

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056036.D
 Acq On : 6 Jun 2019 11:09
 Operator : JC/SP
 Sample : K3203-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB10-190604

Quant Time: Jun 06 17:53:08 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	336669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	512029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155788	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	177729	53.17	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.59	113	155124	49.38	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.09	98	650717	53.83	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	207207	50.40	ug/l	0.00
Spiked Amount						

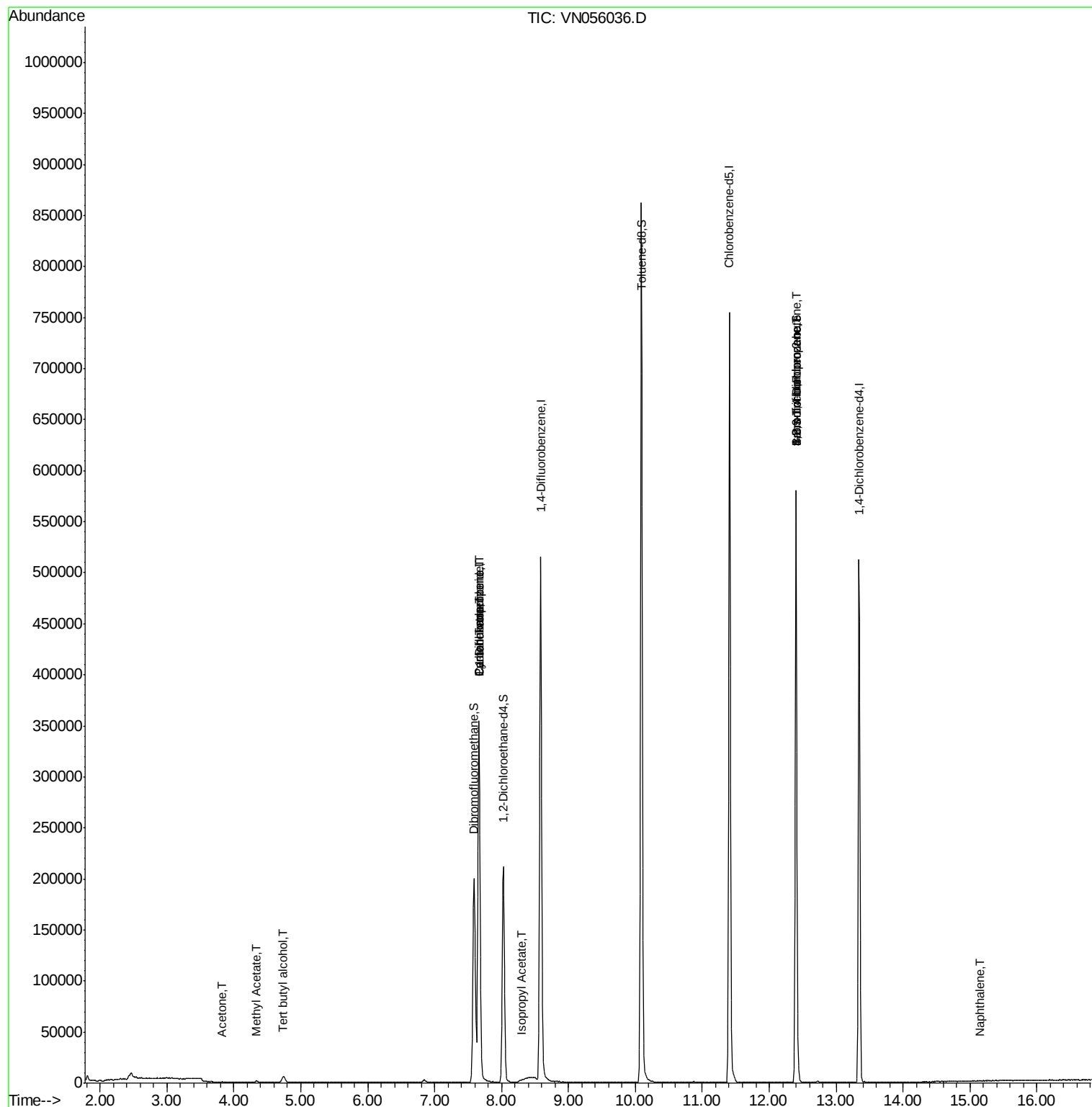
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	2379	4.090	ug/l #	74
16) Acetone	3.82	43	441	0.276	ug/l #	41
18) Methyl Acetate	4.33	43	2845	0.332	ug/l #	69
31) Cyclohexane	7.66	56	4681	0.882	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19889	4.517	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27750	6.837	ug/l #	15
43) Isopropyl Acetate	8.28	43	1950	0.307	ug/l #	53
71) Bromoform	12.40	173	1266	3.169	ug/l #	1
73) Isopropylbenzene	12.40	105	96	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	94724	33.044	ug/l #	100
79) 2-Chlorotoluene	12.59	91	76	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	94724	110.044	ug/l #	15
95) Naphthalene	15.15	128	307	3.889	ug/l #	69

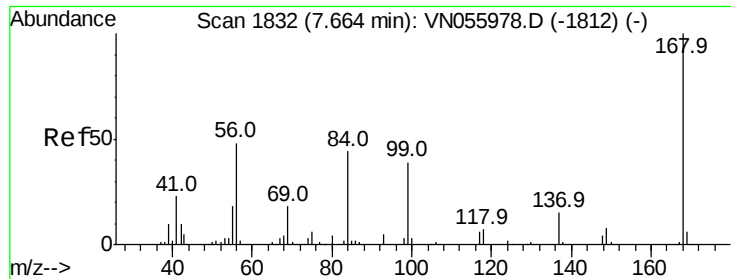
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060719\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056036.D

Acq: 6 Jun 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

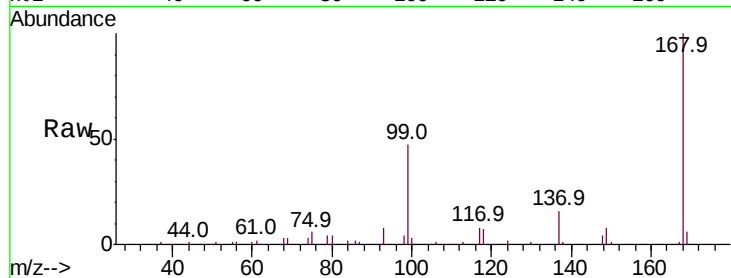
Z1-TB10-190604

Tot Ion:168 Resp: 336669

Ion Ratio Lower Upper

168 100

99 46.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

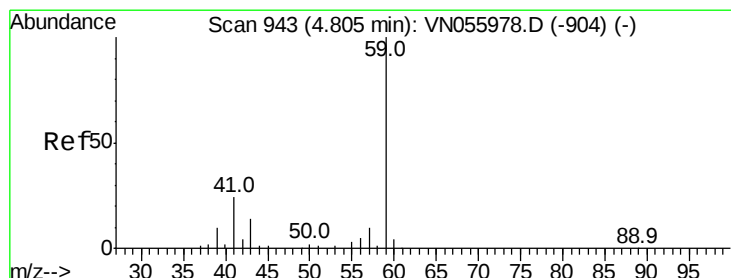
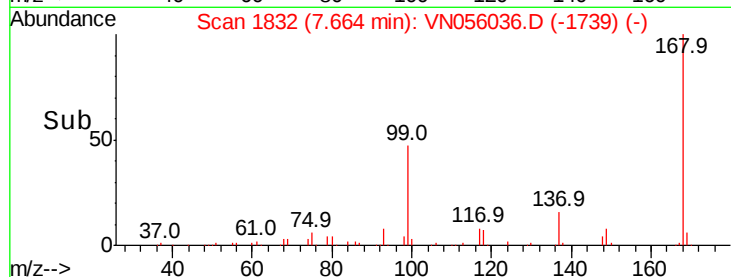
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 4.090 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.08 min

Lab File: VN056036.D

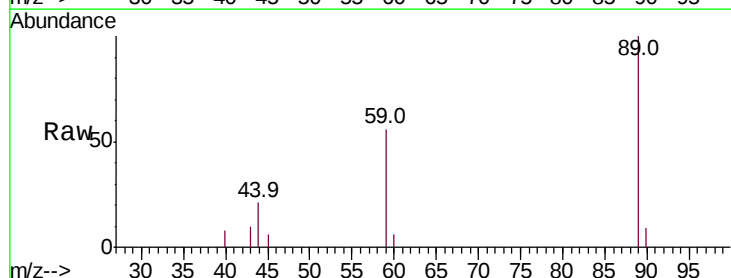
Acq: 6 Jun 2019 11:09

Tgt Ion: 59 Resp: 2379

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.73

1500

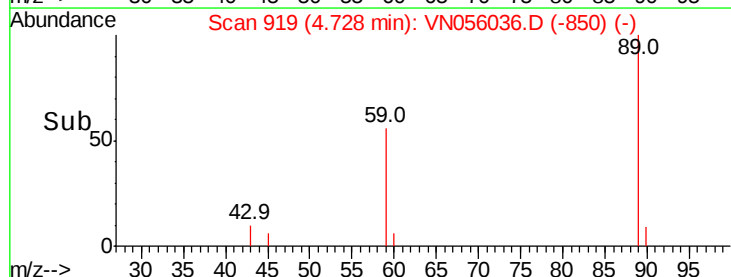
1000

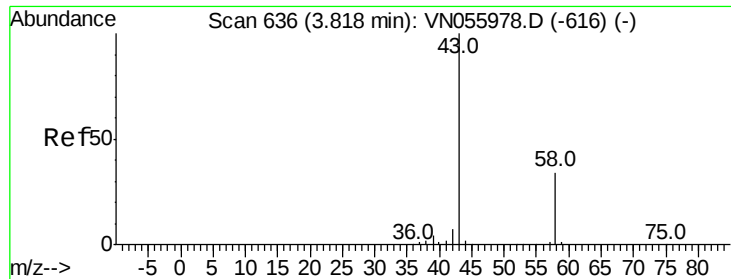
500

0

4.68 4.70 4.72 4.74

Time-->

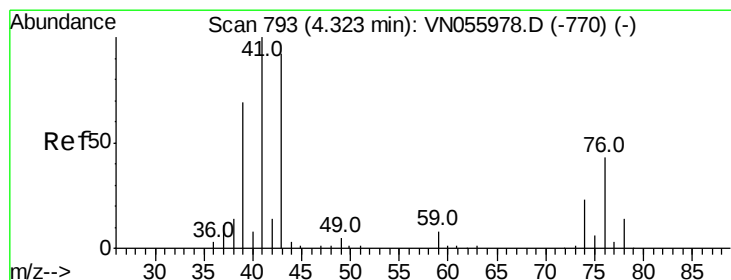
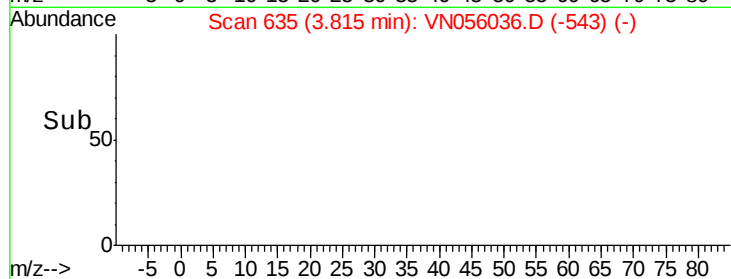
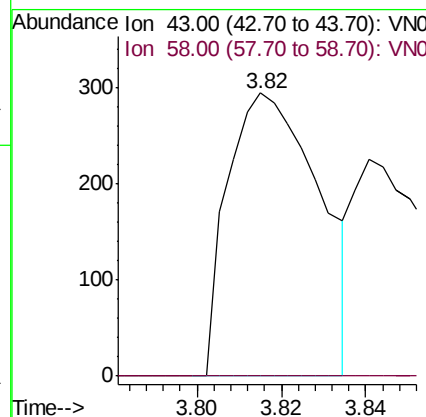
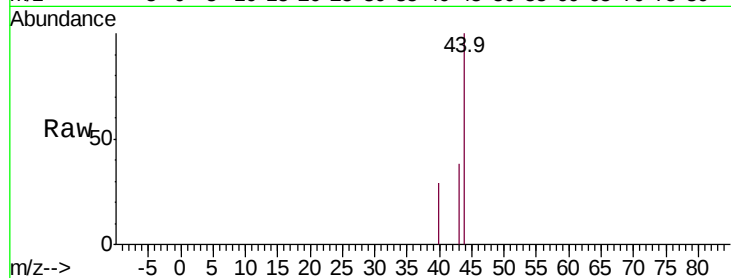




#16
Acetone
Concen: 0.276 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056036.D
Acq: 6 Jun 2019 11:09

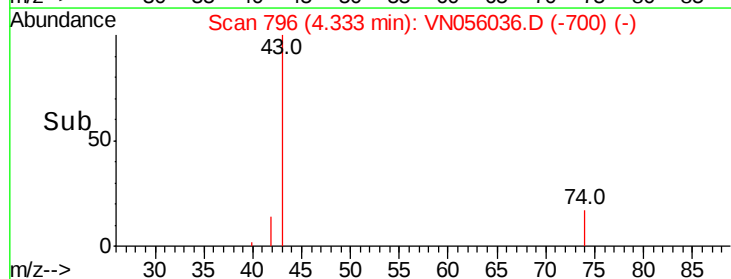
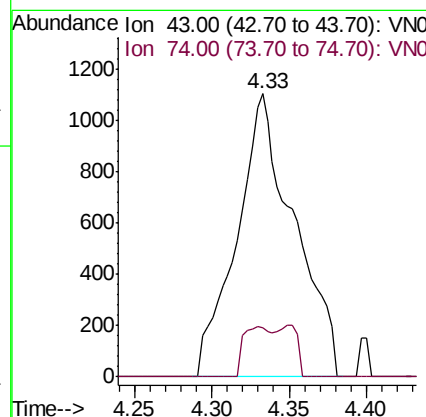
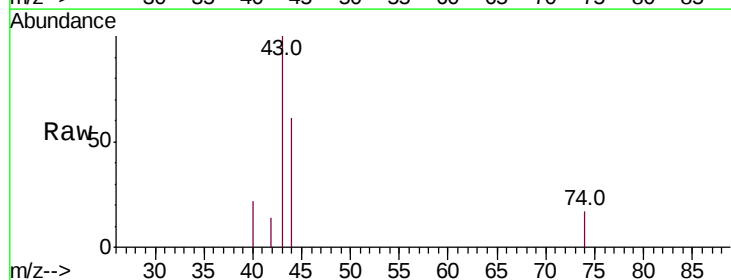
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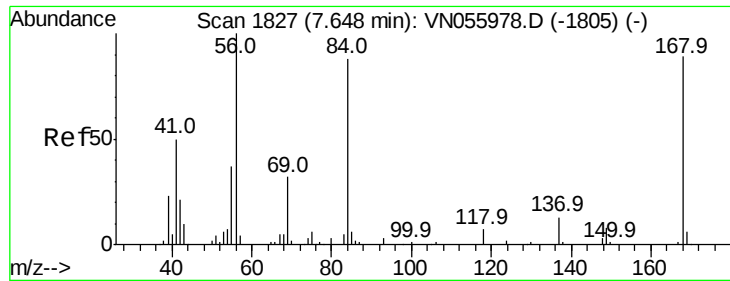
Tot Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#18
Methyl Acetate
Concen: 0.332 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056036.D
Acq: 6 Jun 2019 11:09

Tgt Ion: 43 Resp: 2845
Ion Ratio Lower Upper
43 100
74 8.6 19.3 28.9#

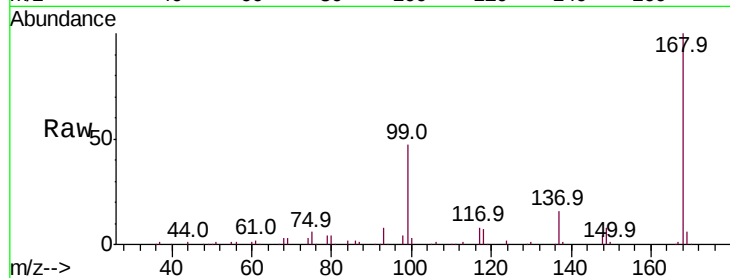




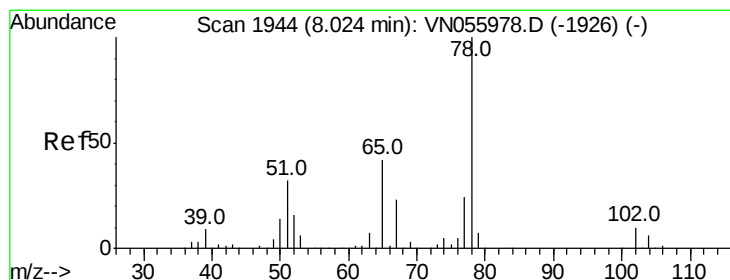
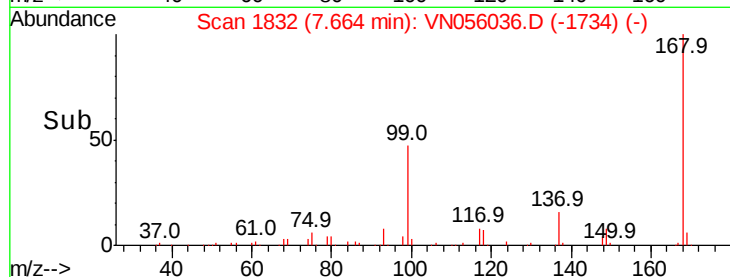
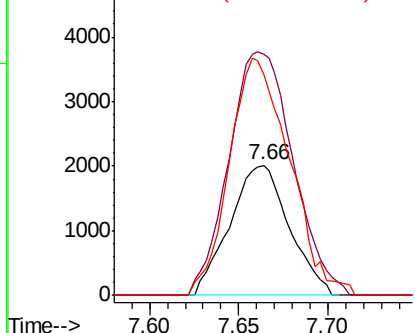
#31
Cyclohexane
Concen: 0.882 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056036.D
Acq: 6 Jun 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
Z1-TB10-190604

Tot Ion: 56 Resp: 4681
Ion Ratio Lower Upper
56 100
69 184.7 25.6 38.4#
84 169.6 67.4 101.0#

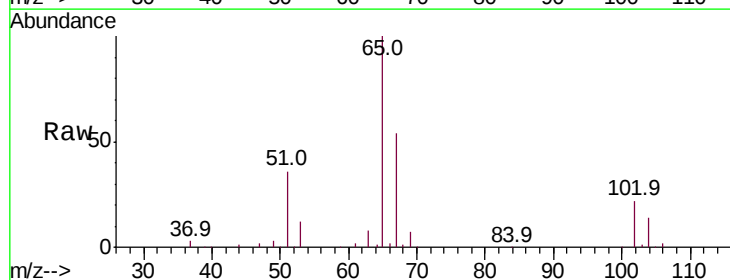


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

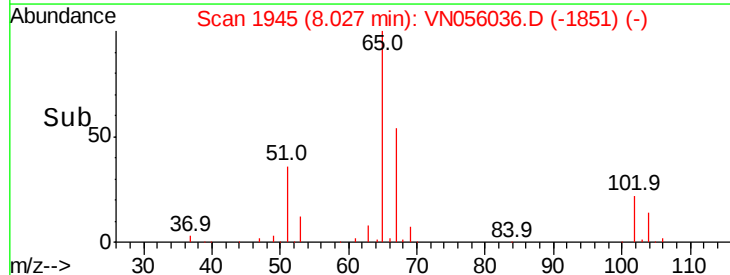
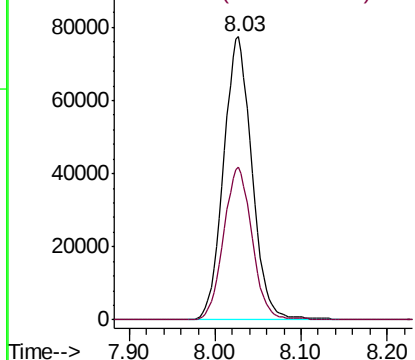


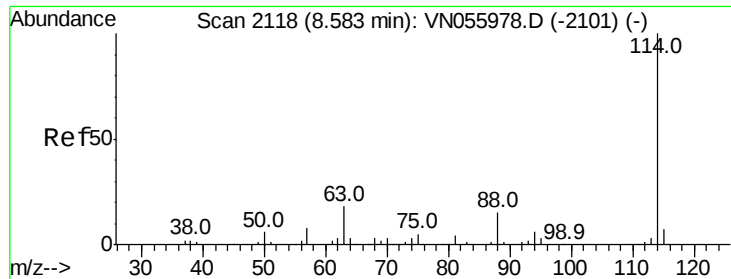
#33
1,2-Dichloroethane-d4
Concen: 53.167 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056036.D
Acq: 6 Jun 2019 11:09

Tgt Ion: 65 Resp: 177729
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

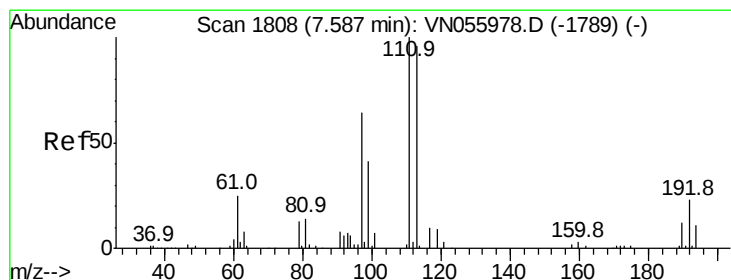
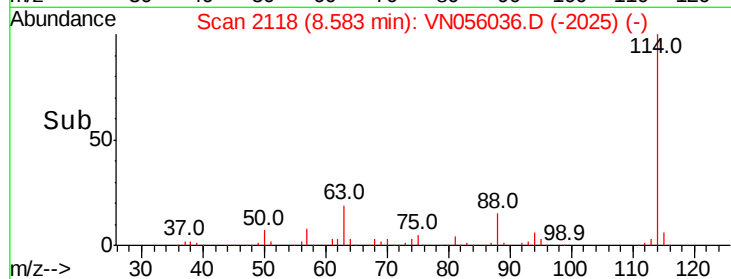
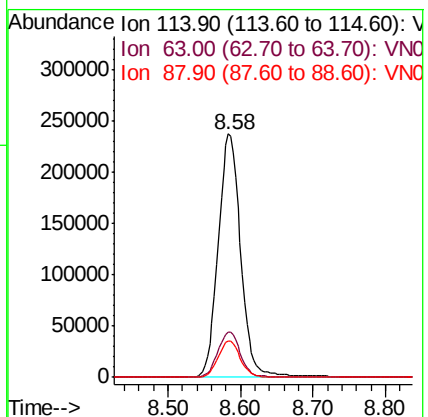
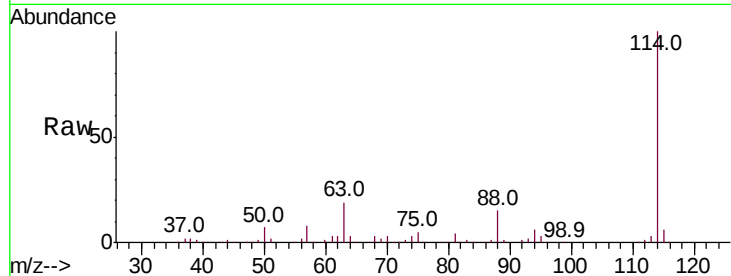




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056036.D
 Acq: 6 Jun 2019 11:09

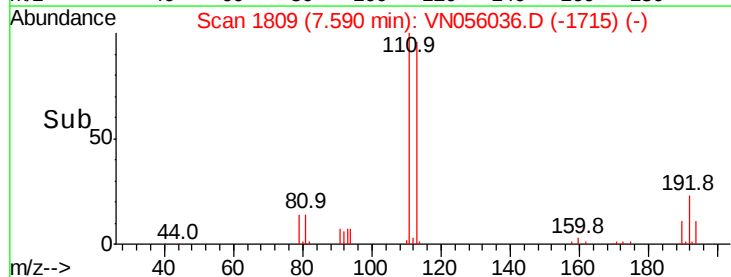
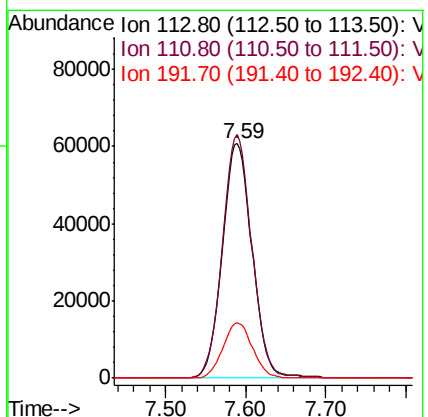
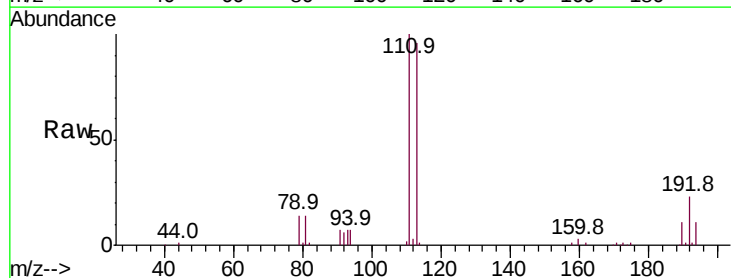
Instrument :
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 ClientSampleId :
 Z1-TB10-190604

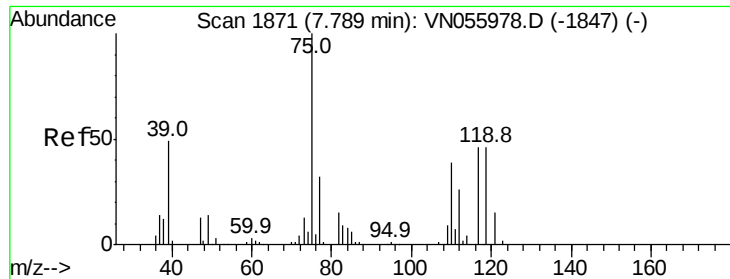
Tot Ion:114 Resp: 512029
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 14.9 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 49.379 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056036.D
 Acq: 6 Jun 2019 11:09

Tgt Ion:113 Resp: 155124
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 23.5 19.5 29.3

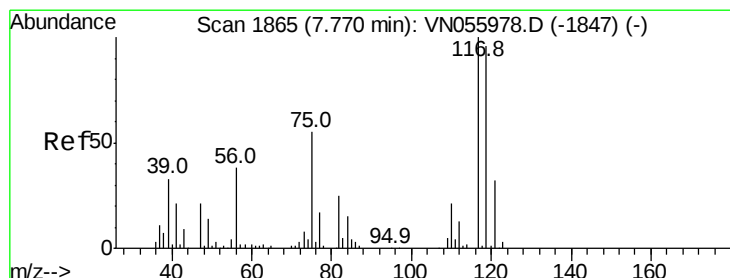
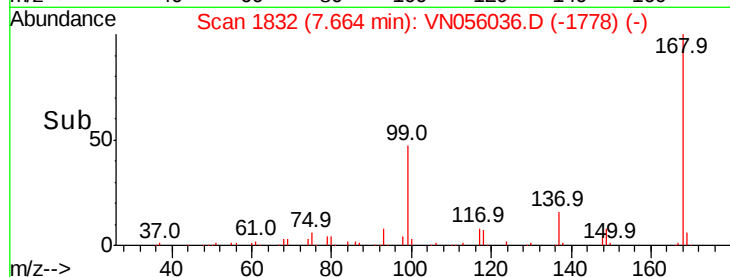
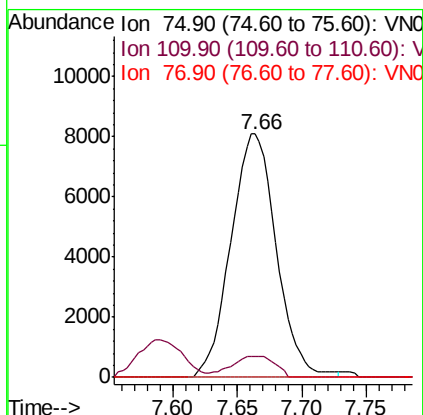
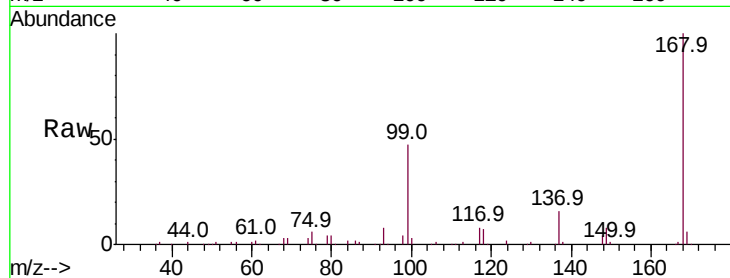




#36
 1,1-Dichloropropene
 Concen: 4.517 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056036.D
 Acq: 6 Jun 2019 11:09

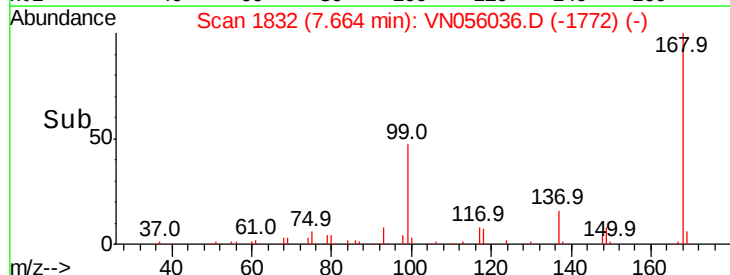
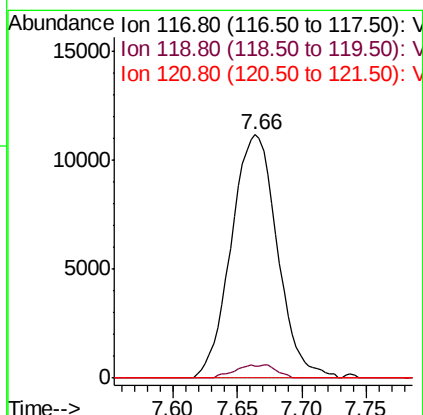
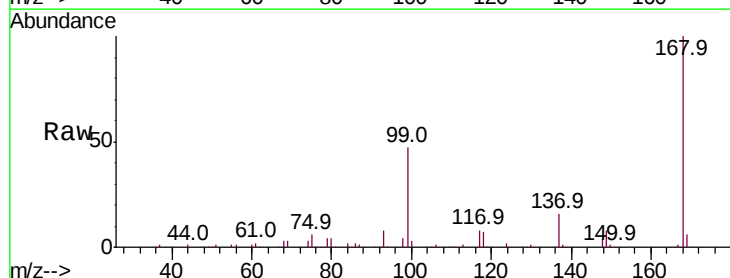
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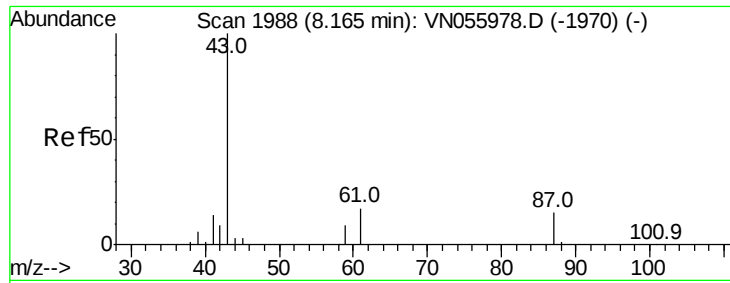
Tot Ion: 75 Resp: 19889
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.837 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056036.D
 Acq: 6 Jun 2019 11:09

Tgt Ion: 117 Resp: 27750
 Ion Ratio Lower Upper
 117 100
 119 5.1 79.0 118.6#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.307 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN056036.D

Acq: 6 Jun 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

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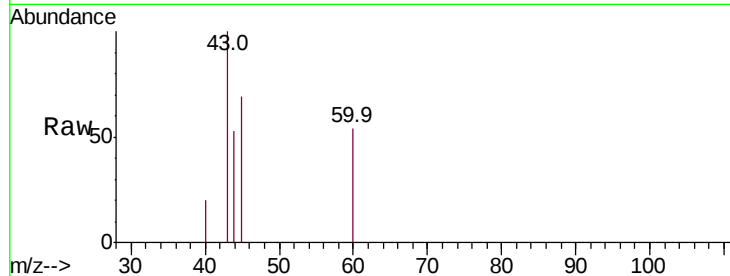
Tot Ion: 43 Resp: 1950

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

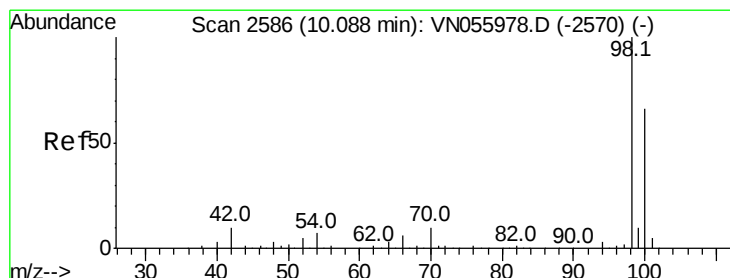
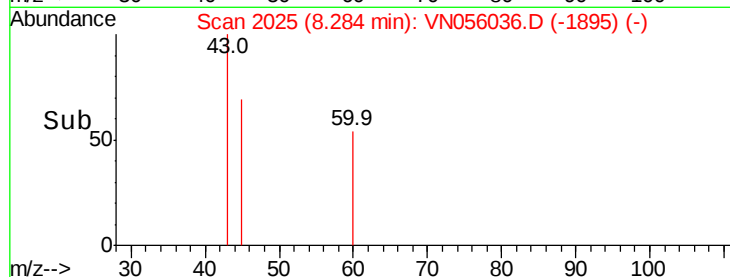
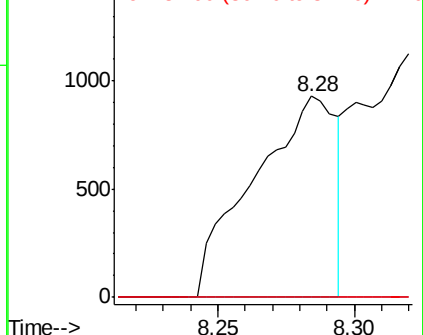
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 53.830 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056036.D

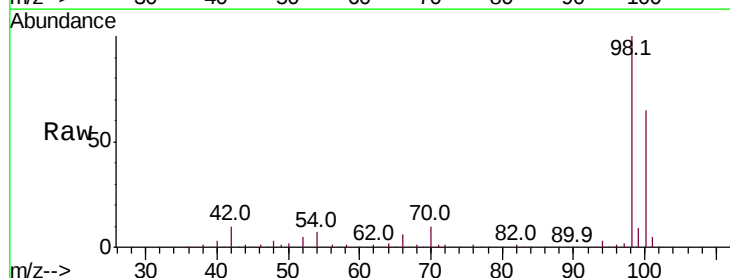
Acq: 6 Jun 2019 11:09

Tgt Ion: 98 Resp: 650717

Ion Ratio Lower Upper

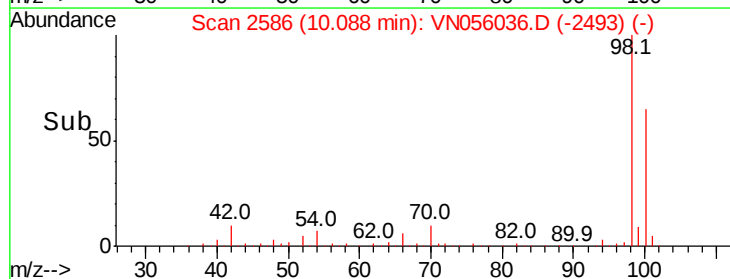
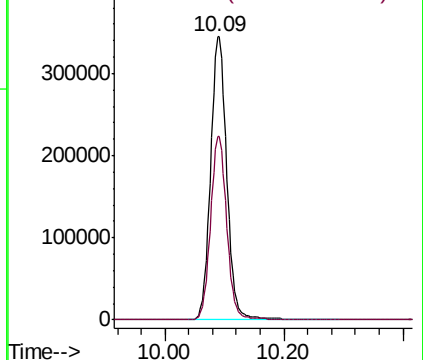
98 100

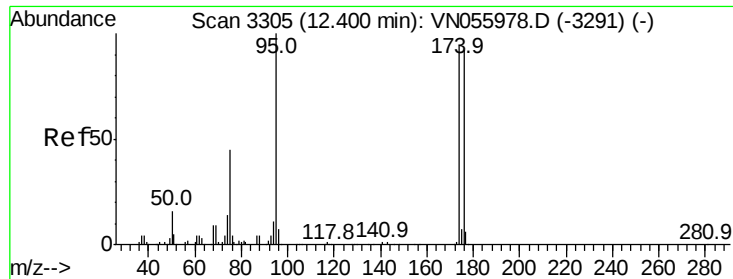
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

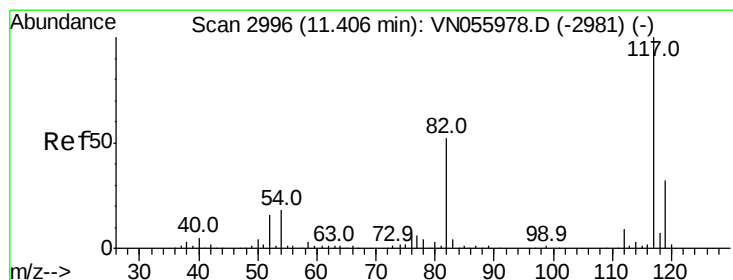
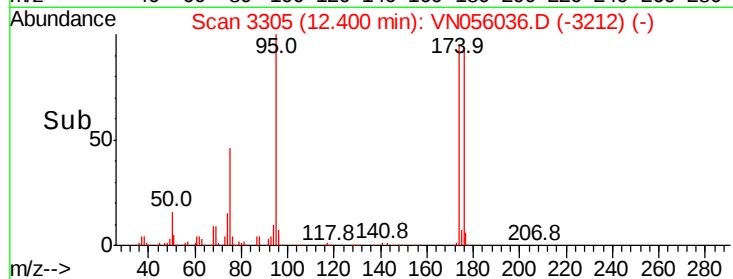
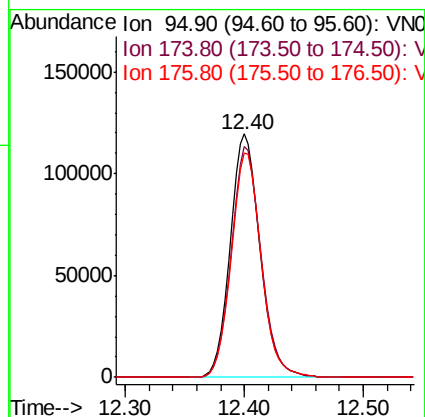
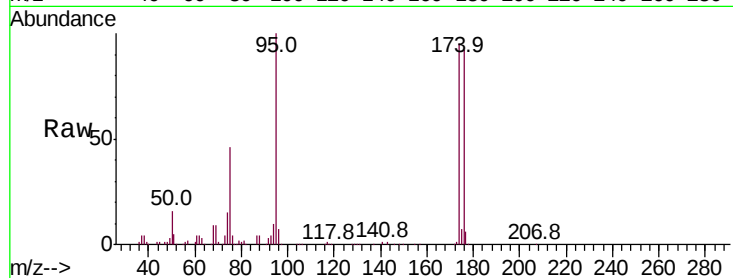




#62
4-Bromofluorobenzene
Concen: 50.404 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056036.D
Acq: 6 Jun 2019 11:09

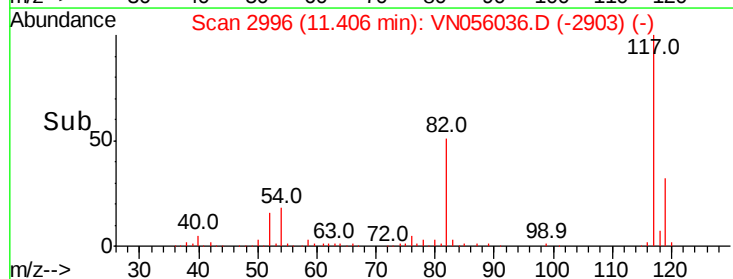
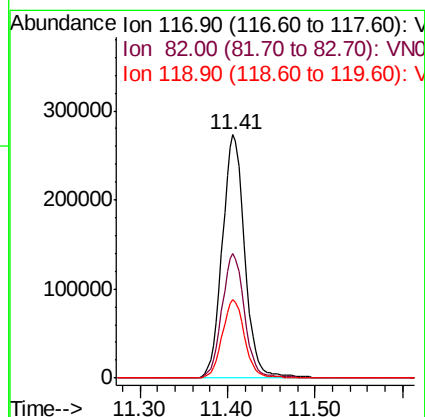
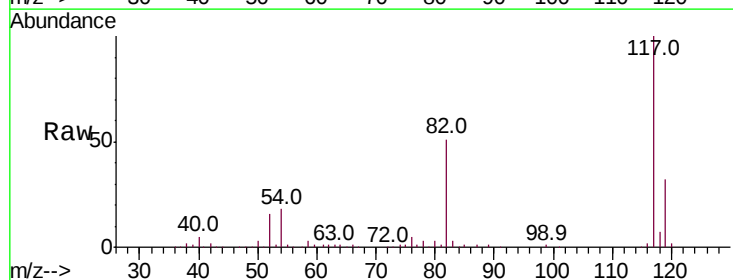
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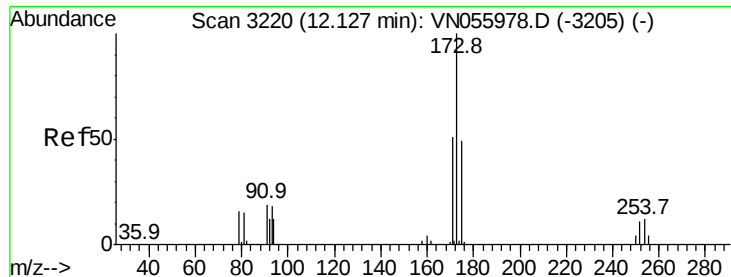
Tot Ion: 95 Resp: 207207
Ion Ratio Lower Upper
95 100
174 94.8 0.0 191.0
176 92.4 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056036.D
Acq: 6 Jun 2019 11:09

Tgt Ion: 117 Resp: 486192
Ion Ratio Lower Upper
117 100
82 51.3 41.8 62.8
119 32.0 25.4 38.0





#71

Bromoform

Concen: 3.169 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056036.D

Acq: 6 Jun 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB10-190604

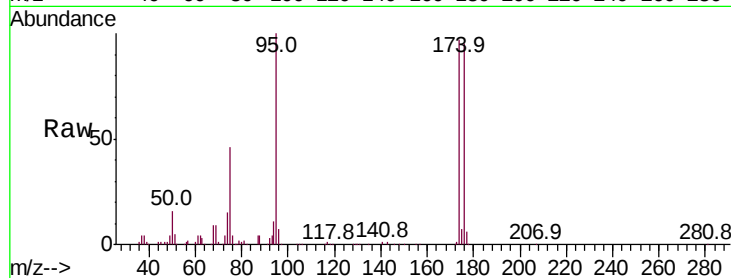
Tot Ion:173 Resp: 1266

Ion Ratio Lower Upper

173 100

175 953.3 24.3 72.8#

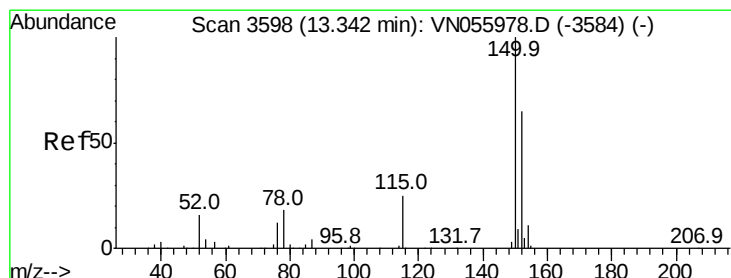
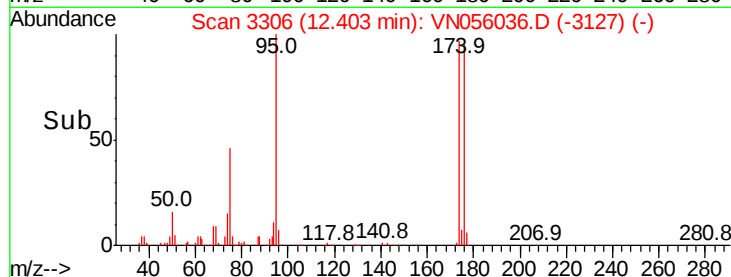
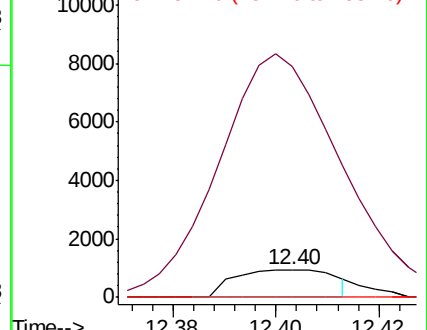
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056036.D

Acq: 6 Jun 2019 11:09

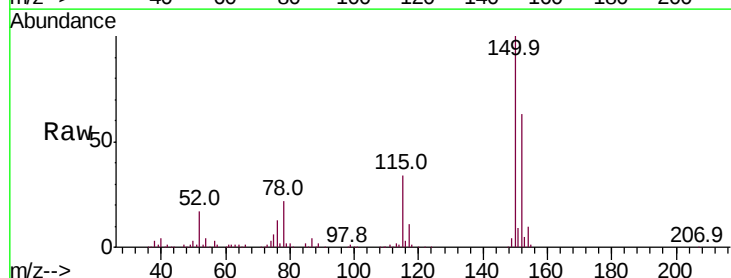
Tgt Ion:152 Resp: 155788

Ion Ratio Lower Upper

152 100

115 53.4 27.0 81.0

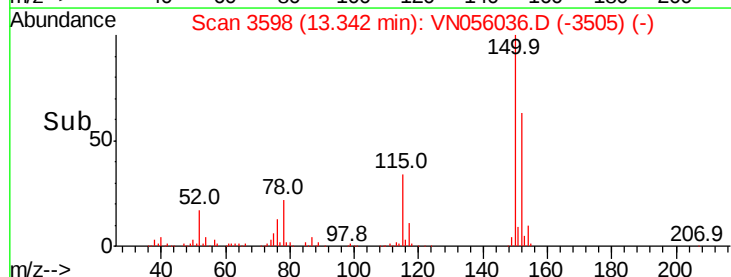
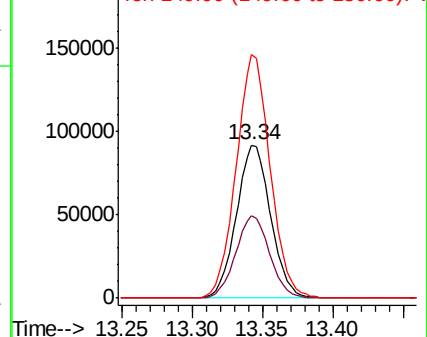
150 158.3 0.0 343.2

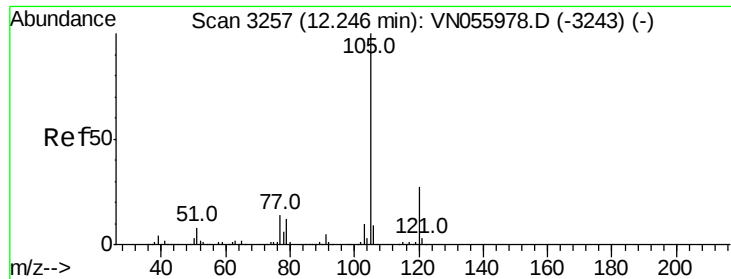


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN056036.D

Acq: 6 Jun 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

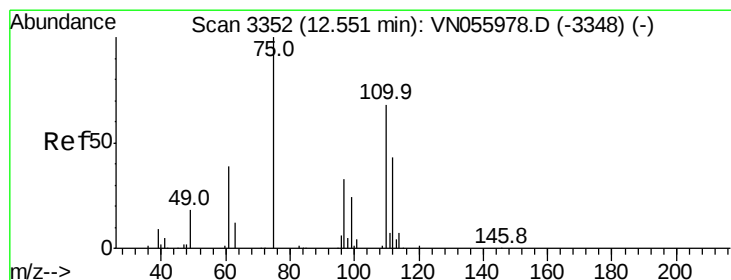
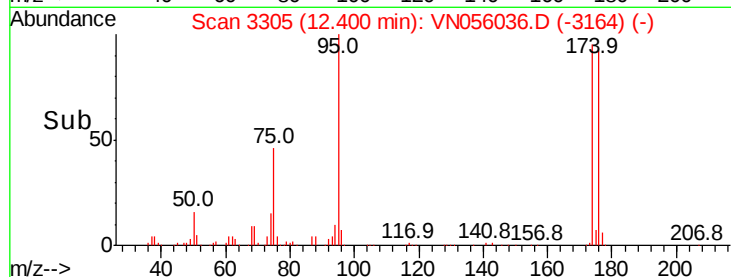
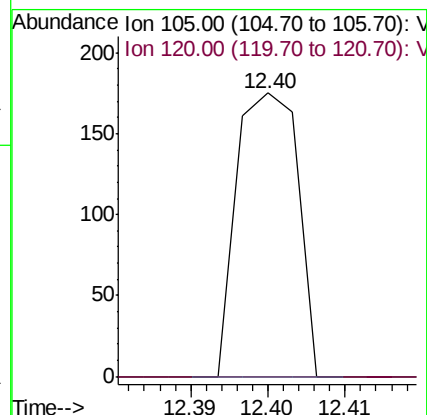
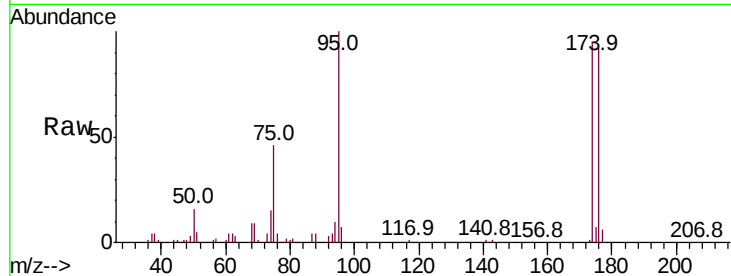
Z1-TB10-190604

Tot Ion:105 Resp: 96

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 33.044 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056036.D

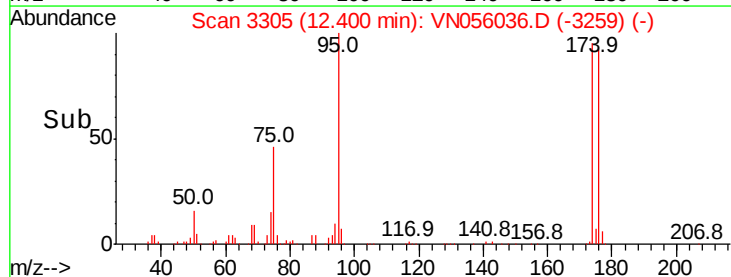
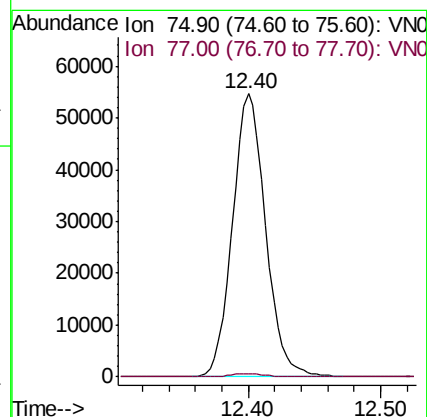
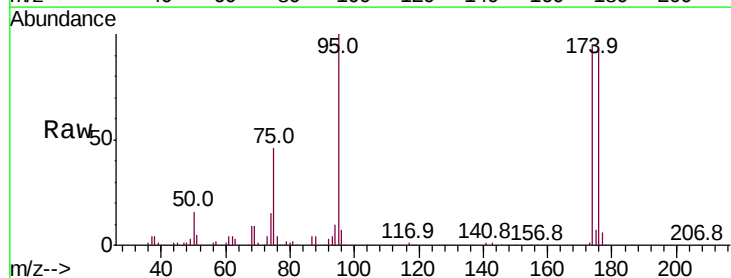
Acq: 6 Jun 2019 11:09

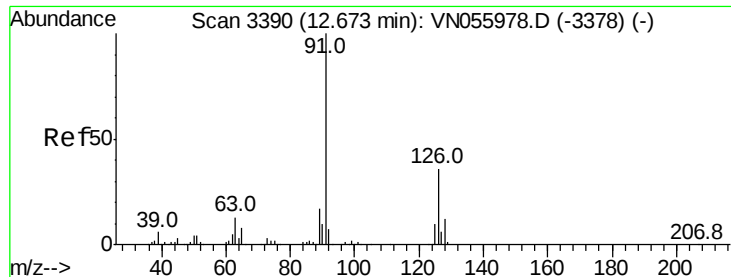
Tgt Ion: 75 Resp: 94724

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056036.D

Acq: 6 Jun 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

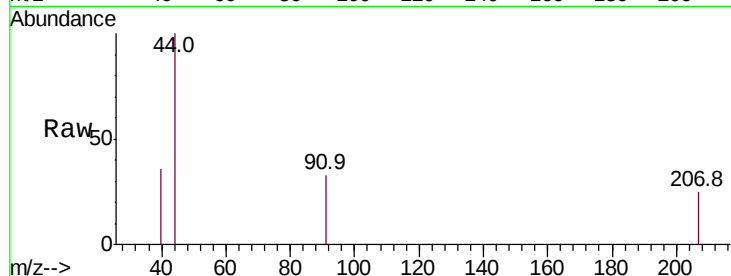
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Tot Ion: 91 Resp: 76

Ion Ratio Lower Upper

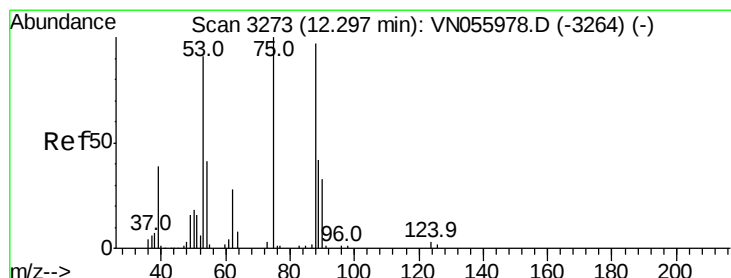
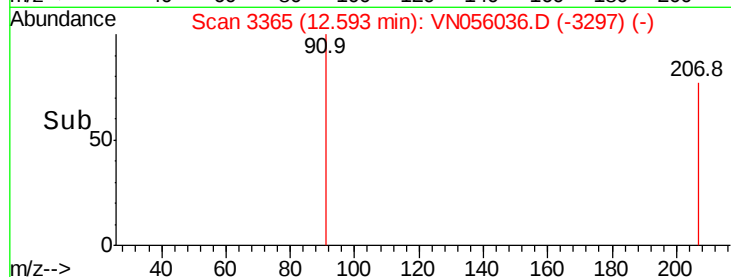
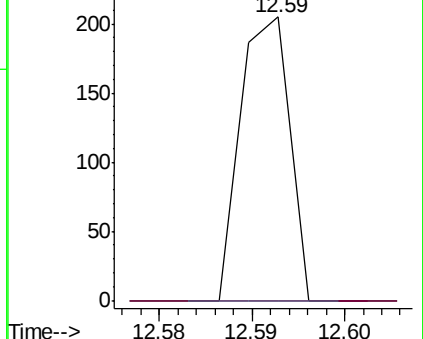
91 100

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: 110.044 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056036.D

Acq: 6 Jun 2019 11:09

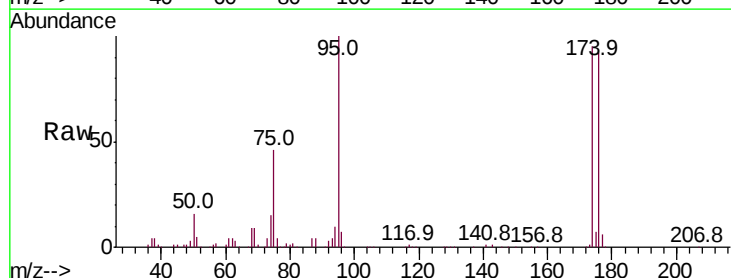
Tgt Ion: 75 Resp: 94724

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

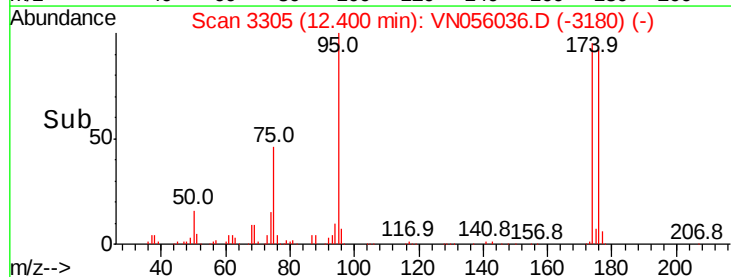
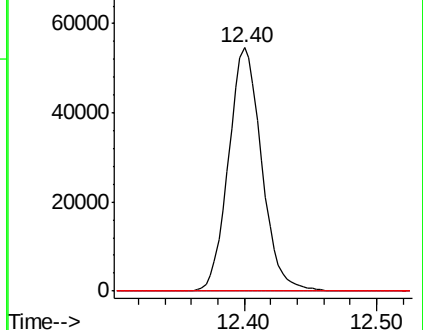
89 0.0 36.9 55.3#

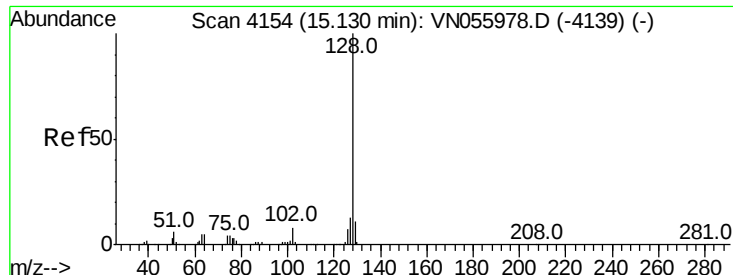


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.889 ug/l

RT: 15.15 min Scan# 4159

Delta R.T. 0.02 min

Lab File: VN056036.D

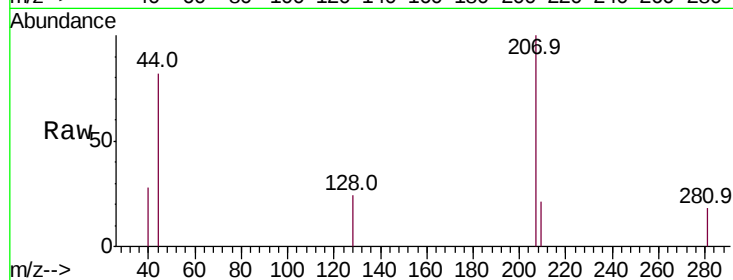
Acq: 6 Jun 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion:128 Resp: 307

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#

