

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060163.D
 Acq On : 20 Feb 2020 10:58
 Operator : JC/MD
 Sample : VN0220WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:21:27 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	171388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	271503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105460	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	102493	49.15	ug/l	0.00
Spiked Amount						
			Recovery	=	98.30%	
35) Dibromofluoromethane	7.56	113	81971	49.12	ug/l	0.00
Spiked Amount						
			Recovery	=	98.24%	
50) Toluene-d8	10.08	98	328027	49.91	ug/l	0.00
Spiked Amount						
			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	114603	47.46	ug/l	0.00
Spiked Amount						
			Recovery	=	94.92%	

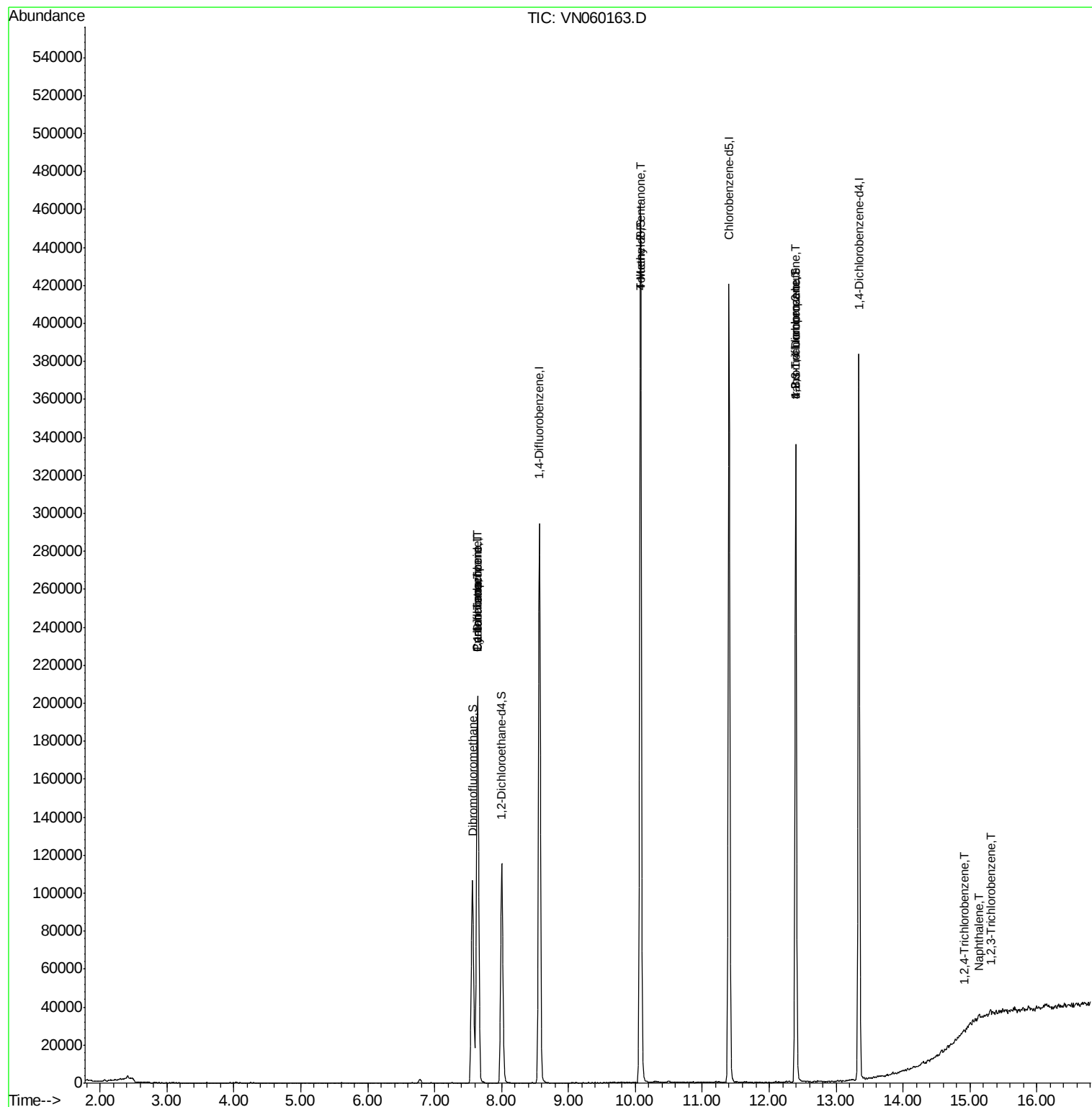
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3440	1.166	ug/l #	24
36) 1,1-Dichloropropene	7.64	75	12240	4.867	ug/l #	48
38) Carbon Tetrachloride	7.64	117	16465	6.029	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1412	0.628	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	58583	29.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	58583	71.092	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	424	0.213	ug/l #	65
95) Naphthalene	15.13	128	1695	0.315	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	668	0.337	ug/l	83

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

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MSVOA_N
ClientSampleId :

Quant Time: Feb 21 02:21:27 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: VN060163.D

Acq: 20 Feb 2020 10:58

Instrument :

MSVOA_N

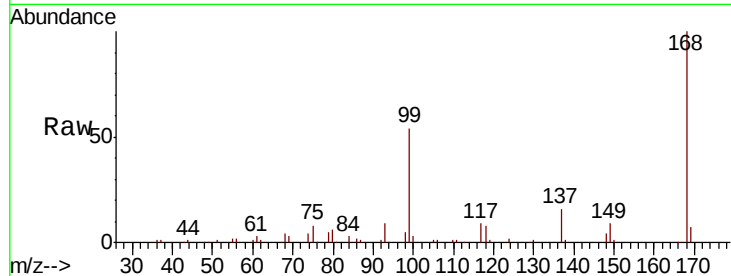
ClientSampleId :

Tot Ion:168 Resp: 171388

Ion Ratio Lower Upper

168 100

99 54.2 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

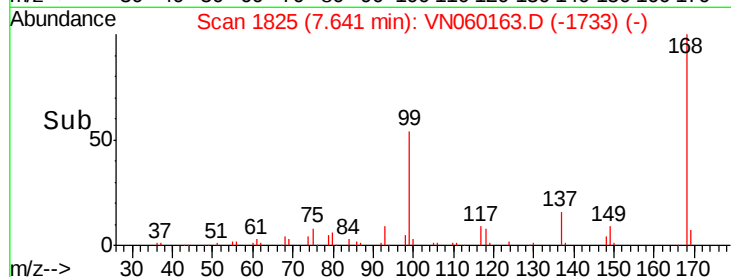
0

7.50

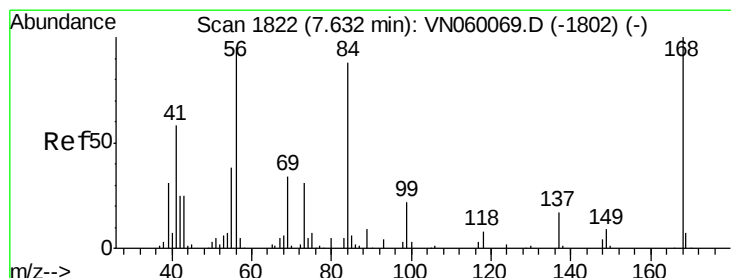
7.60

7.70

7.80



Time-->



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

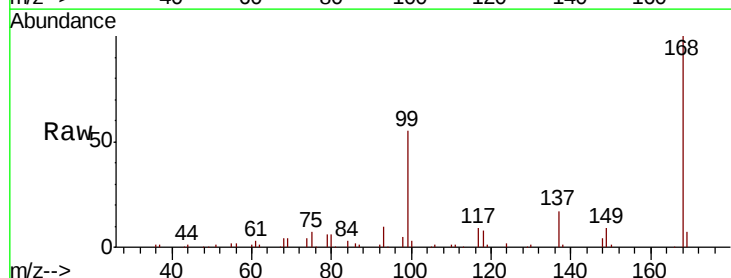
Tgt Ion: 56 Resp: 3440

Ion Ratio Lower Upper

56 100

69 150.7 28.3 42.5#

84 117.1 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

2000

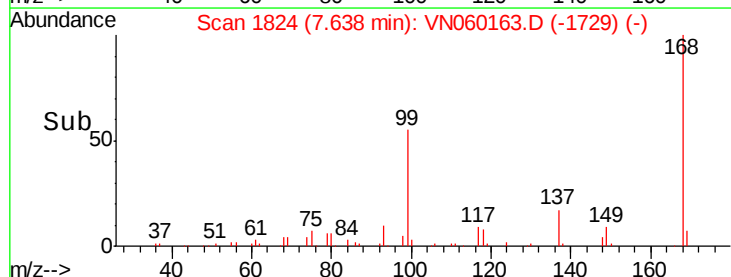
1000

0

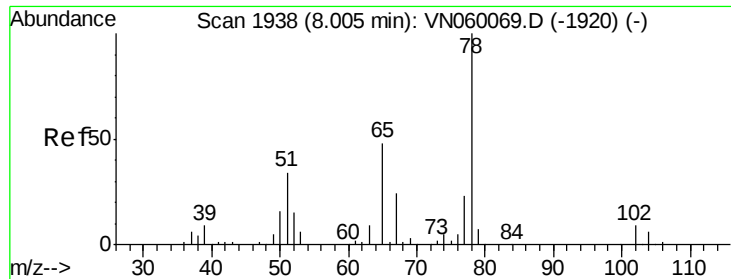
7.60

7.65

7.70



Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.146 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

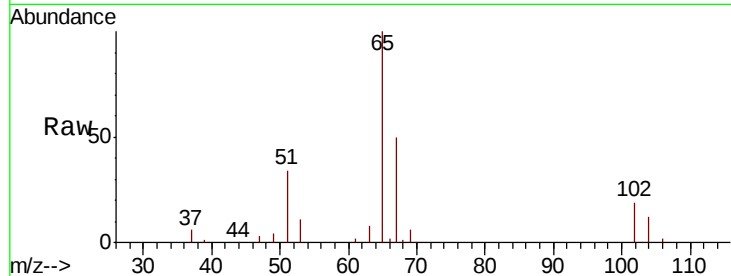
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 102493

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0

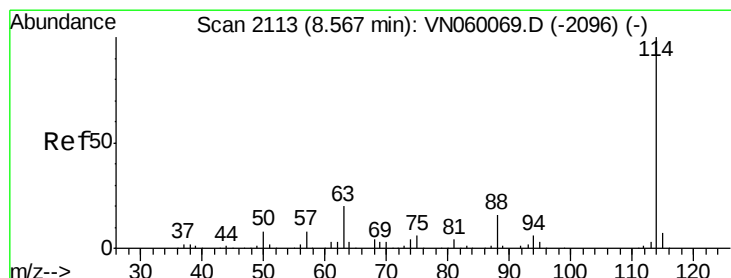
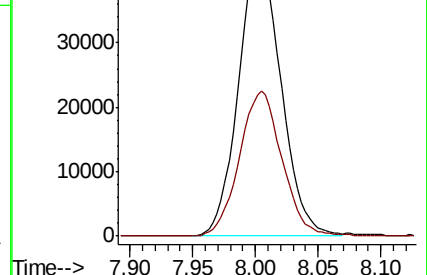
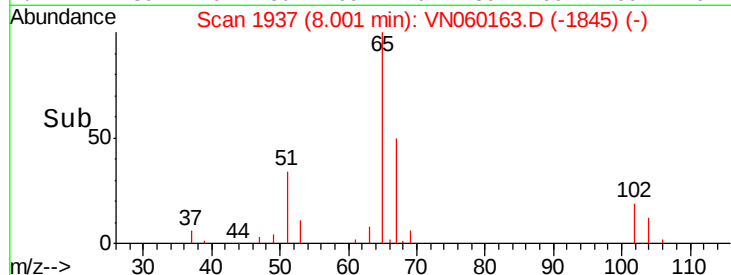


Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)

8.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

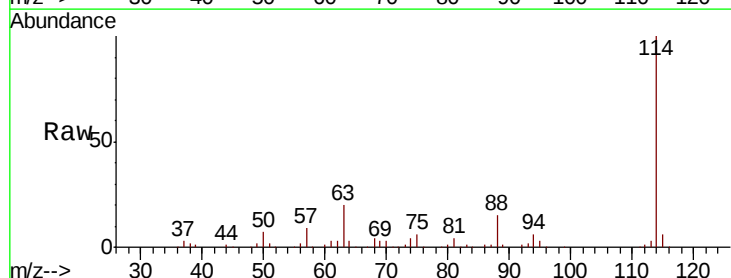
Tgt Ion: 114 Resp: 271503

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 14.9 0.0 31.6



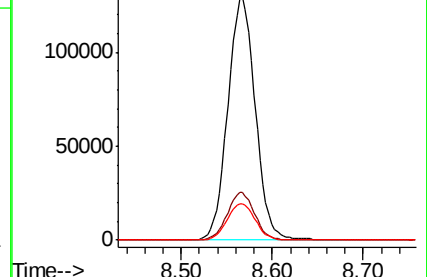
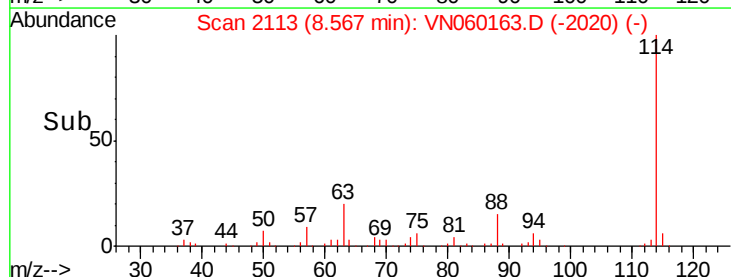
Abundance Ion 113.90 (113.60 to 114.60): VN060069.D (-2096) (-)

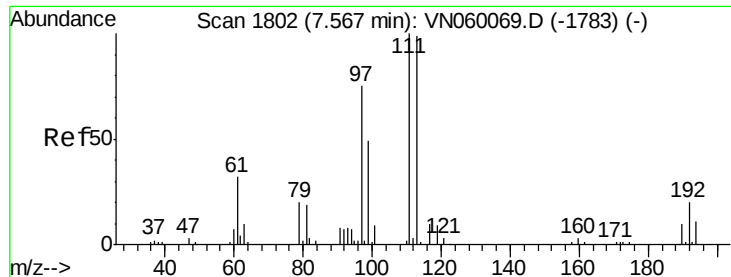
Ion 63.00 (62.70 to 63.70): VN060069.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060069.D (-2096) (-)

8.57

Time-->

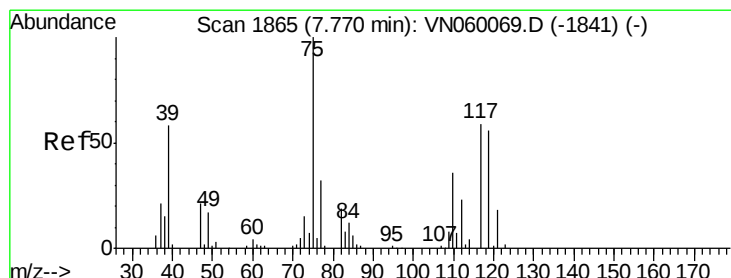
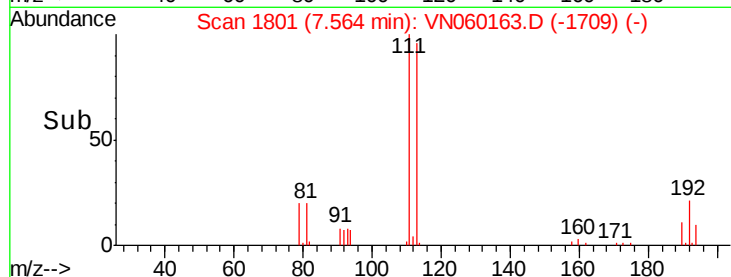
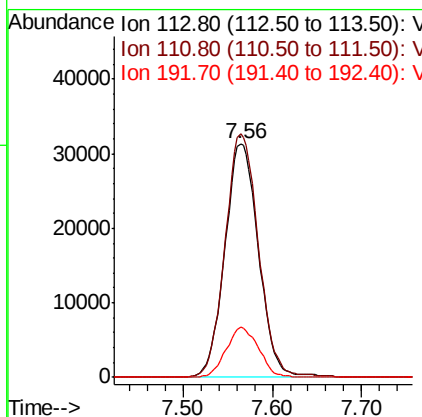
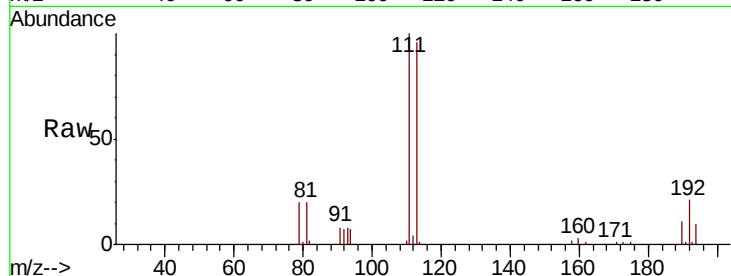




#35
 Dibromofluoromethane
 Concen: 49.116 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060163.D
 Acq: 20 Feb 2020 10:58

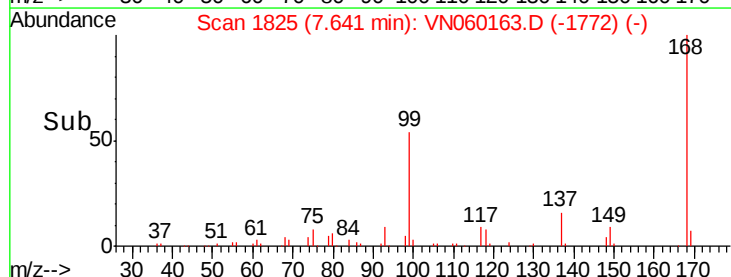
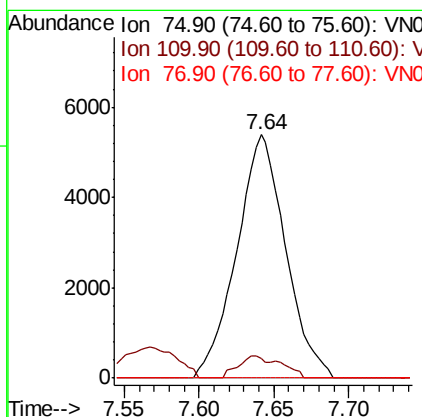
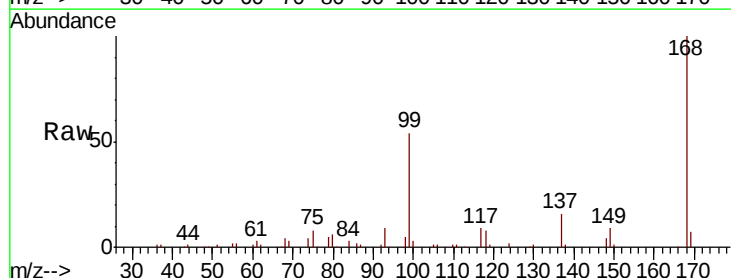
Instrument :
 MSVOA_N
 ClientSampleId :

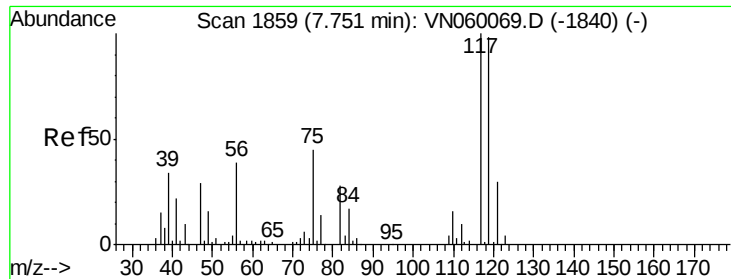
Tot Ion:113 Resp: 81971
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.4 122.2
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060163.D
 Acq: 20 Feb 2020 10:58

Tgt Ion: 75 Resp: 12240
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.029 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

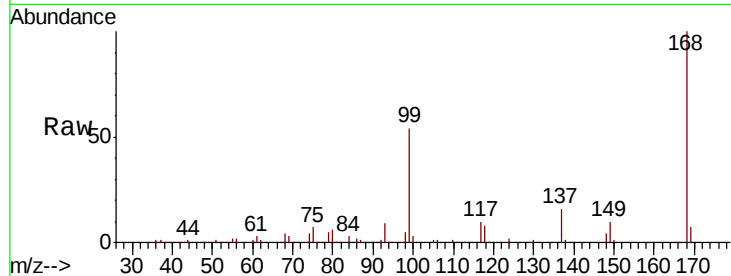
Tot Ion:117 Resp: 16465

Ion Ratio Lower Upper

117 100

119 4.6 78.2 117.4#

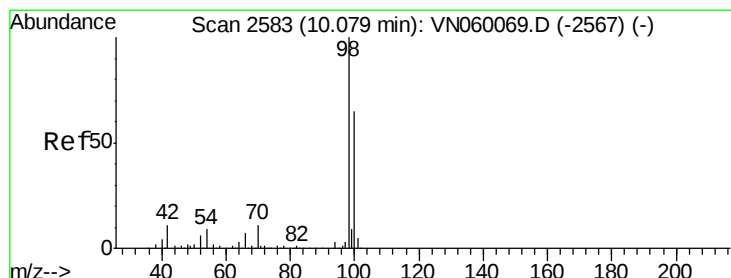
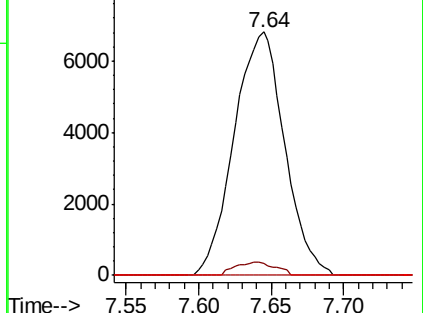
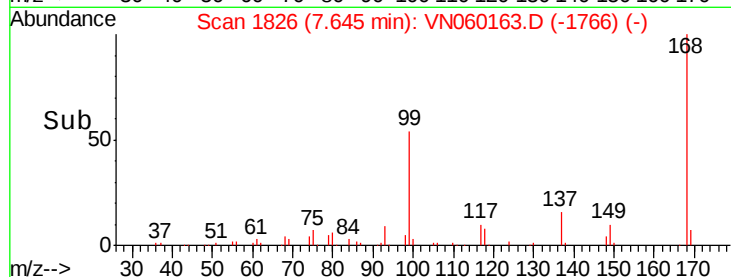
121 0.0 24.2 36.2#



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: 49.912 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060163.D

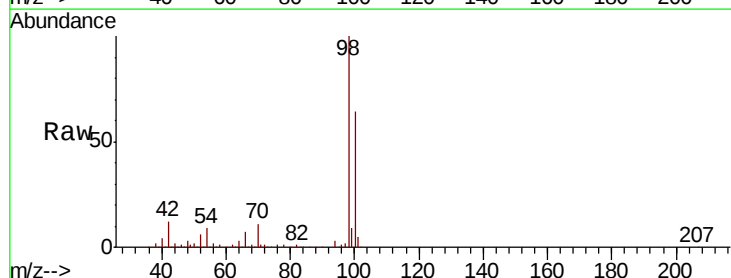
Acq: 20 Feb 2020 10:58

Tgt Ion: 98 Resp: 328027

Ion Ratio Lower Upper

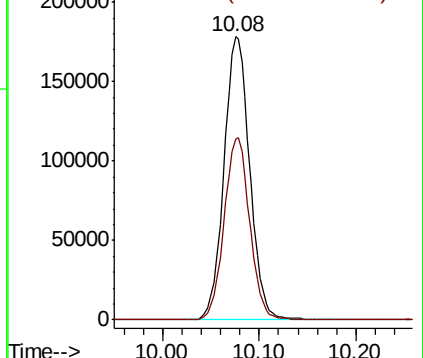
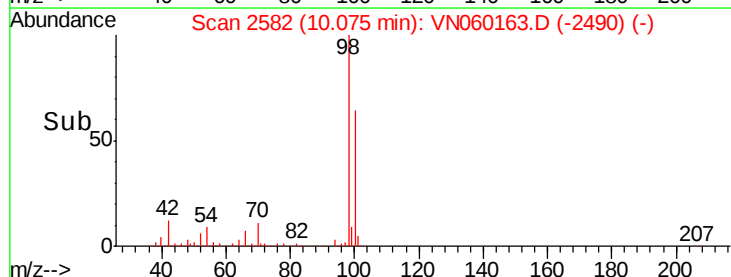
98 100

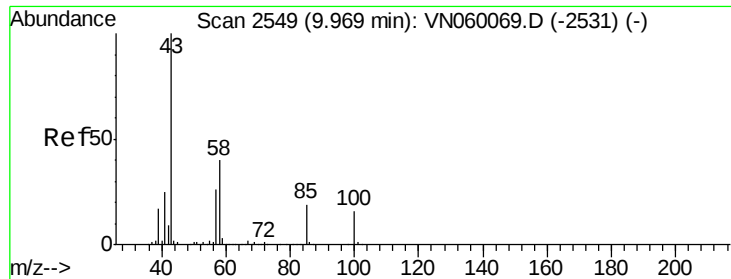
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

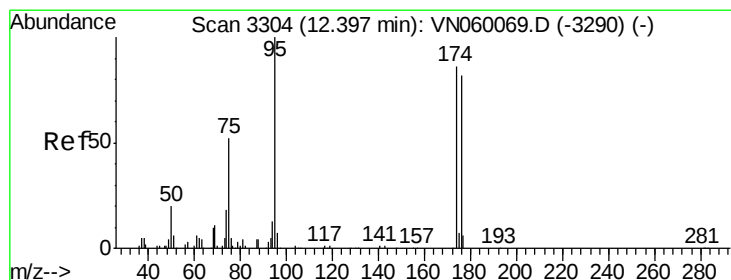
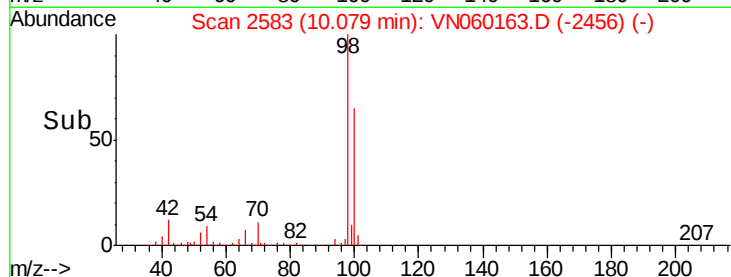
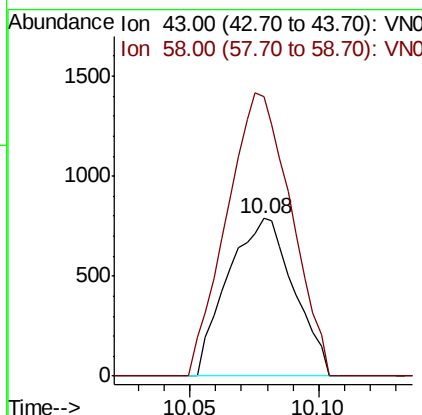
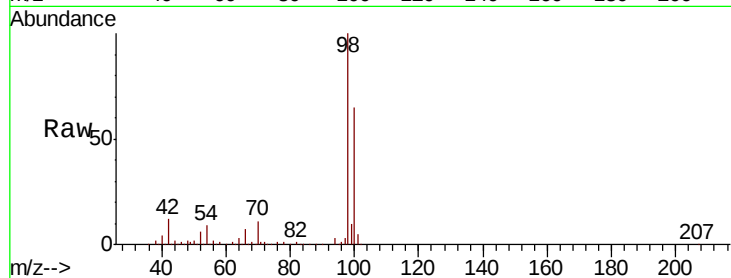




#51
 4-Methyl-2-Pentanone
 Concen: 0.628 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.11 min
 Lab File: VN060163.D
 Acq: 20 Feb 2020 10:58

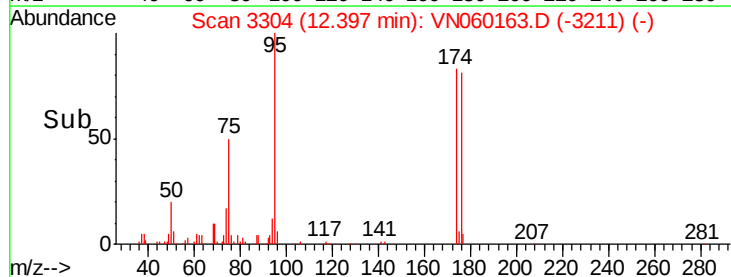
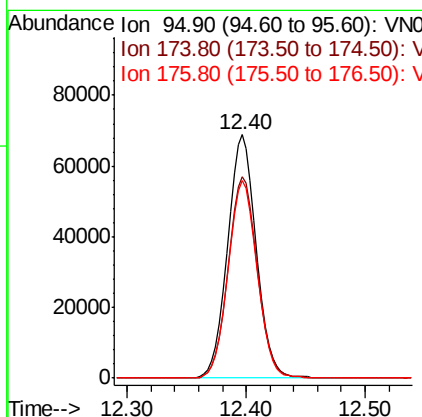
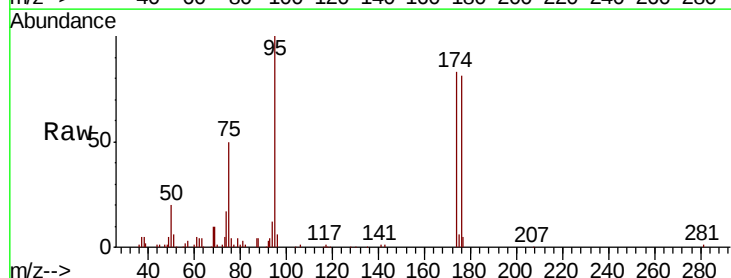
Instrument :
 MSVOA_N
 ClientSampleId :

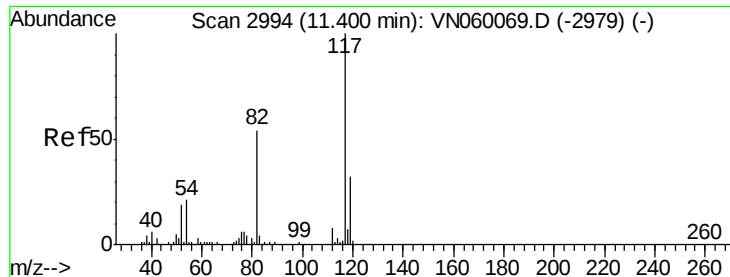
Tot Ion: 43 Resp: 1412
 Ion Ratio Lower Upper
 43 100
 58 174.6 31.8 47.8#



#62
 4-Bromofluorobenzene
 Concen: 47.455 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060163.D
 Acq: 20 Feb 2020 10:58

Tgt Ion: 95 Resp: 114603
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 169.8
 176 82.1 0.0 164.8

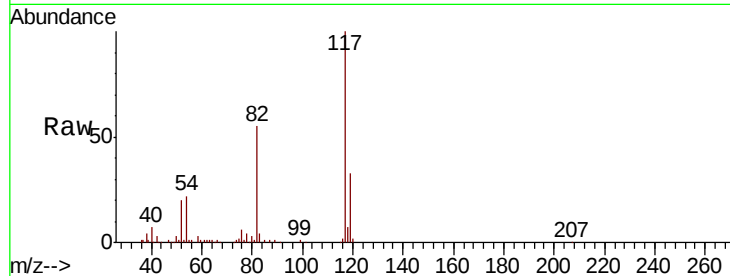




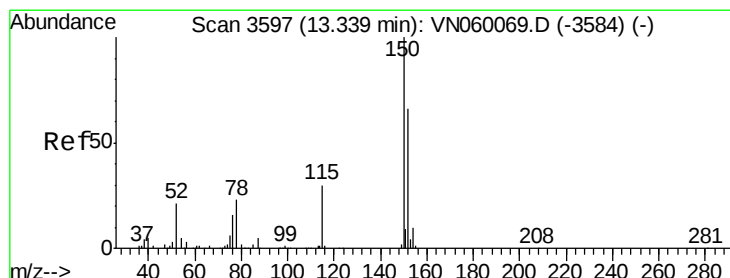
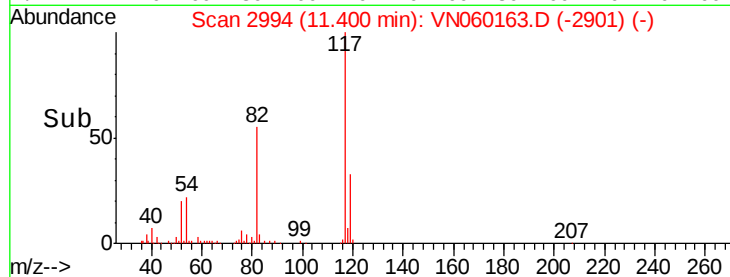
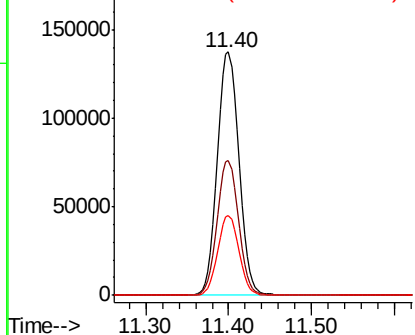
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060163.D
Acq: 20 Feb 2020 10:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 248948
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 33.0 25.8 38.6

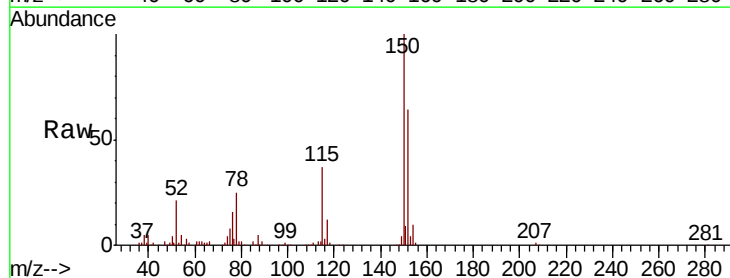


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

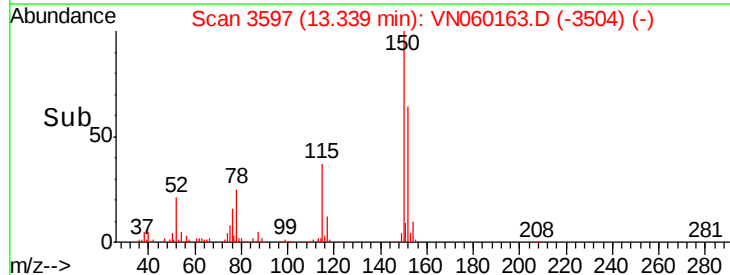
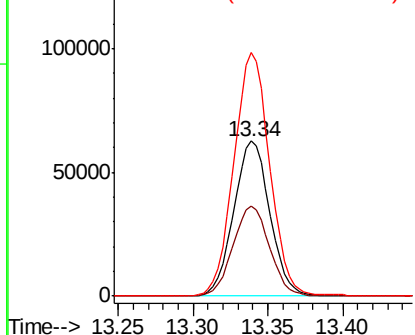


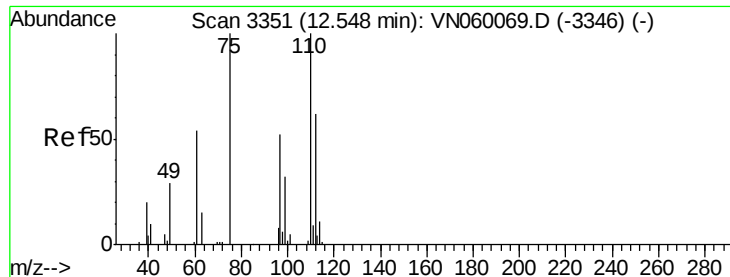
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060163.D
Acq: 20 Feb 2020 10:58

Tgt Ion:152 Resp: 105460
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.8
150 156.5 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: 29.035 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

Instrument :

MSVOA_N

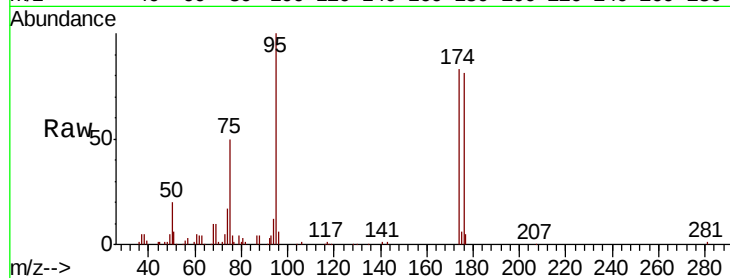
ClientSampleId :

Tot Ion: 75 Resp: 58583

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060163.D (-3180) (-)

Ion 77.00 (76.70 to 77.70): VN060163.D (-3180) (-)

12.40

40000

30000

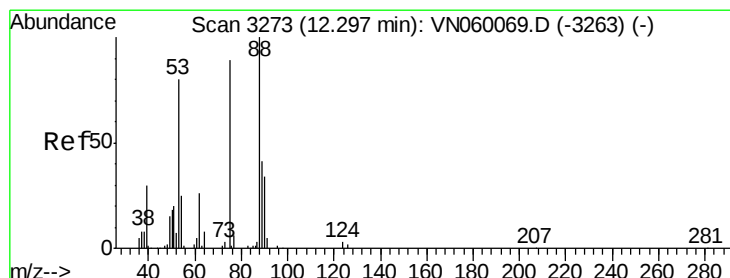
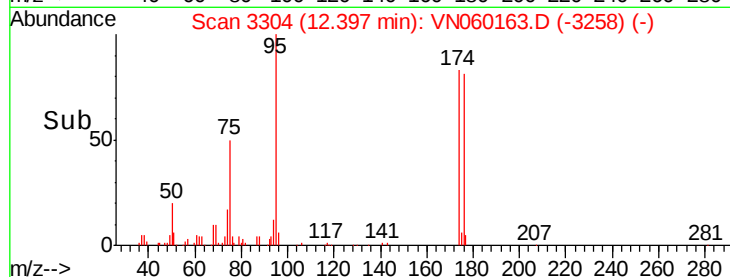
20000

10000

0

Time-->

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 71.092 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

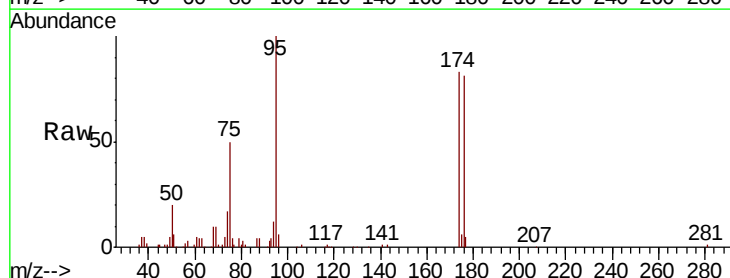
Tgt Ion: 75 Resp: 58583

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): VN060163.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060163.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060163.D (-3180) (-)

12.40

40000

30000

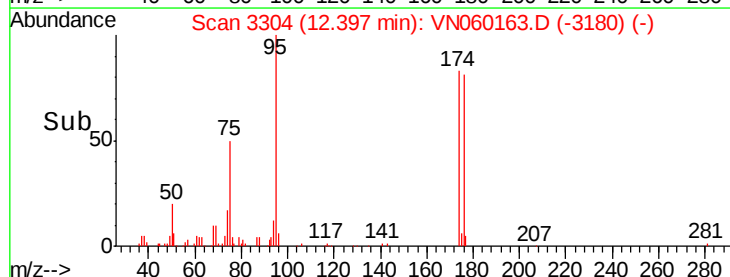
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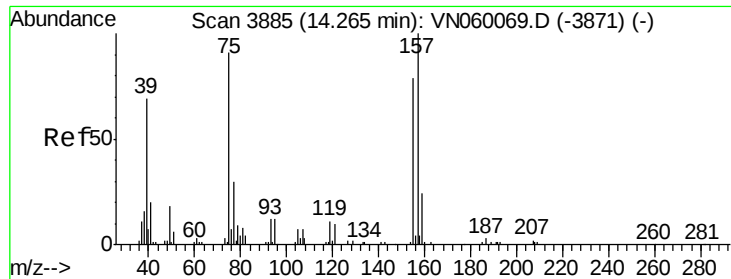
10000

0

Time-->

12.35 12.40 12.45

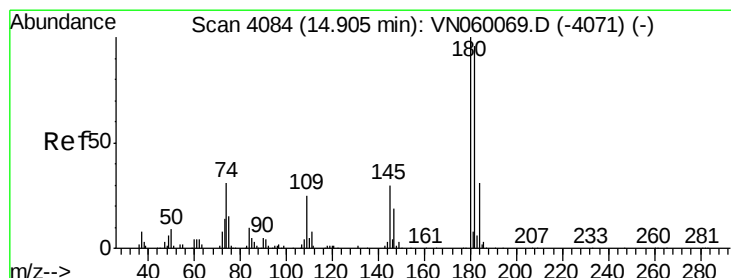
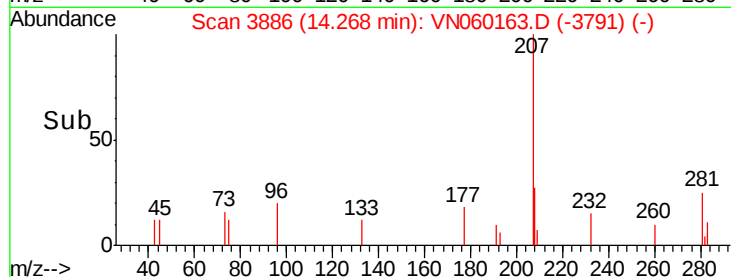
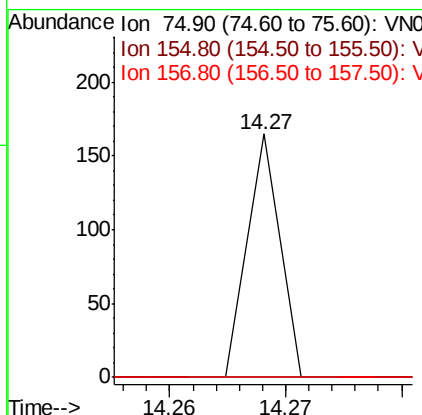
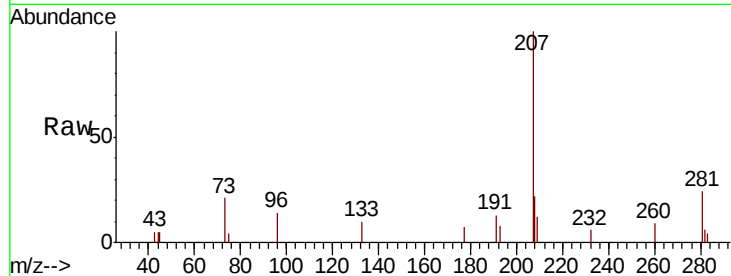




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060163.D
 Acq: 20 Feb 2020 10:58

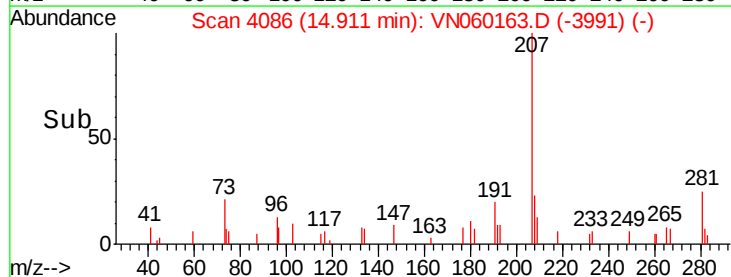
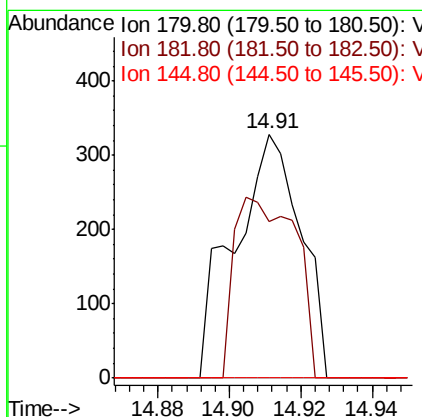
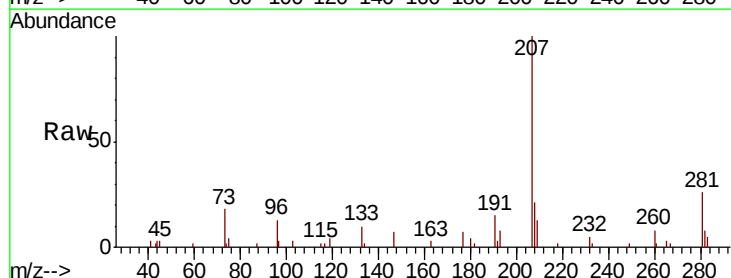
Instrument :
 MSVOA_N
 ClientSampleId :

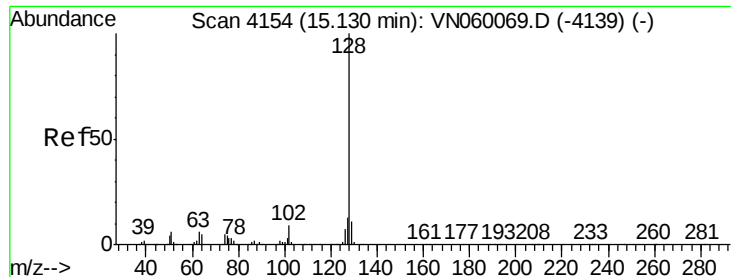
Tot Ion: 75 Resp: 32
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.213 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060163.D
 Acq: 20 Feb 2020 10:58

Tgt Ion: 180 Resp: 424
 Ion Ratio Lower Upper
 180 100
 182 68.2 47.9 143.8
 145 0.0 15.2 45.5#





#95

Naphthalene

Concen: 0.315 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

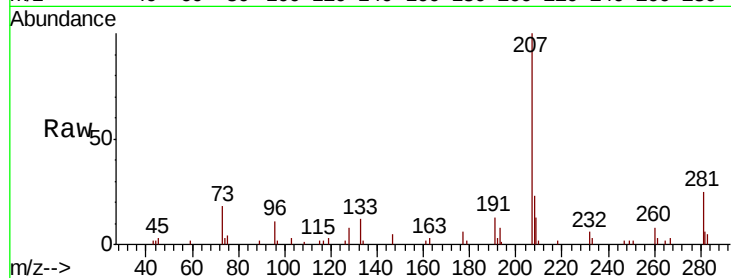
Tot Ion:128 Resp: 1695

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

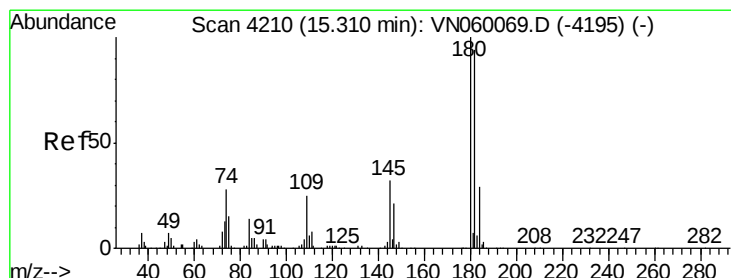
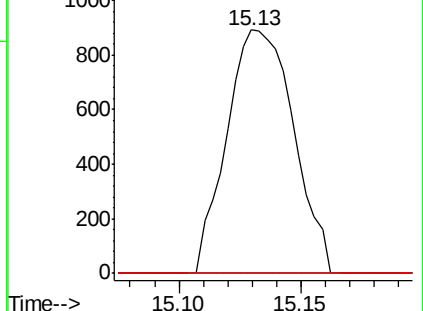
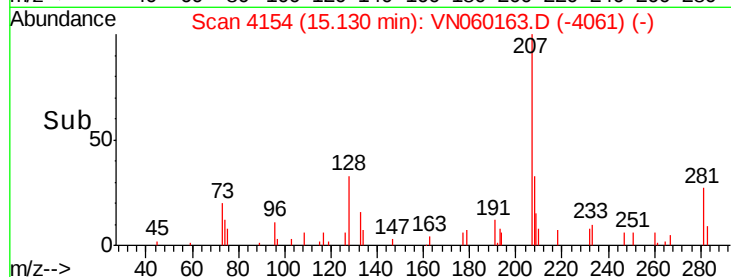
129 0.0 8.6 13.0#



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: 0.337 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060163.D

Acq: 20 Feb 2020 10:58

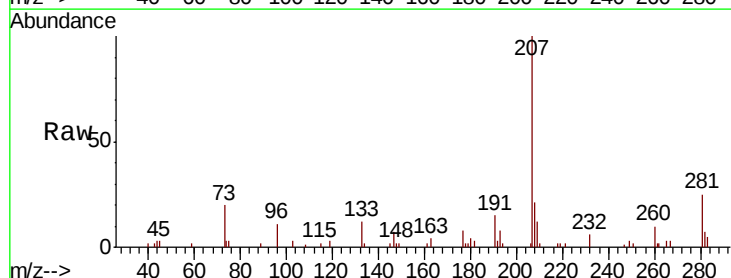
Tgt Ion:180 Resp: 668

Ion Ratio Lower Upper

180 100

182 75.6 47.5 142.5

145 37.6 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

