

Data File : VN061203.D
Acq On : 30 Apr 2020 15:55
Operator : JC/MD
Sample : L2453-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Quant Time: May 01 02:18:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	110055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	192690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84170	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.55	113	57431	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.06	98	241352	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.38	95	89013	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

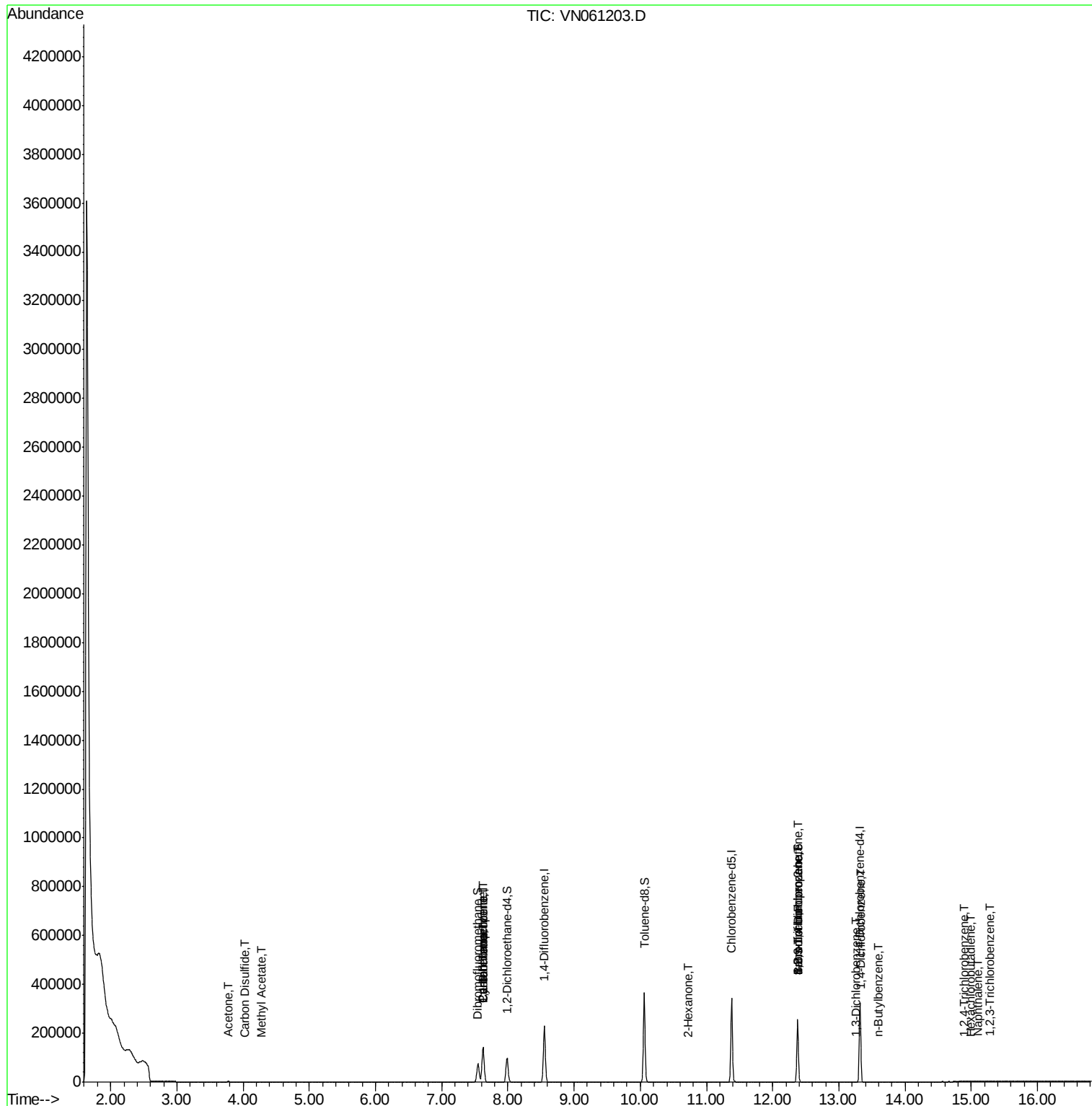
						Qvalue
16) Acetone	3.78	43	4501	1.185	ug/l	97
17) Carbon Disulfide	4.01	76	826	0.258	ug/l #	75
18) Methyl Acetate	4.28	43	300	0.814	ug/l #	55
31) Cyclohexane	7.63	56	2684	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9486	4.918	ug/l #	49
38) Carbon Tetrachloride	7.63	117	11305	8.416	ug/l #	16
59) 2-Hexanone	10.72	43	469	0.292	ug/l #	27
71) Bromoform	12.37	173	254	0.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47463	27.682	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47463	70.297	ug/l #	8
87) 1,3-Dichlorobenzene	13.26	146	516	0.203	ug/l #	51
88) 1,4-Dichlorobenzene	13.34	146	520	0.200	ug/l #	33
89) n-Butylbenzene	13.59	91	1018	0.217	ug/l #	86
93) 1,2,4-Trichlorobenzene	14.89	180	736	0.496	ug/l	91
94) Hexachlorobutadiene	14.98	225	247	0.399	ug/l #	43
95) Naphthalene	15.11	128	2748	0.569	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.29	180	752	0.513	ug/l #	80

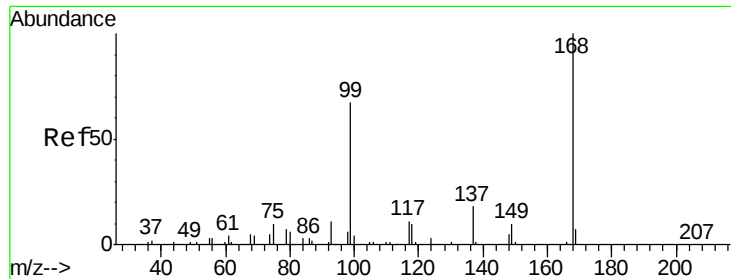
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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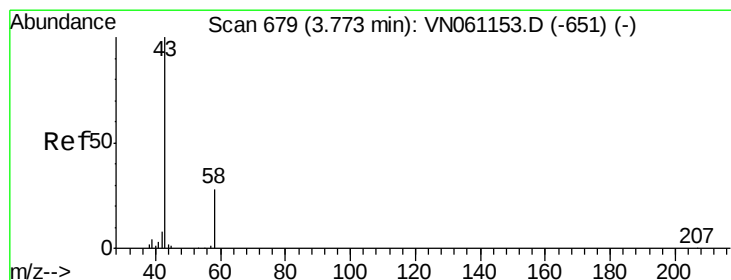
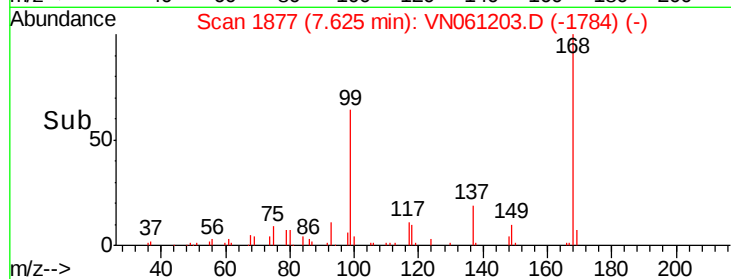
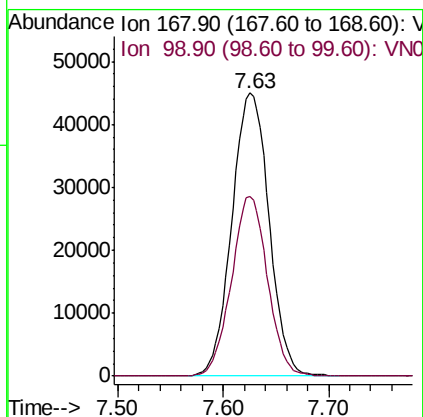
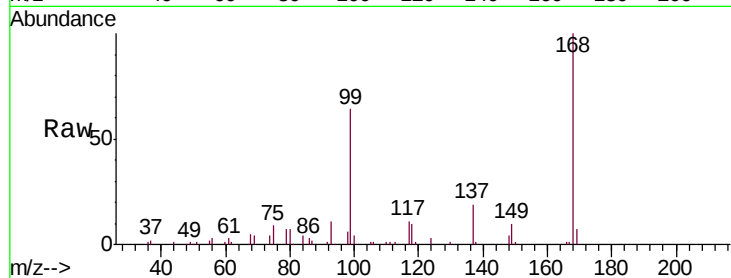




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

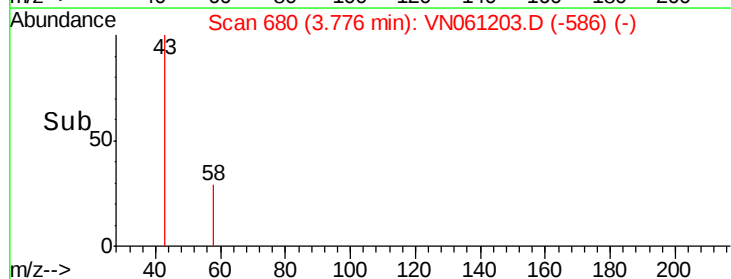
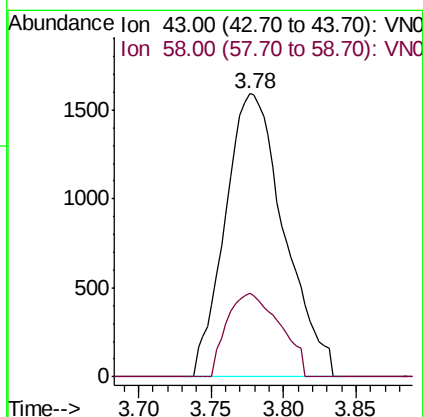
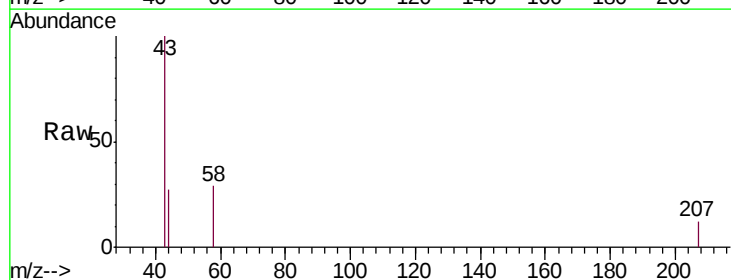
Instrument :
MSVOA_N
ClientSampled :
TB

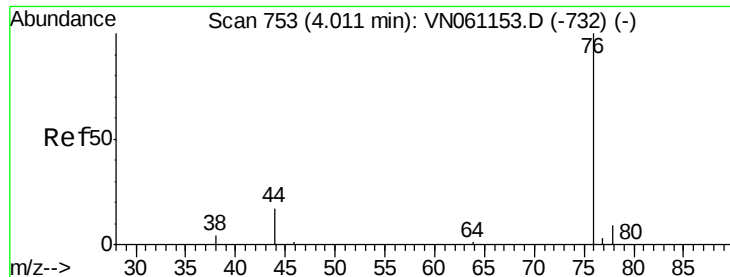
Tgt Ion: 168 Resp: 110055
Ion Ratio Lower Upper
168 100
99 63.7 51.2 76.8



#16
Acetone
Concen: 1.185 ug/l
RT: 3.78 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

Tgt Ion: 43 Resp: 4501
Ion Ratio Lower Upper
43 100
58 29.4 22.2 33.2

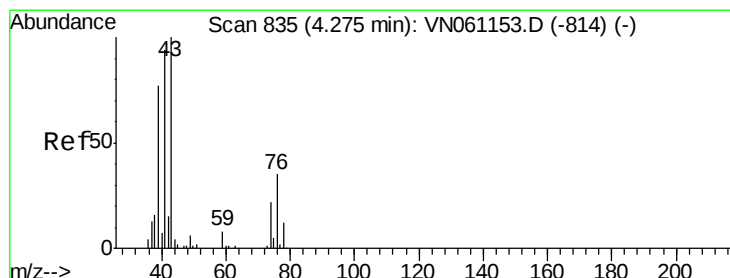
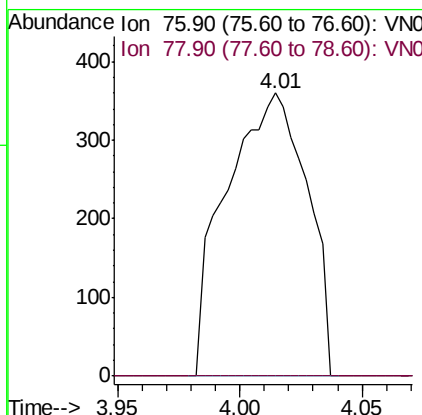
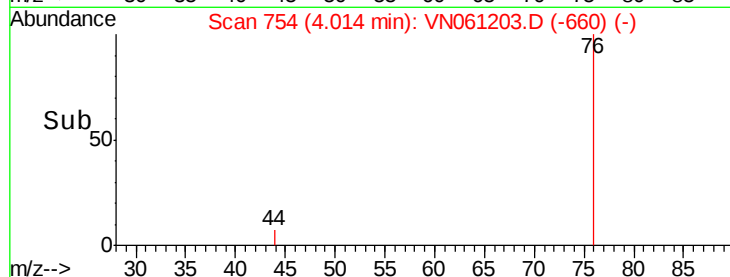
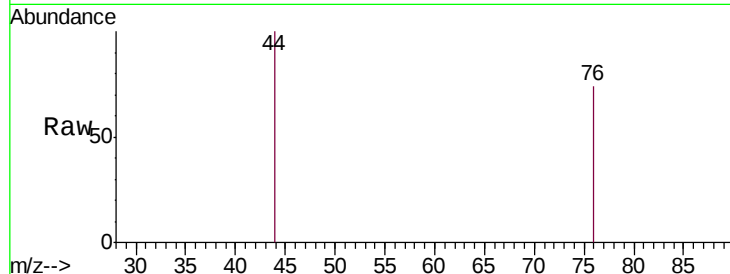




#17
Carbon Disulfide
Concen: 0.258 ug/l
RT: 4.01 min Scan# 754
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

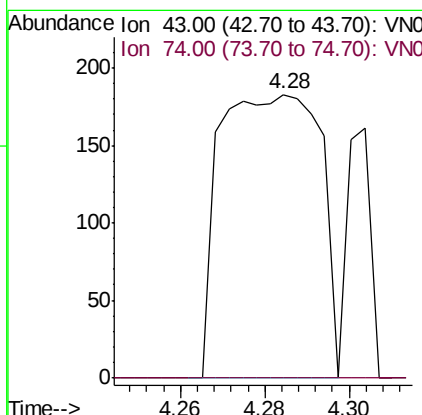
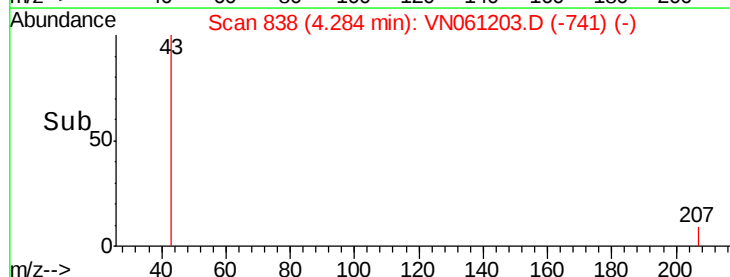
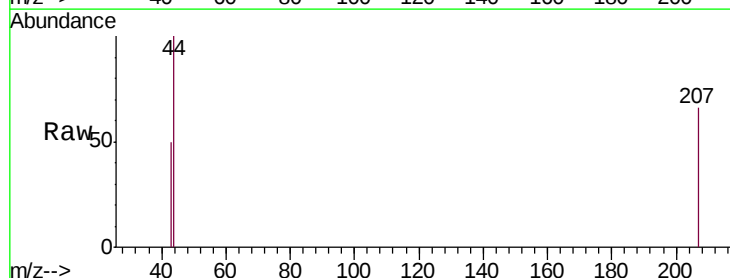
Instrument :
MSVOA_N
ClientSampled :
TB

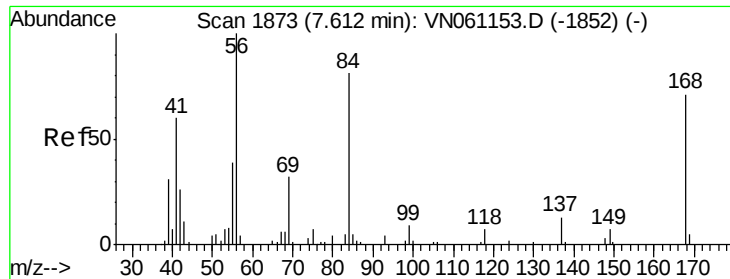
Tgt Ion: 76 Resp: 826
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.814 ug/l
RT: 4.28 min Scan# 838
Delta R.T. 0.01 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#

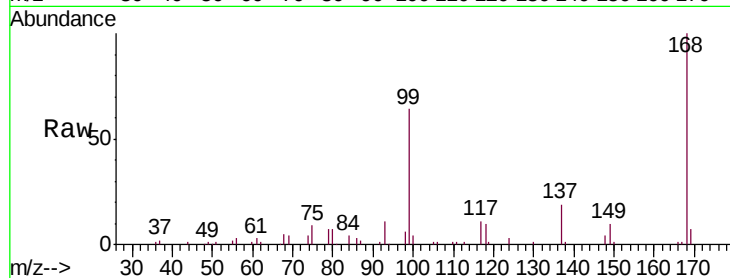




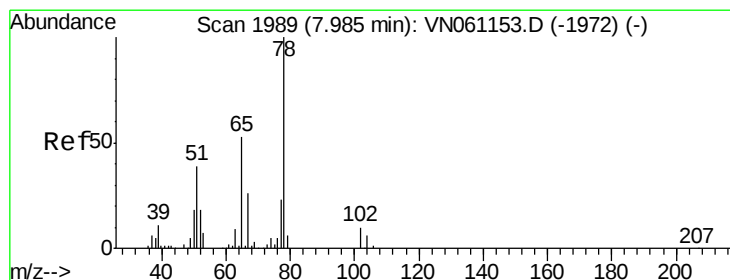
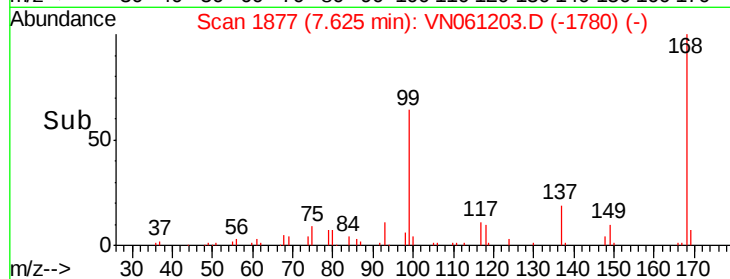
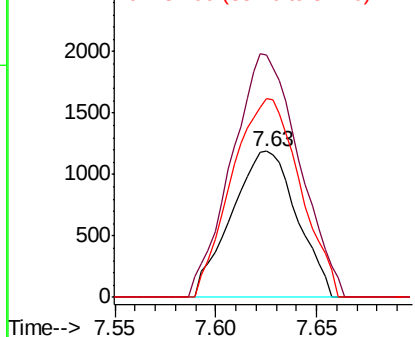
#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

Instrument :
MSVOA_N
ClientSampled :
TB

Tgt Ion: 56 Resp: 2684
Ion Ratio Lower Upper
56 100
69 166.4 25.7 38.5#
84 136.6 64.6 97.0#

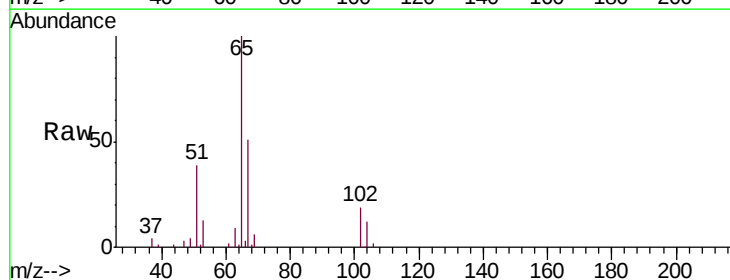


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

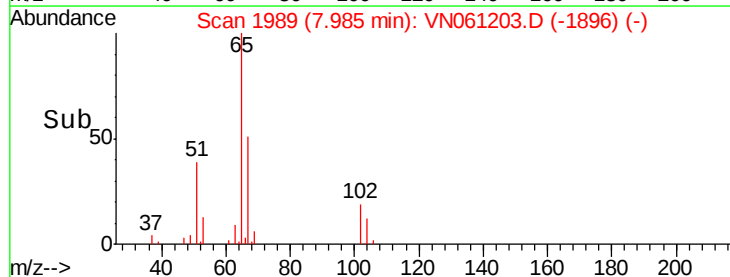
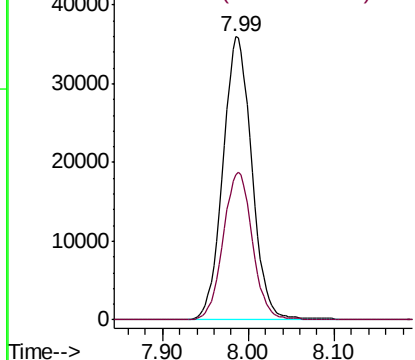


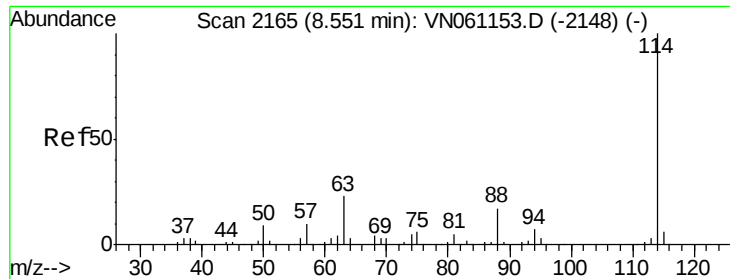
#33
1,2-Dichloroethane-d4
Concen: 48.334 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

Tgt Ion: 65 Resp: 84170
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

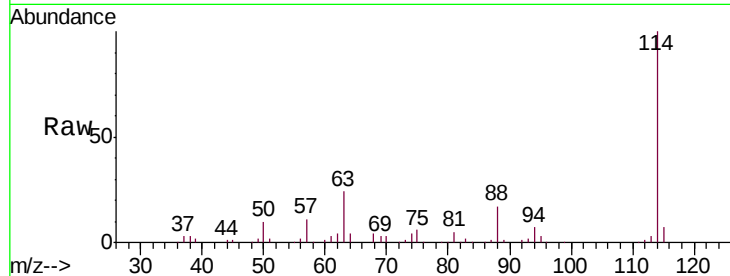




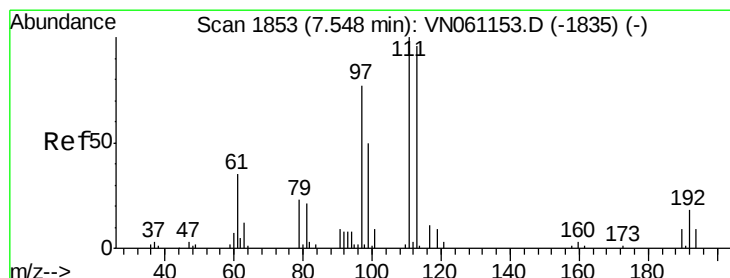
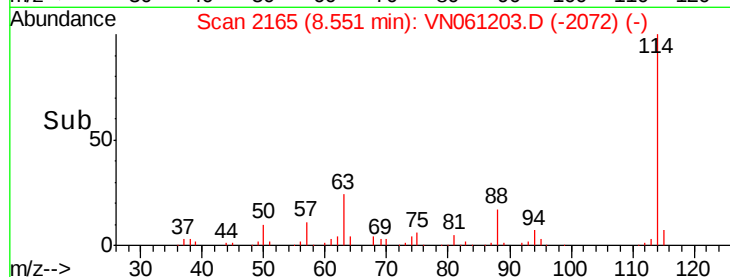
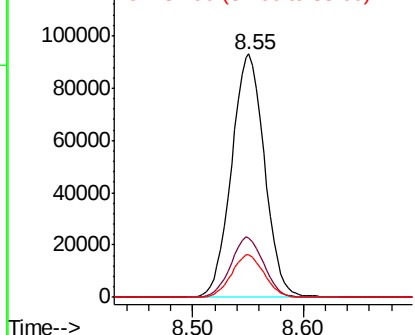
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061203.D
 Acq: 30 Apr 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Tgt Ion:114 Resp: 192690
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 46.6
 88 17.4 0.0 33.4

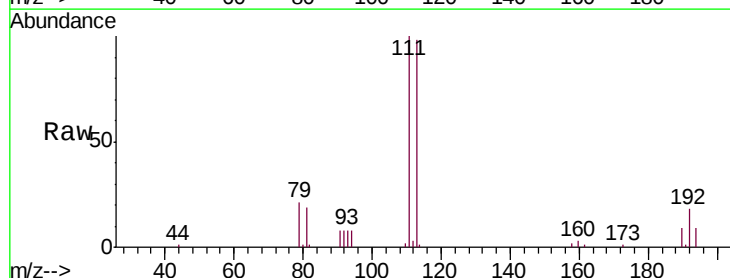


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

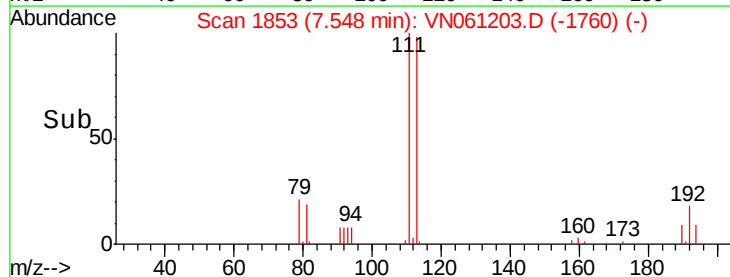
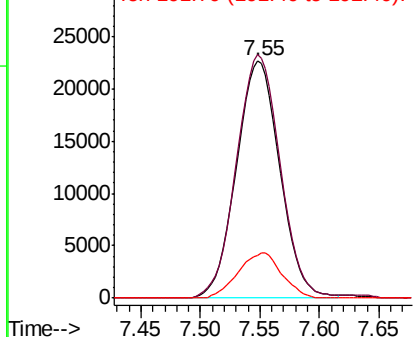


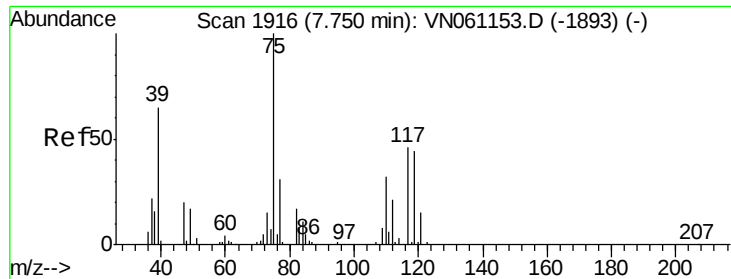
#35
 Dibromofluoromethane
 Concen: 50.404 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061203.D
 Acq: 30 Apr 2020 15:55

Tgt Ion:113 Resp: 57431
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 19.2 14.7 22.1



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

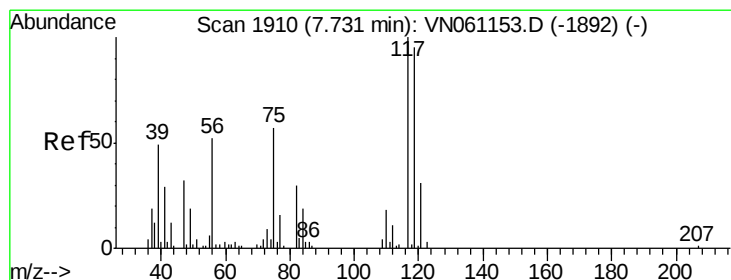
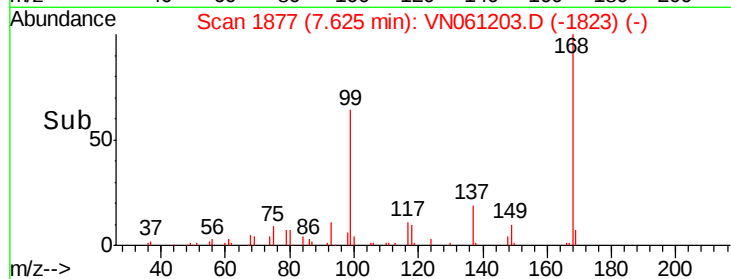
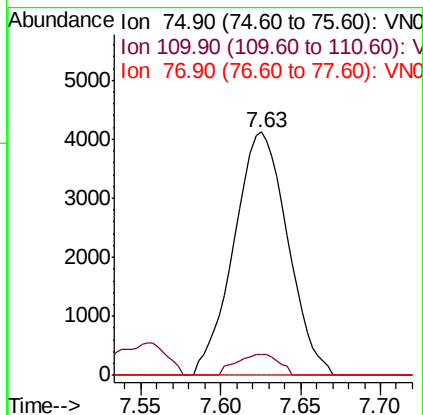
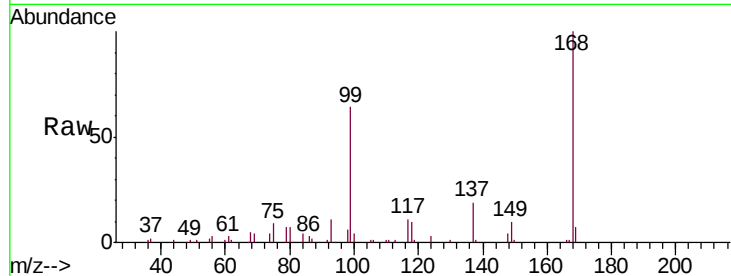




#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061203.D
 Acq: 30 Apr 2020 15:55

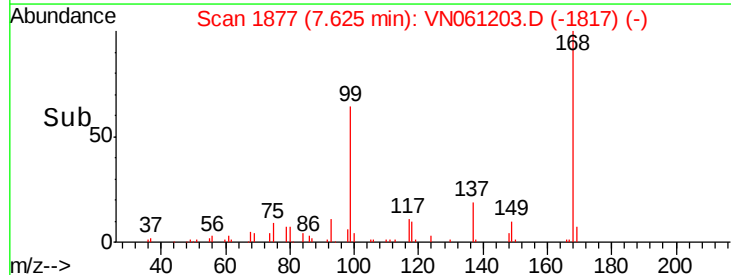
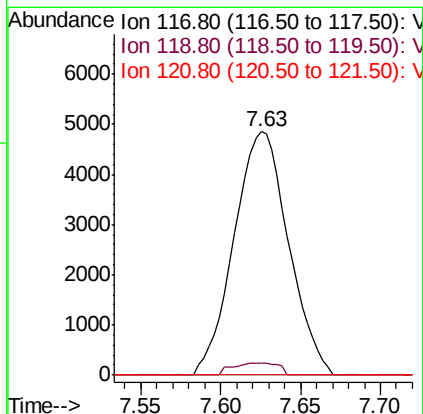
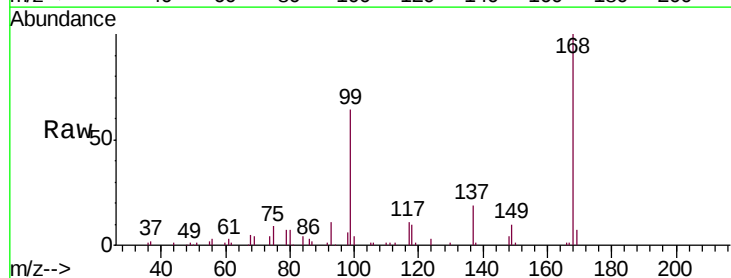
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 MSVOA_N
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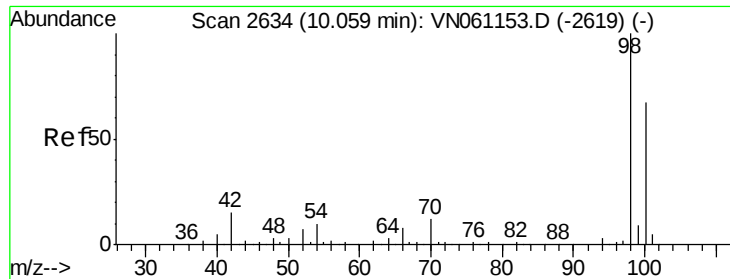
Tgt Ion: 75 Resp: 9486
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.416 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061203.D
 Acq: 30 Apr 2020 15:55

Tgt Ion: 117 Resp: 11305
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.8 113.6#
 121 0.0 24.7 37.1#

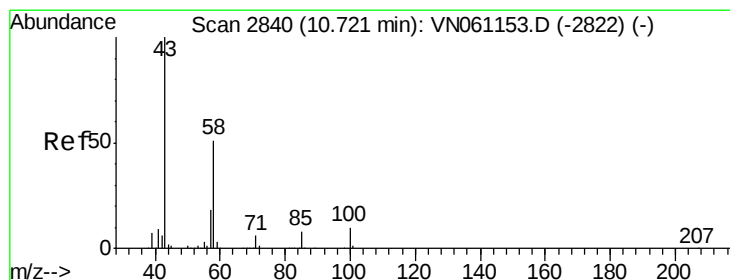
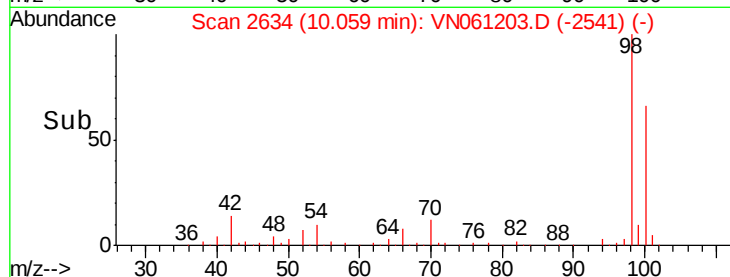
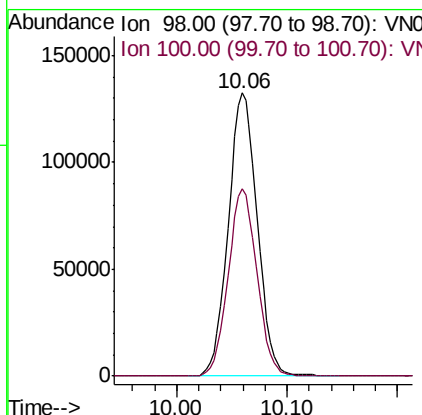
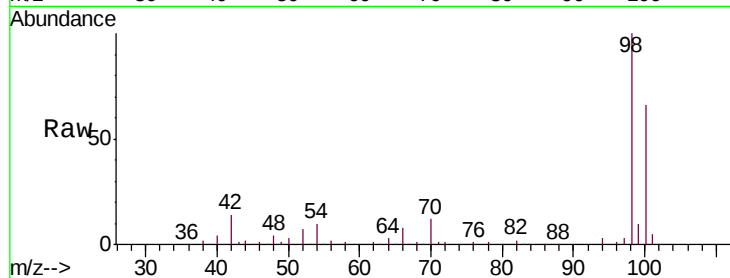




#50
Toluene-d8
Concen: 51.961 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

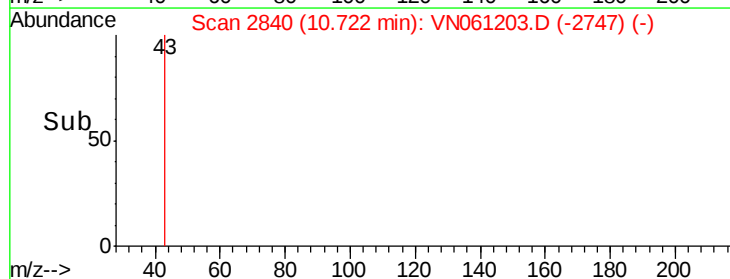
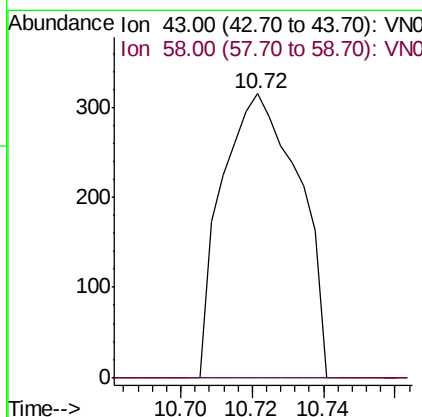
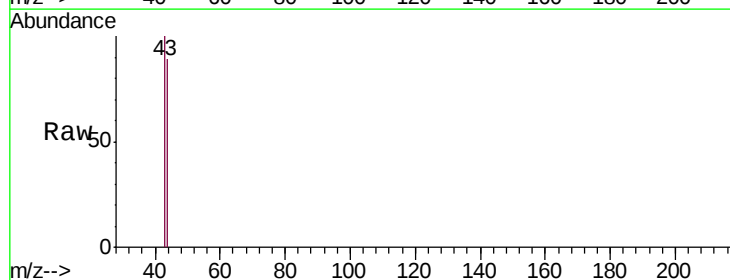
Instrument :
MSVOA_N
ClientSampled :
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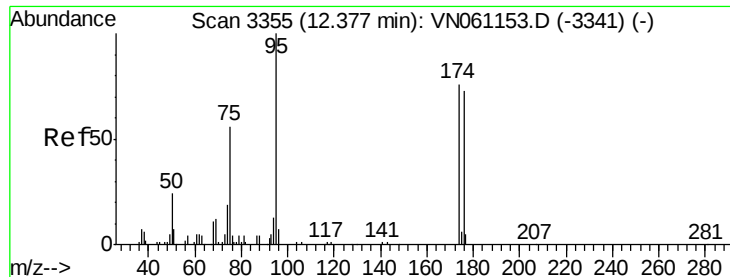
Tgt Ion: 98 Resp: 241352
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0



#59
2-Hexanone
Concen: 0.292 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#





#62

4-Bromofluorobenzene

Concen: 50.924 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

TB

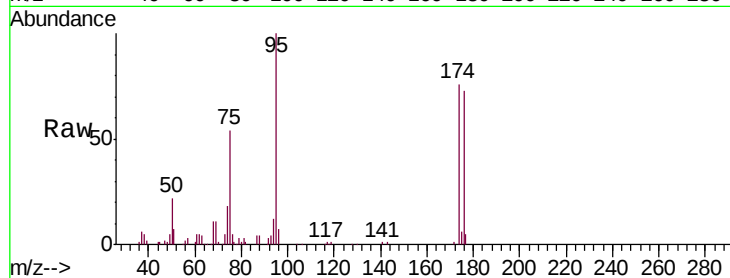
Tgt Ion: 95 Resp: 89013

Ion Ratio Lower Upper

95 100

174 74.3 0.0 149.4

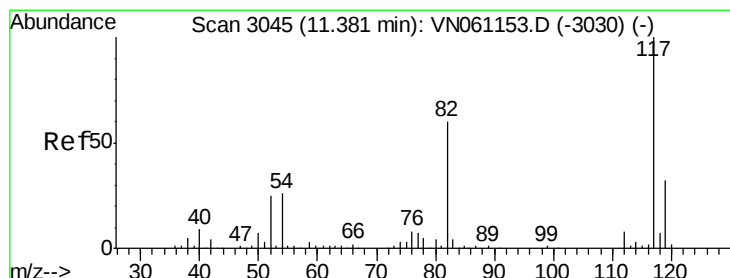
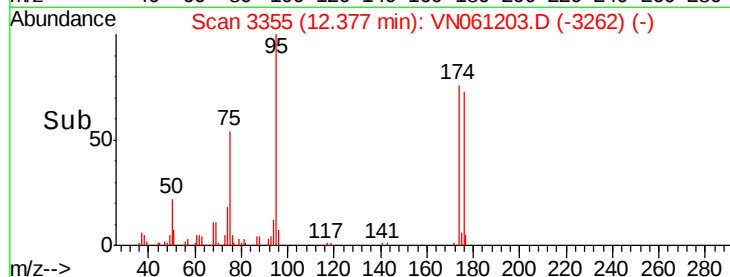
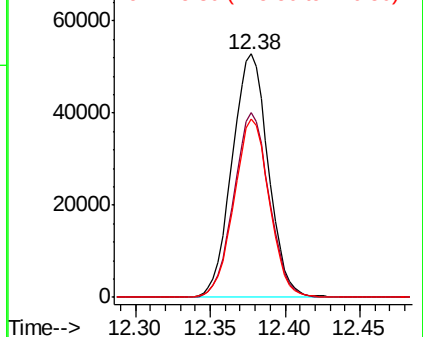
176 71.5 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061203.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061203.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061203.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

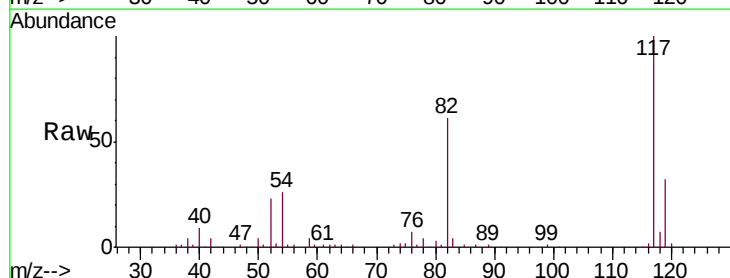
Tgt Ion: 117 Resp: 183759

Ion Ratio Lower Upper

117 100

82 61.4 47.8 71.8

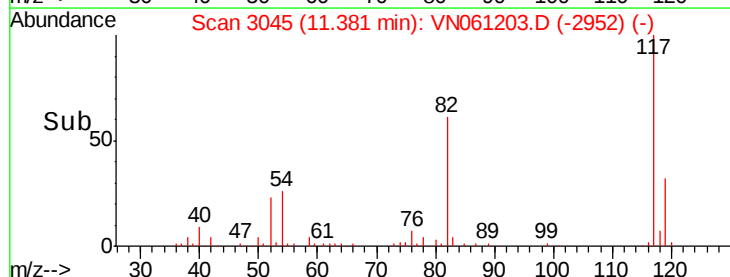
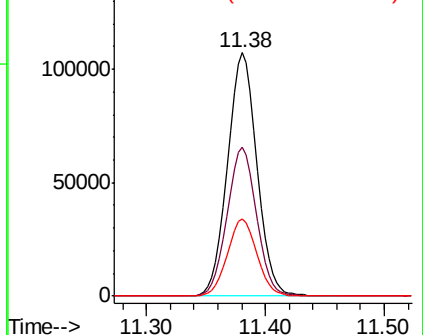
119 31.9 25.8 38.6

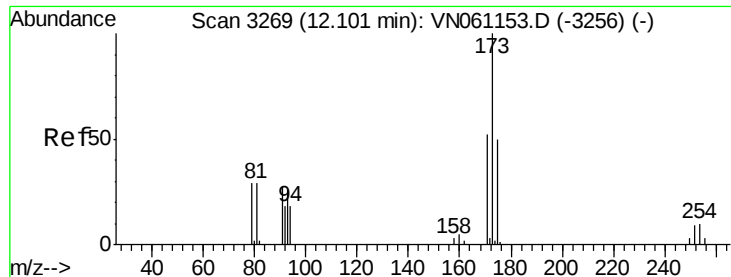


Abundance Ion 116.90 (116.60 to 117.60): VN061203.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061203.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061203.D (-2952) (-)





#71

Bromoform

Concen: 0.265 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.27 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

TB

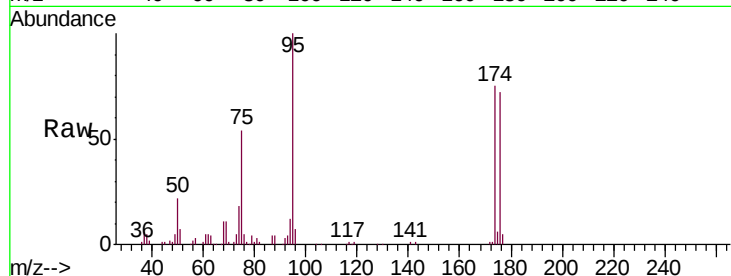
Tgt Ion:173 Resp: 254

Ion Ratio Lower Upper

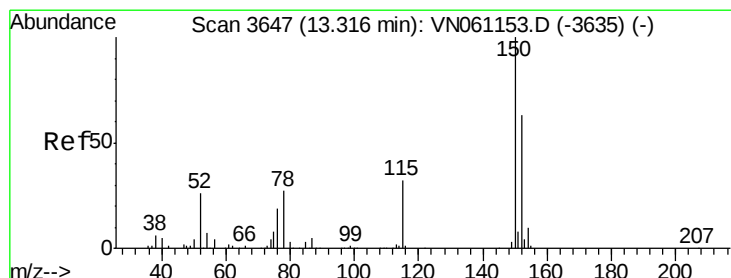
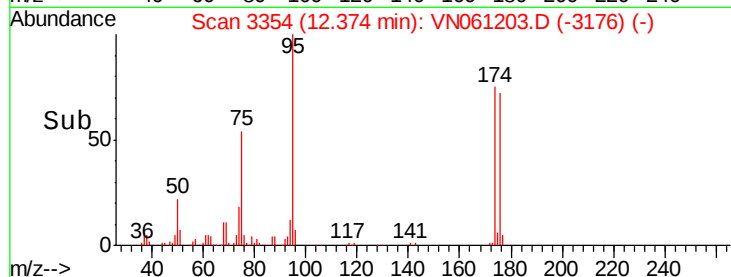
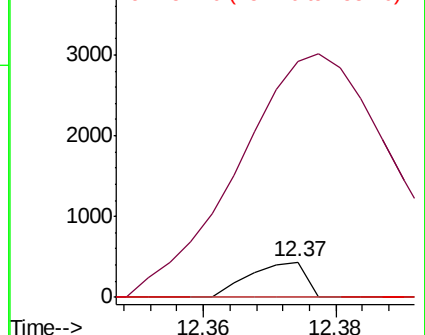
173 100

175 1648.0 24.1 72.4#

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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

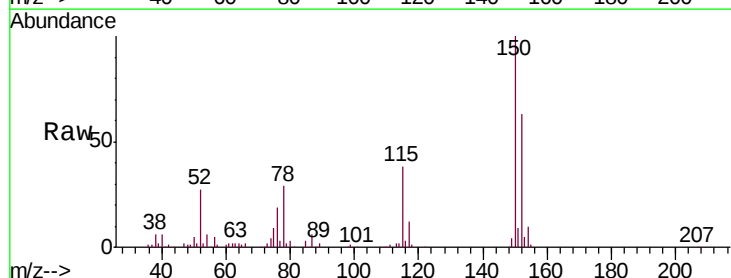
Tgt Ion:152 Resp: 81327

Ion Ratio Lower Upper

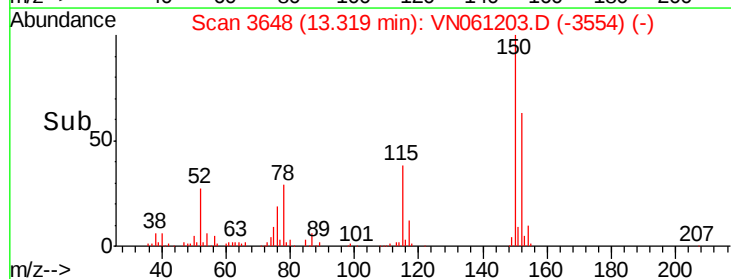
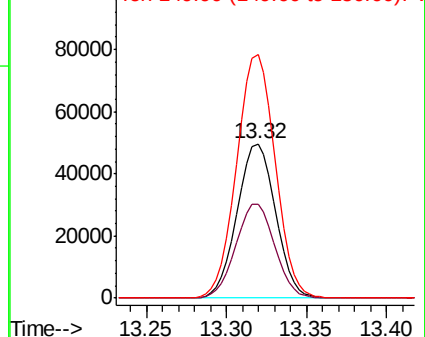
152 100

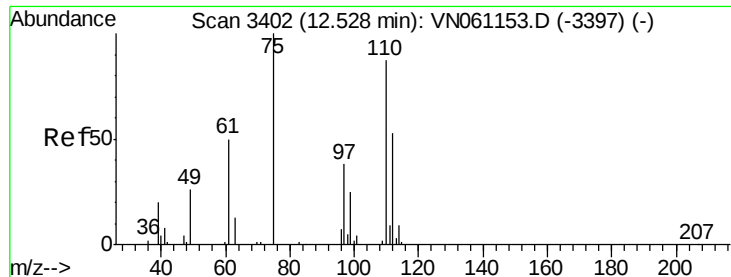
115 61.6 31.0 93.0

150 158.7 0.0 351.8



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: 27.682 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

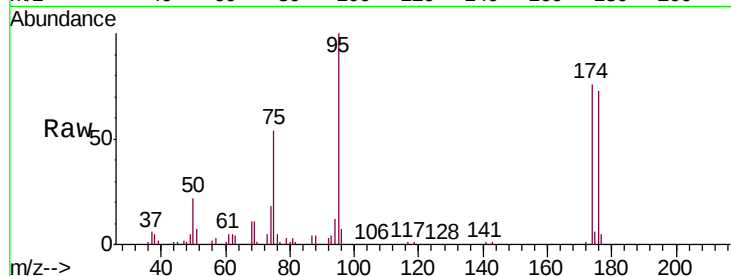
TB

Tgt Ion: 75 Resp: 47463

Ion Ratio Lower Upper

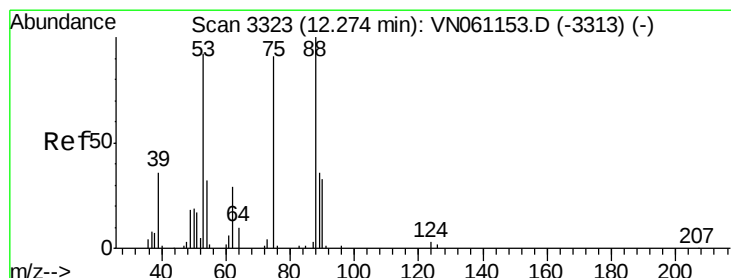
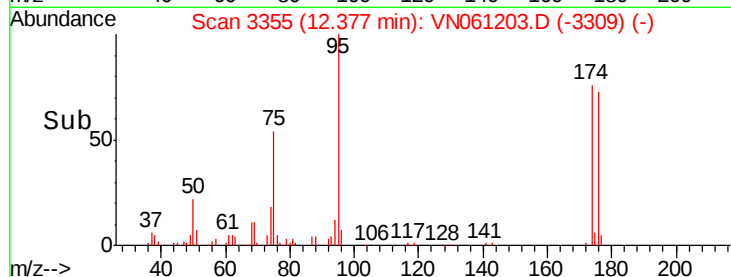
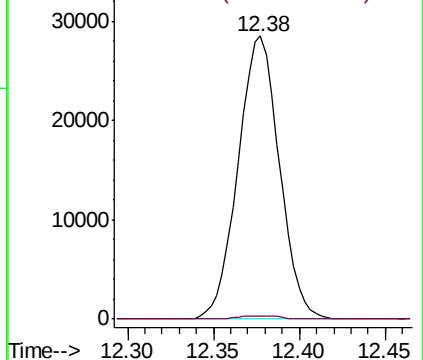
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 70.297 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

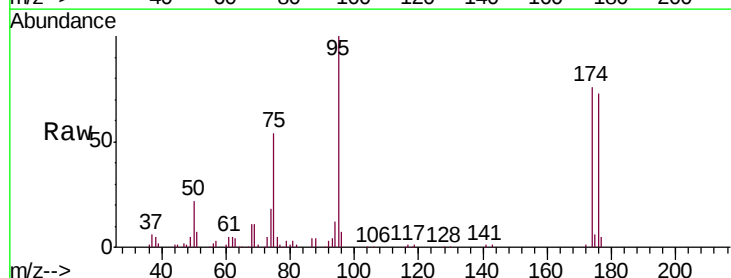
Tgt Ion: 75 Resp: 47463

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

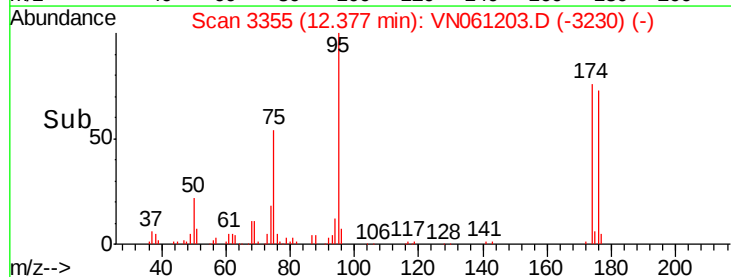
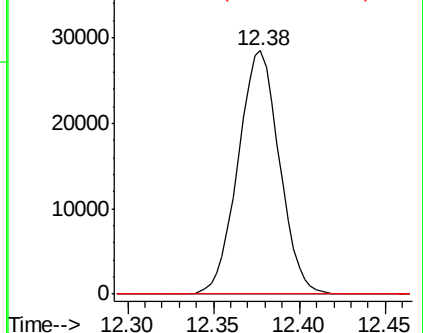
89 0.0 35.2 52.8#

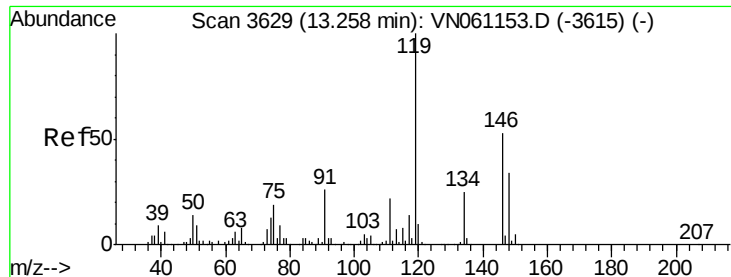


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

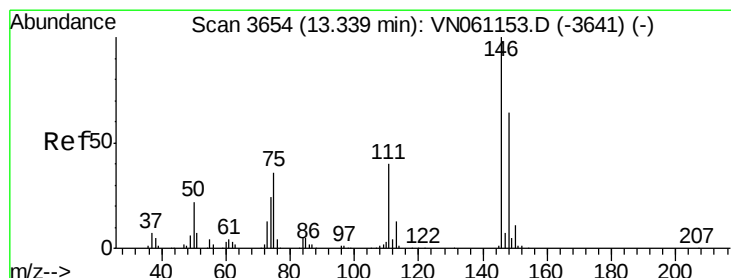
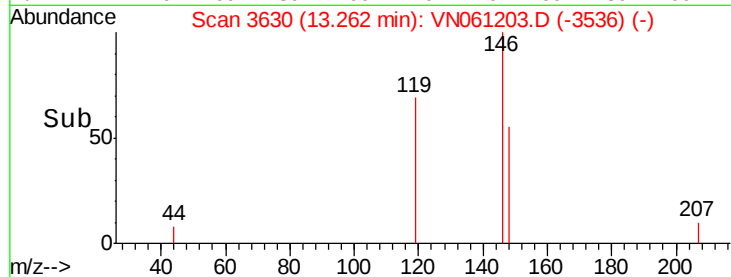
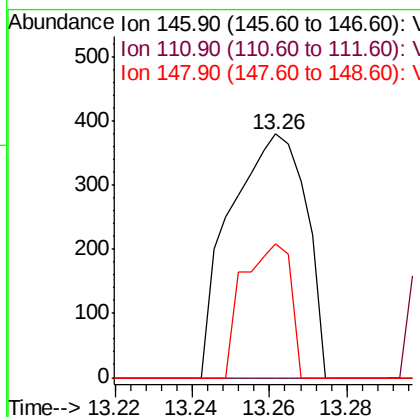
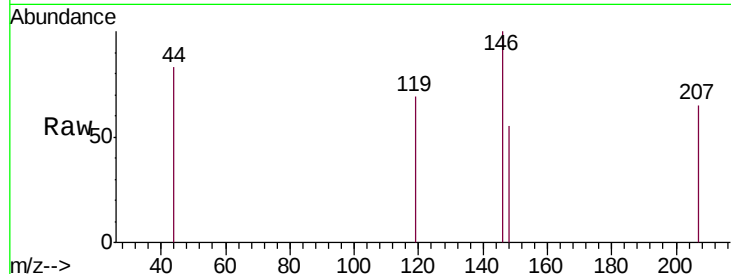




#87
 1,3-Dichlorobenzene
 Concen: 0.203 ug/l
 RT: 13.26 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VN061203.D
 Acq: 30 Apr 2020 15:55

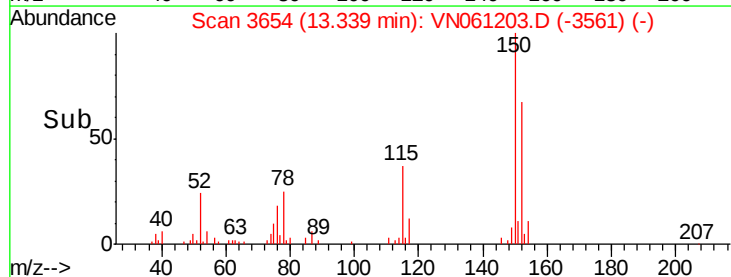
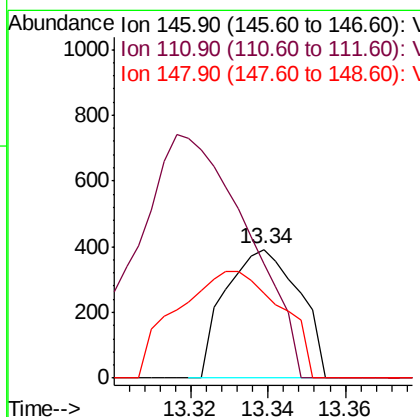
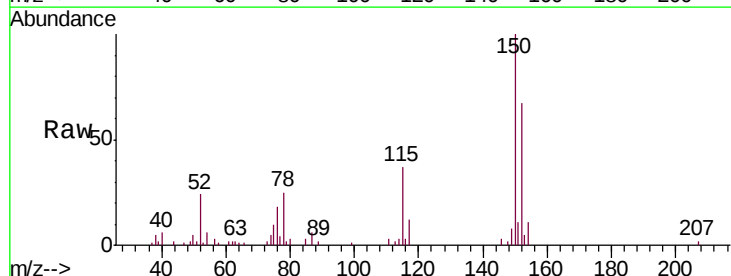
Instrument :
 MSVOA_N
 ClientSampled :
 TB

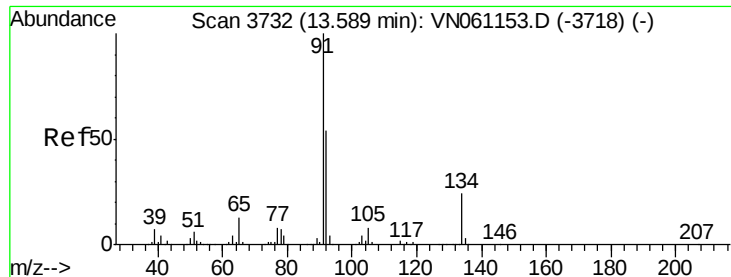
Tgt Ion:146 Resp: 516
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.7 62.1#
 148 34.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 0.200 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061203.D
 Acq: 30 Apr 2020 15:55

Tgt Ion:146 Resp: 520
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.4 61.3#
 148 117.3 31.9 95.7#

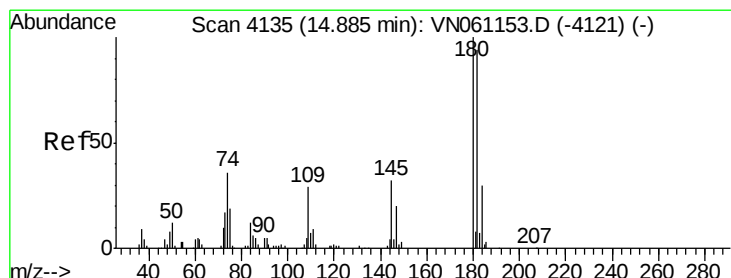
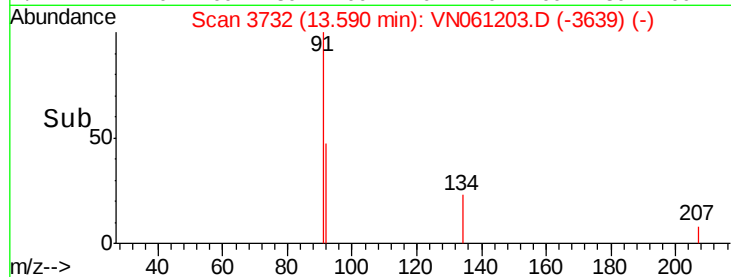
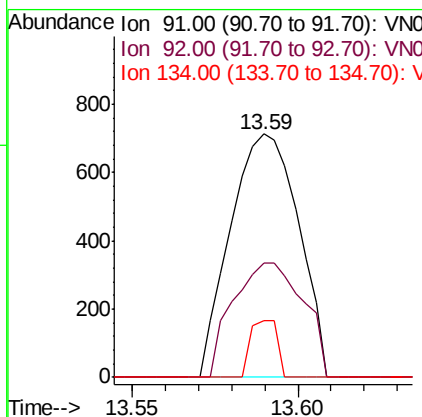
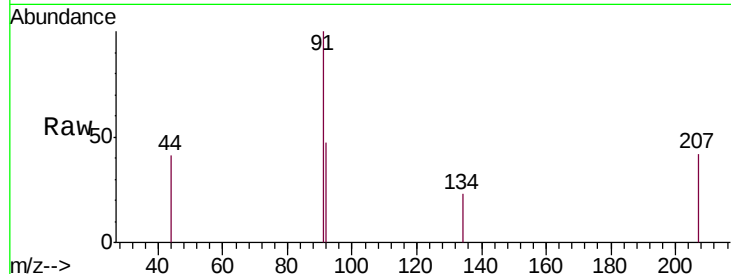




#89
n-Butylbenzene
Concen: 0.217 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

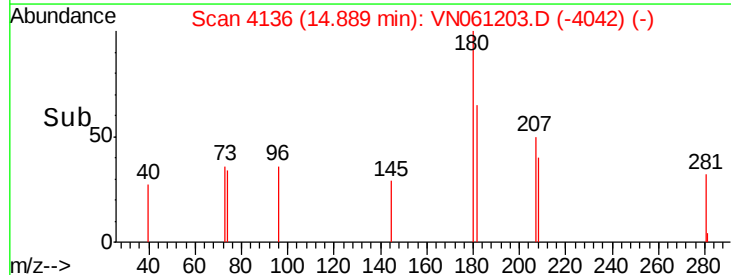
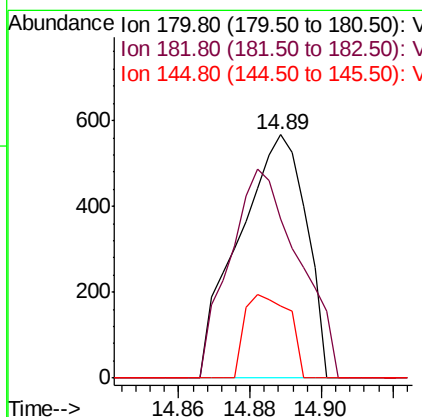
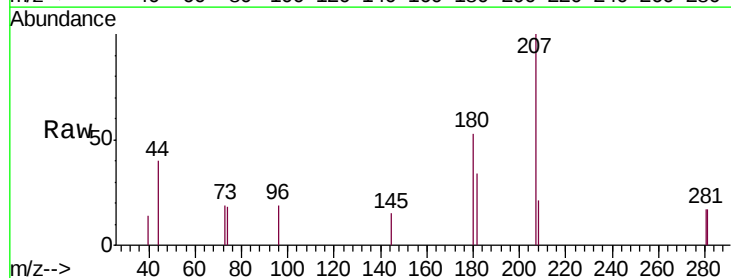
Instrument :
MSVOA_N
ClientSampled :
TB

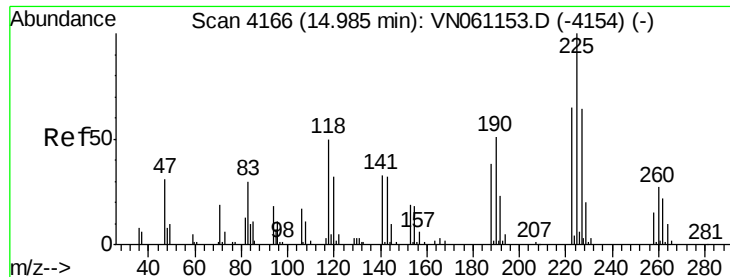
Tgt Ion: 91 Resp: 1018
Ion Ratio Lower Upper
91 100
92 48.5 26.8 80.3
134 9.1 11.9 35.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.496 ug/l
RT: 14.89 min Scan# 4136
Delta R.T. 0.00 min
Lab File: VN061203.D
Acq: 30 Apr 2020 15:55

Tgt Ion: 180 Resp: 736
Ion Ratio Lower Upper
180 100
182 88.3 47.3 141.9
145 22.7 16.0 47.9





#94

Hexachlorobutadiene

Concen: 0.399 ug/l

RT: 14.98 min Scan# 4165

Delta R.T. -0.00 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

Instrument :

MSVOA_N

ClientSampled :

TB

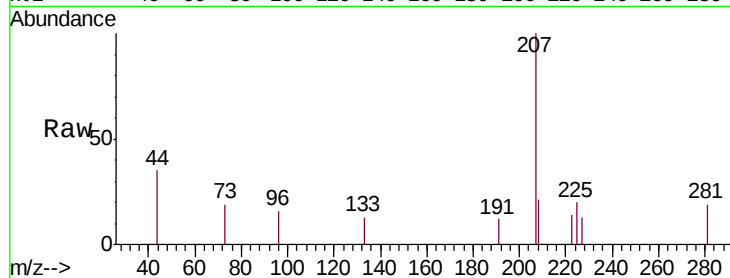
Tgt Ion:225 Resp: 247

Ion Ratio Lower Upper

225 100

223 27.5 32.4 97.0#

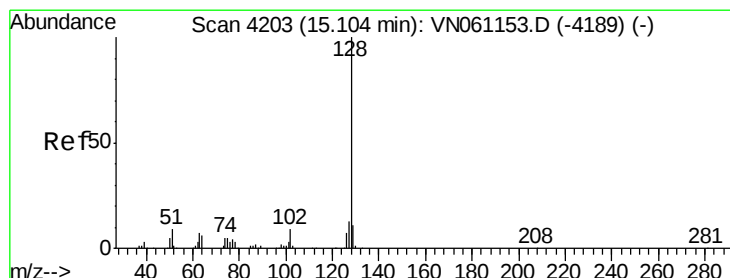
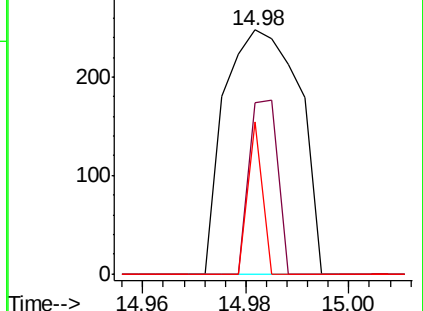
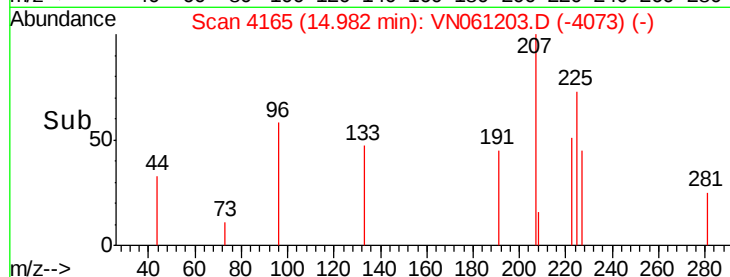
227 12.1 32.4 97.0#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.569 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061203.D

Acq: 30 Apr 2020 15:55

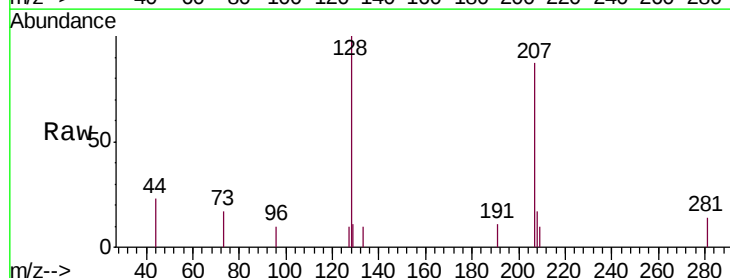
Tgt Ion:128 Resp: 2748

Ion Ratio Lower Upper

128 100

127 4.8 10.4 15.6#

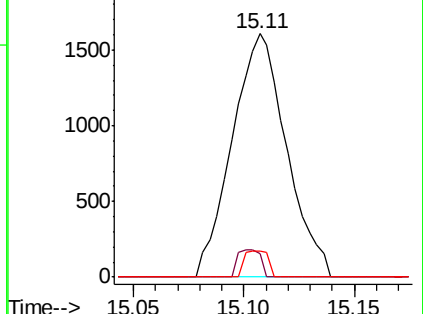
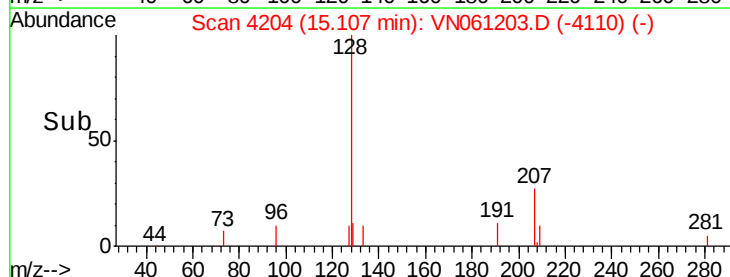
129 4.7 8.7 13.1#

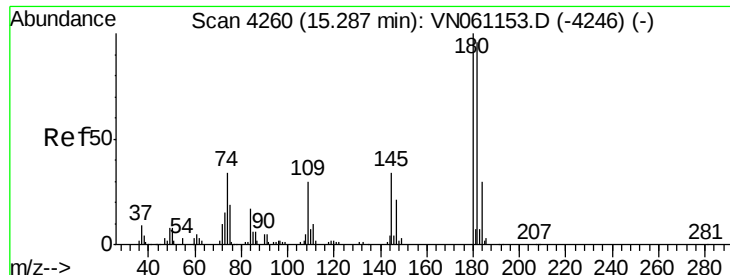


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.513 ug/l
 RT: 15.29 min Scan# 4261
 Delta R.T. 0.00 min
 Lab File: VN061203.D
 Acq: 30 Apr 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.6	47.5	142.5
145	12.9	16.9	50.7#

