

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
 Data File : VN060197.D
 Acq On : 24 Feb 2020 10:01
 Operator : JC/MD
 Sample : VN0224MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224MBL01

Quant Time: Feb 24 15:47:25 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	173947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	270416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	245187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	97543	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	101280	47.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.70%	
35) Dibromofluoromethane	7.57	113	83350	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	
50) Toluene-d8	10.08	98	324258	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	107868	44.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.70%	

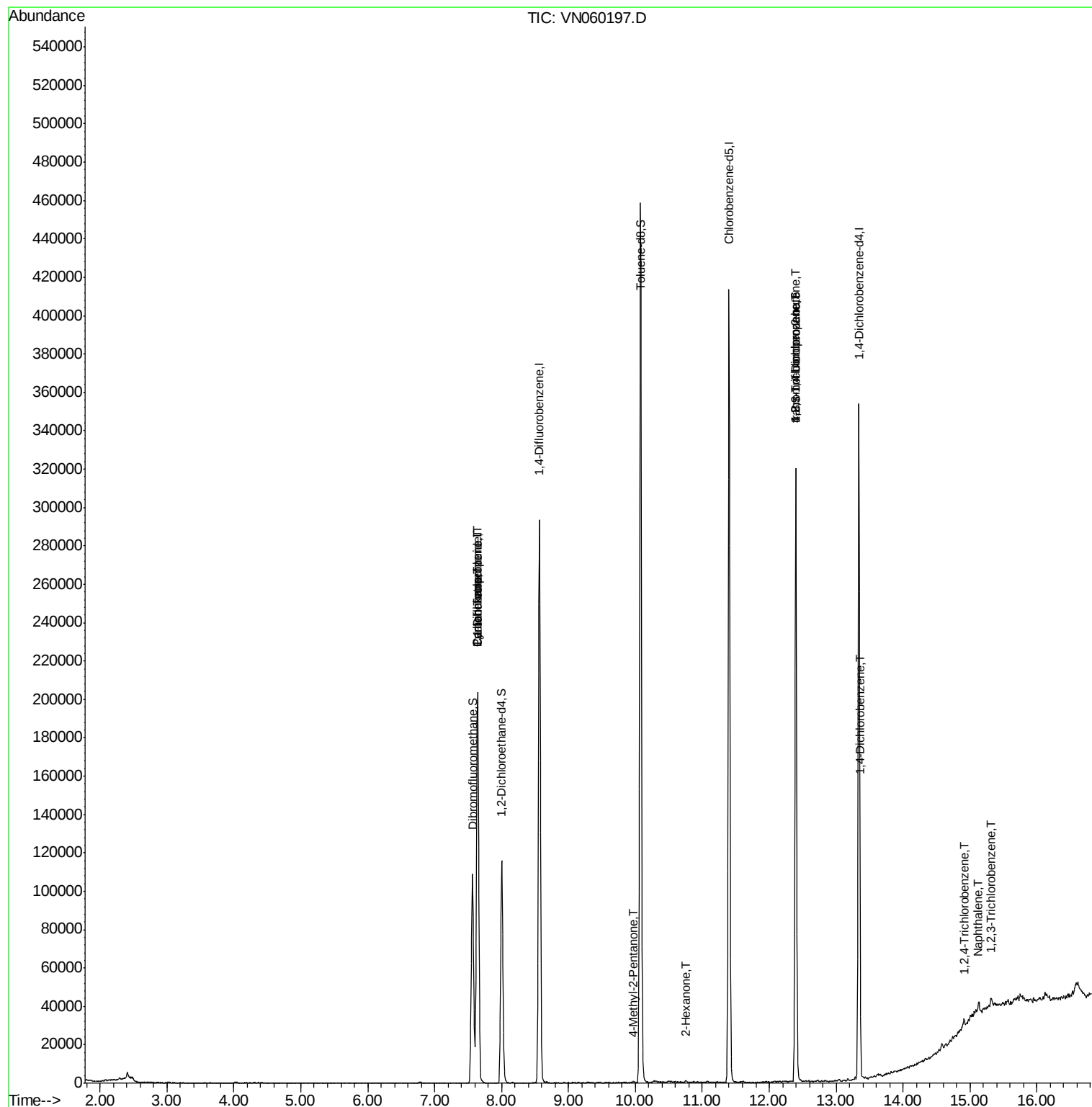
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3670	1.23	ug/l #	37
36) 1,1-Dichloropropene	7.64	75	12548	5.01	ug/l #	49
38) Carbon Tetrachloride	7.64	117	16128	5.93	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	463	0.21	ug/l #	35
59) 2-Hexanone	10.75	43	721	0.42	ug/l	91
76) 1,2,3-Trichloropropane	12.40	75	55822	29.91	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	55822	73.24	ug/l #	12
88) 1,4-Dichlorobenzene	13.36	146	656	0.21	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	14.26	75	132	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1147	0.62	ug/l	99
95) Naphthalene	15.13	128	4740	0.95	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1769	0.97	ug/l	90

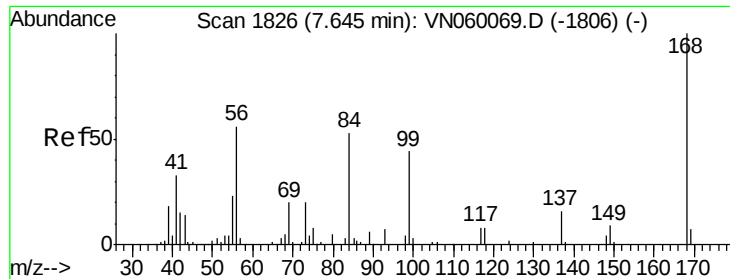
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

Instrument :

MSVOA_N

ClientSampleId :

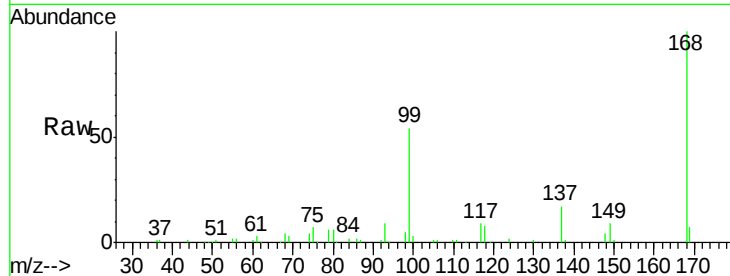
VN0224MBL01

Tgt Ion:168 Resp: 173947

Ion Ratio Lower Upper

168 100

99 53.6 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

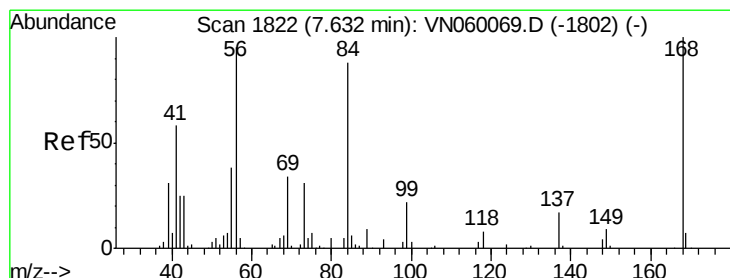
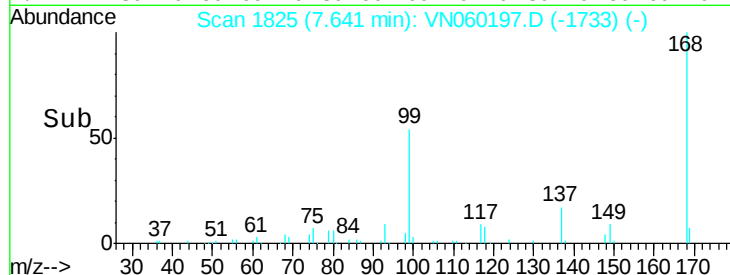
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#31

Cyclohexane

Concen: 1.23 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

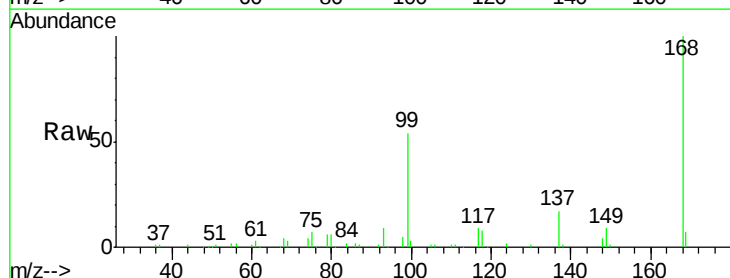
Tgt Ion: 56 Resp: 3670

Ion Ratio Lower Upper

56 100

69 136.3 28.3 42.5#

84 109.3 72.6 108.8#



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

3000

2500

2000

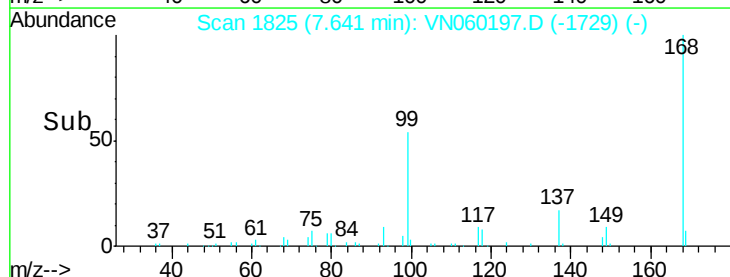
1500

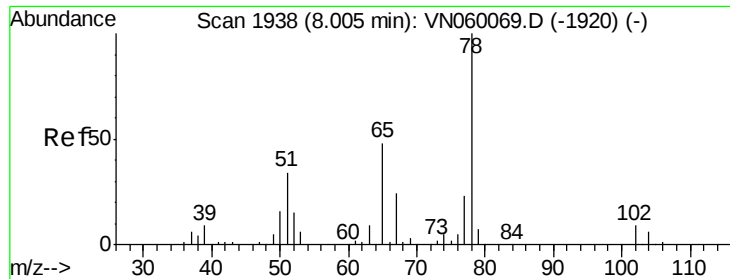
1000

500

0

Time--> 7.60 7.65 7.70

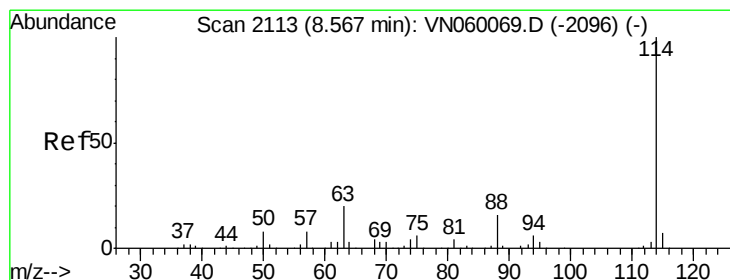
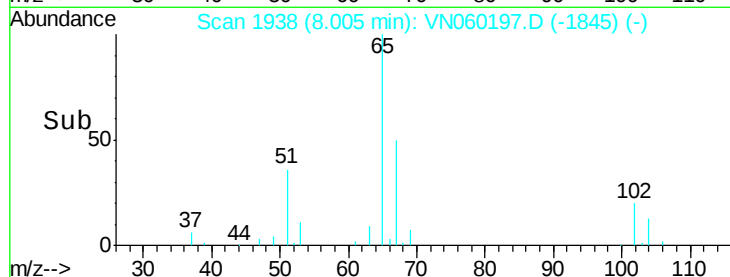
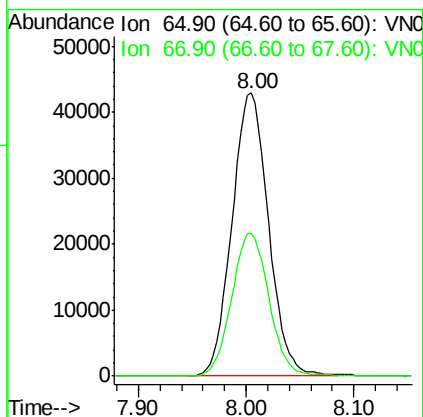
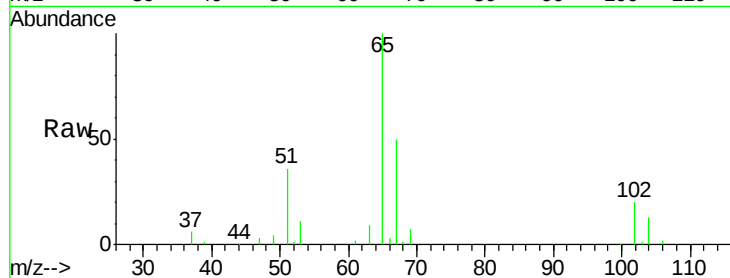




#33
 1,2-Dichloroethane-d4
 Concen: 47.85 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060197.D
 Acq: 24 Feb 2020 10:01

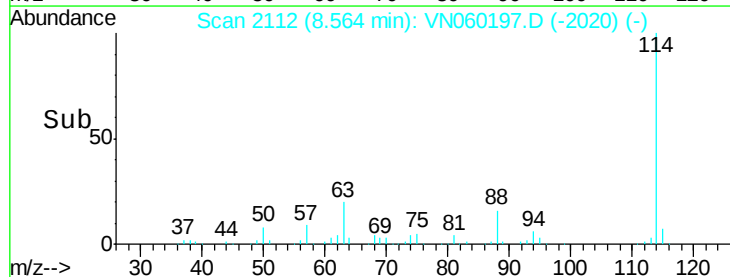
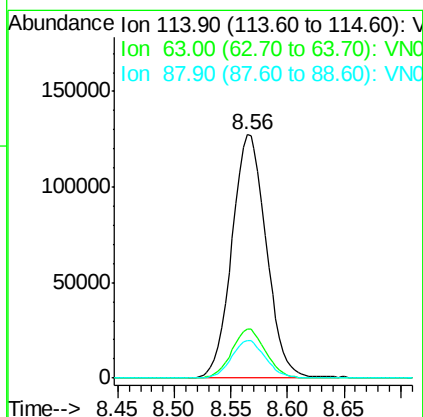
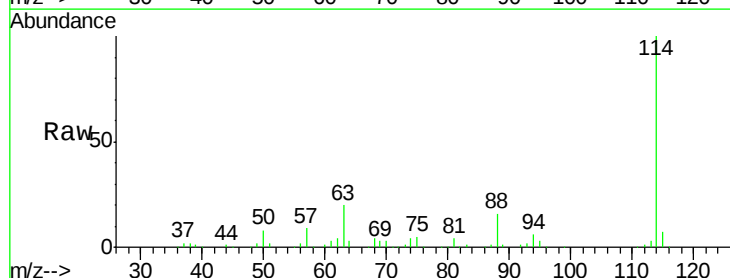
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224MBL01

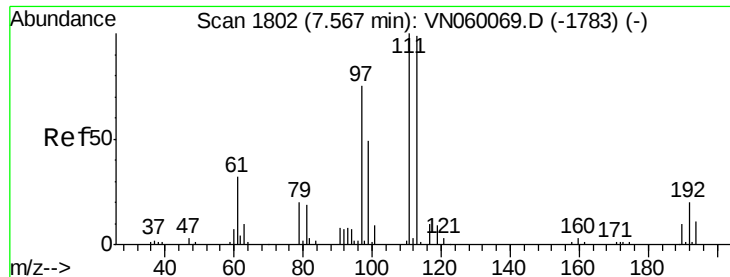
Tgt Ion: 65 Resp: 101280
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060197.D
 Acq: 24 Feb 2020 10:01

Tgt Ion: 114 Resp: 270416
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.14 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

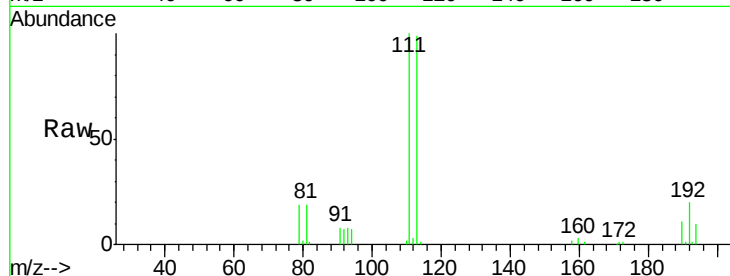
Tgt Ion:113 Resp: 83350

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.2

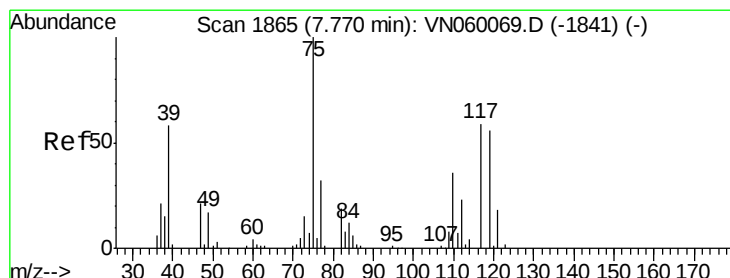
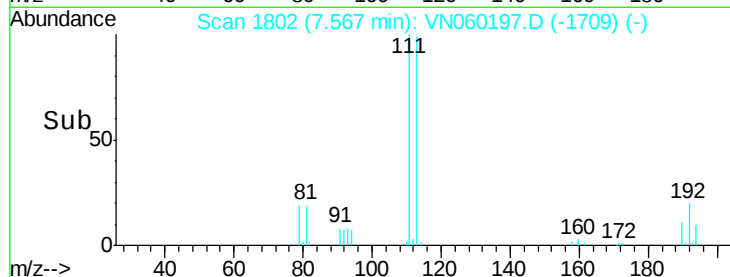
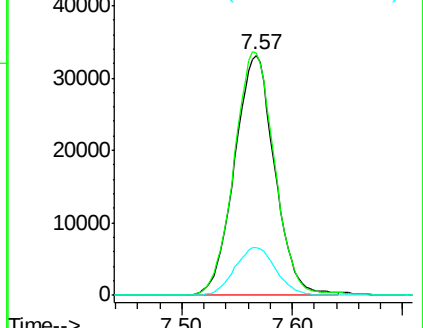
192 20.3 16.2 24.2



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: 5.01 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

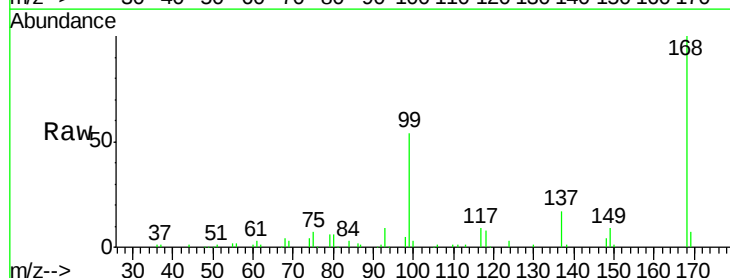
Tgt Ion: 75 Resp: 12548

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.3#

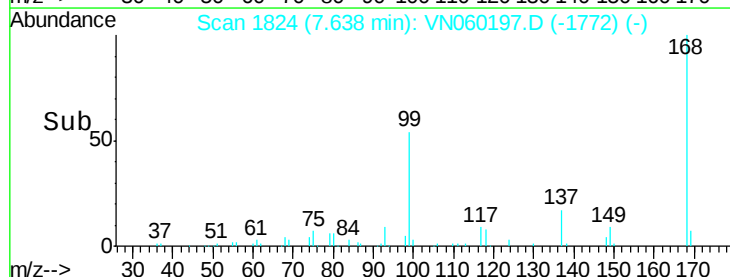
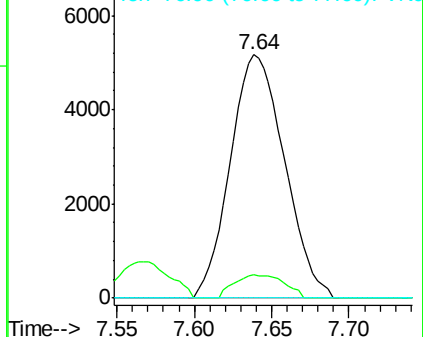
77 0.0 25.1 37.7#

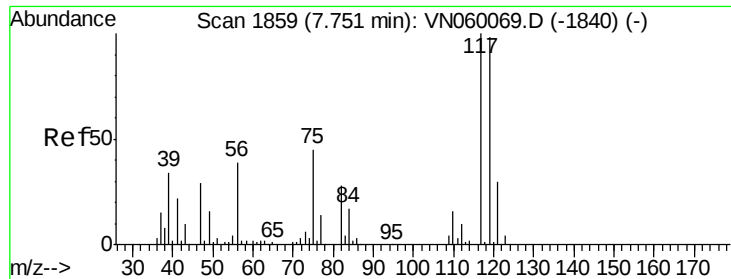


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.93 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

Instrument :

MSVOA_N

ClientSampled :

VN0224MBL01

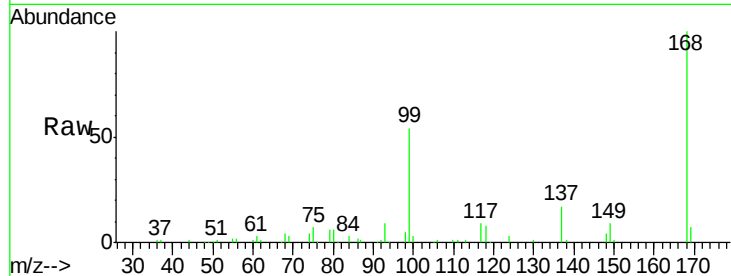
Tgt Ion:117 Resp: 16128

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.4#

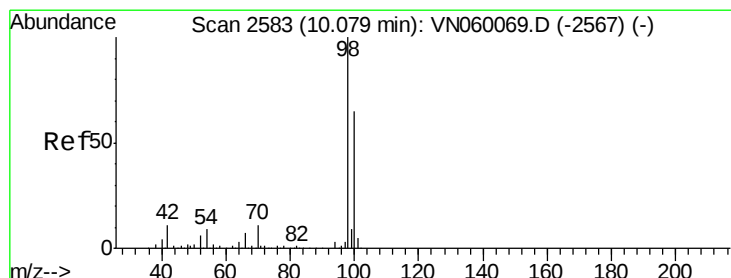
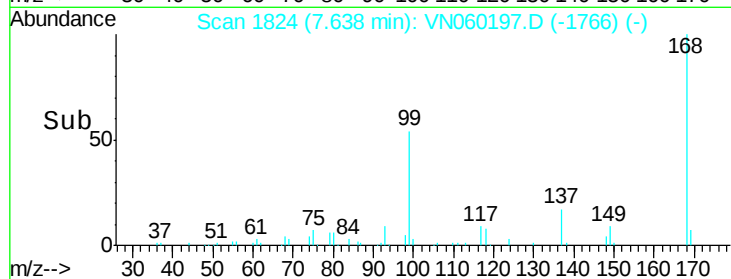
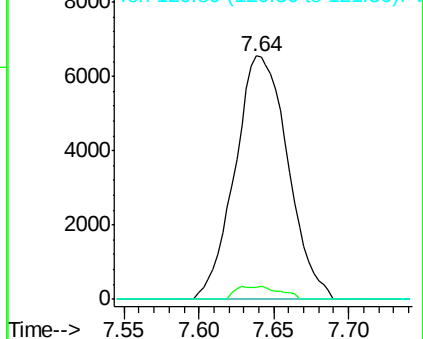
121 0.0 24.2 36.2#



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: 49.54 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060197.D

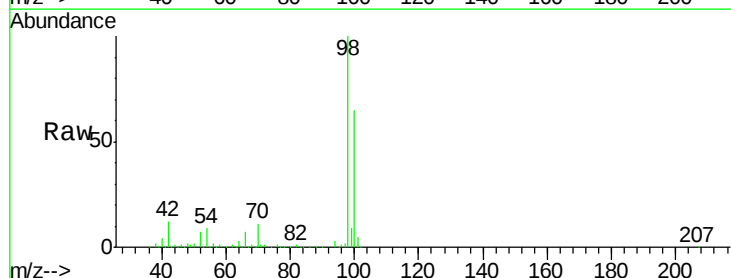
Acq: 24 Feb 2020 10:01

Tgt Ion: 98 Resp: 324258

Ion Ratio Lower Upper

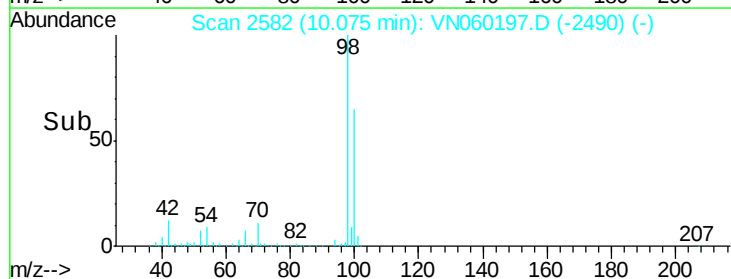
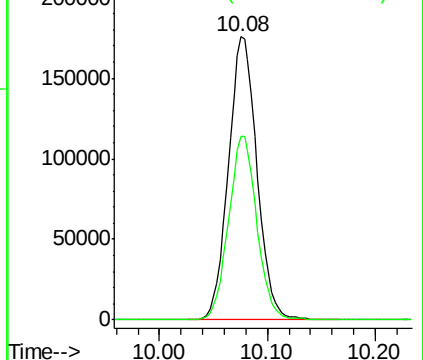
98 100

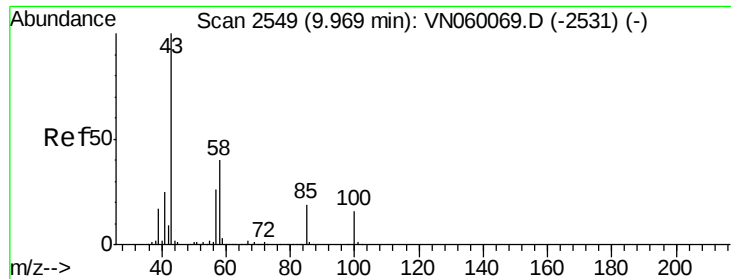
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

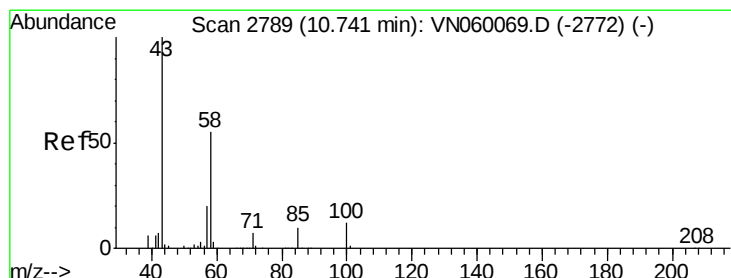
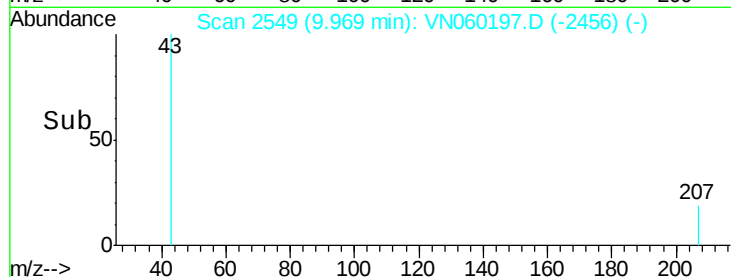
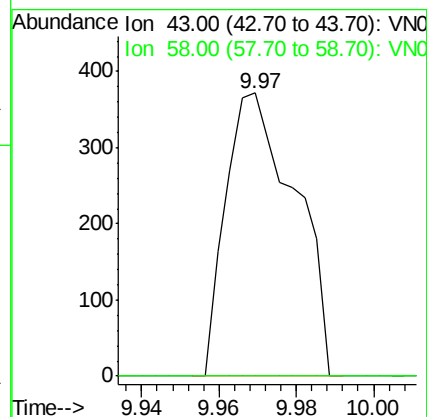
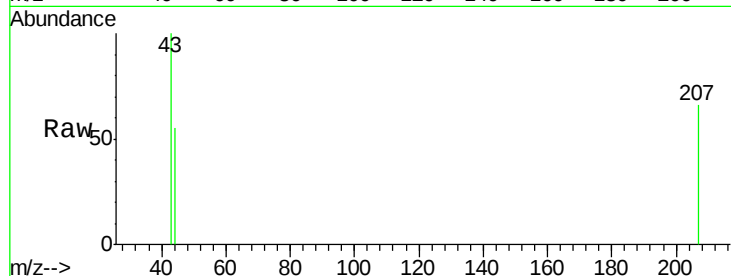




#51
 4-Methyl-2-Pentanone
 Concen: 0.21 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060197.D
 Acq: 24 Feb 2020 10:01

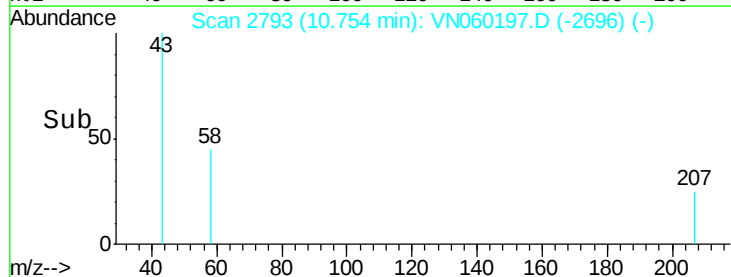
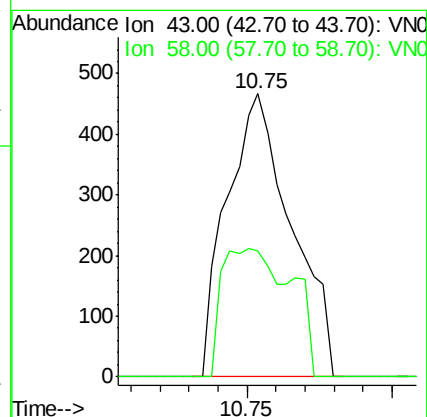
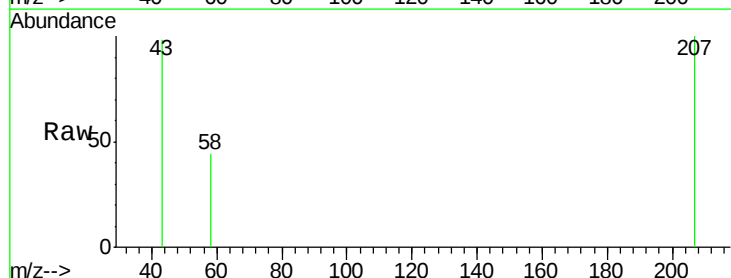
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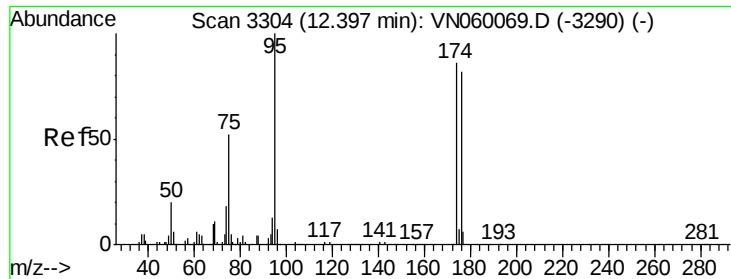
Tgt Ion: 43 Resp: 463
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.8 47.8#



#59
 2-Hexanone
 Concen: 0.42 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060197.D
 Acq: 24 Feb 2020 10:01

Tgt Ion: 43 Resp: 721
 Ion Ratio Lower Upper
 43 100
 58 48.7 27.5 82.4

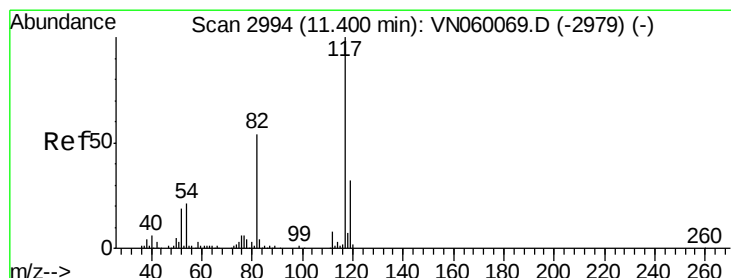
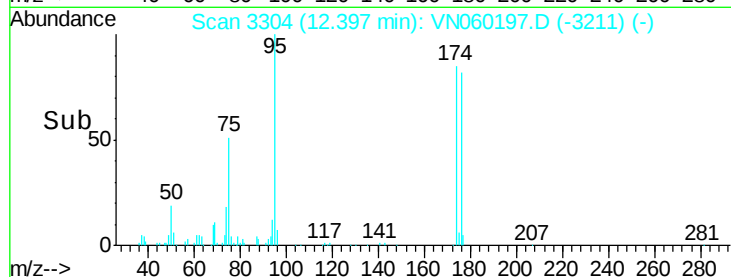
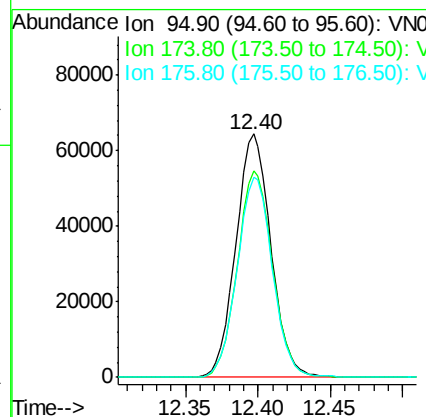
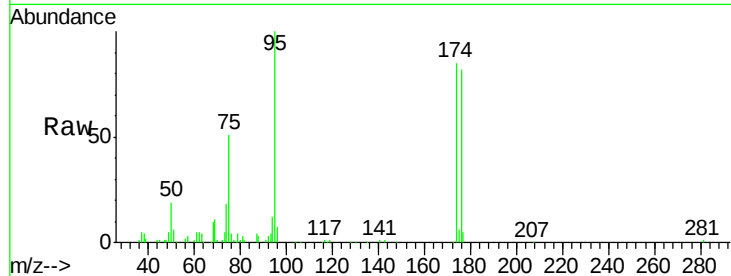




#62
4-Bromofluorobenzene
Concen: 44.85 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060197.D
Acq: 24 Feb 2020 10:01

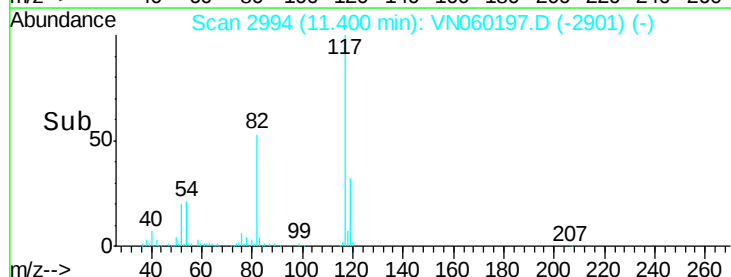
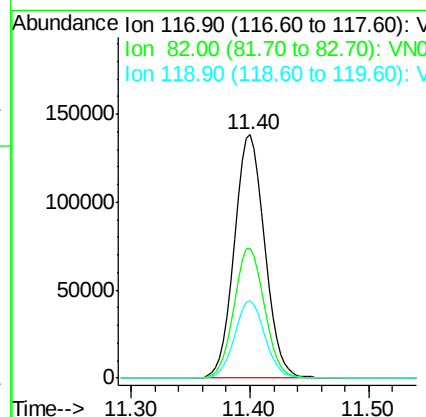
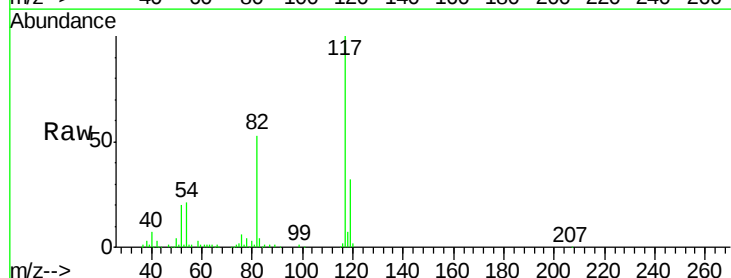
Instrument :
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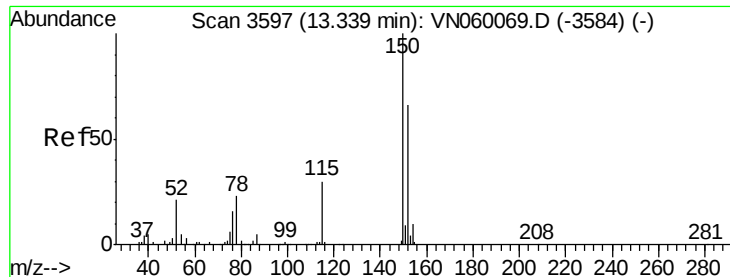
Tgt Ion: 95 Resp: 107868
Ion Ratio Lower Upper
95 100
174 85.5 0.0 169.8
176 83.1 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060197.D
Acq: 24 Feb 2020 10:01

Tgt Ion: 117 Resp: 245187
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

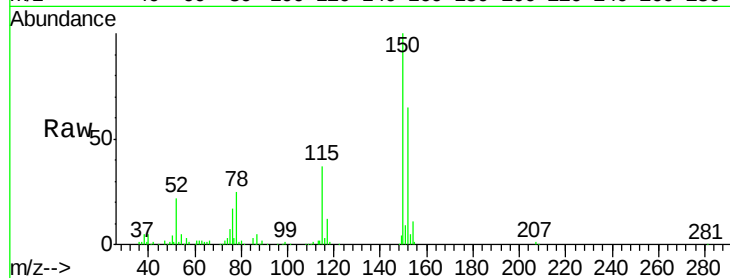
Tgt Ion:152 Resp: 97543

Ion Ratio Lower Upper

152 100

115 56.4 28.9 86.8

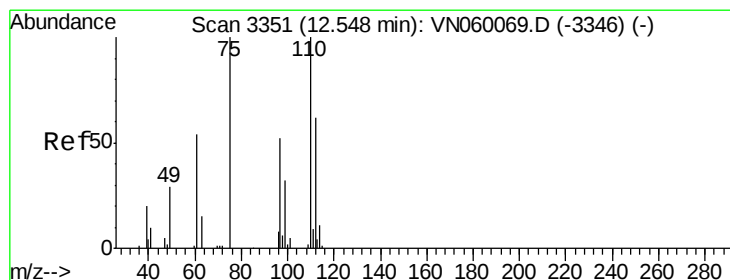
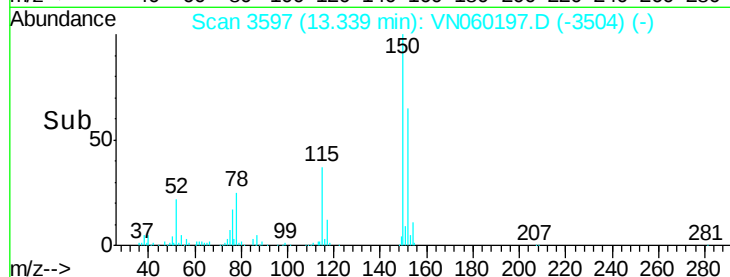
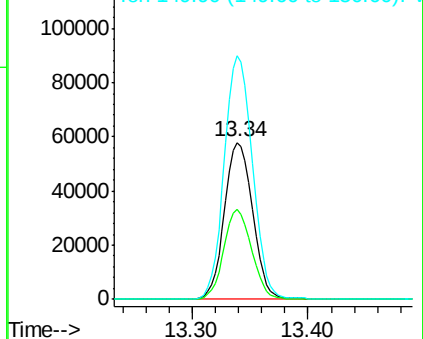
150 155.2 0.0 342.4



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: 29.91 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060197.D

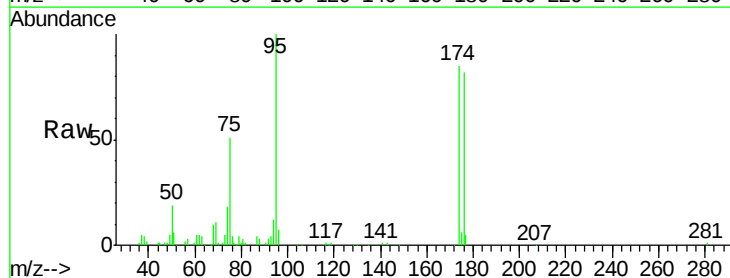
Acq: 24 Feb 2020 10:01

Tgt Ion: 75 Resp: 55822

Ion Ratio Lower Upper

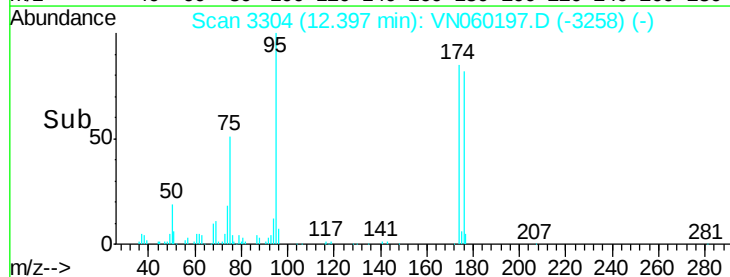
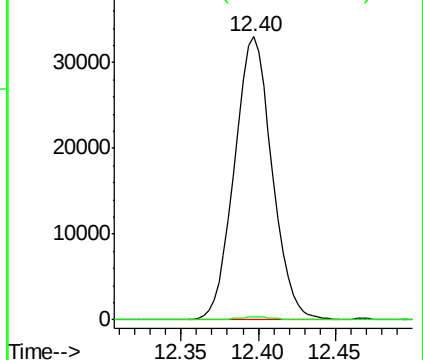
75 100

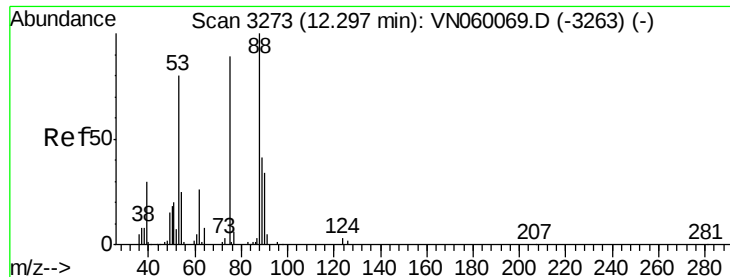
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.24 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

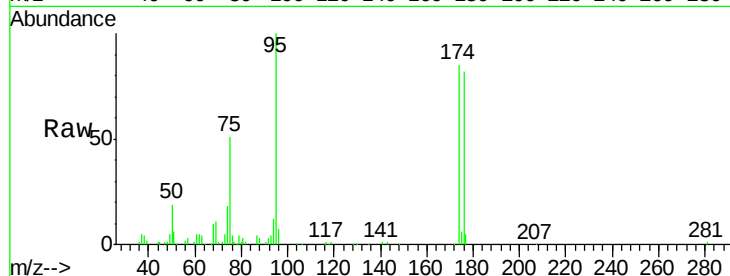
Tgt Ion: 75 Resp: 55822

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

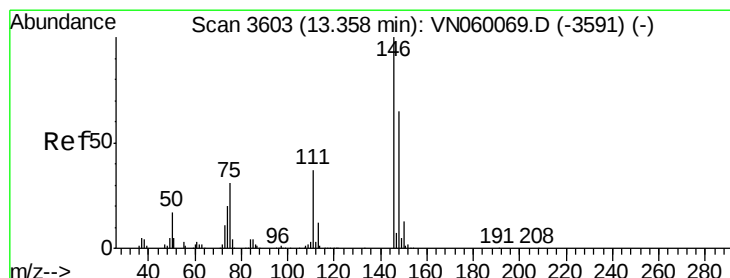
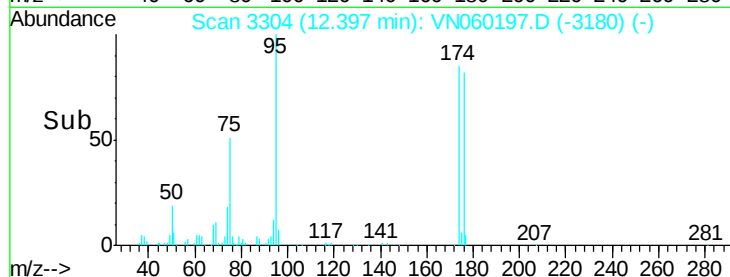
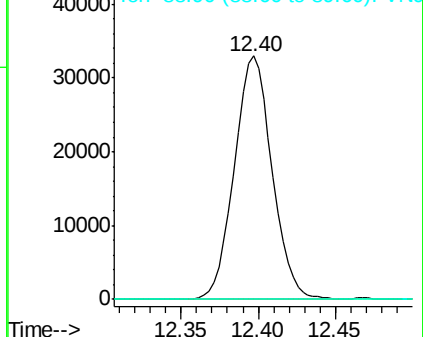
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060197.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060197.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060197.D (-3180) (-)



#88

1,4-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.01 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

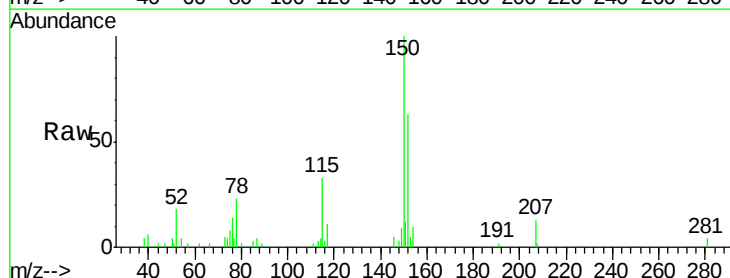
Tgt Ion: 146 Resp: 656

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.5#

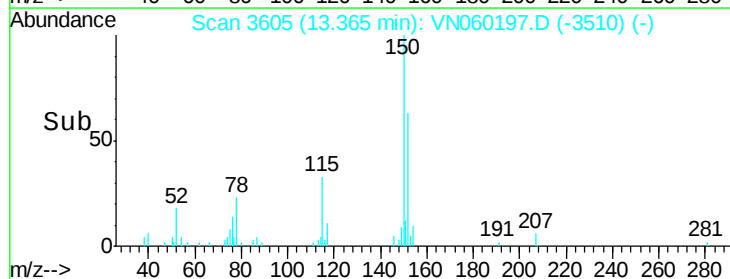
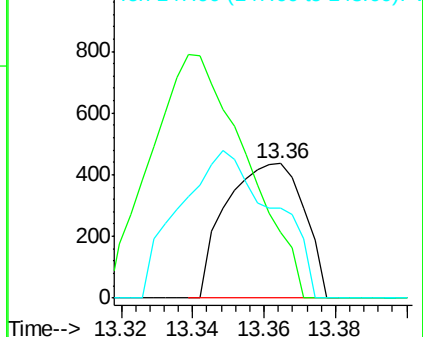
148 0.0 32.0 96.0#

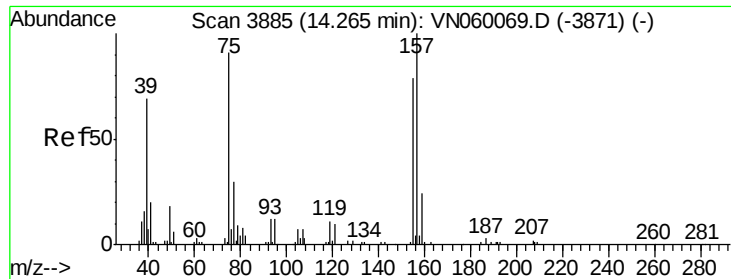


Abundance Ion 145.90 (145.60 to 146.60): VN060197.D (-3510) (-)

Ion 110.90 (110.60 to 111.60): VN060197.D (-3510) (-)

Ion 147.90 (147.60 to 148.60): VN060197.D (-3510) (-)

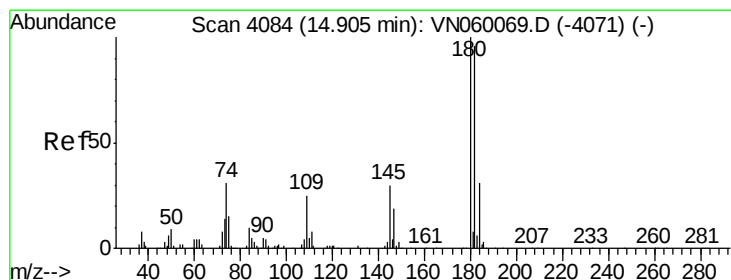
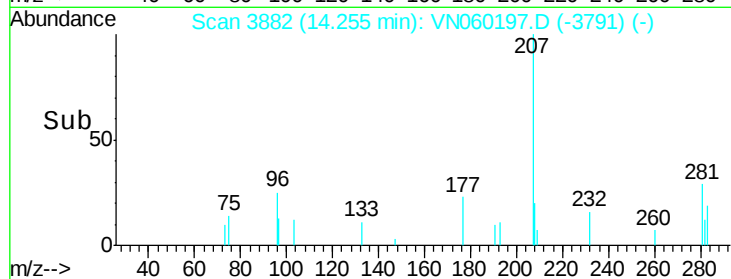
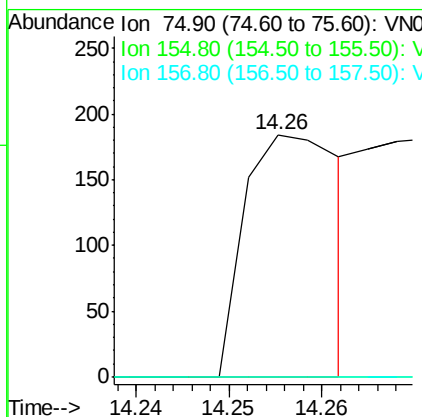
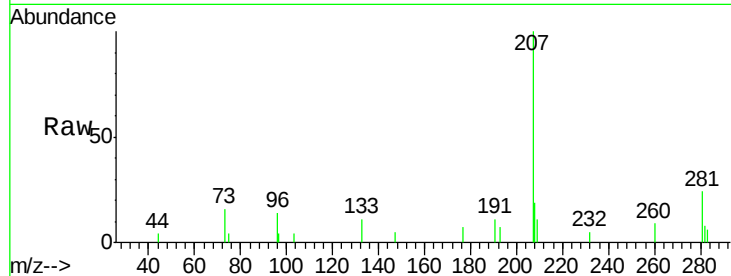




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: VN060197.D
 Acq: 24 Feb 2020 10:01

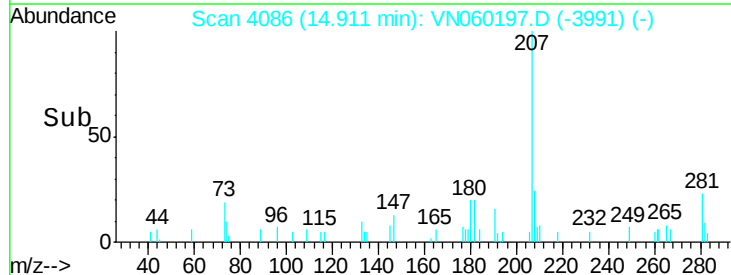
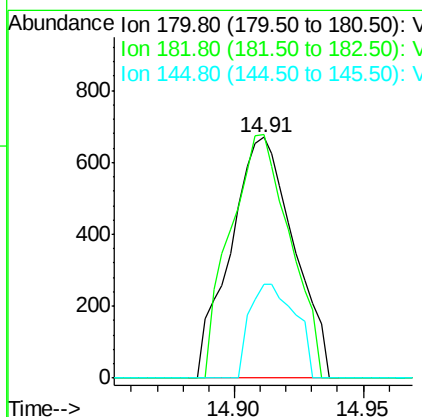
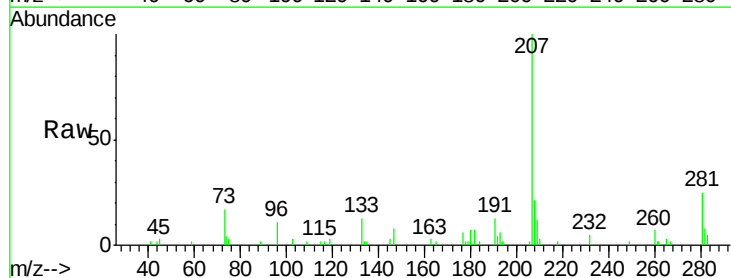
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224MBL01

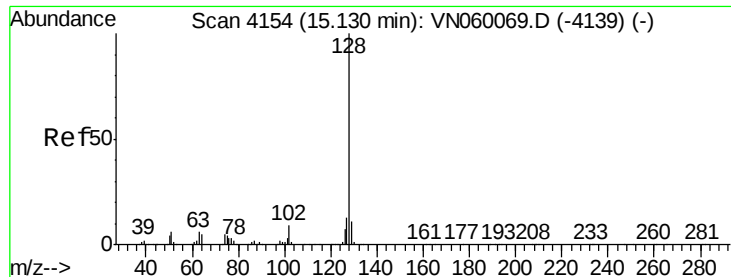
Tgt Ion: 75 Resp: 132
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.62 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060197.D
 Acq: 24 Feb 2020 10:01

Tgt Ion: 180 Resp: 1147
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.8
 145 28.1 15.2 45.5





#95

Naphthalene

Concen: 0.95 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

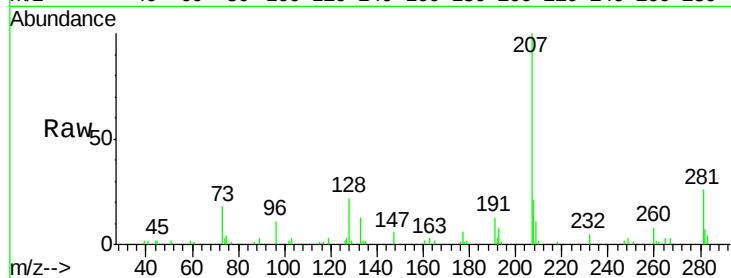
Tgt Ion:128 Resp: 4740

Ion Ratio Lower Upper

128 100

127 8.7 10.3 15.5#

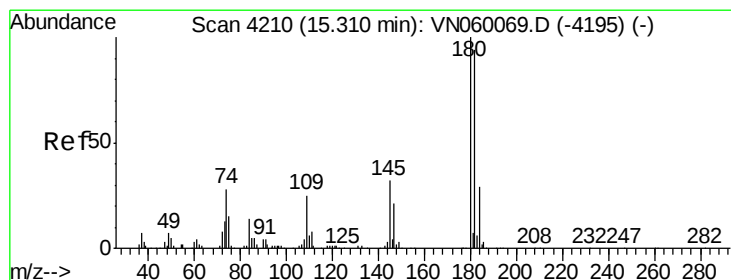
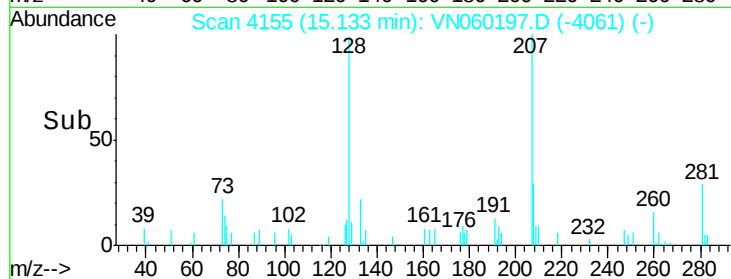
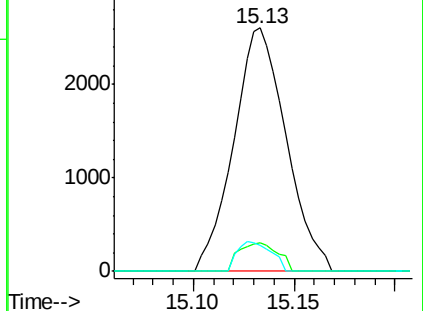
129 8.0 8.6 13.0#



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: 0.97 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060197.D

Acq: 24 Feb 2020 10:01

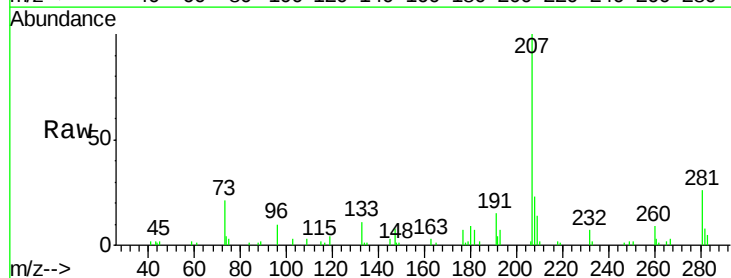
Tgt Ion:180 Resp: 1769

Ion Ratio Lower Upper

180 100

182 82.1 47.5 142.5

145 31.9 16.1 48.3



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

