

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056222.D
 Acq On : 11 Jun 2019 14:47
 Operator : JC/SP
 Sample : K3284-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW308S-20190609

Quant Time: Jun 12 06:34:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	302383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	447267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	156474	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	7.59	113	146575	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
50) Toluene-d8	10.09	98	578168	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.40	95	180698	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

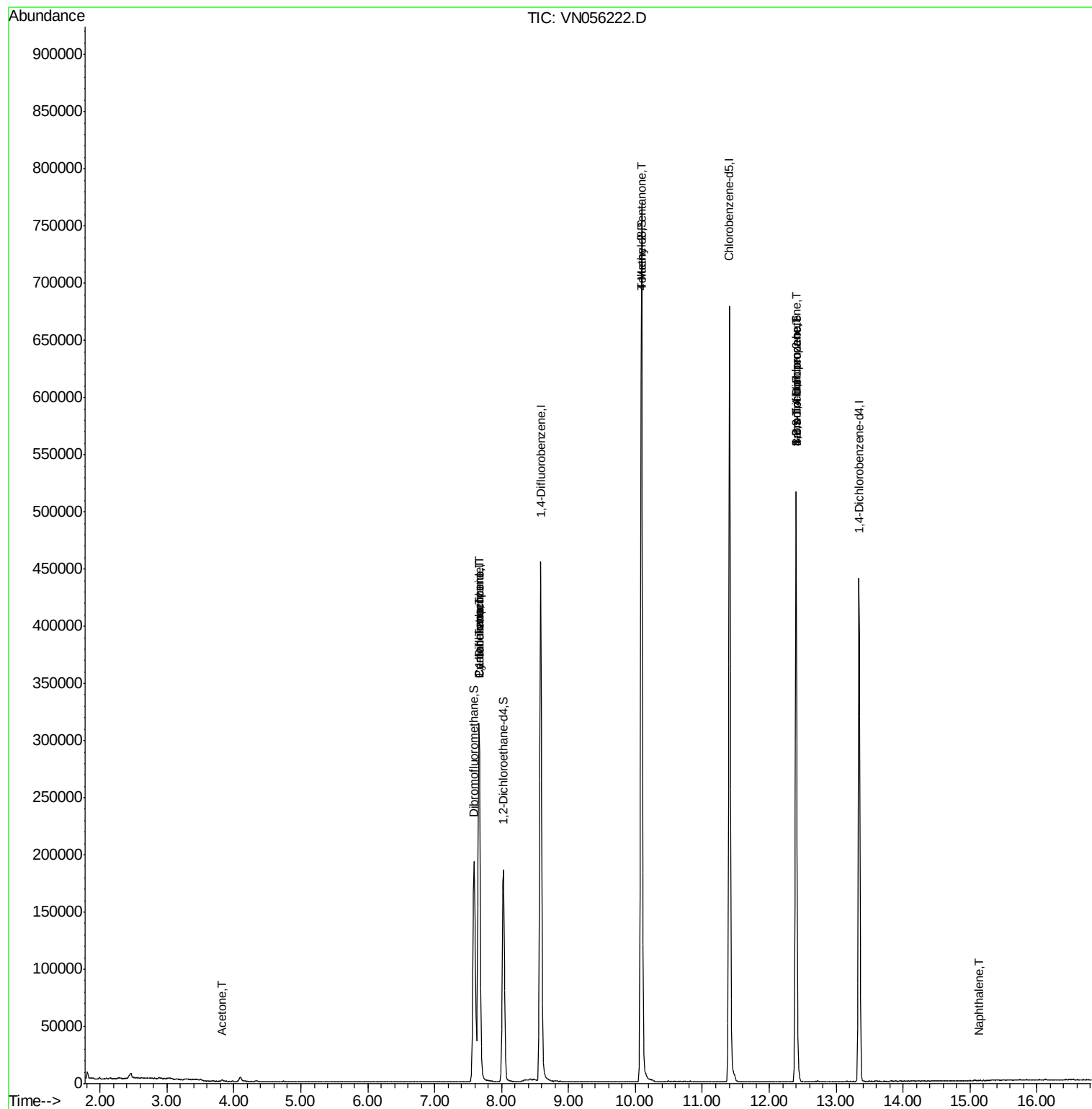
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	2532	1.763	ug/l #	88
18) Methyl Acetate	4.33	43	684	Below Cal	#	51
31) Cyclohexane	7.66	56	3998	0.839	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	16957	4.409	ug/l #	48
38) Carbon Tetrachloride	7.66	117	24258	6.842	ug/l #	15
51) 4-Methyl-2-Pentanone	10.09	43	2422	0.698	ug/l #	1
71) Bromoform	12.40	173	1326	3.233	ug/l #	1
73) Isopropylbenzene	12.40	105	159	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	82960	32.467	ug/l #	100
79) 2-Chlorotoluene	12.40	91	501	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82960	108.123	ug/l #	15
95) Naphthalene	15.13	128	100	3.865	ug/l #	69

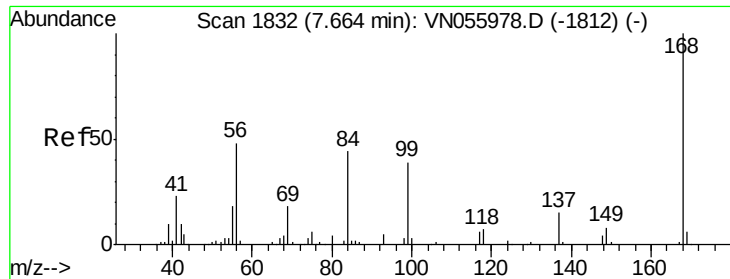
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056222.D

Acq: 11 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

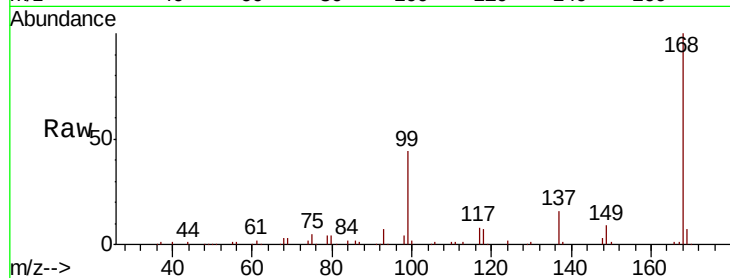
BPS1-TT-MW308S-20190609

Tot Ion:168 Resp: 302383

Ion Ratio Lower Upper

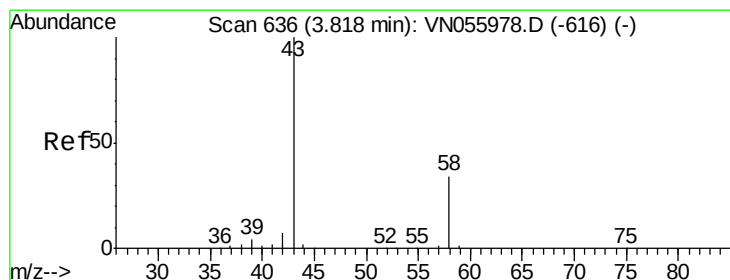
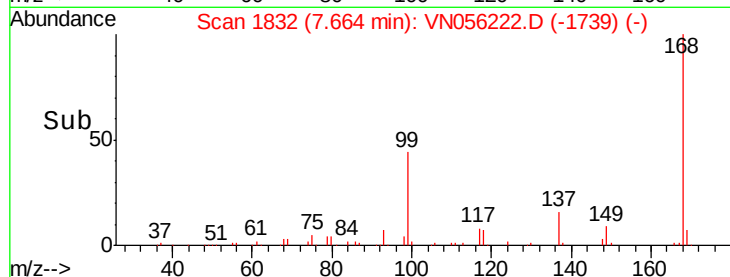
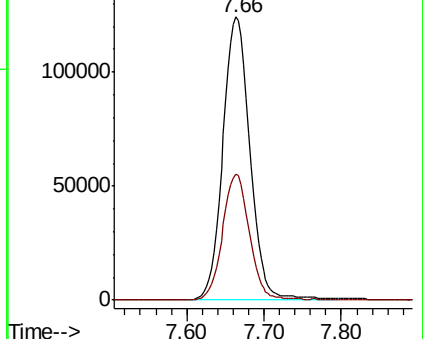
168 100

99 44.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 1.763 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056222.D

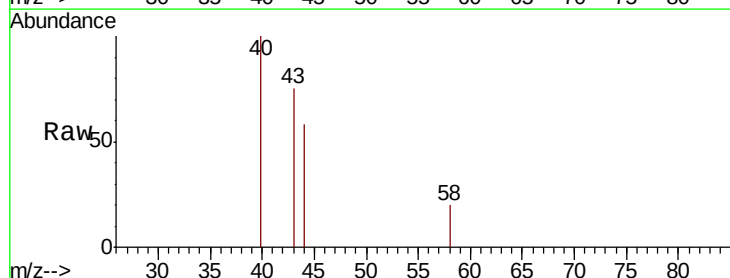
Acq: 11 Jun 2019 14:47

Tgt Ion: 43 Resp: 2532

Ion Ratio Lower Upper

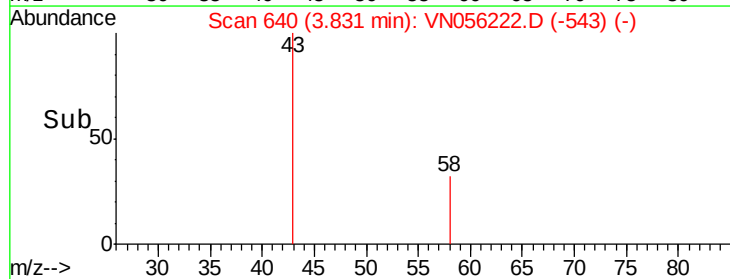
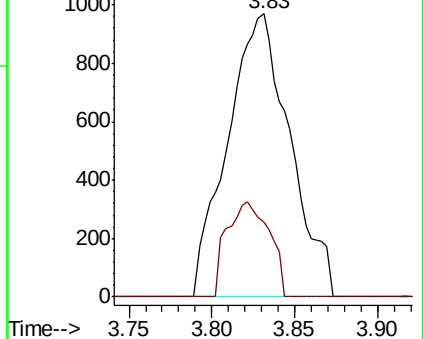
43 100

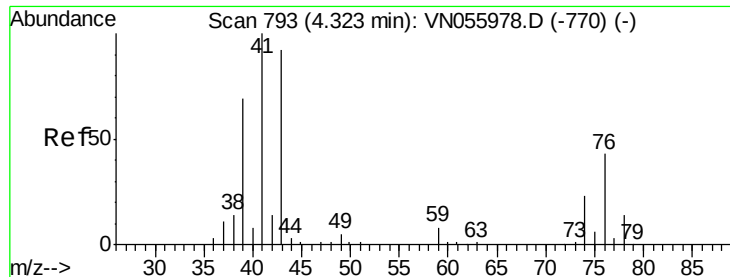
58 26.2 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

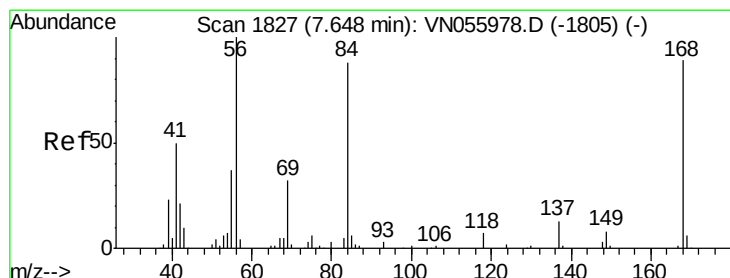
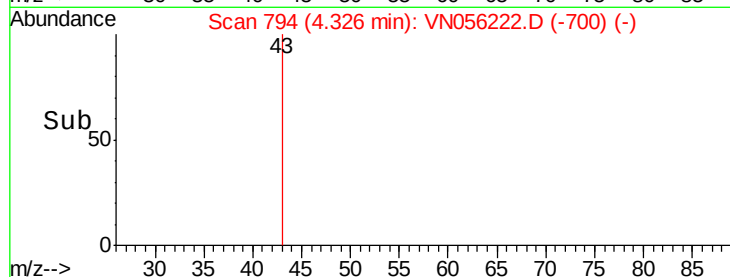
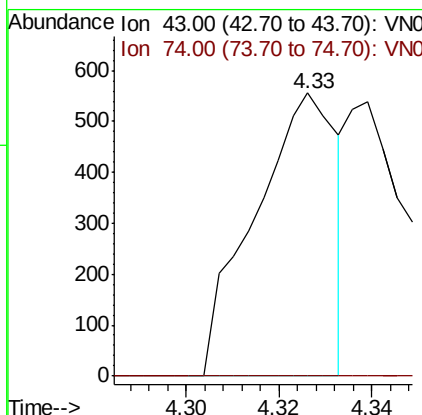
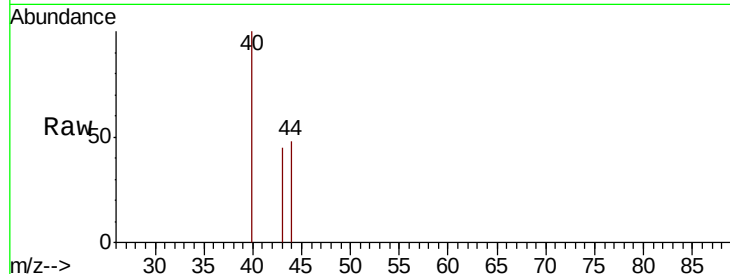




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056222.D
Acq: 11 Jun 2019 14:47

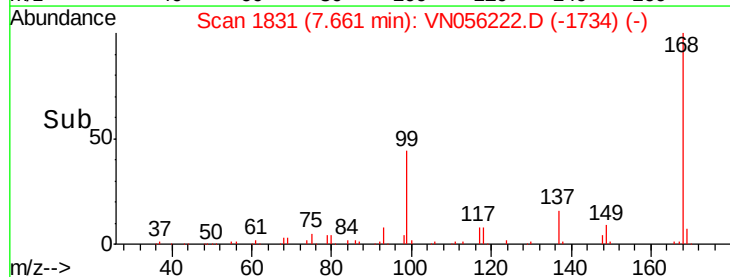
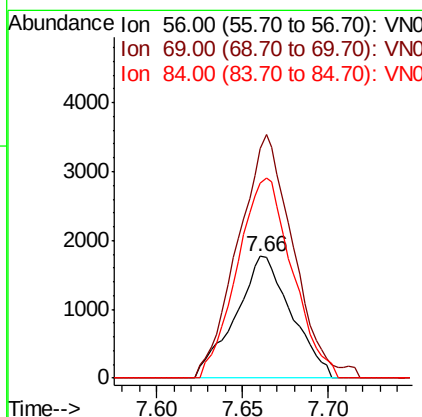
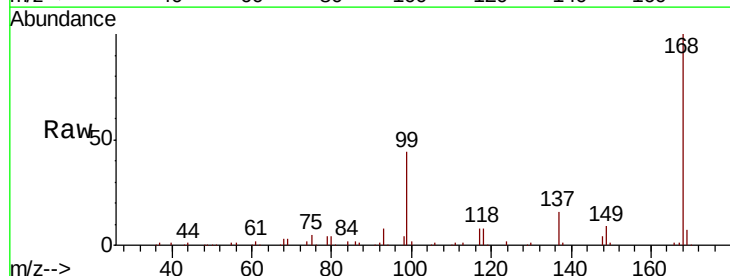
Instrument :
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ClientSampleId :
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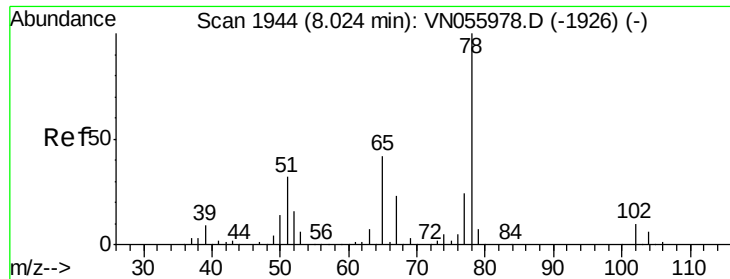
Tot Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 0.839 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056222.D
Acq: 11 Jun 2019 14:47

Tgt Ion: 56 Resp: 3998
Ion Ratio Lower Upper
56 100
69 188.7 25.6 38.4#
84 160.0 67.4 101.0#

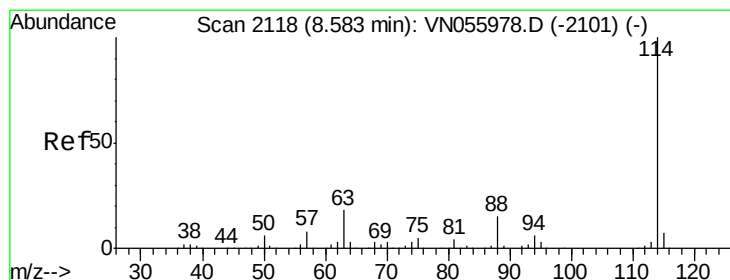
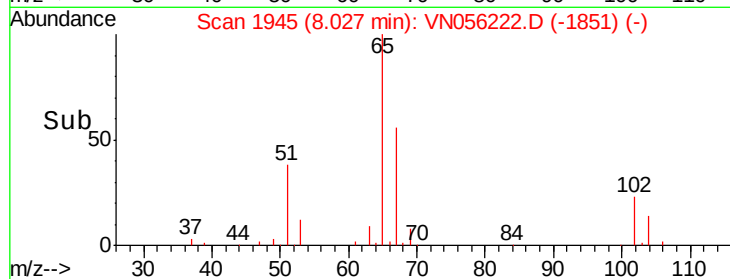
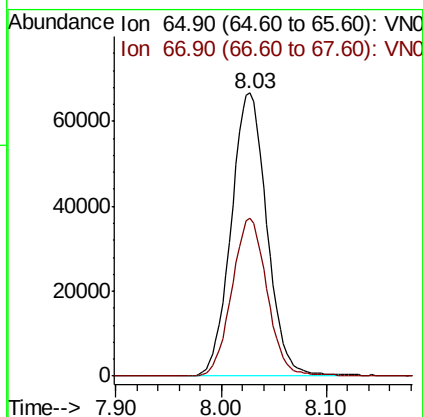
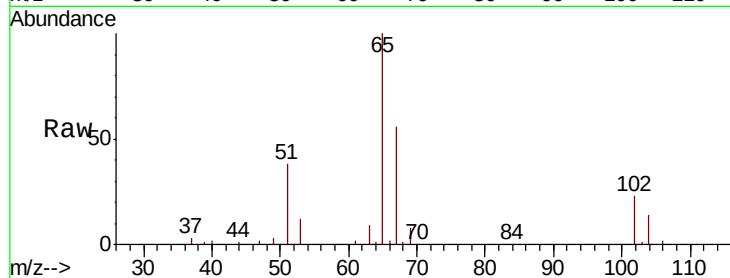




#33
 1,2-Dichloroethane-d4
 Concen: 52.116 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056222.D
 Acq: 11 Jun 2019 14:47

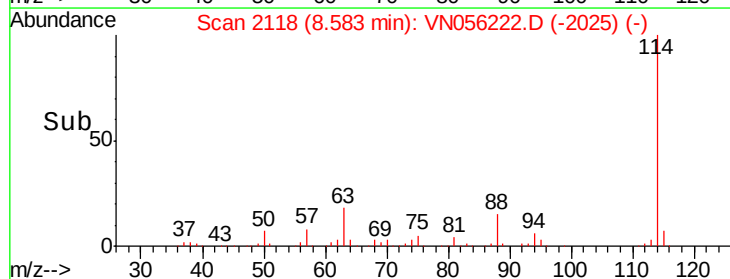
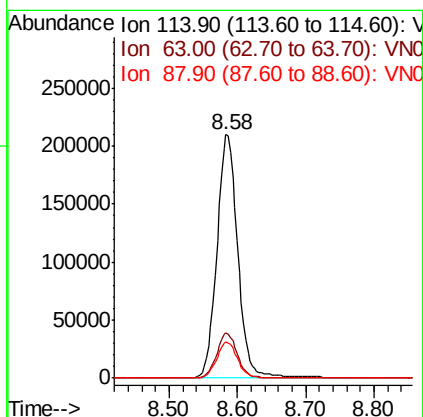
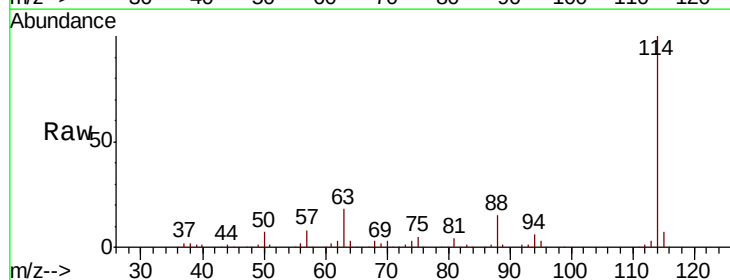
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW308S-20190609

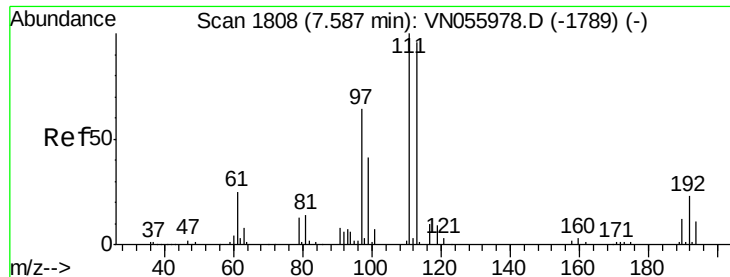
Tot Ion: 65 Resp: 156474
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056222.D
 Acq: 11 Jun 2019 14:47

Tgt Ion: 114 Resp: 447267
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 15.0 0.0 31.0

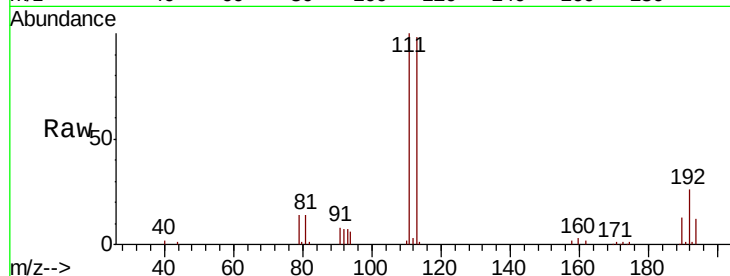




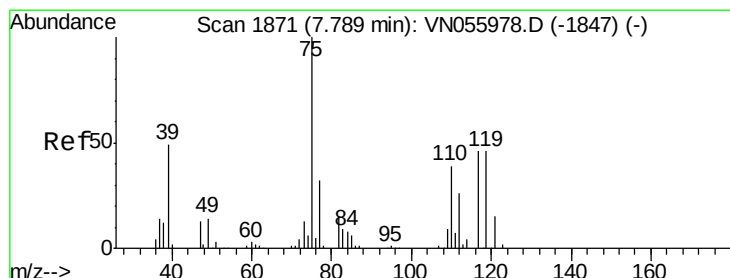
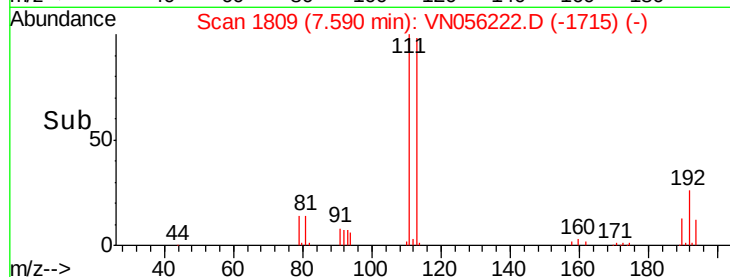
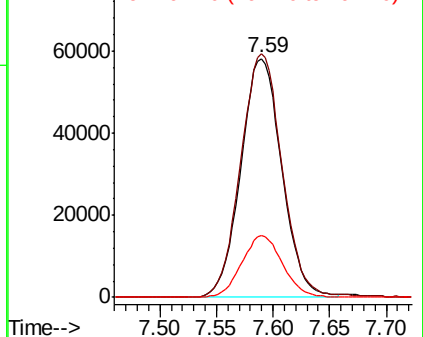
#35
 Dibromofluoromethane
 Concen: 53.414 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056222.D
 Acq: 11 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW308S-20190609

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.9	122.9
192	25.8	19.5	29.3

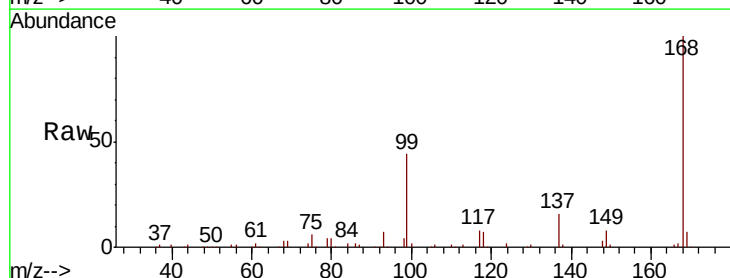


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

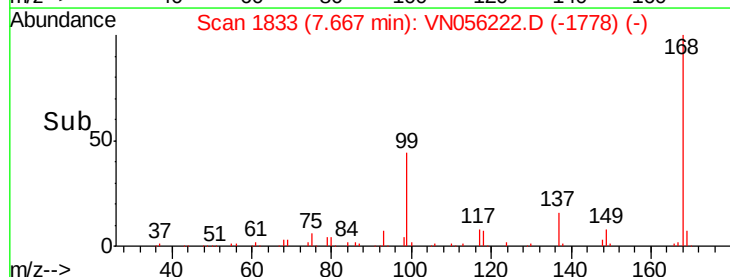
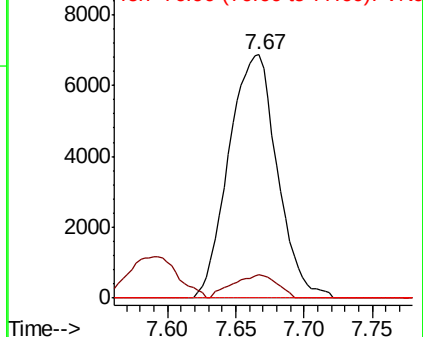


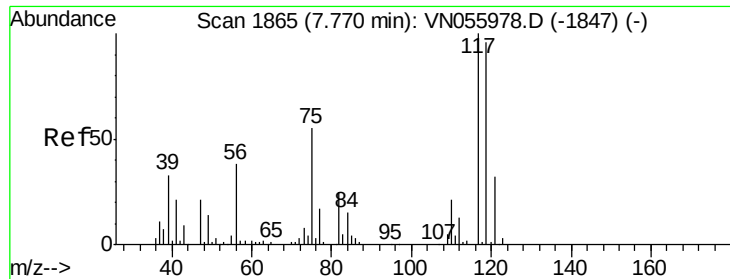
#36
 1,1-Dichloropropene
 Concen: 4.409 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056222.D
 Acq: 11 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.0	57.0#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

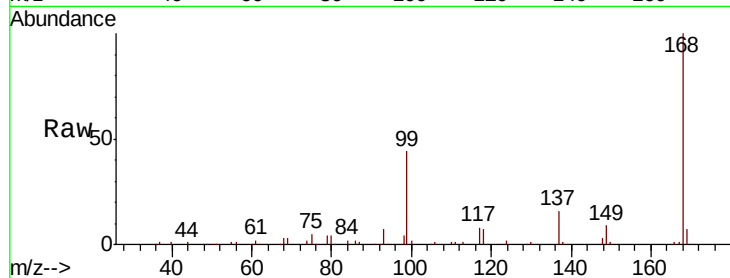




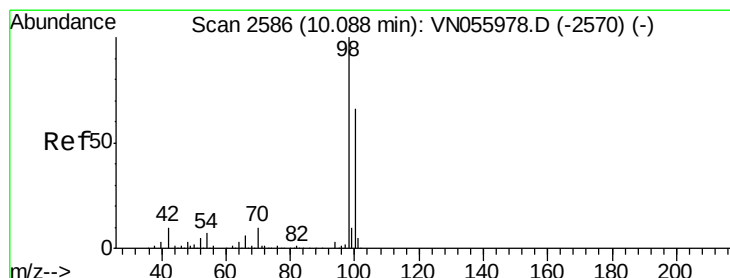
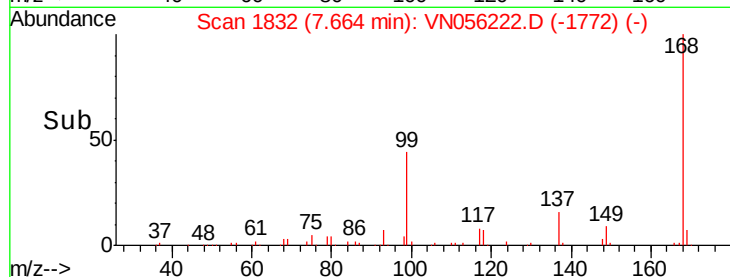
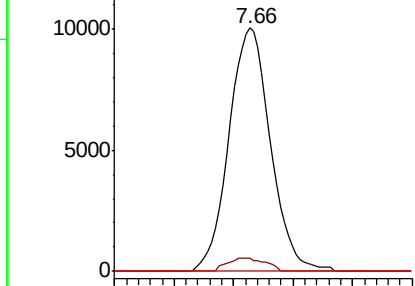
#38
Carbon Tetrachloride
Concen: 6.842 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056222.D
Acq: 11 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW308S-20190609

Tot Ion:117 Resp: 24258
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.6#
121 0.0 24.7 37.1#

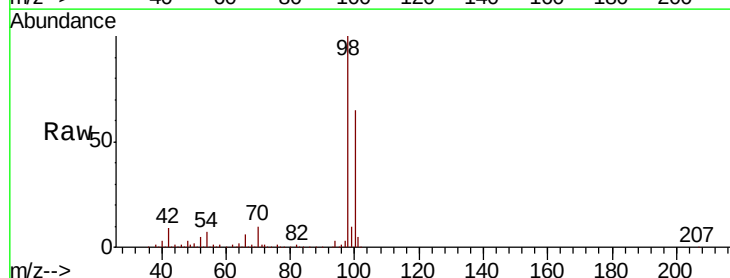


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

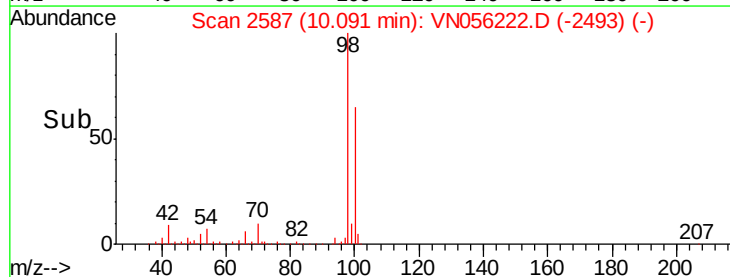
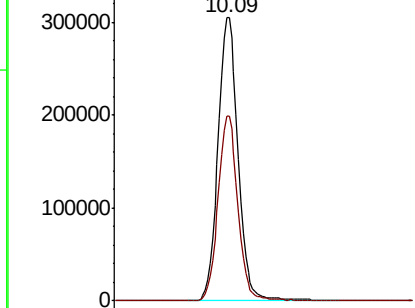


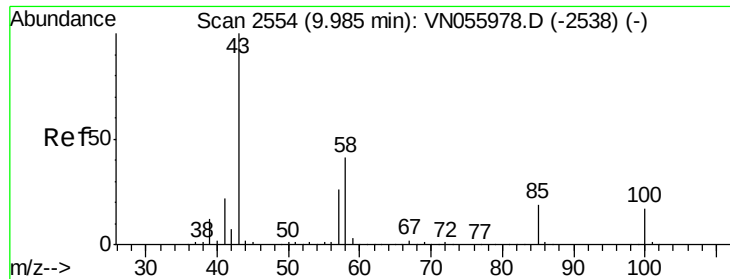
#50
Toluene-d8
Concen: 54.754 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056222.D
Acq: 11 Jun 2019 14:47

Tgt Ion: 98 Resp: 578168
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.698 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056222.D

Acq: 11 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

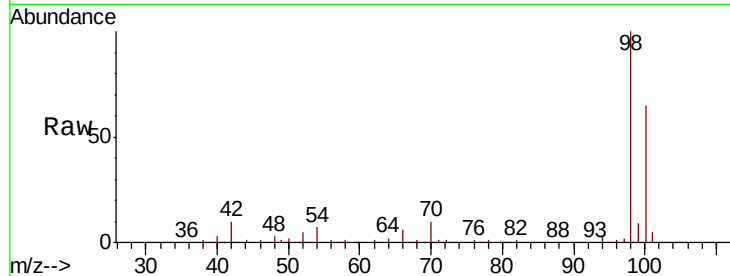
BPS1-TT-MW308S-20190609

Tot Ion: 43 Resp: 2422

Ion Ratio Lower Upper

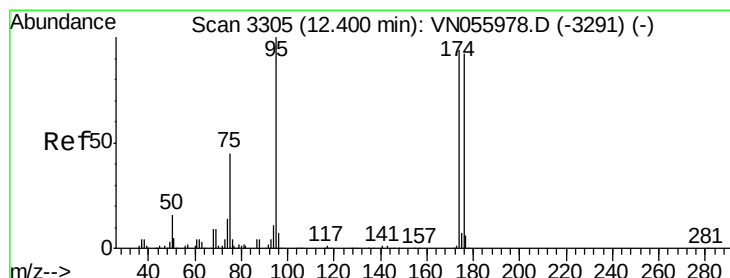
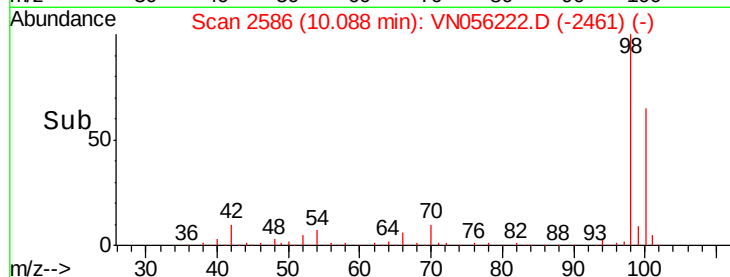
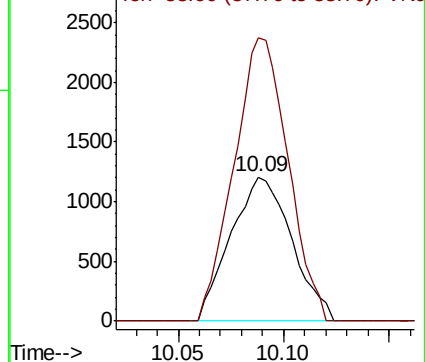
43 100

58 174.6 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.320 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056222.D

Acq: 11 Jun 2019 14:47

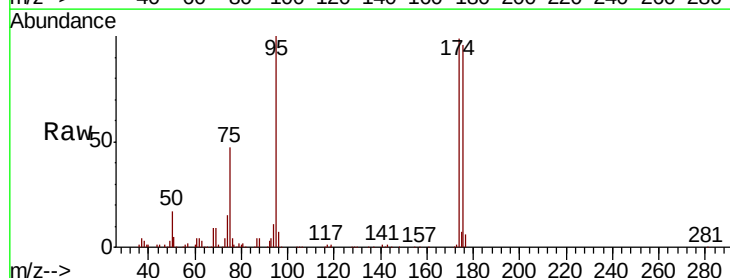
Tgt Ion: 95 Resp: 180698

Ion Ratio Lower Upper

95 100

174 99.6 0.0 191.0

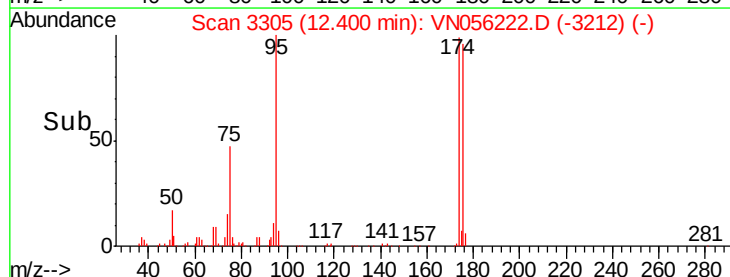
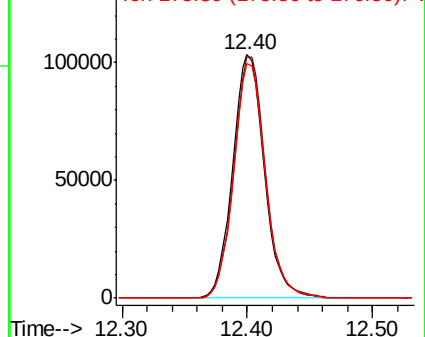
176 96.4 0.0 185.2

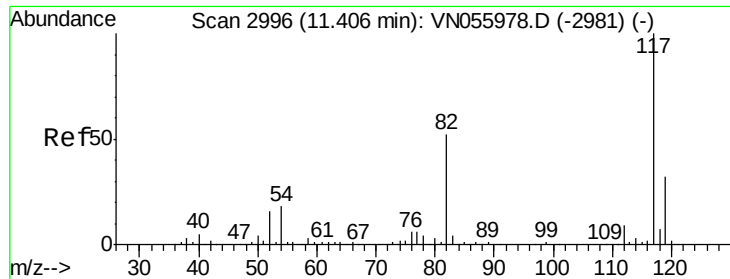


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

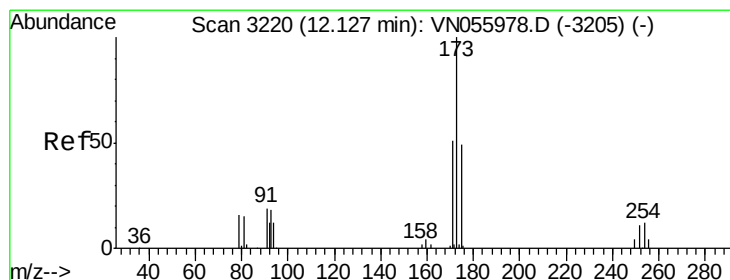
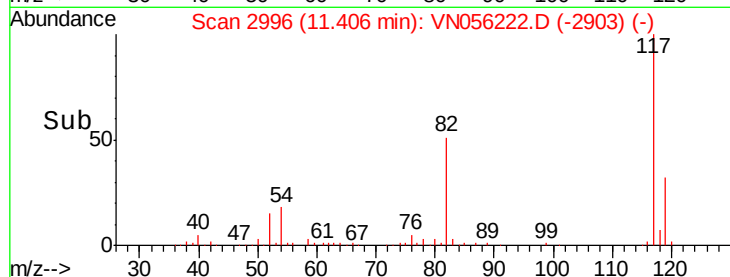
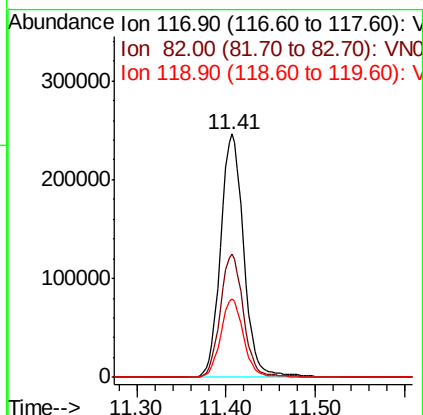
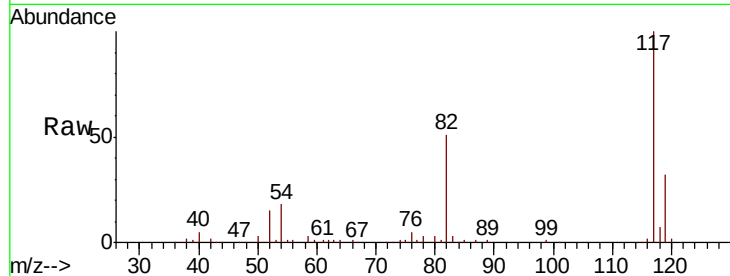




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056222.D
Acq: 11 Jun 2019 14:47

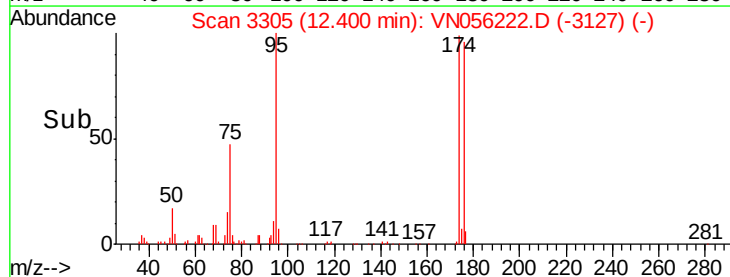
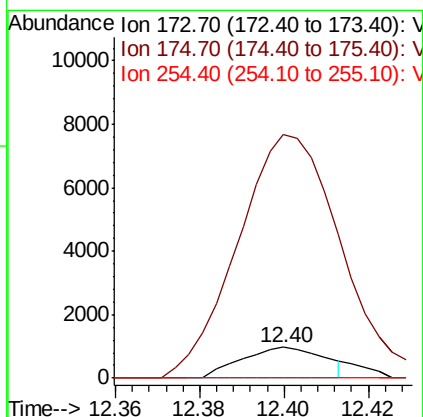
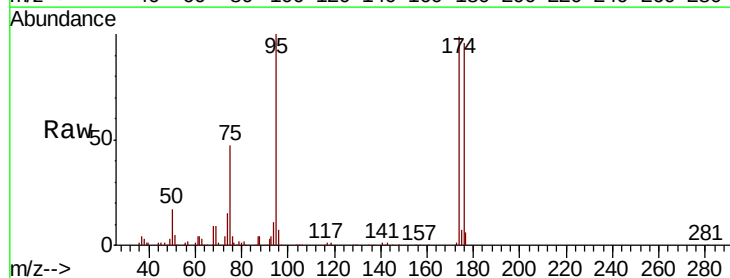
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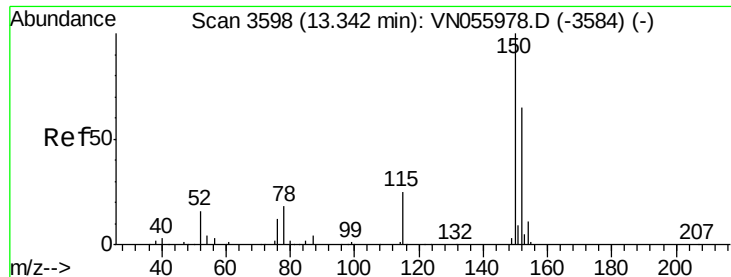
Tot Ion:117 Resp: 442642
Ion Ratio Lower Upper
117 100
82 50.6 41.8 62.8
119 32.2 25.4 38.0



#71
Bromoform
Concen: 3.233 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056222.D
Acq: 11 Jun 2019 14:47

Tgt Ion:173 Resp: 1326
Ion Ratio Lower Upper
173 100
175 859.3 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056222.D

Acq: 11 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW308S-20190609

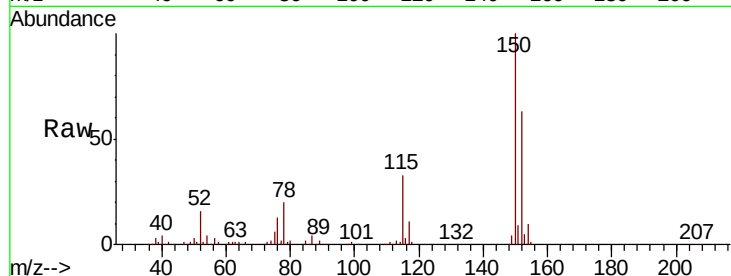
Tot Ion:152 Resp: 138865

Ion Ratio Lower Upper

152 100

115 50.9 27.0 81.0

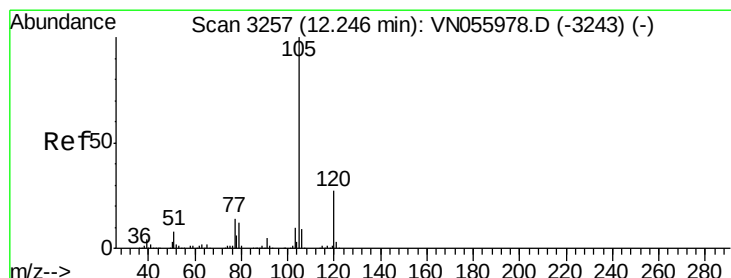
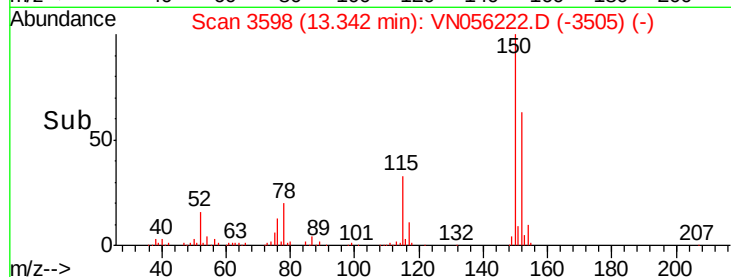
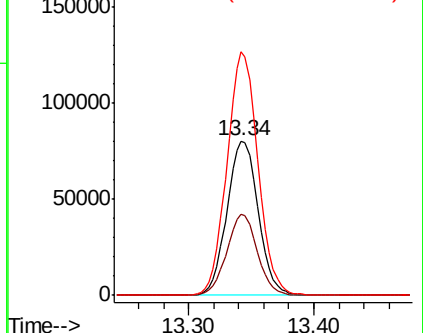
150 155.5 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN056222.D

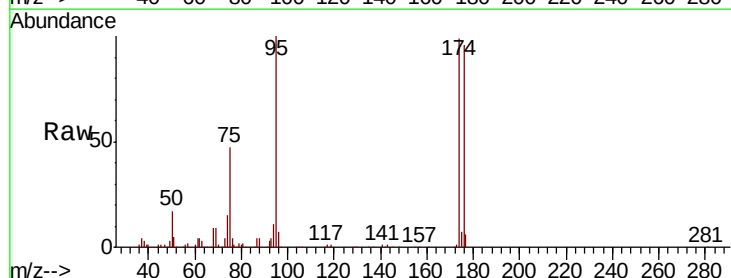
Acq: 11 Jun 2019 14:47

Tgt Ion:105 Resp: 159

Ion Ratio Lower Upper

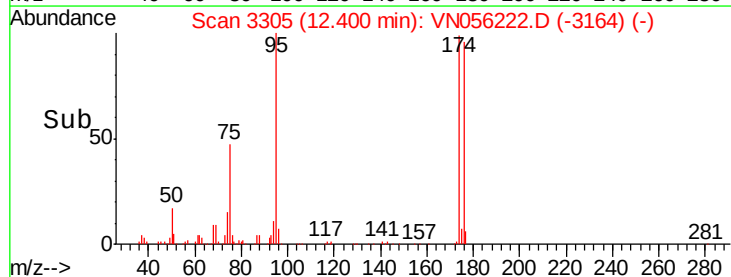
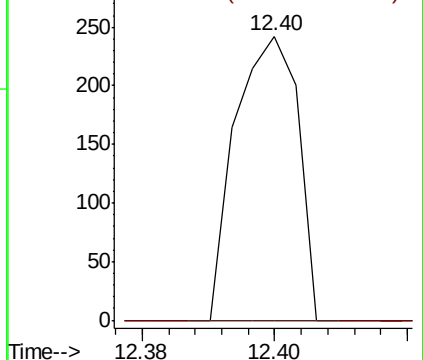
105 100

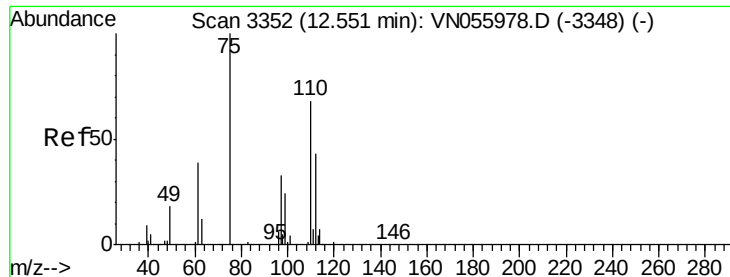
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 32.467 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056222.D

Acq: 11 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

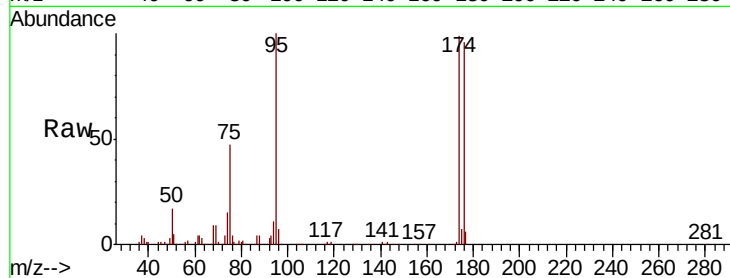
BPS1-TT-MW308S-20190609

Tot Ion: 75 Resp: 82960

Ion Ratio Lower Upper

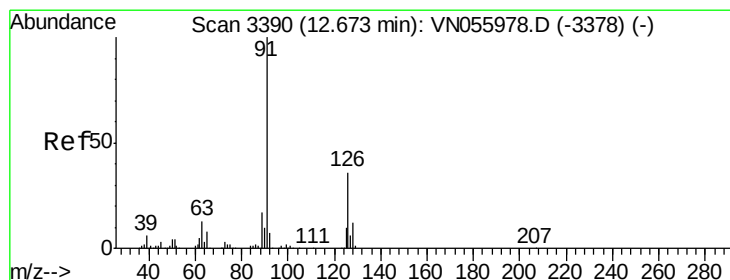
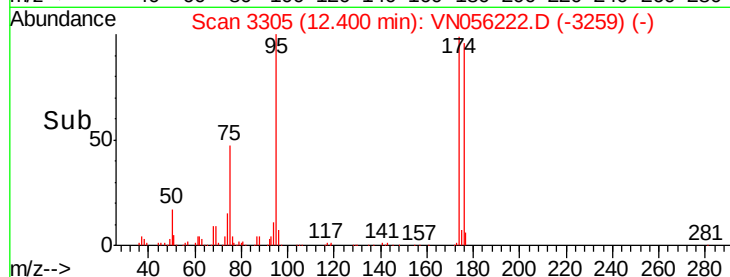
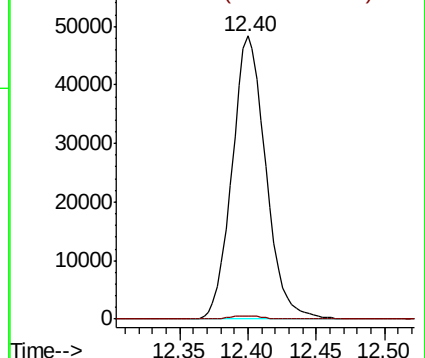
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056222.D

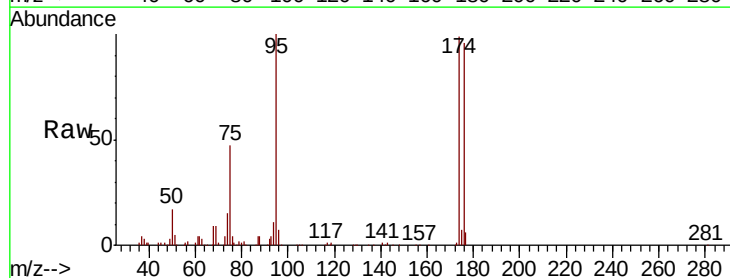
Acq: 11 Jun 2019 14:47

Tgt Ion: 91 Resp: 501

Ion Ratio Lower Upper

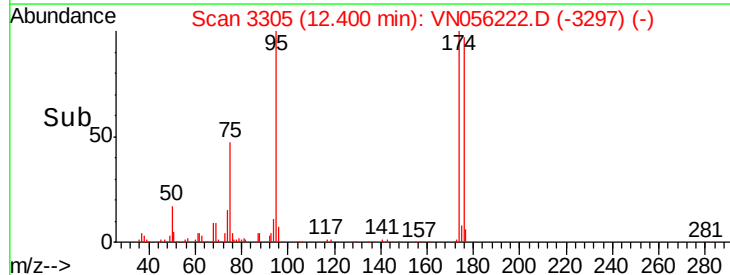
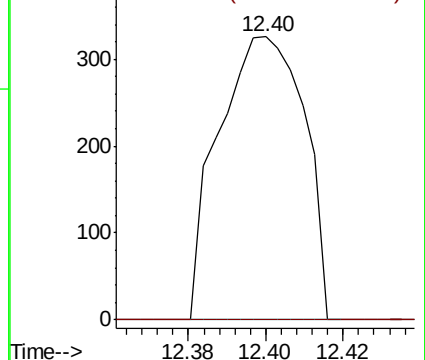
91 100

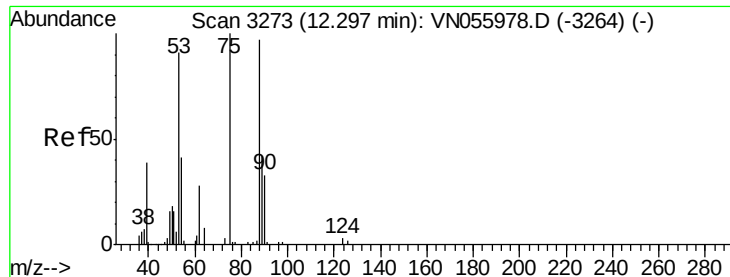
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.123 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056222.D

Acq: 11 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW308S-20190609

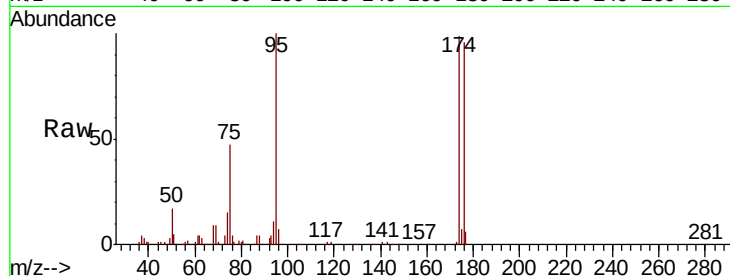
Tot Ion: 75 Resp: 82960

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

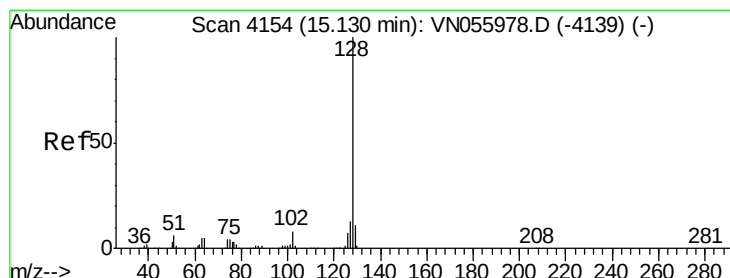
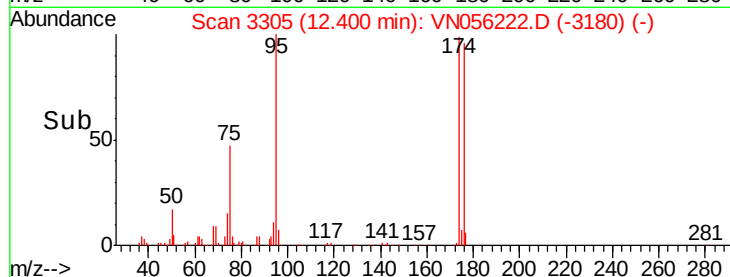
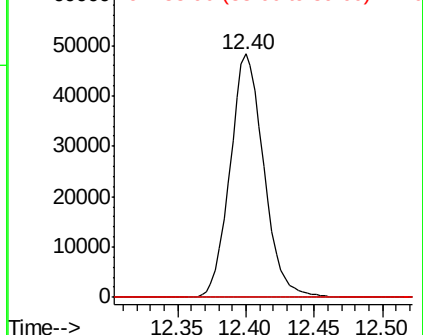
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#95

Naphthalene

Concen: 3.865 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056222.D

Acq: 11 Jun 2019 14:47

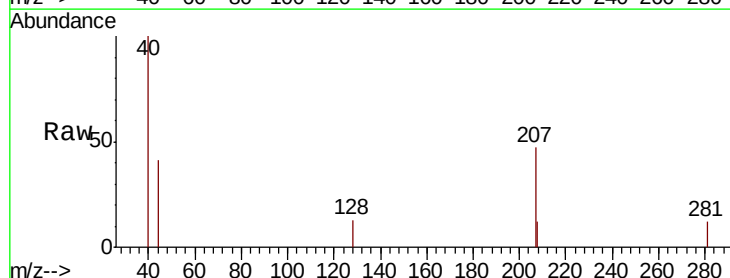
Tgt Ion: 128 Resp: 100

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN055978.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055978.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055978.D (-4139) (-)

