

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060181.D
 Acq On : 21 Feb 2020 11:24
 Operator : JC/MD
 Sample : VN0221WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:22:46 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	174914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	278849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109893	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	105092	49.38	ug/l	0.00
Spiked Amount						
			Recovery	=	98.76%	
35) Dibromofluoromethane	7.56	113	83891	48.94	ug/l	0.00
Spiked Amount						
			Recovery	=	97.88%	
50) Toluene-d8	10.08	98	331864	49.17	ug/l	0.00
Spiked Amount						
			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.40	95	116991	47.17	ug/l	0.00
Spiked Amount						
			Recovery	=	94.34%	

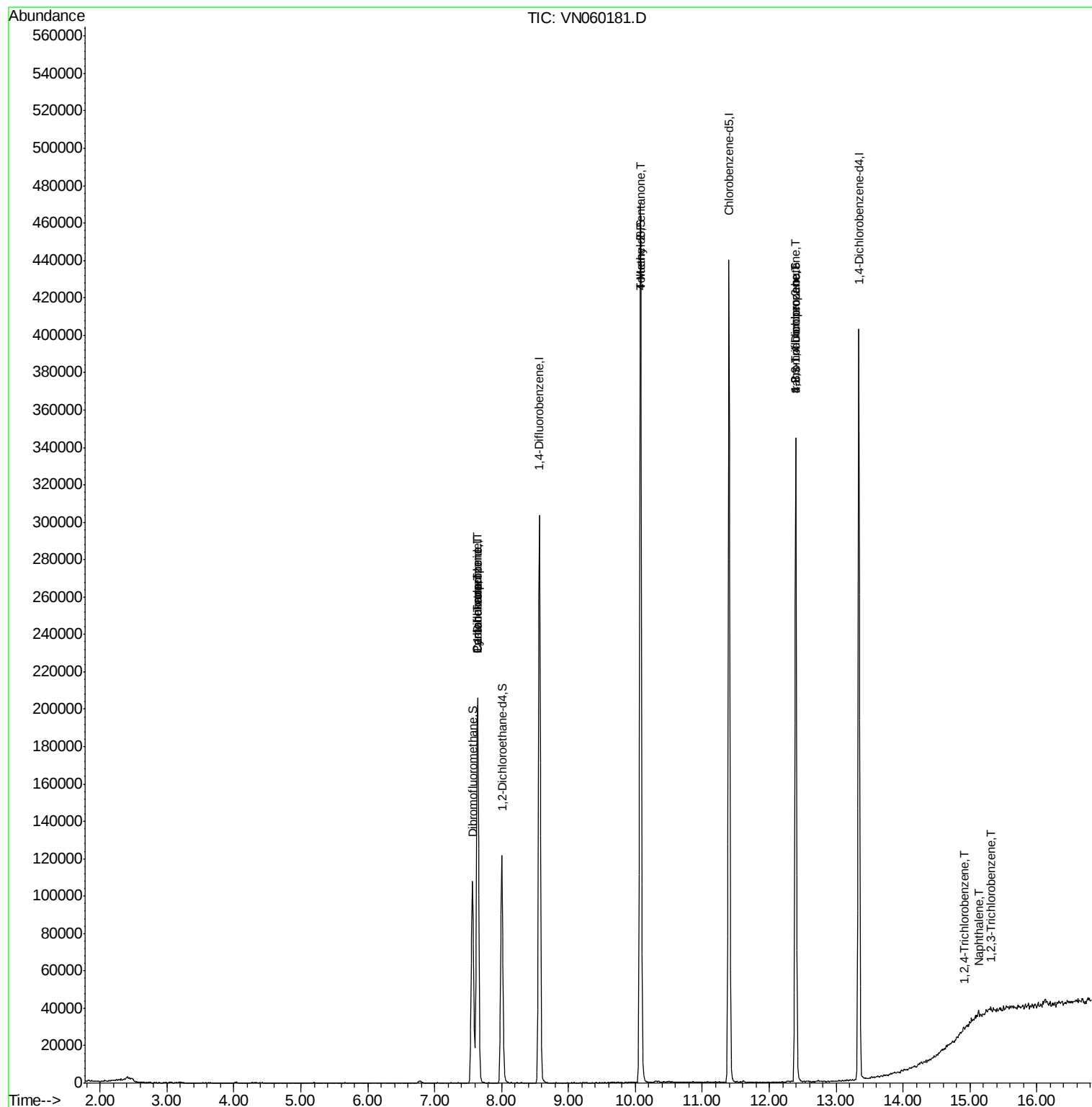
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3595	1.194	ug/l #	29
36) 1,1-Dichloropropene	7.64	75	12575	4.869	ug/l #	44
38) Carbon Tetrachloride	7.64	117	16252	5.794	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1495	0.647	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	60323	28.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60323	70.251	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.37	75	30	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	495	0.239	ug/l #	62
95) Naphthalene	15.13	128	2088	0.373	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.32	180	789	0.382	ug/l #	14

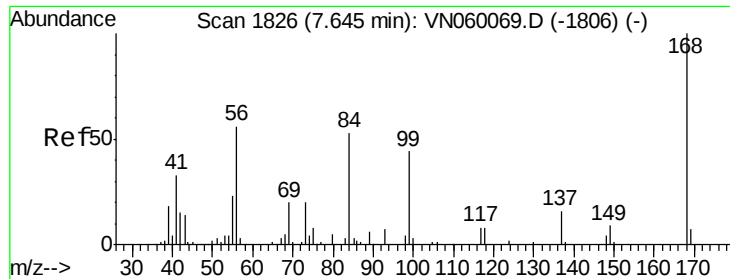
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022120\
Data File : VN060181.D
Acq On : 21 Feb 2020 11:24
Operator : JC/MD
Sample : VN0221WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 21 22:22:46 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: VN060181.D

Acq: 21 Feb 2020 11:24

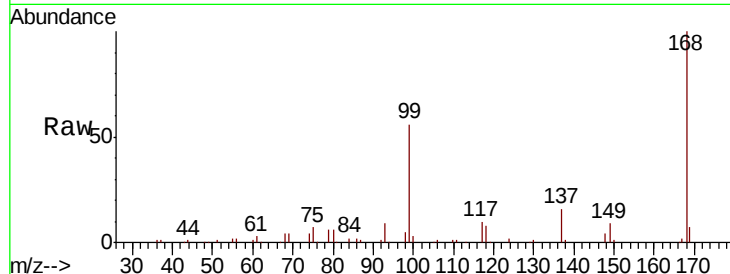
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 174914

Ion Ratio Lower Upper

168 100

99 55.8 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

60000

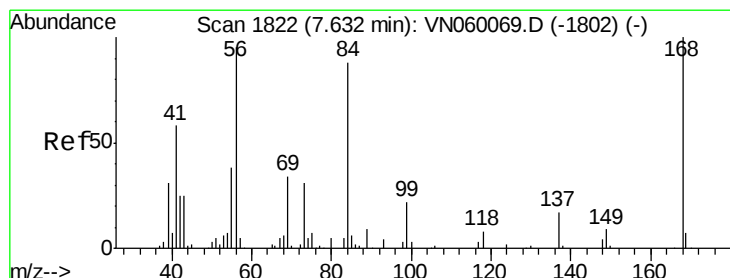
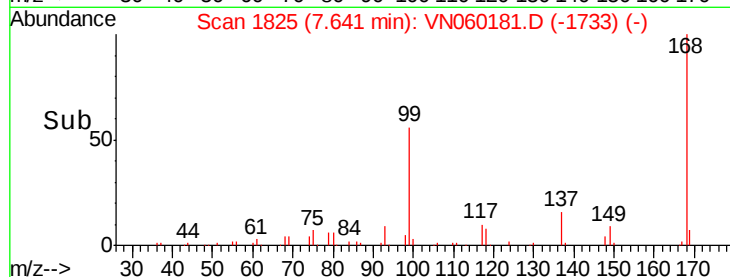
40000

20000

0

7.60 7.70

Time-->



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

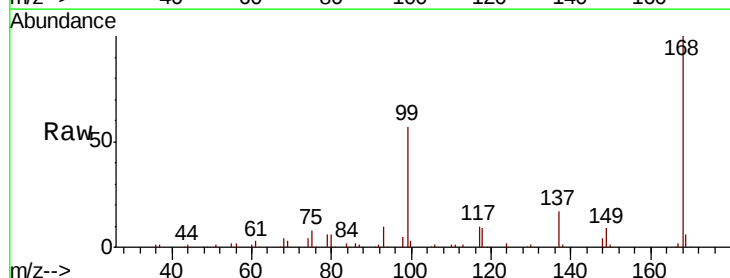
Tgt Ion: 56 Resp: 3595

Ion Ratio Lower Upper

56 100

69 157.8 28.3 42.5#

84 106.8 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

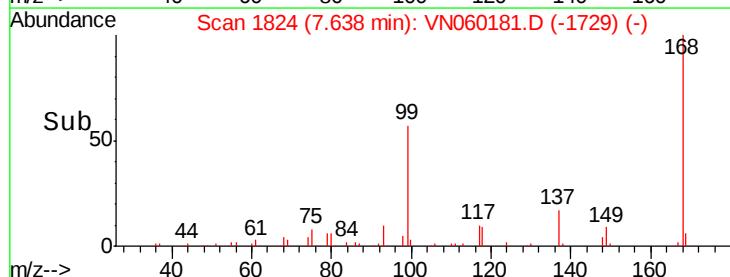
2000

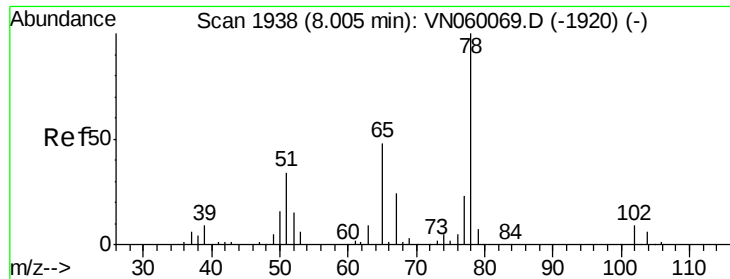
1000

0

7.60 7.65 7.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.376 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

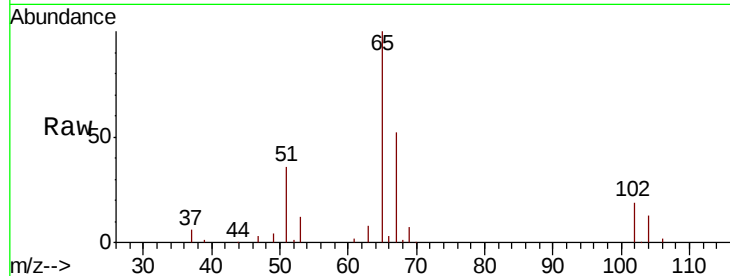
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 105092

Ion Ratio Lower Upper

65 100

67 51.7 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

50000

40000

30000

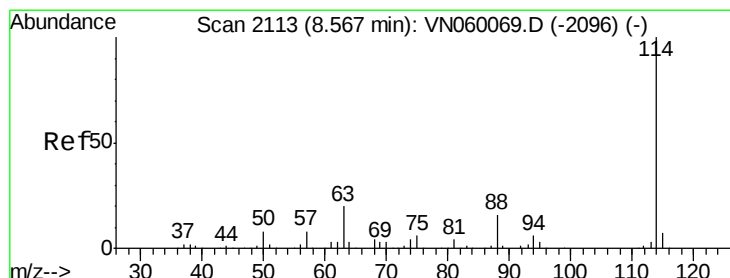
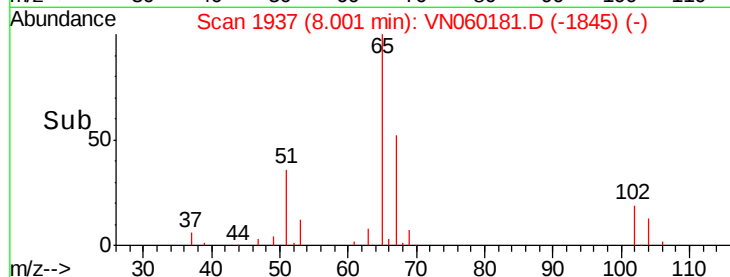
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

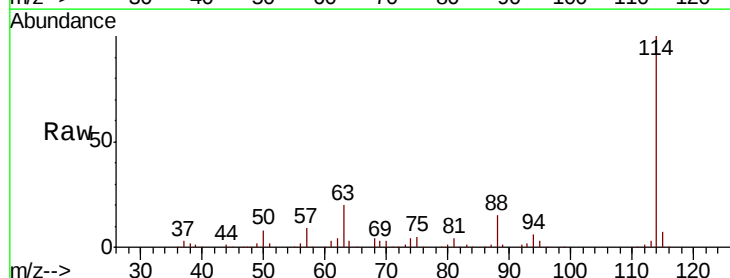
Tgt Ion:114 Resp: 278849

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.4 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) (-)

8.56

150000

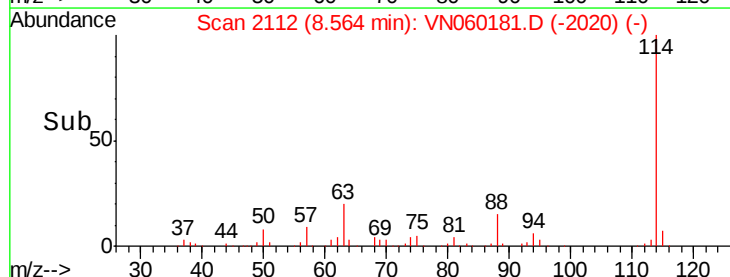
100000

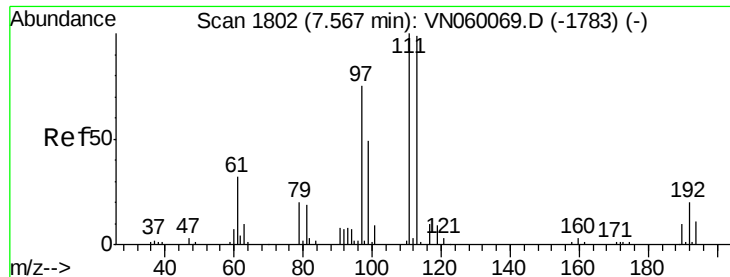
50000

0

8.50 8.60 8.70

Time-->

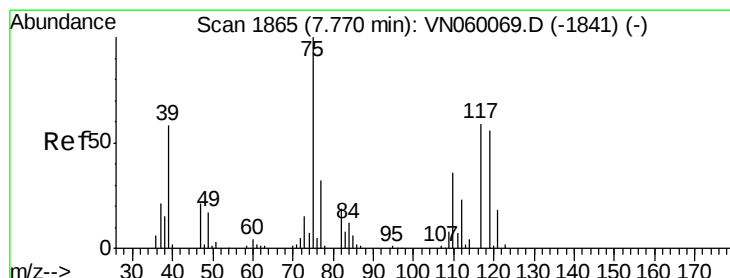
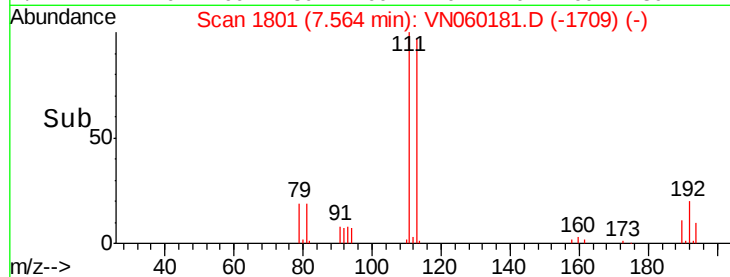
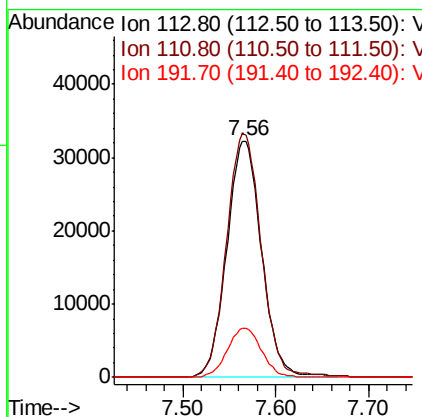
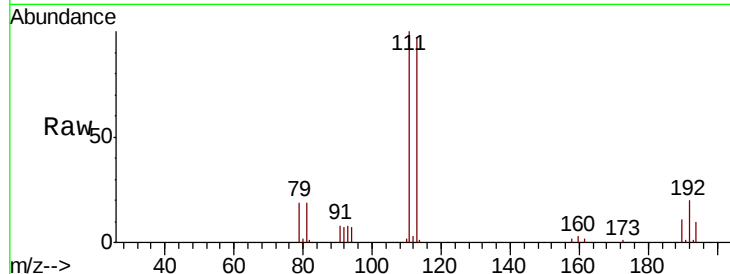




#35
 Dibromofluoromethane
 Concen: 48.942 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060181.D
 Acq: 21 Feb 2020 11:24

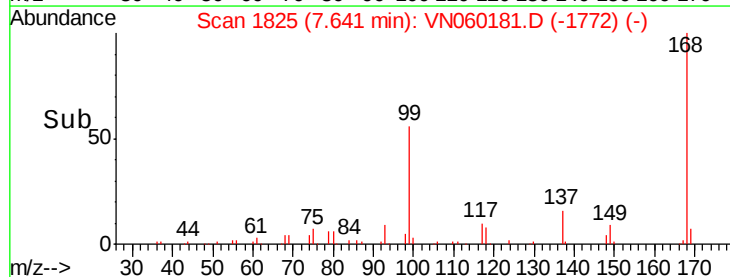
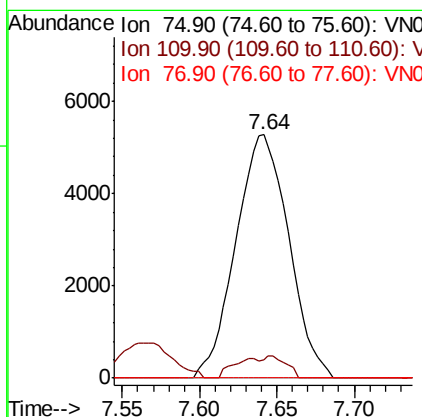
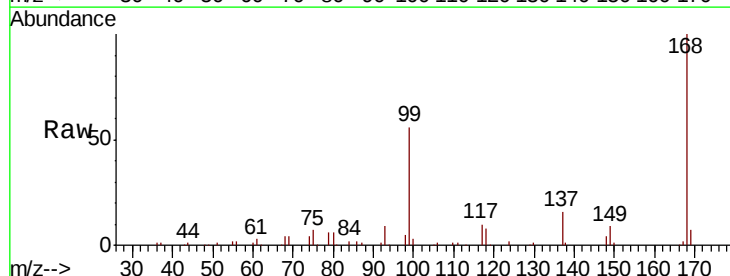
Instrument :
 MSVOA_N
 ClientSampled :

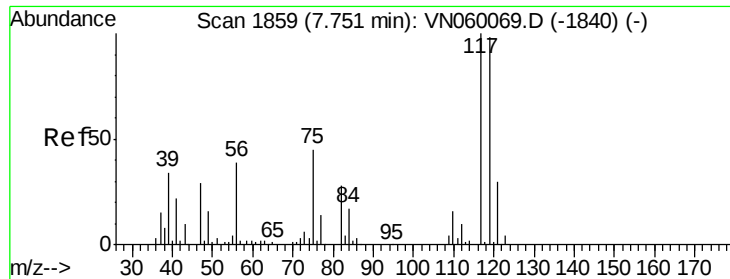
Tot Ion:113 Resp: 83891
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.4 122.2
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.869 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060181.D
 Acq: 21 Feb 2020 11:24

Tgt Ion: 75 Resp: 12575
 Ion Ratio Lower Upper
 75 100
 110 3.5 18.1 54.3#
 77 0.0 25.1 37.7#

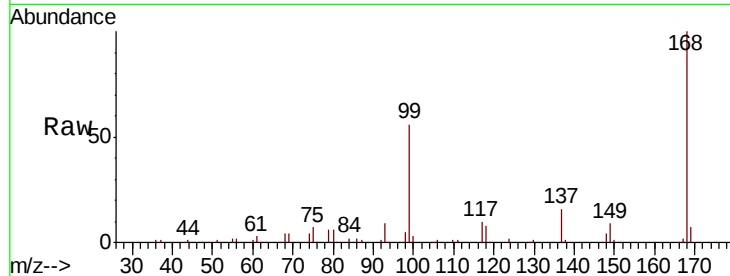




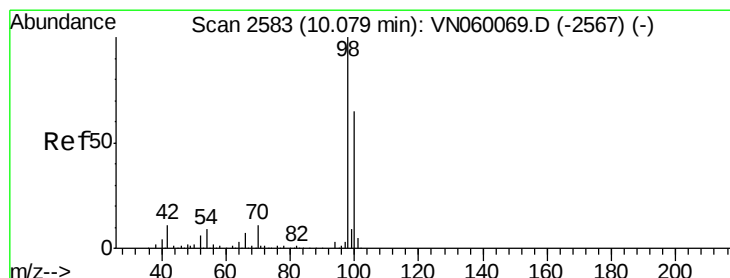
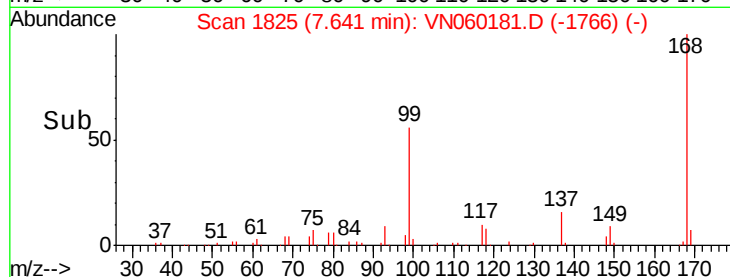
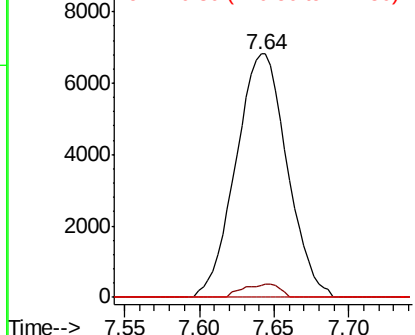
#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060181.D
Acq: 21 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 16252
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.4#
121 0.0 24.2 36.2#

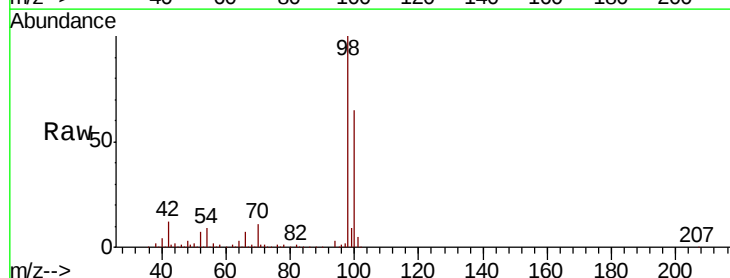


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

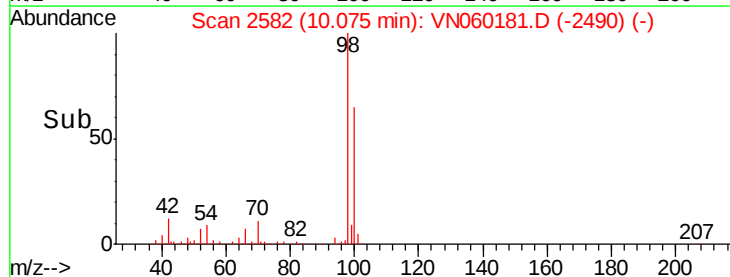
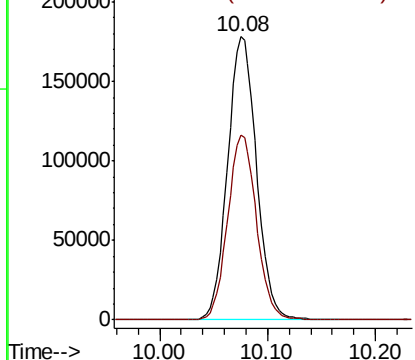


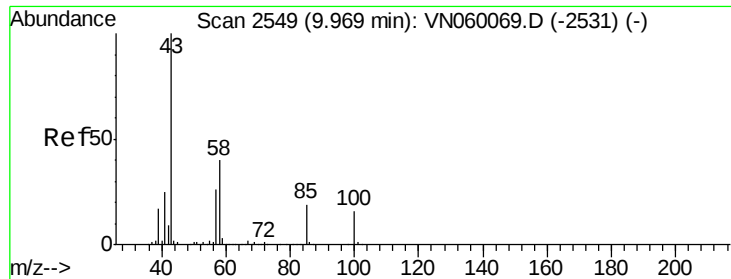
#50
Toluene-d8
Concen: 49.165 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060181.D
Acq: 21 Feb 2020 11:24

Tgt Ion: 98 Resp: 331864
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: 0.647 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

Instrument :

MSVOA_N

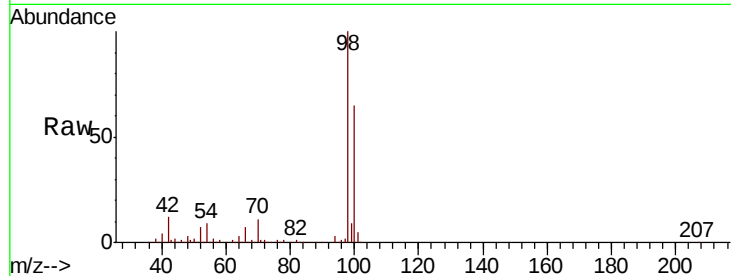
ClientSampleId :

Tot Ion: 43 Resp: 1495

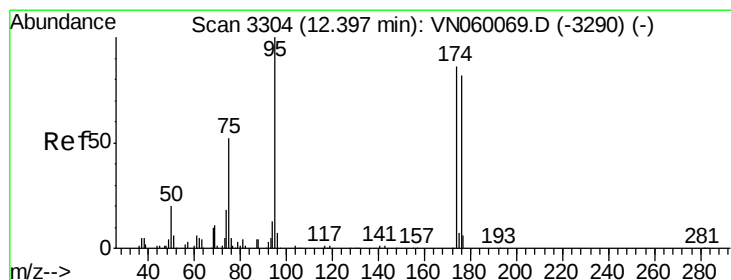
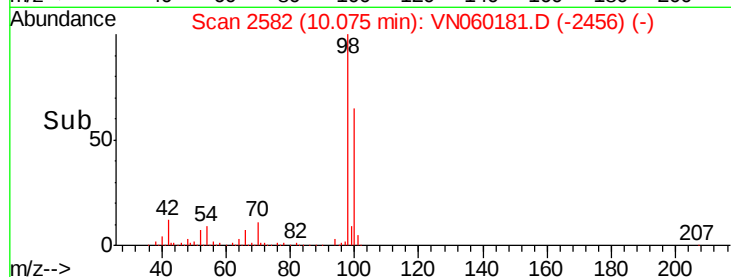
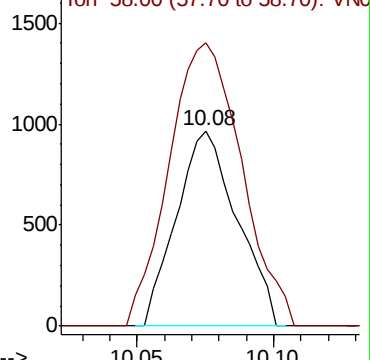
Ion Ratio Lower Upper

43 100

58 173.4 31.8 47.8#



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



#62

4-Bromofluorobenzene

Concen: 47.168 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

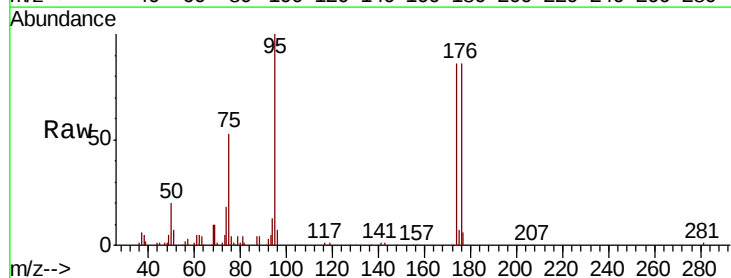
Tgt Ion: 95 Resp: 116991

Ion Ratio Lower Upper

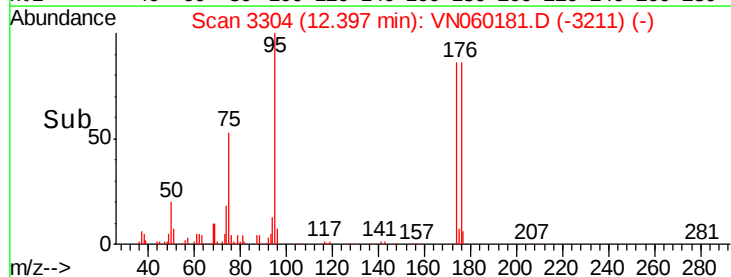
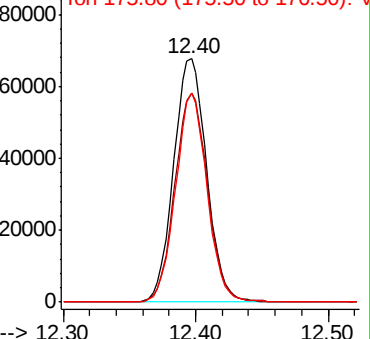
95 100

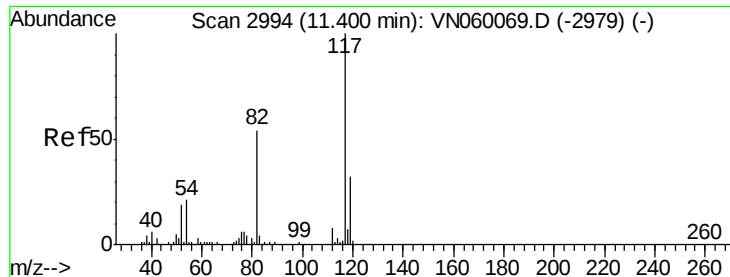
174 85.3 0.0 169.8

176 82.0 0.0 164.8



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

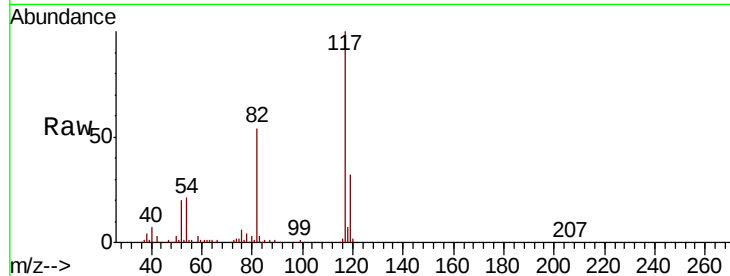




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060181.D
Acq: 21 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.4	65.0
119	32.0	25.8	38.6

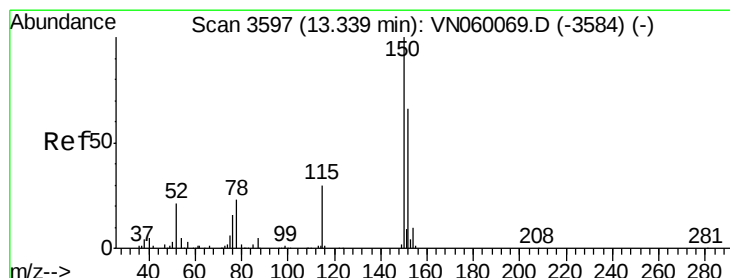
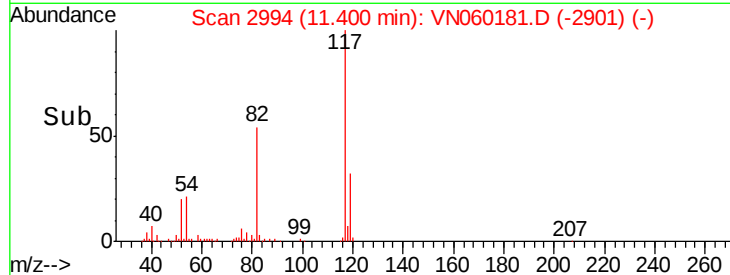
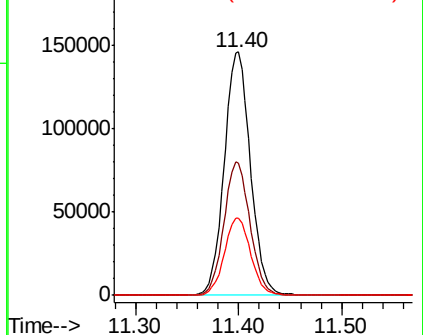


Abundance

Ion 116.90 (116.60 to 117.60): V

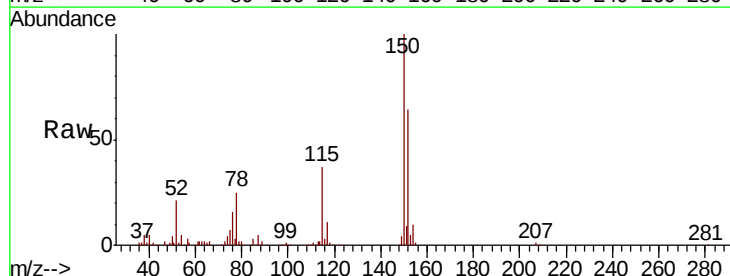
Ion 82.00 (81.70 to 82.70): V

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: VN060181.D
Acq: 21 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.8
150	157.4	0.0	342.4

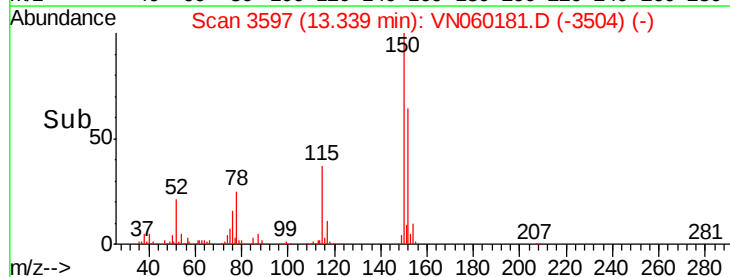
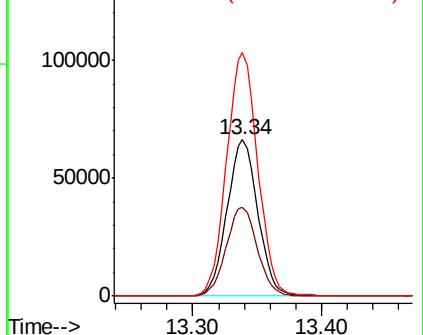


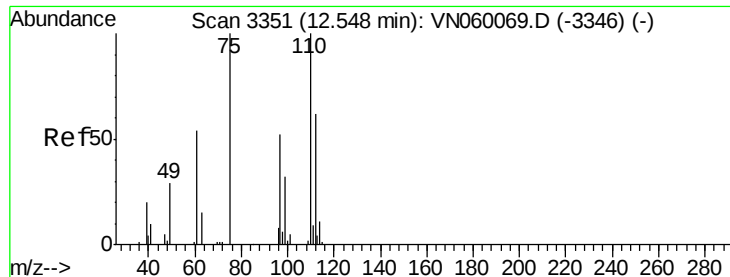
Abundance

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: 28.691 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

Instrument :

MSVOA_N

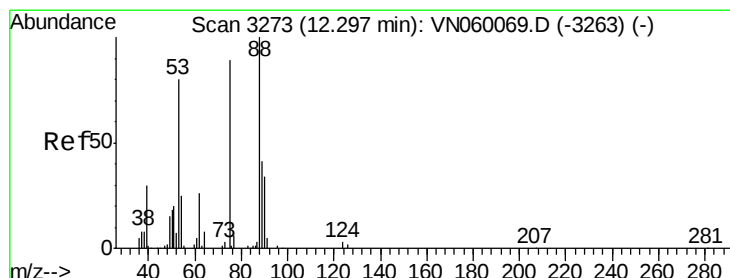
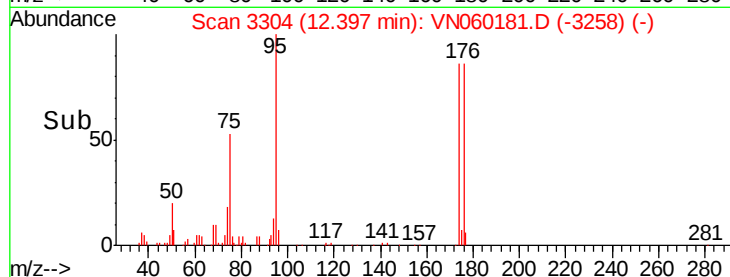
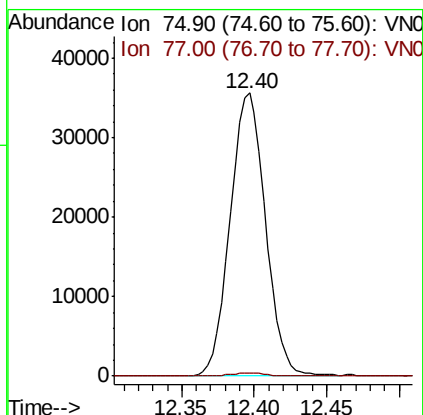
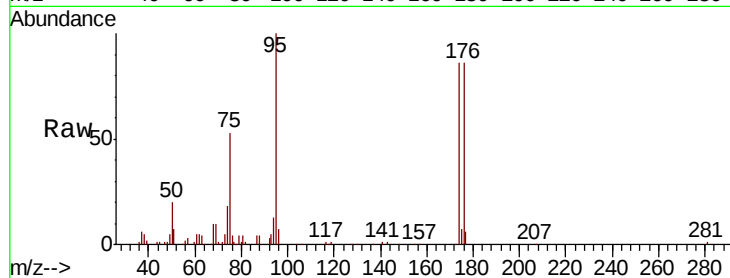
ClientSampleId :

Tot Ion: 75 Resp: 60323

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.251 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

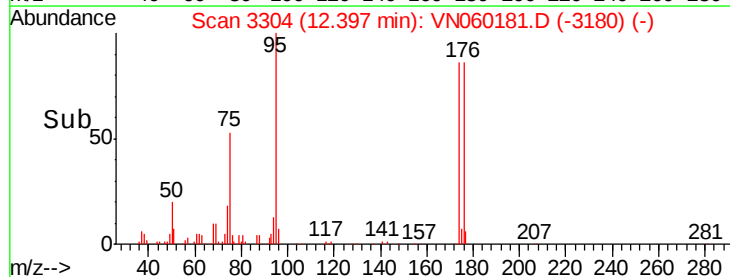
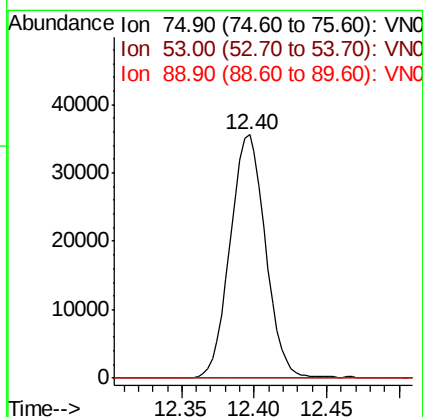
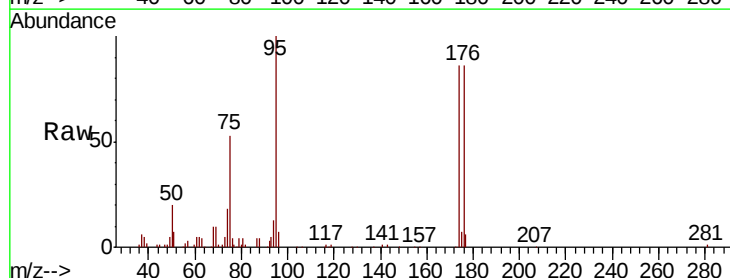
Tgt Ion: 75 Resp: 60323

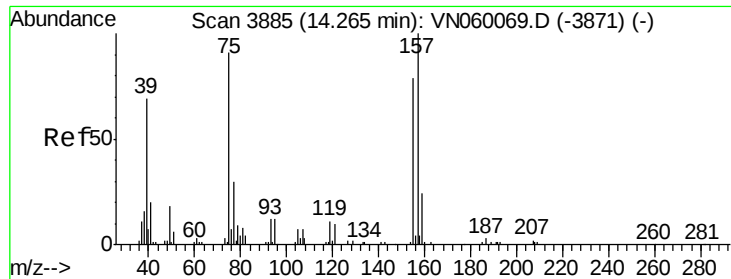
Ion Ratio Lower Upper

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: 14.37 min Scan# 3917

Delta R.T. 0.10 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

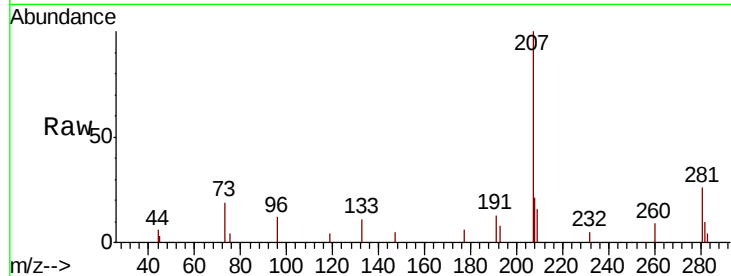
Tot Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



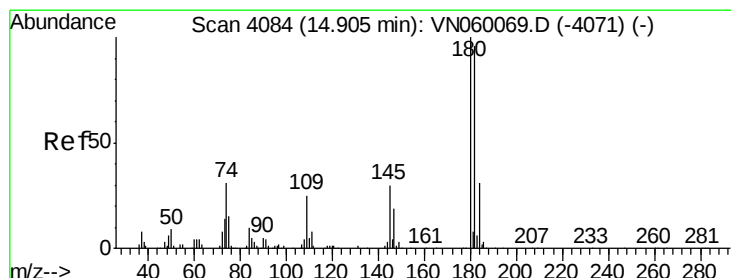
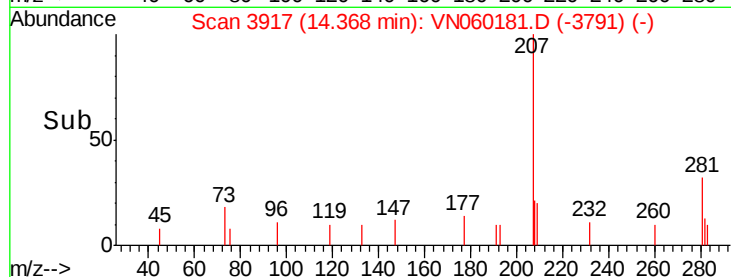
Abundance Ion 74.90 (74.60 to 75.60): VN060181.D (-3917) (-)

Ion 154.80 (154.50 to 155.50): VN060181.D (-3917) (-)

Ion 156.80 (156.50 to 157.50): VN060181.D (-3917) (-)

14.37

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.239 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

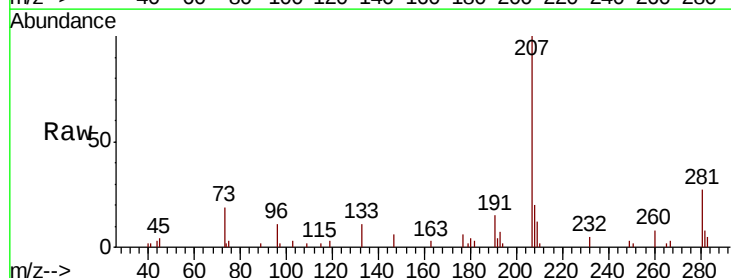
Tgt Ion: 180 Resp: 495

Ion Ratio Lower Upper

180 100

182 64.4 47.9 143.8

145 0.0 15.2 45.5#



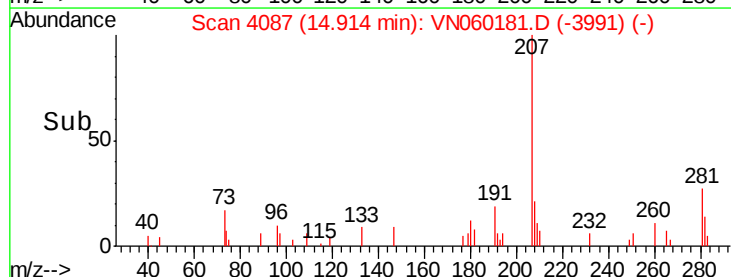
Abundance Ion 179.80 (179.50 to 180.50): VN060181.D (-3991) (-)

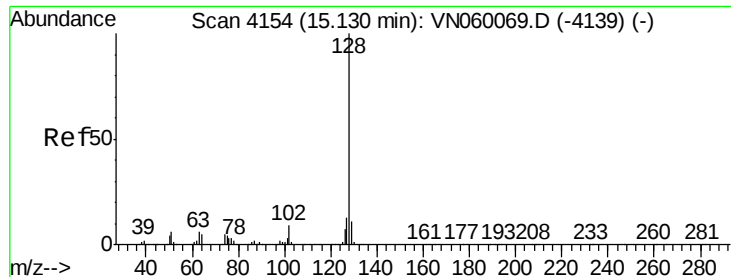
Ion 181.80 (181.50 to 182.50): VN060181.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060181.D (-3991) (-)

14.91

Time-->





#95

Naphthalene

Concen: 0.373 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

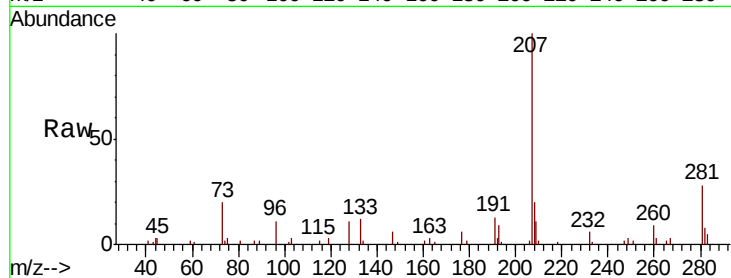
Tot Ion:128 Resp: 2088

Ion Ratio Lower Upper

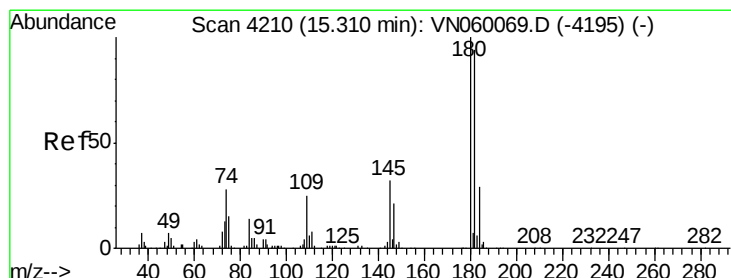
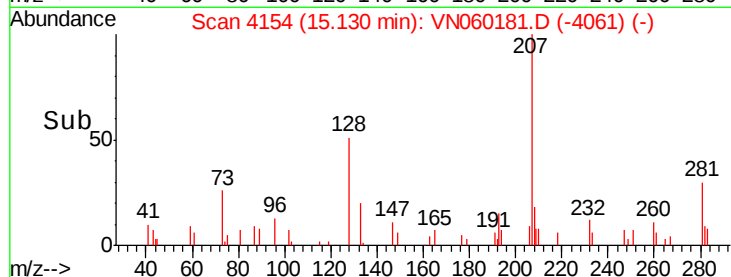
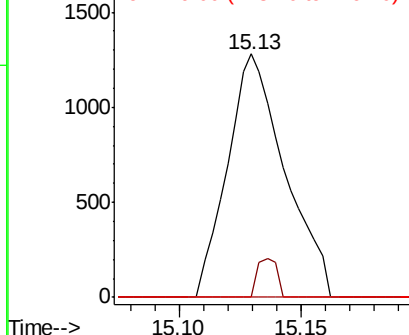
128 100

127 5.3 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: 0.382 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN060181.D

Acq: 21 Feb 2020 11:24

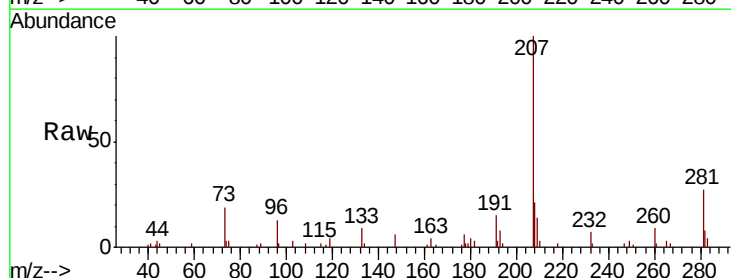
Tgt Ion:180 Resp: 789

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 3.7 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

