

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060100.D
 Acq On : 14 Feb 2020 10:33
 Operator : JC/MD
 Sample : VN0214WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 02:42:03 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	184340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	294778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	263560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109170	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	111540	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	7.57	113	89762	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.08	98	351747	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	119354	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

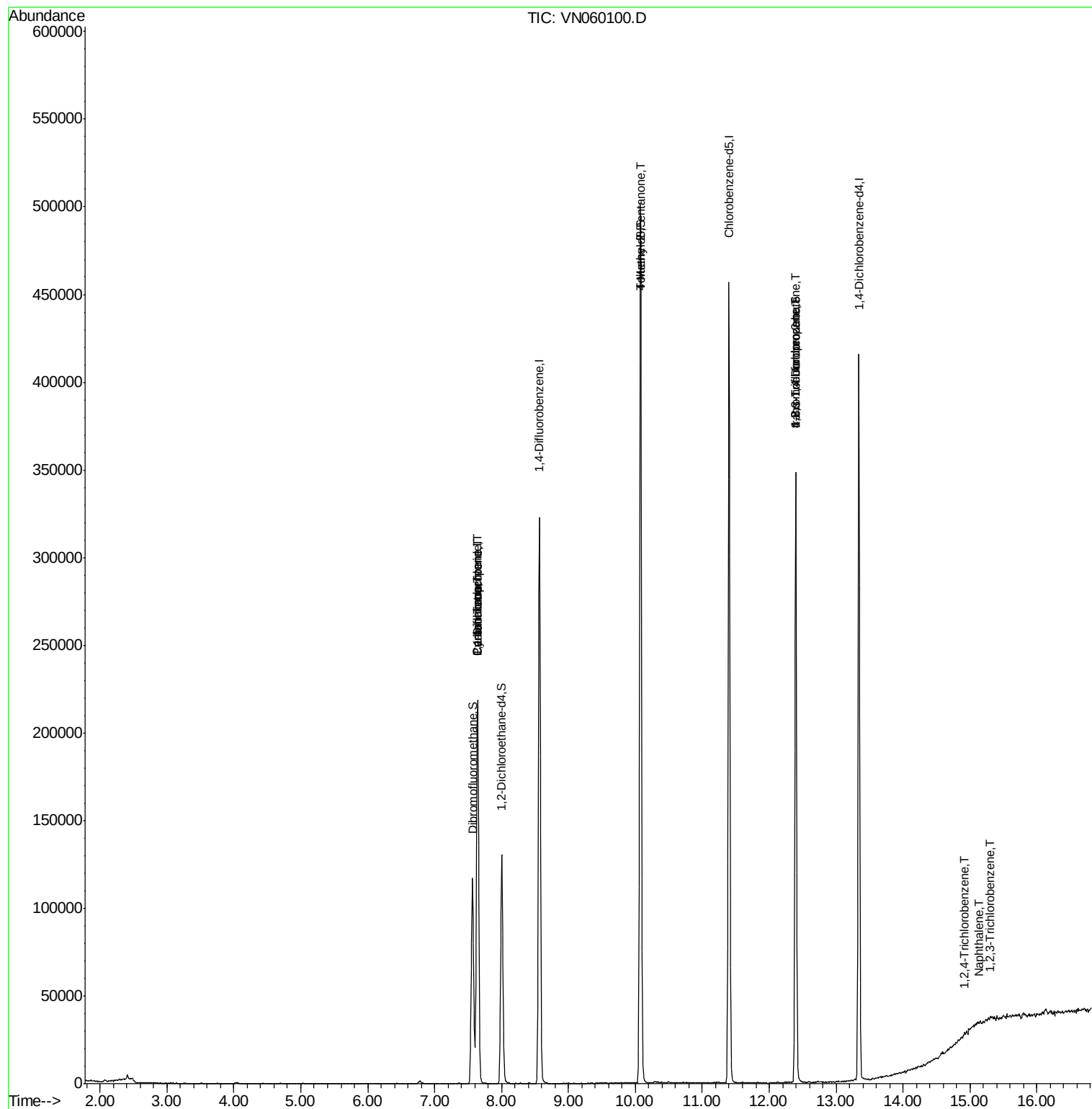
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3932	1.239	ug/l #	14
36) 1,1-Dichloropropene	7.64	75	13768	5.043	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17421	5.875	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1669	0.684	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	61598	29.492	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61598	72.210	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	531	0.258	ug/l #	58
95) Naphthalene	15.13	128	1963	0.353	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.31	180	778	0.379	ug/l	70

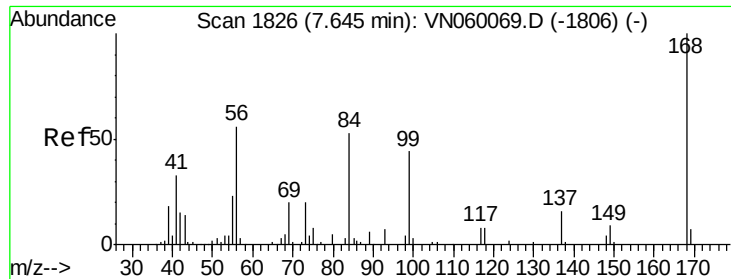
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021420\
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MSVOA_N
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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: VN060100.D

Acq: 14 Feb 2020 10:33

Instrument :

MSVOA_N

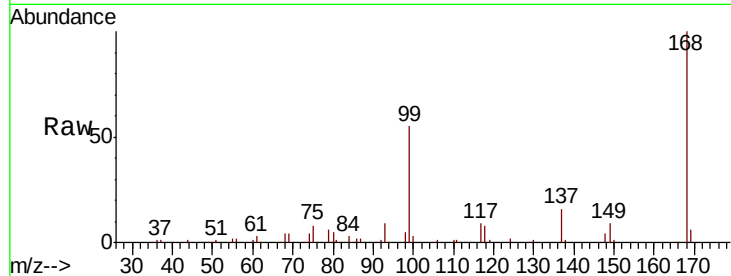
ClientSampleId :

Tot Ion:168 Resp: 184340

Ion Ratio Lower Upper

168 100

99 54.6 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

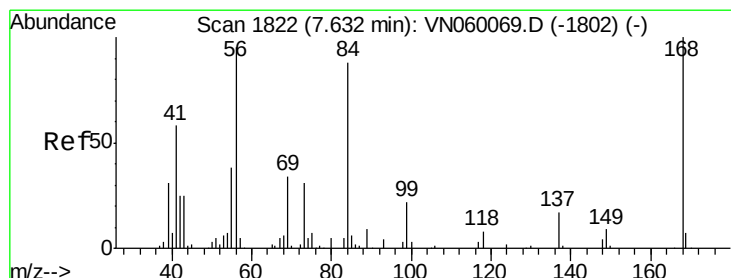
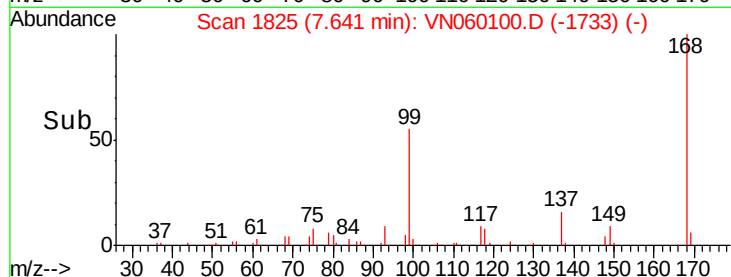
40000

20000

0

7.60 7.70

Time-->



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

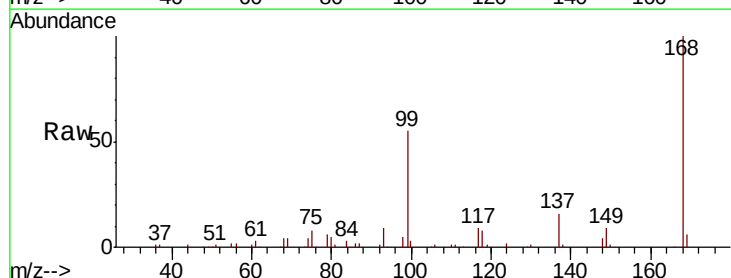
Tgt Ion: 56 Resp: 3932

Ion Ratio Lower Upper

56 100

69 166.5 28.3 42.5#

84 121.1 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

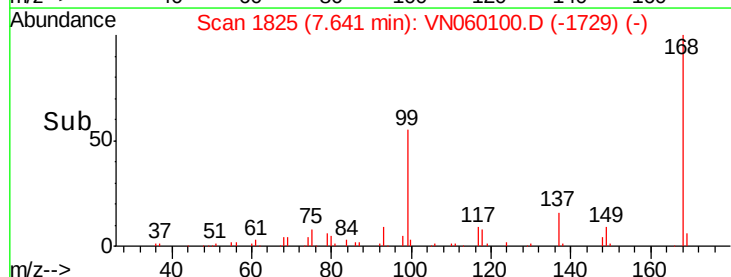
2000

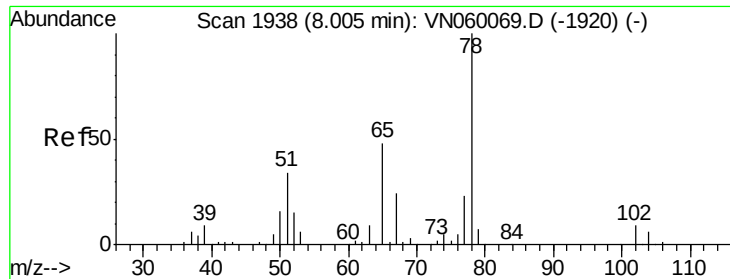
1000

0

7.60 7.65 7.70

Time-->

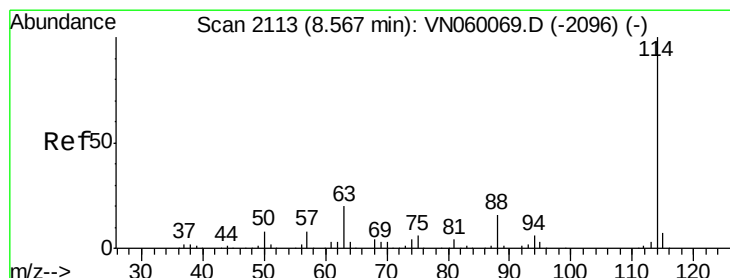
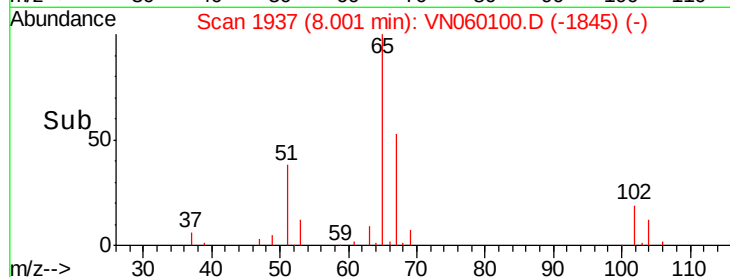
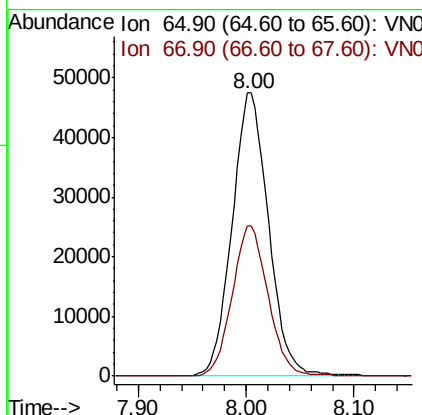
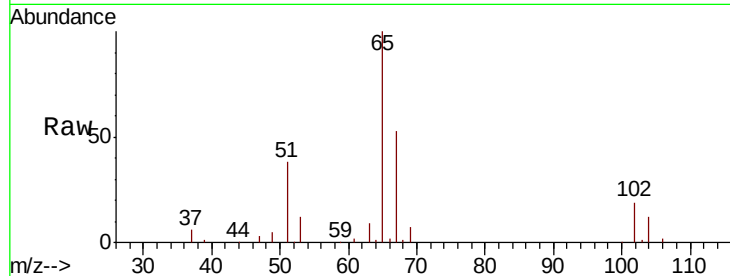




#33
 1,2-Dichloroethane-d4
 Concen: 49.726 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060100.D
 Acq: 14 Feb 2020 10:33

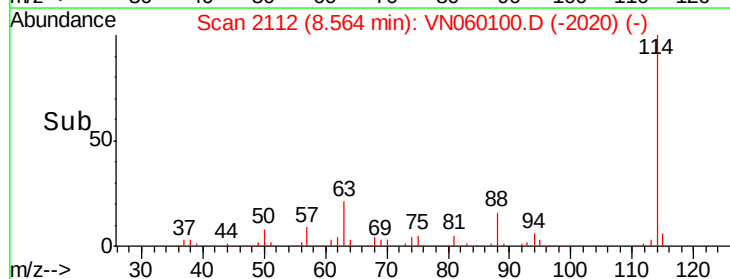
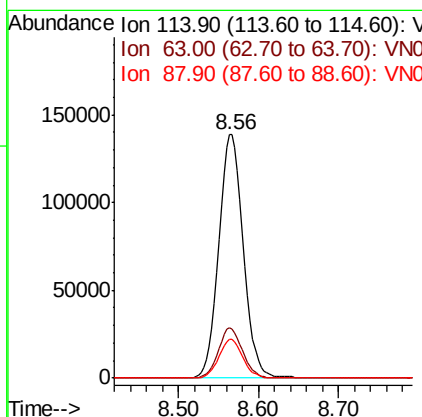
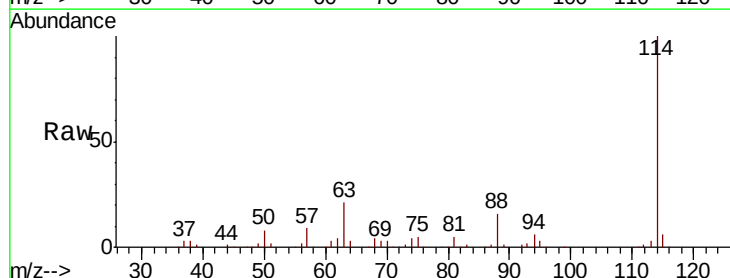
Instrument :
 MSVOA_N
 ClientSampled :

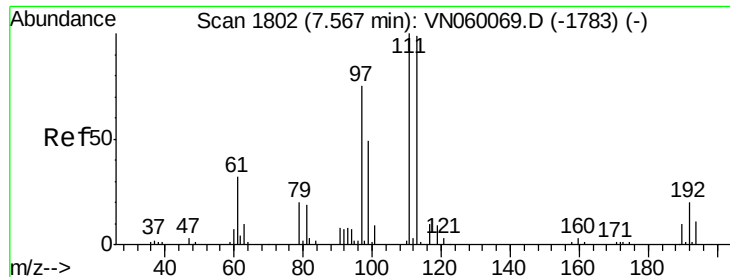
Tot Ion: 65 Resp: 111540
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060100.D
 Acq: 14 Feb 2020 10:33

Tgt Ion: 114 Resp: 294778
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.0
 88 15.8 0.0 31.6

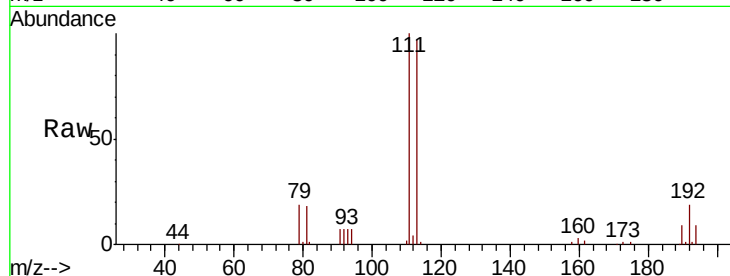




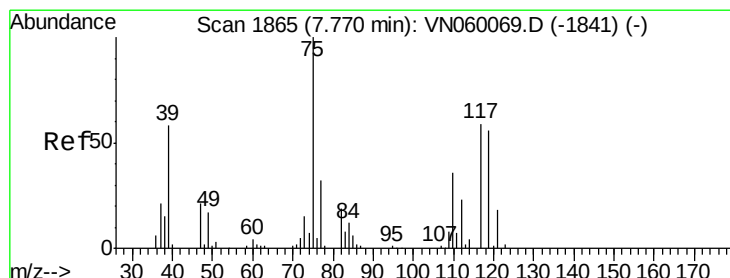
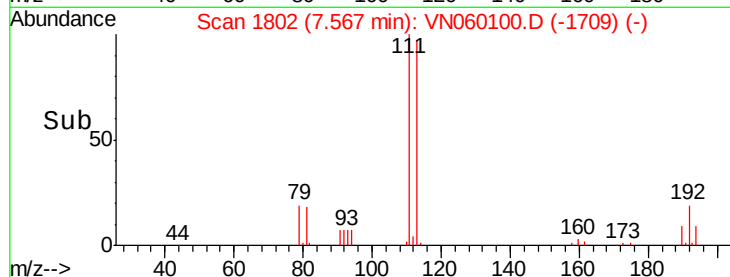
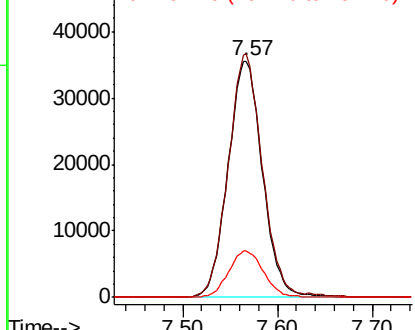
#35
 Dibromofluoromethane
 Concen: 49.537 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060100.D
 Acq: 14 Feb 2020 10:33

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 89762
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 19.8 16.2 24.2

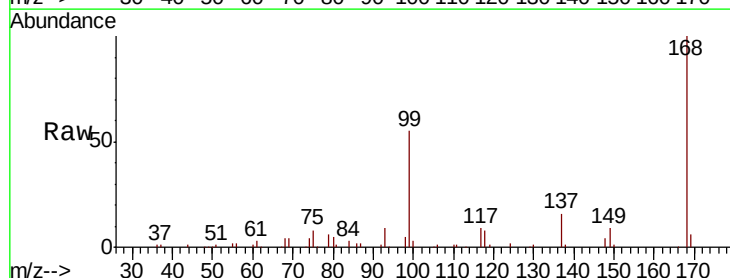


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

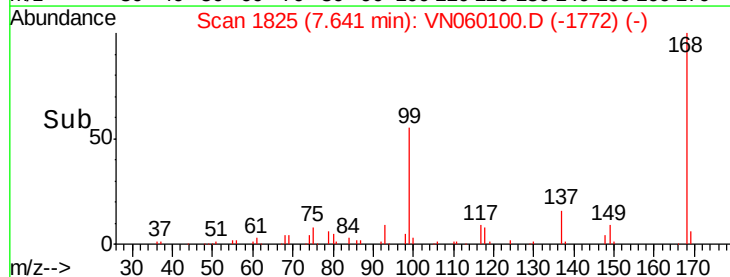
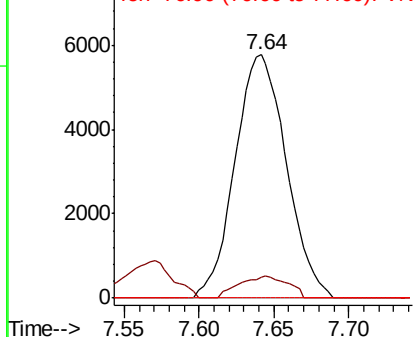


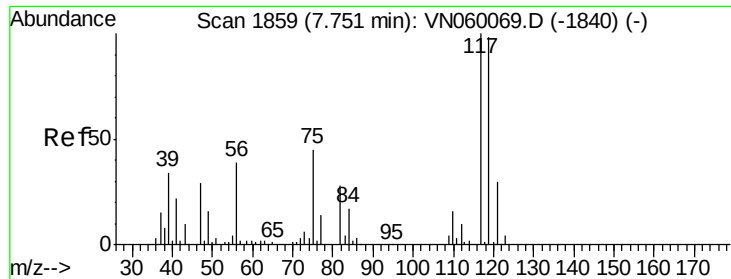
#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060100.D
 Acq: 14 Feb 2020 10:33

Tgt Ion: 75 Resp: 13768
 Ion Ratio Lower Upper
 75 100
 110 8.6 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: 5.875 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

Instrument :

MSVOA_N

ClientSampleId :

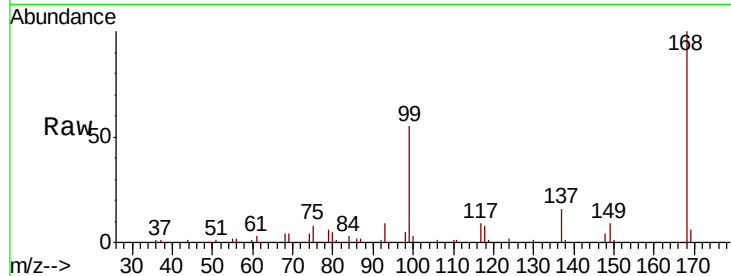
Tot Ion:117 Resp: 17421

Ion Ratio Lower Upper

117 100

119 5.8 78.2 117.4#

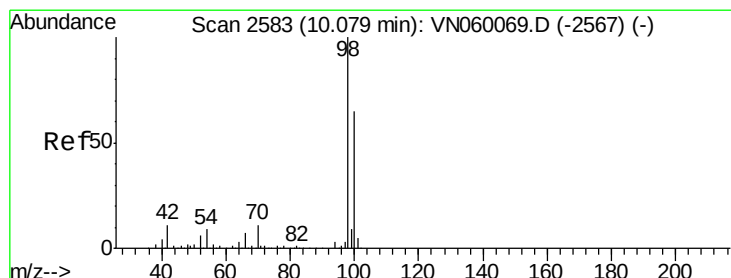
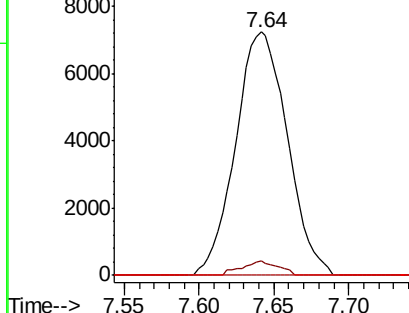
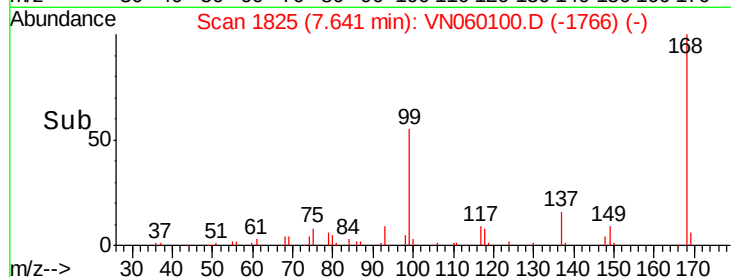
121 0.0 24.2 36.2#



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: 49.295 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060100.D

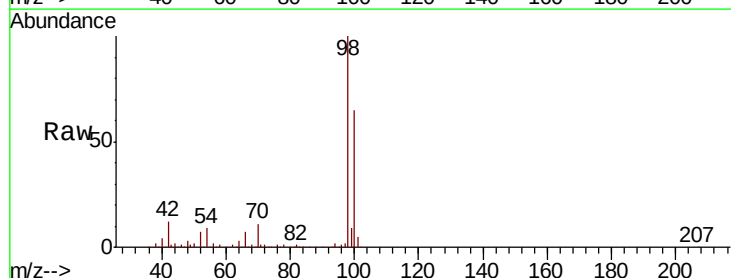
Acq: 14 Feb 2020 10:33

Tgt Ion: 98 Resp: 351747

Ion Ratio Lower Upper

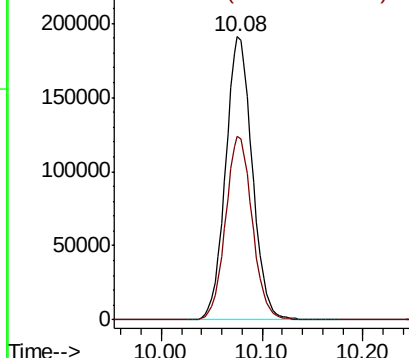
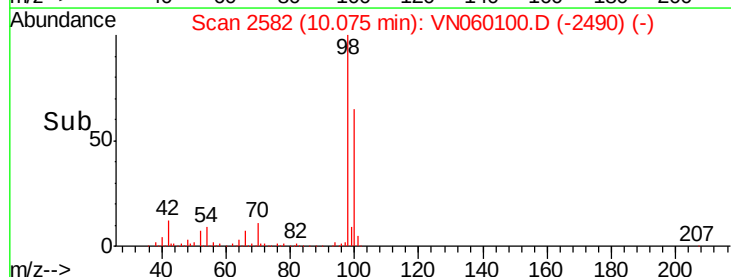
98 100

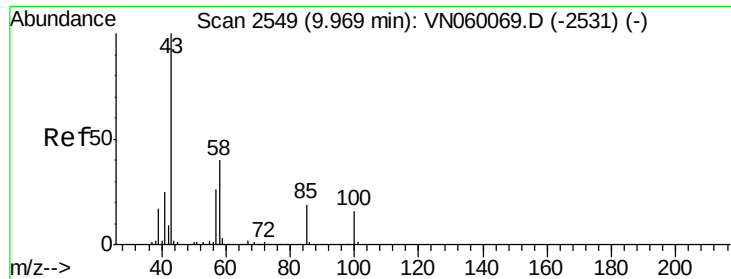
100 65.0 51.7 77.5



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: 0.684 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

Instrument :

MSVOA_N

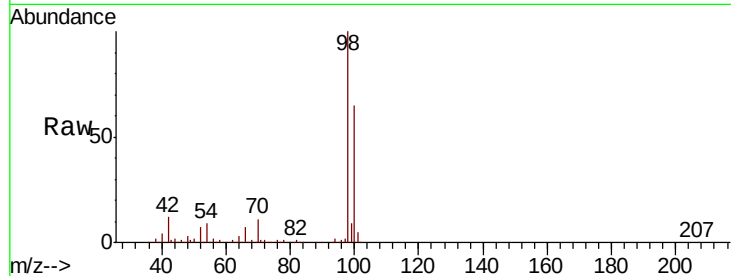
ClientSampleId :

Tot Ion: 43 Resp: 1669

Ion Ratio Lower Upper

43 100

58 168.7 31.8 47.8#



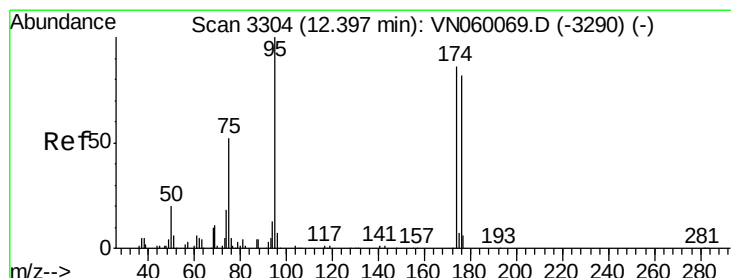
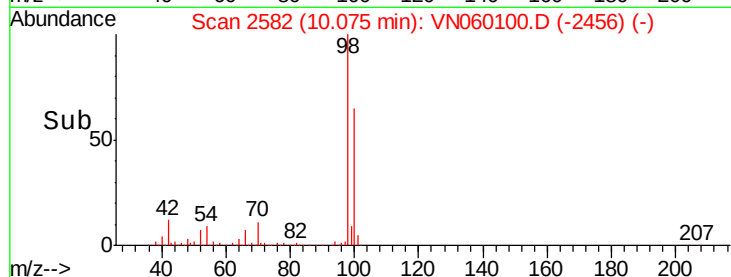
Abundance Ion 43.00 (42.70 to 43.70): VN060100.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060100.D (-2531) (-)

10.08

10.05 10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 45.520 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

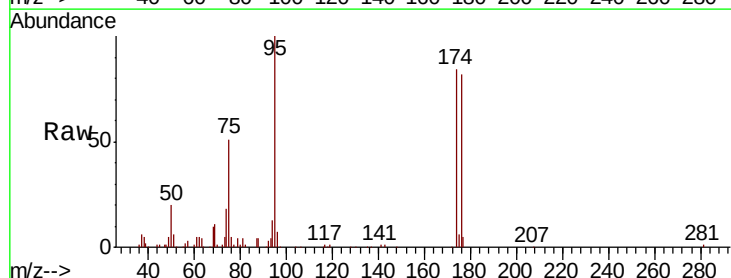
Tgt Ion: 95 Resp: 119354

Ion Ratio Lower Upper

95 100

174 82.9 0.0 169.8

176 81.2 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060100.D (-3290) (-)

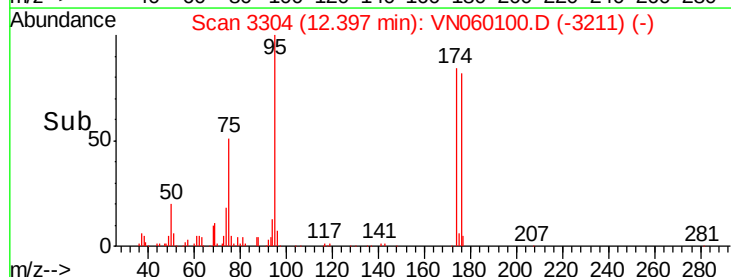
Ion 173.80 (173.50 to 174.50): VN060100.D (-3290) (-)

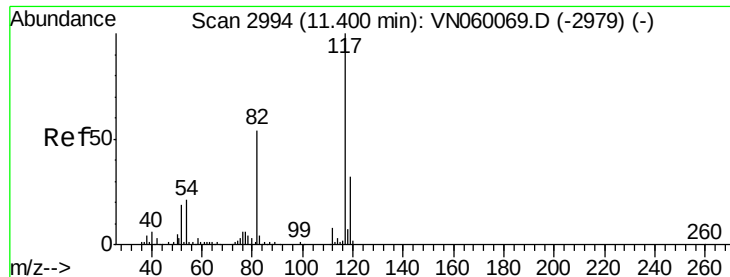
Ion 175.80 (175.50 to 176.50): VN060100.D (-3290) (-)

12.40

12.30 12.50

Time-->

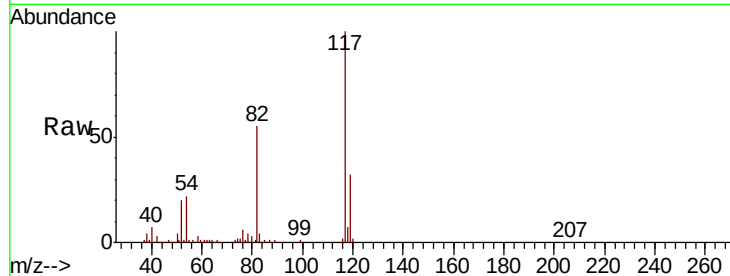




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060100.D
Acq: 14 Feb 2020 10:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.4	65.0
119	32.4	25.8	38.6

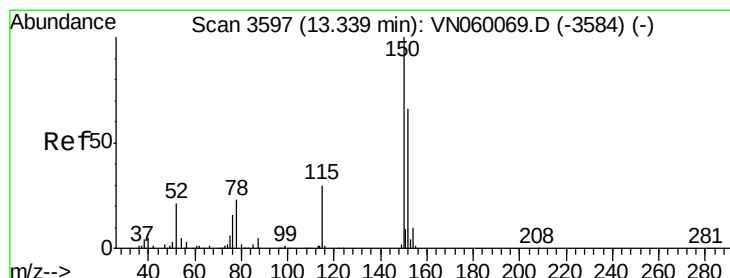
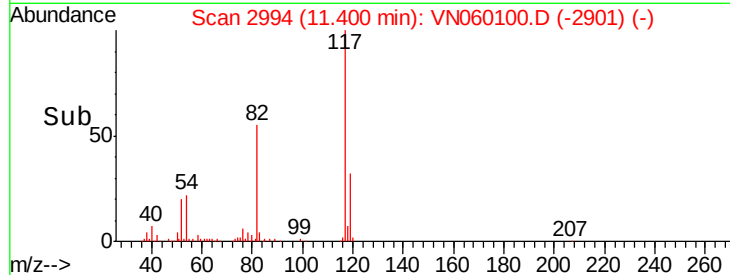
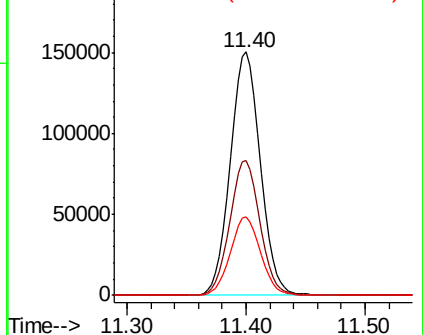


Abundance

Ion 116.90 (116.60 to 117.60): V

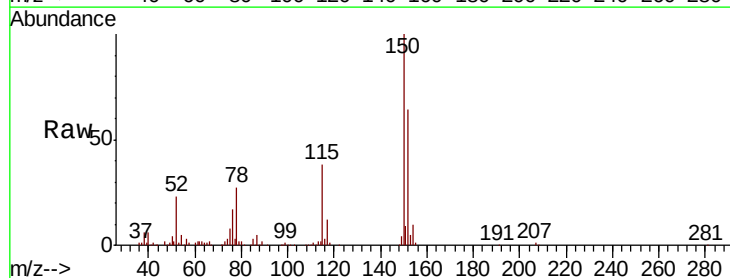
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VN060100.D
Acq: 14 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.8
150	156.0	0.0	342.4

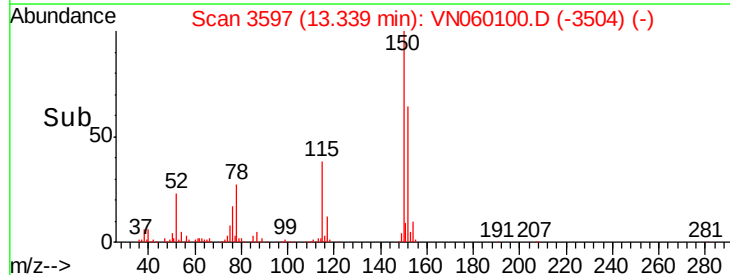
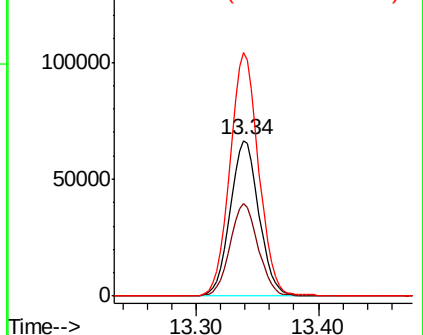


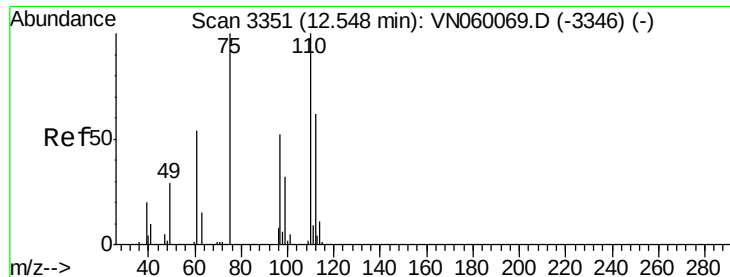
Abundance

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: 29.492 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

Instrument :

MSVOA_N

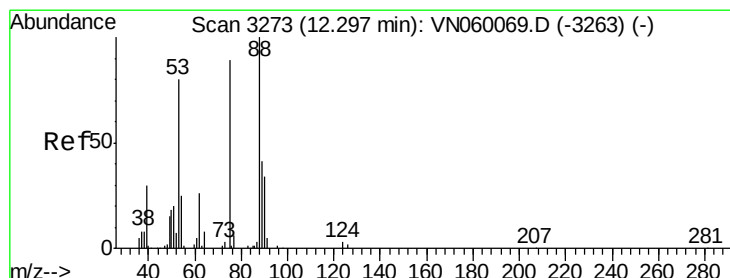
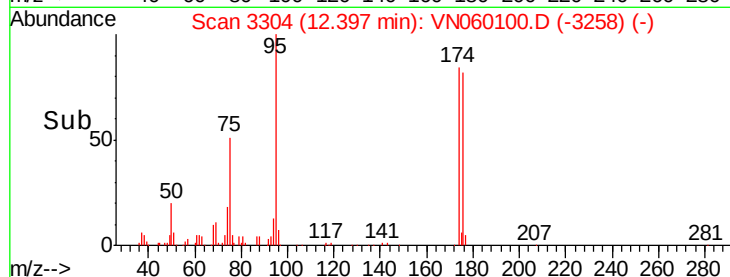
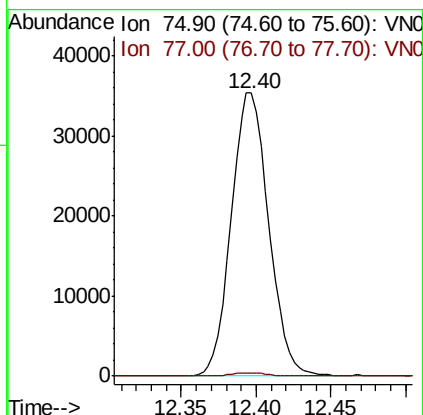
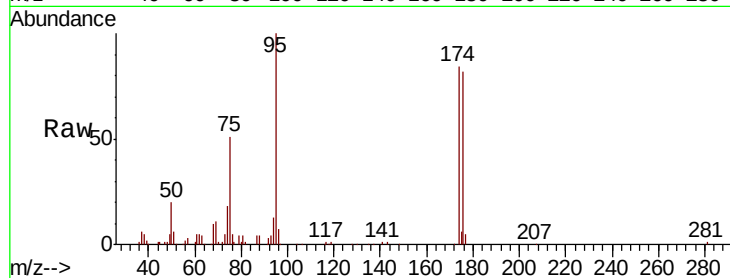
ClientSampleId :

Tot Ion: 75 Resp: 61598

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.210 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

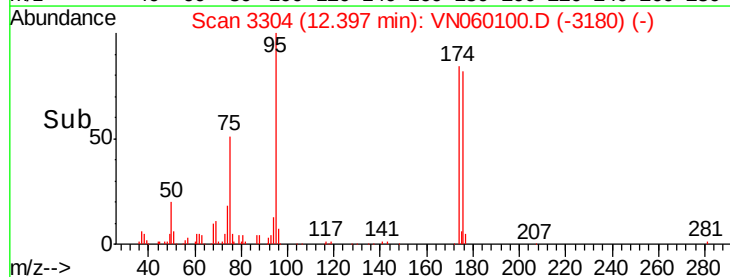
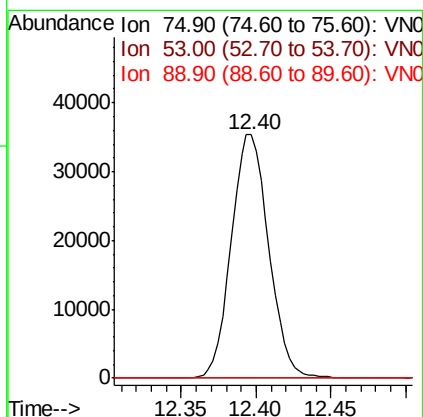
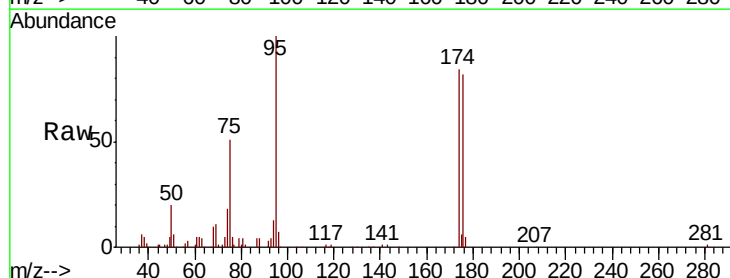
Tgt Ion: 75 Resp: 61598

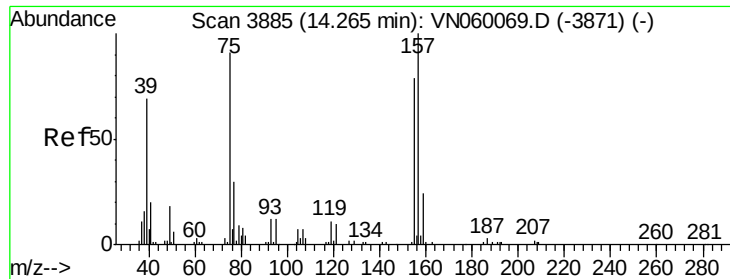
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#

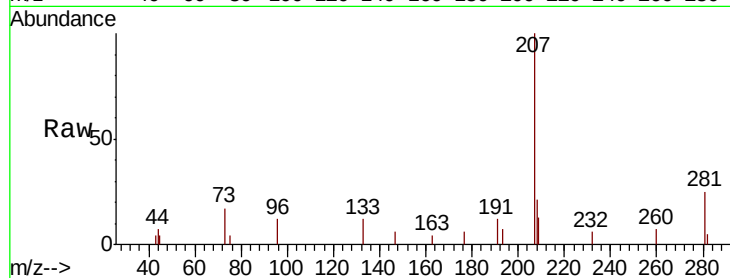




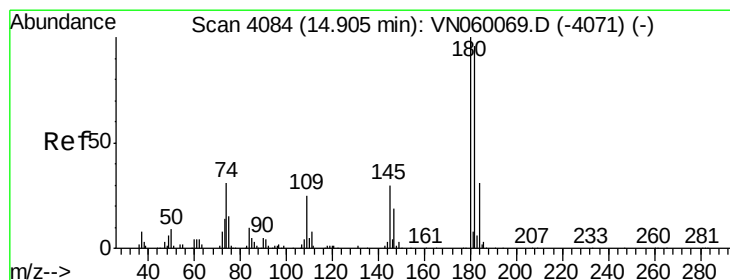
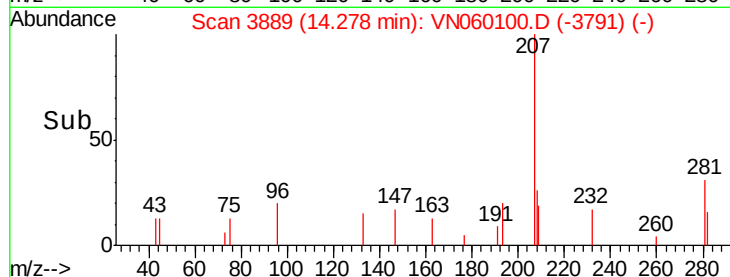
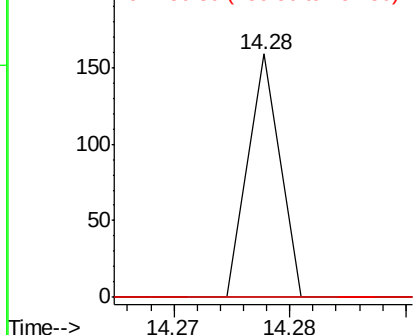
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.01 min
 Lab File: VN060100.D
 Acq: 14 Feb 2020 10:33

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 31
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#

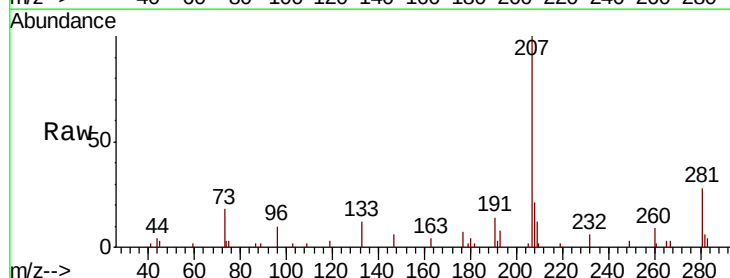


Abundance Ion 74.90 (74.60 to 75.60): VN060100.D (-3791) (-)
 Ion 154.80 (154.50 to 155.50): VN060100.D (-3791) (-)
 Ion 156.80 (156.50 to 157.50): VN060100.D (-3791) (-)

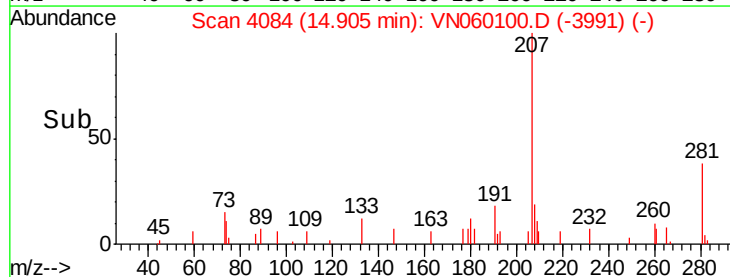
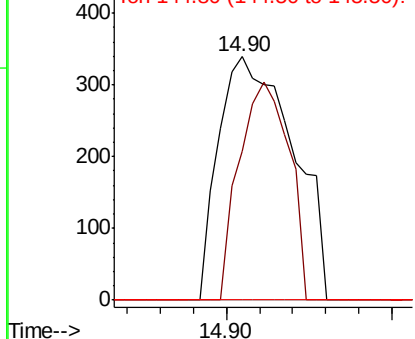


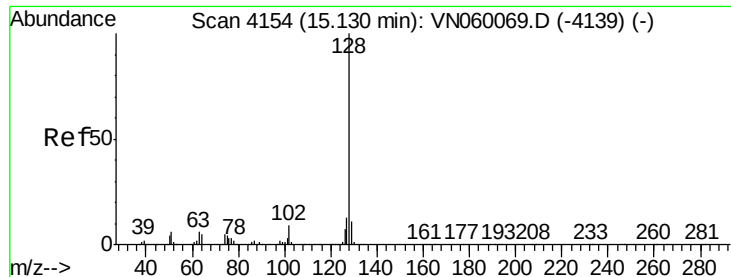
#93
 1,2,4-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060100.D
 Acq: 14 Feb 2020 10:33

Tgt Ion: 180 Resp: 531
 Ion Ratio Lower Upper
 180 100
 182 59.3 47.9 143.8
 145 0.0 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): VN060100.D (-3991) (-)
 Ion 181.80 (181.50 to 182.50): VN060100.D (-3991) (-)
 Ion 144.80 (144.50 to 145.50): VN060100.D (-3991) (-)





#95

Naphthalene

Concen: 0.353 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

Instrument :

MSVOA_N

ClientSampled :

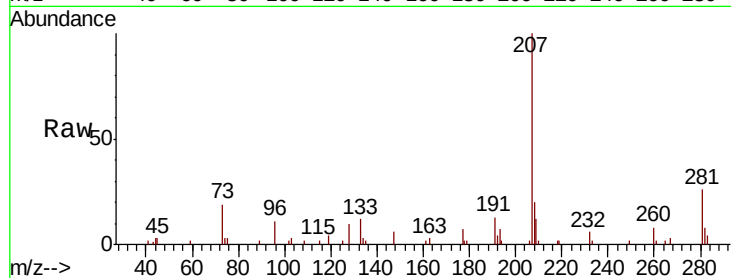
Tot Ion:128 Resp: 1963

Ion Ratio Lower Upper

128 100

127 3.4 10.3 15.5#

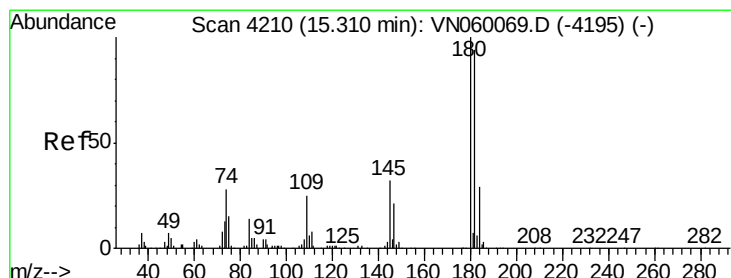
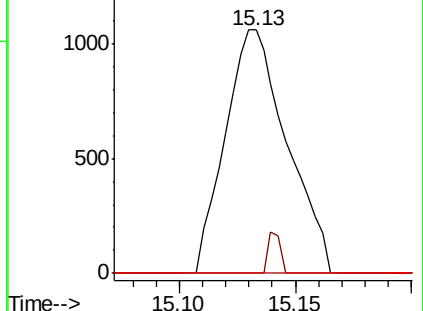
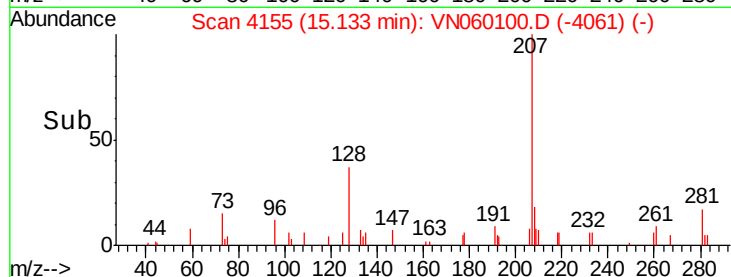
129 0.0 8.6 13.0#



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: 0.379 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060100.D

Acq: 14 Feb 2020 10:33

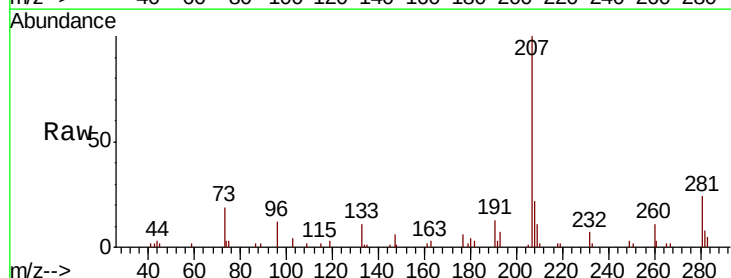
Tgt Ion:180 Resp: 778

Ion Ratio Lower Upper

180 100

182 62.7 47.5 142.5

145 20.2 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

