

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056759.D
 Acq On : 16 Jul 2019 11:30
 Operator : JC/SP
 Sample : K3834-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-1

Quant Time: Jul 17 01:07:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	274481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	482350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	509537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184945	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	159046	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
35) Dibromofluoromethane	7.59	113	146042	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.09	98	609167	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.40	95	219105	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	

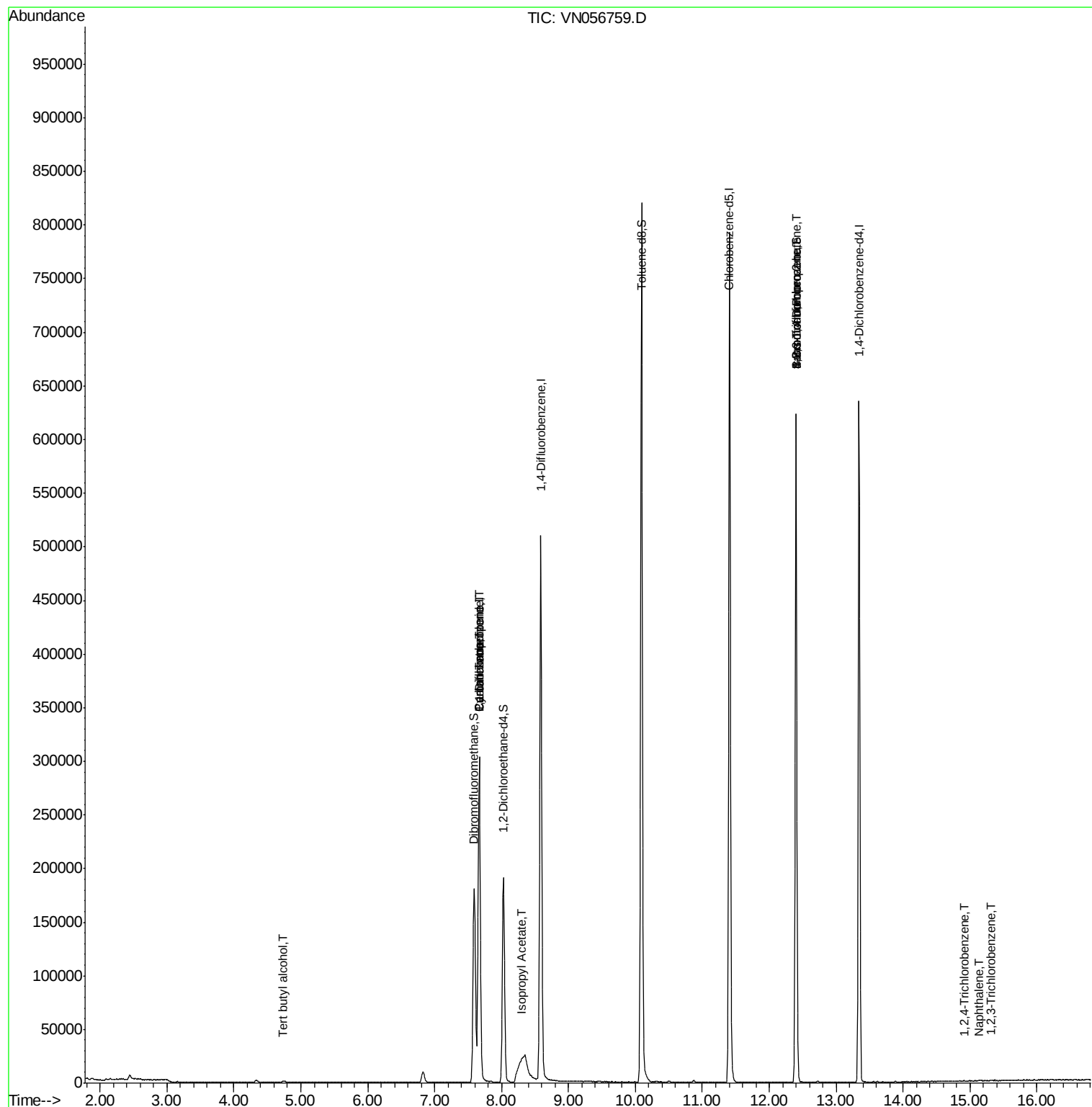
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	447	0.885	ug/l #	73
18) Methyl Acetate	4.33	43	2013	Below Cal	#	62
31) Cyclohexane	7.66	56	4144	0.854	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17145	3.841	ug/l #	49
38) Carbon Tetrachloride	7.67	117	23860	5.700	ug/l #	15
43) Isopropyl Acetate	8.30	43	30611	4.426	ug/l #	53
71) Bromoform	12.40	173	1380	0.473	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	102930	25.446	ug/l #	100
79) 2-Chlorotoluene	12.59	91	204	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	102930	78.586	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	104	3.718	ug/l #	85
95) Naphthalene	15.13	128	474	4.569	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	389	3.424	ug/l #	66

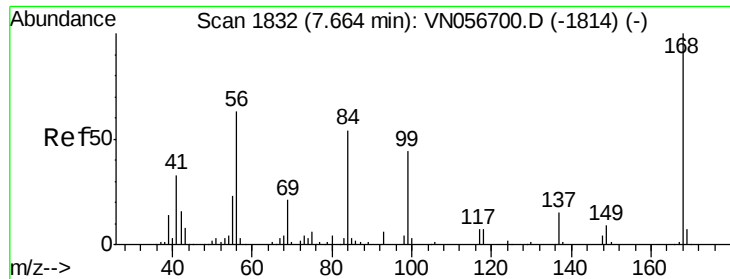
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056759.D

Acq: 16 Jul 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

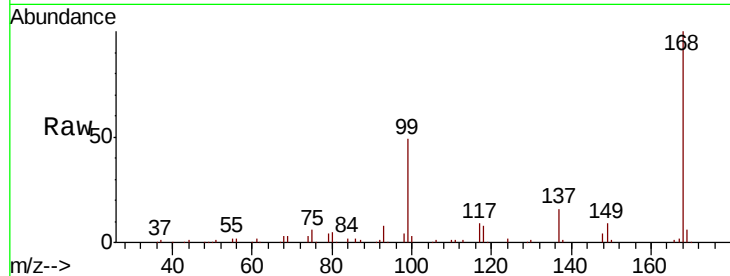
TB-1

Tot Ion:168 Resp: 274481

Ion Ratio Lower Upper

168 100

99 49.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

60000

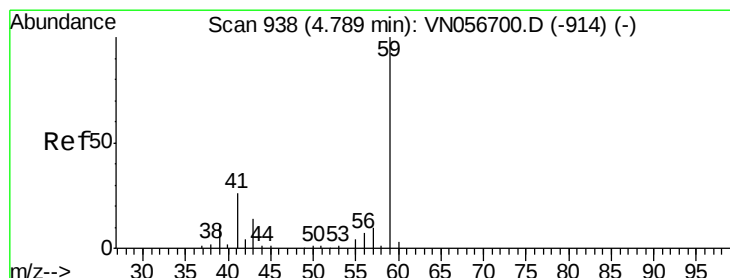
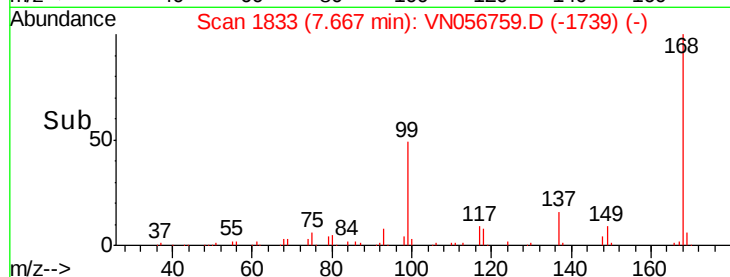
40000

20000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.885 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.06 min

Lab File: VN056759.D

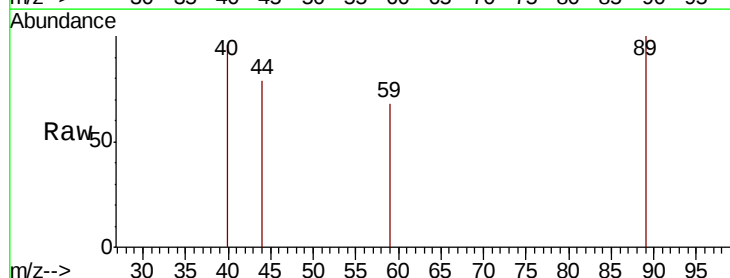
Acq: 16 Jul 2019 11:30

Tgt Ion: 59 Resp: 447

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

400

300

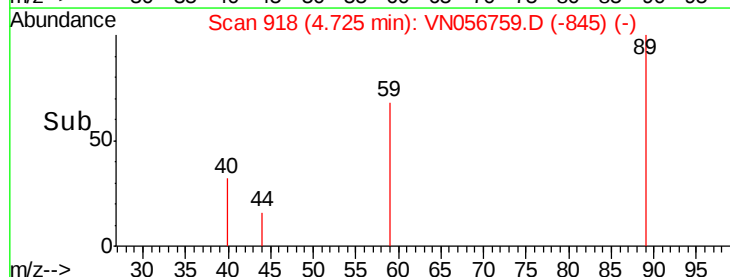
200

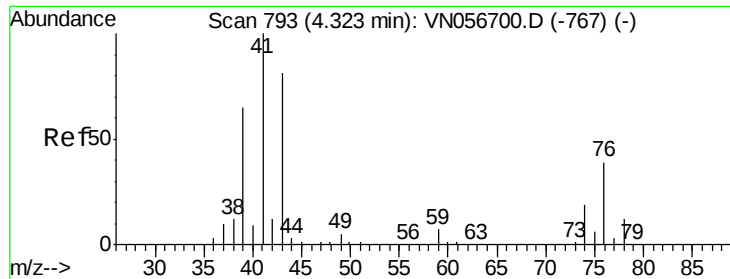
100

0

Time-->

4.70 4.72 4.74





#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056759.D

Acq: 16 Jul 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

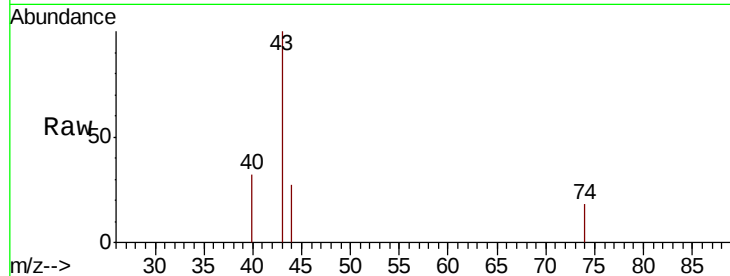
TB-1

Tot Ion: 43 Resp: 2013

Ion Ratio Lower Upper

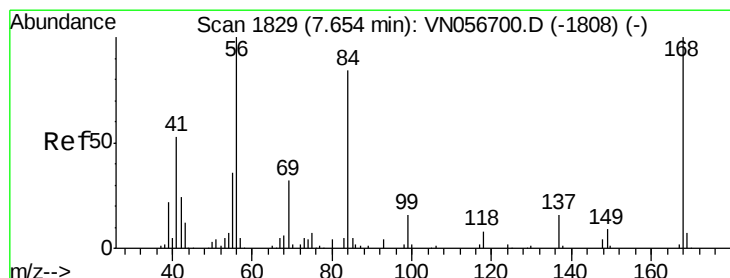
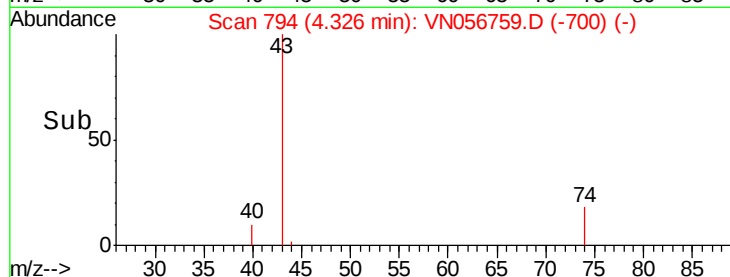
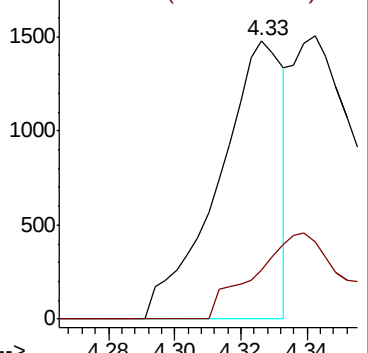
43 100

74 42.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#31

Cyclohexane

Concen: 0.854 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056759.D

Acq: 16 Jul 2019 11:30

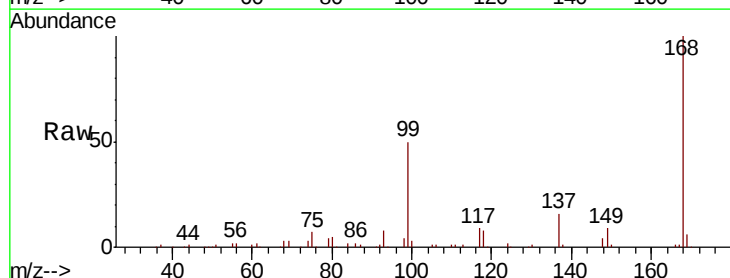
Tgt Ion: 56 Resp: 4144

Ion Ratio Lower Upper

56 100

69 195.5 25.8 38.8#

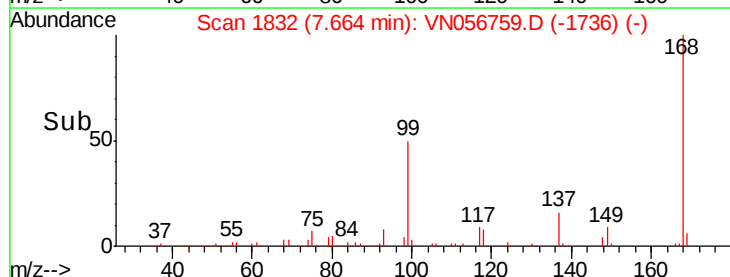
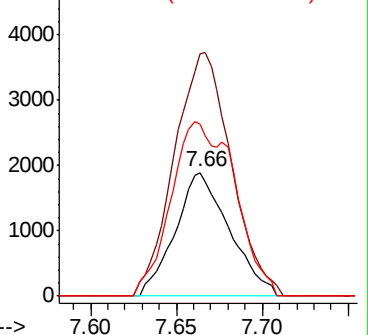
84 139.4 67.4 101.0#

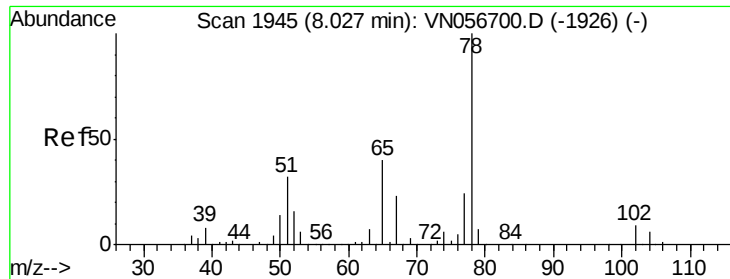


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

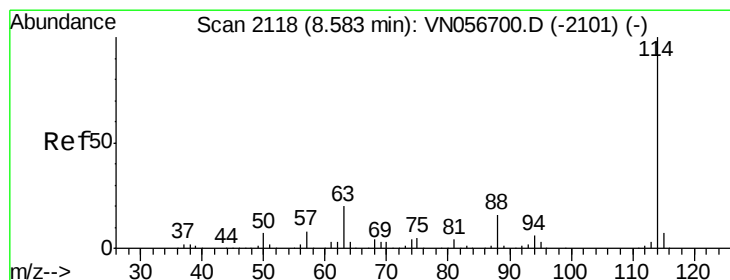
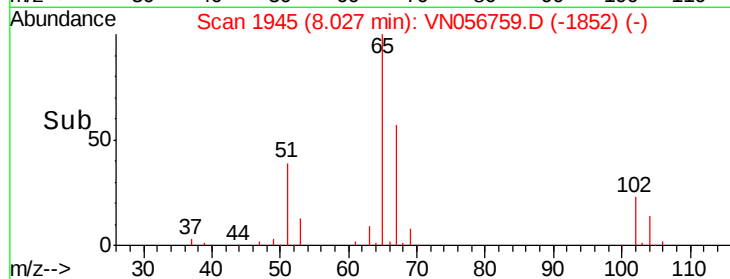
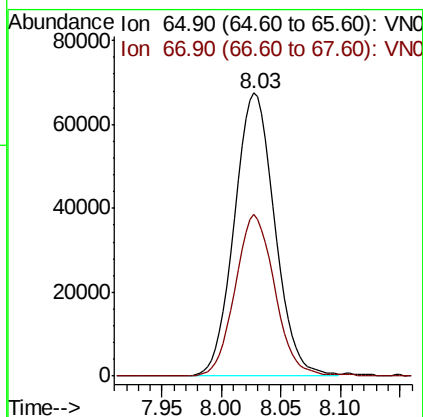
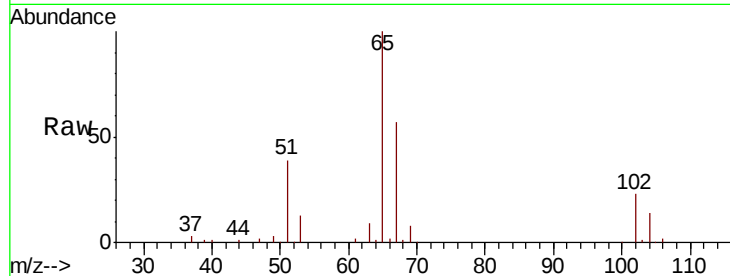




#33
 1,2-Dichloroethane-d4
 Concen: 52.384 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056759.D
 Acq: 16 Jul 2019 11:30

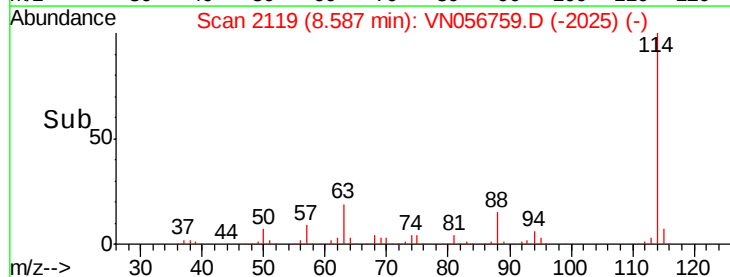
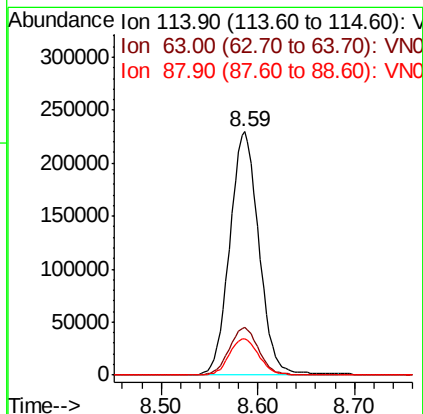
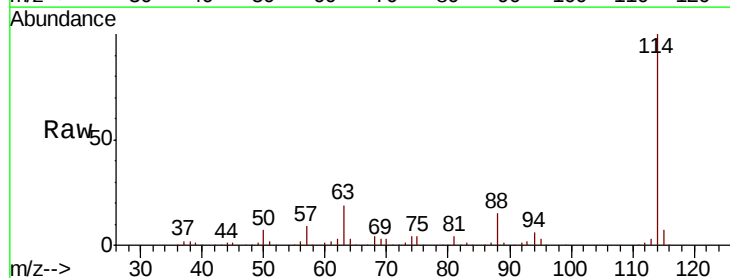
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-1

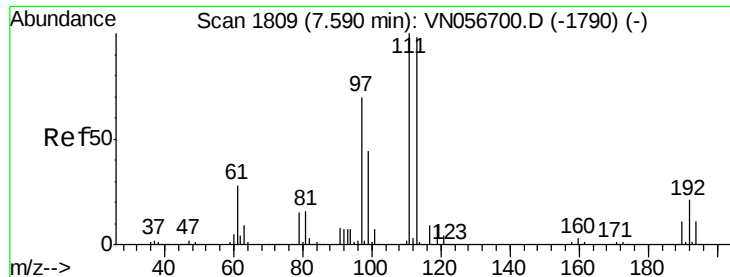
Tot Ion: 65 Resp: 159046
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056759.D
 Acq: 16 Jul 2019 11:30

Tgt Ion: 114 Resp: 482350
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 15.0 0.0 31.2

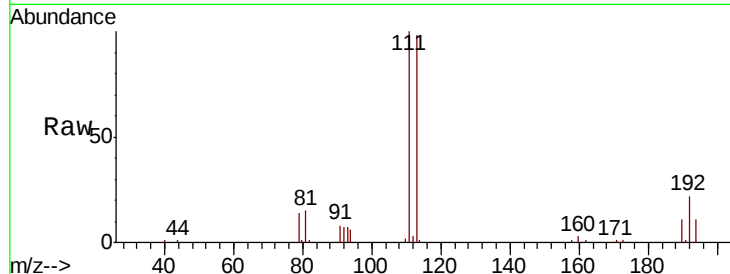




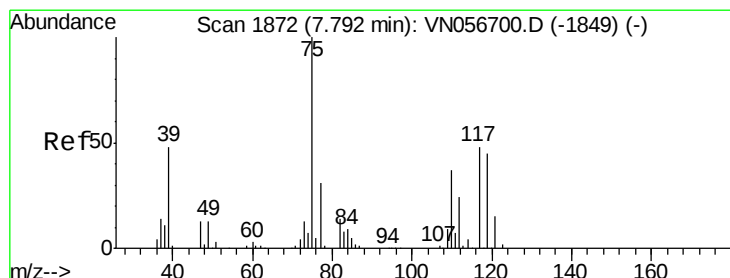
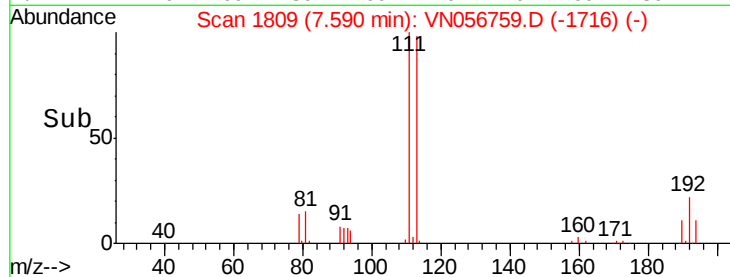
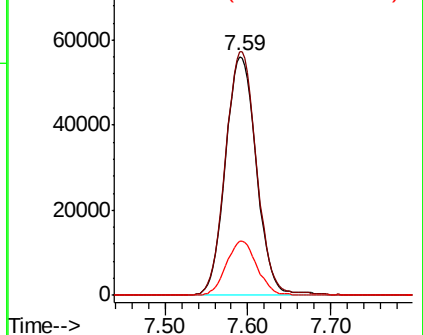
#35
 Dibromofluoromethane
 Concen: 48.652 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056759.D
 Acq: 16 Jul 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-1

Tot Ion:113 Resp: 146042
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 22.4 17.5 26.3

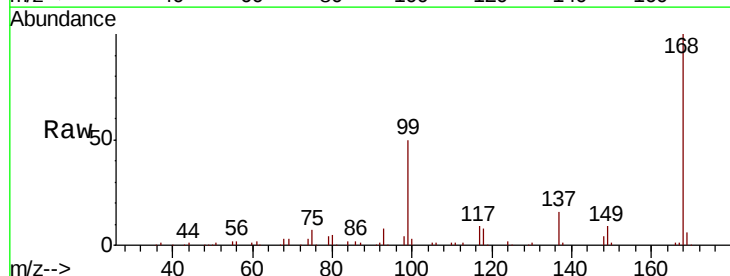


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

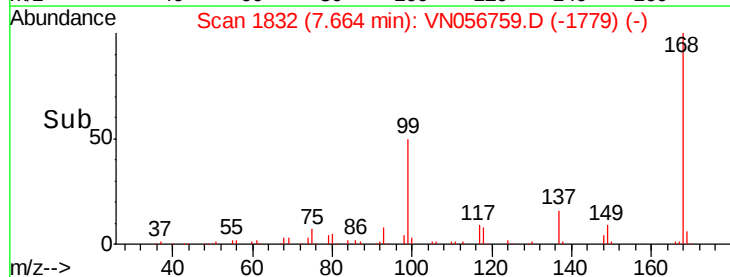
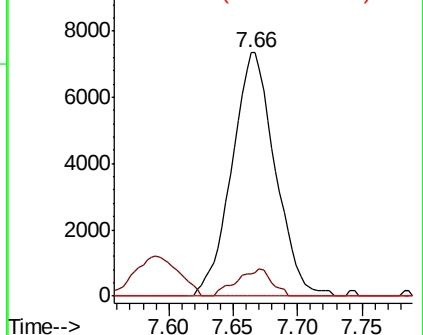


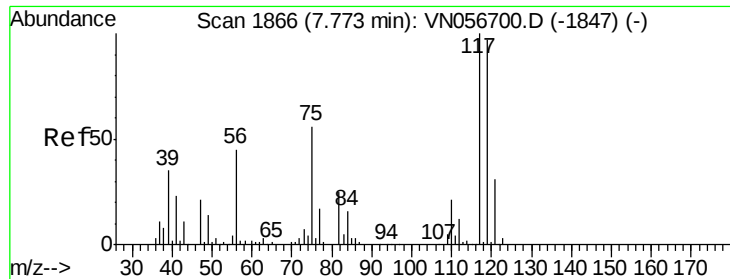
#36
 1,1-Dichloropropene
 Concen: 3.841 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056759.D
 Acq: 16 Jul 2019 11:30

Tgt Ion: 75 Resp: 17145
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.4#
 77 0.0 24.6 36.8#



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

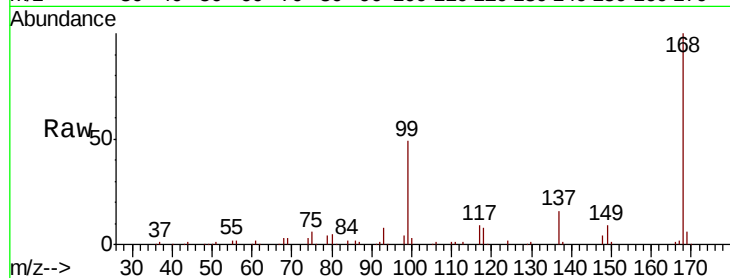




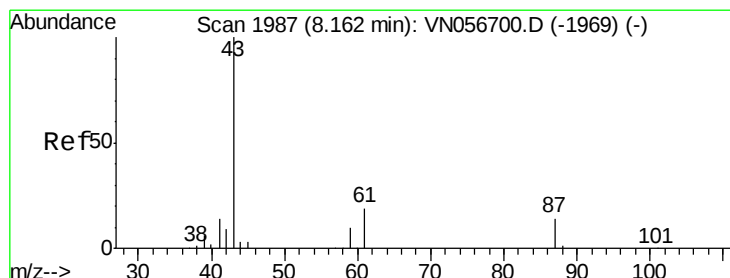
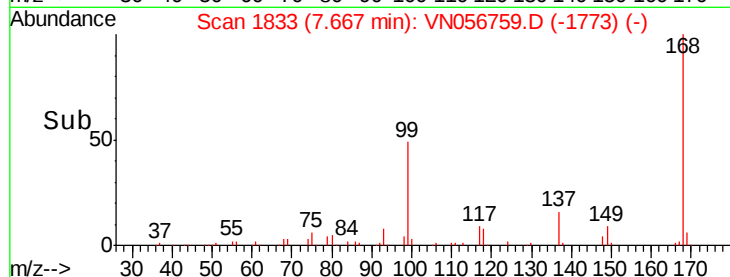
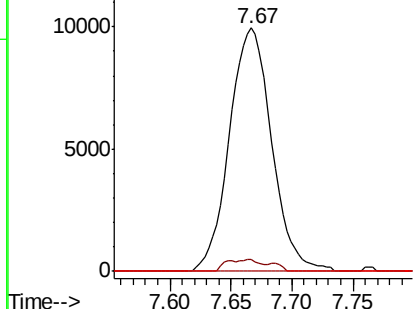
#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
TB-1

Tot Ion:117 Resp: 23860
Ion Ratio Lower Upper
117 100
119 4.8 77.5 116.3#
121 0.0 24.7 37.1#

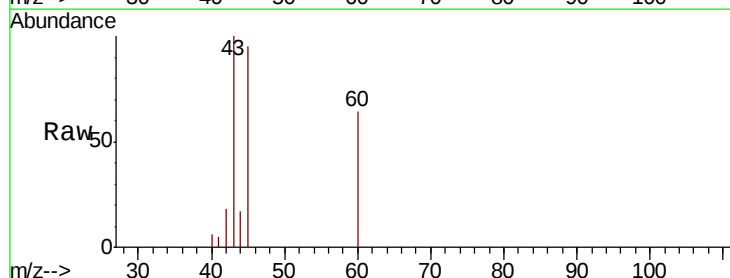


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

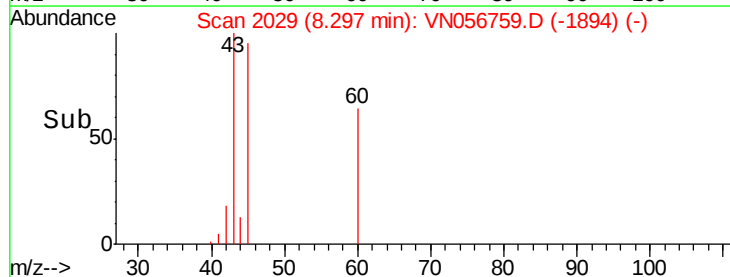
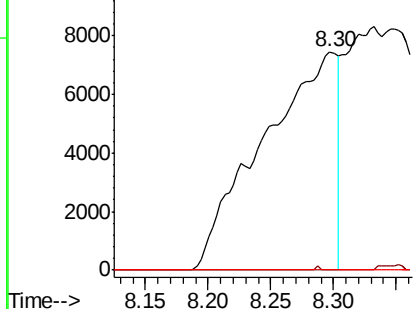


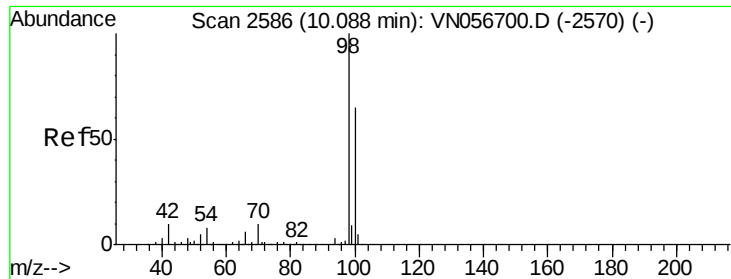
#43
Isopropyl Acetate
Concen: 4.426 ug/l
RT: 8.30 min Scan# 2029
Delta R.T. 0.13 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

Tgt Ion: 43 Resp: 30611
Ion Ratio Lower Upper
43 100
61 0.0 22.3 33.5#
87 0.0 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

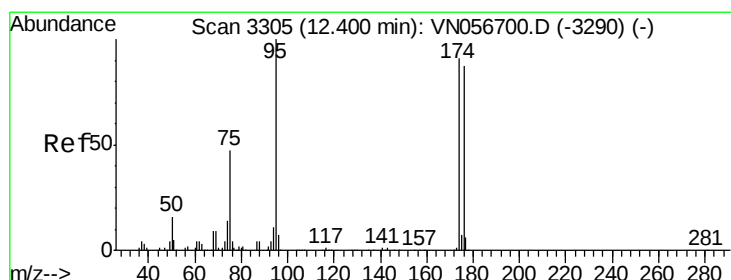
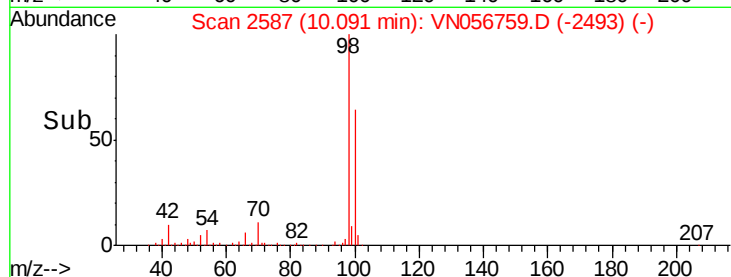
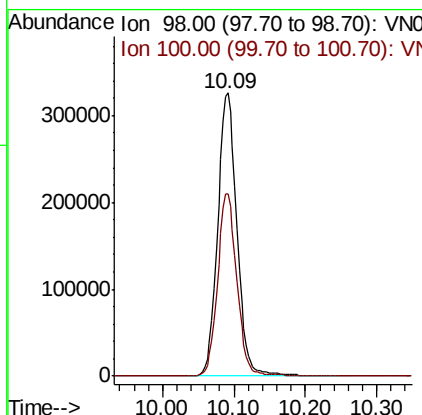
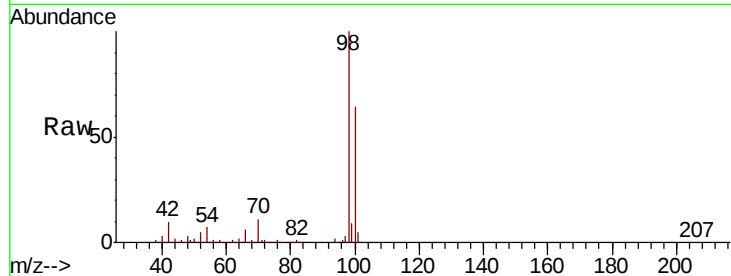




#50
Toluene-d8
Concen: 52.544 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

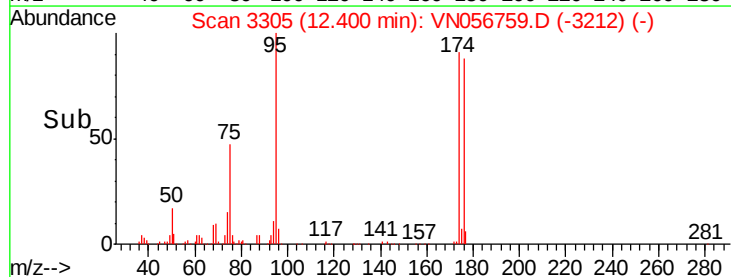
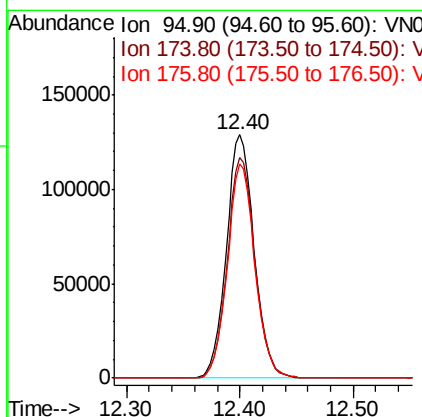
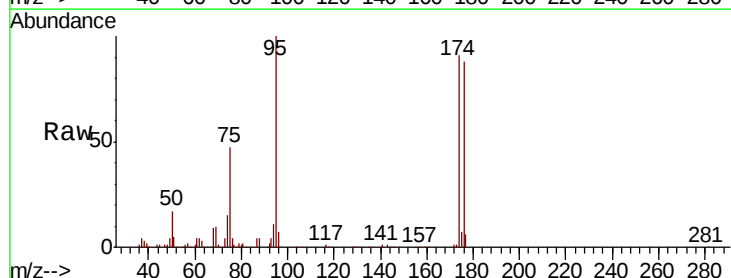
Instrument :
MSVOA_N
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TB-1

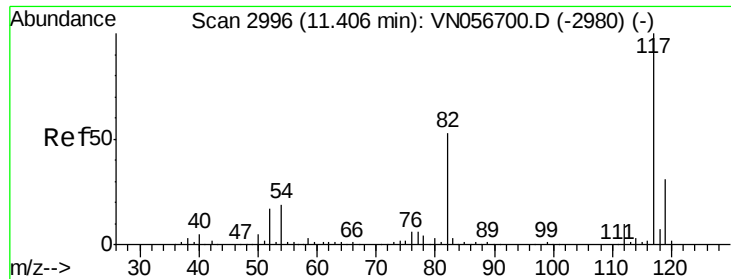
Tot Ion: 98 Resp: 609167
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 56.041 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

Tgt Ion: 95 Resp: 219105
Ion Ratio Lower Upper
95 100
174 91.1 0.0 180.0
176 87.5 0.0 173.2

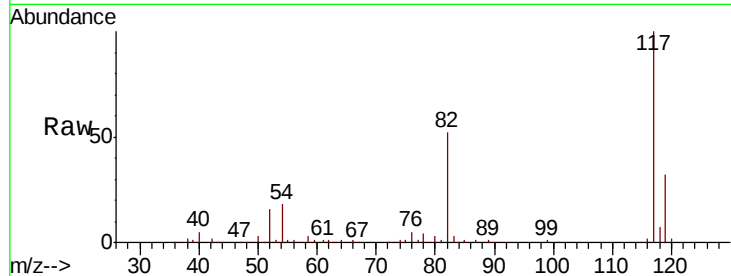




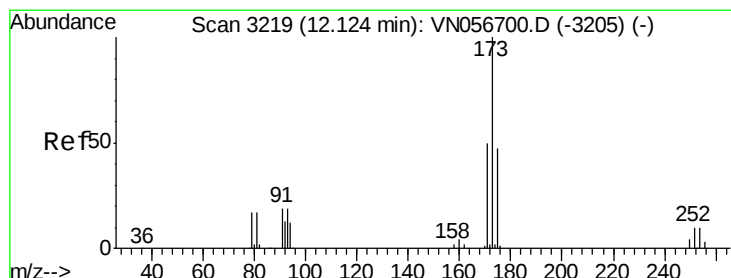
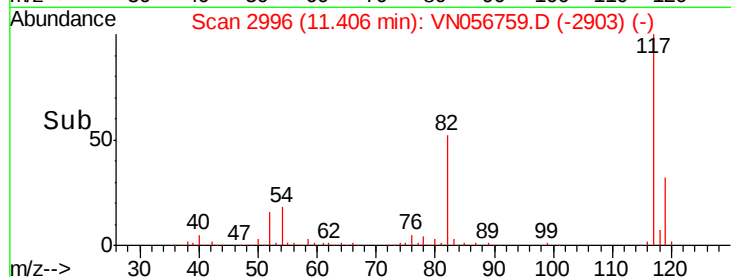
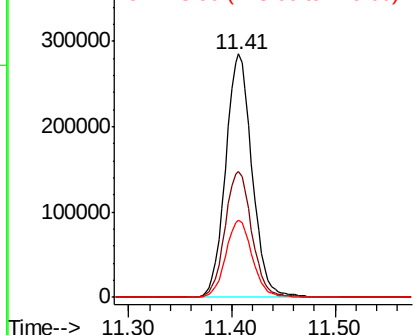
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tot Ion:117 Resp: 509537
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 31.7 25.2 37.8

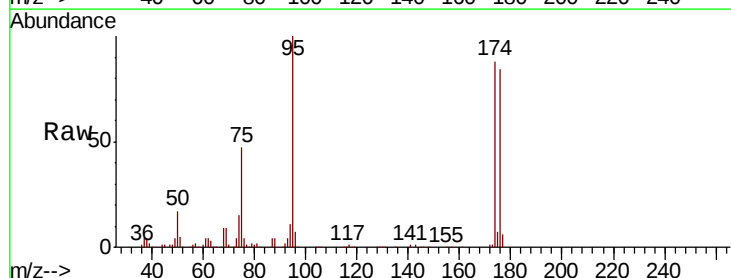


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

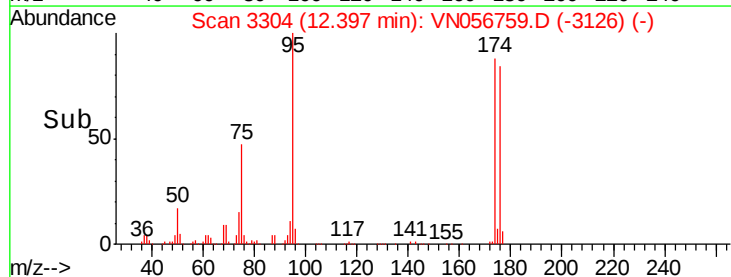
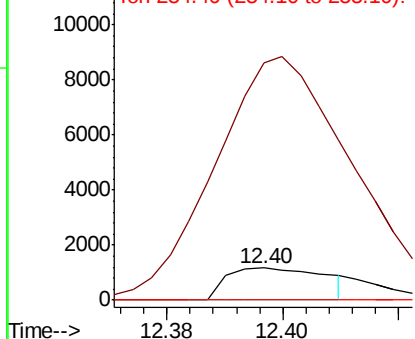


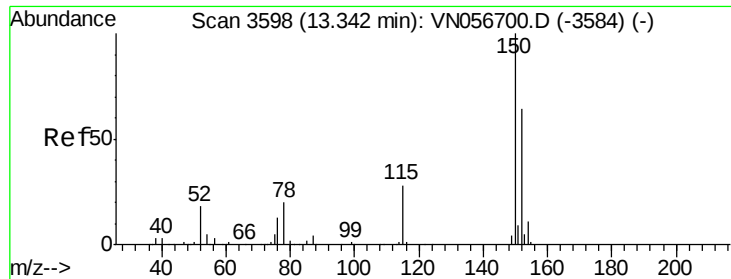
#71
Bromoform
Concen: 0.473 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

Tgt Ion:173 Resp: 1380
Ion Ratio Lower Upper
173 100
175 864.9 23.8 71.4#
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



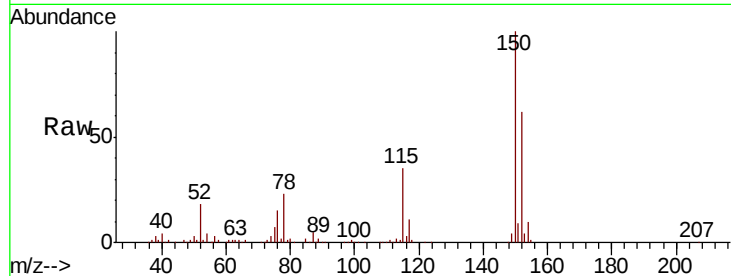


#72

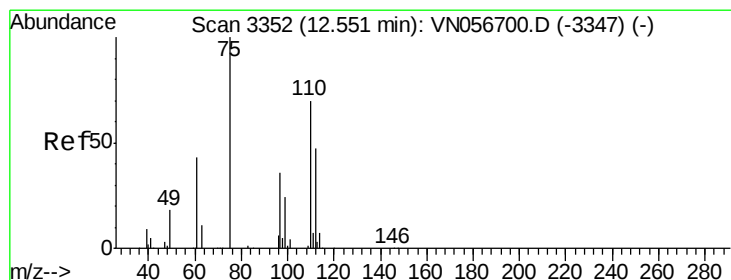
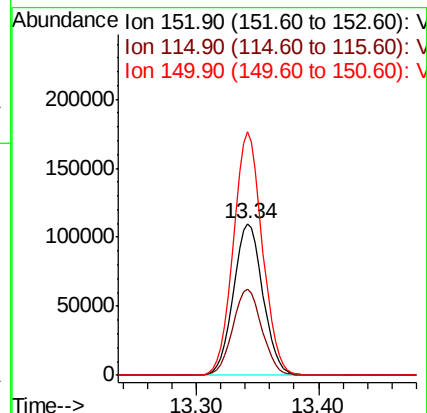
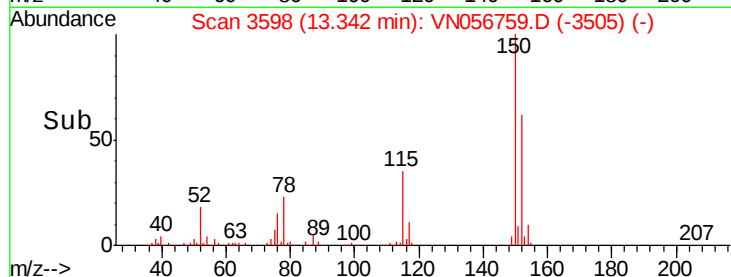
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
TB-1

Tot Ion:152 Resp: 184945
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 157.6 0.0 345.8



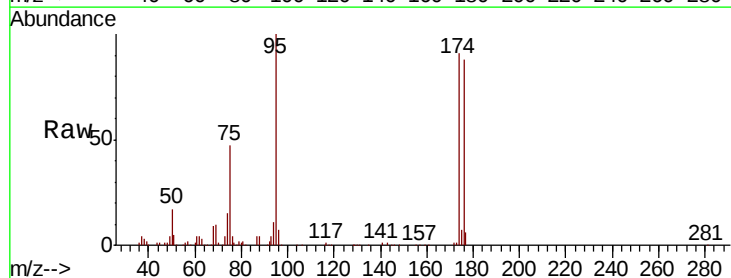
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



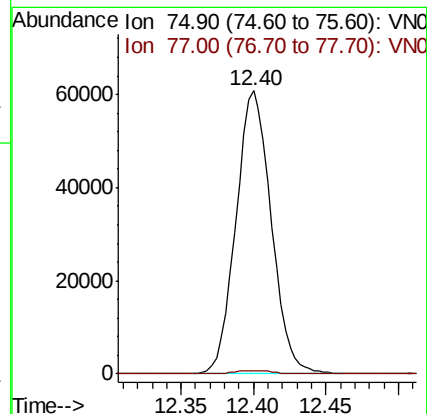
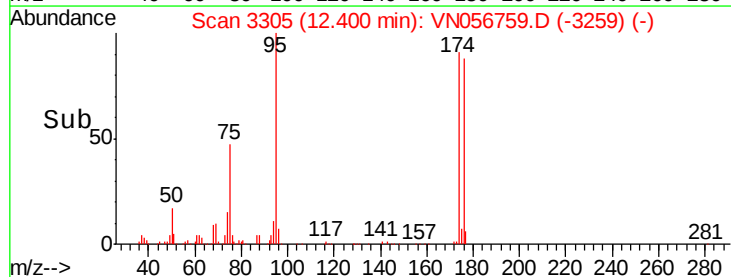
#76

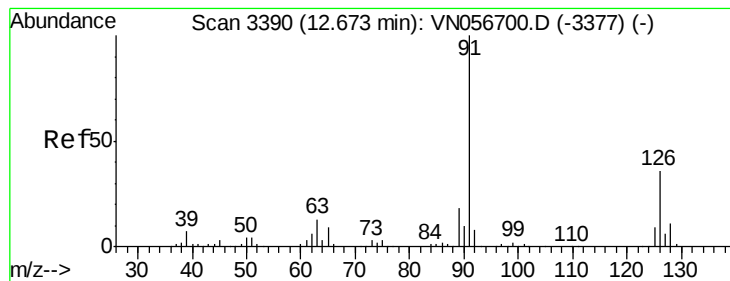
1,2,3-Trichloropropane
Concen: 25.446 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056759.D
Acq: 16 Jul 2019 11:30

Tgt Ion: 75 Resp: 102930
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056759.D

Acq: 16 Jul 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

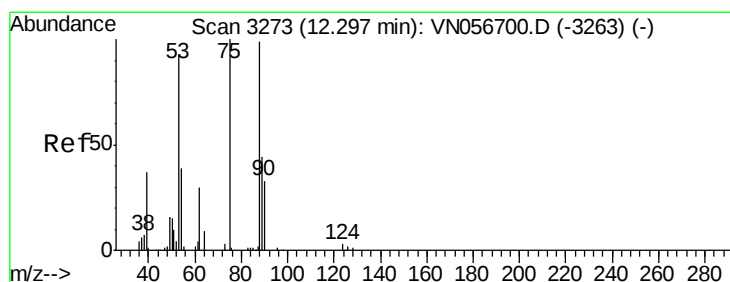
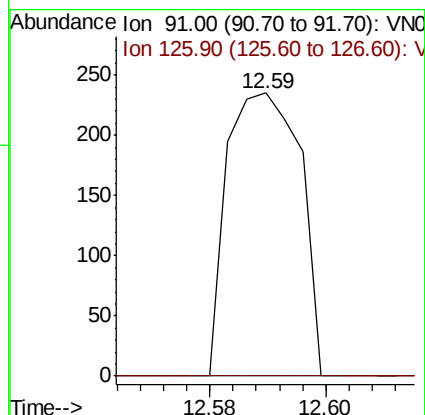
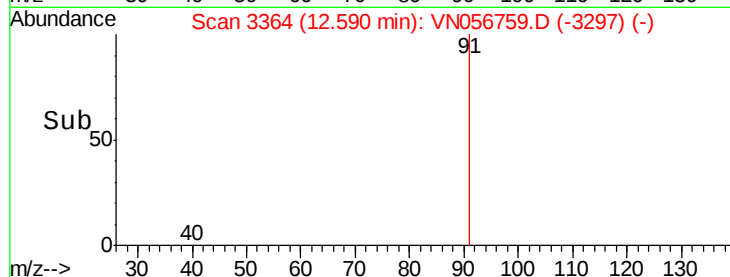
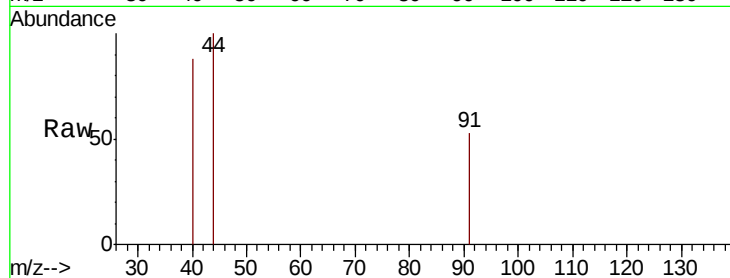
TB-1

Tot Ion: 91 Resp: 204

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.586 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056759.D

Acq: 16 Jul 2019 11:30

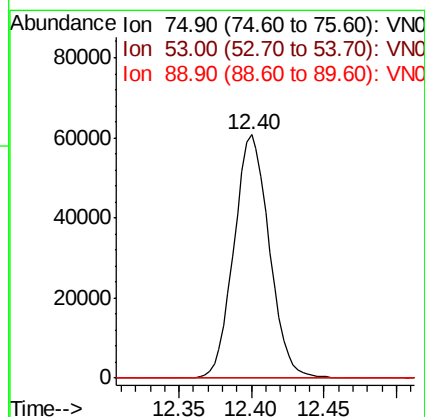
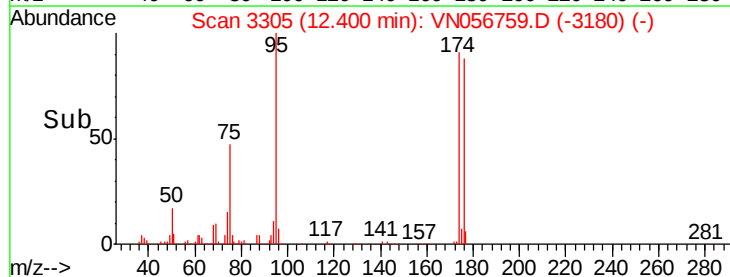
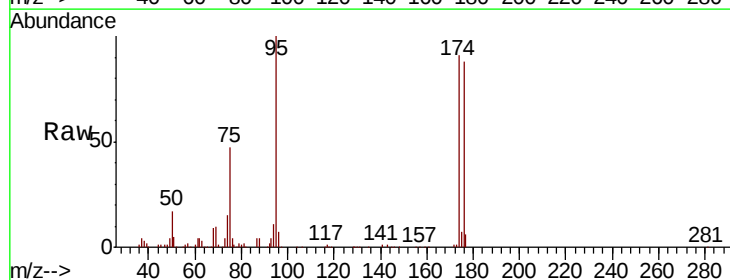
Tgt Ion: 75 Resp: 102930

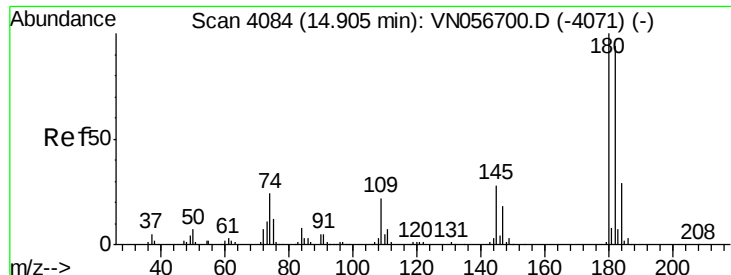
Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

89 0.0 36.2 54.2#

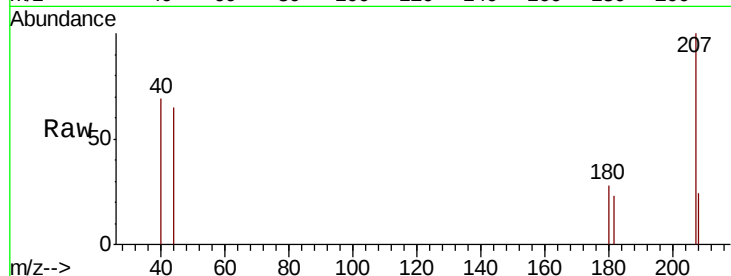




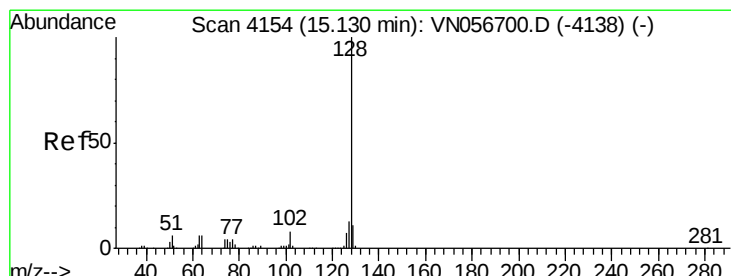
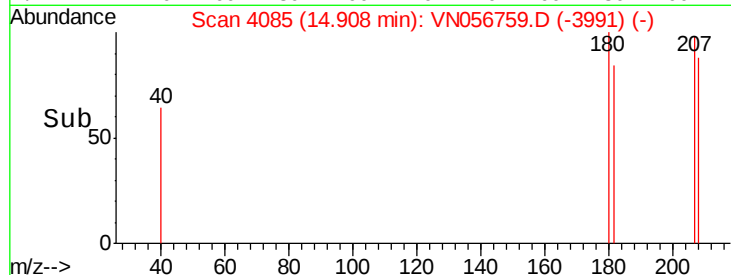
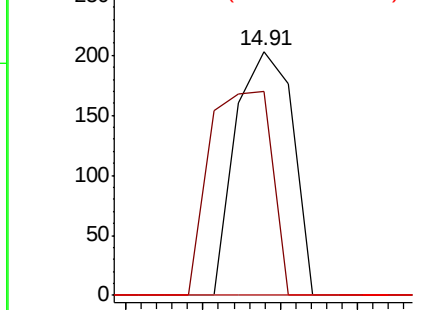
#93
 1,2,4-Trichlorobenzene
 Concen: 3.718 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056759.D
 Acq: 16 Jul 2019 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 TB-1

Tot Ion:180 Resp: 104
 Ion Ratio Lower Upper
 180 100
 182 91.3 47.2 141.6
 145 0.0 14.2 42.8#

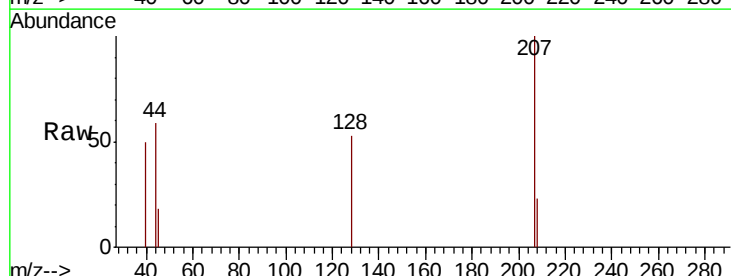


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

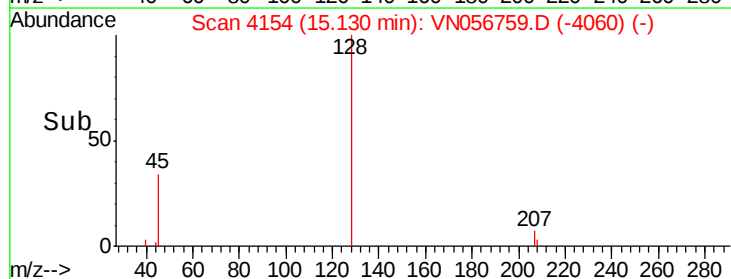
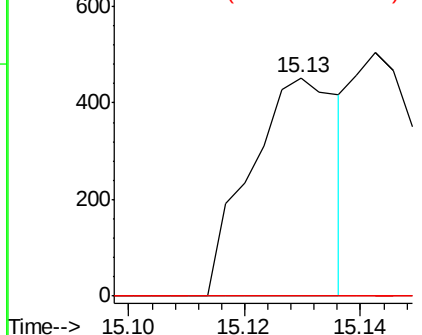


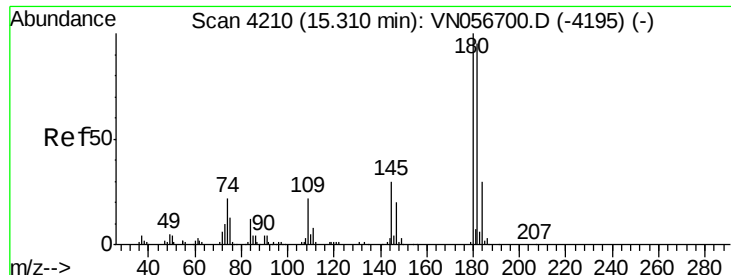
#95
 Naphthalene
 Concen: 4.569 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056759.D
 Acq: 16 Jul 2019 11:30

Tgt Ion:128 Resp: 474
 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): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.424 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN056759.D
 Acq: 16 Jul 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-1

Tot Ion	Ratio	Lower	Upper
180	100		
182	68.1	47.1	141.3
145	0.0	15.0	45.1#

