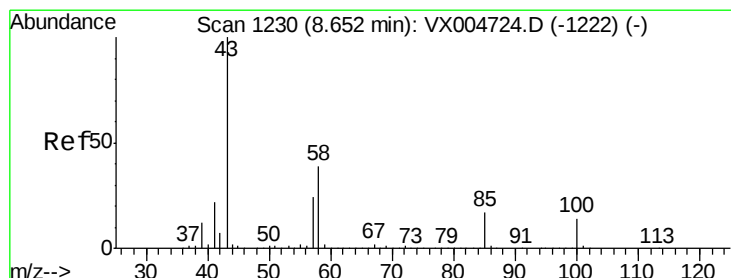
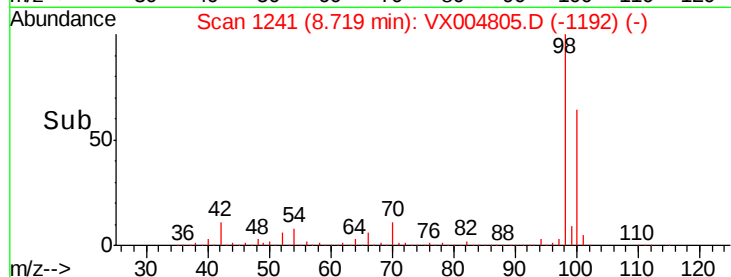
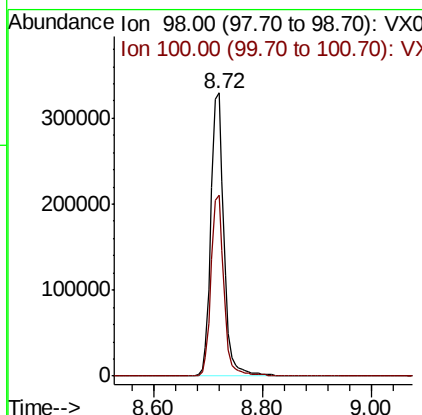
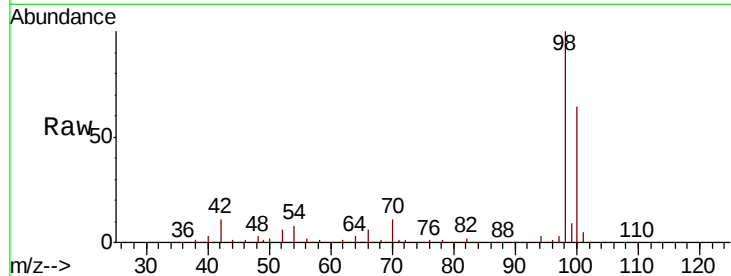




#50
Toluene-d8
Concen: 51.740 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004805.D
Acq: 28 Sep 2018 05:57

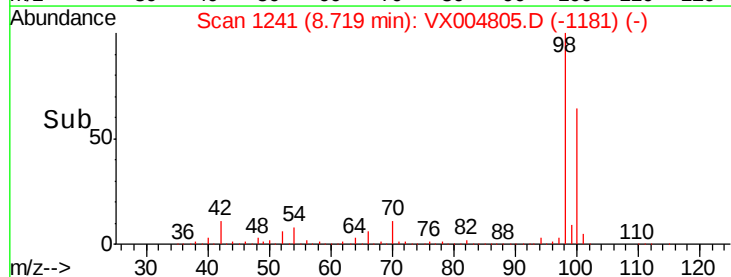
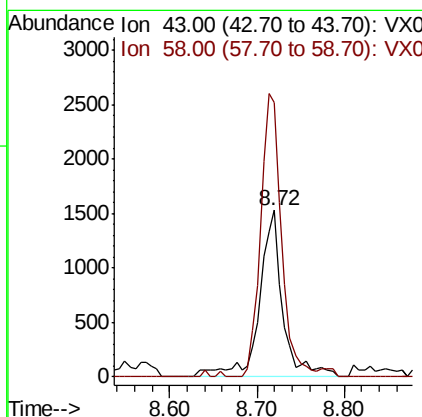
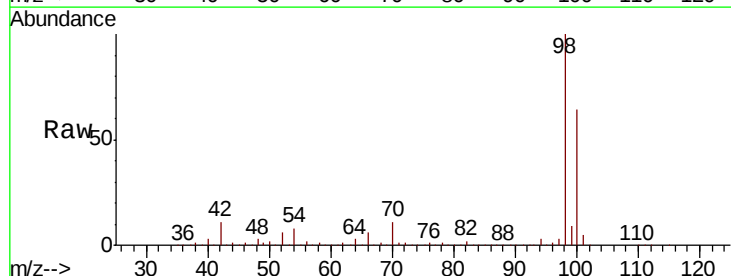
Instrument :
MSVOA_X
ClientSampleId :
BP-MH-SW4001-20180918

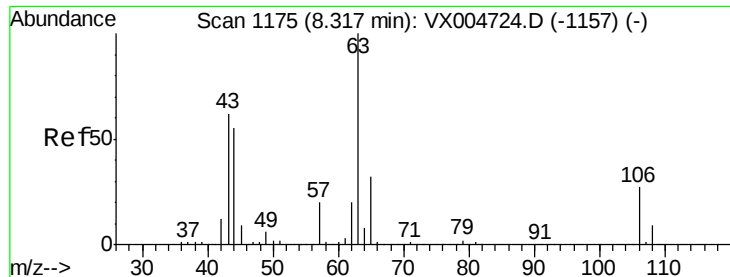
Tot Ion: 98 Resp: 548335
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.544 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.07 min
Lab File: VX004805.D
Acq: 28 Sep 2018 05:57

Tgt Ion: 43 Resp: 2853
Ion Ratio Lower Upper
43 100
58 151.2 33.1 49.7#

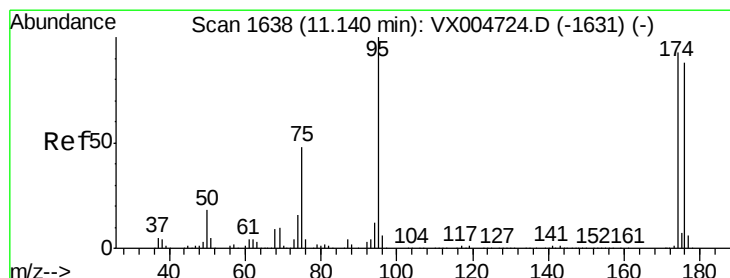
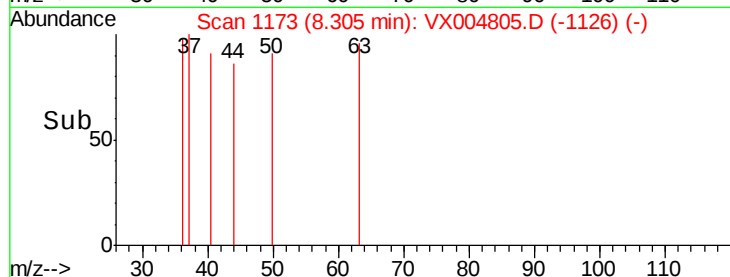
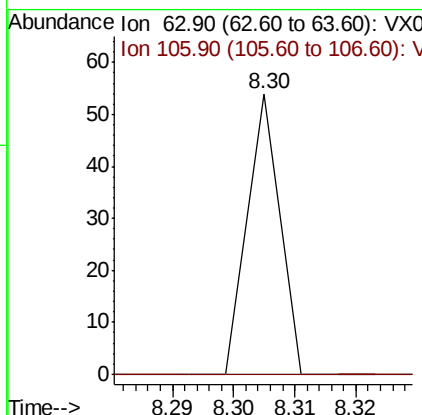
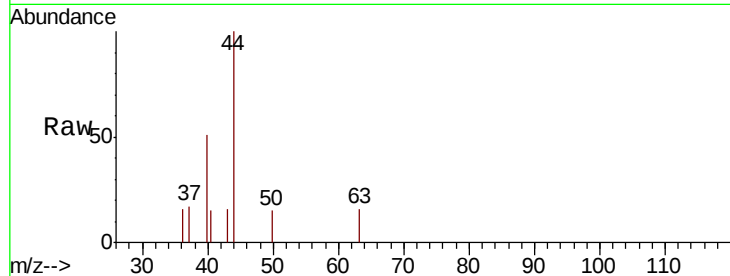




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.249 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

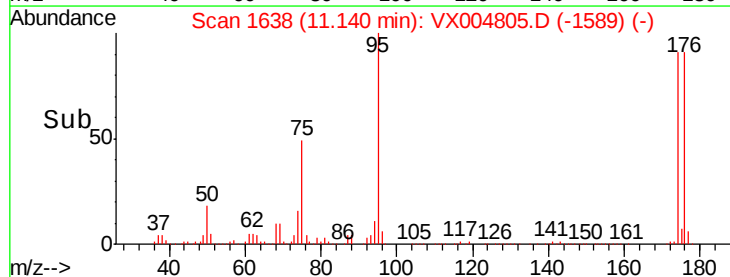
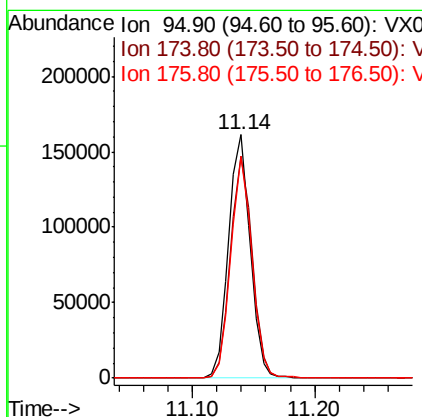
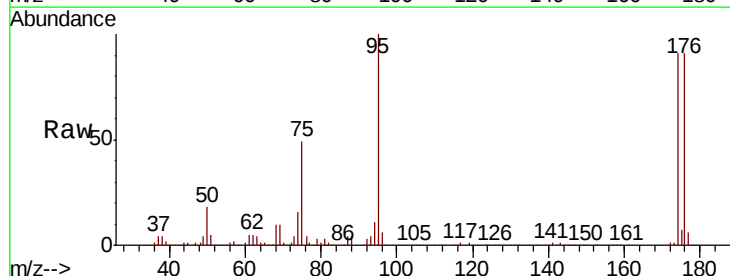
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MH-SW4001-20180918

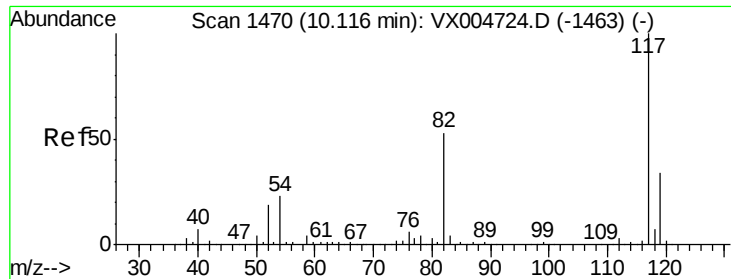
Tot Ion: 63 Resp: 20
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 51.545 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

Tgt Ion: 95 Resp: 196794
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 185.2
 176 88.9 0.0 178.6

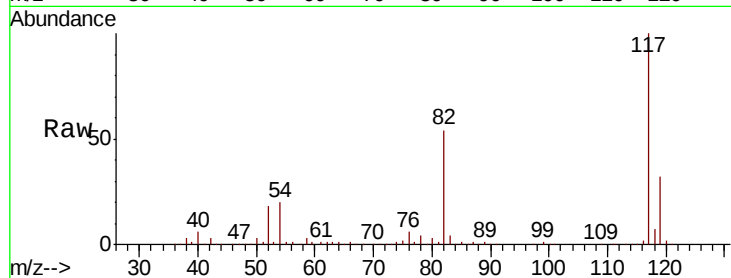




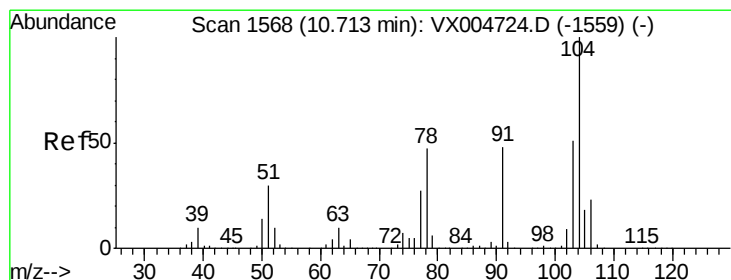
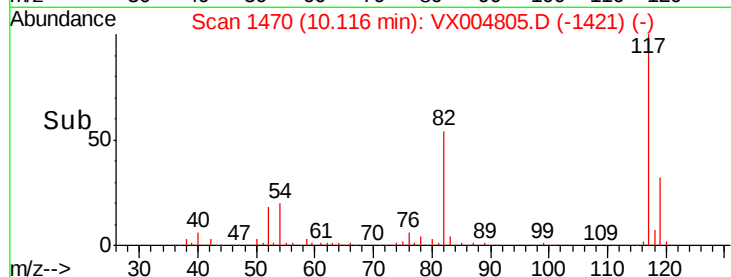
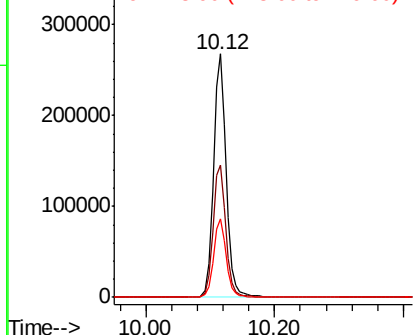
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004805.D
Acq: 28 Sep 2018 05:57

Instrument :
MSVOA_X
ClientSampleId :
BP-MH-SW4001-20180918

Tot Ion:117 Resp: 369823
Ion Ratio Lower Upper
117 100
82 54.2 47.8 71.6
119 32.1 29.3 43.9

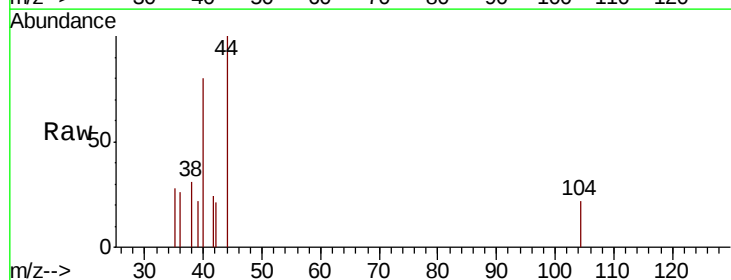


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

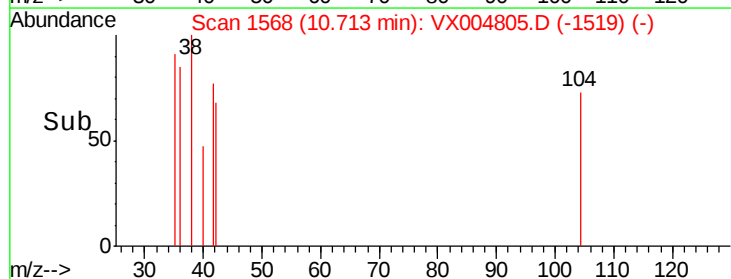
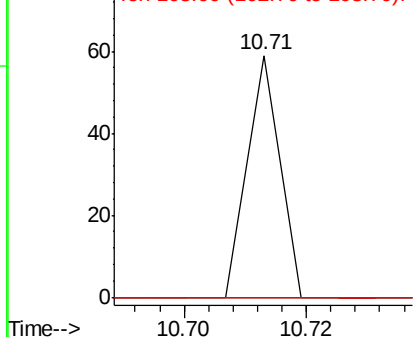


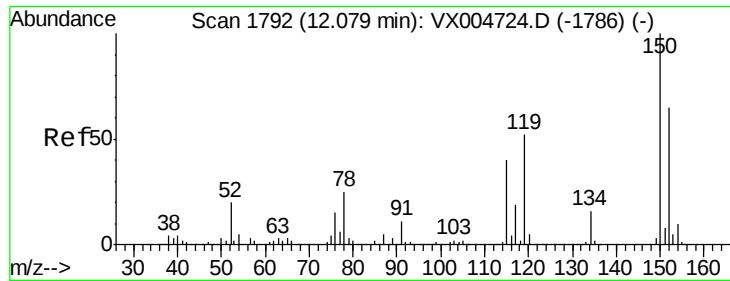
#70
Styrene
Concen: 2.143 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004805.D
Acq: 28 Sep 2018 05:57

Tgt Ion:104 Resp: 22
Ion Ratio Lower Upper
104 100
78 0.0 37.4 56.0#
103 0.0 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



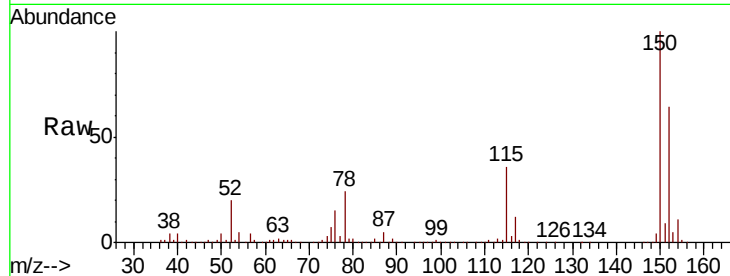


#72

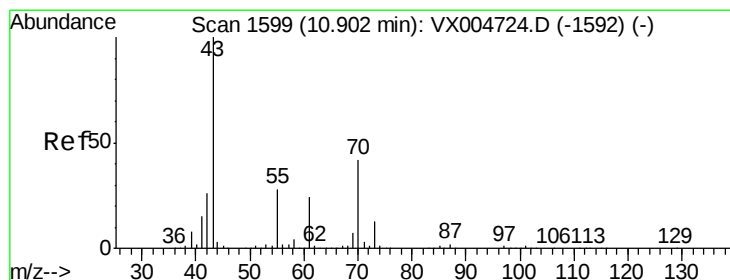
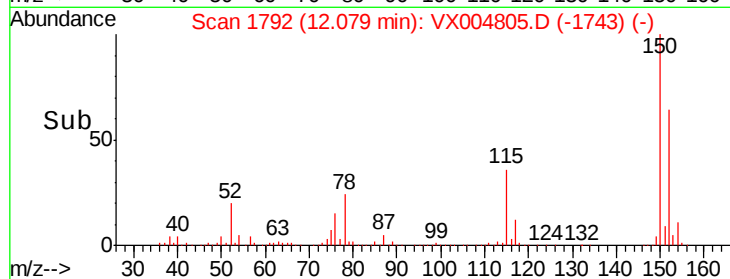
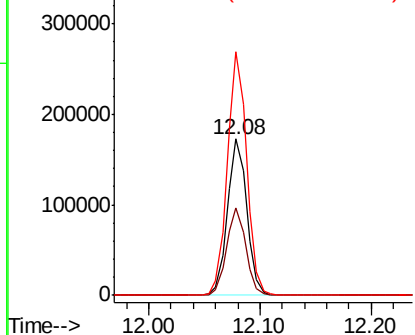
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004805.D
Acq: 28 Sep 2018 05:57

Instrument :
MSVOA_X
ClientSampleId :
BP-MH-SW4001-20180918

Tot Ion:152 Resp: 207397
Ion Ratio Lower Upper
152 100
115 55.5 39.0 117.0
150 155.3 0.0 351.0



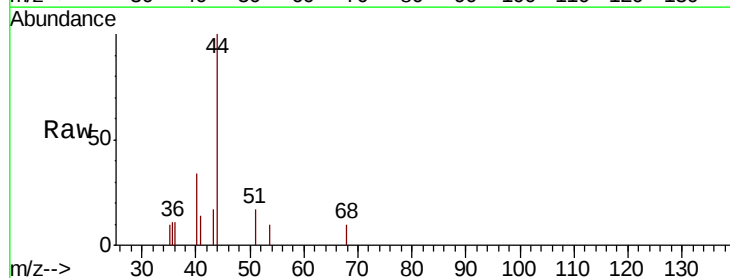
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



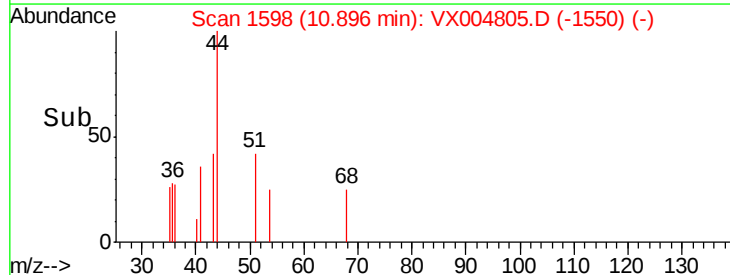
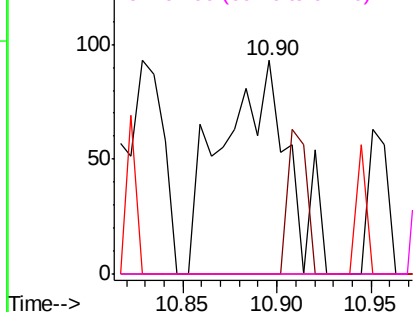
#74

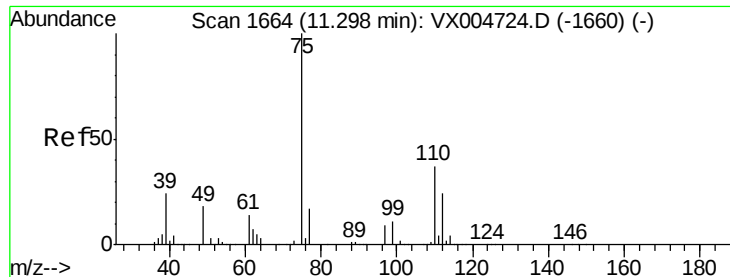
N-ethyl acetate
Concen: 1.779 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX004805.D
Acq: 28 Sep 2018 05:57

Tgt Ion: 43 Resp: 231
Ion Ratio Lower Upper
43 100
70 0.0 37.4 56.0#
55 0.0 21.8 32.8#
61 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

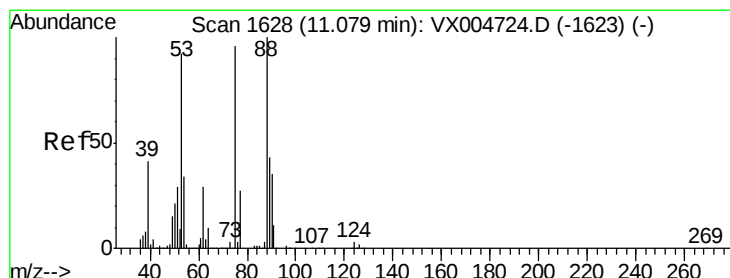
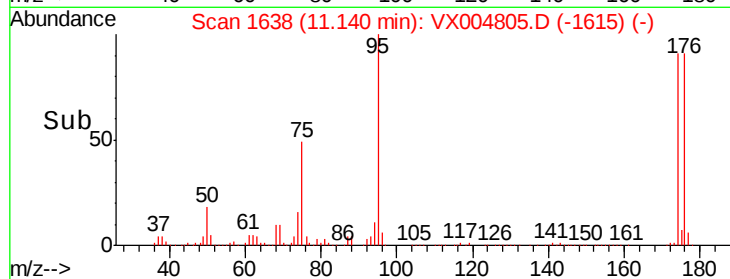
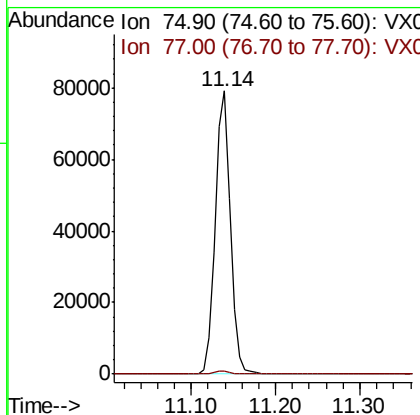
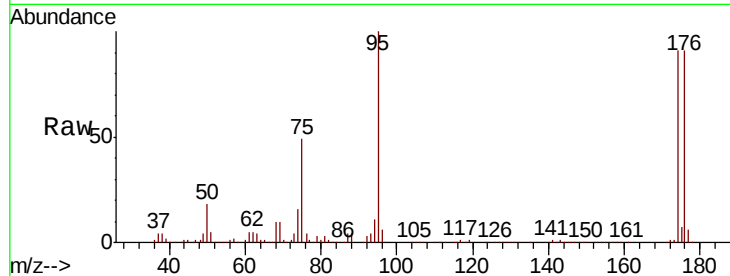




#76
 1,2,3-Trichloropropane
 Concen: 21.297 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

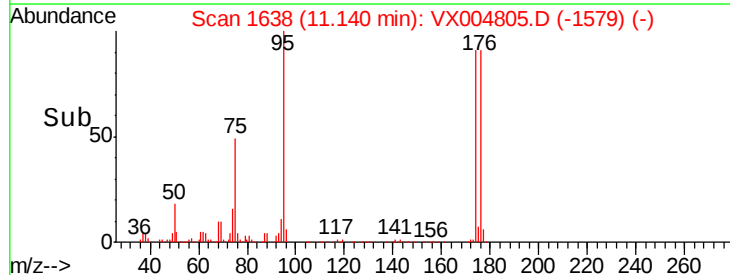
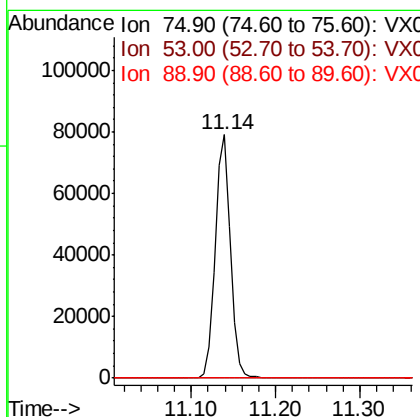
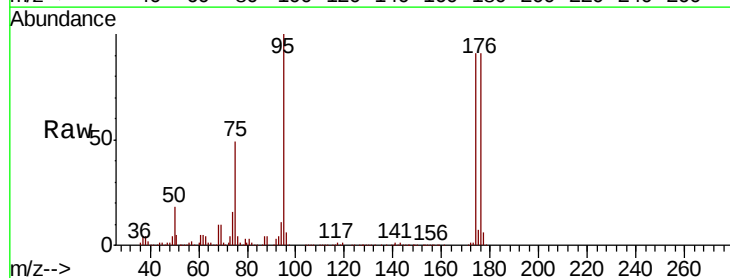
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MH-SW4001-20180918

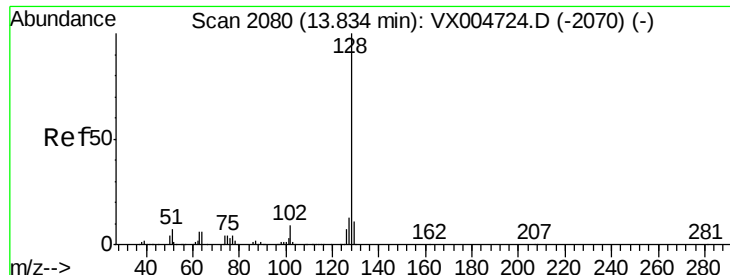
Tot Ion: 75 Resp: 99001
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.764 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004805.D
 Acq: 28 Sep 2018 05:57

Tgt Ion: 75 Resp: 99001
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.730 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX004805.D

Acq: 28 Sep 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-20180918

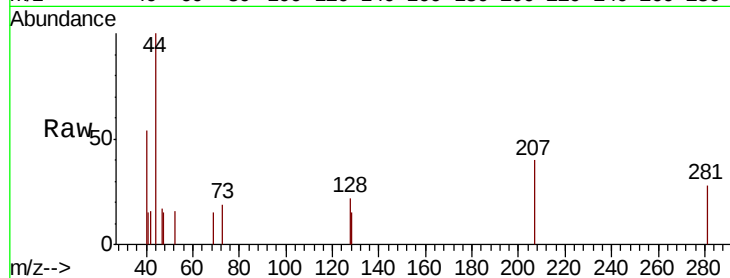
Tot Ion:128 Resp: 181

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

