

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061174.D
 Acq On : 28 Apr 2020 19:32
 Operator : JC/MD
 Sample : L2415-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ST008RW256-200423

Quant Time: Apr 29 08:00:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	101749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	176573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	81177	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.55	113	55972	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.06	98	225496	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.38	95	86399	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

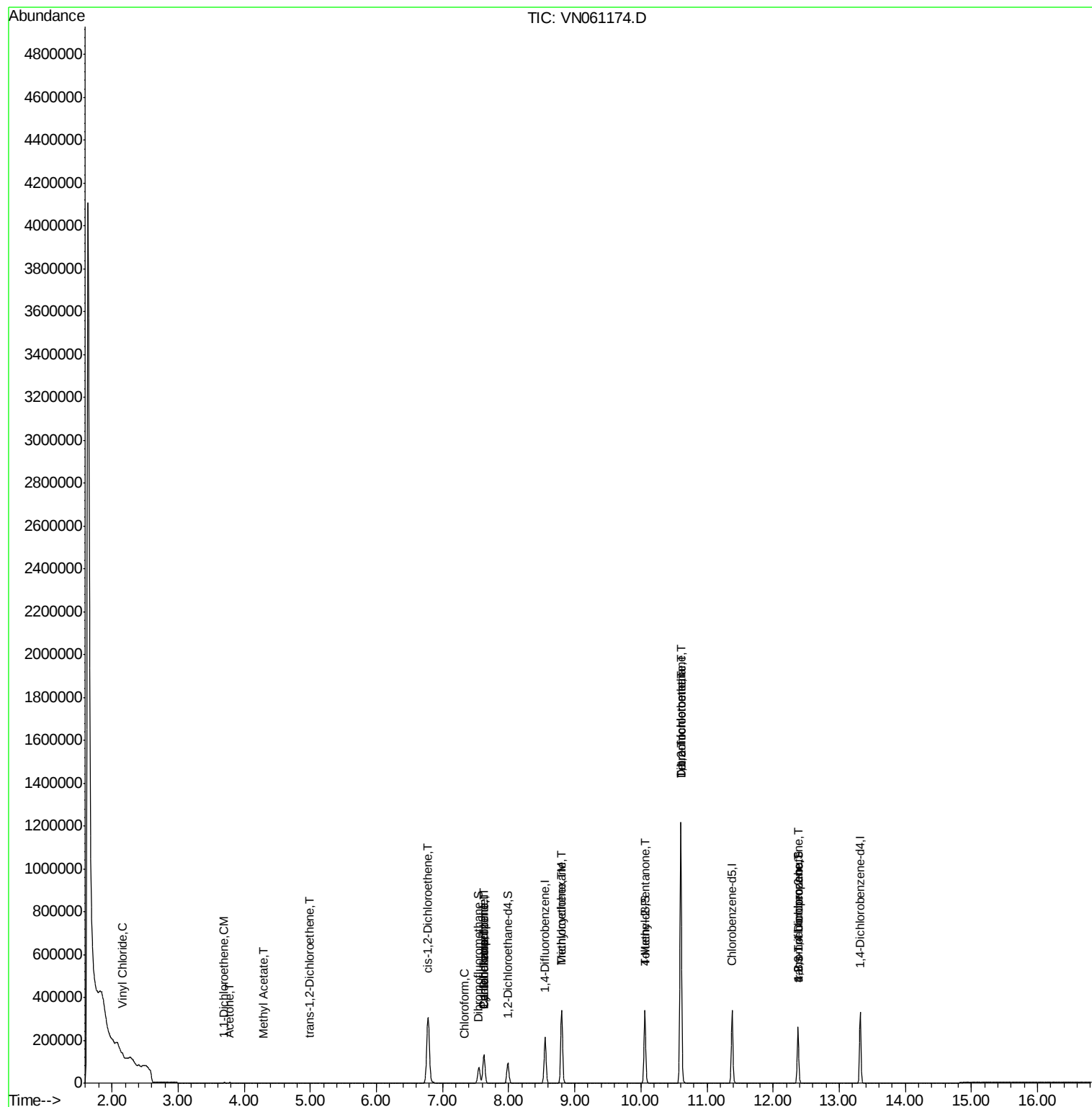
						Qvalue
4) Vinyl Chloride	2.16	62	8585	5.784	ug/l	97
12) 1,1-Dichloroethene	3.69	96	984	0.917	ug/l	85
16) Acetone	3.78	43	3934	0.811	ug/l	96
18) Methyl Acetate	4.30	43	94	0.725	ug/l #	55
21) trans-1,2-Dichloroethene	4.98	96	602	0.515	ug/l #	78
27) cis-1,2-Dichloroethene	6.78	96	195795	142.727	ug/l	89
30) Chloroform	7.33	83	565	0.231	ug/l	99
31) Cyclohexane	7.63	56	2652	1.132	ug/l #	6
36) 1,1-Dichloropropene	7.63	75	9322	5.174	ug/l #	51
38) Carbon Tetrachloride	7.63	117	10921	7.580	ug/l #	16
39) Methylcyclohexane	8.80	83	1506	2.077	ug/l #	1
44) Trichloroethene	8.80	130	116585	80.344	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1278	0.619	ug/l #	1
55) 1,1,2-Trichloroethane	10.60	97	2527	1.959	ug/l #	7
60) Dibromochloromethane	10.60	129	247463	183.213	ug/l #	10
64) Tetrachloroethene	10.60	164	261121	170.744	ug/l	98
76) 1,2,3-Trichloropropane	12.38	75	47299	27.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47299	70.132	ug/l #	8

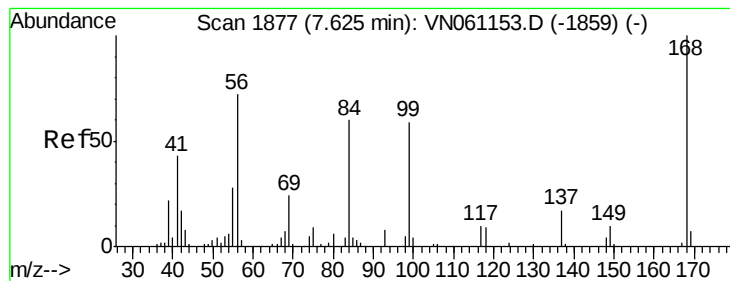
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061174.D

Acq: 28 Apr 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

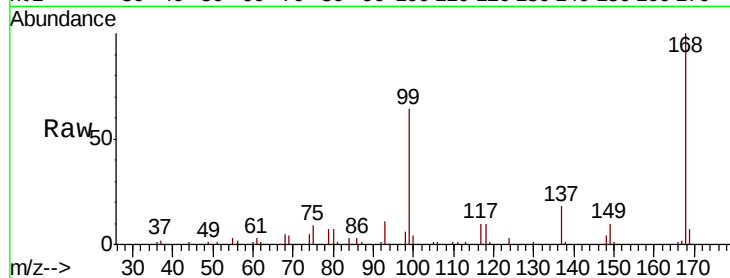
ST008RW256-200423

Tot Ion:168 Resp: 101749

Ion Ratio Lower Upper

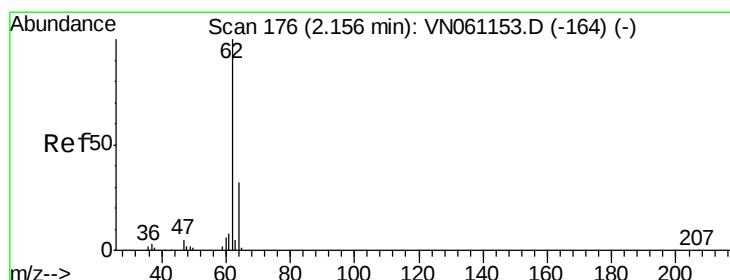
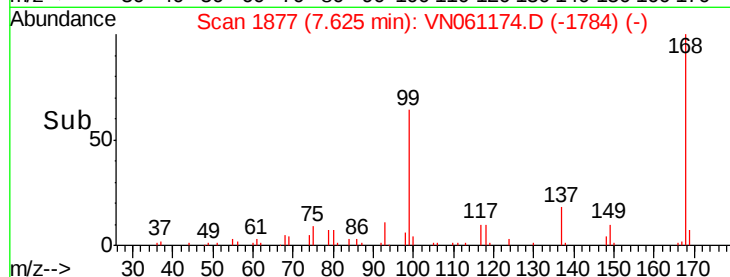
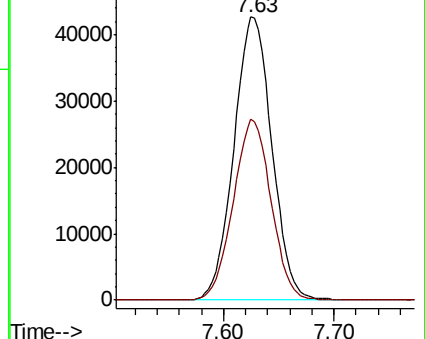
168 100

99 63.8 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 5.784 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061174.D

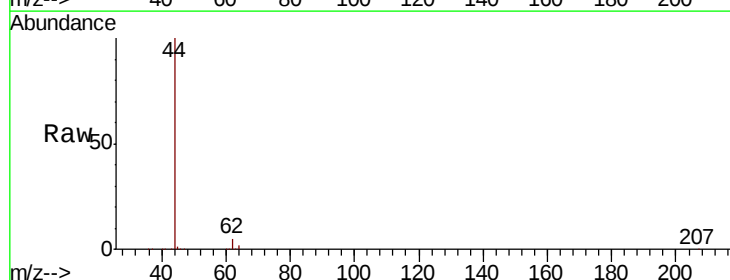
Acq: 28 Apr 2020 19:32

Tgt Ion: 62 Resp: 8585

Ion Ratio Lower Upper

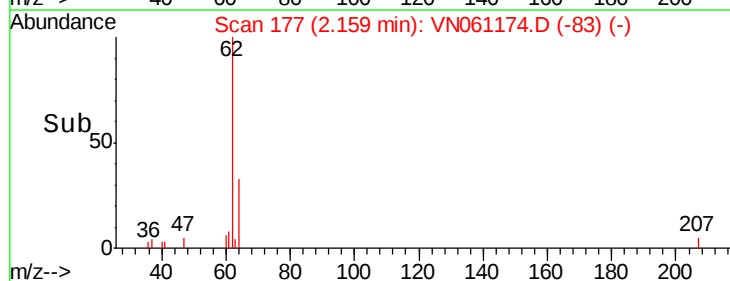
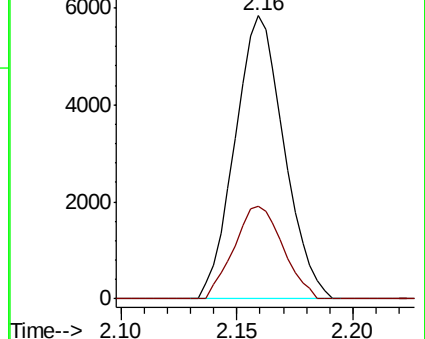
62 100

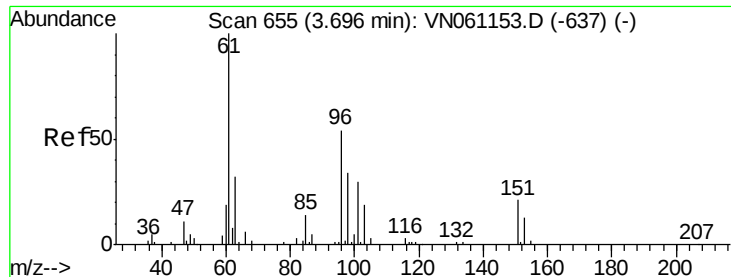
64 32.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

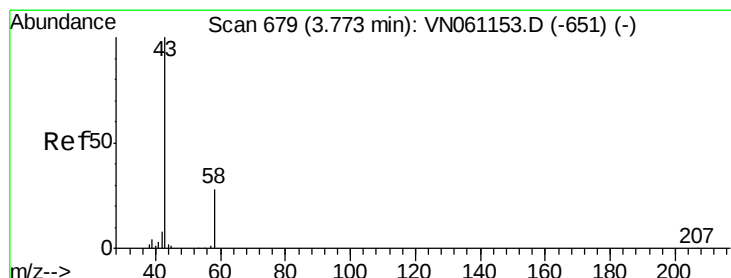
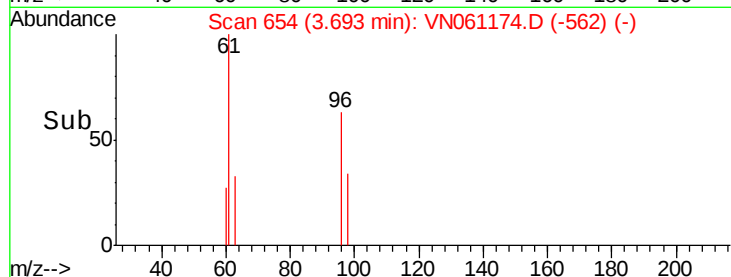
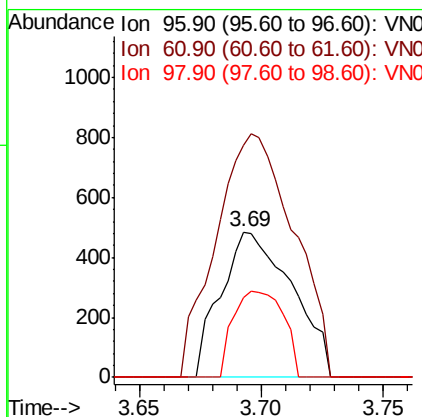
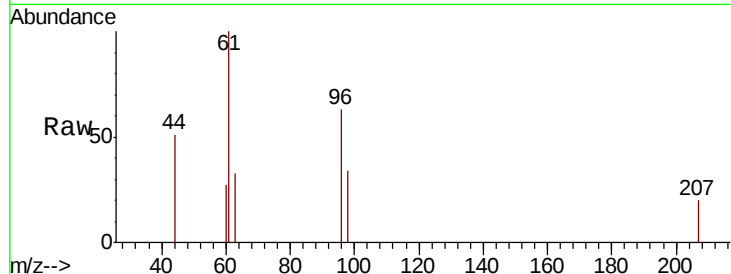




#12
 1,1-Dichloroethene
 Concen: 0.917 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

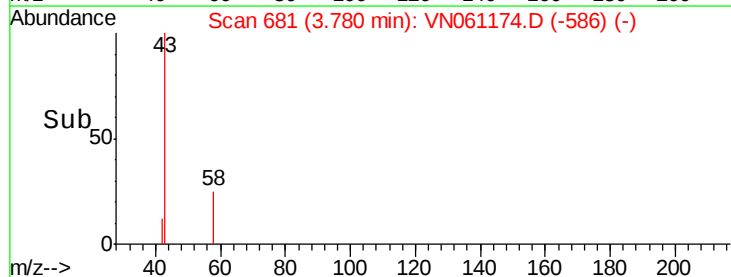
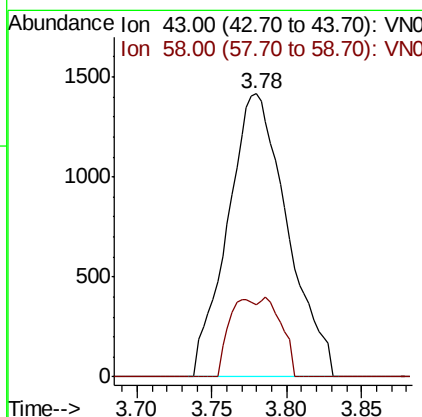
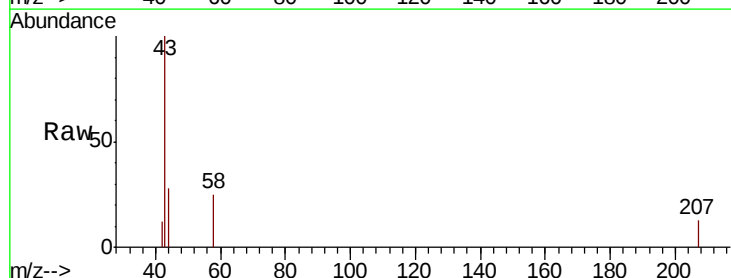
Instrument :
 MSVOA_N
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 ST008RW256-200423

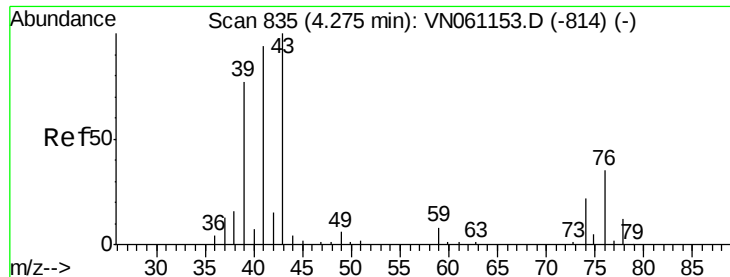
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.1	147.0	220.6
98	54.7	49.8	74.6



#16
 Acetone
 Concen: 0.811 ug/l
 RT: 3.78 min Scan# 681
 Delta R.T. 0.01 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.4	22.2	33.2

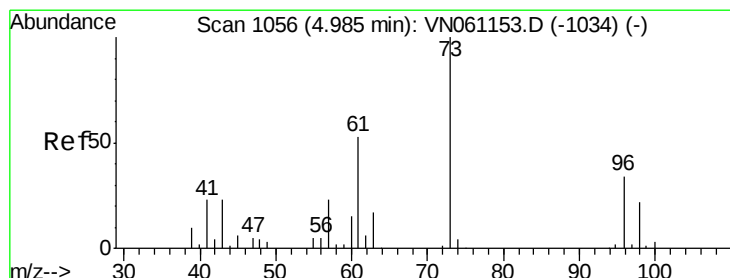
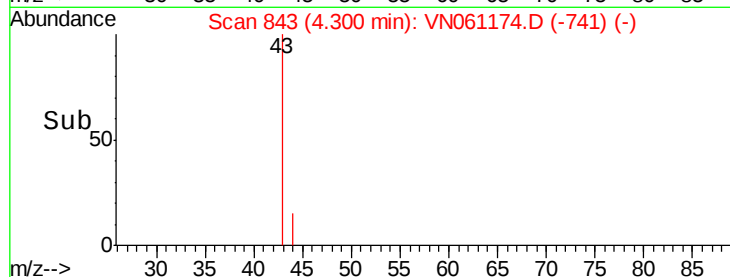
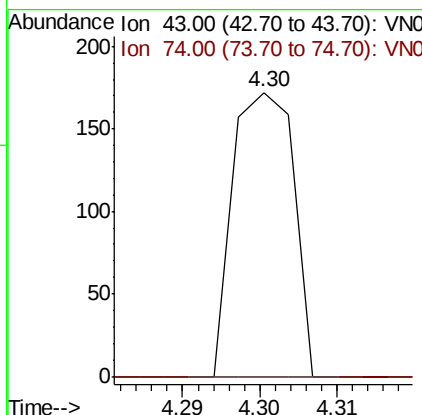
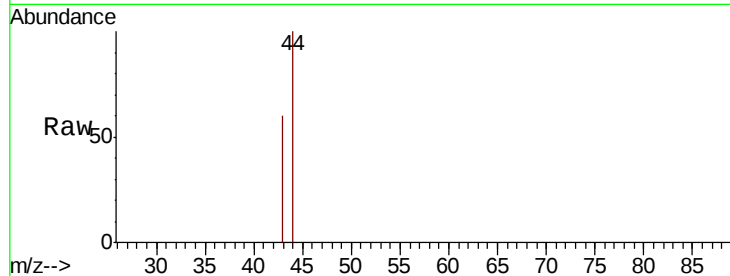




#18
Methvl Acetate
Concen: 0.725 ug/l
RT: 4.30 min Scan# 843
Delta R.T. 0.03 min
Lab File: VN061174.D
Acq: 28 Apr 2020 19:32

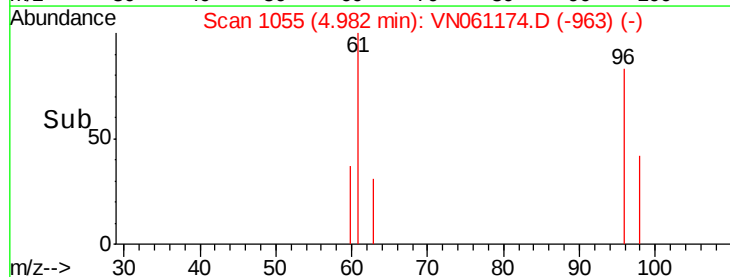
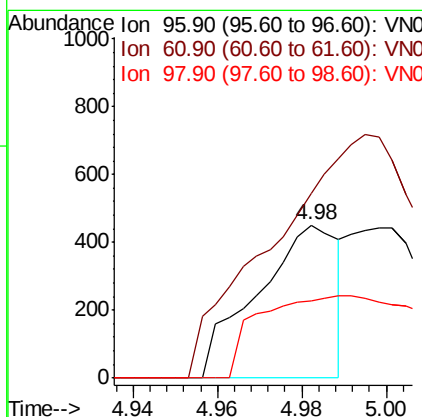
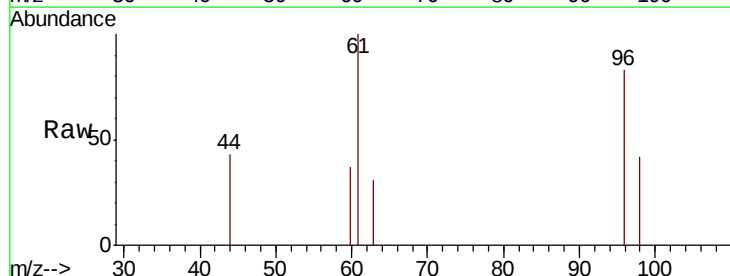
Instrument :
MSVOA_N
ClientSampleId :
ST008RW256-200423

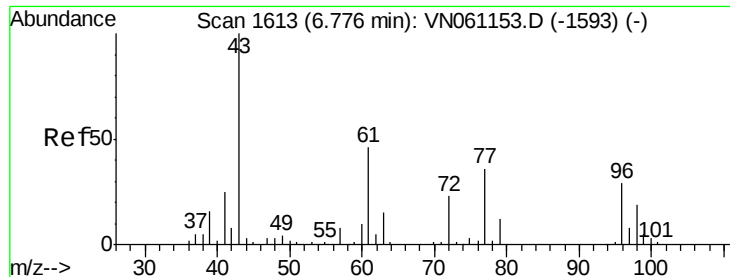
Tot Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#21
trans-1,2-Dichloroethene
Concen: 0.515 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061174.D
Acq: 28 Apr 2020 19:32

Tgt Ion: 96 Resp: 602
Ion Ratio Lower Upper
96 100
61 121.1 123.0 184.4#
98 50.8 50.1 75.1





#27

cis-1,2-Dichloroethene

Concen: 142.727 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061174.D

Acq: 28 Apr 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

ST008RW256-200423

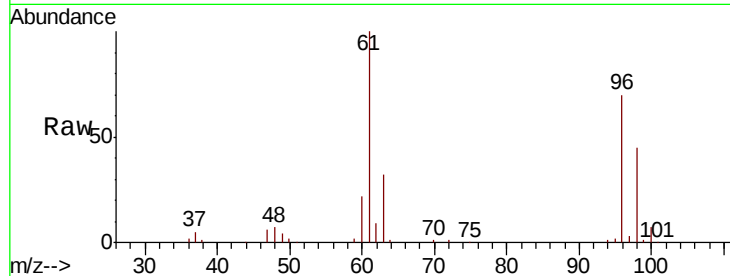
Tot Ion: 96 Resp: 195795

Ion Ratio Lower Upper

96 100

61 140.3 0.0 322.0

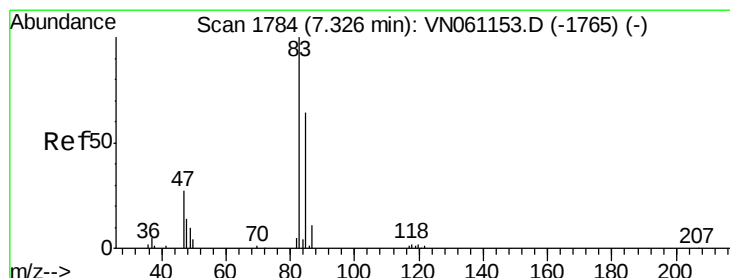
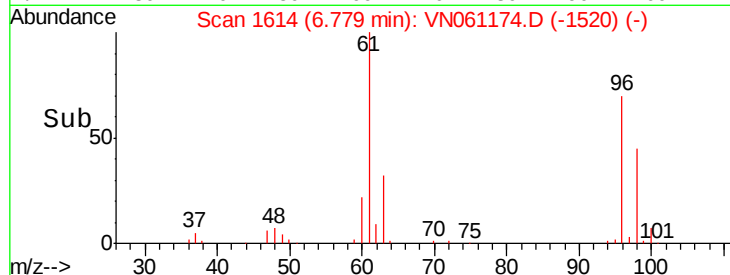
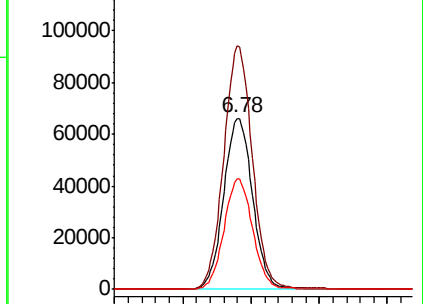
98 64.0 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1593) (-)



#30

Chloroform

Concen: 0.231 ug/l

RT: 7.33 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VN061174.D

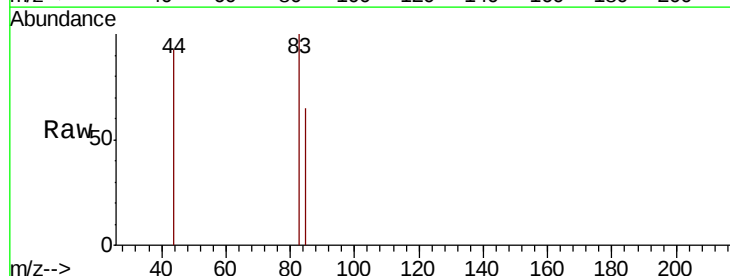
Acq: 28 Apr 2020 19:32

Tgt Ion: 83 Resp: 565

Ion Ratio Lower Upper

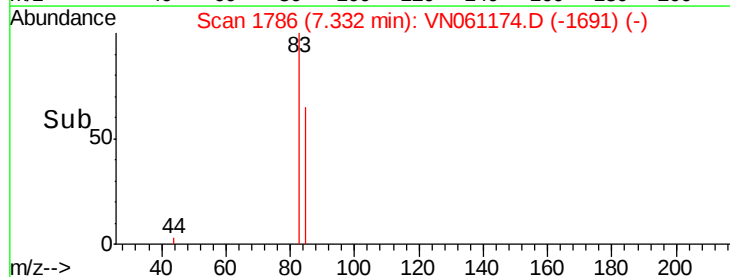
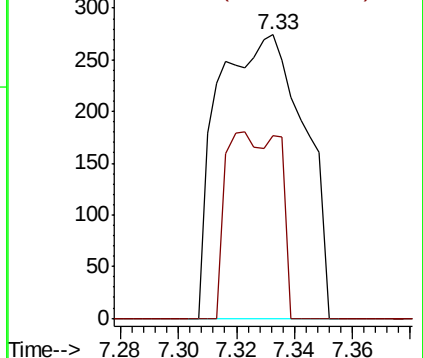
83 100

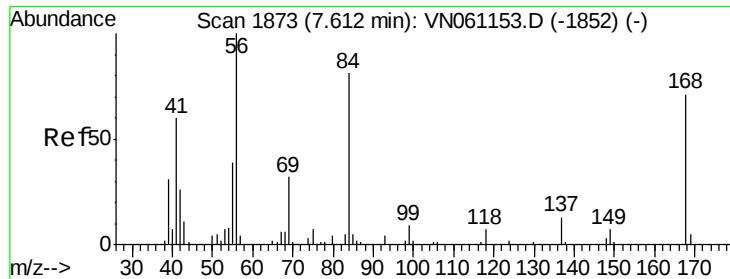
85 64.6 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-1765) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-1765) (-)

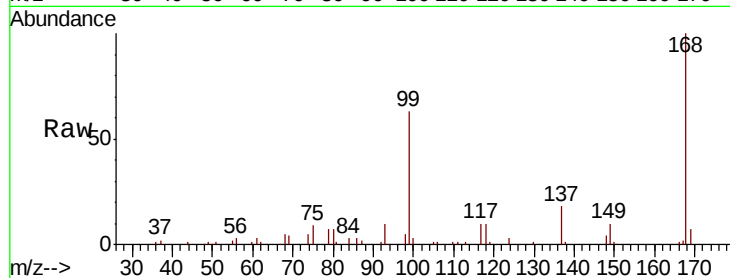




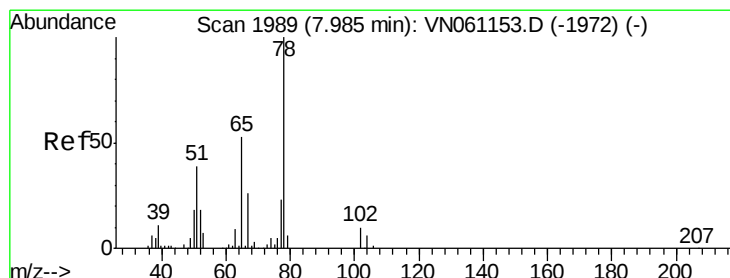
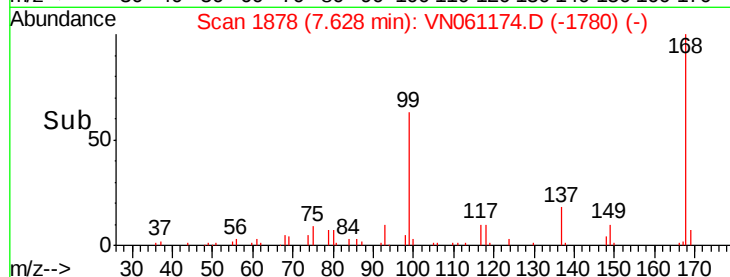
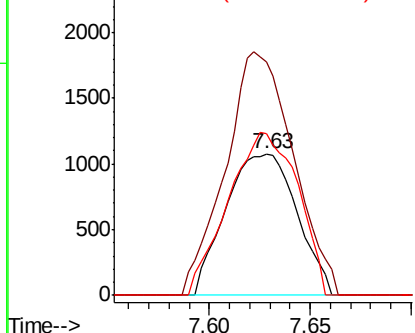
#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VN061174.D
Acq: 28 Apr 2020 19:32

Instrument :
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Tot Ion: 56 Resp: 2652
Ion Ratio Lower Upper
56 100
69 164.7 25.7 38.5#
84 113.9 64.6 97.0#

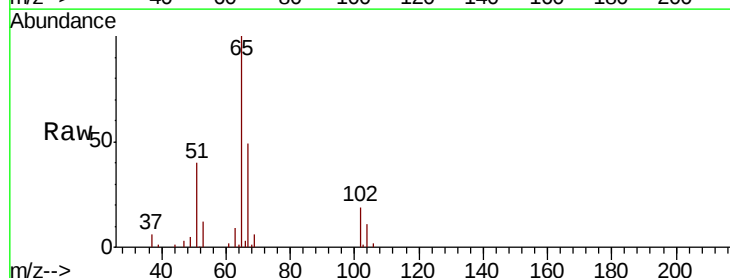


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

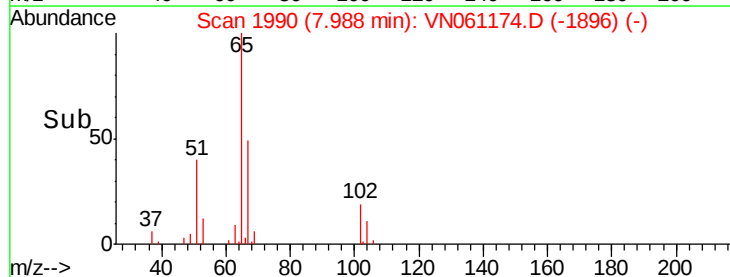
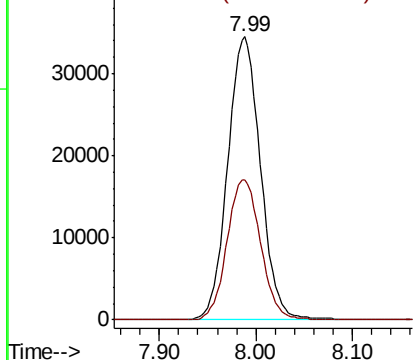


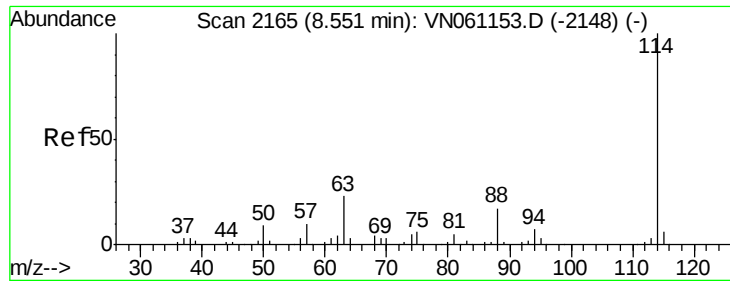
#33
1,2-Dichloroethane-d4
Concen: 50.421 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061174.D
Acq: 28 Apr 2020 19:32

Tgt Ion: 65 Resp: 81177
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.6



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

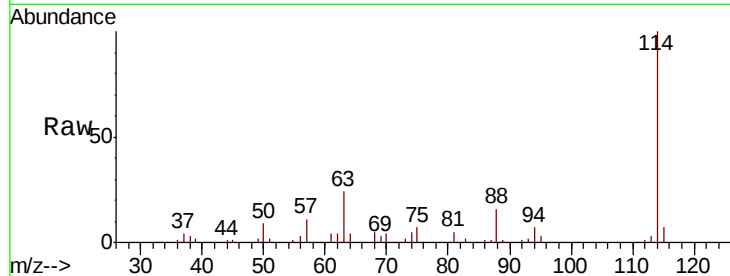




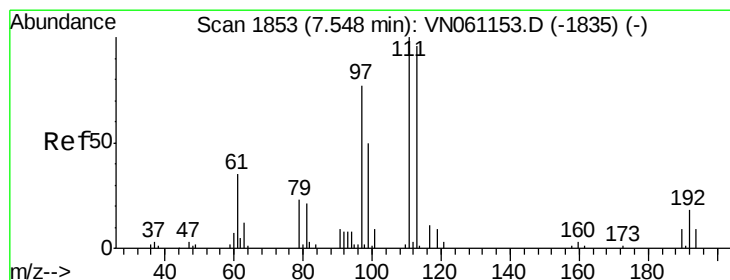
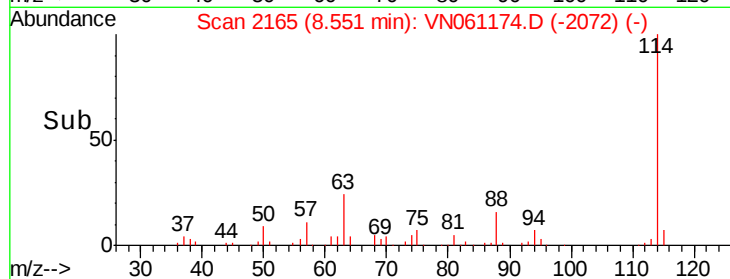
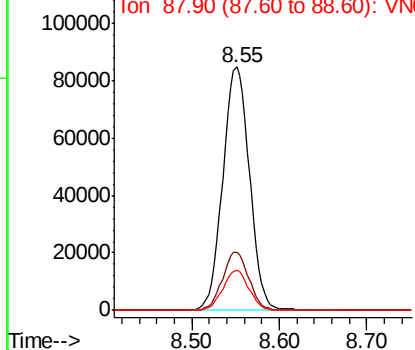
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

Instrument :
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Tot Ion:114 Resp: 179985
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.6
 88 16.3 0.0 33.4

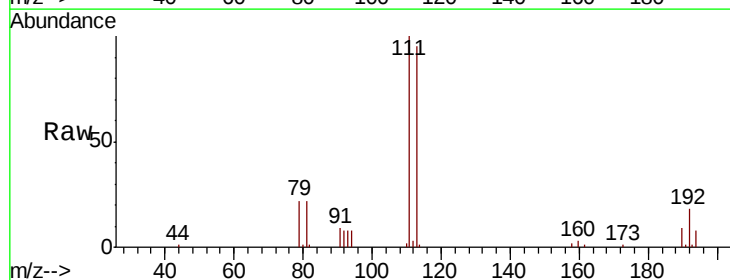


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

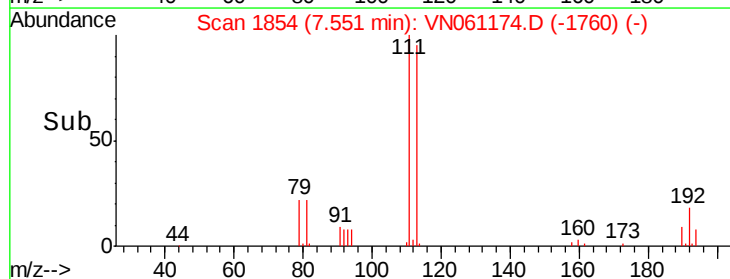
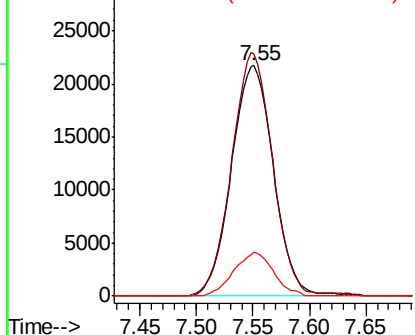


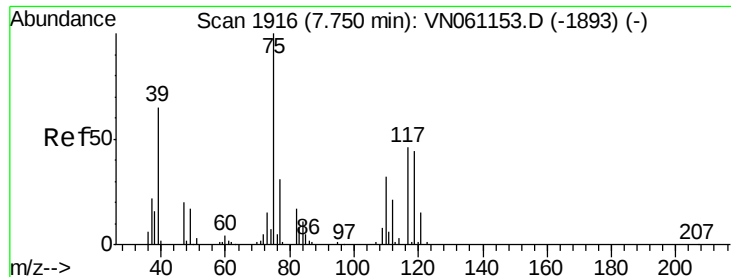
#35
 Dibromofluoromethane
 Concen: 52.591 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

Tgt Ion:113 Resp: 55972
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 17.9 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: 5.174 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.12 min

Lab File: VN061174.D

Acq: 28 Apr 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

ST008RW256-200423

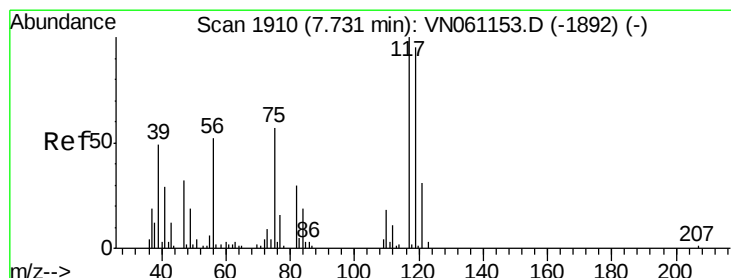
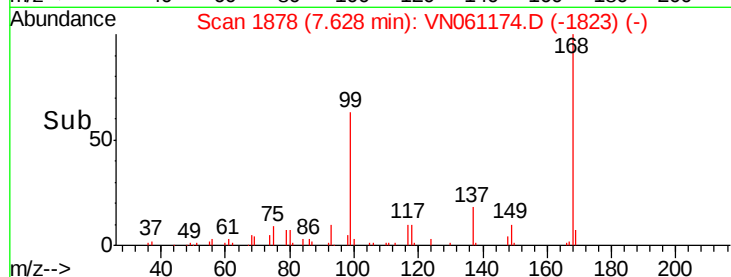
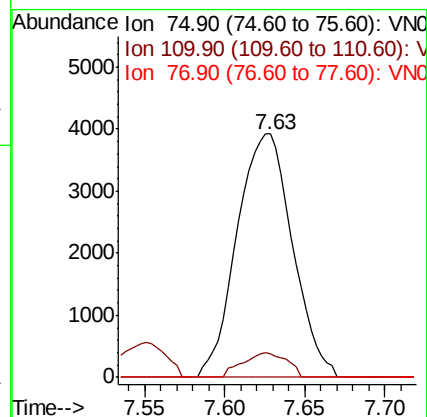
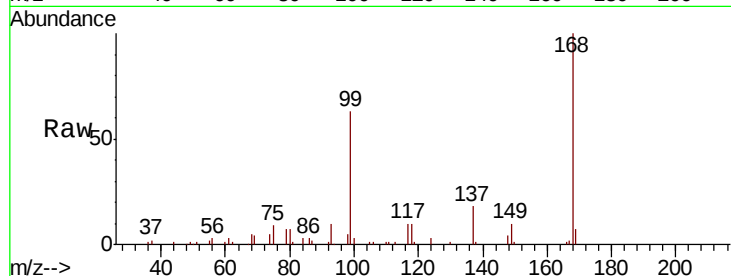
Tot Ion: 75 Resp: 9322

Ion Ratio Lower Upper

75 100

110 8.0 16.0 48.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 7.580 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061174.D

Acq: 28 Apr 2020 19:32

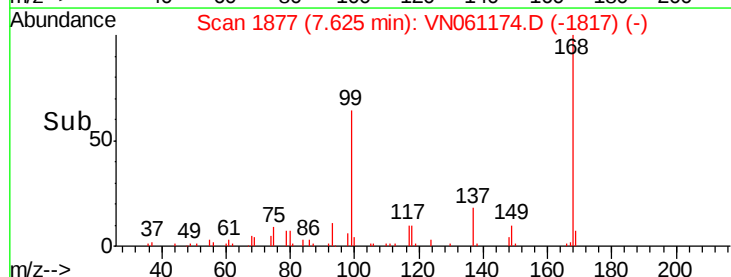
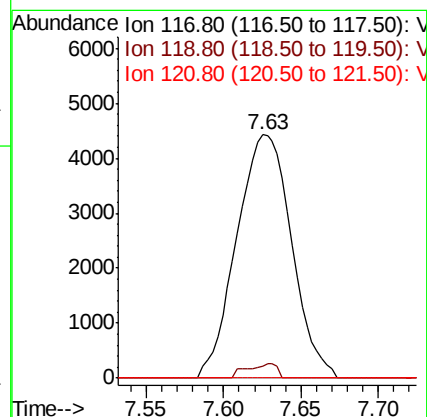
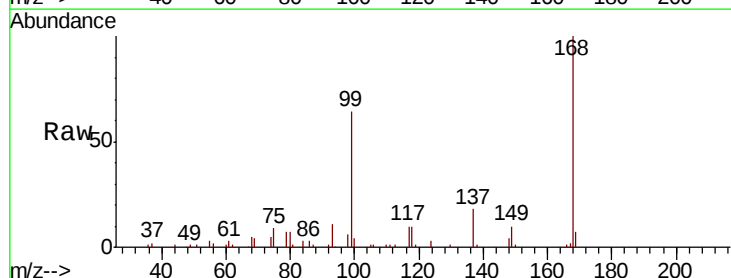
Tgt Ion: 117 Resp: 10921

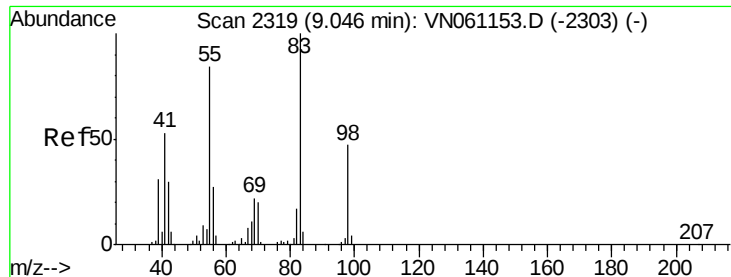
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.7 37.1#

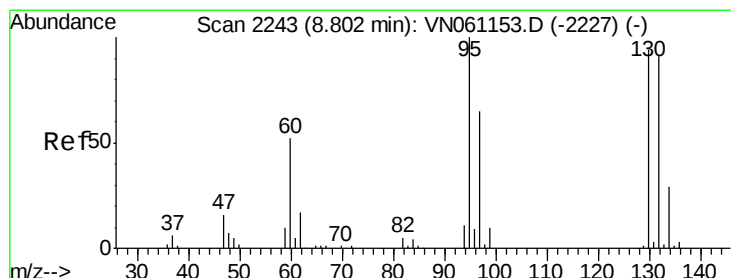
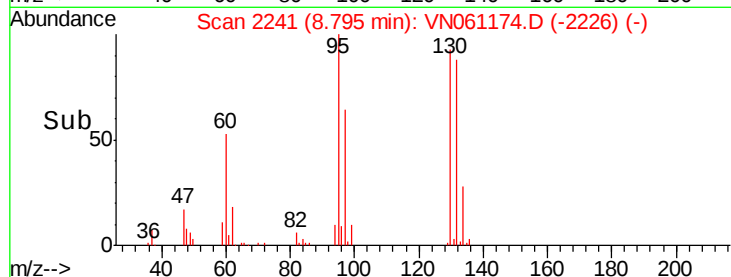
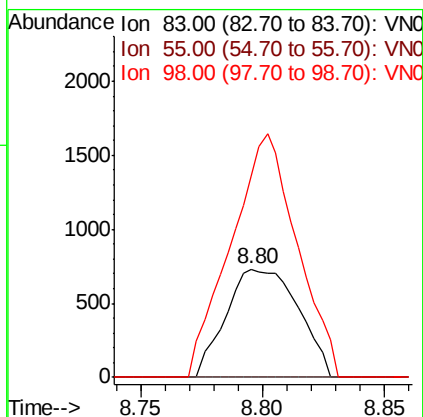
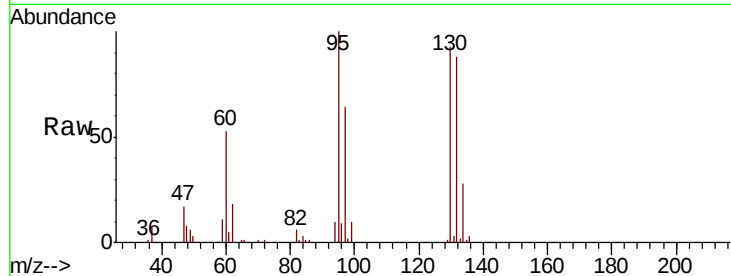




#39
Methylcyclohexane
Concen: 2.077 ug/l
RT: 8.80 min Scan# 2241
Delta R.T. -0.25 min
Lab File: VN061174.D
Acq: 28 Apr 2020 19:32

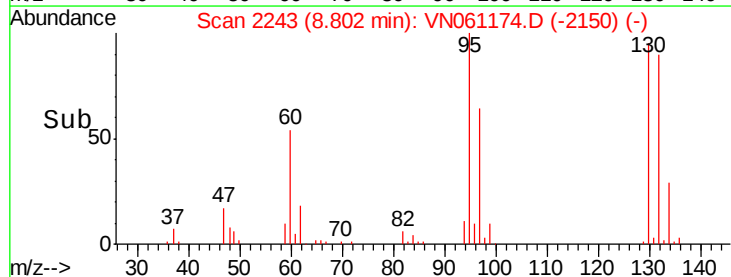
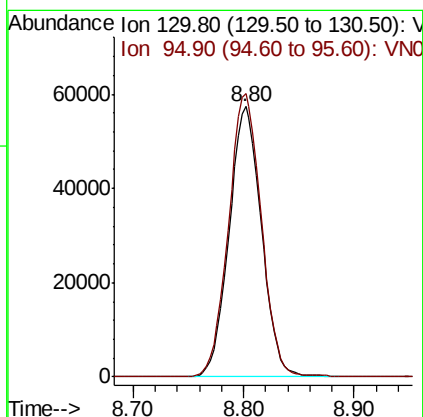
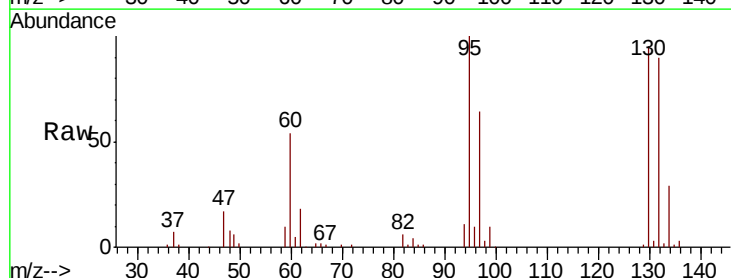
Instrument :
MSVOA_N
ClientSampleId :
ST008RW256-200423

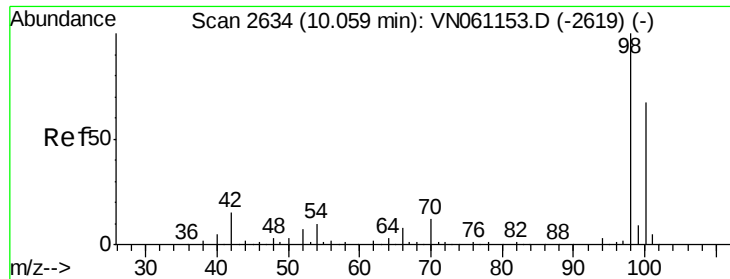
Tot Ion: 83 Resp: 1506
Ion Ratio Lower Upper
83 100
55 0.0 67.3 100.9#
98 185.5 37.7 56.5#



#44
Trichloroethene
Concen: 80.344 ug/l
RT: 8.80 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VN061174.D
Acq: 28 Apr 2020 19:32

Tgt Ion: 130 Resp: 116585
Ion Ratio Lower Upper
130 100
95 104.7 0.0 212.4





#50

Toluene-d8

Concen: 51.974 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VN061174.D

Acq: 28 Apr 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

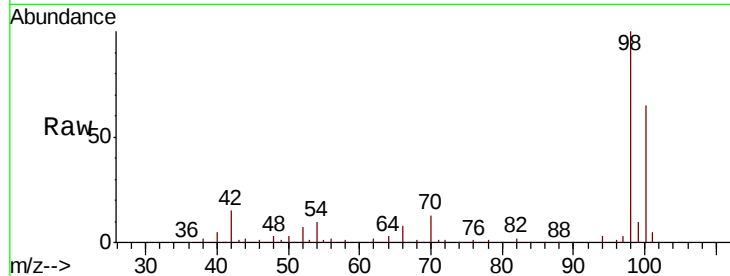
ST008RW256-200423

Tot Ion: 98 Resp: 225496

Ion Ratio Lower Upper

98 100

100 65.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

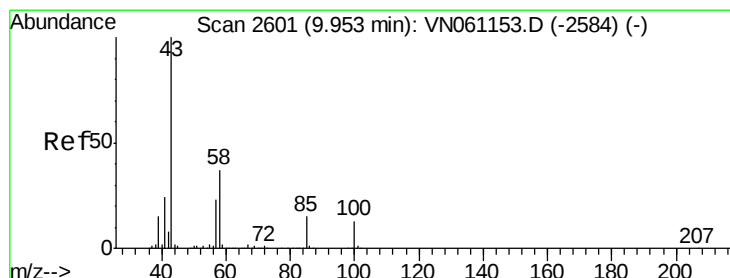
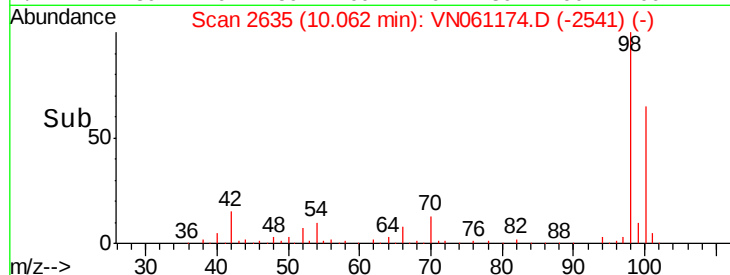
10.06

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.619 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061174.D

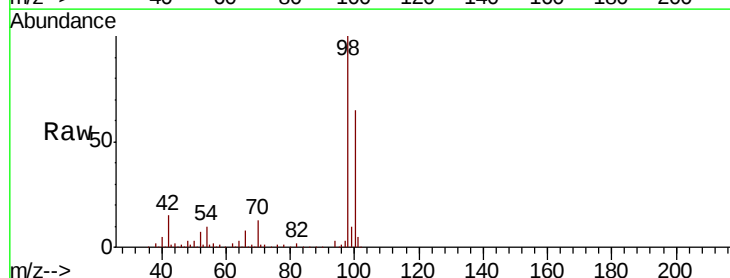
Acq: 28 Apr 2020 19:32

Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

58 172.1 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

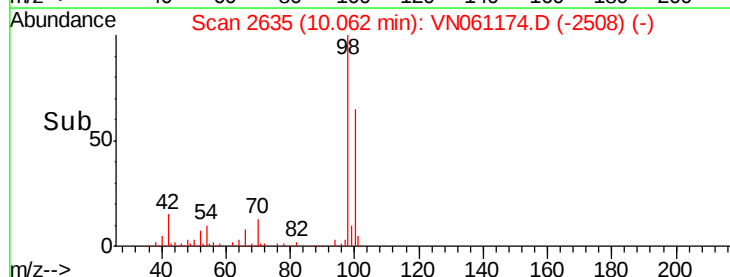
10.06

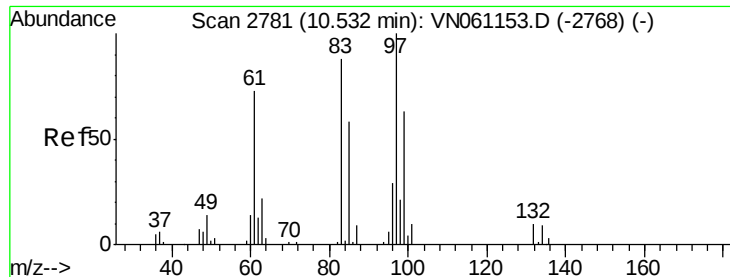
1000

500

0

Time-->

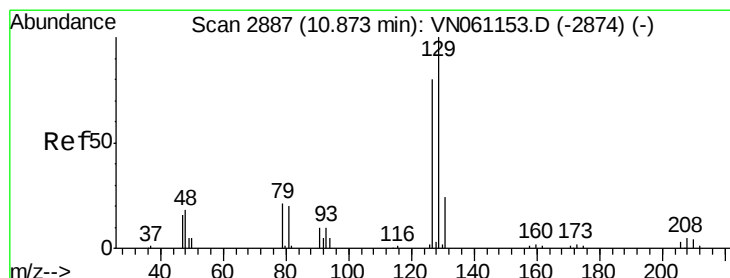
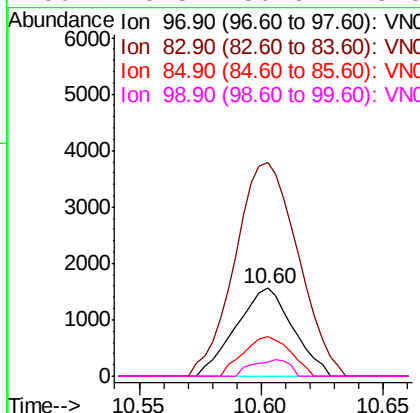
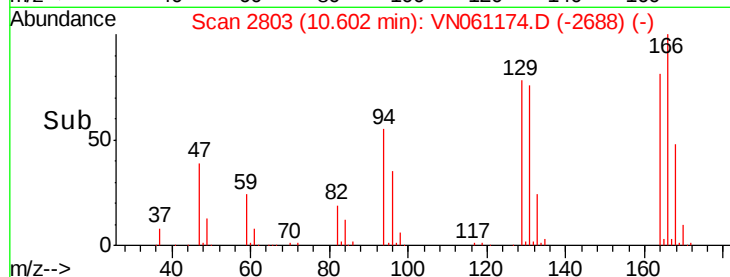
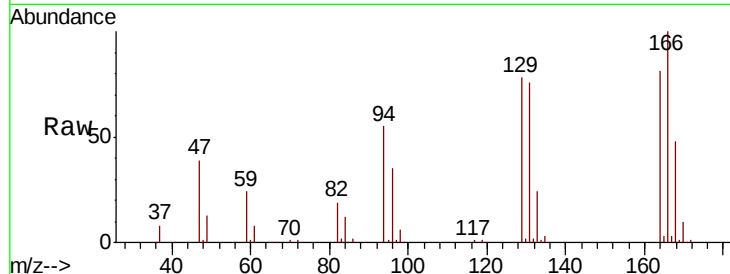




#55
 1,1,2-Trichloroethane
 Concen: 1.959 ug/l
 RT: 10.60 min Scan# 2803
 Delta R.T. 0.07 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

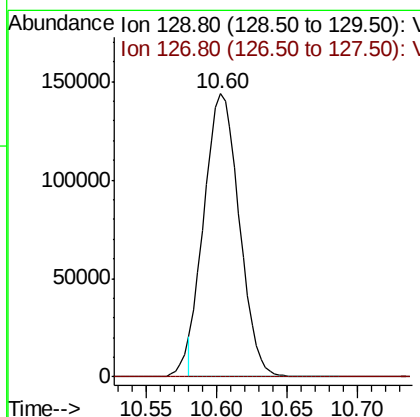
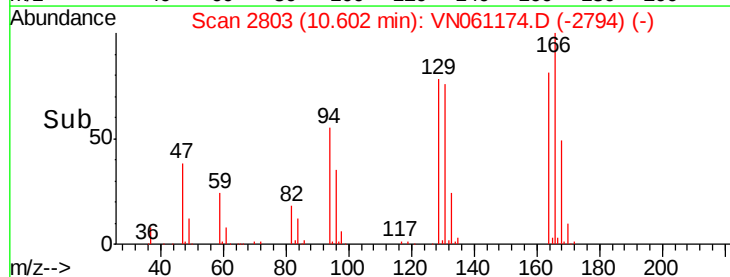
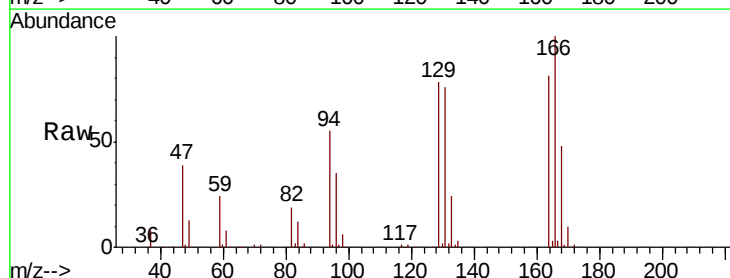
Instrument :
 MSVOA_N
 ClientSampleId :
 ST008RW256-200423

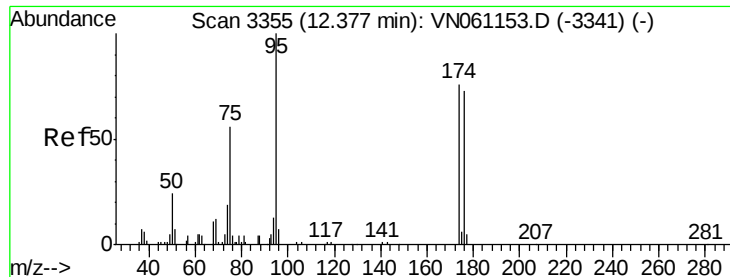
Tot Ion: 97 Resp: 2527
 Ion Ratio Lower Upper
 97 100
 83 243.5 70.6 106.0#
 85 45.0 46.4 69.6#
 99 16.3 50.6 75.8#



#60
 Dibromochloromethane
 Concen: 183.213 ug/l
 RT: 10.60 min Scan# 2803
 Delta R.T. -0.27 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

Tgt Ion: 129 Resp: 247463
 Ion Ratio Lower Upper
 129 100
 127 0.1 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 52.918 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061174.D

Acq: 28 Apr 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

ST008RW256-200423

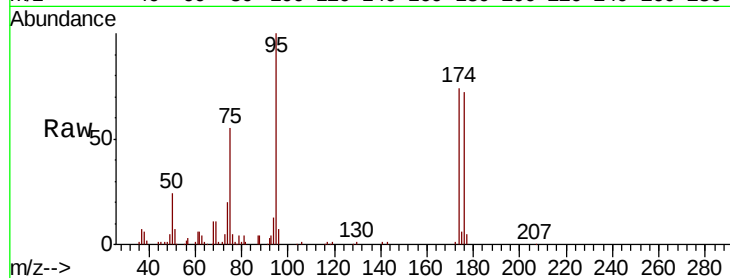
Tot Ion: 95 Resp: 86399

Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.4

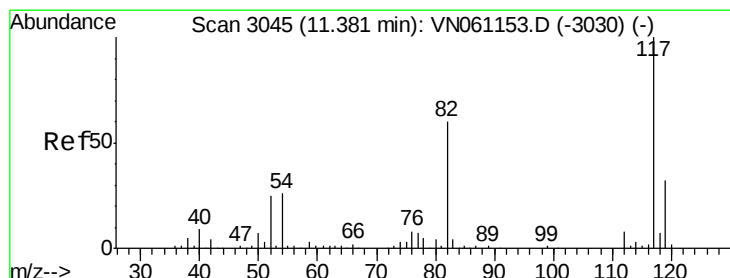
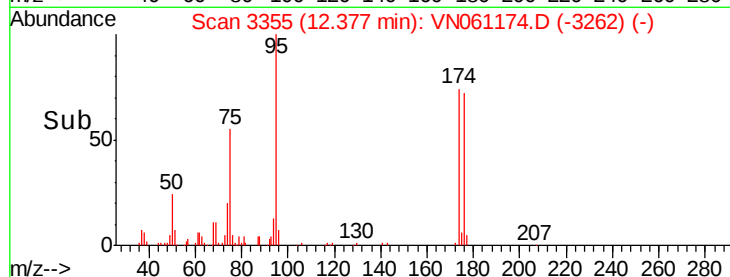
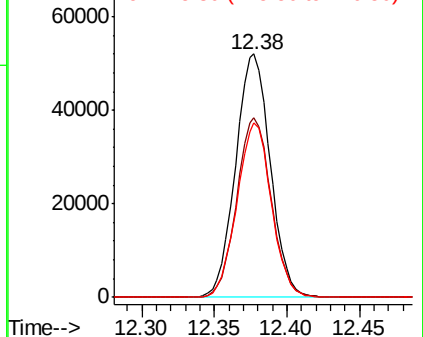
176 71.1 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061174.D

Acq: 28 Apr 2020 19:32

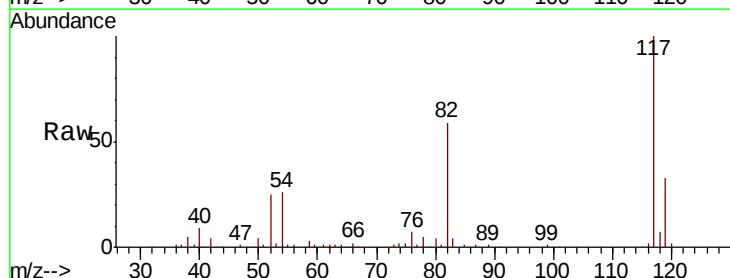
Tgt Ion: 117 Resp: 176573

Ion Ratio Lower Upper

117 100

82 59.0 47.8 71.8

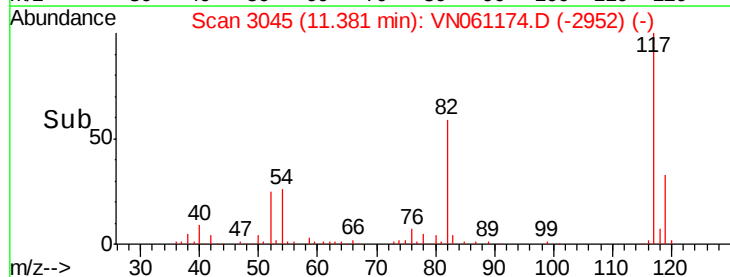
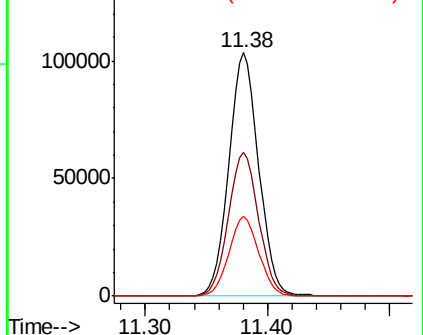
119 32.6 25.8 38.6

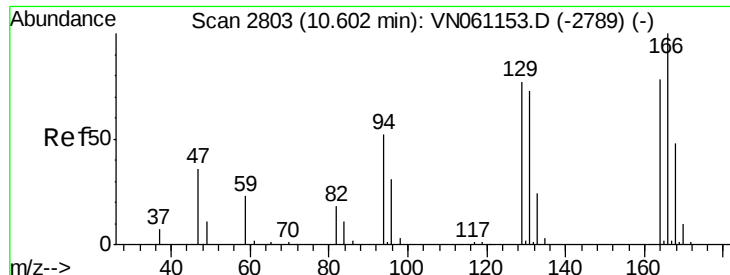


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 170.744 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061174.D

Acq: 28 Apr 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

ST008RW256-200423

Tot Ion:164 Resp: 261121

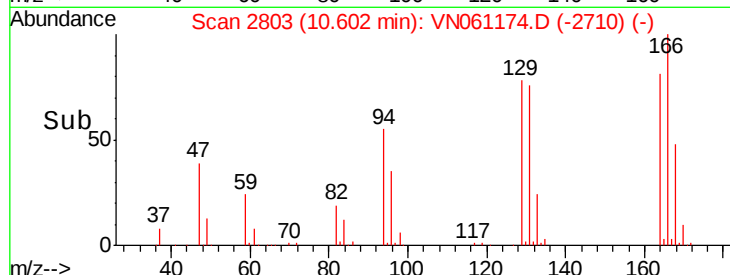
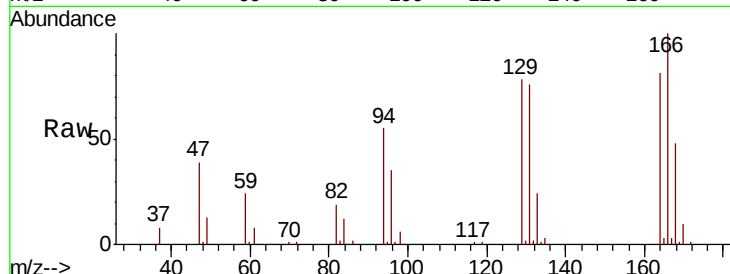
Ion Ratio Lower Upper

164 100

166 124.1 102.0 153.0

129 97.2 78.2 117.2

131 94.6 74.5 111.7

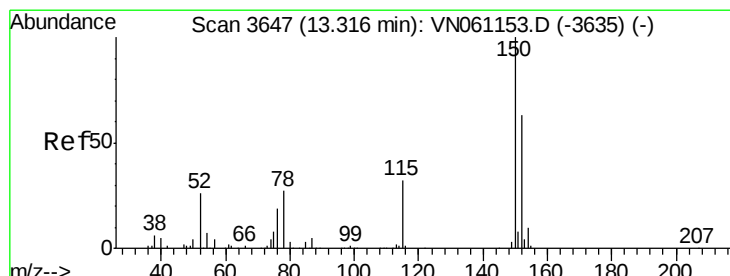
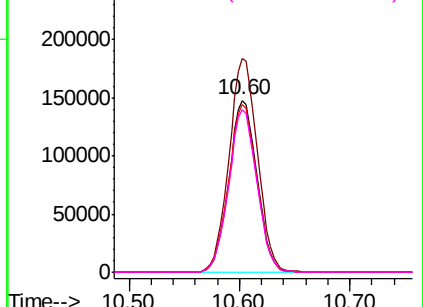


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN061174.D

Acq: 28 Apr 2020 19:32

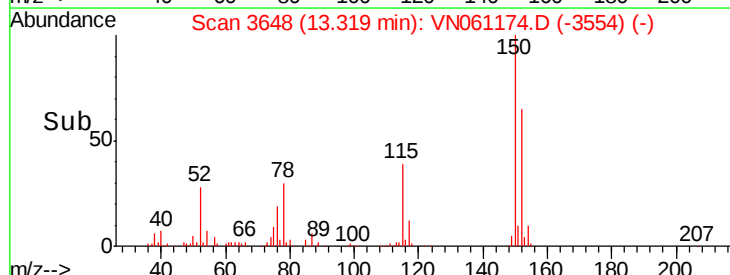
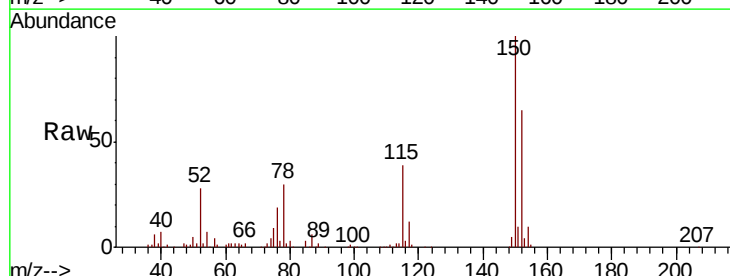
Tgt Ion:152 Resp: 81237

Ion Ratio Lower Upper

152 100

115 61.4 31.0 93.0

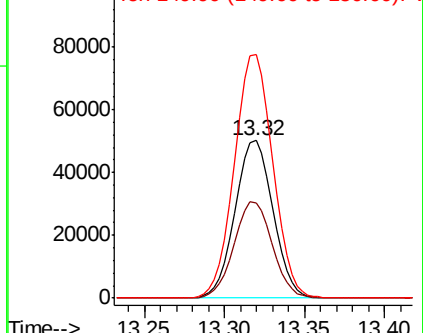
150 156.3 0.0 351.8

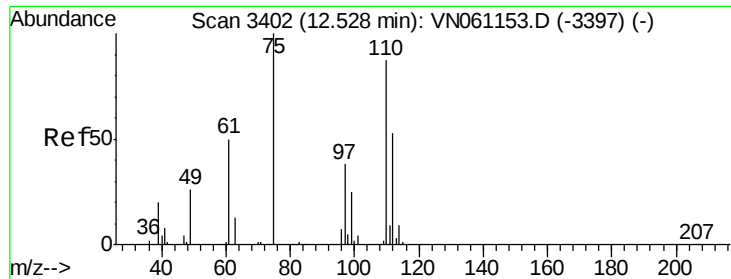


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

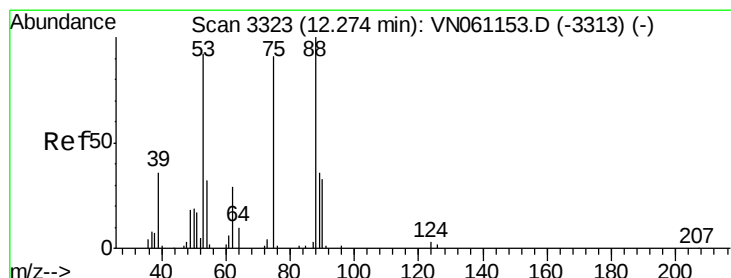
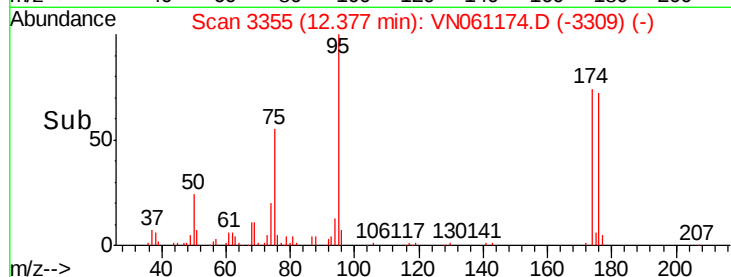
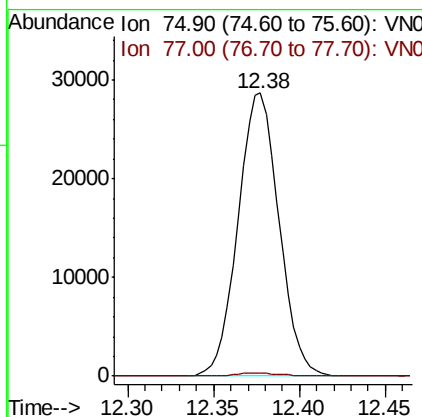
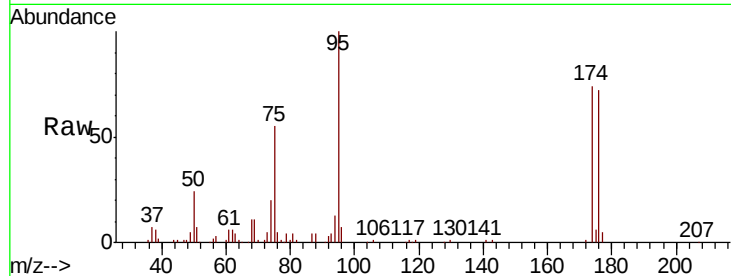




#76
 1,2,3-Trichloropropane
 Concen: 27.617 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ST008RW256-200423

Tot Ion: 75 Resp: 47299
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.132 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061174.D
 Acq: 28 Apr 2020 19:32

Tgt Ion: 75 Resp: 47299
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

