

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004799.D
 Acq On : 28 Sep 2018 03:17
 Operator : JC/MD
 Sample : J5033-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW314D-20180919

Quant Time: Sep 28 06:05:13 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	5.67	168	231773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218303	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	189113	57.12	ug/l	0.00
Spiked Amount			Recovery	=	114.24%	
35) Dibromofluoromethane	5.50	113	157564	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	8.72	98	567027	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.14	95	207857	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	

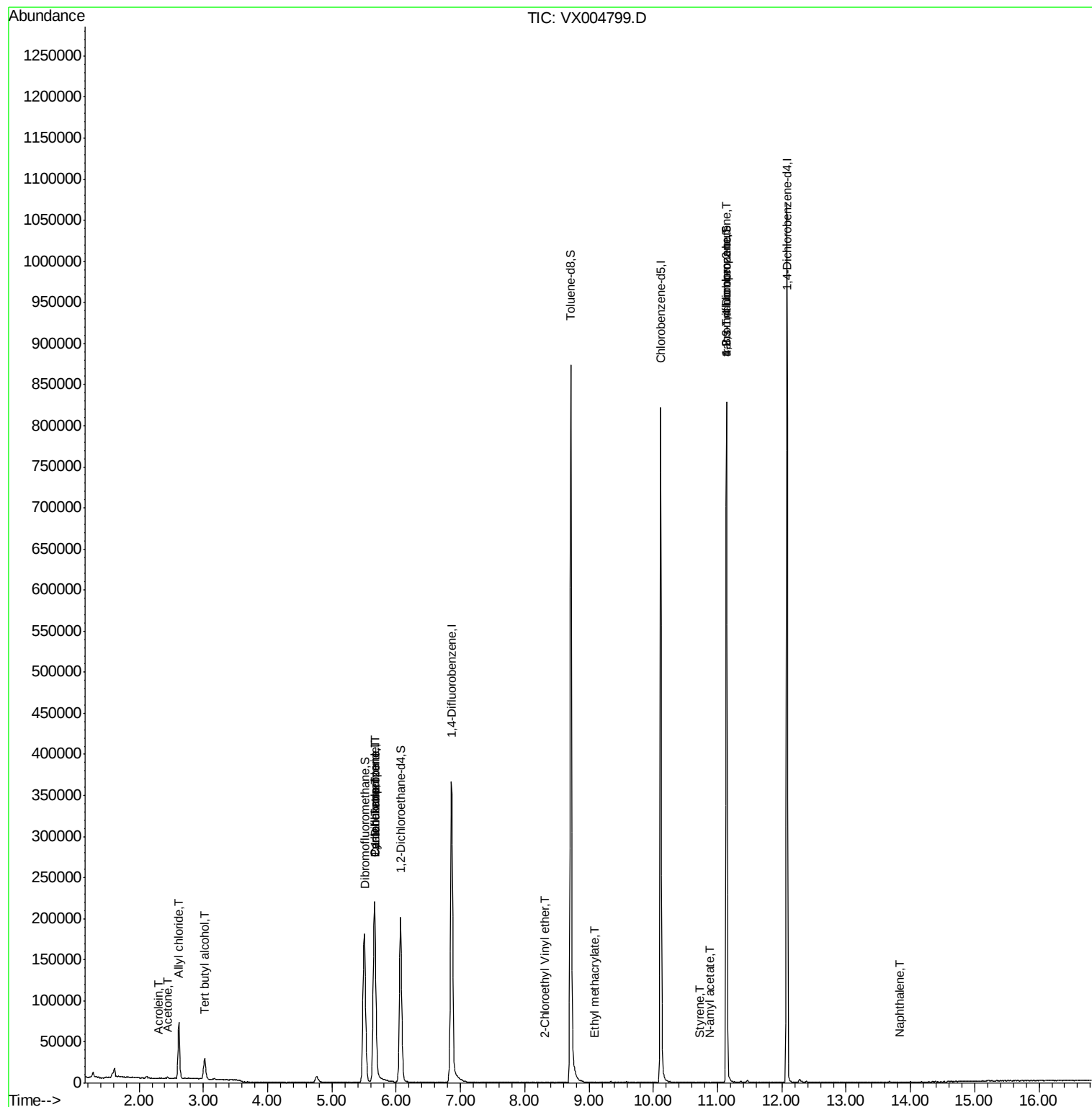
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	385	Below Cal		90
11) Tert butyl alcohol	3.02	59	15746	17.009	ug/l #	76
13) Acrolein	2.30	56	137	0.208	ug/l #	42
14) Allyl chloride	2.62	41	6615	1.207	ug/l #	63
16) Acetone	2.45	43	2184	1.130	ug/l #	85
20) Methylene Chloride	2.85	84	317	Below Cal	#	85
31) Cyclohexane	5.66	56	4605	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16800	3.723	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21061	4.440	ug/l #	15
56) Ethyl methacrylate	9.09	69	22	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	29	14.251	ug/l #	45
70) Styrene	10.73	104	52	2.145	ug/l #	27
74) N-amyl acetate	10.88	43	71	1.757	ug/l #	54
76) 1,2,3-Trichloropropane	11.14	75	103560	21.165	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	27	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	11.14	75	103560	57.418	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	241	Below Cal	#	30
95) Naphthalene	13.83	128	266	0.734	ug/l #	70

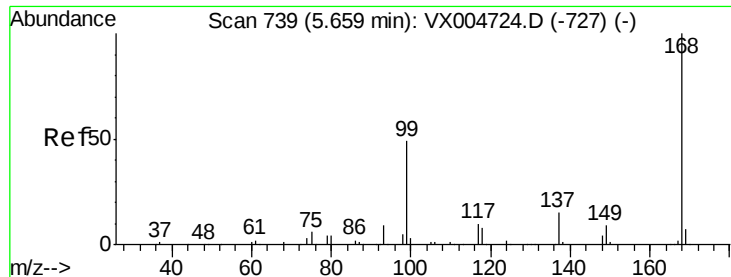
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004799.D

Acq: 28 Sep 2018 03:17

Instrument :

MSVOA_X

ClientSampleId :

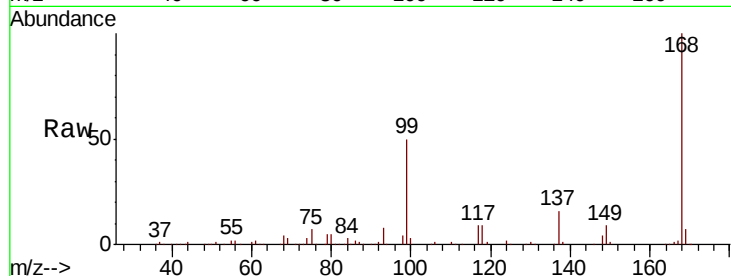
BPSI-TT-MW314D-20180919

Tot Ion:168 Resp: 231773

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

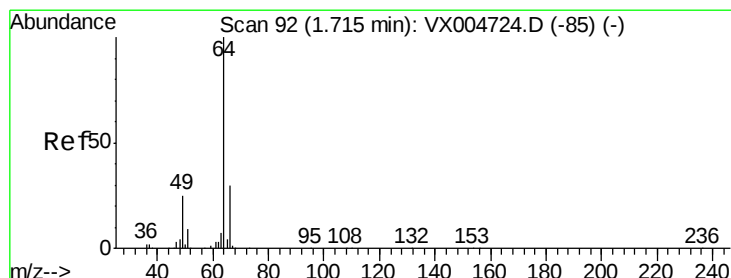
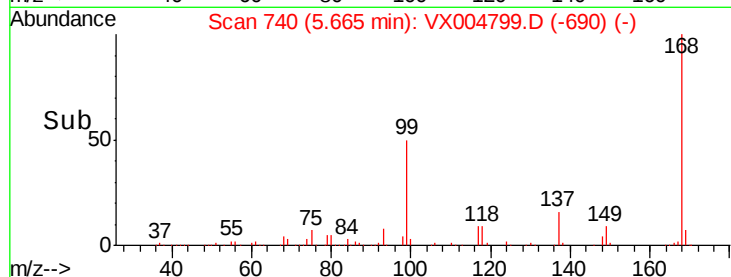
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX004799.D

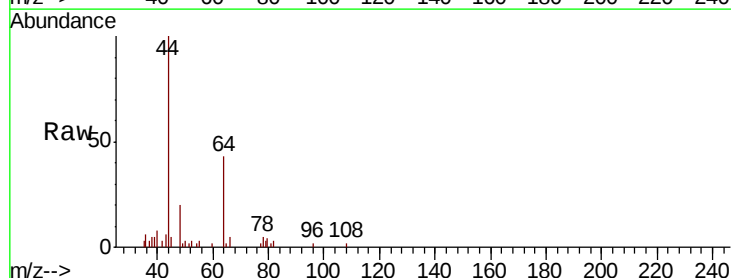
Acq: 28 Sep 2018 03:17

Tgt Ion: 64 Resp: 385

Ion Ratio Lower Upper

64 100

66 25.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

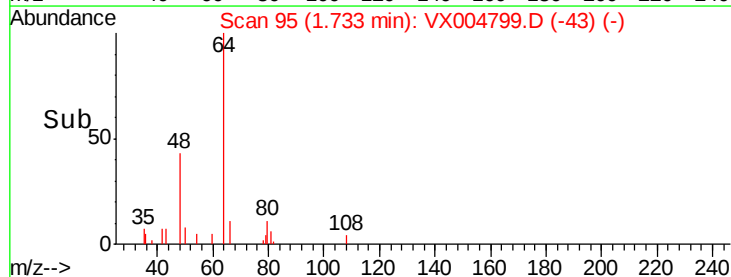
1500

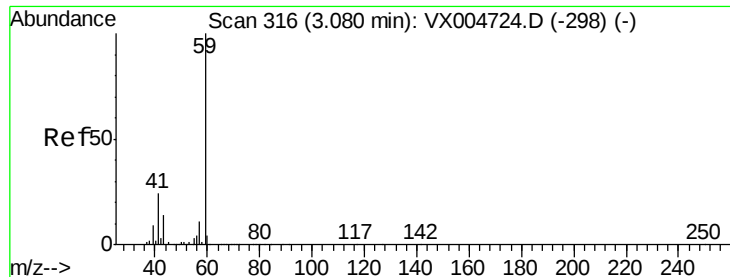
1000

500

0

Time--> 1.70 1.72 1.74 1.76



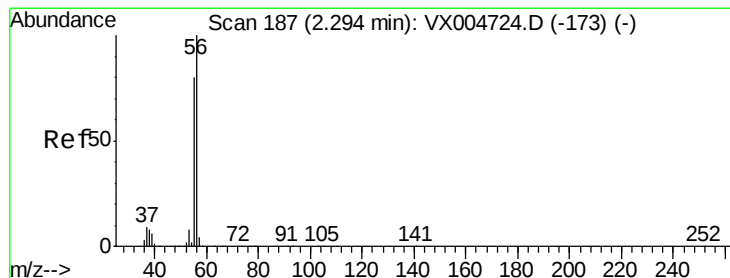
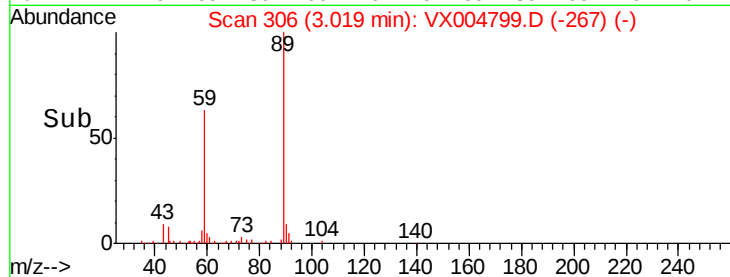
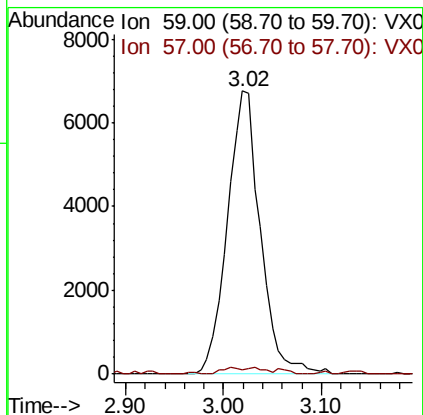
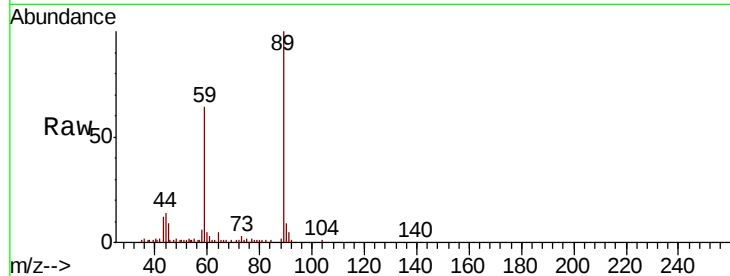


#11

Tert butyl alcohol
 Concen: 17.009 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW314D-20180919

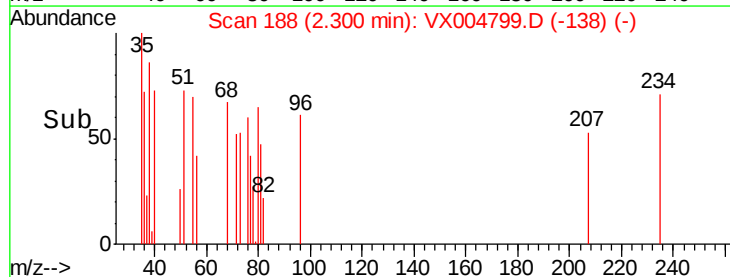
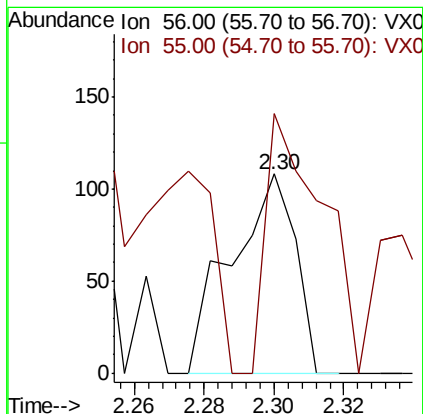
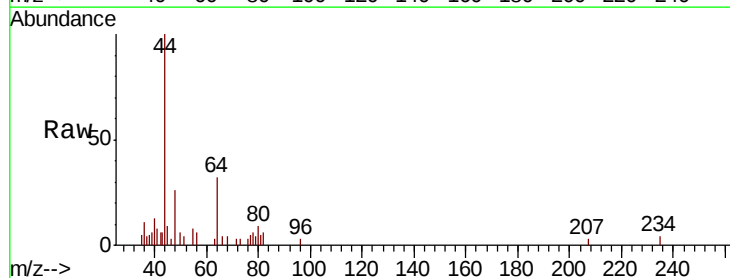
Tot Ion: 59 Resp: 15746
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.2 12.4#

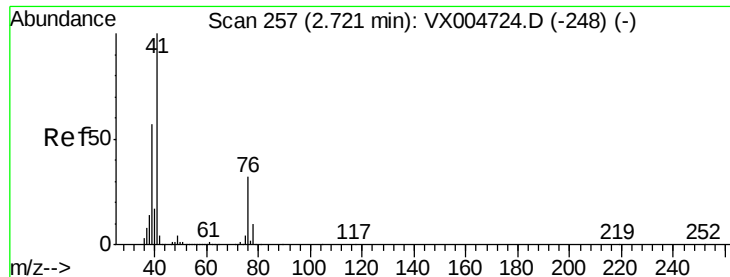


#13

Acrolein
 Concen: 0.208 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

Tgt Ion: 56 Resp: 137
 Ion Ratio Lower Upper
 56 100
 55 115.3 54.7 82.1#





#14

Allvl chloride

Concen: 1.207 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX004799.D

Acq: 28 Sep 2018 03:17

Instrument :

MSVOA_X

ClientSampleId :

BPSI-TT-MW314D-20180919

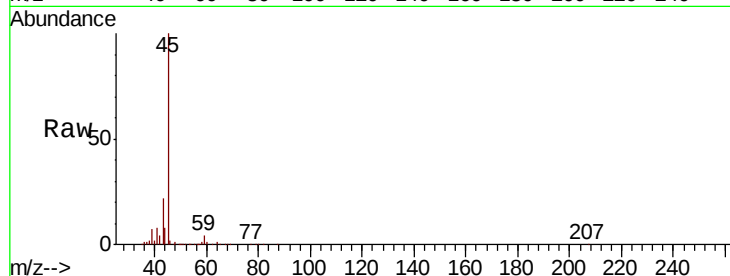
Tot Ion: 41 Resp: 6615

Ion Ratio Lower Upper

41 100

39 79.9 48.9 73.3#

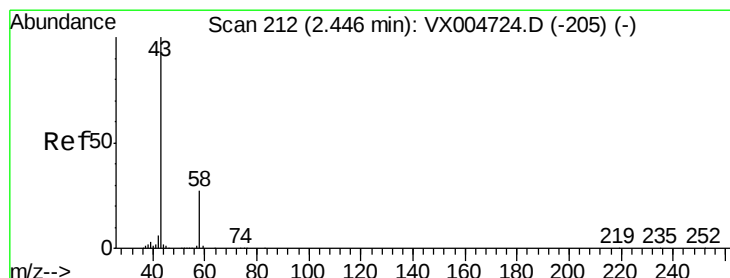
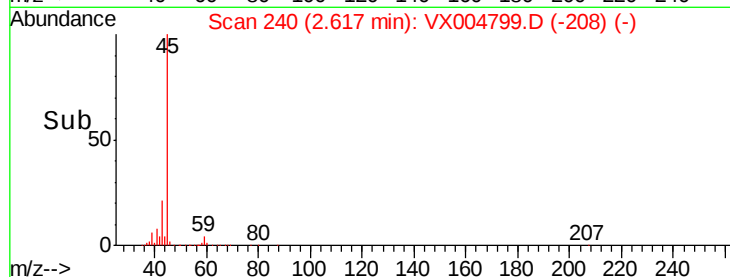
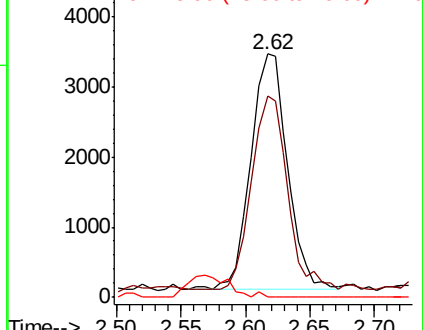
76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 1.130 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004799.D

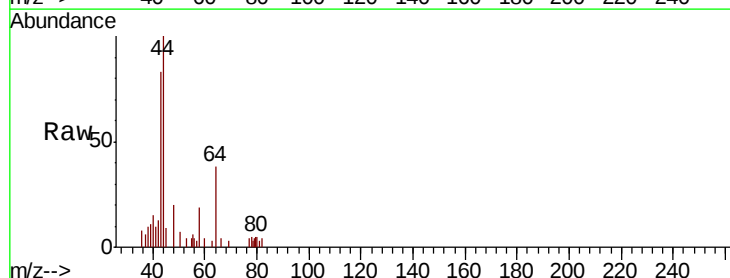
Acq: 28 Sep 2018 03:17

Tgt Ion: 43 Resp: 2184

Ion Ratio Lower Upper

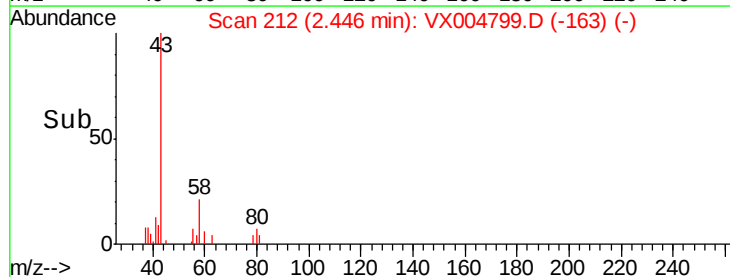
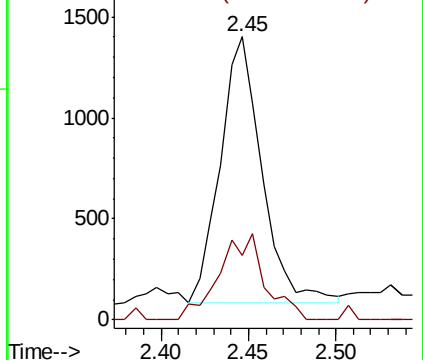
43 100

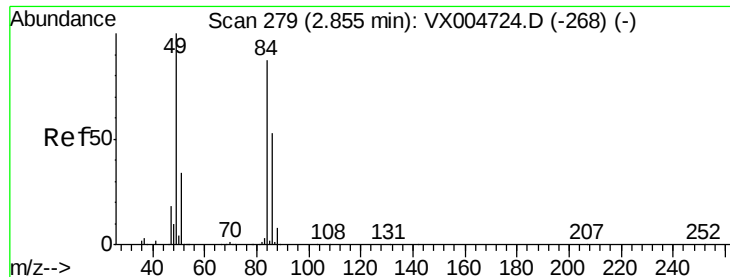
58 24.2 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

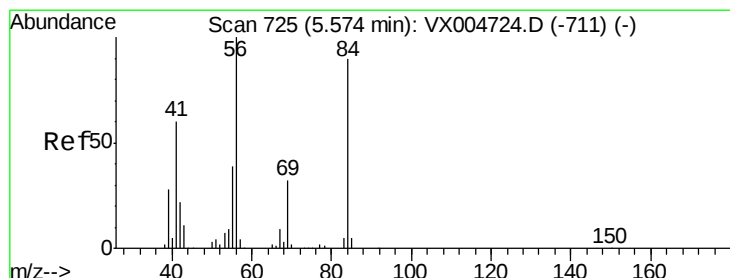
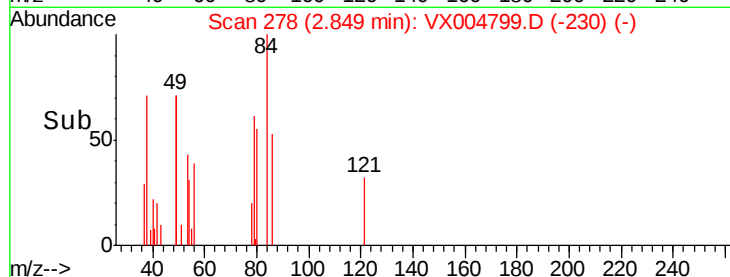
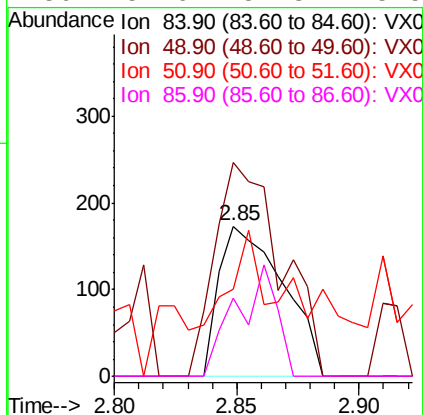
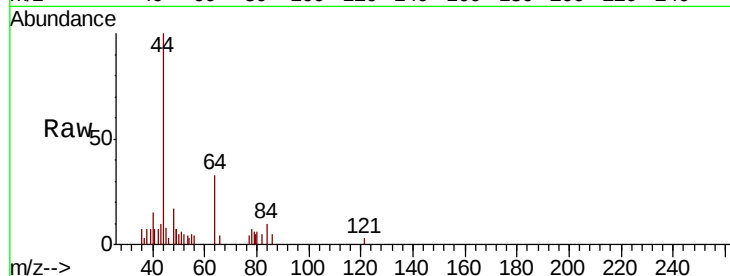




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

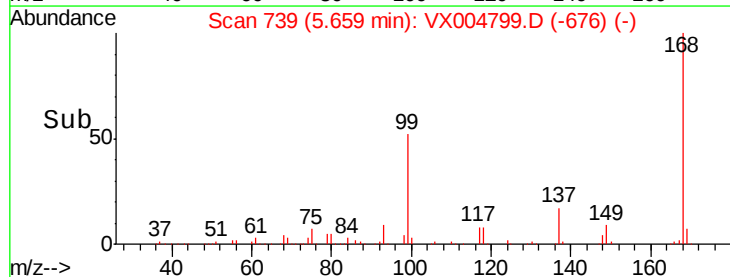
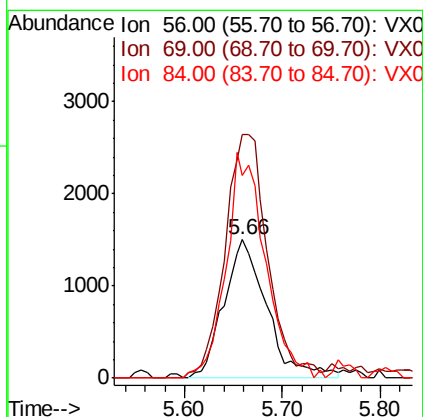
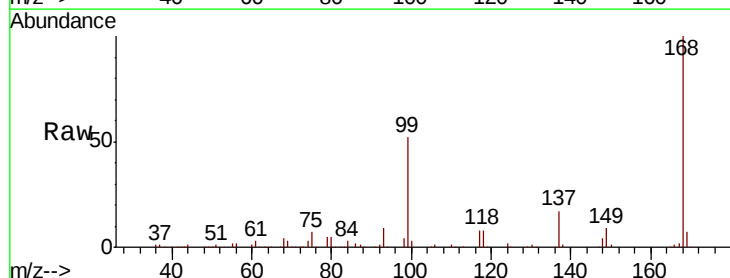
Instrument :
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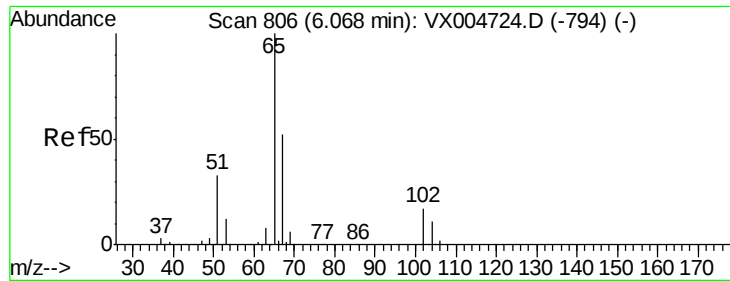
Tot Ion: 84 Resp: 317
Ion Ratio Lower Upper
84 100
49 142.2 101.2 151.8
51 27.7 29.5 44.3#
86 52.6 52.3 78.5



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

Tgt Ion: 56 Resp: 4605
Ion Ratio Lower Upper
56 100
69 171.3 25.4 38.2#
84 142.5 71.4 107.2#

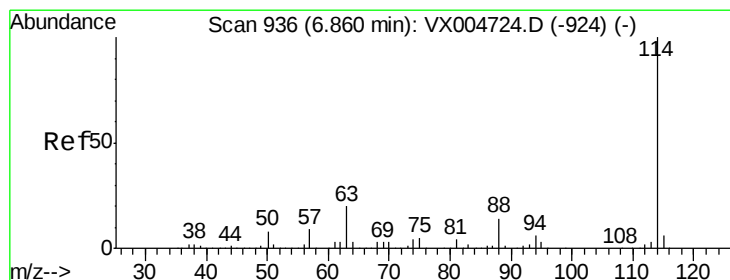
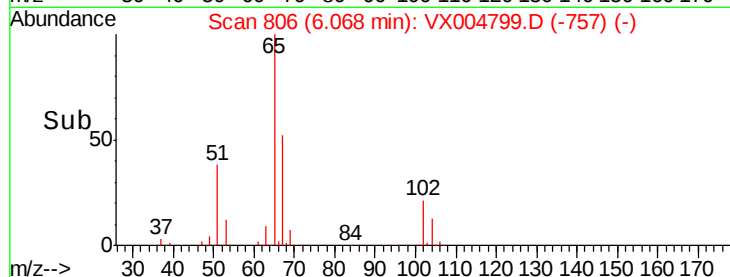
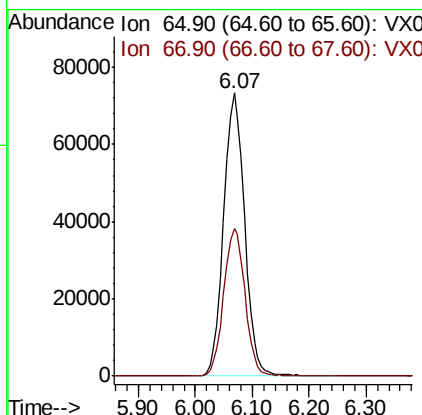
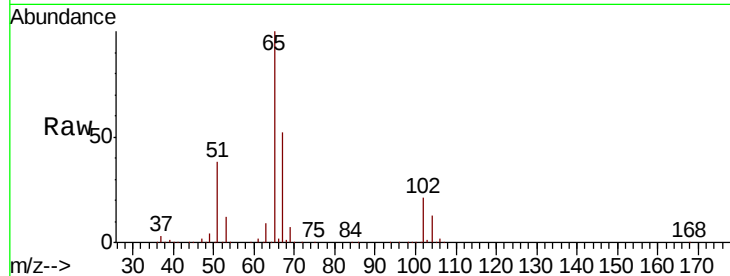




#33
 1,2-Dichloroethane-d4
 Concen: 57.119 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

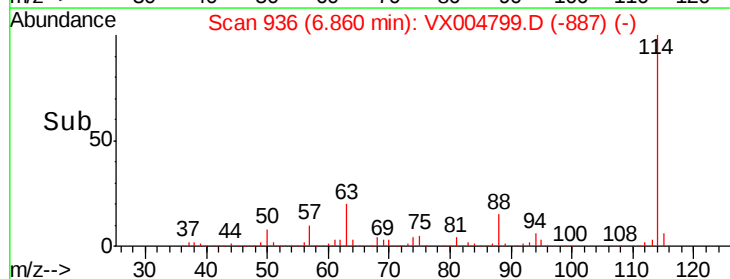
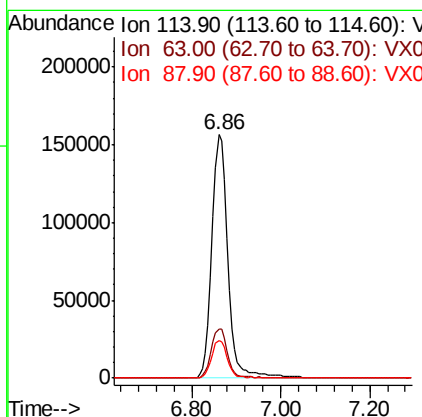
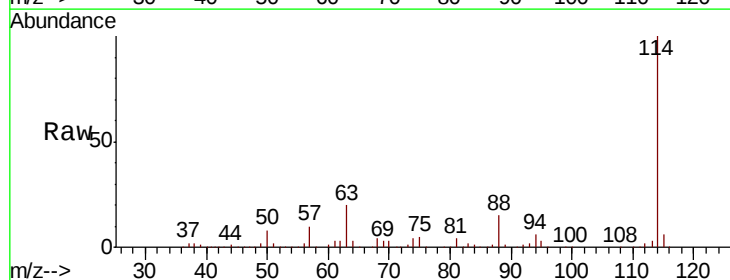
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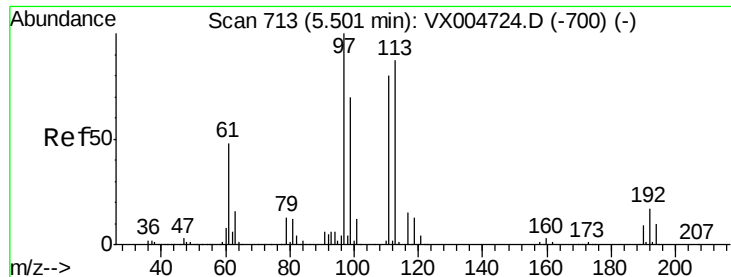
Tot Ion: 65 Resp: 189113
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

Tgt Ion: 114 Resp: 390218
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.2 0.0 30.4

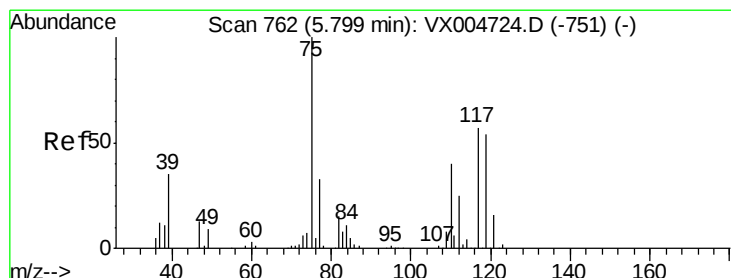
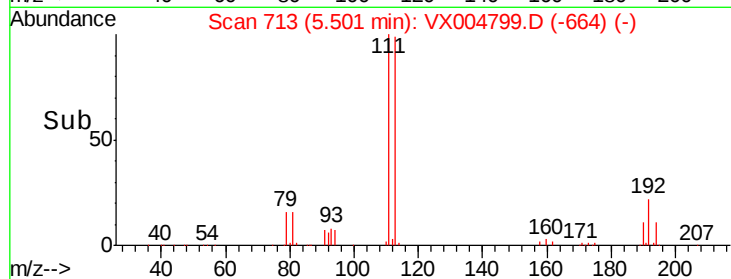
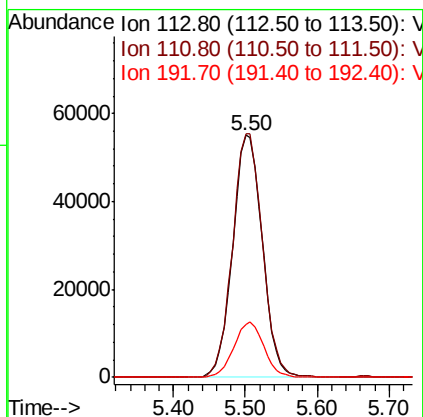
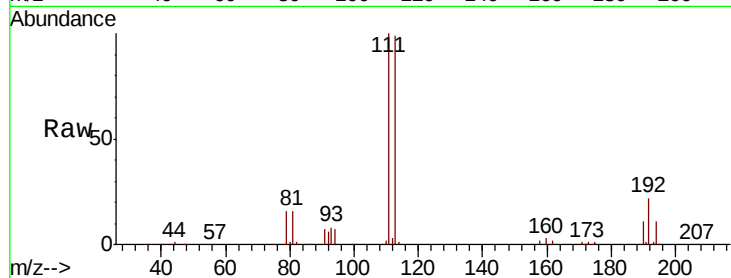




#35
 Dibromofluoromethane
 Concen: 47.643 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

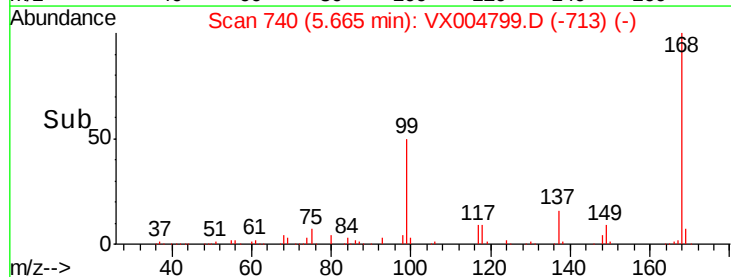
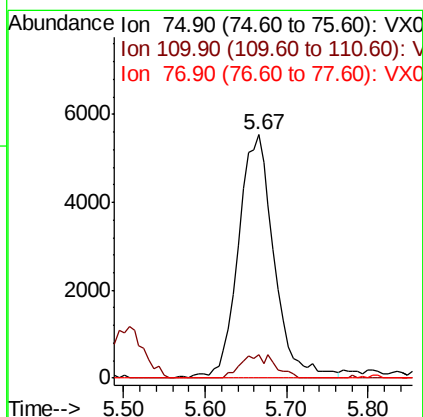
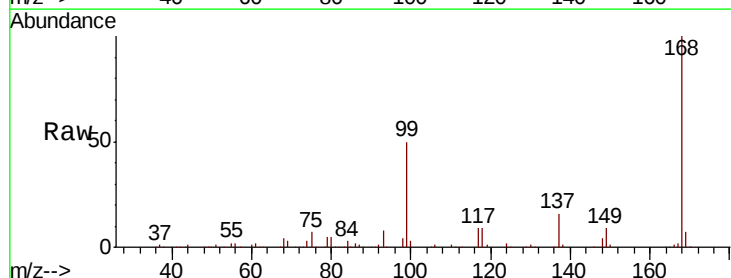
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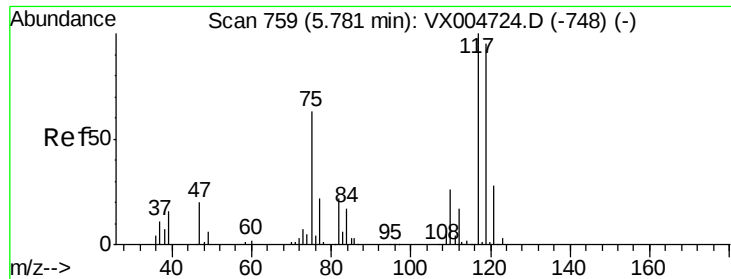
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.4	123.6
192	23.0	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.723 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.0	54.0#
77	0.0	24.6	36.8#

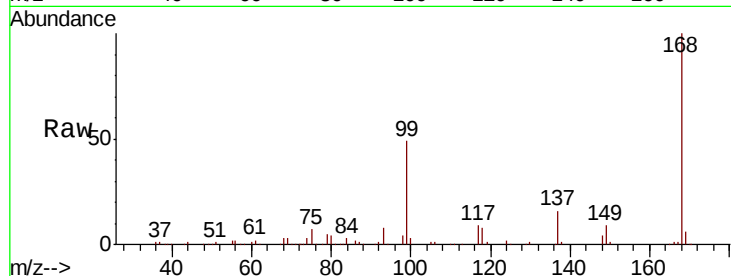




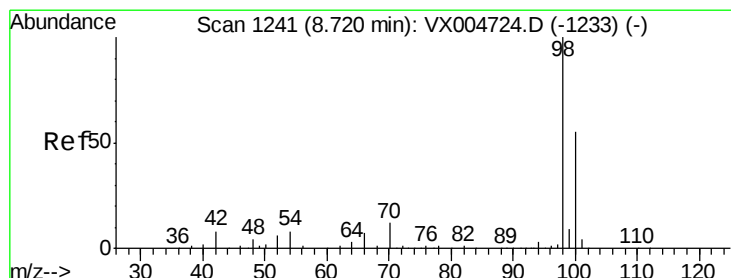
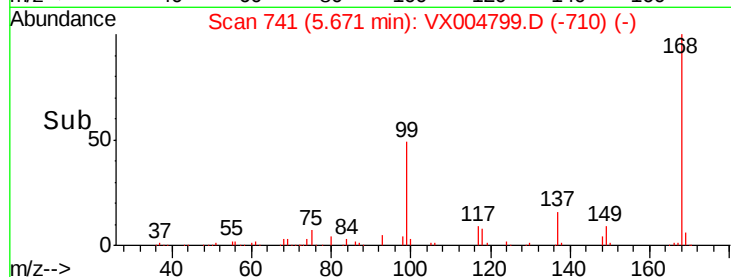
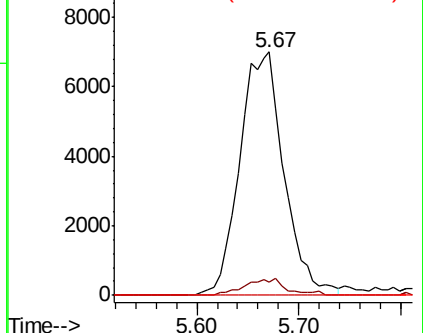
#38
Carbon Tetrachloride
Concen: 4.440 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.11 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW314D-20180919

Tot Ion:117 Resp: 21061
Ion Ratio Lower Upper
117 100
119 5.4 78.8 118.2#
121 0.0 24.9 37.3#

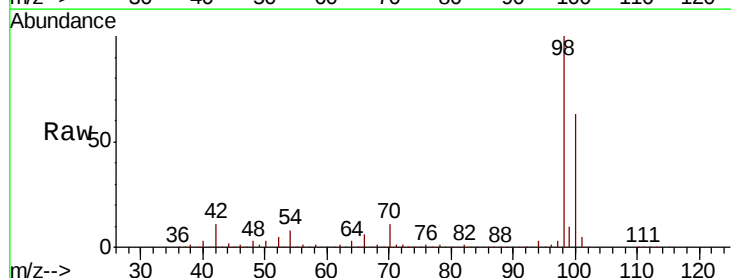


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

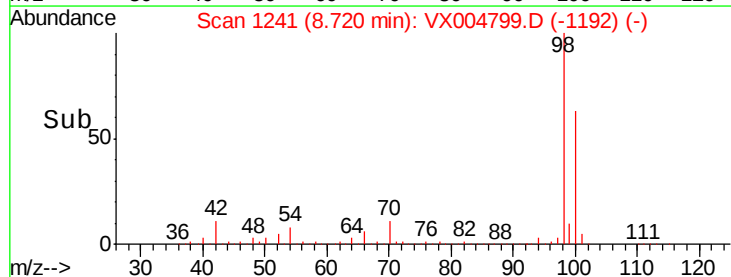
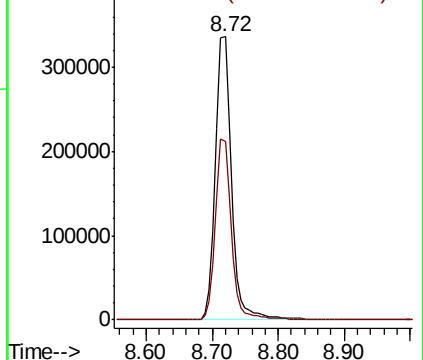


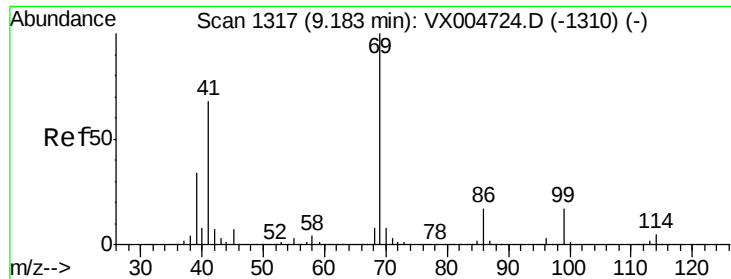
#50
Toluene-d8
Concen: 51.573 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

Tgt Ion: 98 Resp: 567027
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

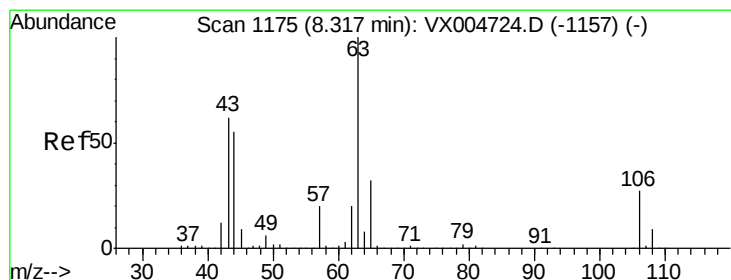
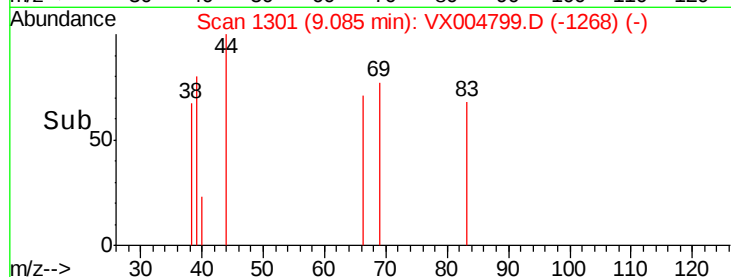
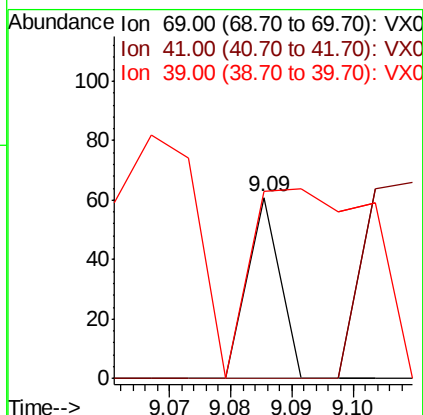
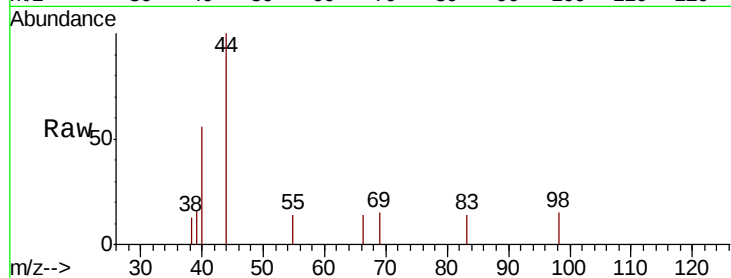




#56
 Ethyl methacrylate
 Concen: 2.866 ug/l
 RT: 9.09 min Scan# 1301
 Delta R.T. -0.10 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

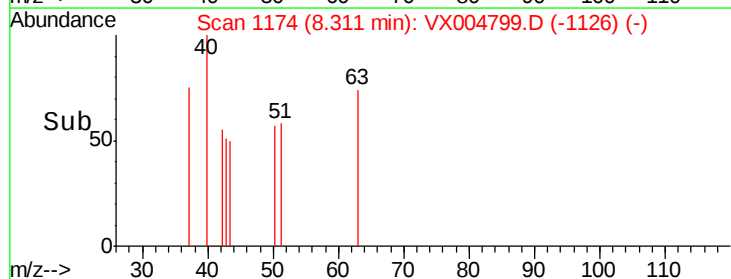
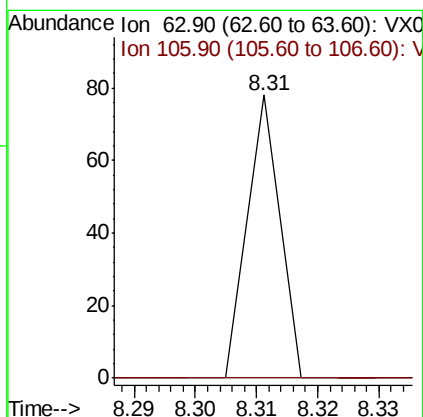
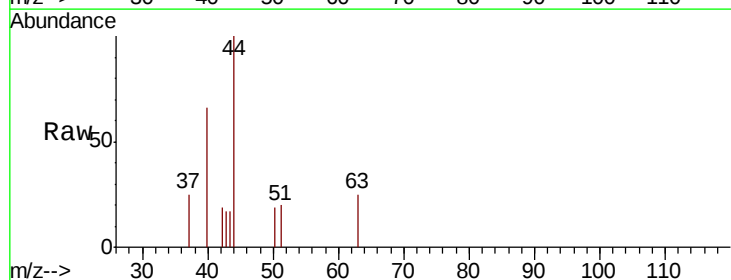
Instrument :
 MSVOA_X
 ClientSampleID :
 BPSI-TT-MW314D-20180919

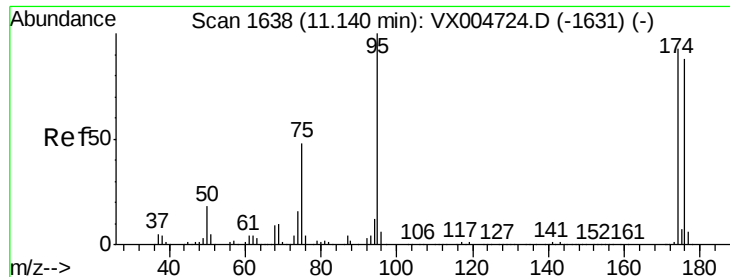
Tot Ion: 69 Resp: 22
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.0 76.4#
 39 404.5 26.1 39.1#



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.251 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004799.D
 Acq: 28 Sep 2018 03:17

Tgt Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

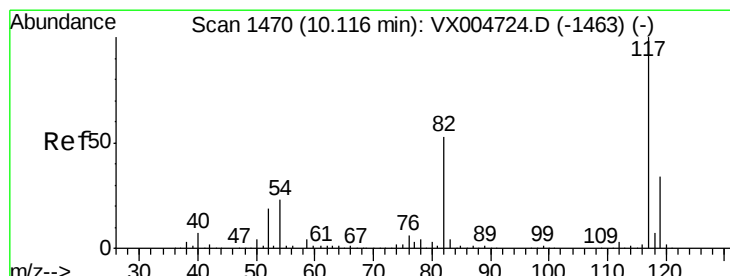
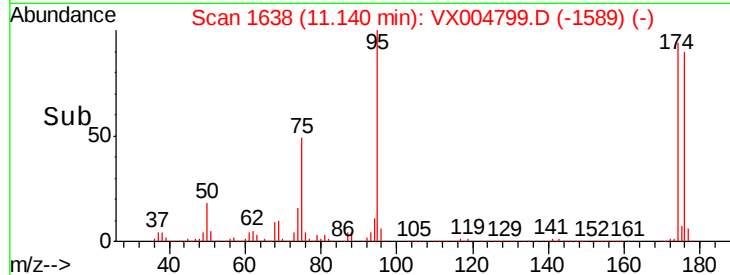
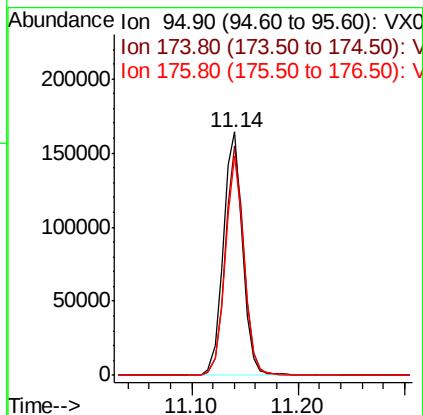
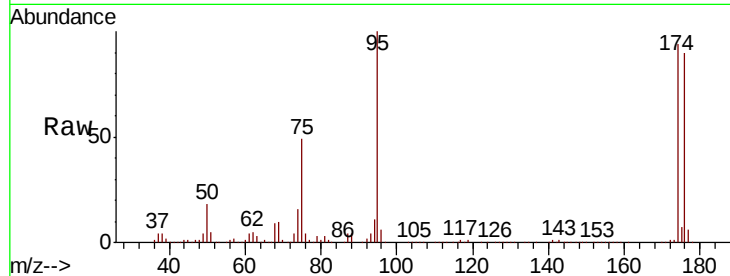




#62
4-Bromofluorobenzene
Concen: 52.478 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

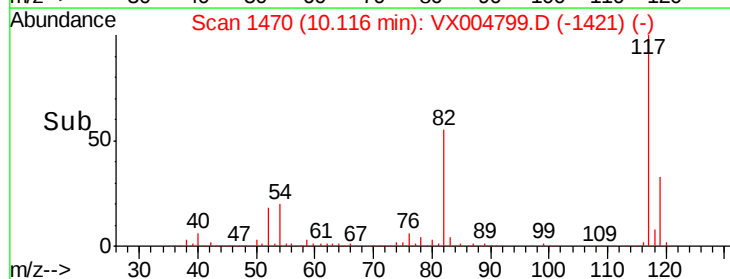
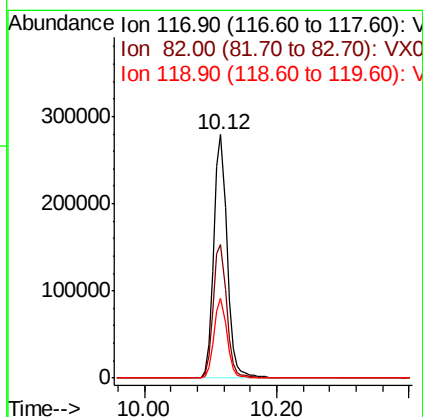
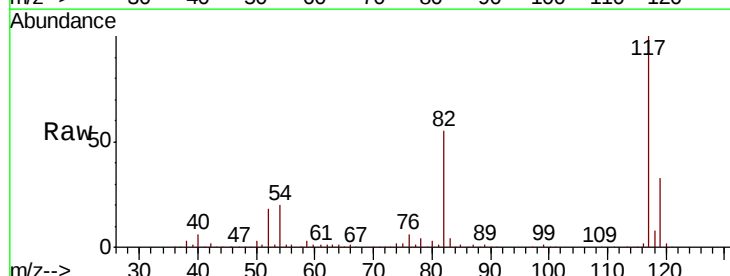
Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW314D-20180919

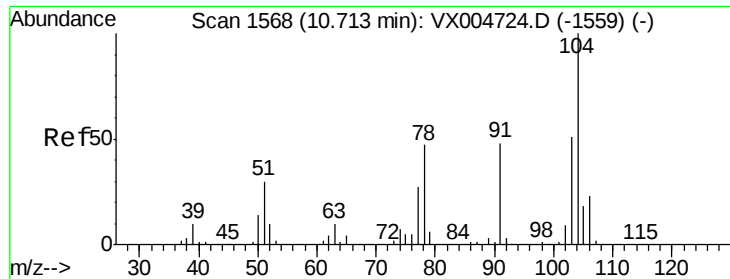
Tot Ion: 95 Resp: 207857
Ion Ratio Lower Upper
95 100
174 91.8 0.0 185.2
176 88.0 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

Tgt Ion: 117 Resp: 385380
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 32.5 29.3 43.9

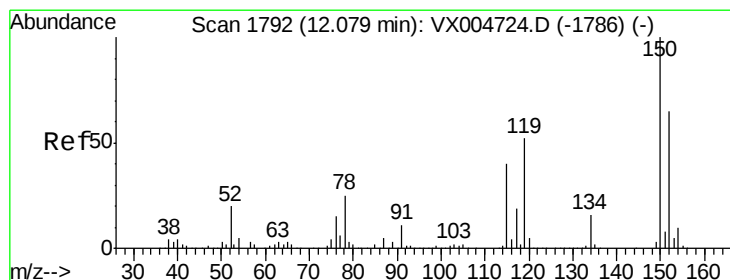
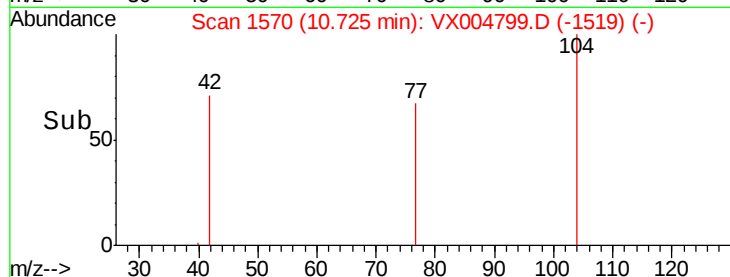
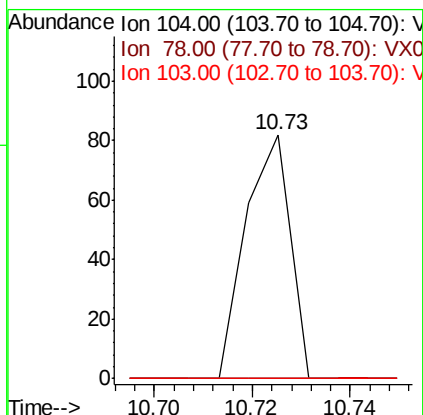
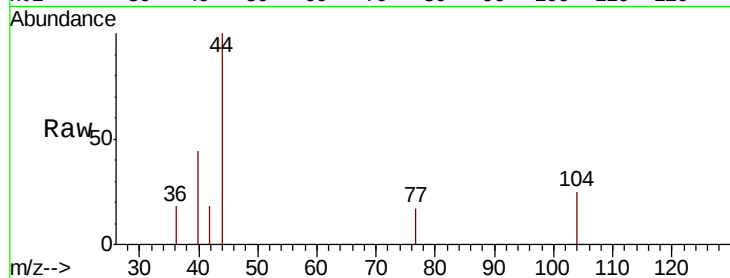




#70
Stvrene
Concen: 2.145 ug/l
RT: 10.73 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

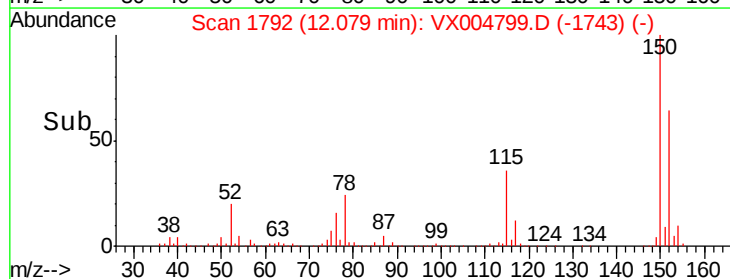
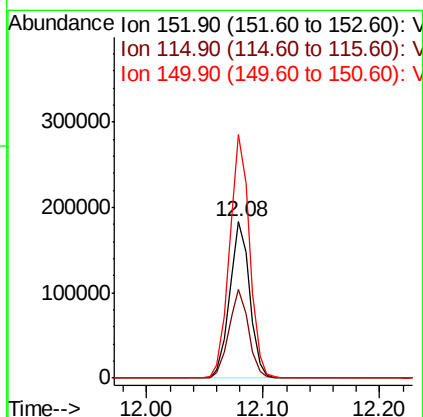
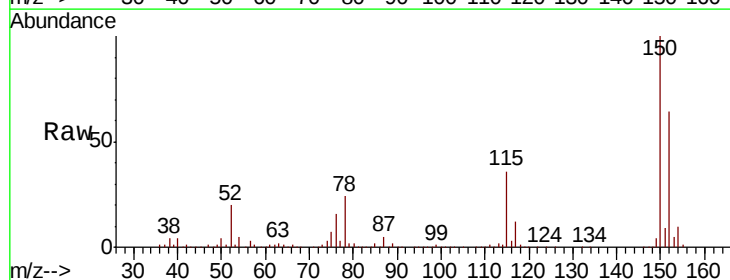
Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW314D-20180919

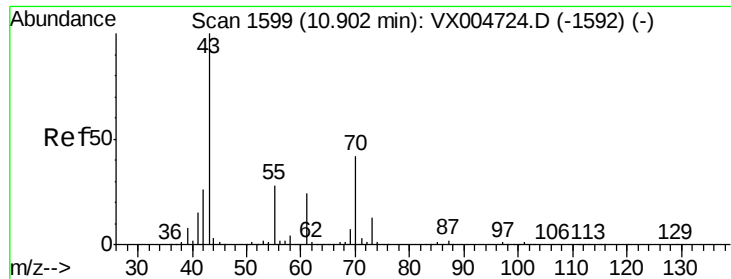
Tot Ion:104 Resp: 52
Ion Ratio Lower Upper
104 100
78 0.0 37.4 56.0#
103 0.0 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

Tgt Ion:152 Resp: 218303
Ion Ratio Lower Upper
152 100
115 56.2 39.0 117.0
150 156.2 0.0 351.0





#74

N-amvl acetate

Concen: 1.757 ug/l

RT: 10.88 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VX004799.D

Acq: 28 Sep 2018 03:17

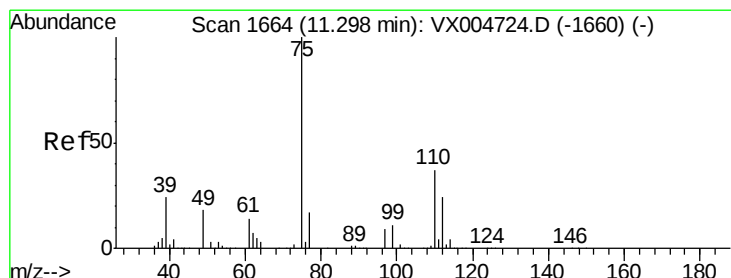
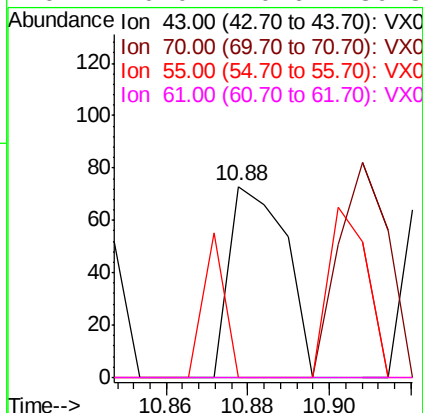
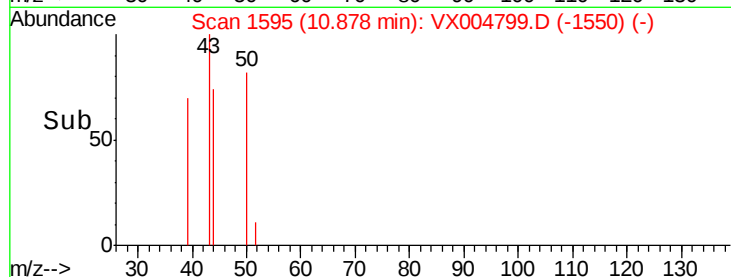
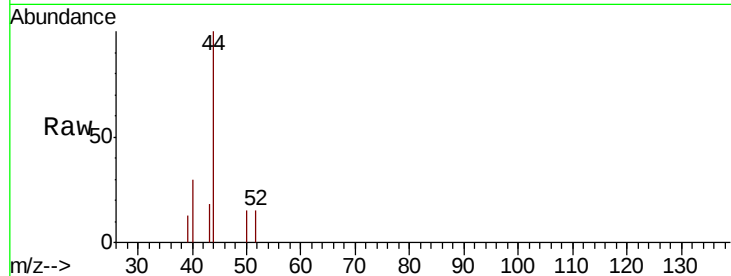
Instrument :

MSVOA_X

ClientSampleId :

BPSI-TT-MW314D-20180919

Tot Ion:	43	Resp:	71
Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.4	56.0#
55	28.2	21.8	32.8
61	0.0	20.6	30.8#



#76

1,2,3-Trichloropropane

Concen: 21.165 ug/l

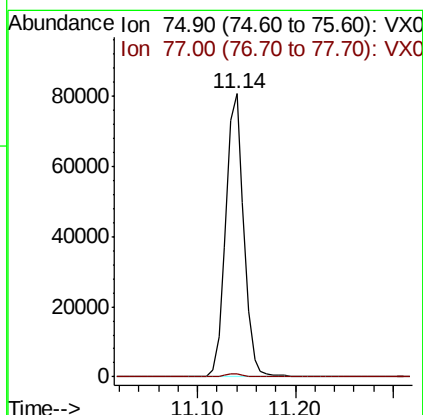
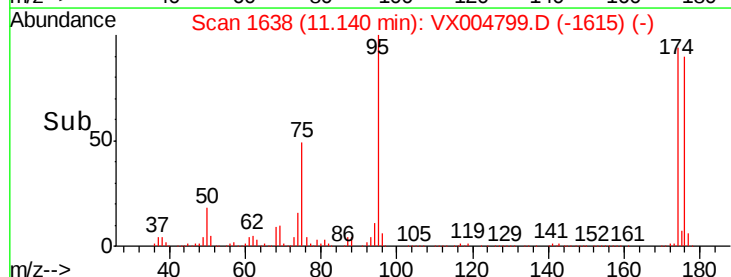
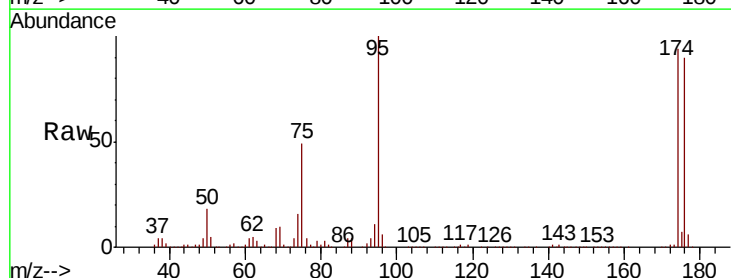
RT: 11.14 min Scan# 1638

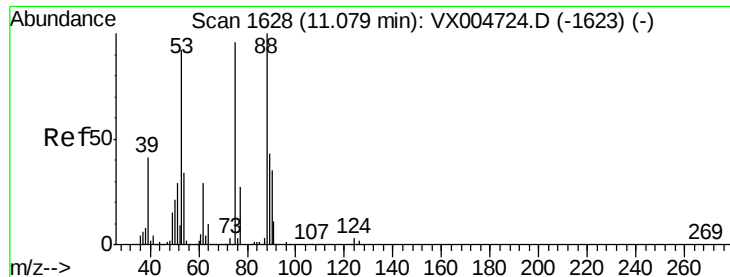
Delta R.T. -0.16 min

Lab File: VX004799.D

Acq: 28 Sep 2018 03:17

Tgt Ion:	75	Resp:	103560
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.2	60.6#

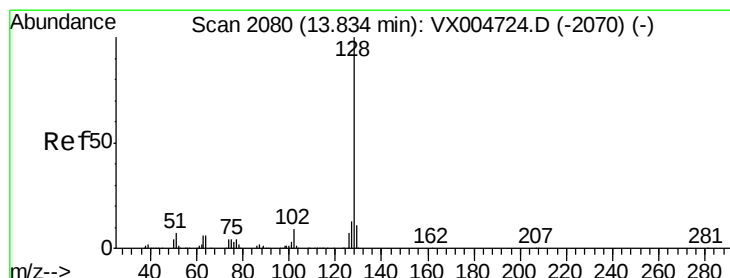
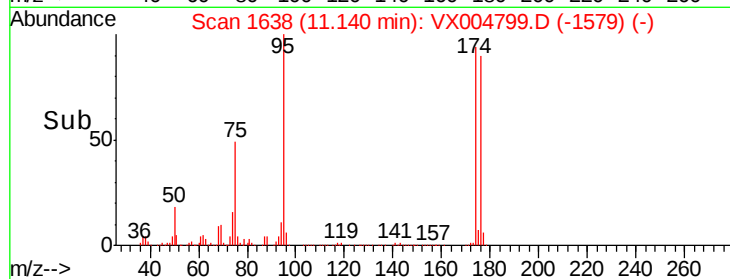
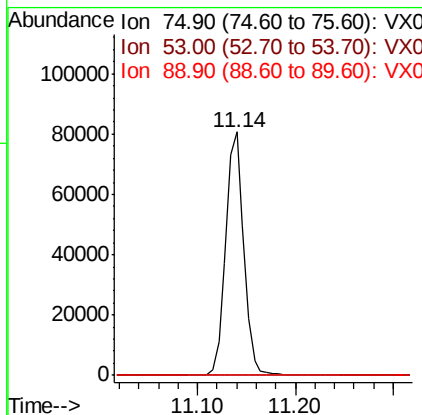
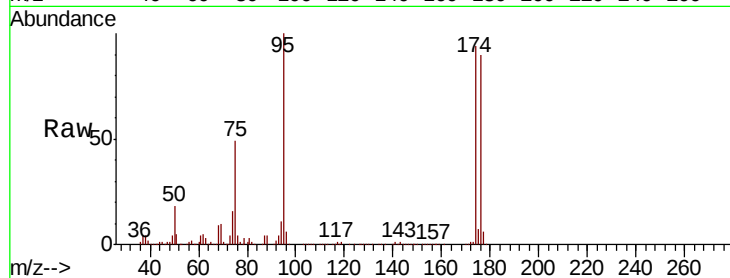




#81
trans-1,4-Dichloro-2-butene
Concen: 57.418 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW314D-20180919

Tot Ion: 75 Resp: 103560
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.734 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004799.D
Acq: 28 Sep 2018 03:17

Tgt Ion:128 Resp: 266
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 12.8#

