

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064902.D
 Acq On : 3 Dec 2020 16:38
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.01µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 04 03:00:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	172647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	313504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	103608	51.62	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.24%
35) Dibromofluoromethane	7.55	113	96467	53.26	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.52%
50) Toluene-d8	10.06	98	380095	51.36	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.72%
62) 4-Bromofluorobenzene	12.38	95	148483	56.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.12%

Target Compounds

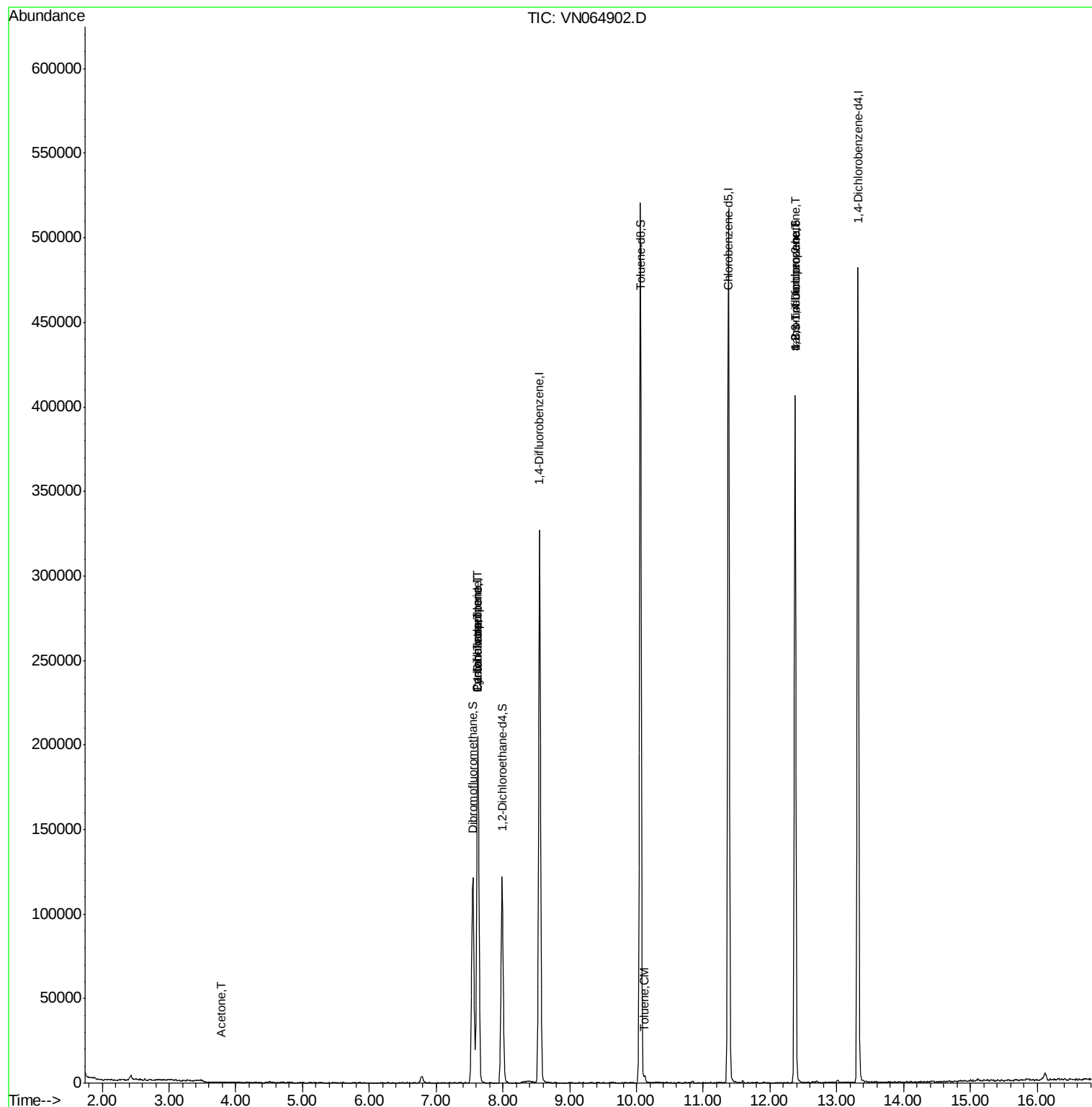
					Qvalue	
16) Acetone	3.78	43	531	0.805	ug/l #	43
31) Cyclohexane	7.62	56	2888	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11569	4.123	ug/l #	50
38) Carbon Tetrachloride	7.63	117	15679	5.370	ug/l #	17
52) Toluene	10.13	92	1777	0.336	ug/l	96
76) 1,2,3-Trichloropropane	12.38	75	68942	23.097	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68942	63.303	ug/l #	15

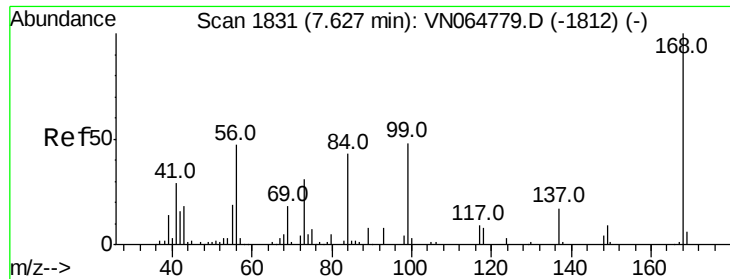
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120320\
Data File : VN064902.D
Acq On : 3 Dec 2020 16:38
Operator : JC/MD
Sample : IBLK
Misc : 5.01a/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Dec 04 03:00:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064902.D

Acq: 3 Dec 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

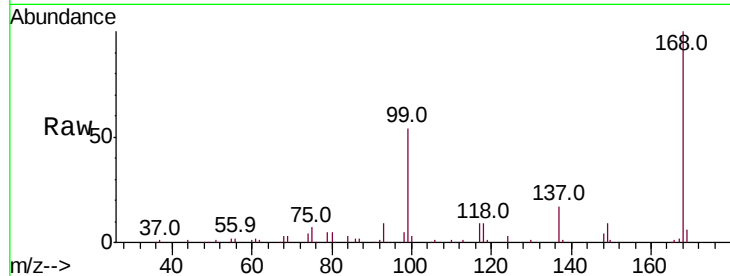
IBLK

Tot Ion:168 Resp: 172647

Ion Ratio Lower Upper

168 100

99 54.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

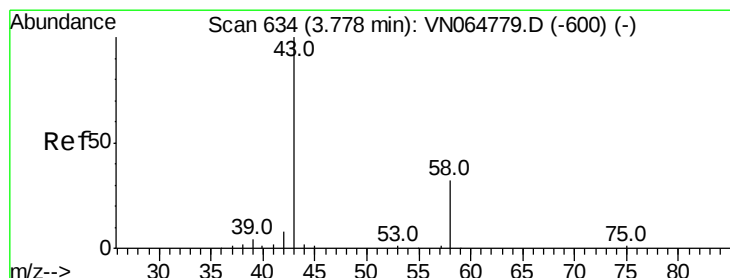
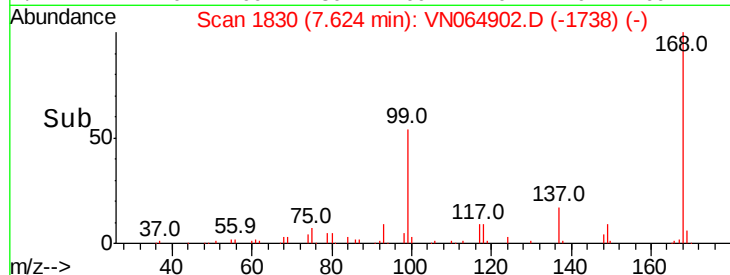
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.805 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064902.D

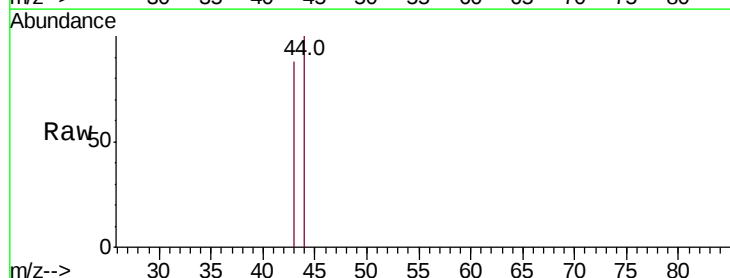
Acq: 3 Dec 2020 16:38

Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

400

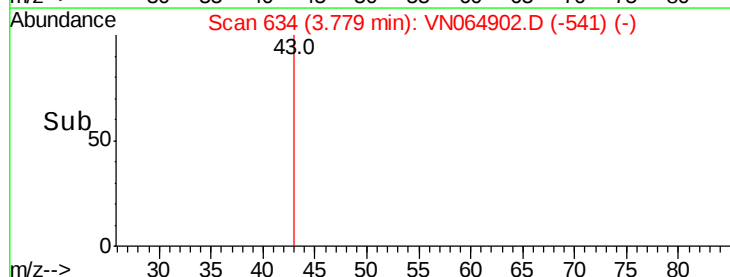
300

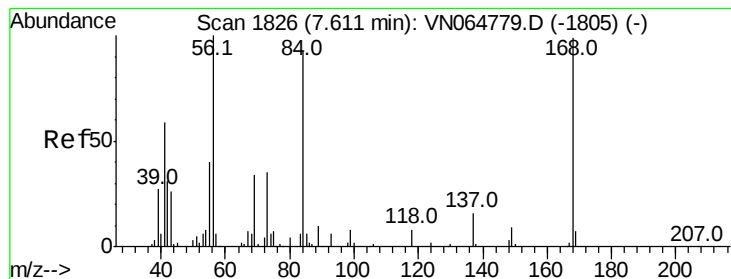
200

100

0

Time--> 3.74 3.76 3.78 3.80





#31

Cyclohexane

Concen: 1.032 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064902.D

Acq: 3 Dec 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

IBLK

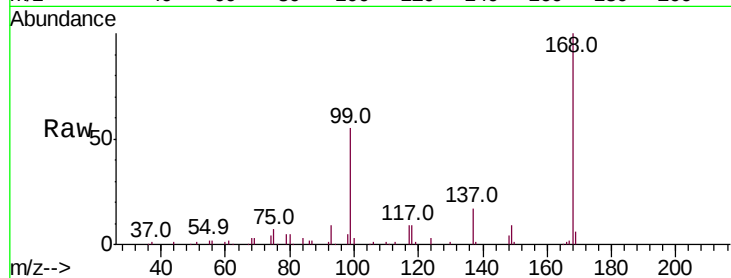
Tot Ion: 56 Resp: 2888

Ion Ratio Lower Upper

56 100

69 199.5 27.5 41.3#

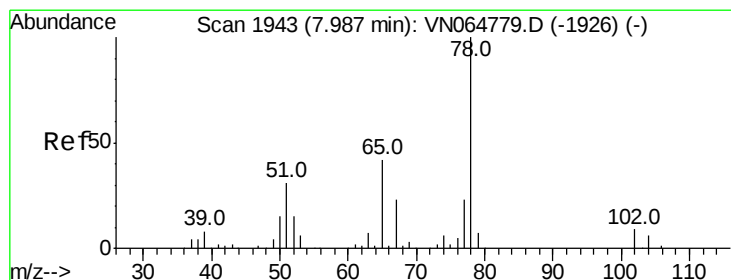
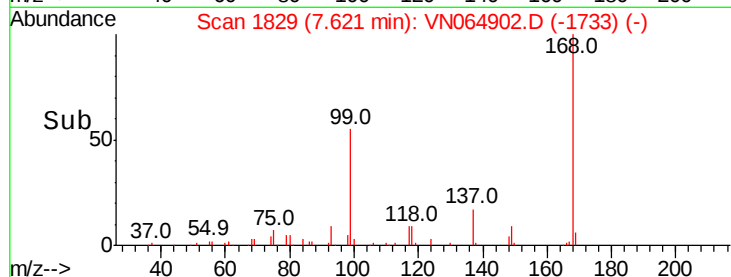
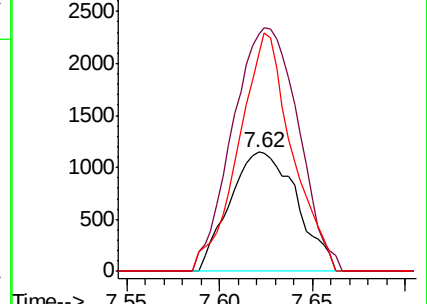
84 183.7 73.9 110.9#



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



#33

1,2-Dichloroethane-d4

Concen: 51.620 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064902.D

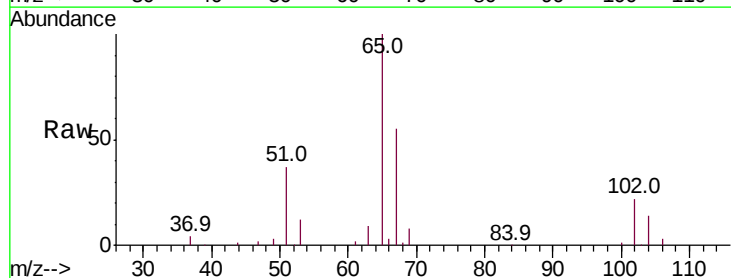
Acq: 3 Dec 2020 16:38

Tgt Ion: 65 Resp: 103608

Ion Ratio Lower Upper

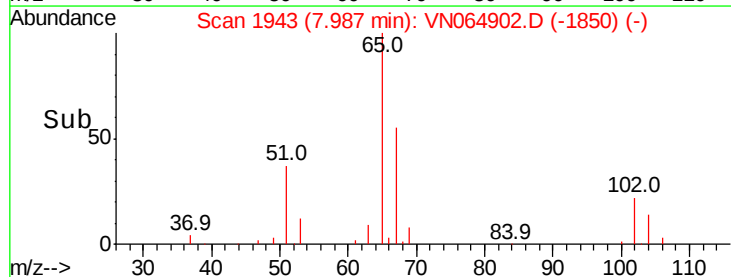
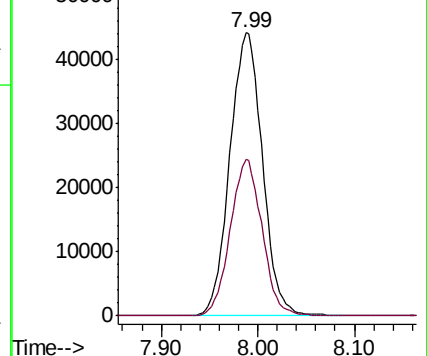
65 100

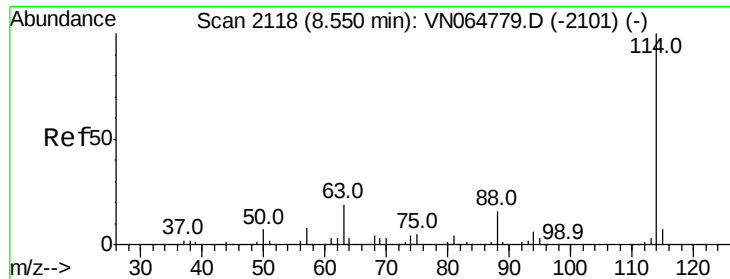
67 53.8 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

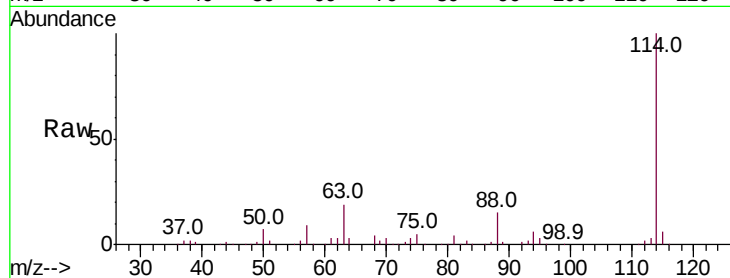




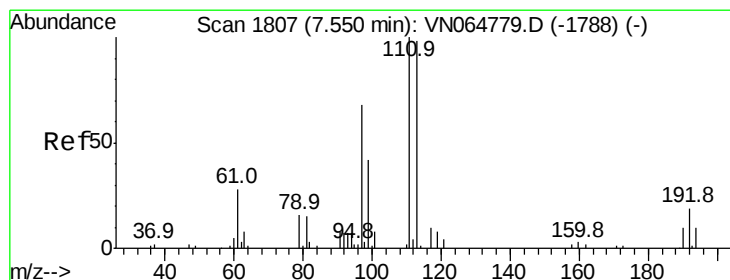
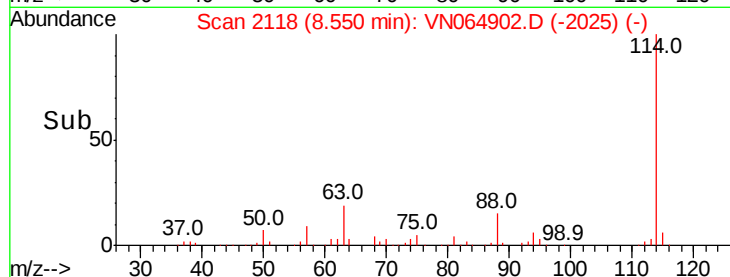
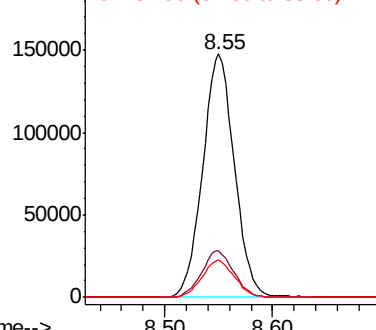
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064902.D
 Acq: 3 Dec 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.6
88	15.3	0.0	32.6

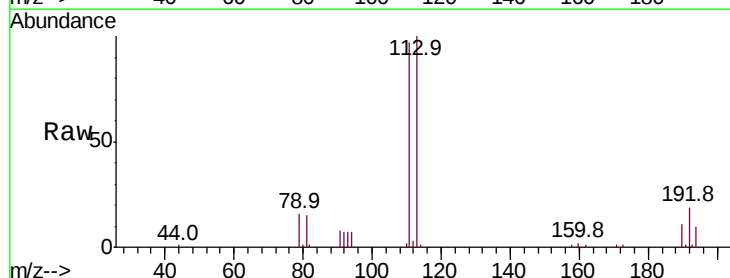


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

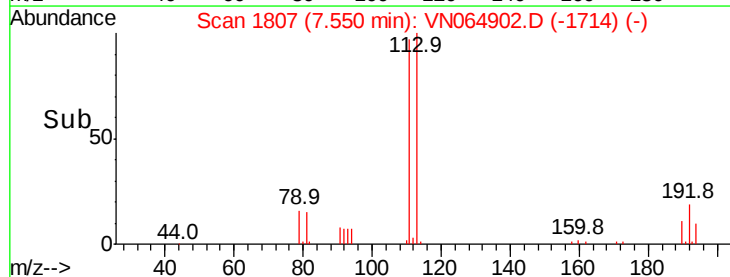
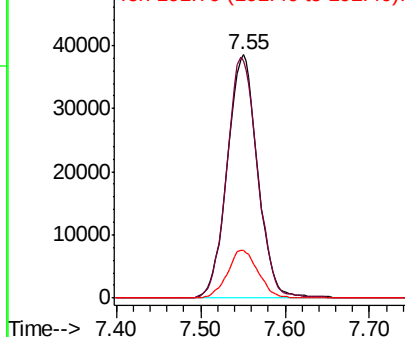


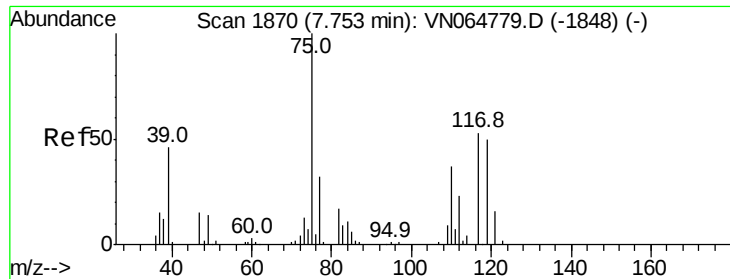
#35
 Dibromofluoromethane
 Concen: 53.257 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064902.D
 Acq: 3 Dec 2020 16:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.4	81.6	122.4
192	19.7	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: 4.123 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064902.D

Acq: 3 Dec 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

IBLK

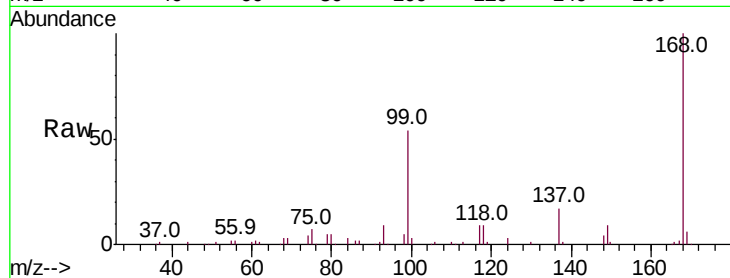
Tot Ion: 75 Resp: 11569

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

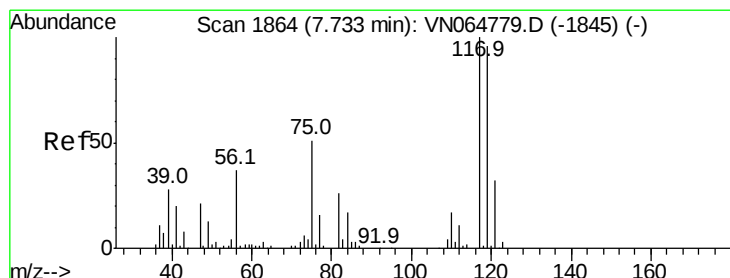
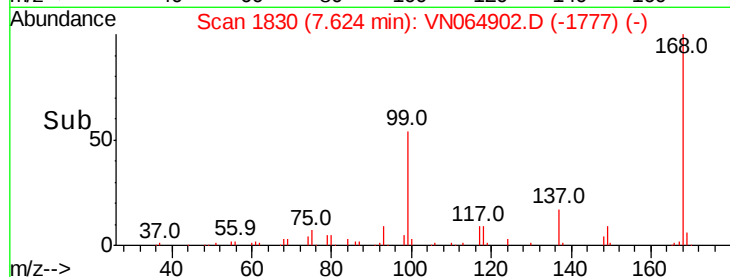
7.62

4000

2000

0

Time-->



#38

Carbon Tetrachloride

Concen: 5.370 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064902.D

Acq: 3 Dec 2020 16:38

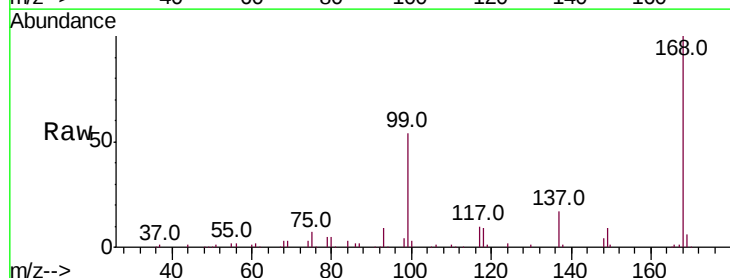
Tgt Ion: 117 Resp: 15679

Ion Ratio Lower Upper

117 100

119 6.2 76.7 115.1#

121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)

7.63

8000

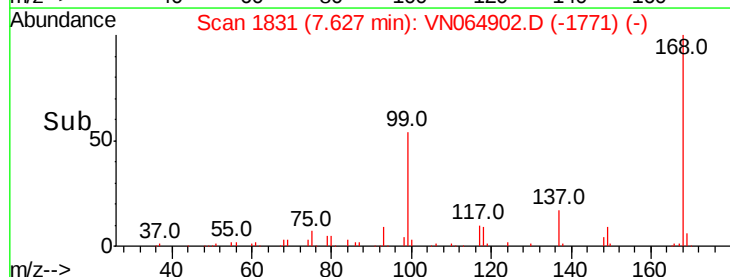
6000

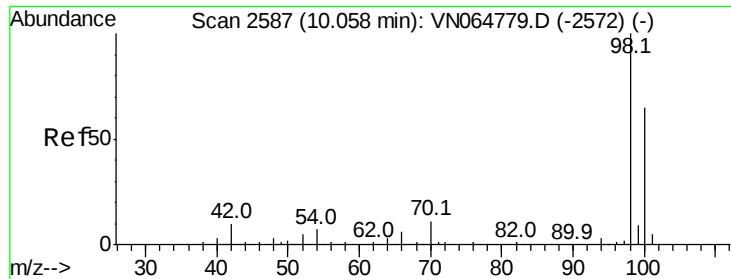
4000

2000

0

Time-->





#50

Toluene-d8

Concen: 51.357 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064902.D

Acq: 3 Dec 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

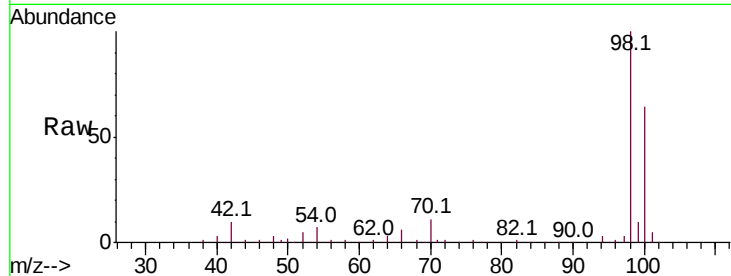
IBLK

Tot Ion: 98 Resp: 380095

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

150000

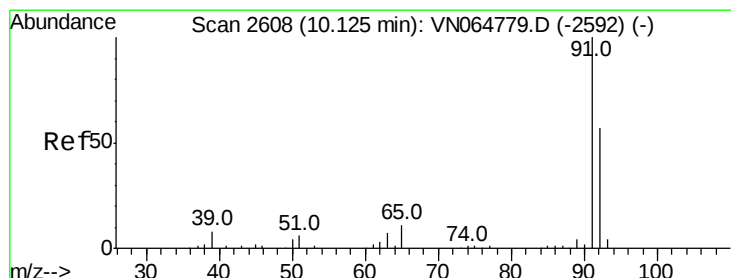
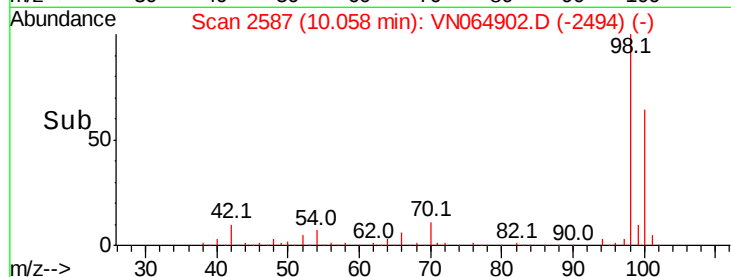
100000

50000

0

10.00 10.10 10.20

Time-->



#52

Toluene

Concen: 0.336 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064902.D

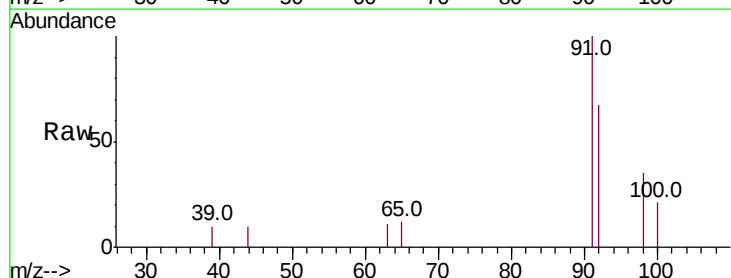
Acq: 3 Dec 2020 16:38

Tgt Ion: 92 Resp: 1777

Ion Ratio Lower Upper

92 100

91 179.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

10.13

1500

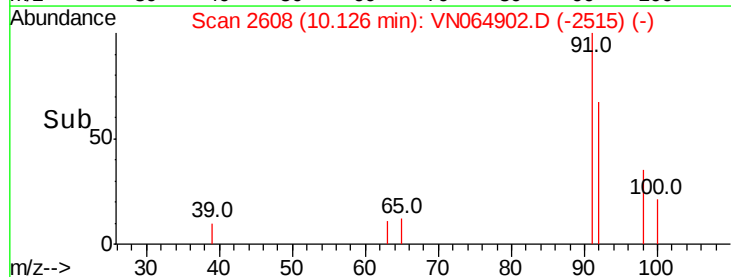
1000

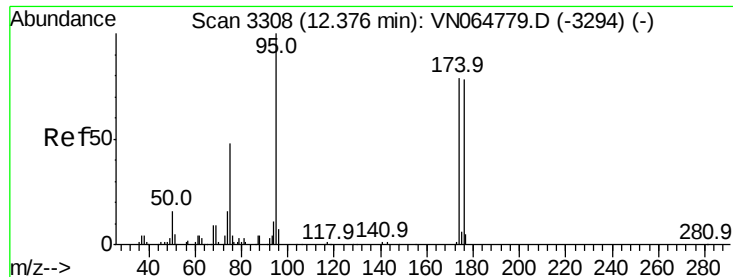
500

0

10.10 10.15

Time-->

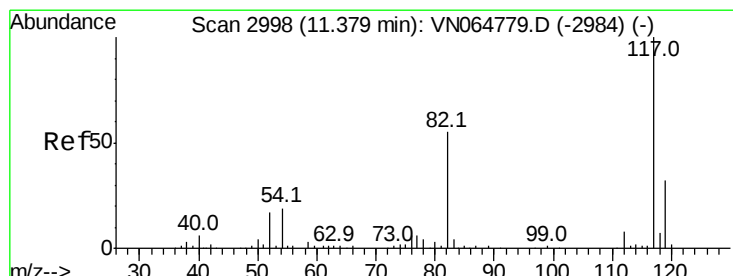
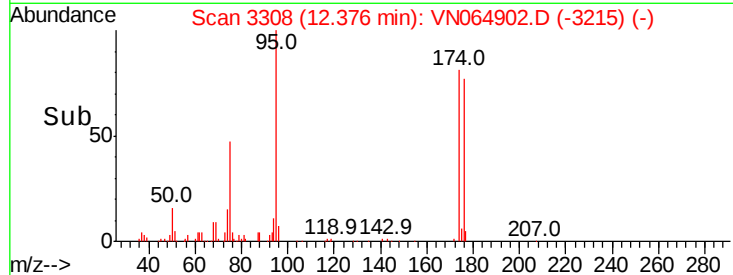
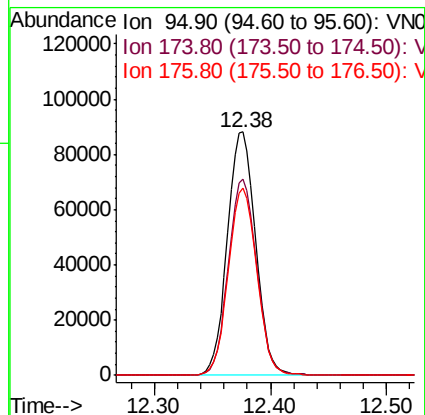
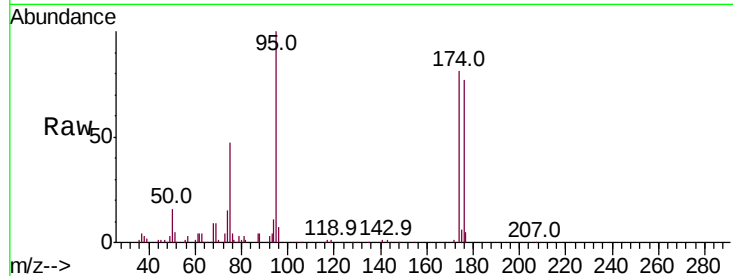




#62
4-Bromofluorobenzene
Concen: 56.059 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064902.D
Acq: 3 Dec 2020 16:38

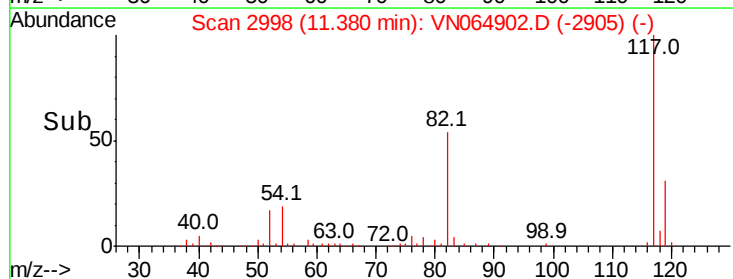
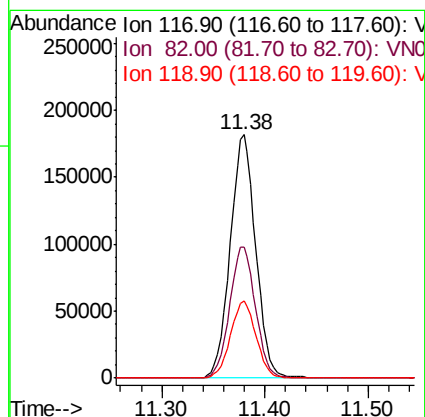
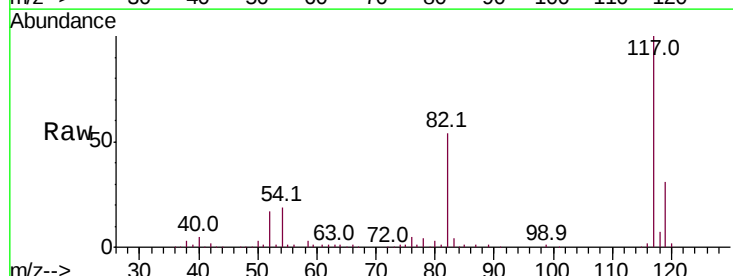
Instrument :
MSVOA_N
ClientSampleId :
IBLK

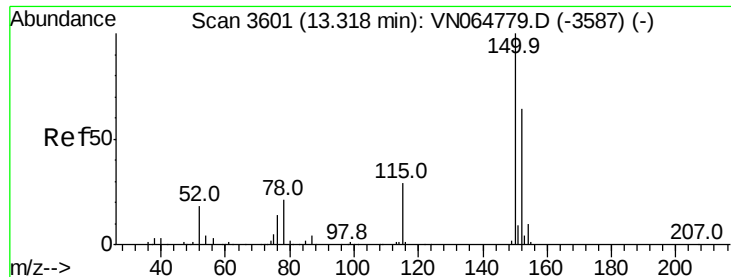
Tot Ion: 95 Resp: 148483
Ion Ratio Lower Upper
95 100
174 80.5 0.0 160.4
176 77.3 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064902.D
Acq: 3 Dec 2020 16:38

Tgt Ion: 117 Resp: 313504
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 31.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064902.D

Acq: 3 Dec 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

IBLK

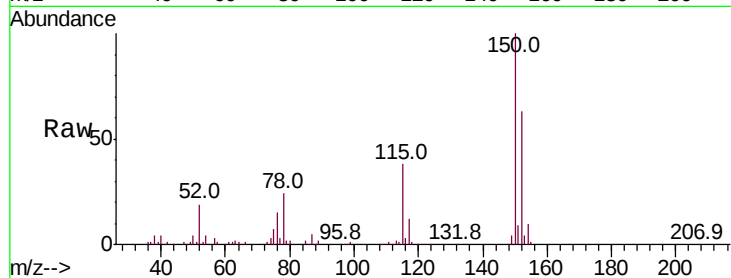
Tot Ion:152 Resp: 138602

Ion Ratio Lower Upper

152 100

115 59.8 29.7 89.1

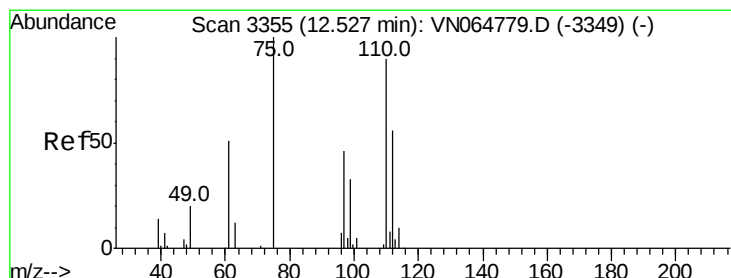
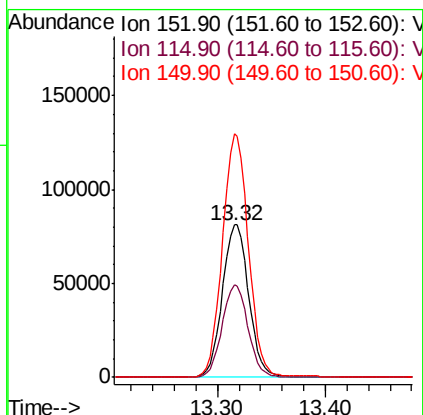
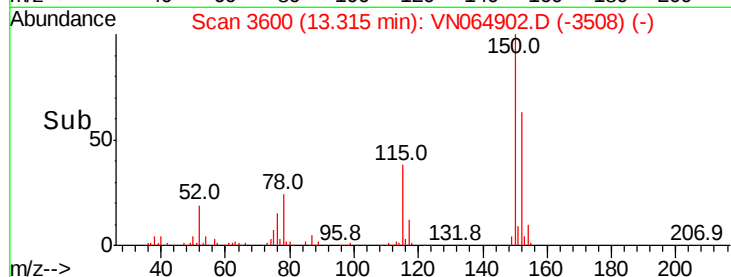
150 157.0 0.0 350.6



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: 23.097 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064902.D

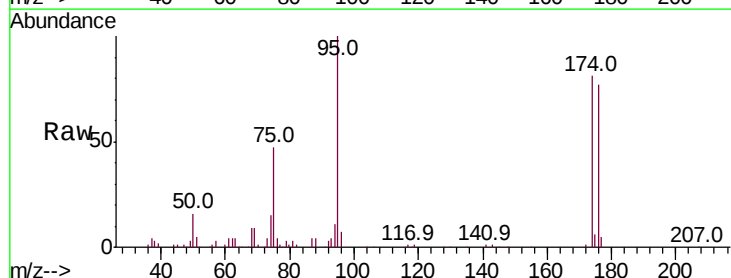
Acq: 3 Dec 2020 16:38

Tgt Ion: 75 Resp: 68942

Ion Ratio Lower Upper

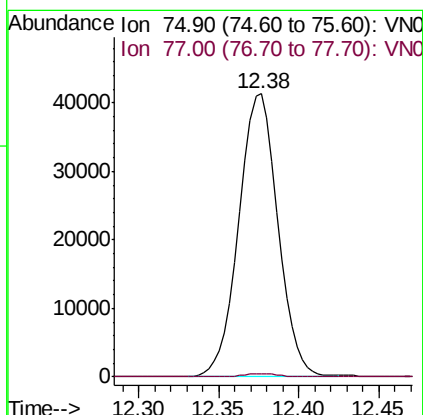
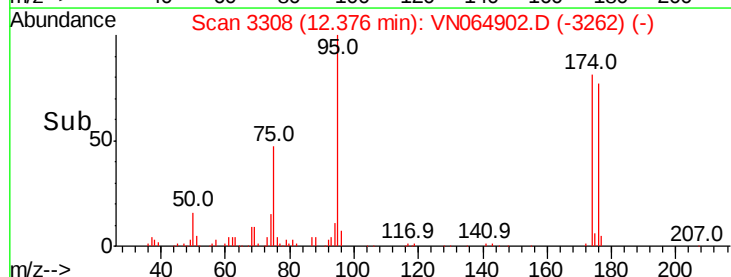
75 100

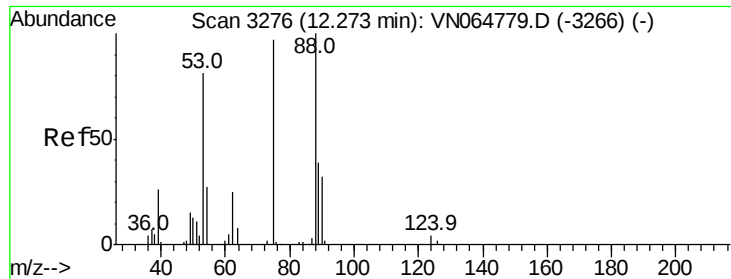
77 1.0 0.0 0.0#



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: 63.303 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064902.D
 Acq: 3 Dec 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion: 75 Resp: 68942
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

