

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033020\
 Data File : VN060770.D
 Acq On : 30 Mar 2020 15:04
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 31 07:59:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

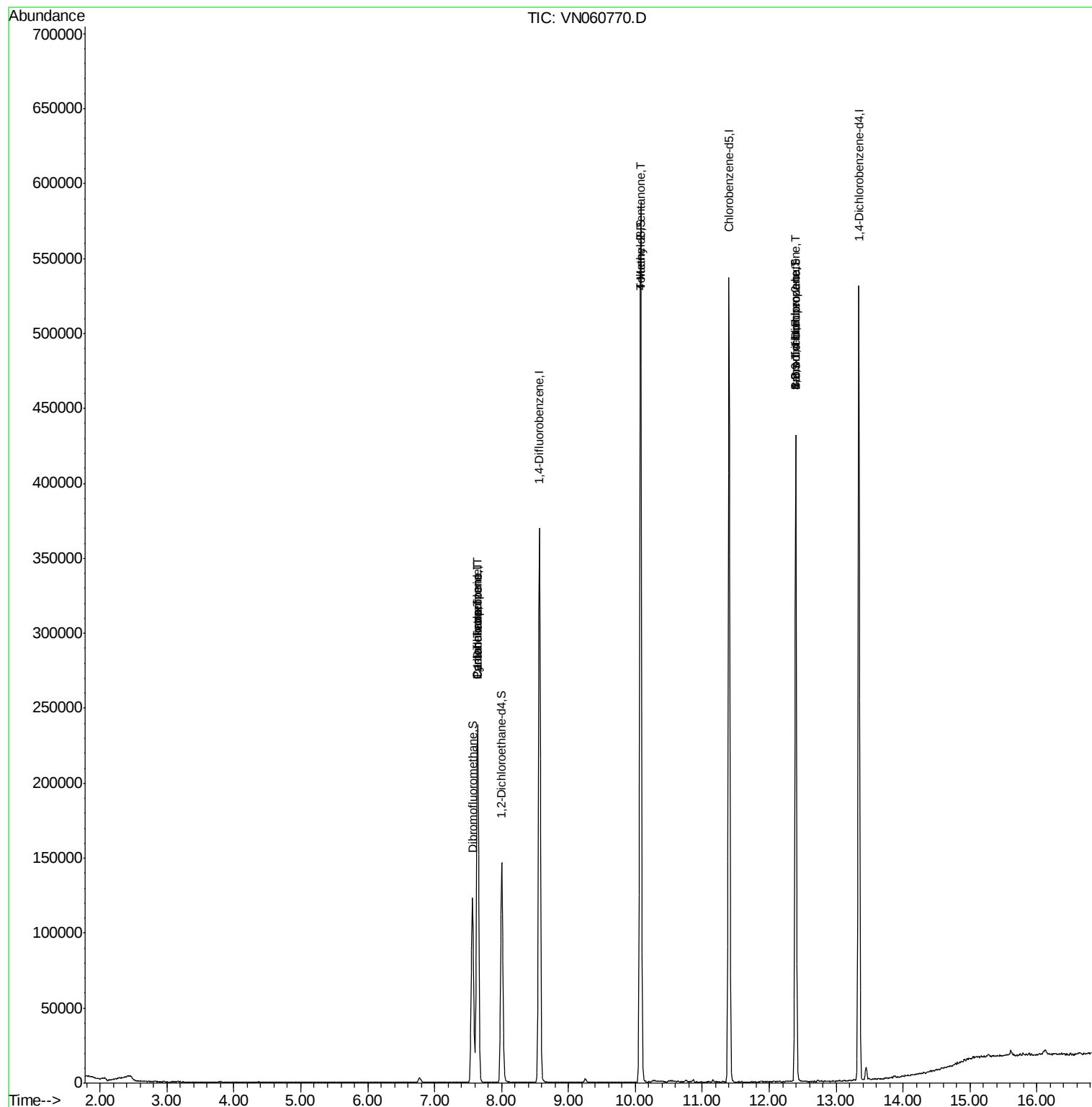
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140000	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125116	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
35) Dibromofluoromethane	7.56	113	95808	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.08	98	403062	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	149248	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.64	56	4104	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15317	4.852	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18813	6.649	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1859	0.581	ug/l #	1
71) Bromoform	12.39	173	245	1.811	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	74606	24.697	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74606	63.428	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060770.D

Acq: 30 Mar 2020 15:04

Instrument :

MSVOA_N

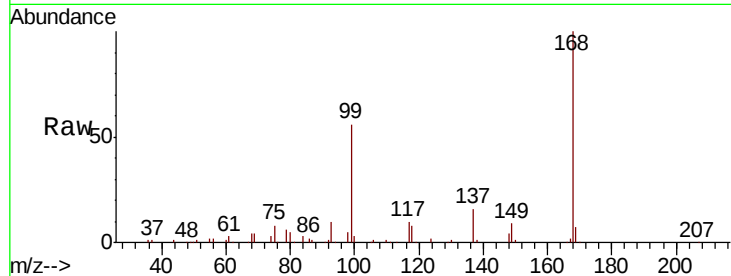
ClientSampled :

Tot Ion:168 Resp: 198097

Ion Ratio Lower Upper

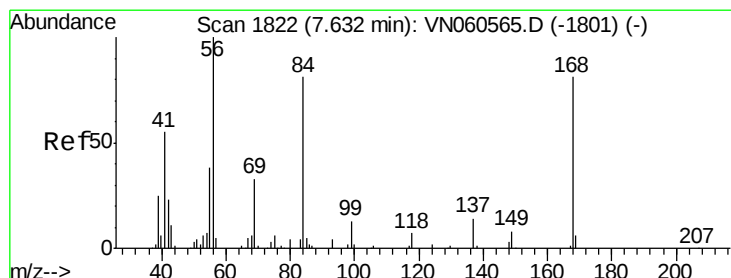
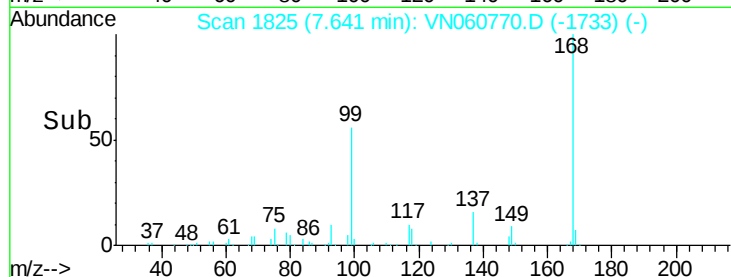
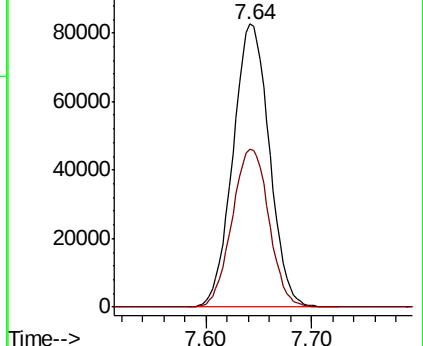
168 100

99 55.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#31

Cyclohexane

Concen: 0.937 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060770.D

Acq: 30 Mar 2020 15:04

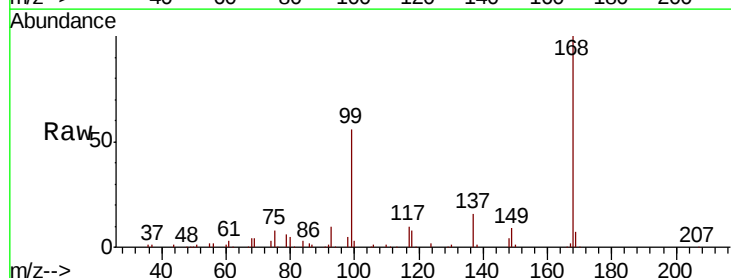
Tgt Ion: 56 Resp: 4104

Ion Ratio Lower Upper

56 100

69 181.8 26.6 40.0#

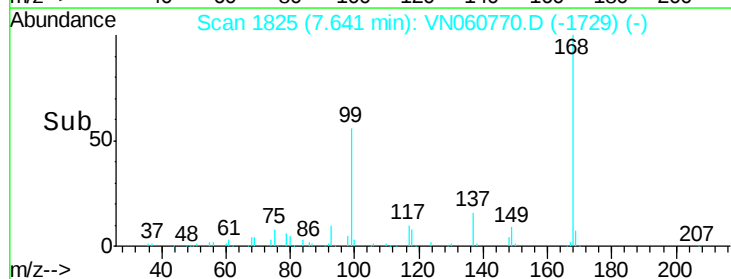
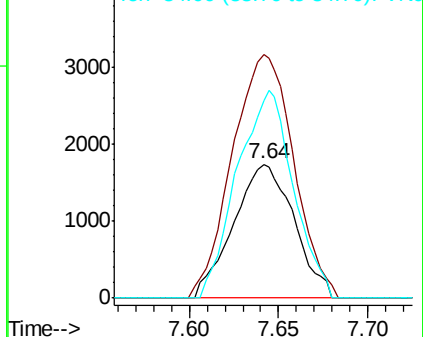
84 147.6 64.3 96.5#

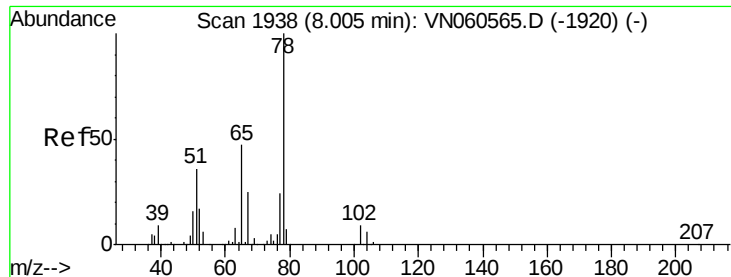


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

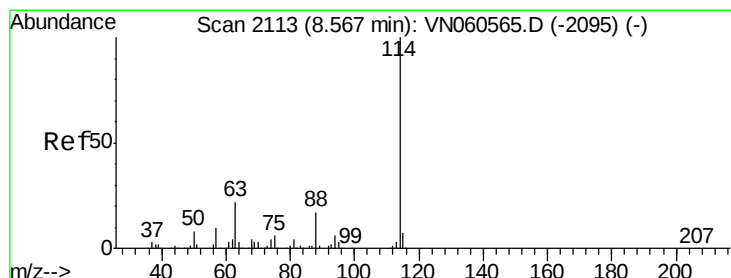
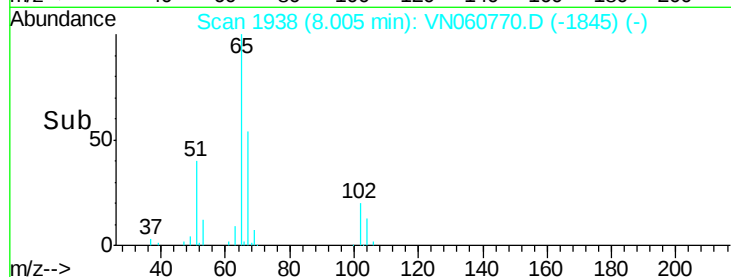
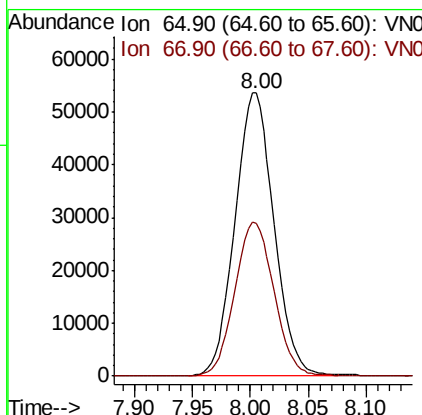
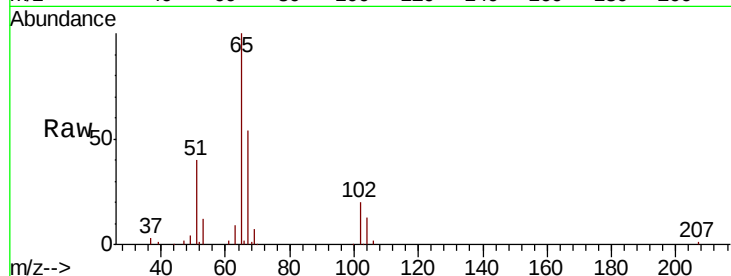




#33
 1,2-Dichloroethane-d4
 Concen: 46.008 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060770.D
 Acq: 30 Mar 2020 15:04

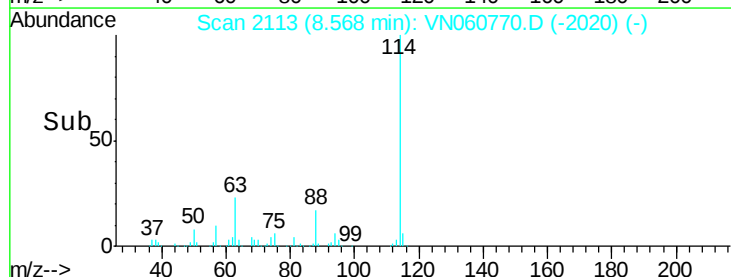
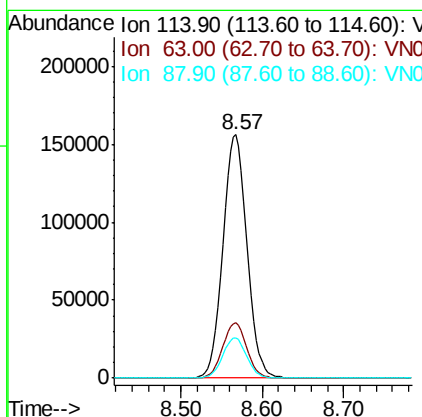
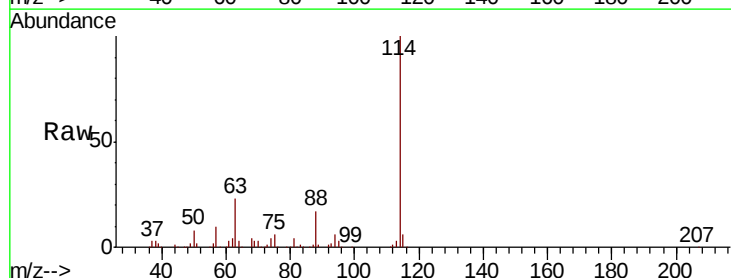
Instrument :
 MSVOA_N
 ClientSampleId :

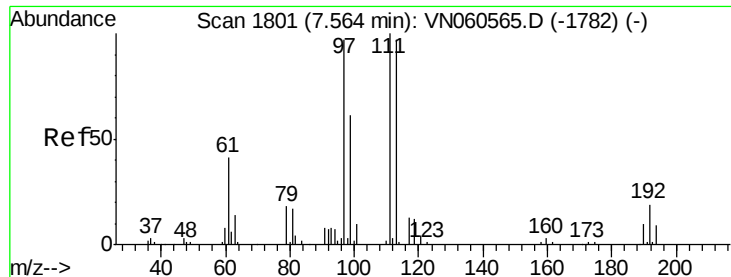
Tot Ion: 65 Resp: 125116
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060770.D
 Acq: 30 Mar 2020 15:04

Tgt Ion: 114 Resp: 326007
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 16.5 0.0 33.0

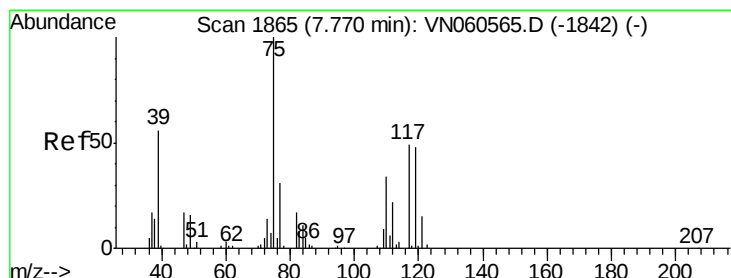
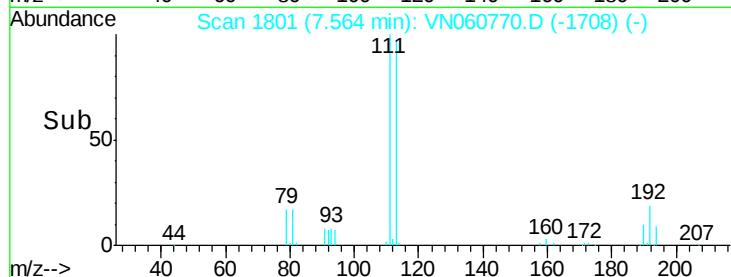
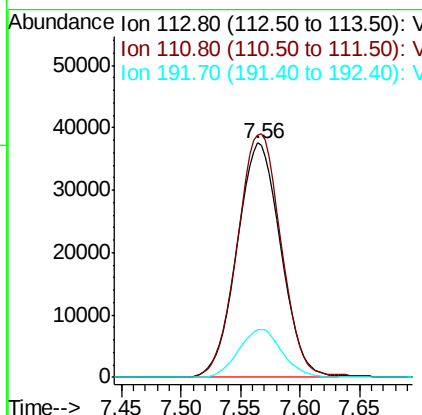
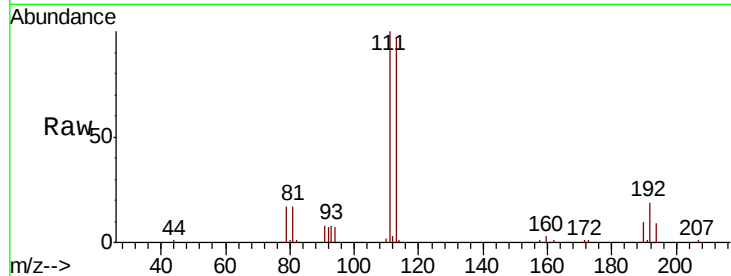




#35
 Dibromofluoromethane
 Concen: 48.602 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060770.D
 Acq: 30 Mar 2020 15:04

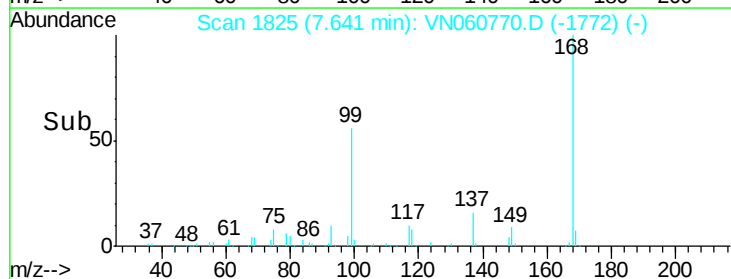
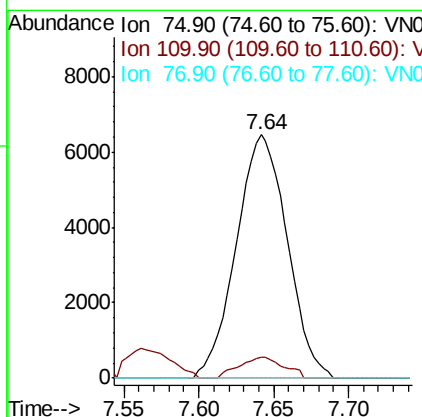
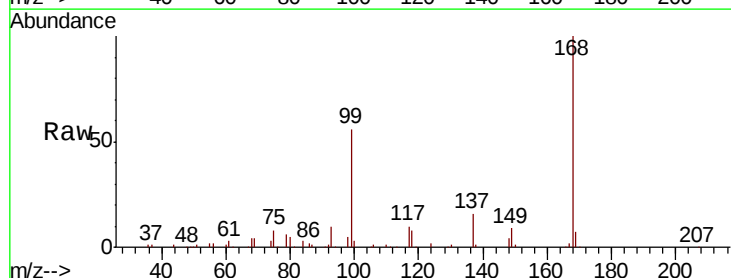
Instrument :
 MSVOA_N
 ClientSampled :

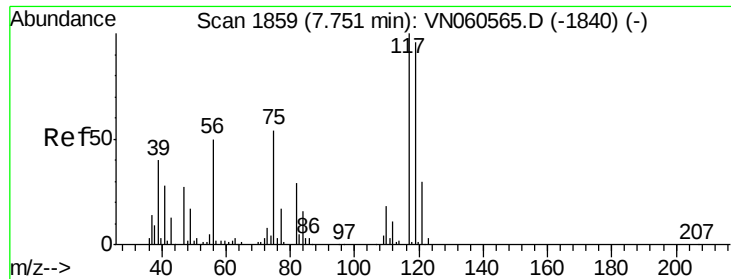
Tot Ion:113 Resp: 95808
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.9 124.3
 192 20.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060770.D
 Acq: 30 Mar 2020 15:04

Tgt Ion: 75 Resp: 15317
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.9 50.6#
 77 0.0 24.6 36.8#

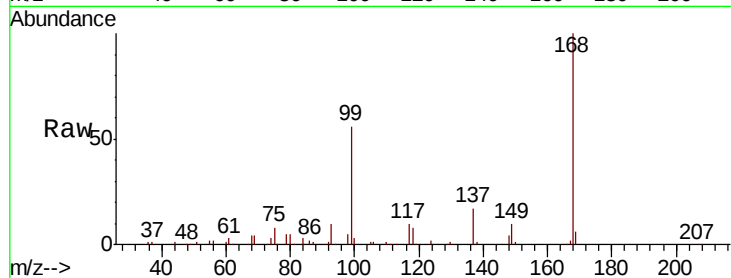




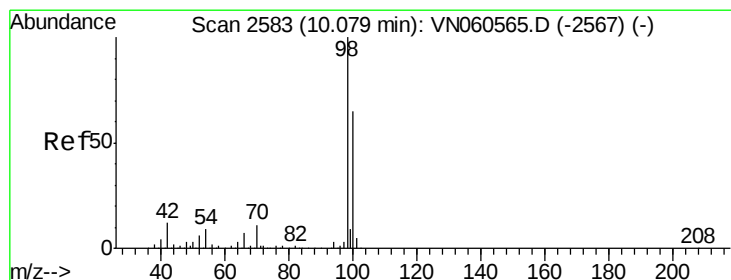
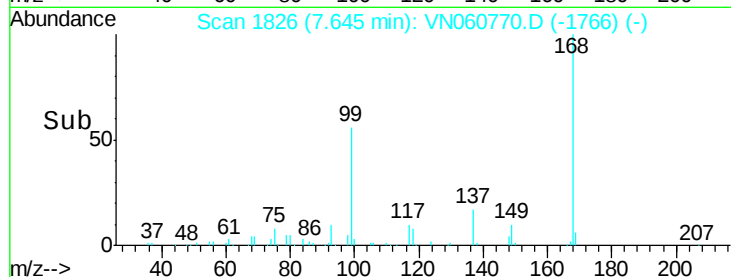
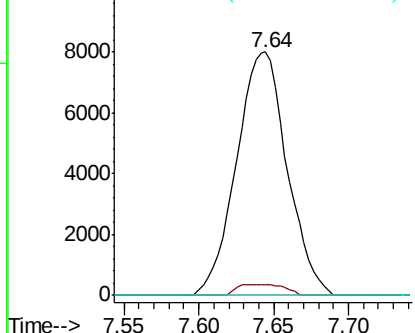
#38
Carbon Tetrachloride
Concen: 6.649 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060770.D
Acq: 30 Mar 2020 15:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 18813
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 23.7 35.5#

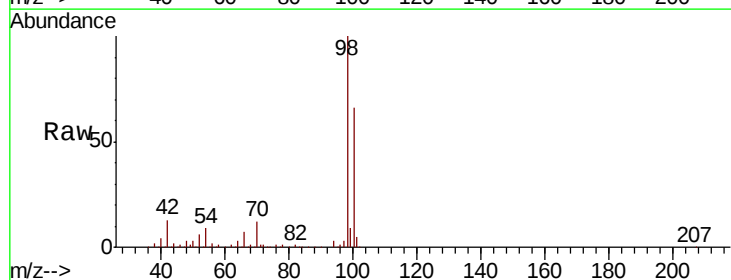


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

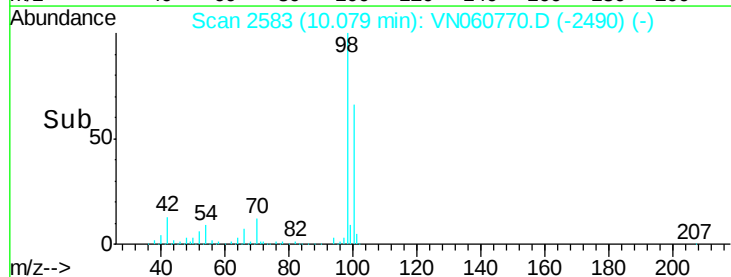
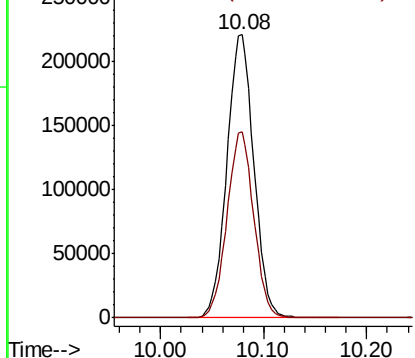


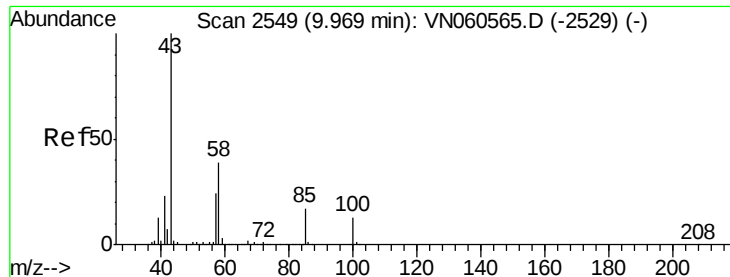
#50
Toluene-d8
Concen: 50.058 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060770.D
Acq: 30 Mar 2020 15:04

Tgt Ion: 98 Resp: 403062
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.581 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060770.D

Acq: 30 Mar 2020 15:04

Instrument :

MSVOA_N

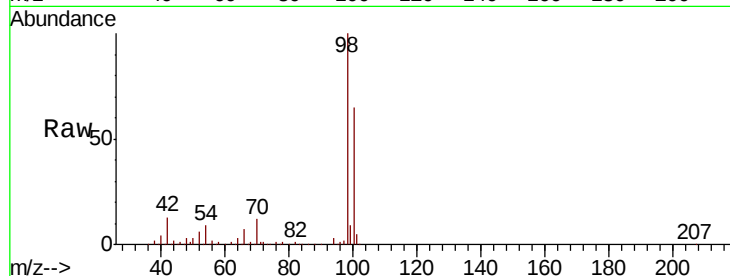
ClientSampleId :

Tot Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

58 181.5 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060770.D (-2582) (-)

Ion 58.00 (57.70 to 58.70): VN060770.D (-2582) (-)

10.08

2000

1500

1000

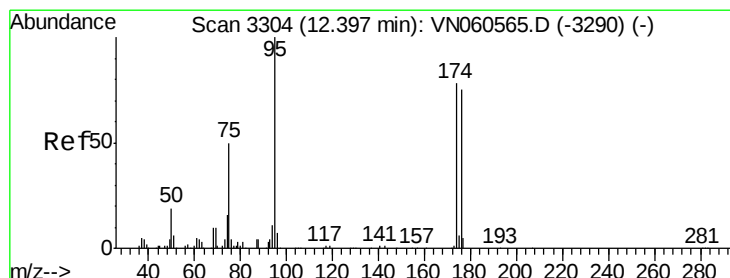
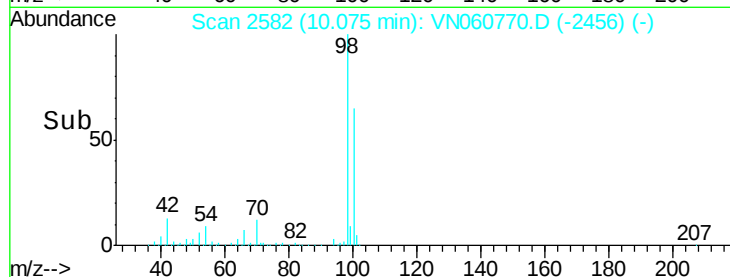
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 50.577 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060770.D

Acq: 30 Mar 2020 15:04

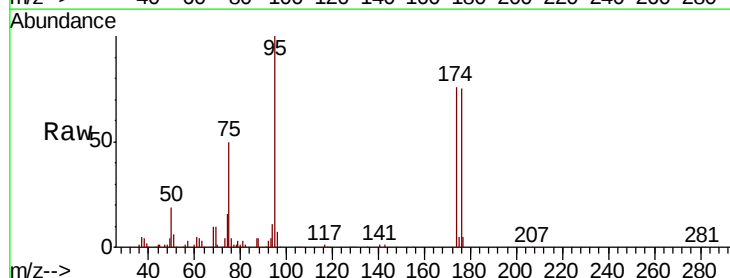
Tgt Ion: 95 Resp: 149248

Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.6

176 75.2 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060770.D (-3304) (-)

Ion 173.80 (173.50 to 174.50): VN060770.D (-3304) (-)

Ion 175.80 (175.50 to 176.50): VN060770.D (-3304) (-)

120000

100000

80000

60000

40000

20000

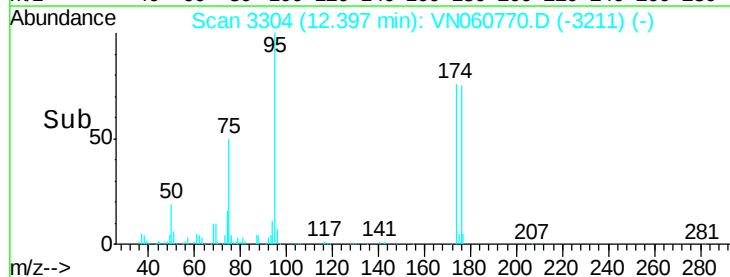
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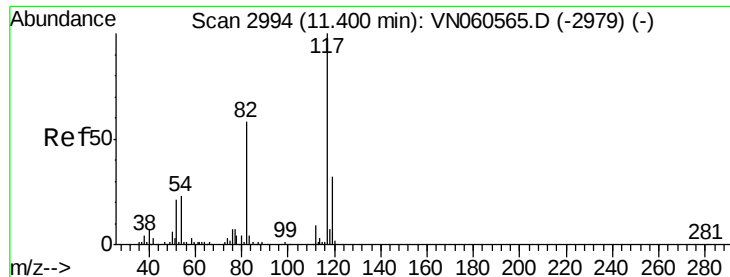
12.30

12.40

12.50

Time-->

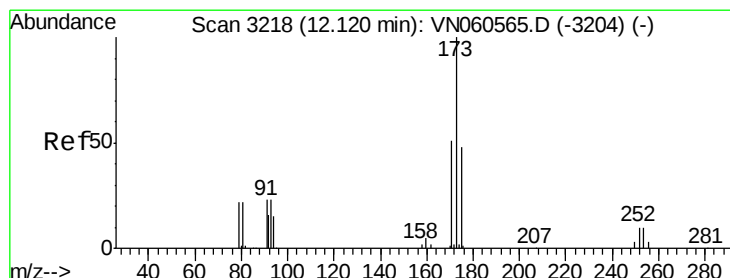
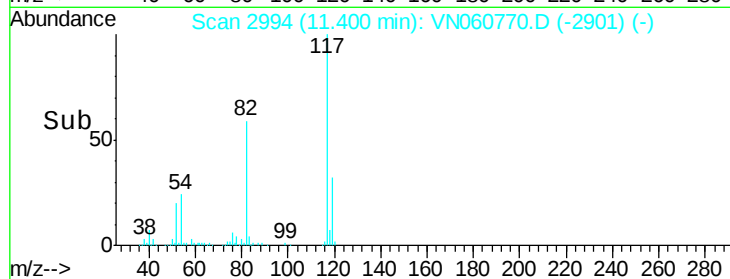
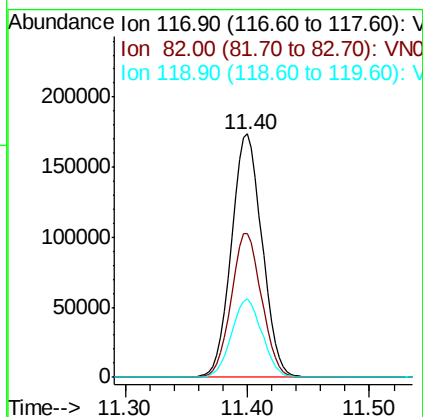
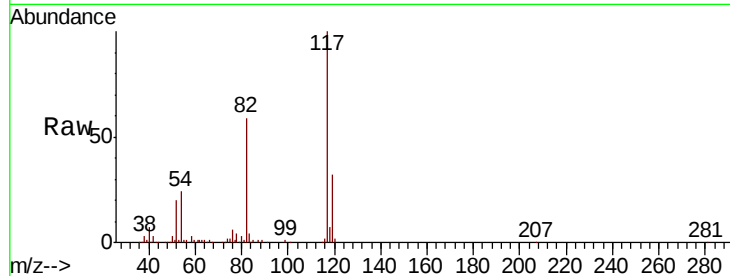




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060770.D
Acq: 30 Mar 2020 15:04

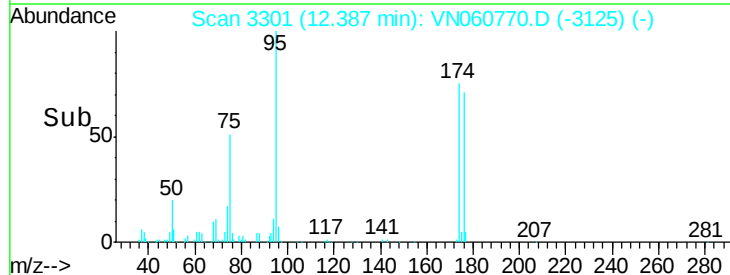
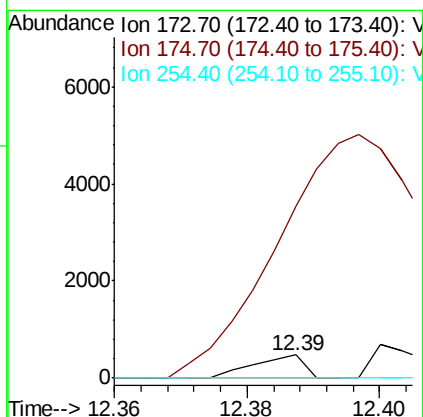
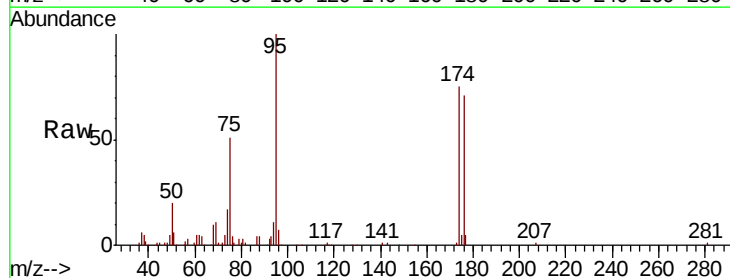
Instrument :
MSVOA_N
ClientSampleId :

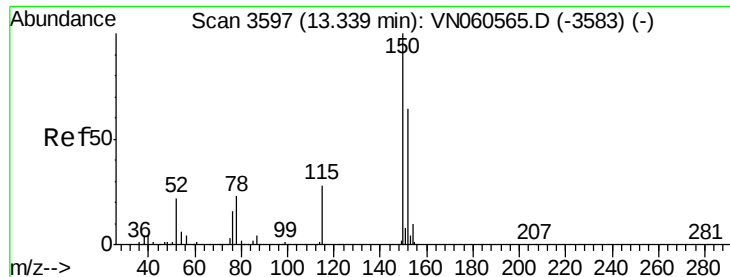
Tot Ion:117 Resp: 303086
Ion Ratio Lower Upper
117 100
82 59.2 46.7 70.1
119 32.0 25.5 38.3



#71
Bromoform
Concen: 1.811 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060770.D
Acq: 30 Mar 2020 15:04

Tgt Ion:173 Resp: 245
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060770.D

Acq: 30 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

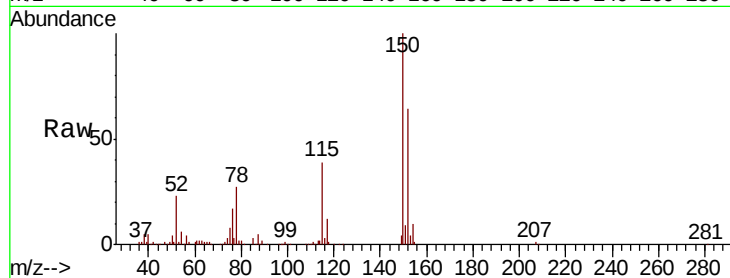
Tot Ion:152 Resp: 140000

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

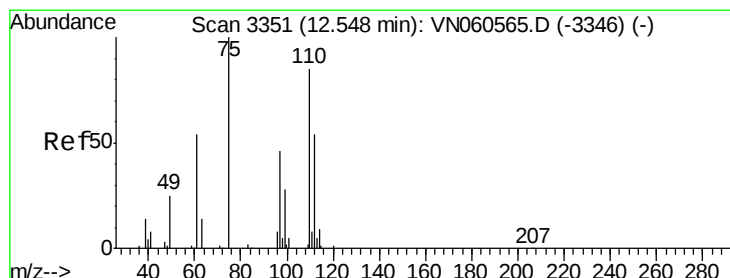
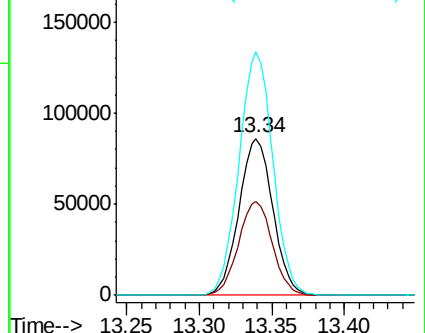
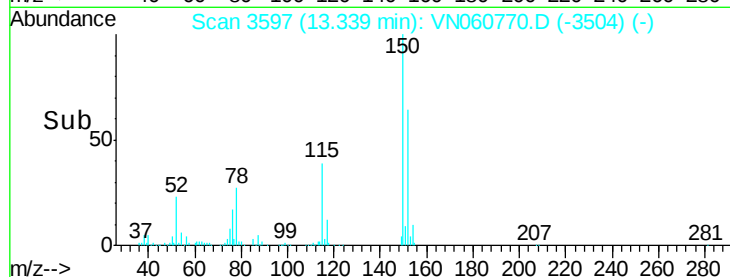
150 155.2 0.0 350.2



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: 24.697 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060770.D

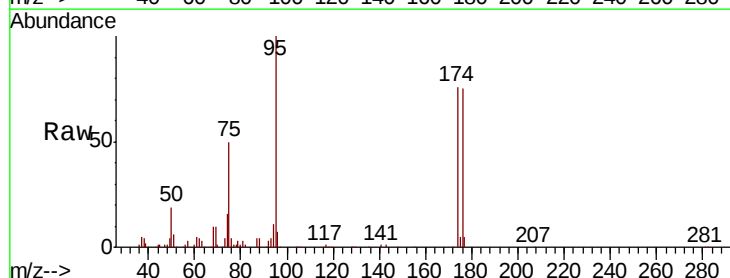
Acq: 30 Mar 2020 15:04

Tgt Ion: 75 Resp: 74606

Ion Ratio Lower Upper

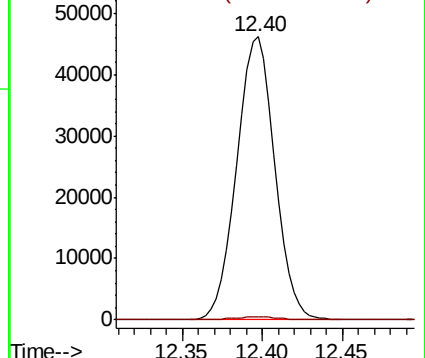
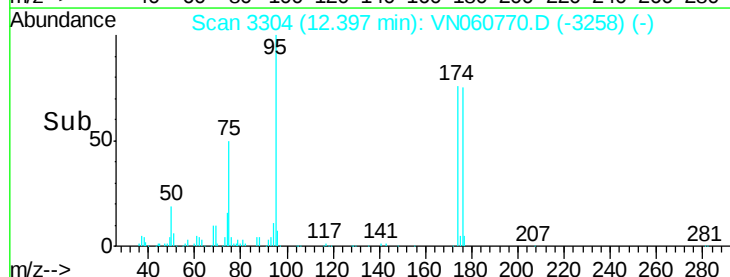
75 100

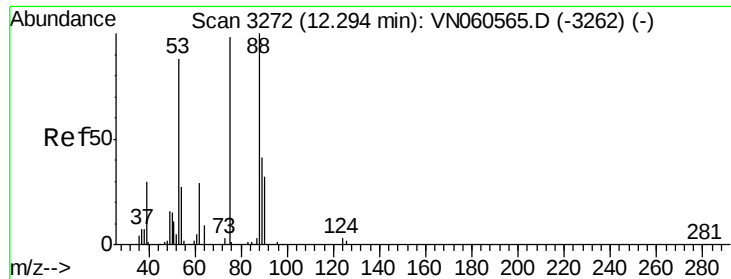
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.428 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060770.D

Acq: 30 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 74606

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

