

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060193.D
 Acq On : 21 Feb 2020 17:20
 Operator : JC/MD
 Sample : L1658-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:26:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	288244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118356	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	106572	48.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.28%	
35) Dibromofluoromethane	7.57	113	85487	48.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.50%	
50) Toluene-d8	10.08	98	348518	49.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	124922	48.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.44%	

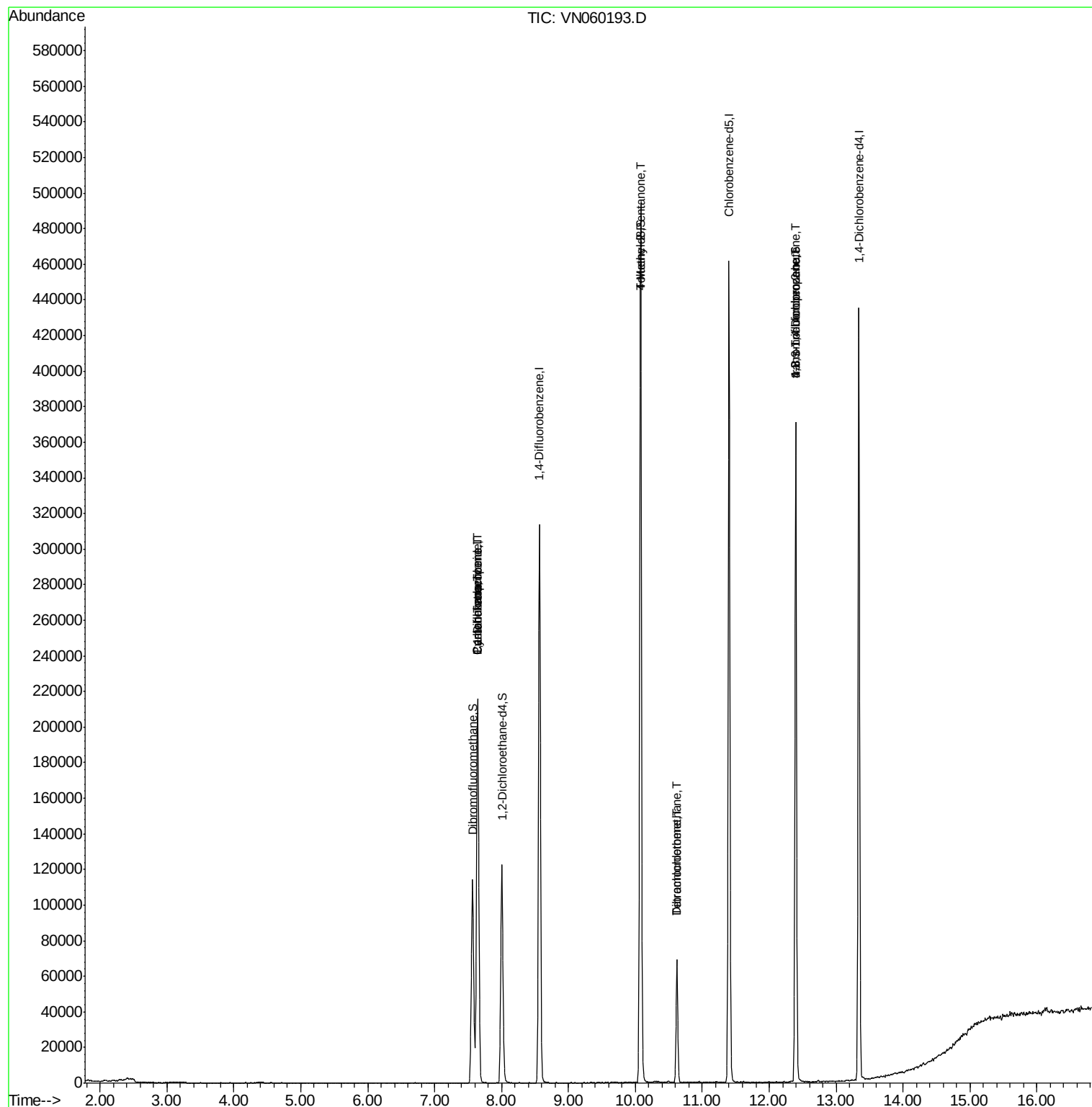
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3671	1.173	ug/l #	21
36) 1,1-Dichloropropene	7.64	75	13307	4.984	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17038	5.876	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1343	0.563	ug/l #	1
60) Dibromochloromethane	10.62	129	14800	6.509	ug/l #	11
64) Tetrachloroethene	10.62	164	16810	8.172	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	64478	28.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	64478	69.720	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.40	75	97	Below Cal	#	1

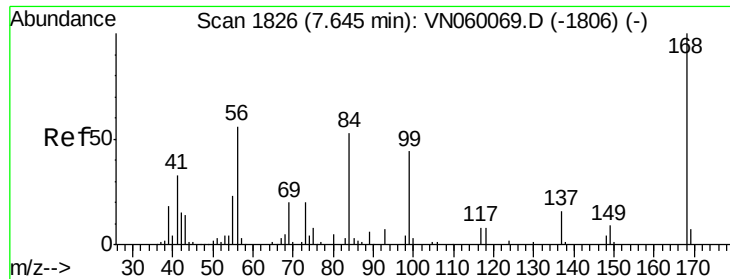
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022120\
Data File : VN060193.D
Acq On : 21 Feb 2020 17:20
Operator : JC/MD
Sample : L1658-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 21 22:26:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

Instrument :

MSVOA_N

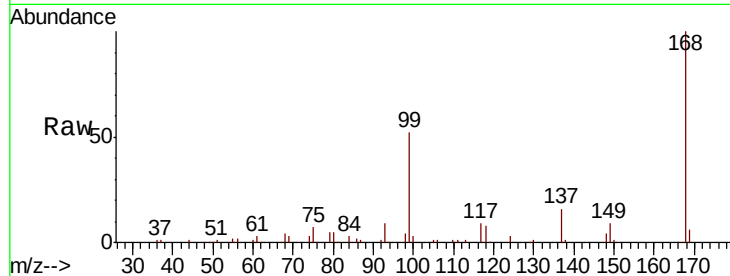
ClientSampled :

Tot Ion:168 Resp: 181919

Ion Ratio Lower Upper

168 100

99 52.2 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

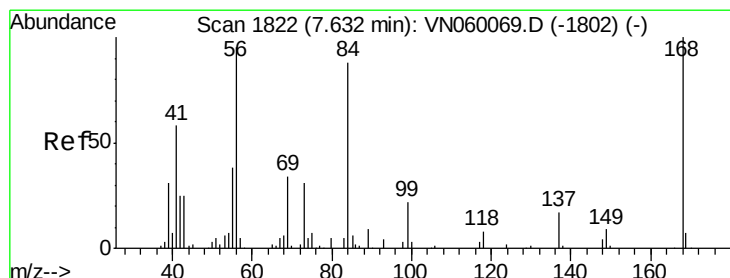
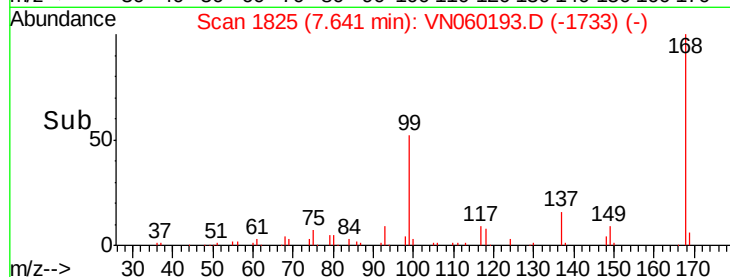
40000

20000

0

Time-->

7.60 7.70



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

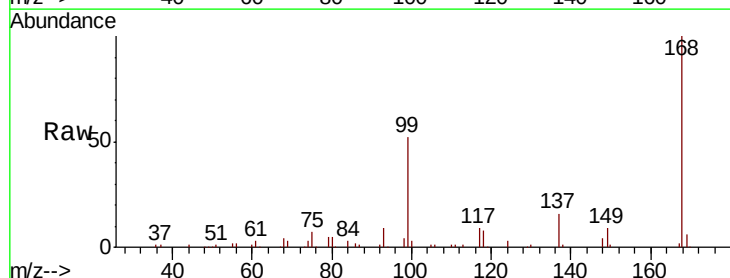
Tgt Ion: 56 Resp: 3671

Ion Ratio Lower Upper

56 100

69 147.5 28.3 42.5#

84 123.3 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

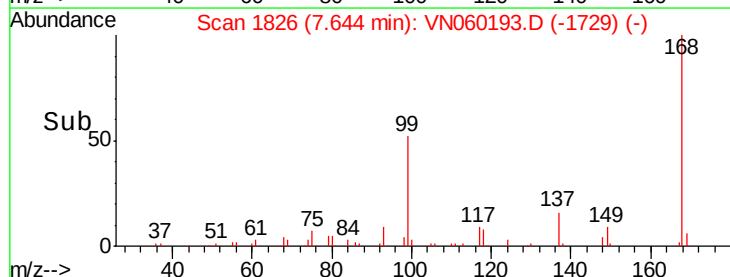
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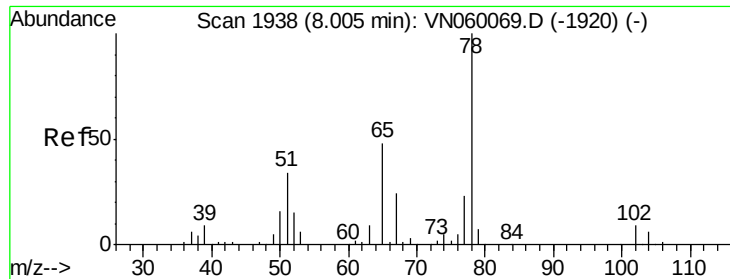
1000

0

Time-->

7.60 7.65 7.70

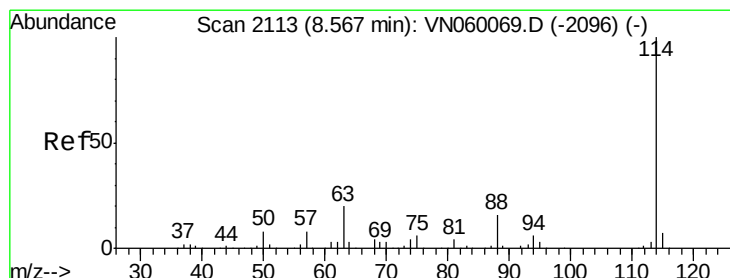
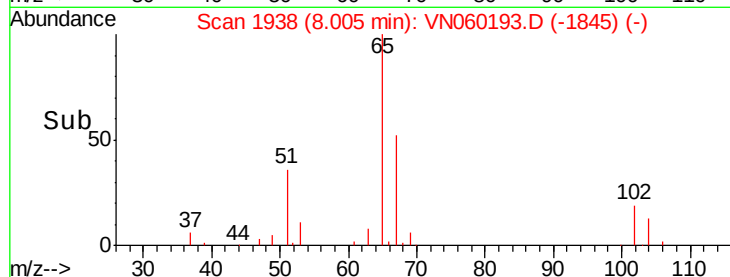
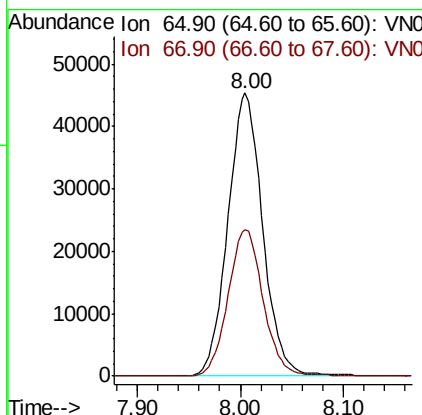
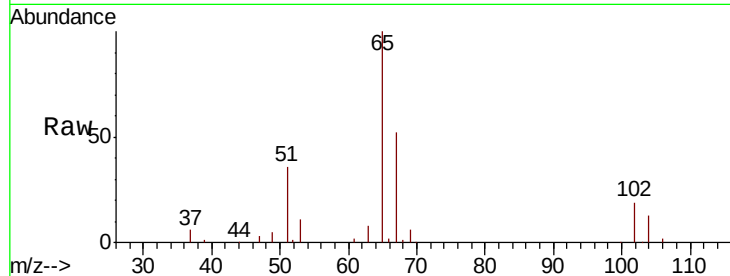




#33
 1,2-Dichloroethane-d4
 Concen: 48.143 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060193.D
 Acq: 21 Feb 2020 17:20

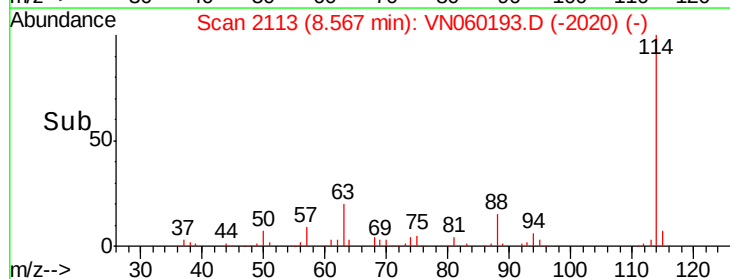
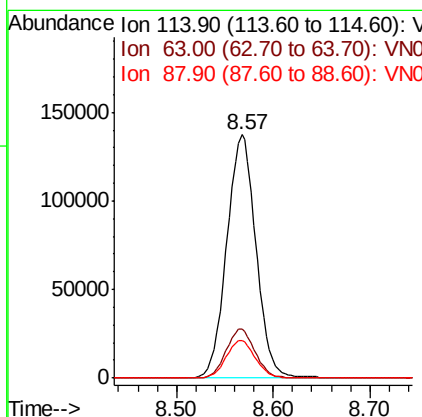
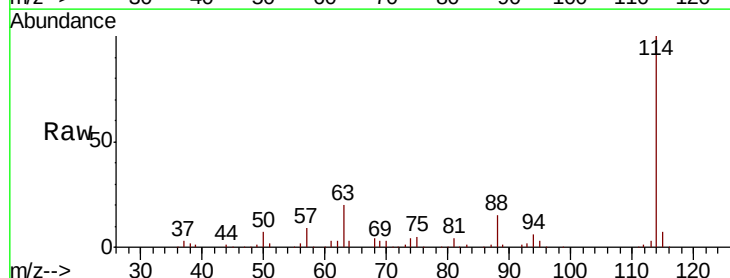
Instrument :
 MSVOA_N
 ClientSampled :

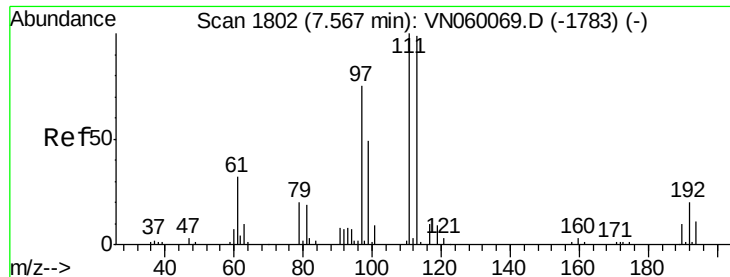
Tot Ion: 65 Resp: 106572
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060193.D
 Acq: 21 Feb 2020 17:20

Tgt Ion: 114 Resp: 288244
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.5 0.0 31.6

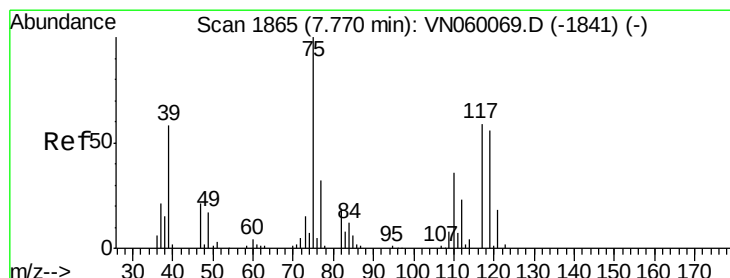
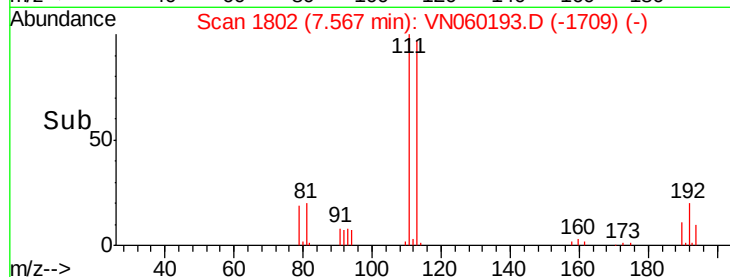
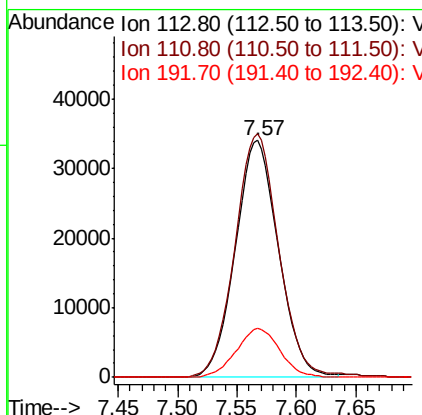
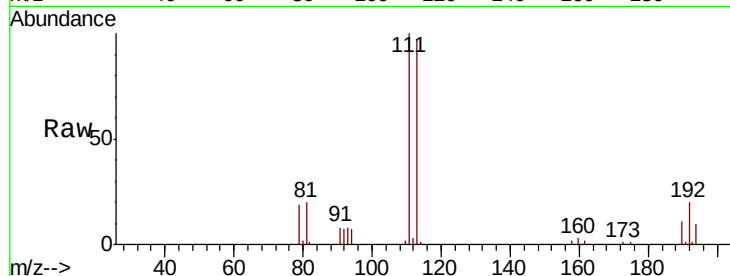




#35
 Dibromofluoromethane
 Concen: 48.248 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060193.D
 Acq: 21 Feb 2020 17:20

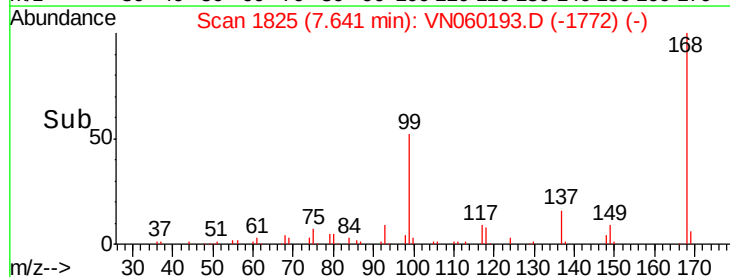
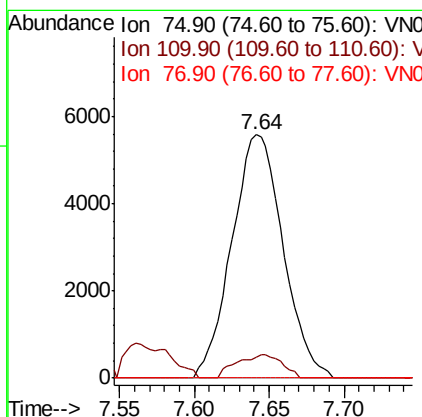
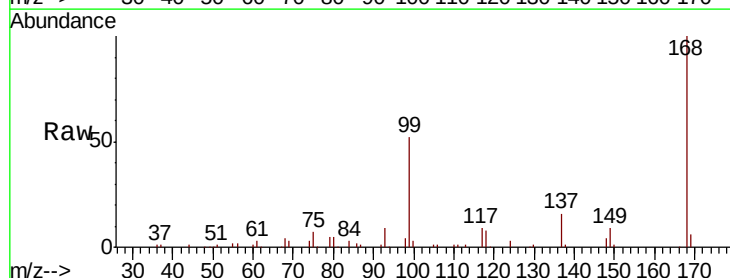
Instrument :
 MSVOA_N
 ClientSampleId :

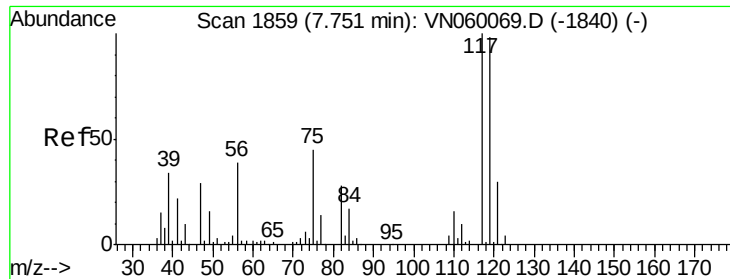
Tot Ion:113 Resp: 85487
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.4 122.2
 192 20.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060193.D
 Acq: 21 Feb 2020 17:20

Tgt Ion: 75 Resp: 13307
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.3#
 77 0.0 25.1 37.7#

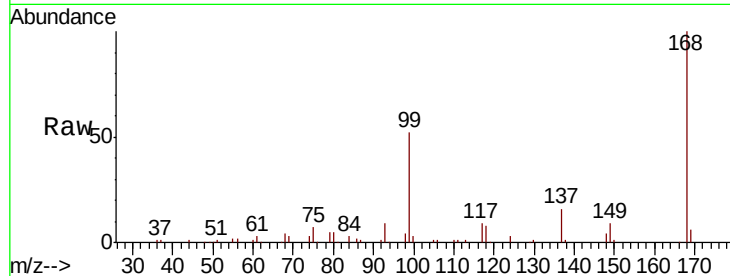




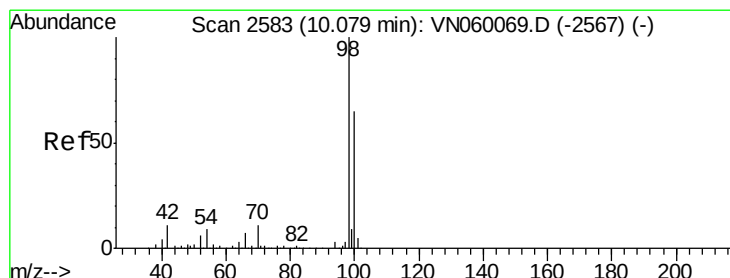
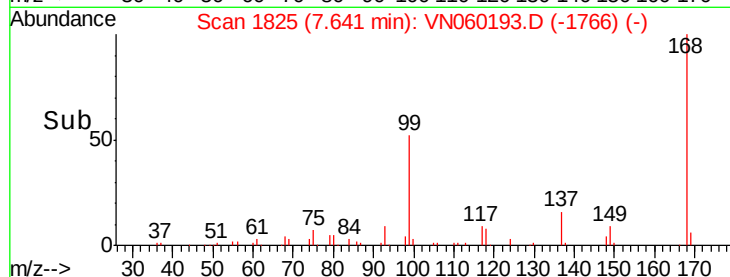
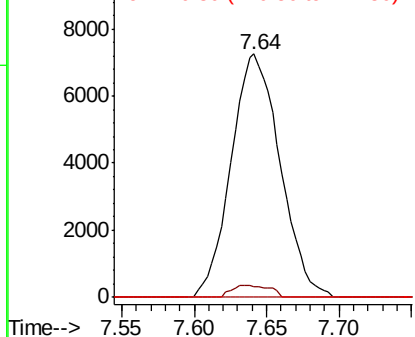
#38
Carbon Tetrachloride
Concen: 5.876 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060193.D
Acq: 21 Feb 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 17038
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.4#
121 0.0 24.2 36.2#

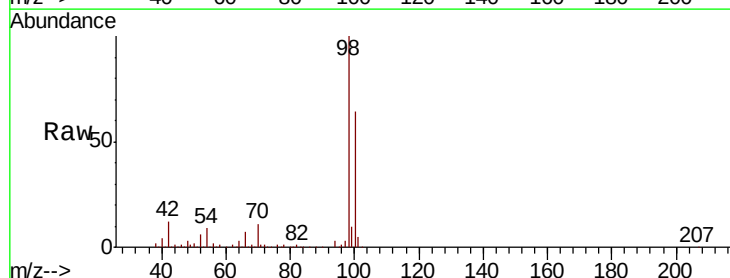


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

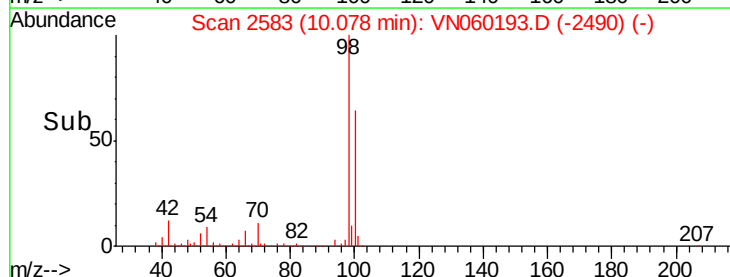
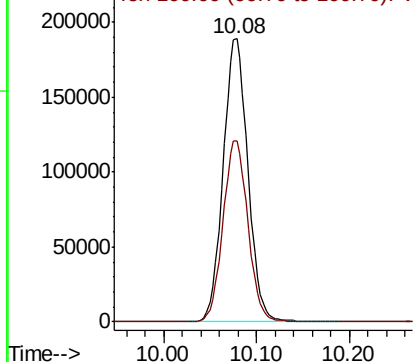


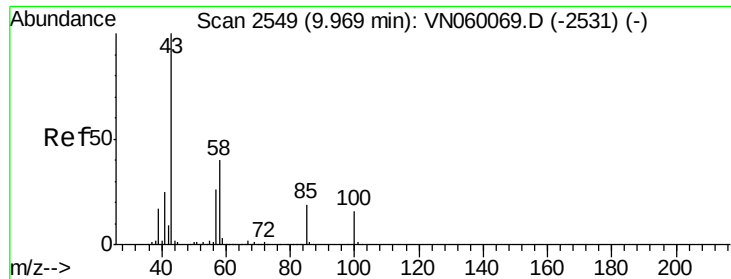
#50
Toluene-d8
Concen: 49.950 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060193.D
Acq: 21 Feb 2020 17:20

Tgt Ion: 98 Resp: 348518
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.563 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

Instrument :

MSVOA_N

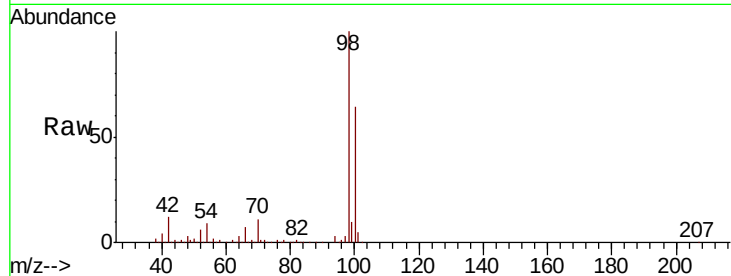
ClientSampled :

Tot Ion: 43 Resp: 1343

Ion Ratio Lower Upper

43 100

58 208.1 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

1500

1000

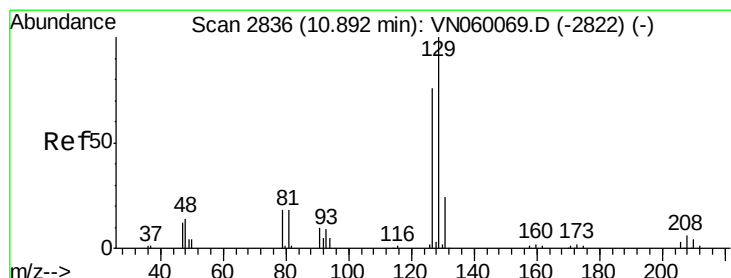
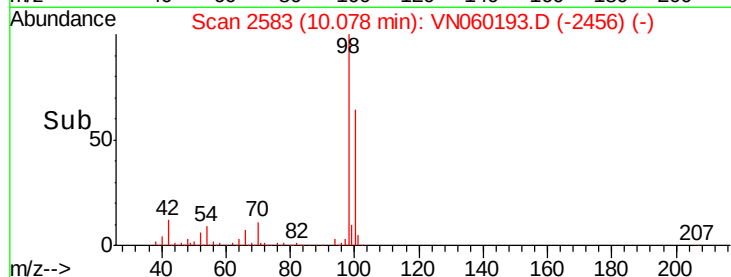
500

0

10.05

10.10

Time-->



#60

Dibromochloromethane

Concen: 6.509 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.27 min

Lab File: VN060193.D

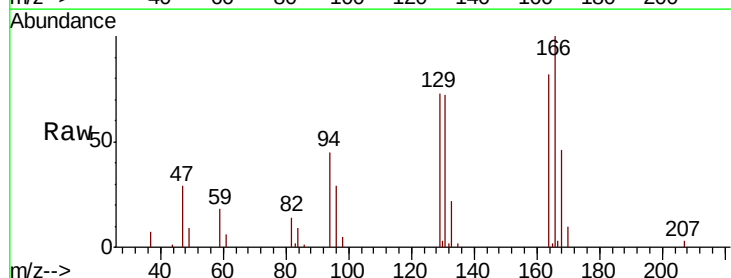
Acq: 21 Feb 2020 17:20

Tgt Ion: 129 Resp: 14800

Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.1#



Abundance Ion 128.80 (128.50 to 129.50): VN060069.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN060069.D (-2822) (-)

10000

8000

6000

4000

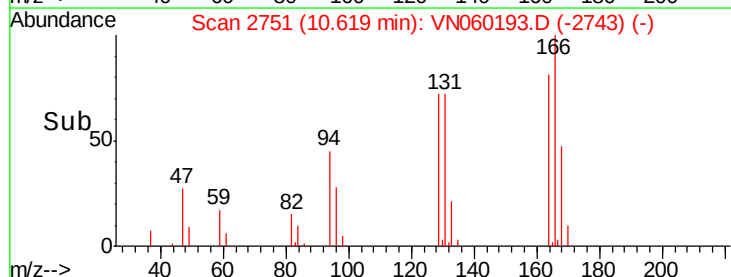
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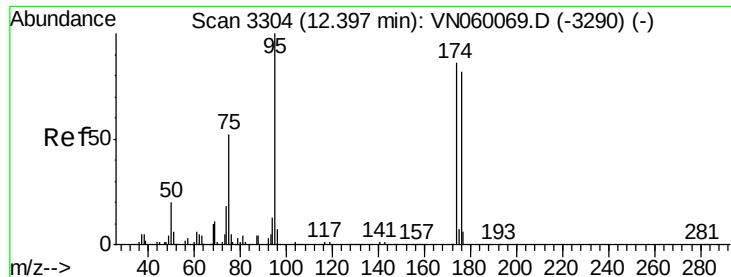
0

10.60

10.65

Time-->





#62

4-Bromofluorobenzene

Concen: 48.724 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

Instrument :

MSVOA_N

ClientSampled :

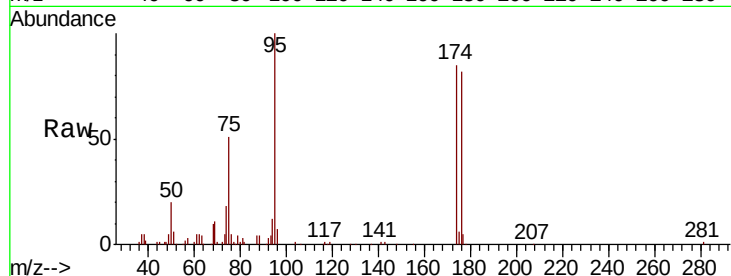
Tot Ion: 95 Resp: 124922

Ion Ratio Lower Upper

95 100

174 85.2 0.0 169.8

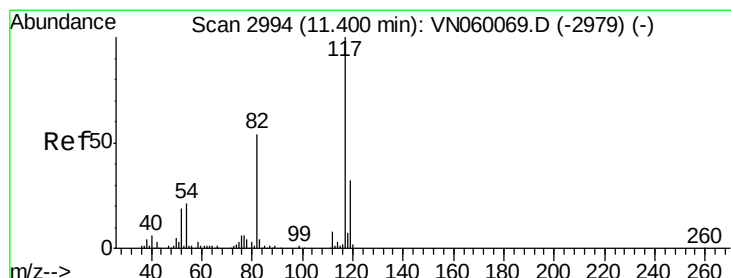
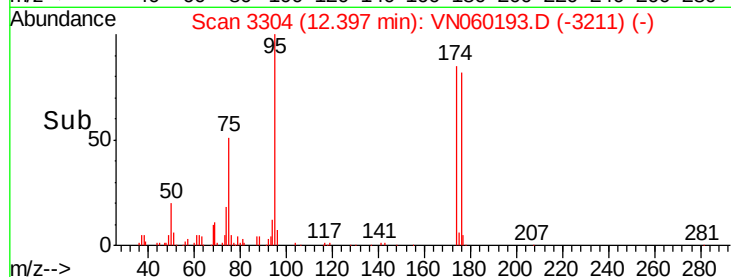
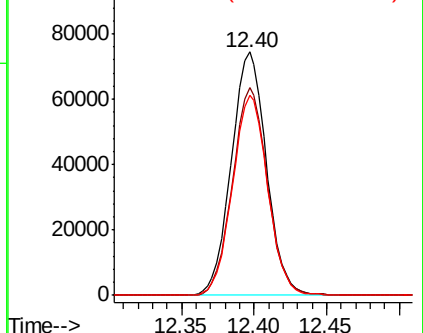
176 82.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060069.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060069.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

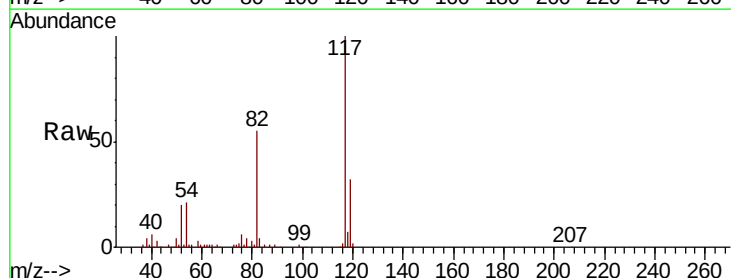
Tgt Ion: 117 Resp: 270607

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

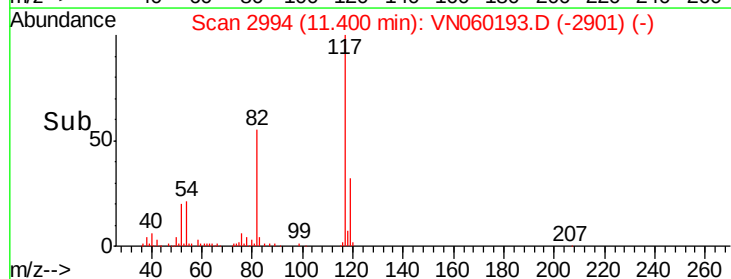
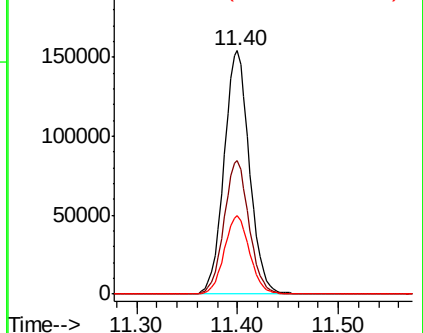
119 32.0 25.8 38.6

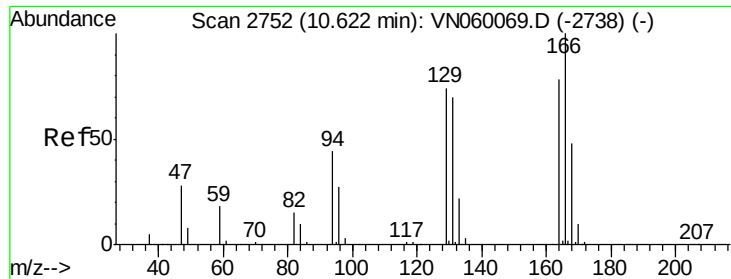


Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060069.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060069.D (-2979) (-)





#64

Tetrachloroethene

Concen: 8.172 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 16810

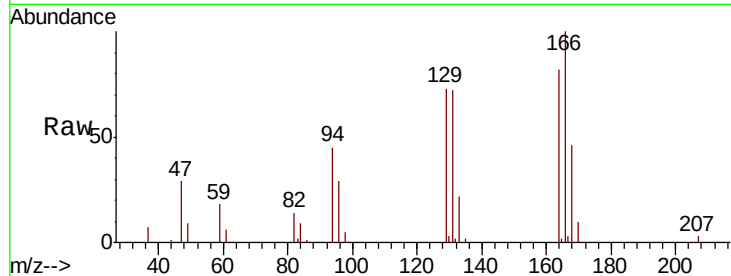
Ion Ratio Lower Upper

164 100

166 121.9 101.9 152.9

129 89.4 75.4 113.0

131 88.1 71.4 107.2

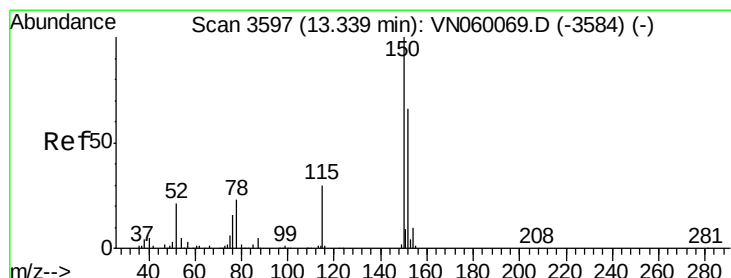
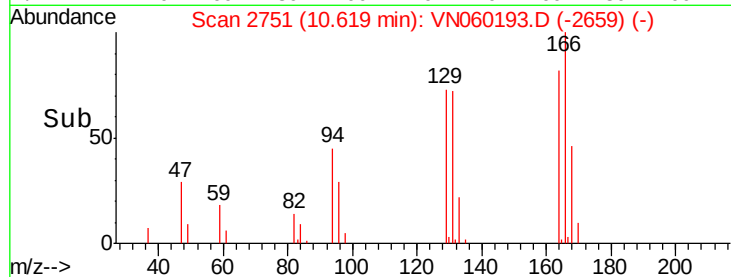
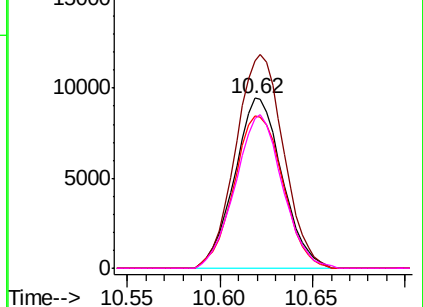


Abundance Ion 163.80 (163.50 to 164.50): V

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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

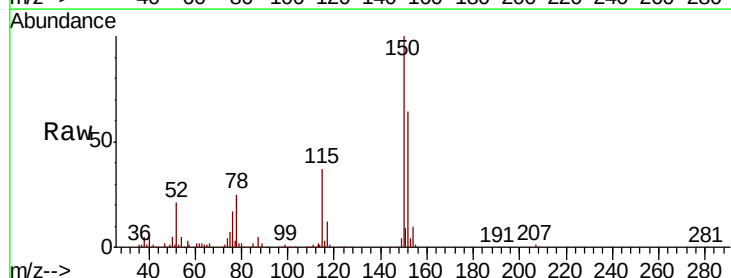
Tgt Ion:152 Resp: 118356

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.8

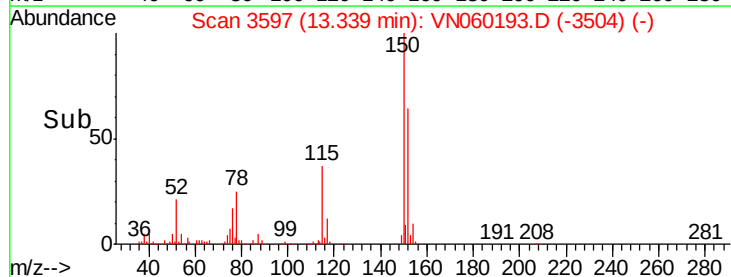
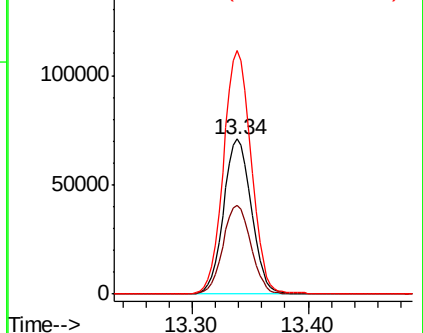
150 156.1 0.0 342.4

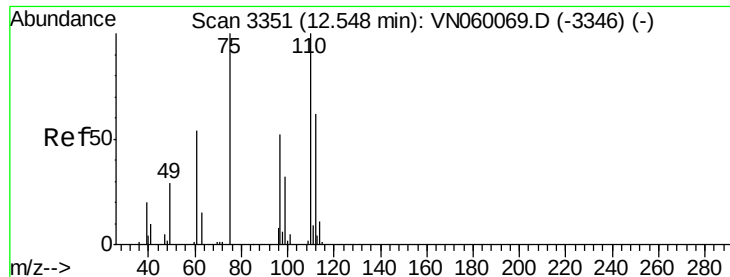


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.475 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

Instrument :

MSVOA_N

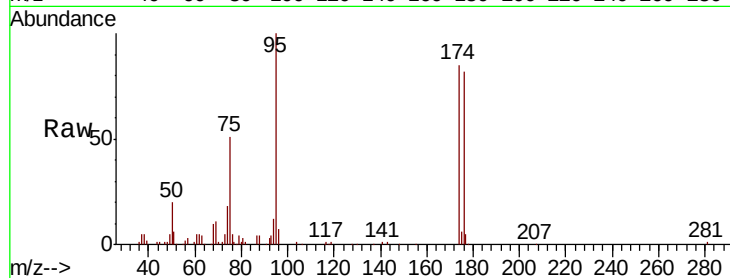
ClientSampleId :

Tot Ion: 75 Resp: 64478

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060193.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060193.D (-3304) (-)

12.40

40000

30000

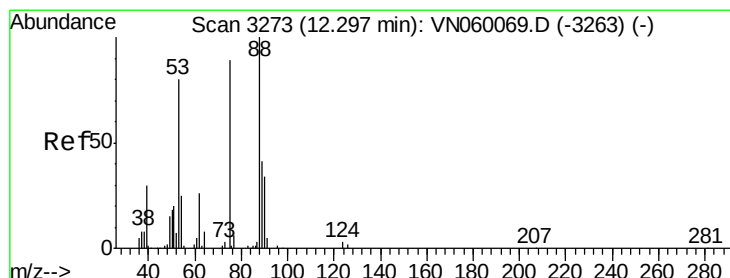
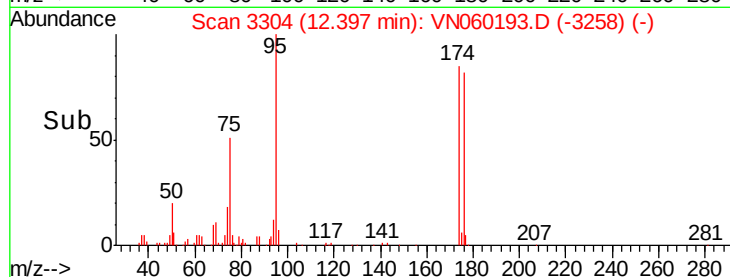
20000

10000

0

12.35 12.40 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 69.720 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

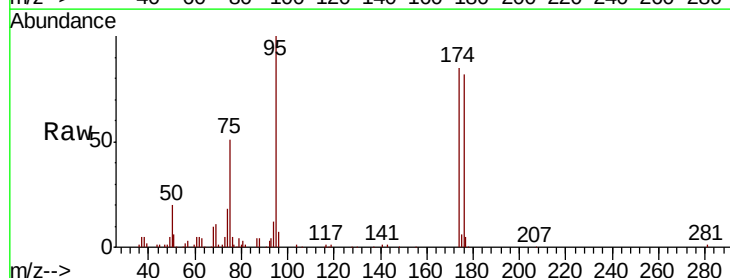
Tgt Ion: 75 Resp: 64478

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060193.D (-3304) (-)

Ion 53.00 (52.70 to 53.70): VN060193.D (-3304) (-)

Ion 88.90 (88.60 to 89.60): VN060193.D (-3304) (-)

12.40

50000

40000

30000

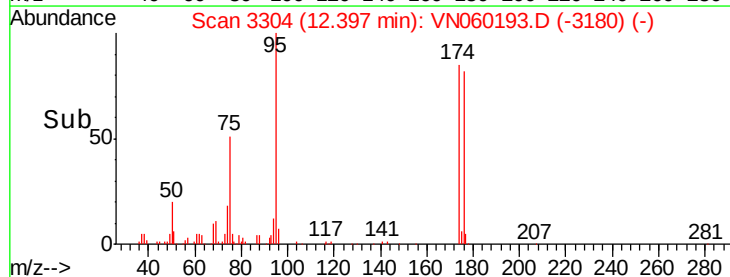
20000

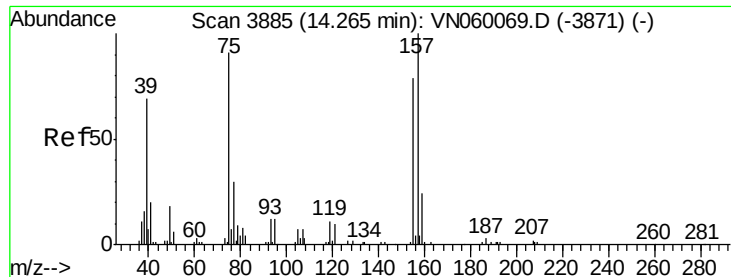
10000

0

12.35 12.40 12.45 12.50

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.40 min Scan# 3928

Delta R.T. 0.14 min

Lab File: VN060193.D

Acq: 21 Feb 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

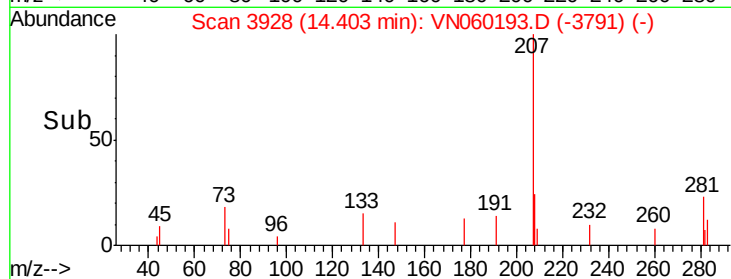
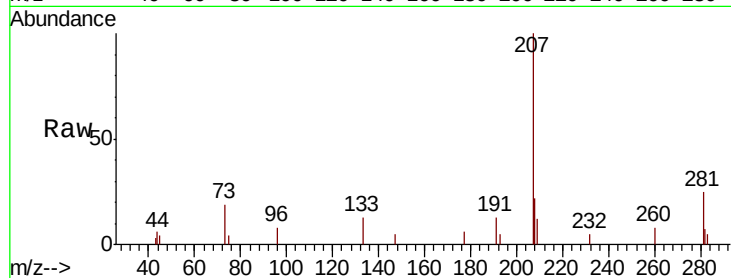
Tot Ion: 75 Resp: 97

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060193.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060193.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060193.D (-3791) (-)

