

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057896.D
 Acq On : 11 Sep 2019 4:26
 Operator : JC/SP
 Sample : K4820-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-04-091019

Quant Time: Sep 11 05:20:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

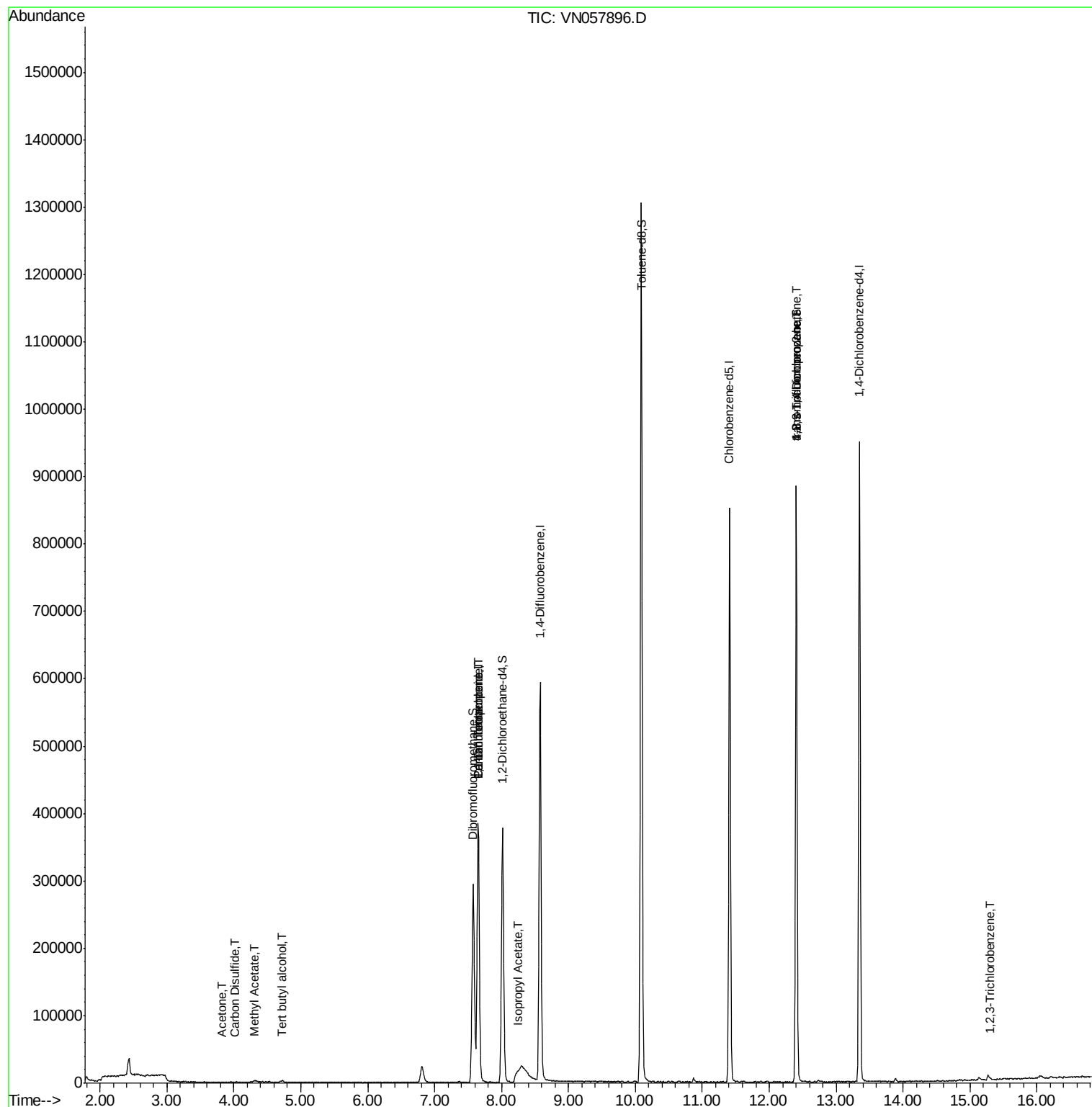
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	297542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	513303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238802	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	324183	53.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.58%	
35) Dibromofluoromethane	7.58	113	222437	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.90%	
50) Toluene-d8	10.09	98	908214	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	298230	42.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.10%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.55	94	1218	Below Cal		82
11) Tert butyl alcohol	4.73	59	2006	2.750 ug/l #		72
16) Acetone	3.83	43	1105	0.559 ug/l #		47
17) Carbon Disulfide	4.02	76	531	0.266 ug/l #		75
18) Methyl Acetate	4.32	43	3506	0.666 ug/l #		80
20) Methylene Chloride	4.52	84	288	Below Cal #		58
31) Cyclohexane	7.65	56	7370	Below Cal #		11
36) 1,1-Dichloropropene	7.65	75	25356	4.259 ug/l #		51
38) Carbon Tetrachloride	7.65	117	31216	5.743 ug/l #		16
43) Isopropyl Acetate	8.24	43	16838	1.628 ug/l #		56
76) 1,2,3-Trichloropropane	12.40	75	162638	30.106 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	162638	105.945 ug/l #		6
95) Naphthalene	15.13	128	3842	Below Cal #		94
96) 1,2,3-Trichlorobenzene	15.30	180	721	1.144 ug/l		93

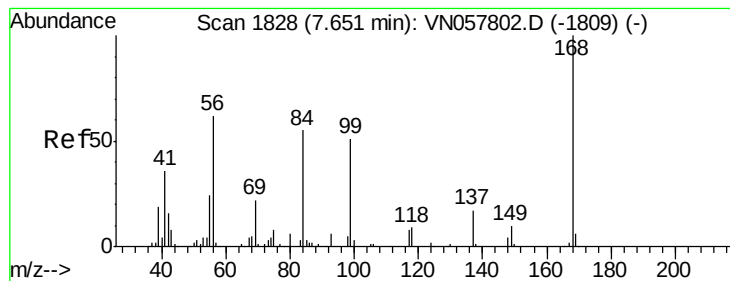
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

Instrument :

MSVOA_N

ClientSampleId :

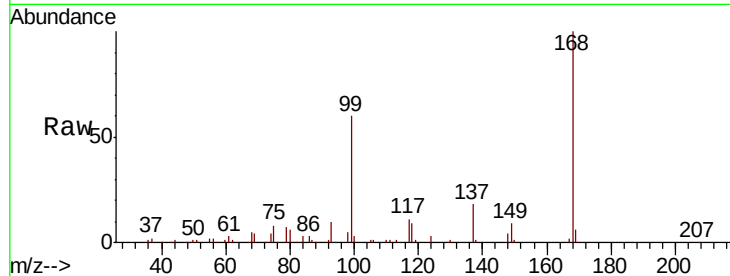
TB-04-091019

Tgt Ion:168 Resp: 297542

Ion Ratio Lower Upper

168 100

99 59.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D

Ion 98.90 (98.60 to 99.60): VN057802.D

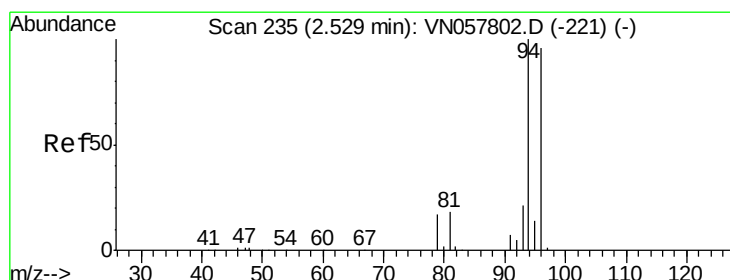
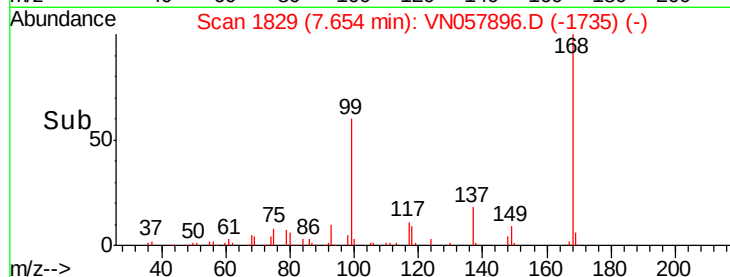
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN057896.D

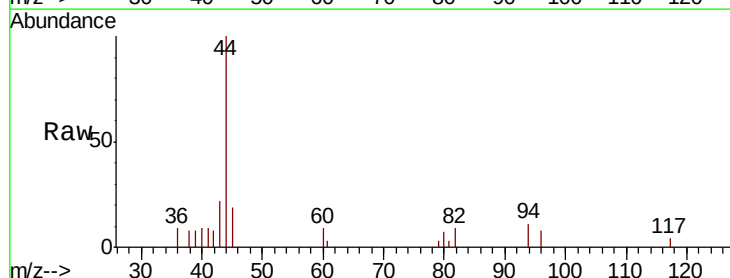
Acq: 11 Sep 2019 4:26

Tgt Ion: 94 Resp: 1218

Ion Ratio Lower Upper

94 100

96 78.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D

Ion 95.90 (95.60 to 96.60): VN057802.D

2.55

600

500

400

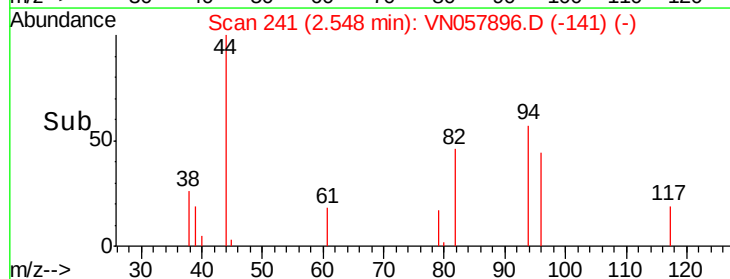
300

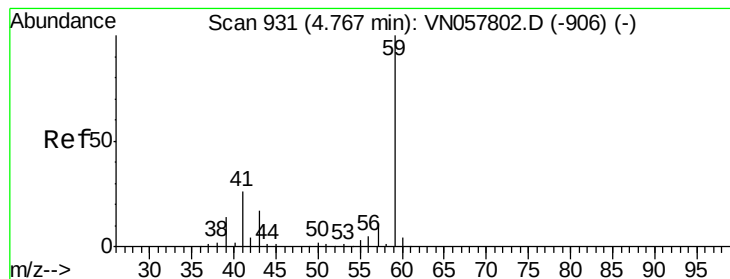
200

100

0

Time-->



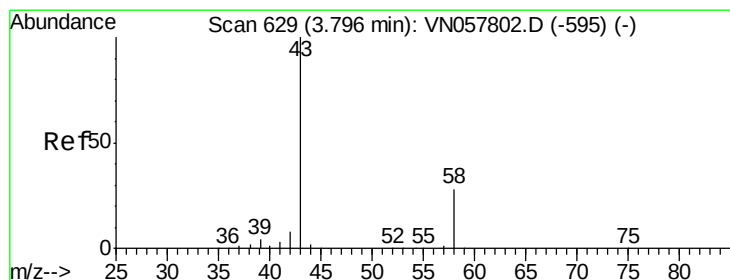
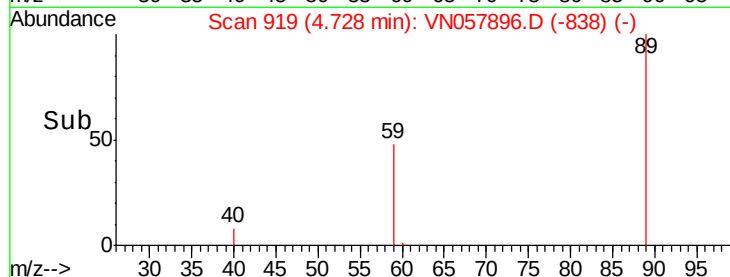
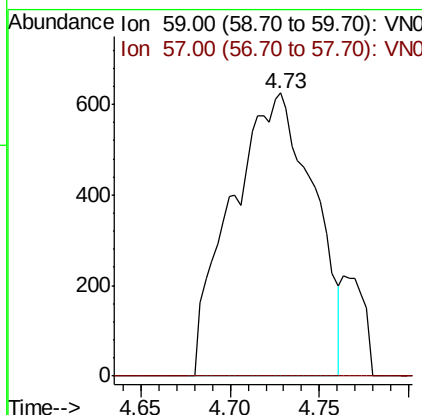
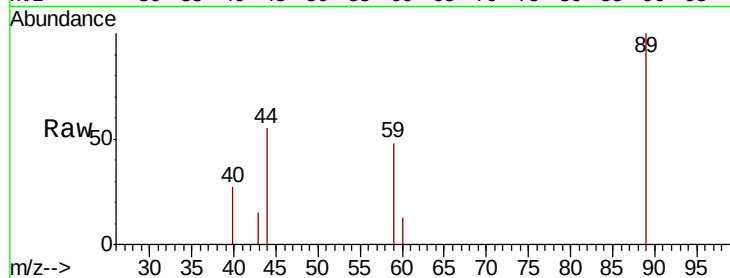


#11

Tert butyl alcohol
 Concen: 2.750 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.04 min
 Lab File: VN057896.D
 Acq: 11 Sep 2019 4:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-04-091019

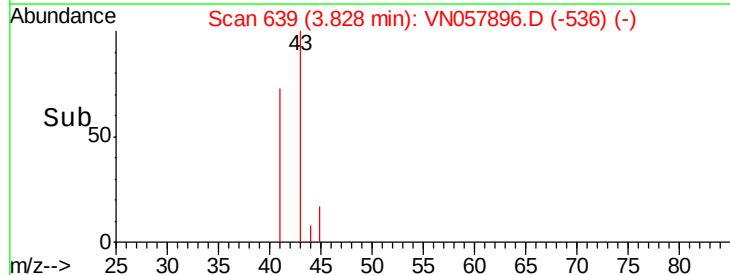
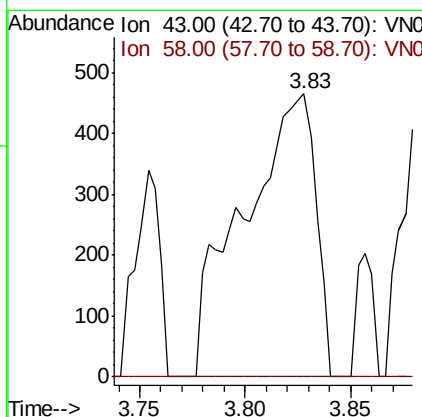
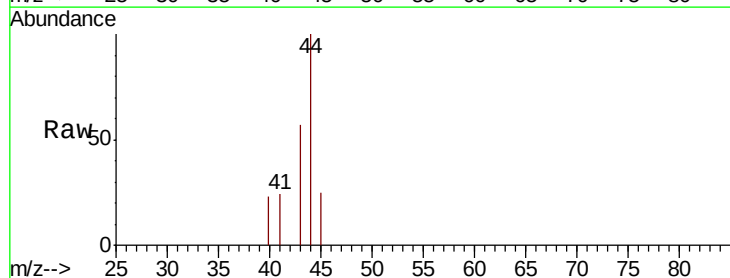
Tgt Ion: 59 Resp: 2006
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

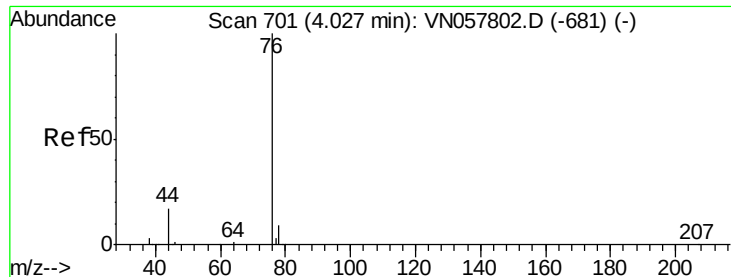


#16

Acetone
 Concen: 0.559 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: VN057896.D
 Acq: 11 Sep 2019 4:26

Tgt Ion: 43 Resp: 1105
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.2 33.2#





#17

Carbon Disulfide

Concen: 0.266 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.01 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

Instrument :

MSVOA_N

ClientSampleId :

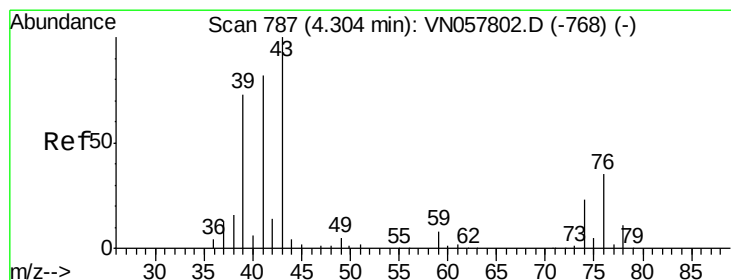
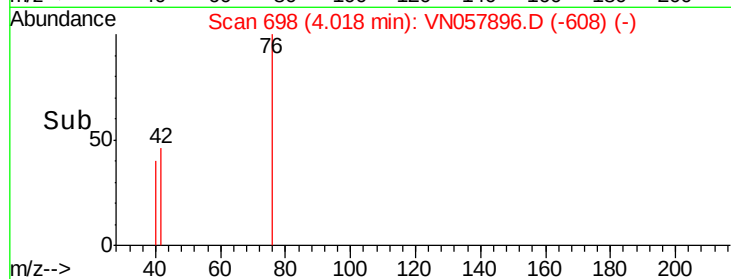
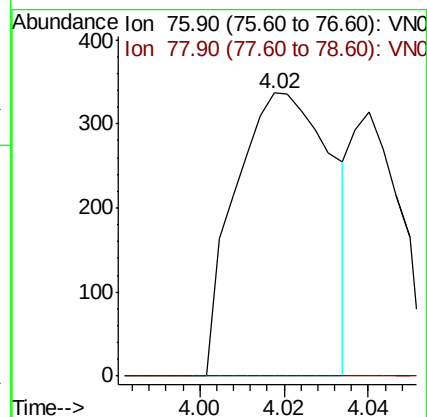
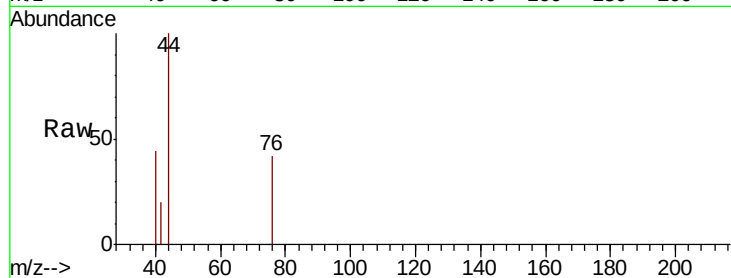
TB-04-091019

Tgt Ion: 76 Resp: 531

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.666 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057896.D

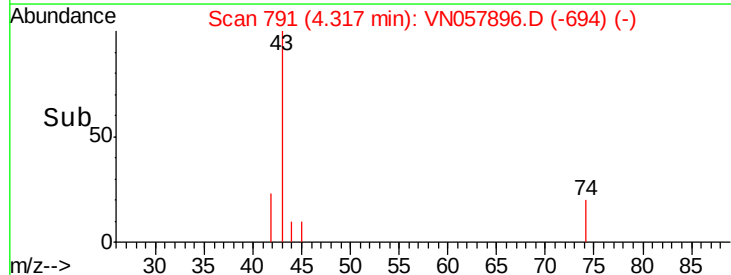
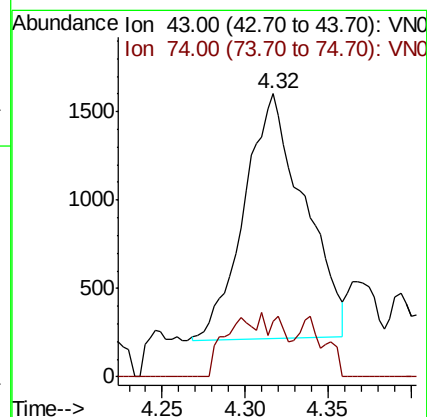
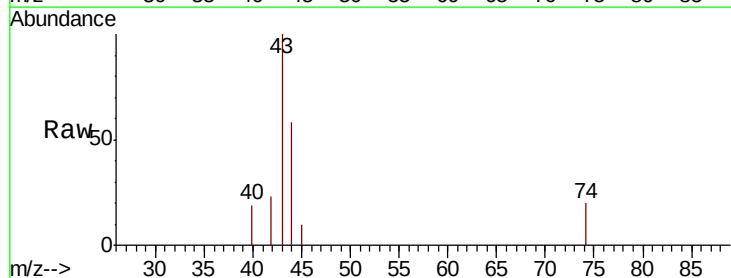
Acq: 11 Sep 2019 4:26

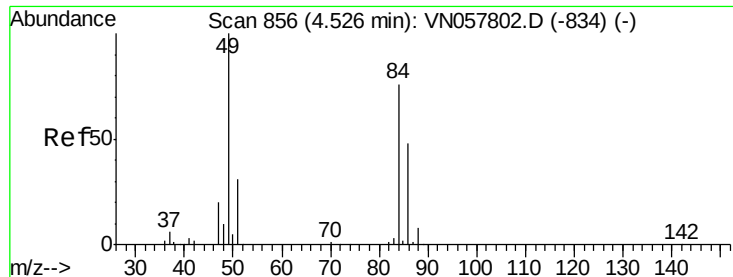
Tgt Ion: 43 Resp: 3506

Ion Ratio Lower Upper

43 100

74 13.0 17.9 26.9#

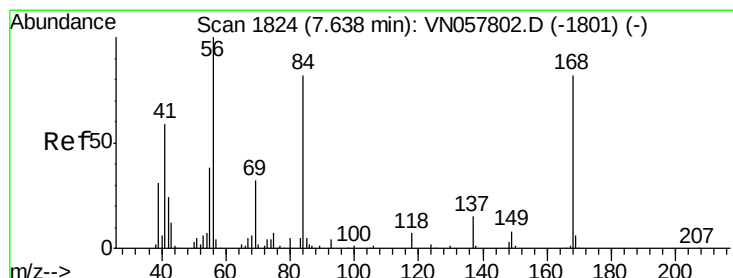
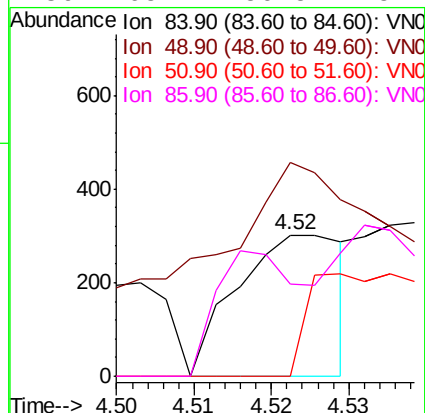
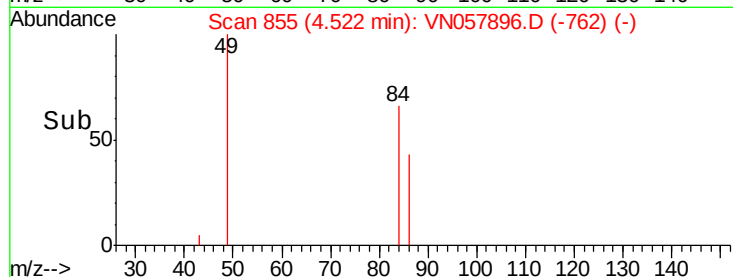
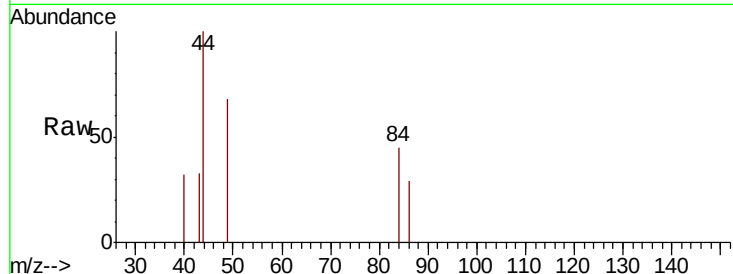




#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057896.D
Acq: 11 Sep 2019 4:26

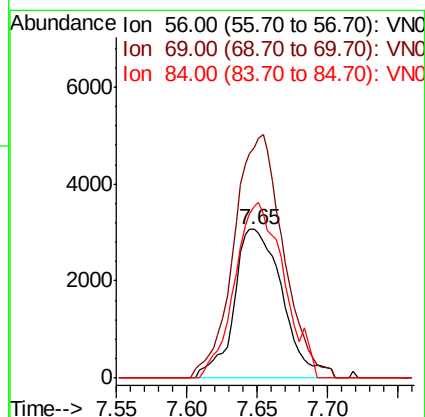
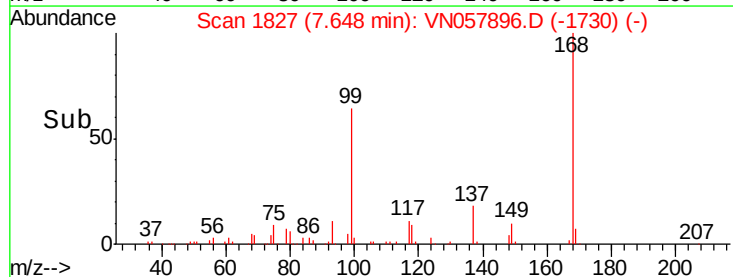
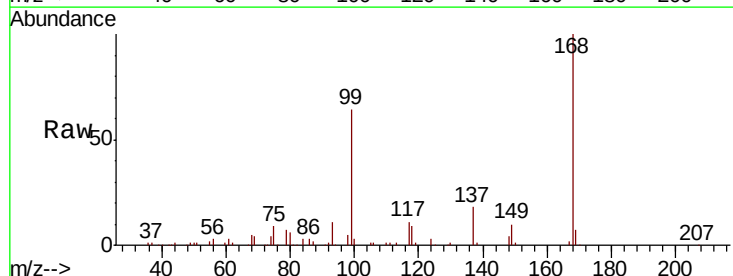
Instrument :
MSVOA_N
ClientSampleId :
TB-04-091019

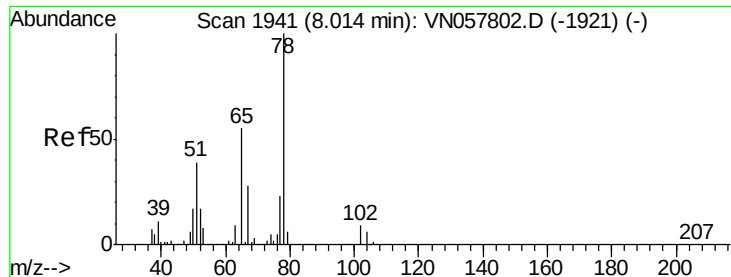
Tgt Ion: 84 Resp: 288
Ion Ratio Lower Upper
84 100
49 67.9 104.8 157.2#
51 0.0 33.0 49.4#
86 65.2 50.5 75.7



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057896.D
Acq: 11 Sep 2019 4:26

Tgt Ion: 56 Resp: 7370
Ion Ratio Lower Upper
56 100
69 155.5 25.9 38.9#
84 115.8 65.6 98.4#

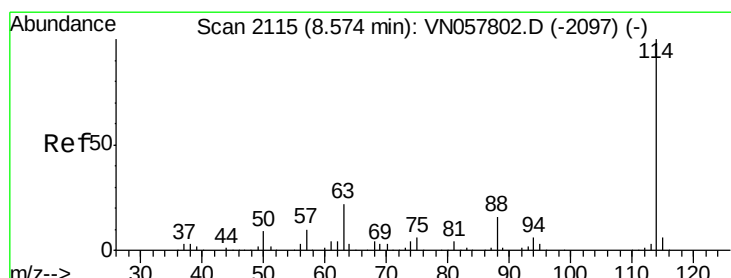
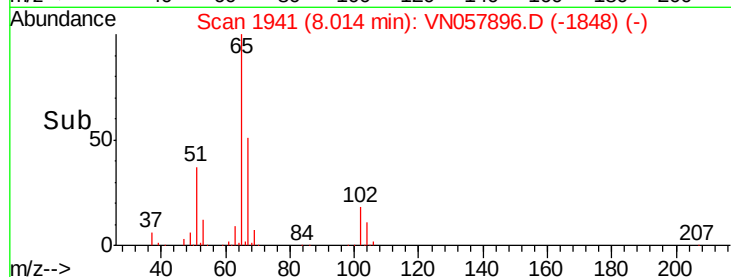
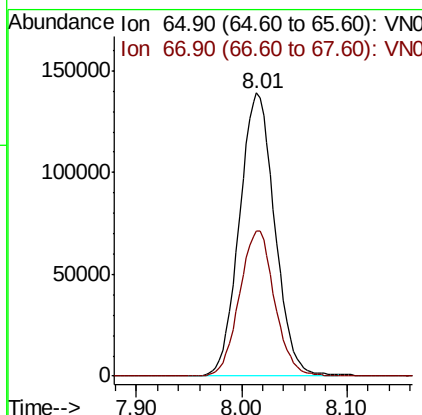
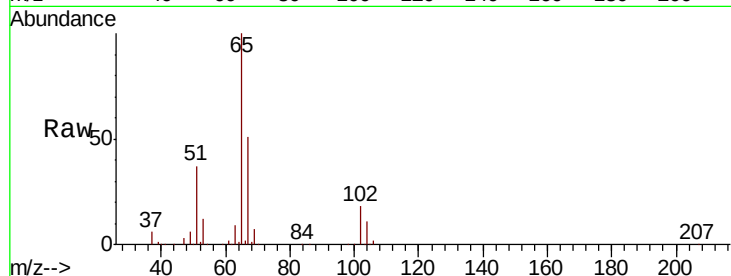




#33
 1,2-Dichloroethane-d4
 Concen: 53.793 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057896.D
 Acq: 11 Sep 2019 4:26

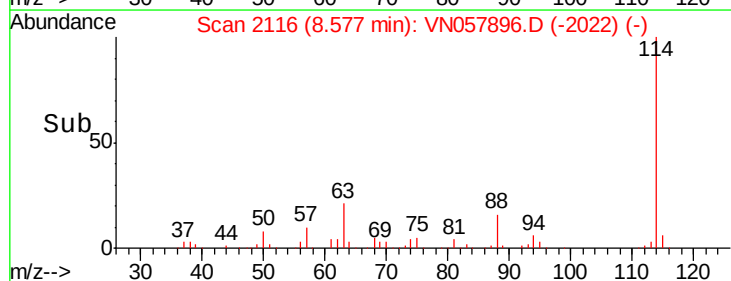
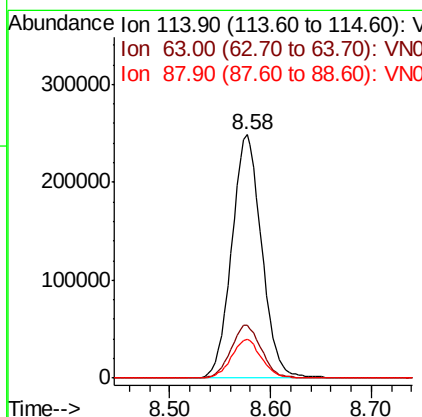
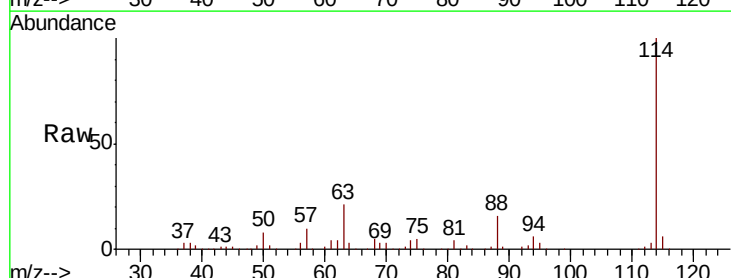
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-04-091019

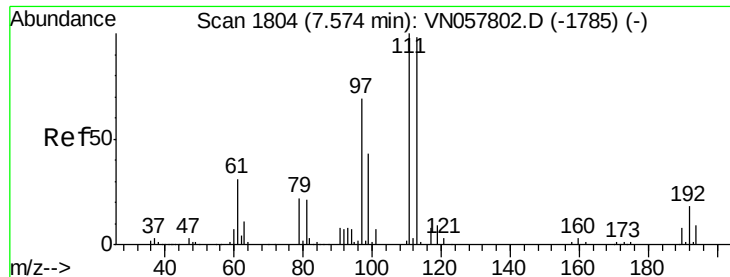
Tgt Ion: 65 Resp: 324183
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057896.D
 Acq: 11 Sep 2019 4:26

Tgt Ion: 114 Resp: 513303
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.0
 88 15.8 0.0 31.4

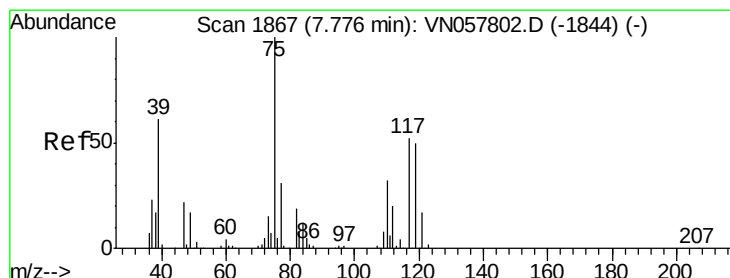
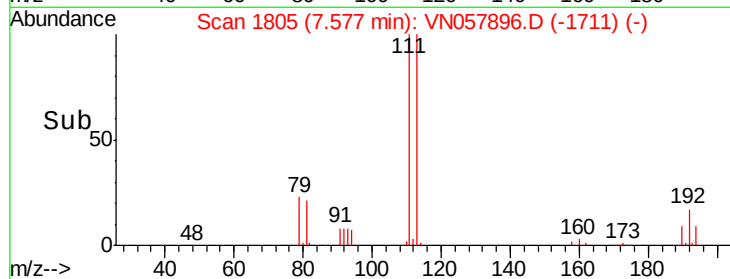
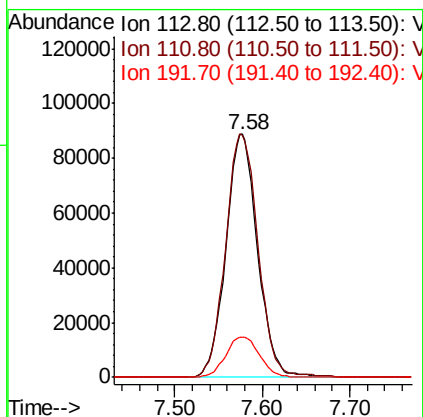
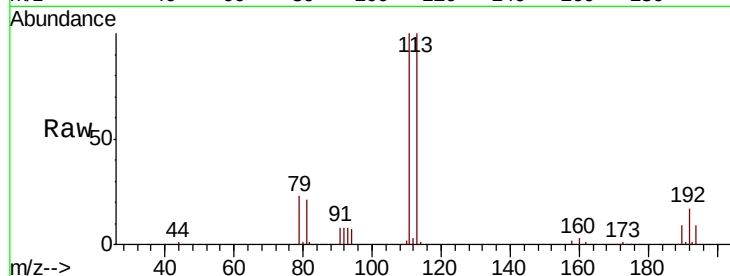




#35
 Dibromofluoromethane
 Concen: 46.952 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057896.D
 Acq: 11 Sep 2019 4:26

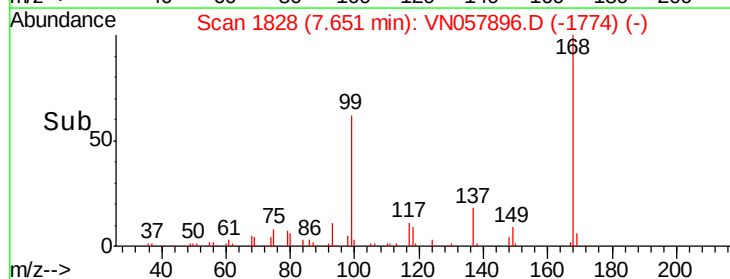
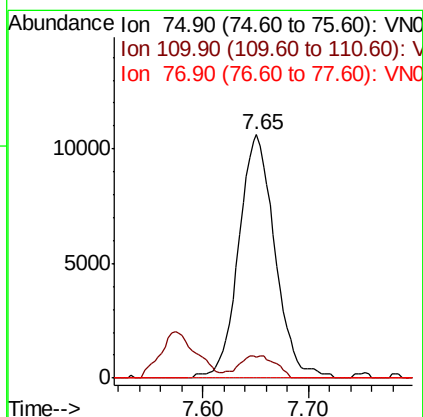
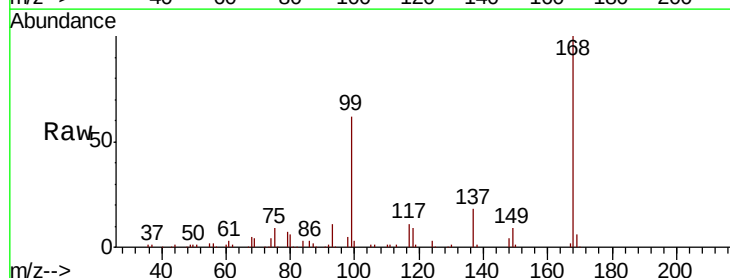
Instrument :
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 ClientSampleId :
 TB-04-091019

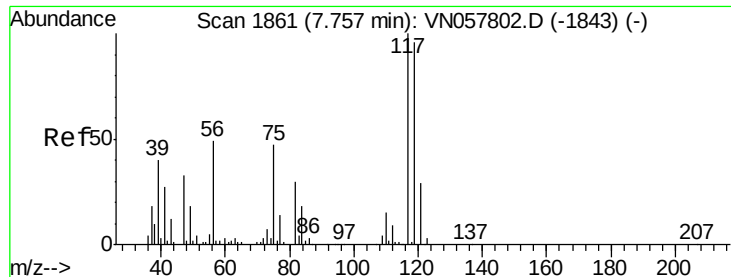
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.3	121.9
192	17.7	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.259 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057896.D
 Acq: 11 Sep 2019 4:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.743 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

Instrument :

MSVOA_N

ClientSampleId :

TB-04-091019

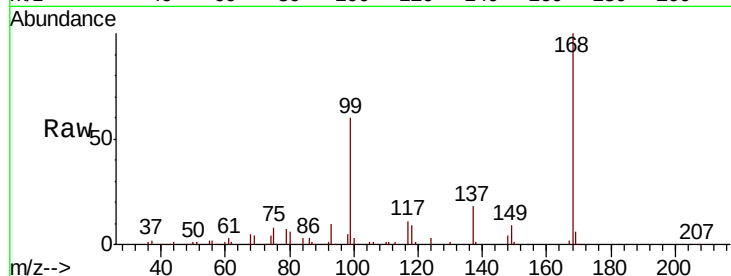
Tgt Ion:117 Resp: 31216

Ion Ratio Lower Upper

117 100

119 5.1 76.9 115.3#

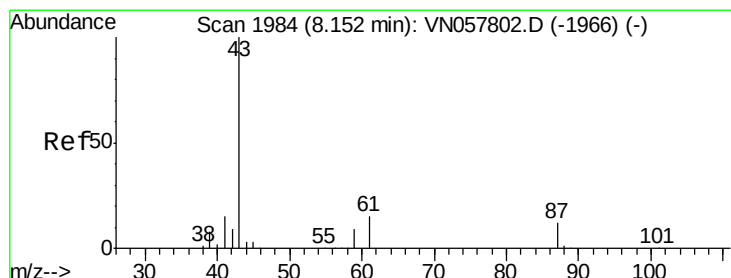
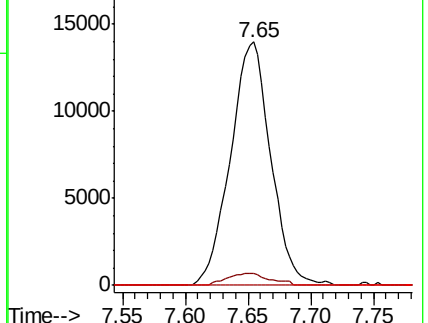
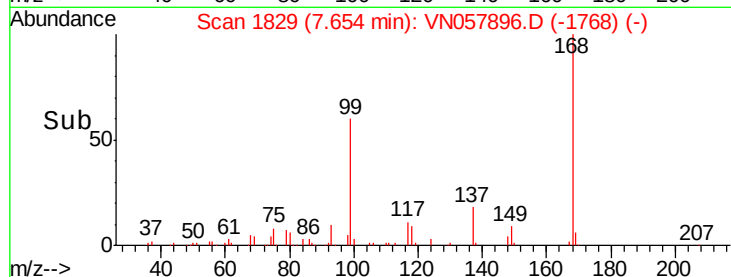
121 0.0 23.4 35.2#



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: 1.628 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.09 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

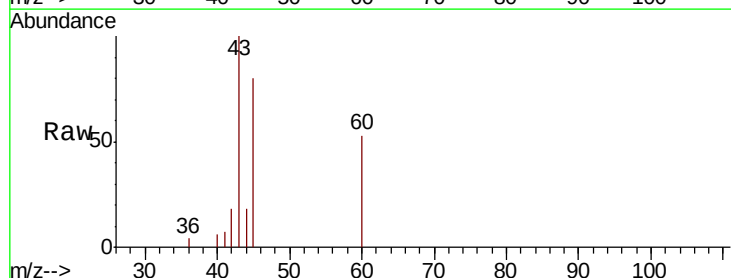
Tgt Ion: 43 Resp: 16838

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

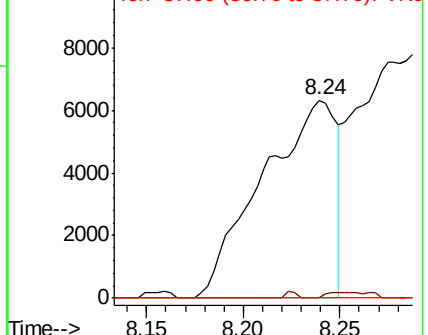
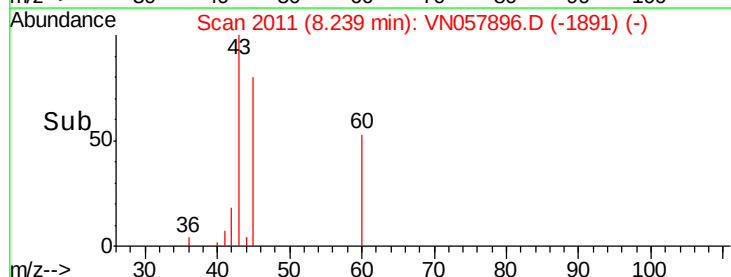
87 0.0 9.5 14.3#

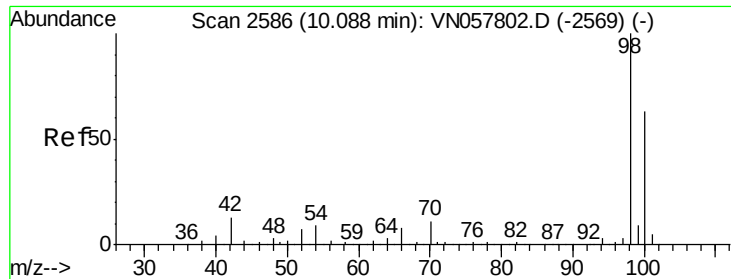


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.376 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

Instrument :

MSVOA_N

ClientSampleId :

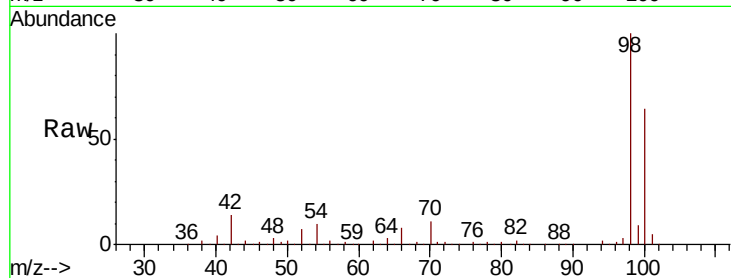
TB-04-091019

Tgt Ion: 98 Resp: 908214

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.09

500000

400000

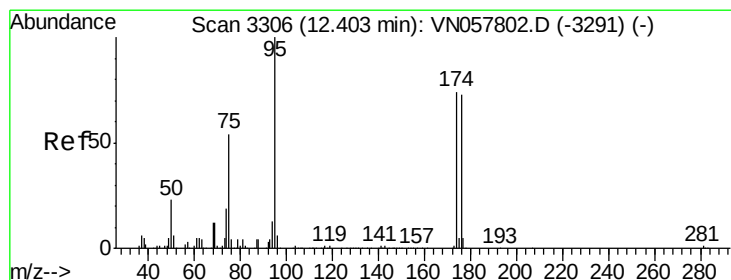
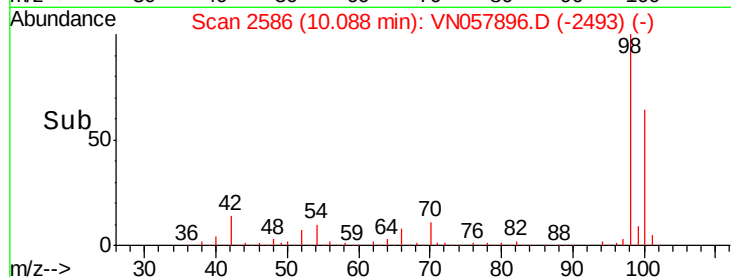
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.545 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

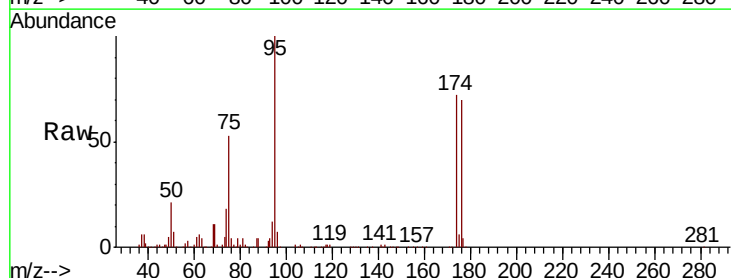
Tgt Ion: 95 Resp: 298230

Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 71.9 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

250000

200000

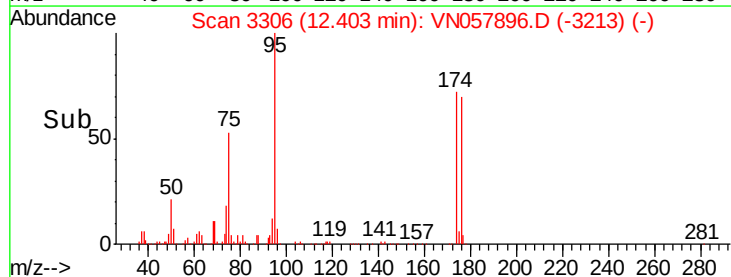
150000

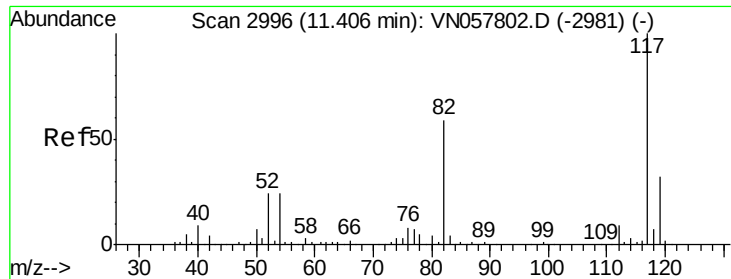
100000

50000

0

Time-->

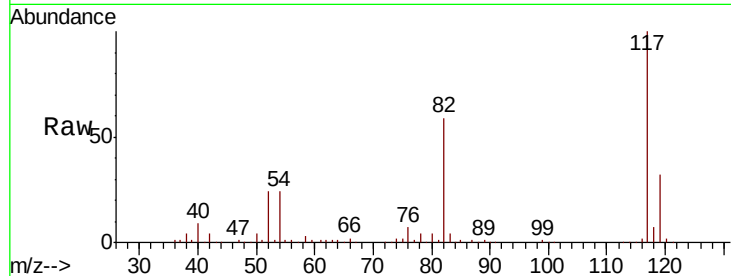




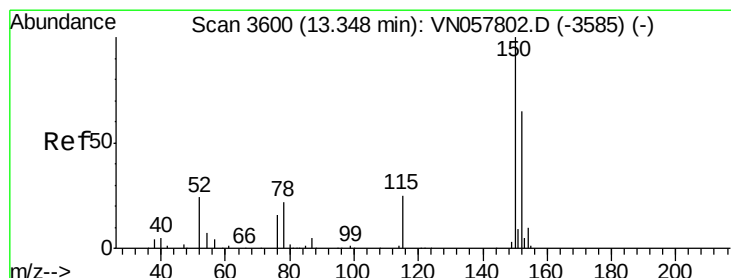
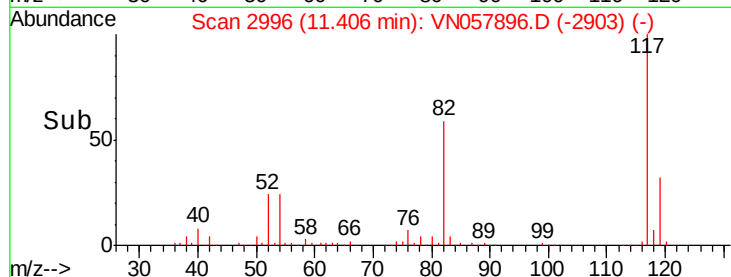
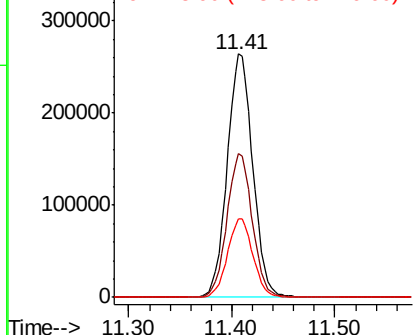
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057896.D
Acq: 11 Sep 2019 4:26

Instrument :
MSVOA_N
ClientSampleId :
TB-04-091019

Tgt Ion:117 Resp: 456703
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 32.4 25.3 37.9

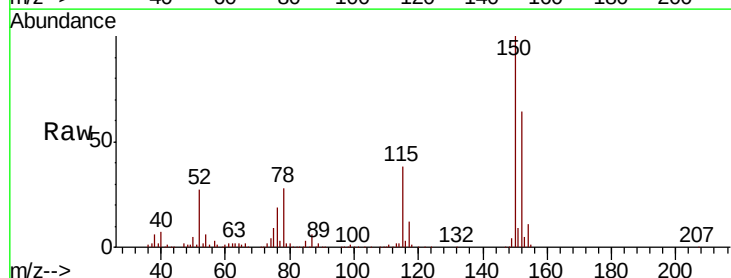


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

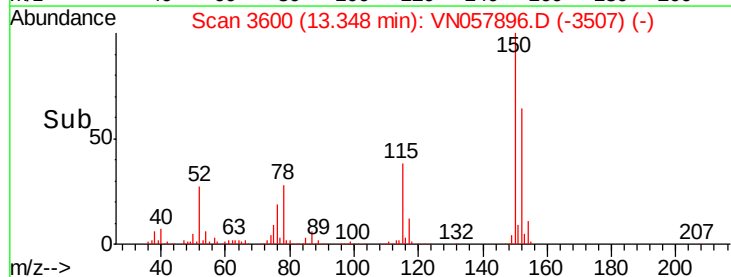
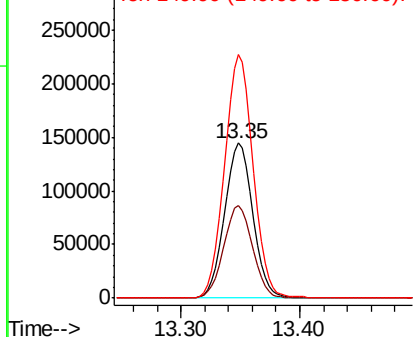


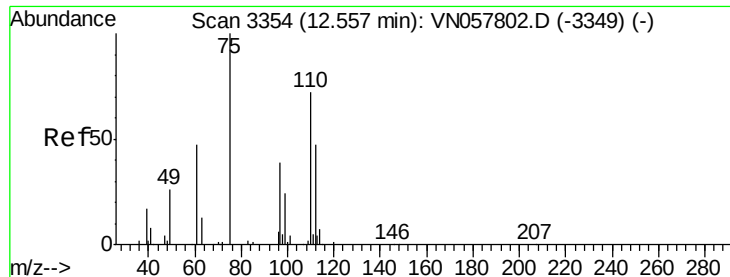
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057896.D
Acq: 11 Sep 2019 4:26

Tgt Ion:152 Resp: 238802
Ion Ratio Lower Upper
152 100
115 60.9 30.3 91.0
150 157.9 0.0 352.4



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: 30.106 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

Instrument :

MSVOA_N

ClientSampled :

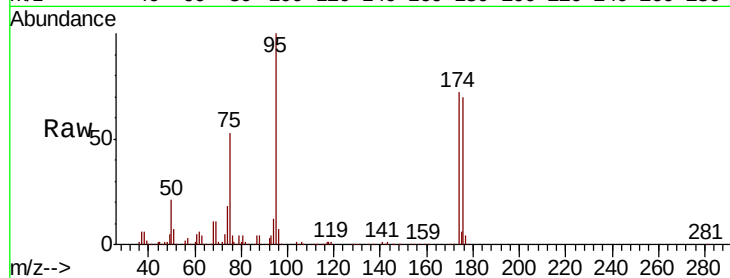
TB-04-091019

Tgt Ion: 75 Resp: 162638

Ion Ratio Lower Upper

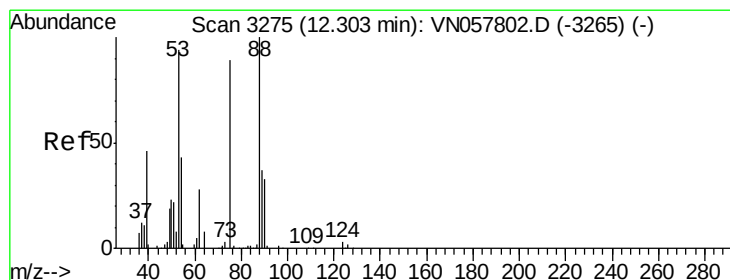
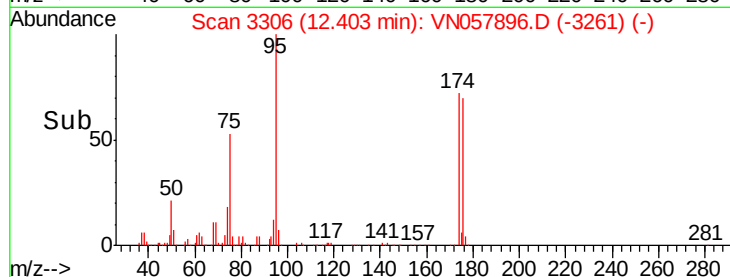
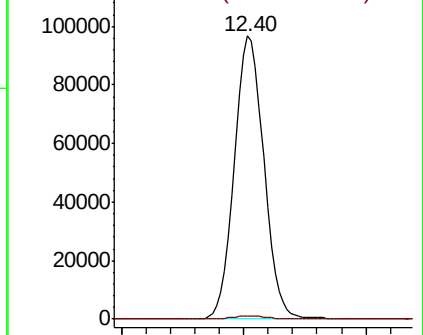
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 105.945 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

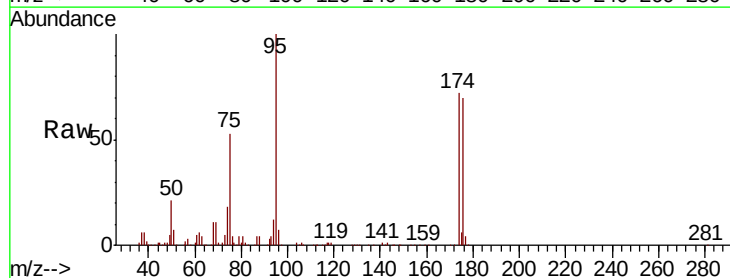
Tgt Ion: 75 Resp: 162638

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

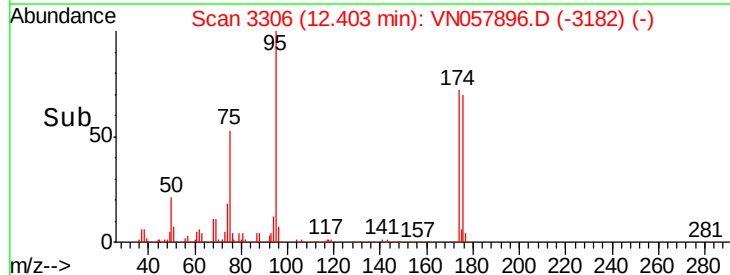
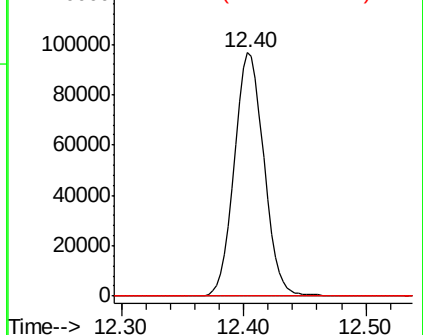
89 0.0 35.3 52.9#

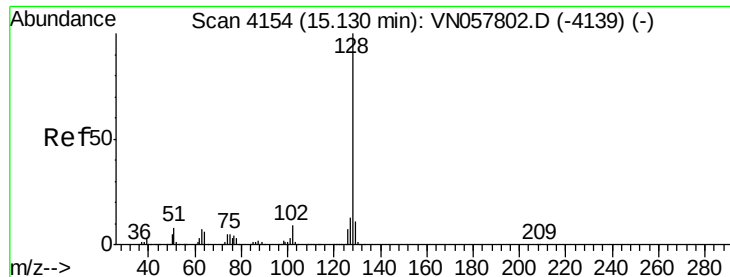


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

Instrument :

MSVOA_N

ClientSampled :

TB-04-091019

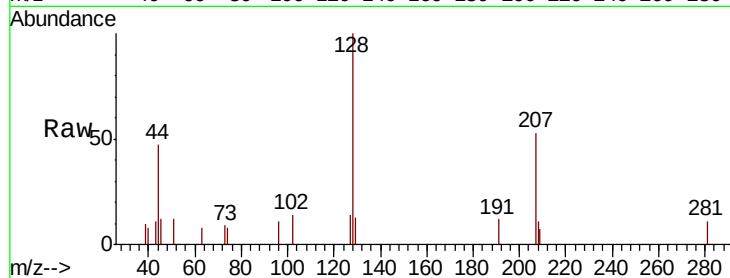
Tgt Ion:128 Resp: 3842

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

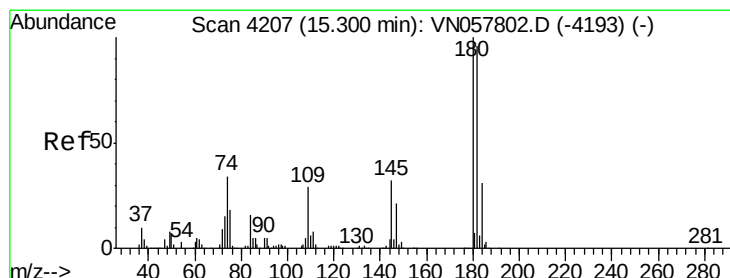
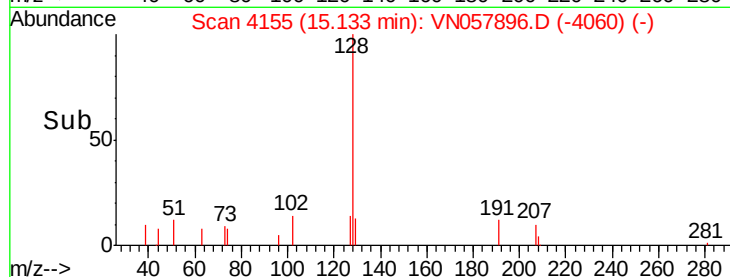
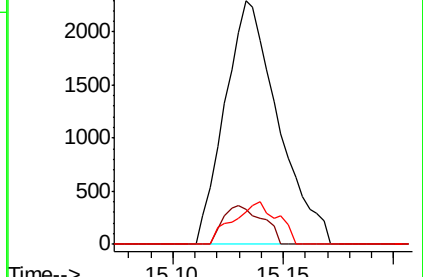
129 14.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.144 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN057896.D

Acq: 11 Sep 2019 4:26

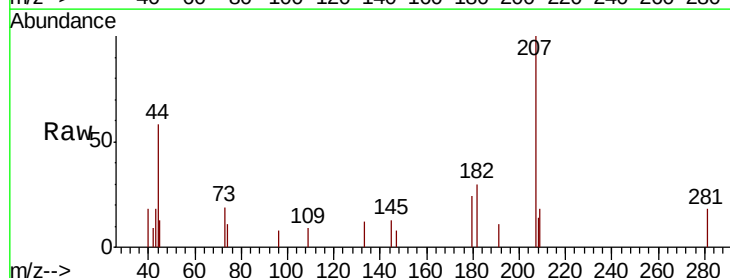
Tgt Ion:180 Resp: 721

Ion Ratio Lower Upper

180 100

182 94.2 48.3 144.8

145 20.9 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

