

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
 Data File : VN060203.D
 Acq On : 24 Feb 2020 12:38
 Operator : JC/MD
 Sample : L1610-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-SECTION-C

Quant Time: Feb 24 15:49:13 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

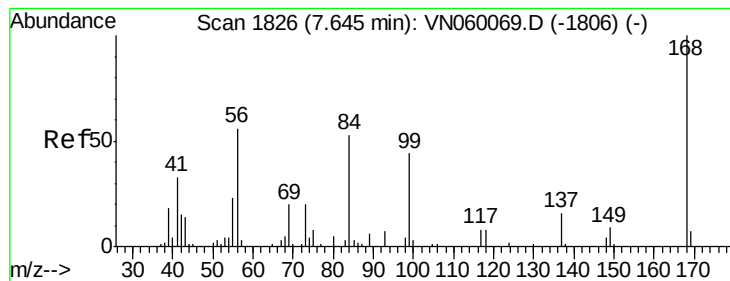
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	286231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112745	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	107279	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.57	113	87589	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.08	98	341179	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.40	95	119339	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Bromochloromethane	7.35	49	7648	5.73	ug/l #	9
30) Chloroform	7.35	83	95520	26.88	ug/l	100
31) Cyclohexane	7.65	56	3602	1.14	ug/l #	2
36) 1,1-Dichloropropene	7.64	75	12690	4.79	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17413	6.05	ug/l #	16
47) Bromodichloromethane	9.39	83	6931	2.48	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	1549	0.65	ug/l #	1
71) Bromoform	12.39	173	420	0.26	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	61826	28.66	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61826	70.18	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.33	75	60	Below Cal	#	1
95) Naphthalene	15.14	128	1159	0.20	ug/l #	69

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
Data File : VN060203.D
Acq On    : 24 Feb 2020 12:38
Operator  : JC/MD
Sample    : L1610-02
Misc      : 5.00mL/MSVOA_N/WATER
ALS Vial  : 9    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

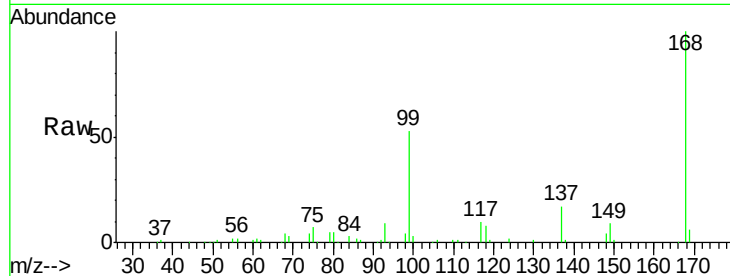
T1-SECTION-C

Tgt Ion:168 Resp: 183622

Ion Ratio Lower Upper

168 100

99 53.2 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

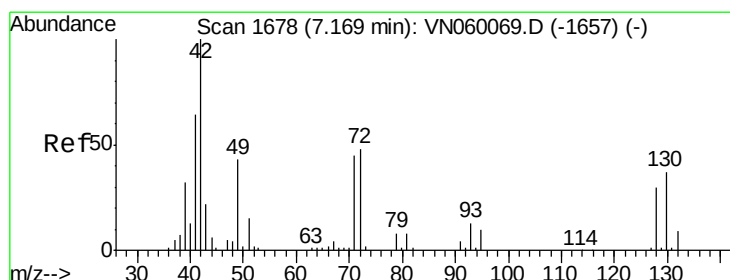
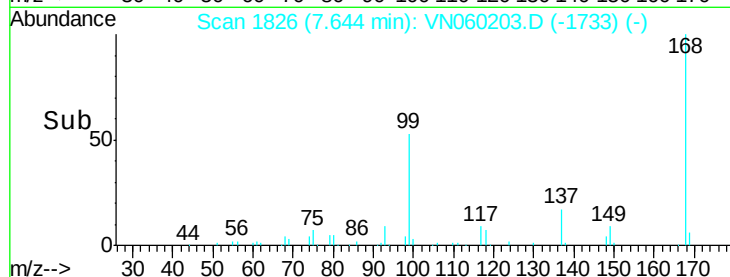
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#28

Bromochloromethane

Concen: 5.73 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.18 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

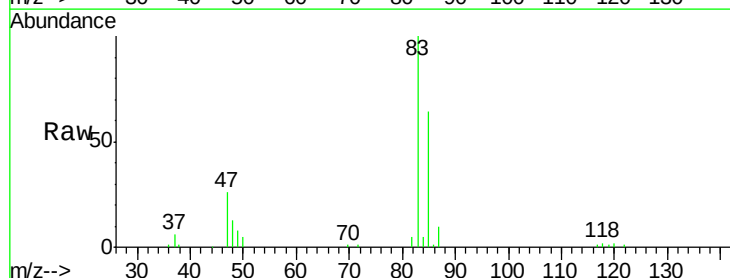
Tgt Ion: 49 Resp: 7648

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

4000

3000

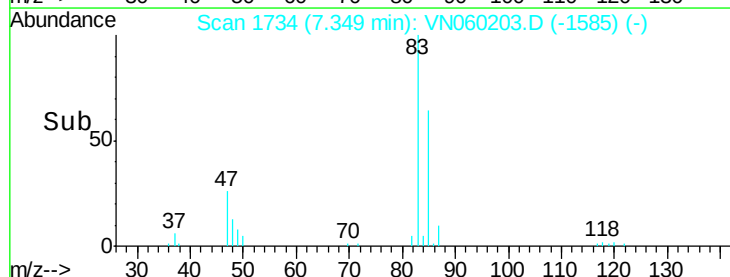
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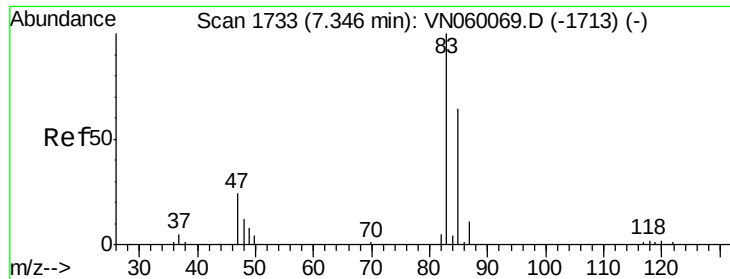
1000

0

7.30 7.35 7.40

Time-->

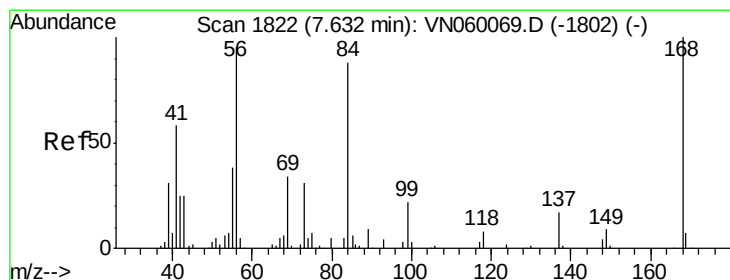
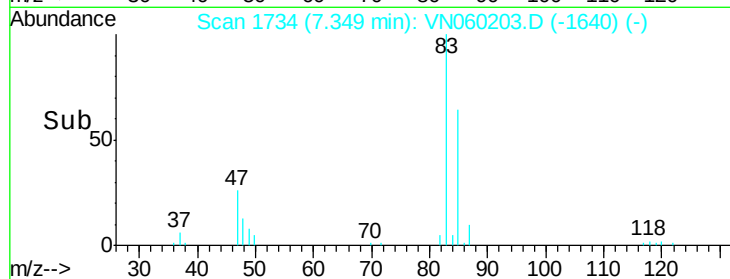
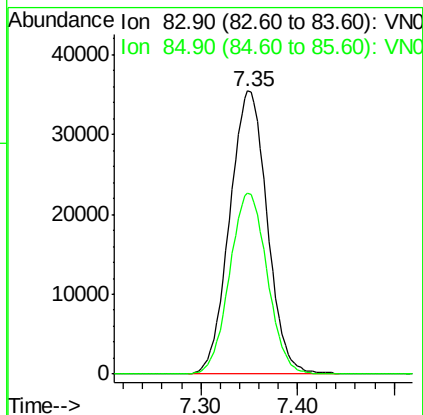
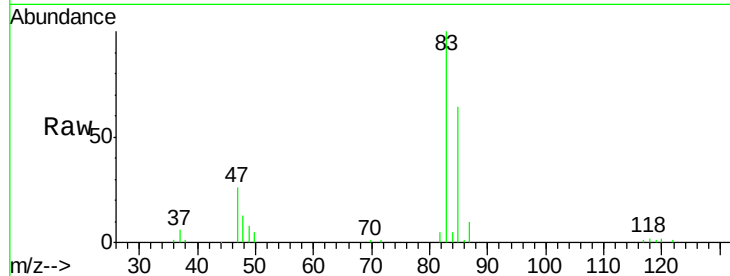




#30
Chloroform
Concen: 26.88 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060203.D
Acq: 24 Feb 2020 12:38

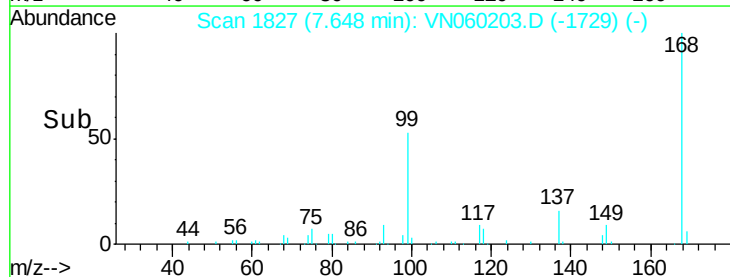
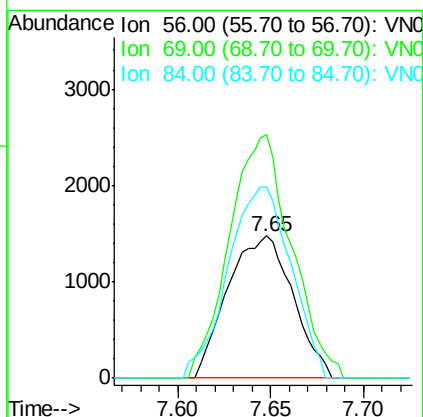
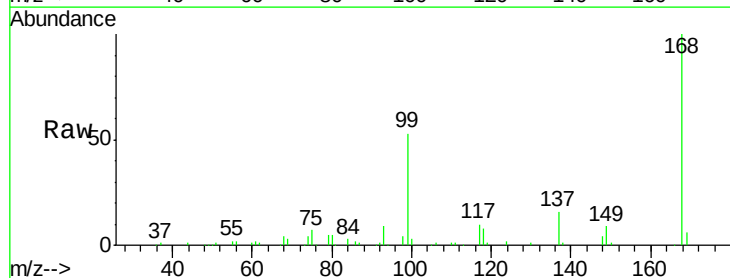
Instrument :
MSVOA_N
ClientSampleId :
T1-SECTION-C

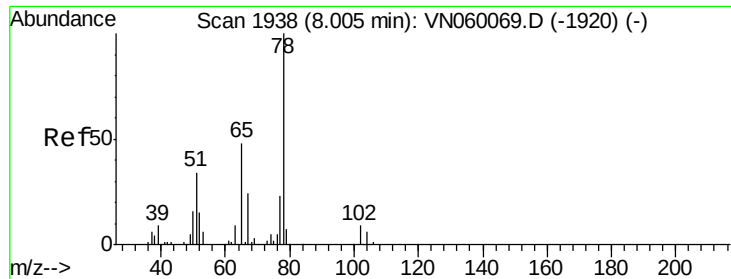
Tgt Ion: 83 Resp: 95520
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN060203.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 56 Resp: 3602
Ion Ratio Lower Upper
56 100
69 171.0 28.3 42.5#
84 133.8 72.6 108.8#

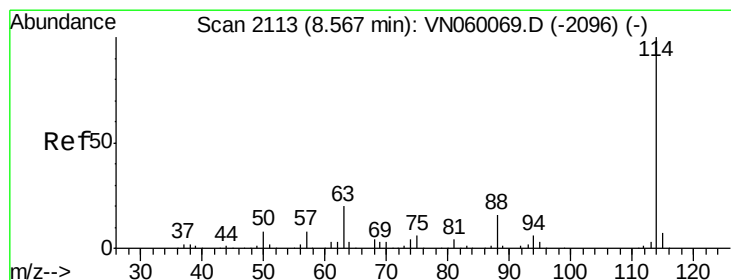
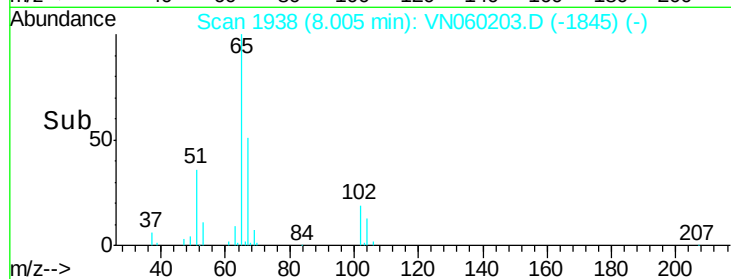
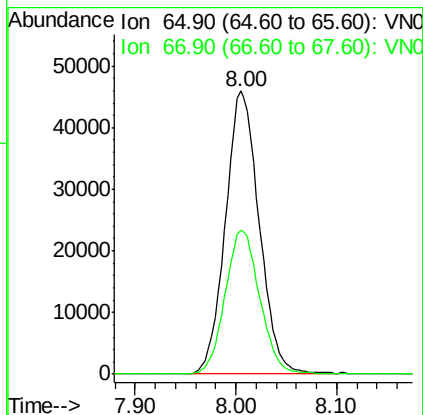
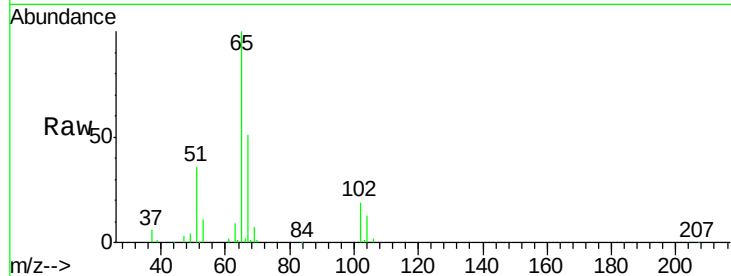




#33
 1,2-Dichloroethane-d4
 Concen: 48.01 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060203.D
 Acq: 24 Feb 2020 12:38

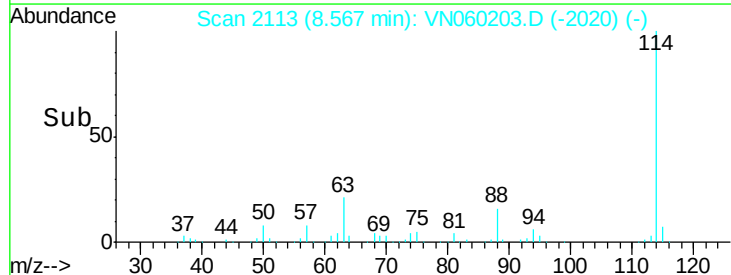
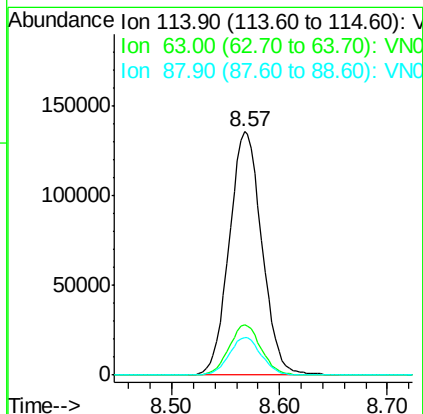
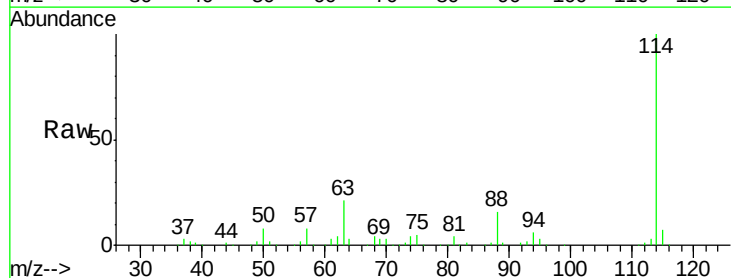
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-SECTION-C

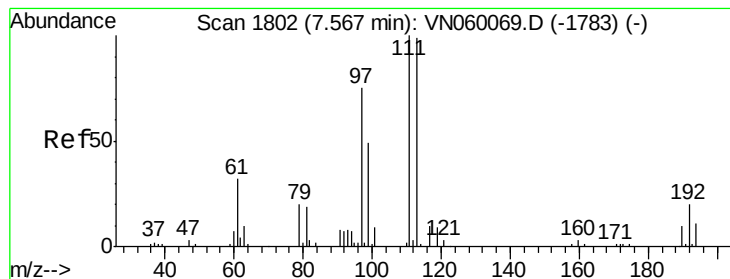
Tgt Ion: 65 Resp: 107279
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060203.D
 Acq: 24 Feb 2020 12:38

Tgt Ion: 114 Resp: 286231
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.0
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.78 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

T1-SECTION-C

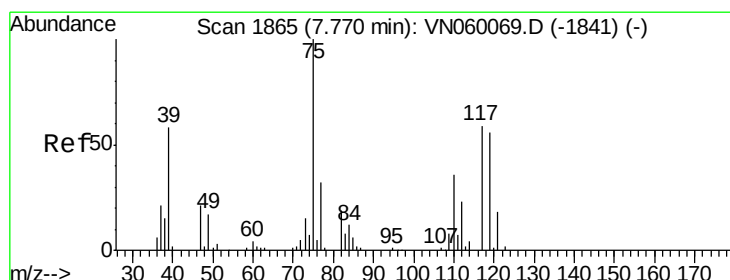
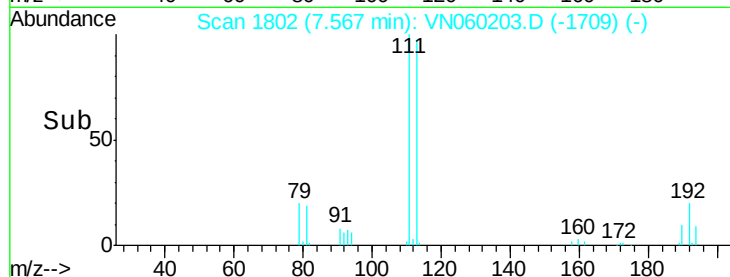
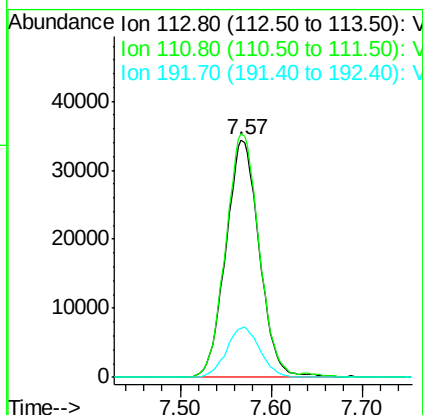
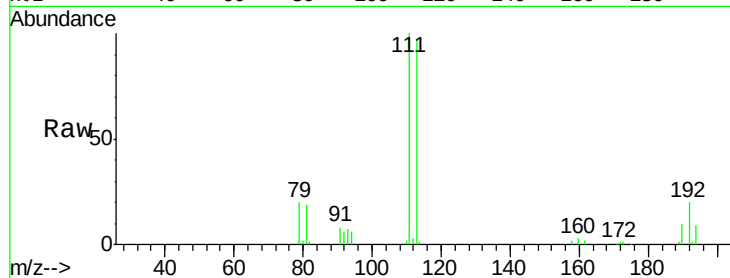
Tgt Ion: 113 Resp: 87589

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

192 21.1 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.79 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

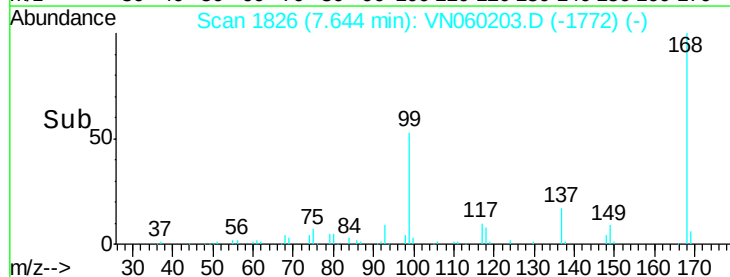
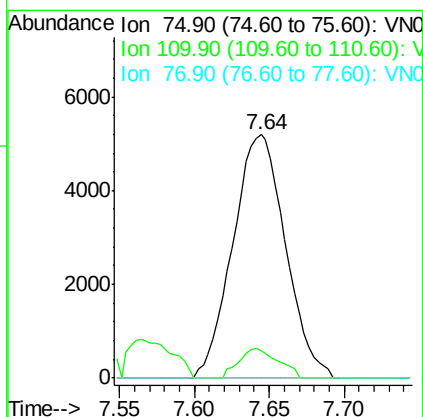
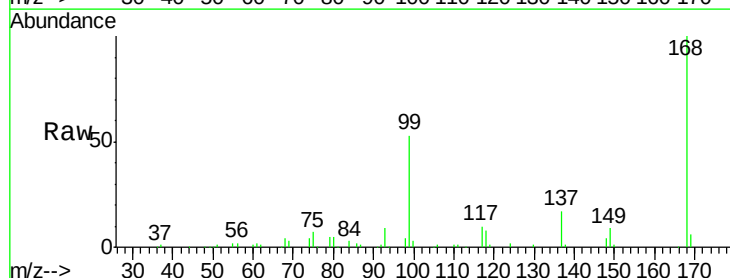
Tgt Ion: 75 Resp: 12690

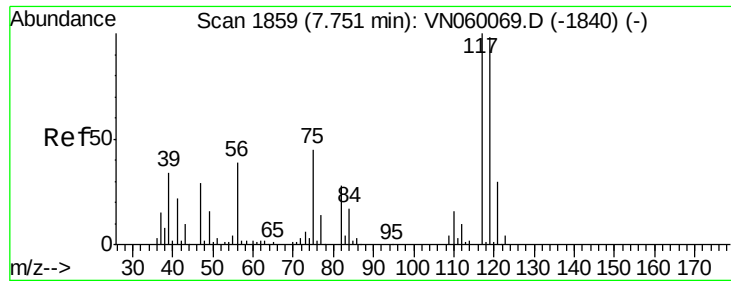
Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.3#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.05 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

T1-SECTION-C

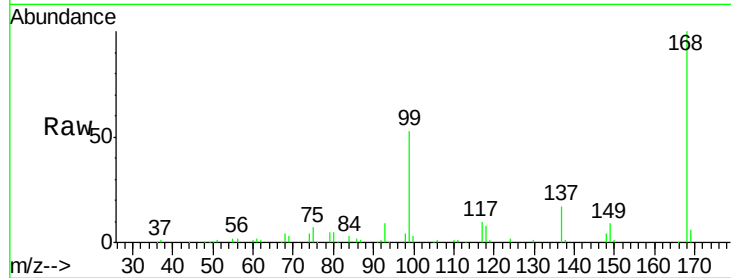
Tgt Ion:117 Resp: 17413

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.4#

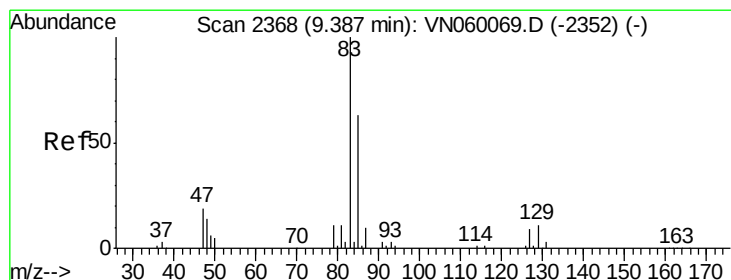
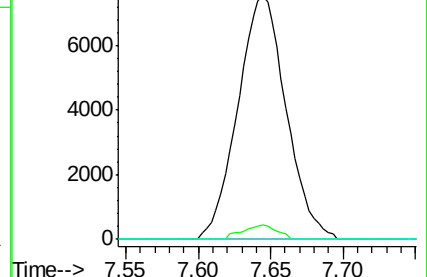
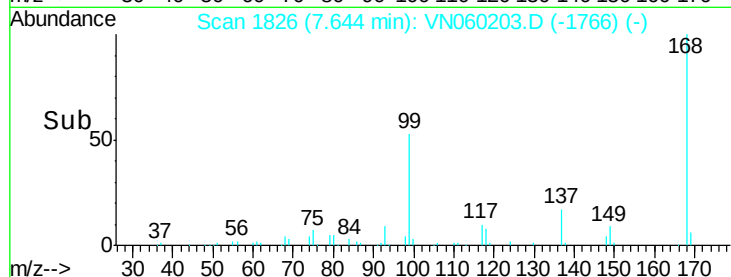
121 0.0 24.2 36.2#



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



#47

Bromodichloromethane

Concen: 2.48 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

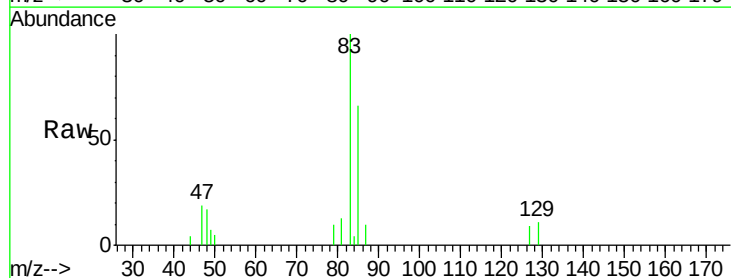
Tgt Ion: 83 Resp: 6931

Ion Ratio Lower Upper

83 100

85 66.5 50.6 75.8

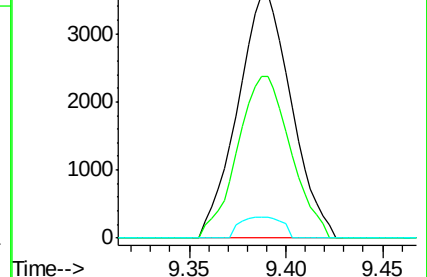
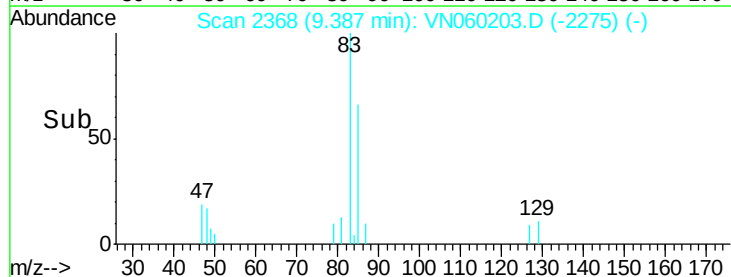
127 8.6 7.0 10.6

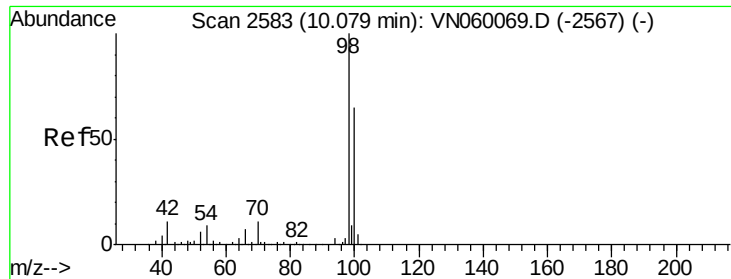


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

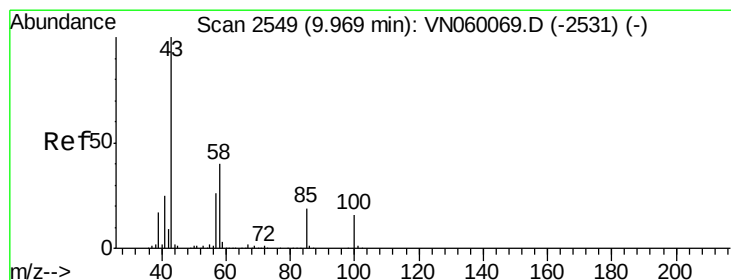
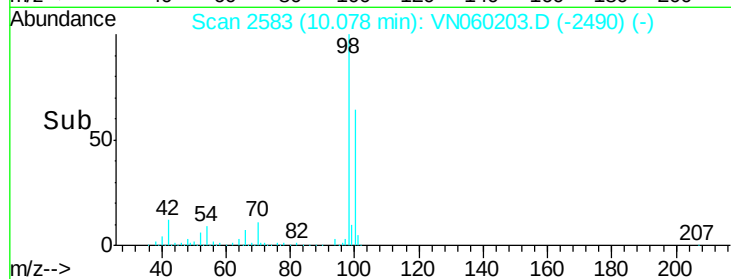
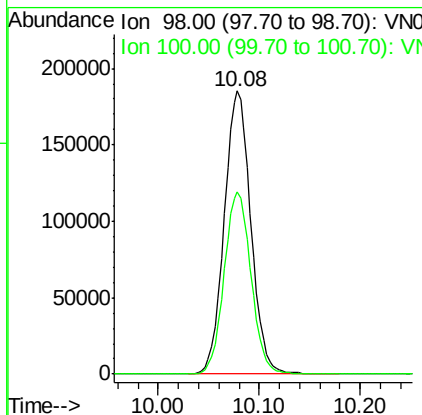
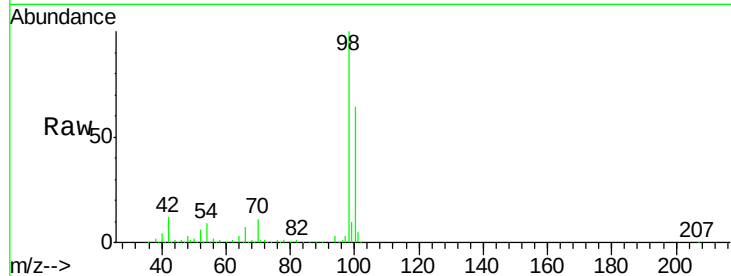




#50
Toluene-d8
Concen: 49.24 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060203.D
Acq: 24 Feb 2020 12:38

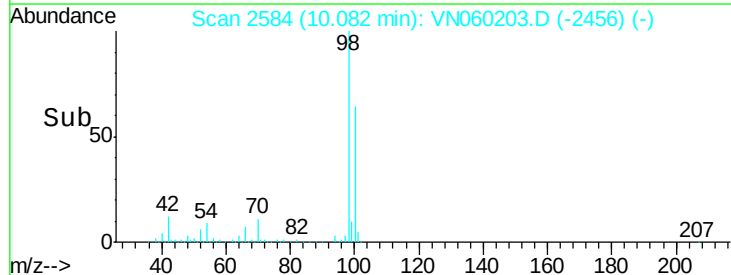
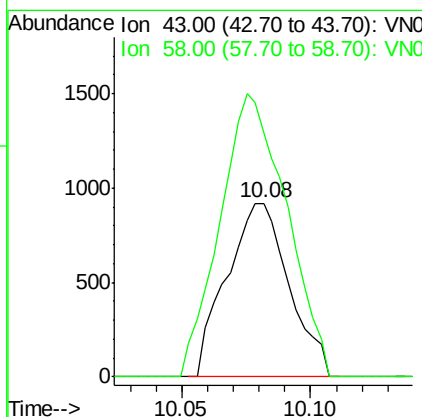
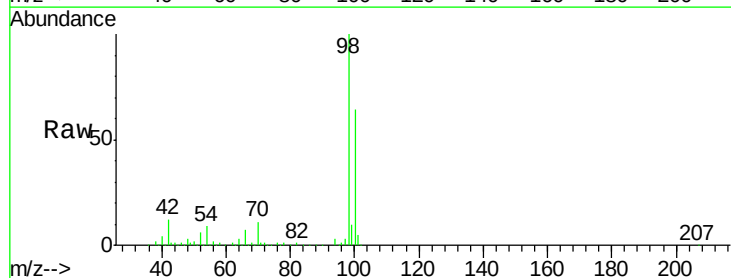
Instrument :
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T1-SECTION-C

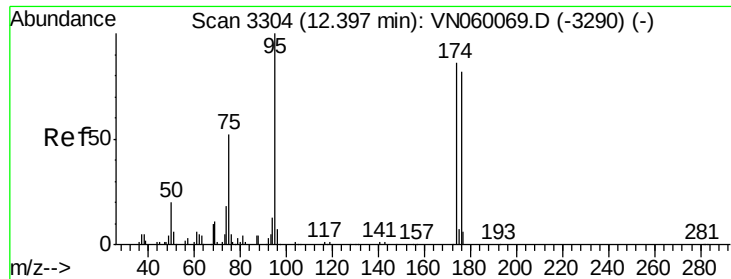
Tgt Ion: 98 Resp: 341179
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.11 min
Lab File: VN060203.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 43 Resp: 1549
Ion Ratio Lower Upper
43 100
58 174.1 31.8 47.8#





#62

4-Bromofluorobenzene

Concen: 46.87 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

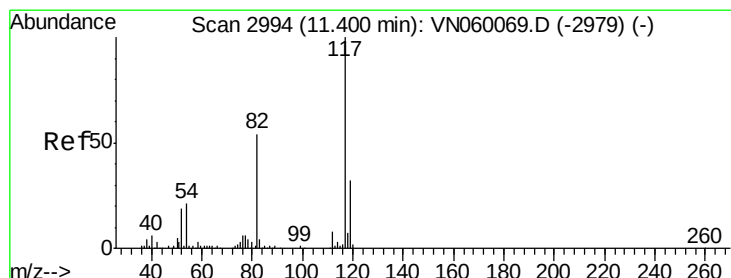
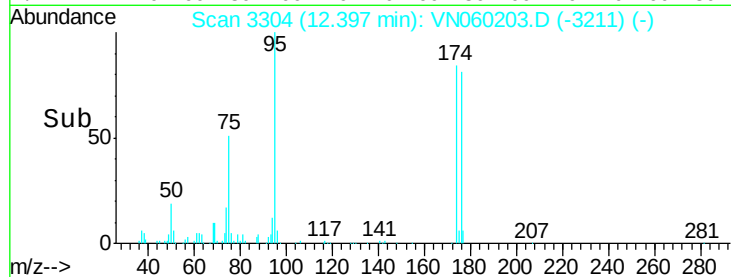
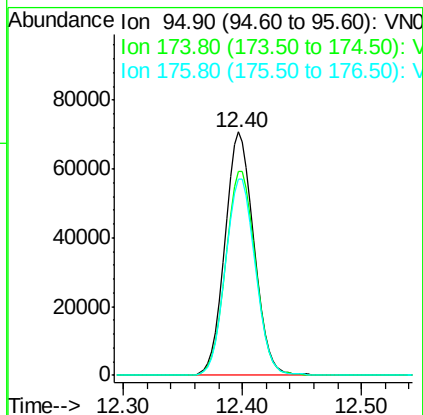
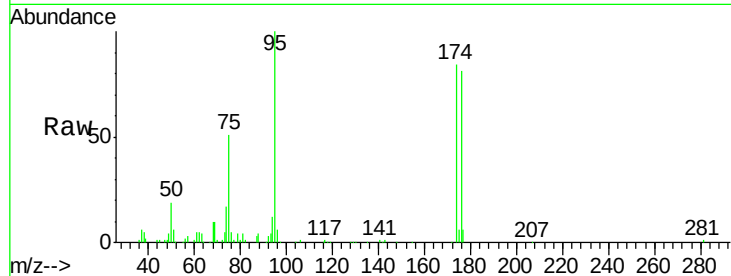
Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:	95	Resp:	119339
Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	169.8
176	83.4	0.0	164.8



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

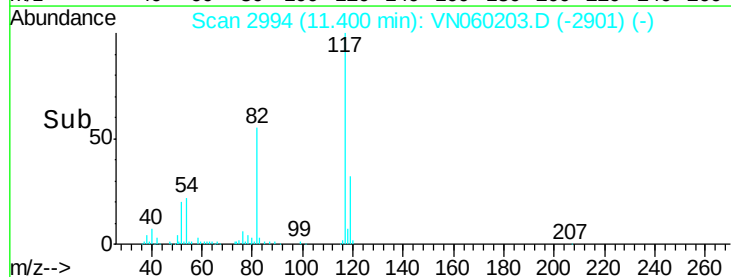
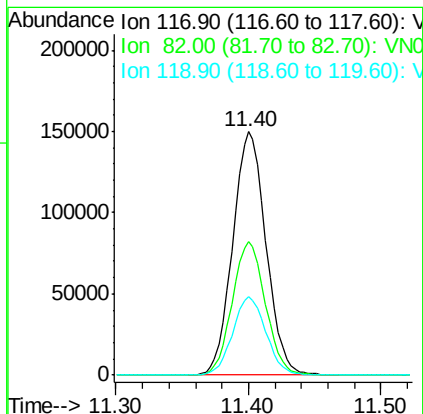
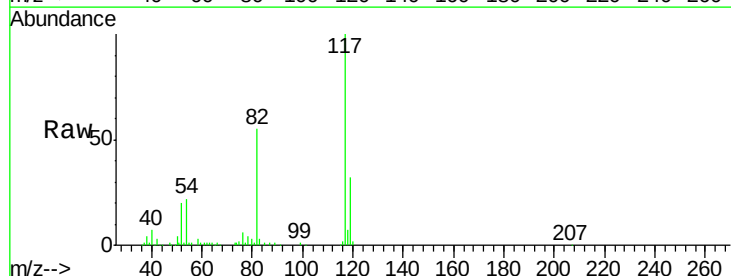
RT: 11.40 min Scan# 2994

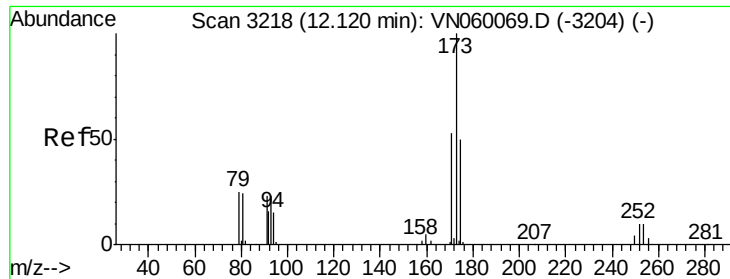
Delta R.T. -0.00 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

Tgt Ion:	117	Resp:	261083
Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.4	65.0
119	32.0	25.8	38.6

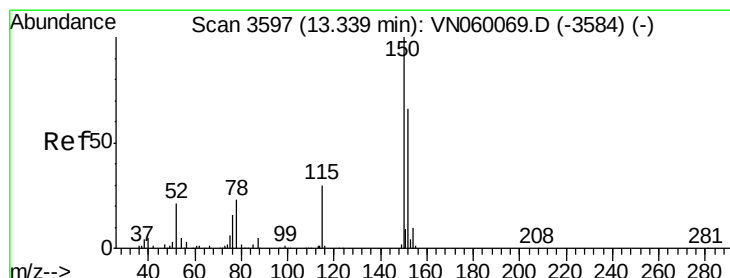
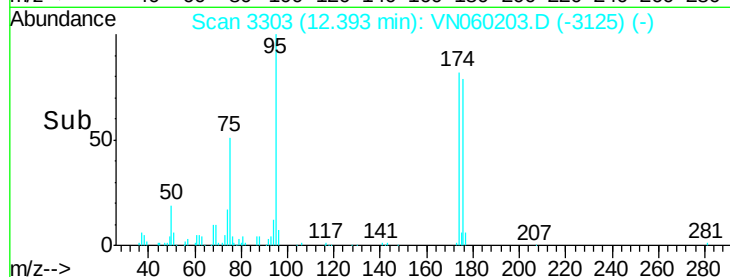
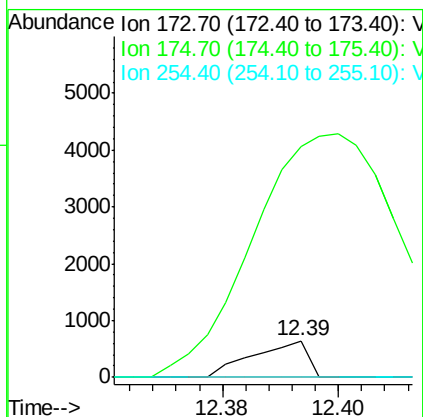
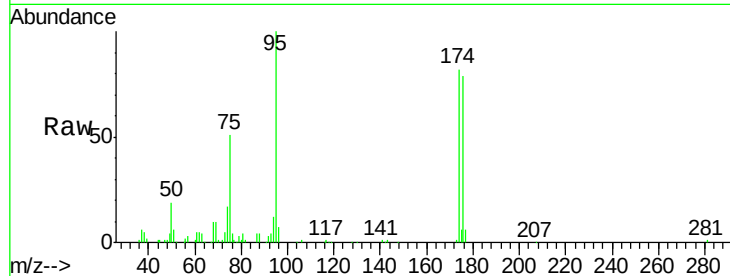




#71
Bromoform
Concen: 0.26 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060203.D
Acq: 24 Feb 2020 12:38

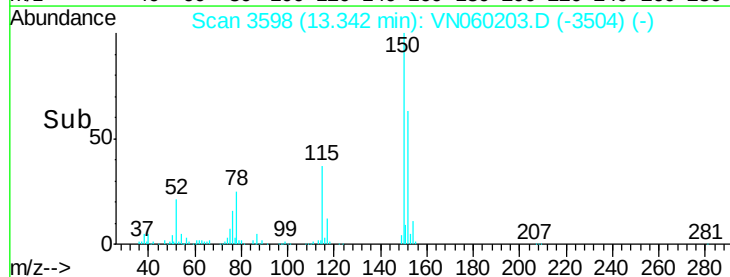
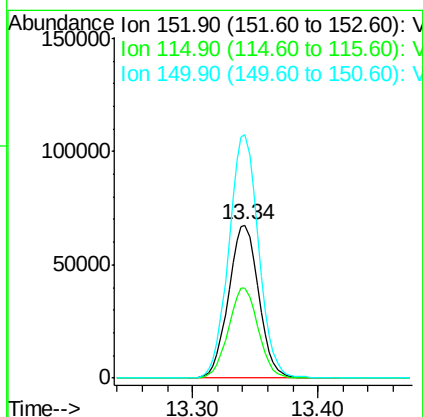
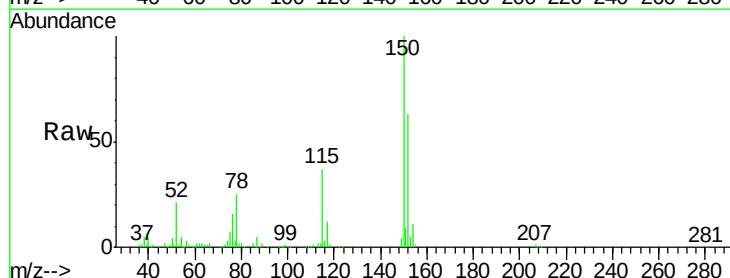
Instrument :
MSVOA_N
ClientSampleId :
T1-SECTION-C

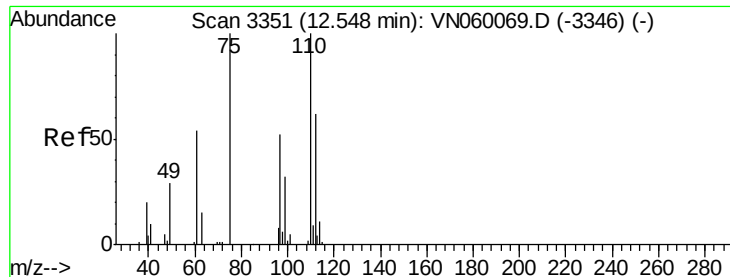
Tgt Ion:173 Resp: 420
Ion Ratio Lower Upper
173 100
175 1454.5 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060203.D
Acq: 24 Feb 2020 12:38

Tgt Ion:152 Resp: 112745
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 157.3 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 28.66 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

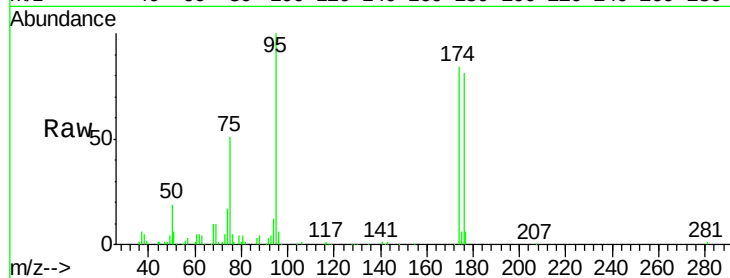
T1-SECTION-C

Tgt Ion: 75 Resp: 61826

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

40000

30000

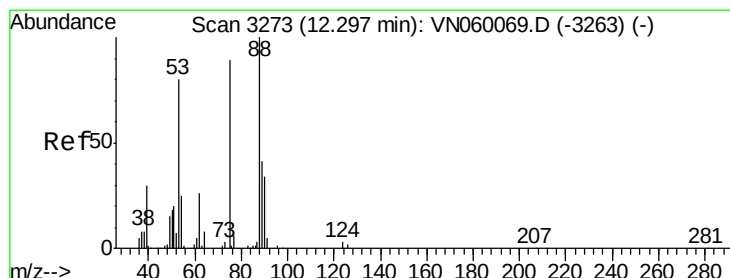
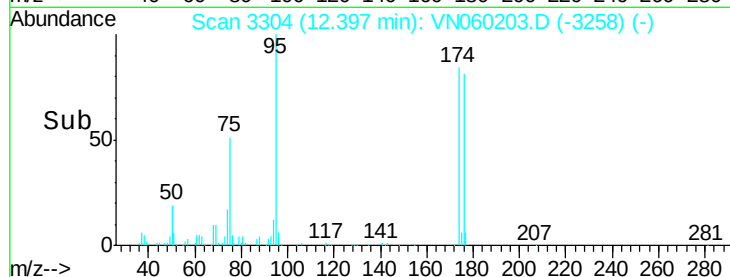
20000

10000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 70.18 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060203.D

Acq: 24 Feb 2020 12:38

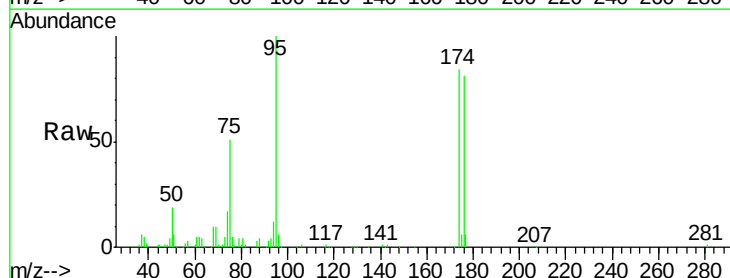
Tgt Ion: 75 Resp: 61826

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

50000

40000

30000

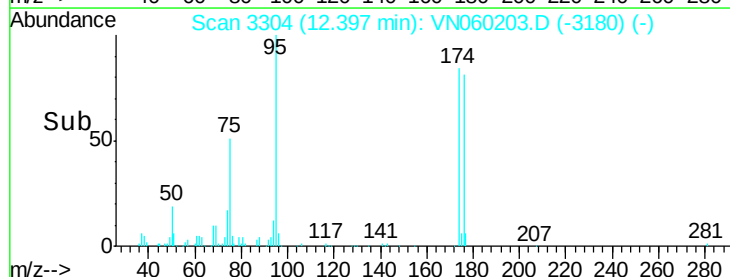
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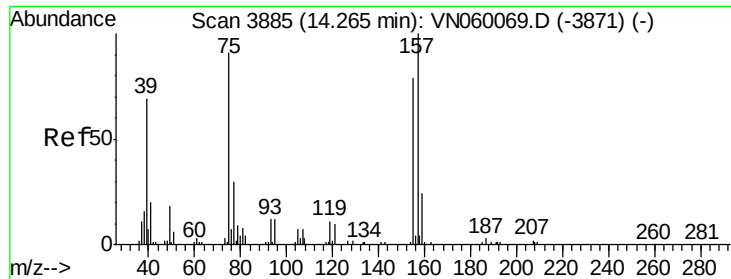
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0

12.35 12.40 12.45

Time-->

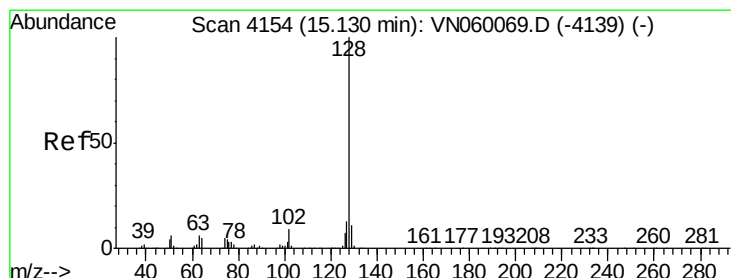
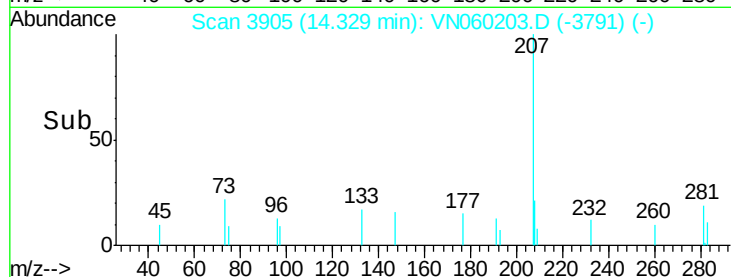
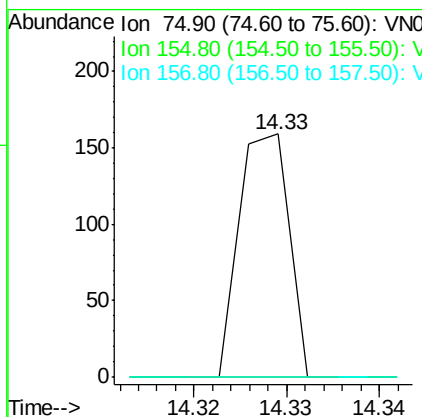
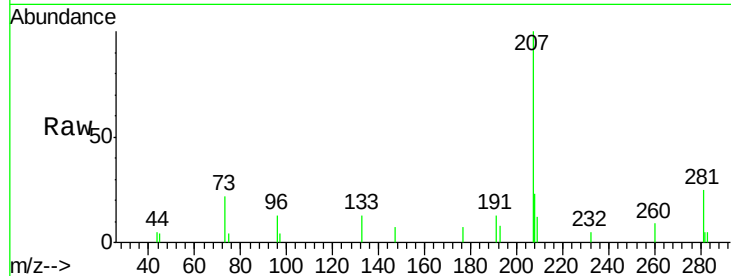




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.33 min Scan# 3905
 Delta R.T. 0.07 min
 Lab File: VN060203.D
 Acq: 24 Feb 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-SECTION-C

Tgt Ion: 75 Resp: 60
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#



#95
 Naphthalene
 Concen: 0.20 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN060203.D
 Acq: 24 Feb 2020 12:38

Tgt Ion: 128 Resp: 1159
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#

