

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061081.D
 Acq On : 18 Apr 2020 3:29
 Operator : JC/MD
 Sample : L2338-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:41:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	145722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	251428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	239000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103246	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	101889	54.65	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.56	113	75963	51.74	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	312313	56.29	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.39	95	115628	53.17	ug/l	0.00
Spiked Amount						

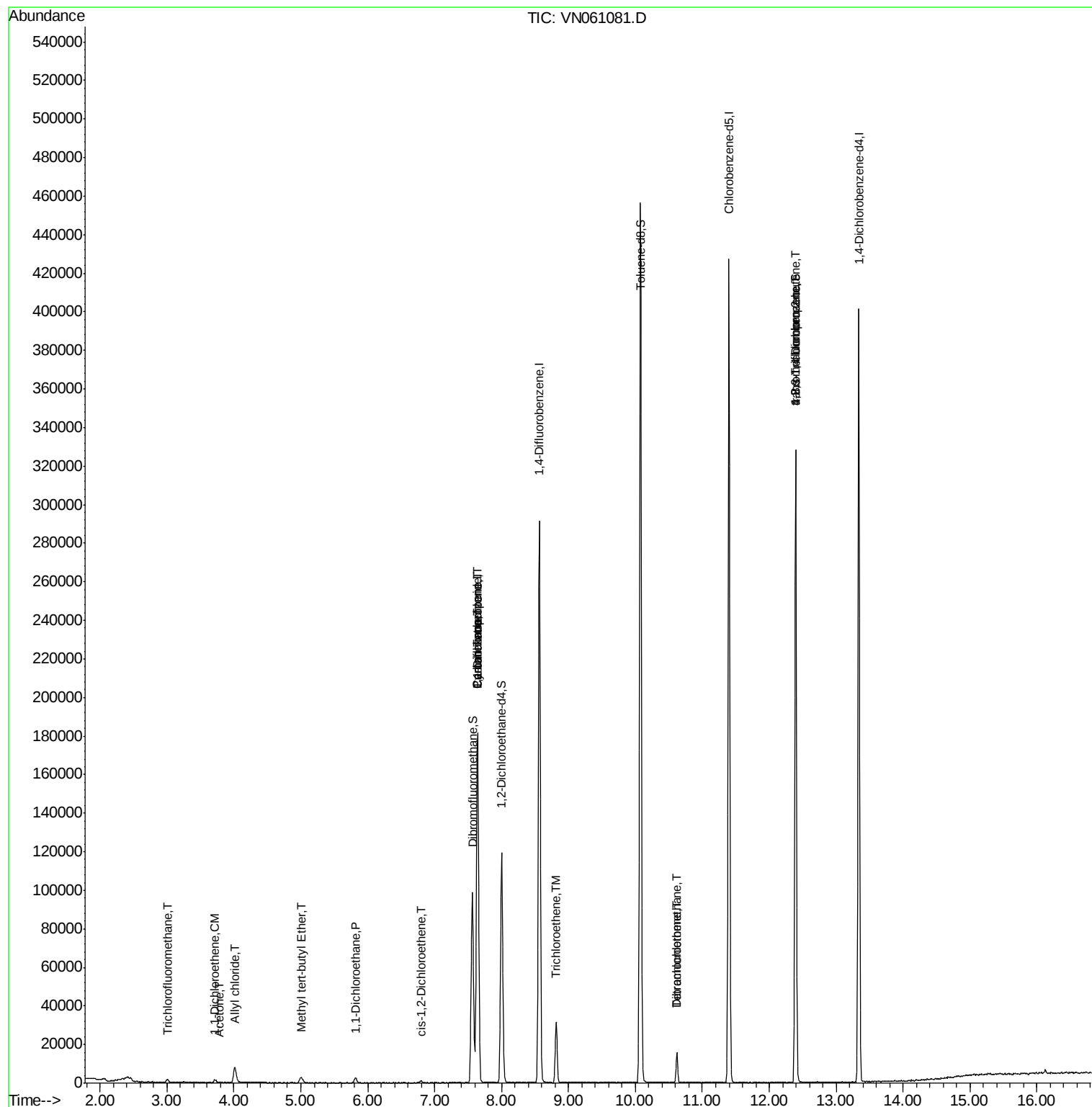
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	3.01	101	1619	0.605	ug/l	95
12) 1,1-Dichloroethene	3.73	96	831	0.521	ug/l	82
14) Allyl chloride	4.01	41	1068	0.354	ug/l #	54
16) Acetone	3.79	43	380	0.463	ug/l #	44
19) Methyl tert-butyl Ether	5.01	73	5226	0.940	ug/l	95
24) 1,1-Dichloroethane	5.81	63	4365	1.290	ug/l #	85
27) cis-1,2-Dichloroethene	6.80	96	888	0.453	ug/l	62
31) Cyclohexane	7.64	56	3344	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12092	4.661	ug/l #	50
38) Carbon Tetrachloride	7.64	117	14787	6.847	ug/l #	15
44) Trichloroethene	8.81	130	11764	6.083	ug/l	99
60) Dibromochloromethane	10.62	129	3455	1.925	ug/l #	10
64) Tetrachloroethene	10.62	164	3664	2.003	ug/l	98
76) 1,2,3-Trichloropropane	12.39	75	59075	26.013	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	59075	64.163	ug/l #	12

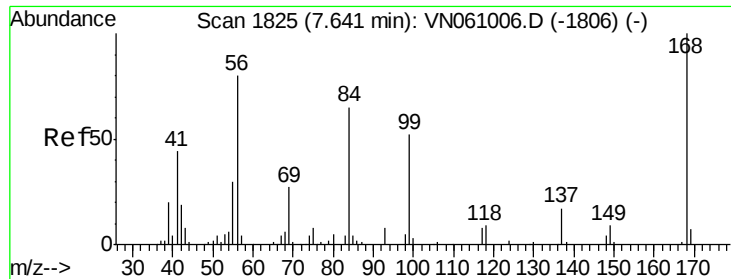
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061081.D

Acq: 18 Apr 2020 3:29

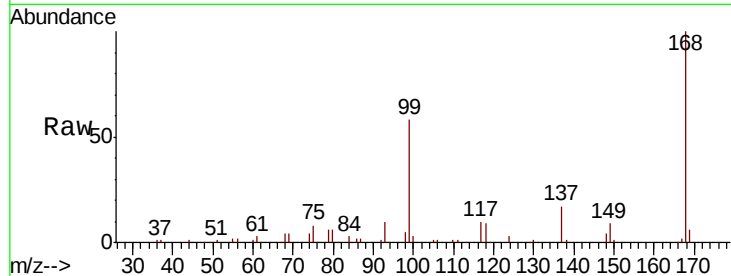
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 145722

Ion Ratio Lower Upper

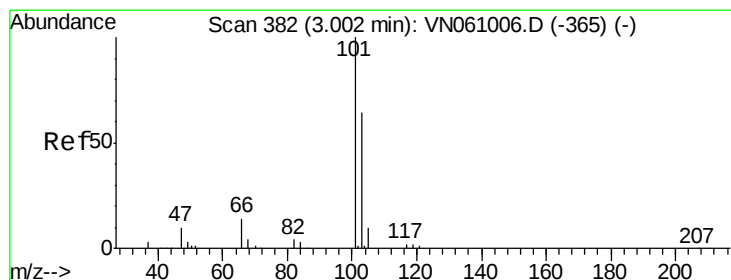
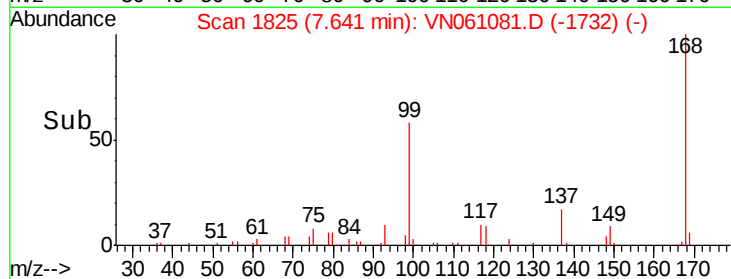
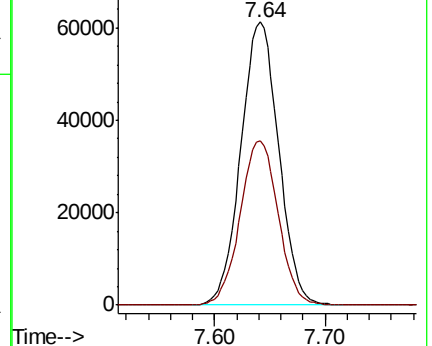
168 100

99 58.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#7

Trichlorofluoromethane

Concen: 0.605 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.01 min

Lab File: VN061081.D

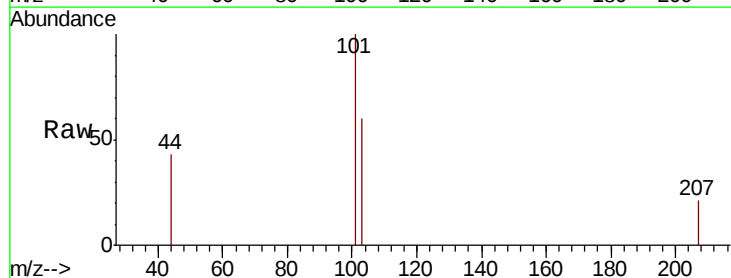
Acq: 18 Apr 2020 3:29

Tgt Ion:101 Resp: 1619

Ion Ratio Lower Upper

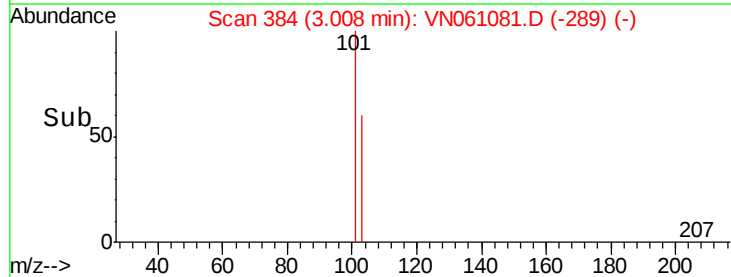
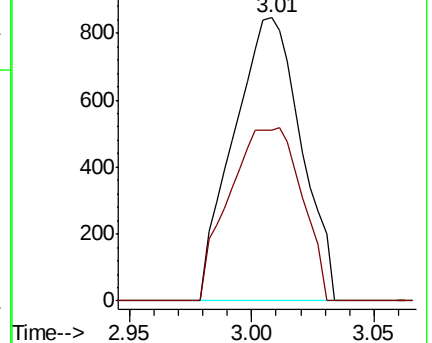
101 100

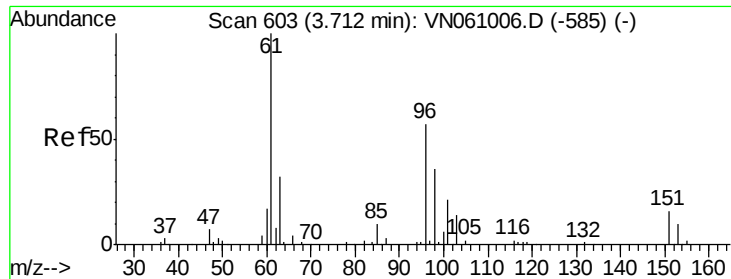
103 60.3 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#12

1,1-Dichloroethene

Concen: 0.521 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.02 min

Lab File: VN061081.D

Acq: 18 Apr 2020 3:29

Instrument :

MSVOA_N

ClientSampled :

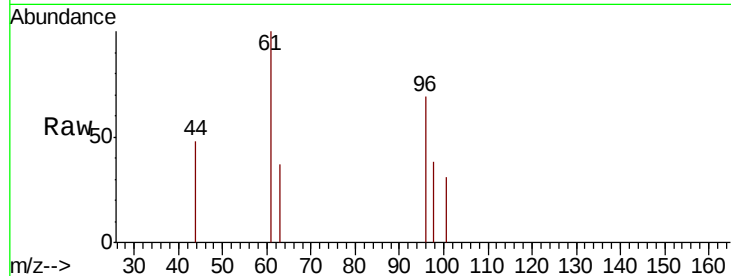
Tot Ion: 96 Resp: 831

Ion Ratio Lower Upper

96 100

61 144.5 139.2 208.8

98 55.2 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

800

600

400

200

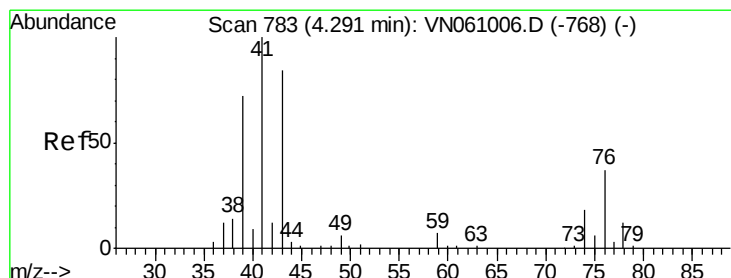
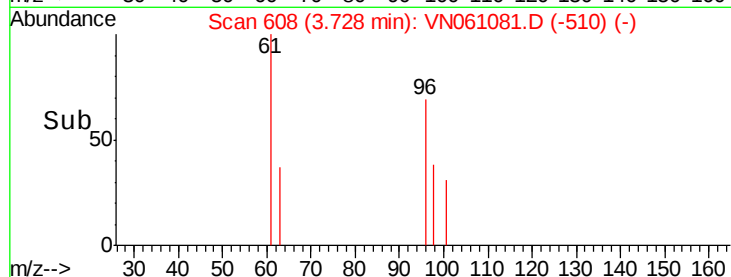
0

3.70

3.73

3.75

Time-->



#14

Allyl chloride

Concen: 0.354 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.28 min

Lab File: VN061081.D

Acq: 18 Apr 2020 3:29

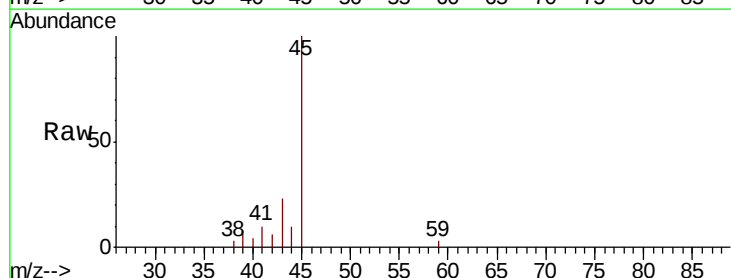
Tgt Ion: 41 Resp: 1068

Ion Ratio Lower Upper

41 100

39 38.4 56.3 84.5#

76 0.0 27.7 41.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

600

400

200

0

3.98

4.00

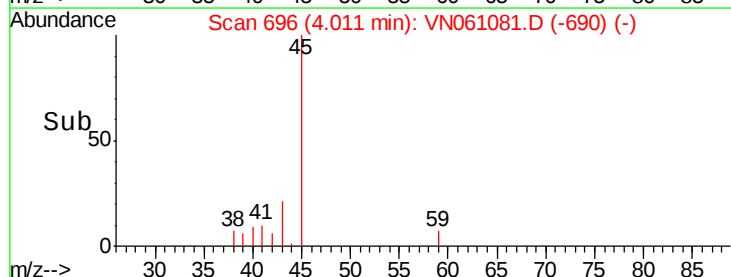
4.01

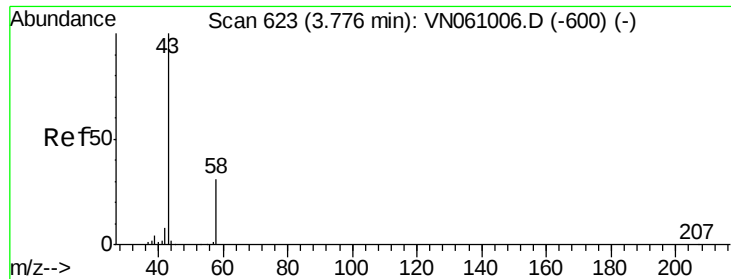
4.02

4.04

4.06

Time-->

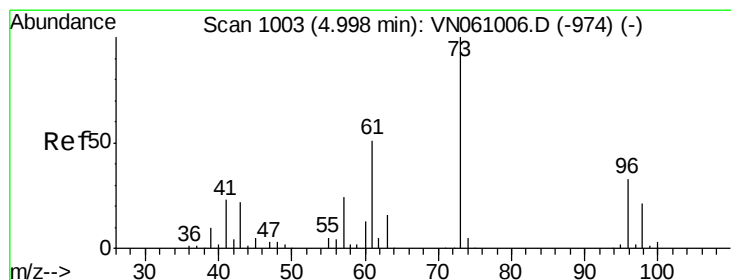
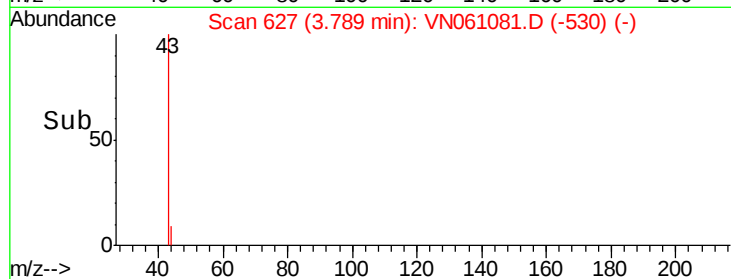
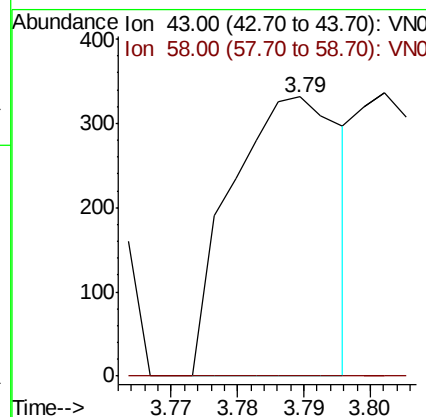
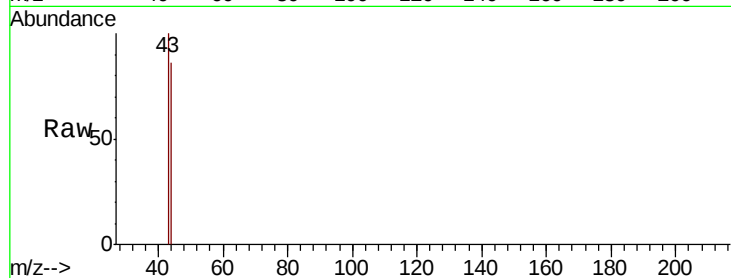




#16
Acetone
Concen: 0.463 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.01 min
Lab File: VN061081.D
Acq: 18 Apr 2020 3:29

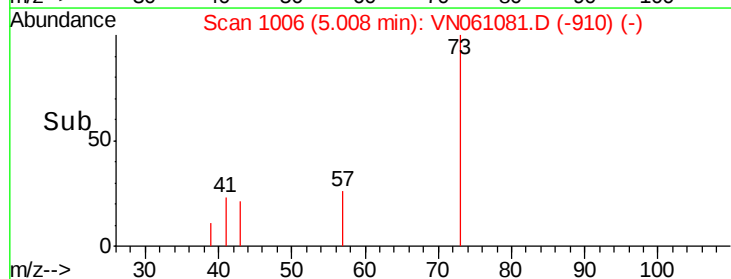
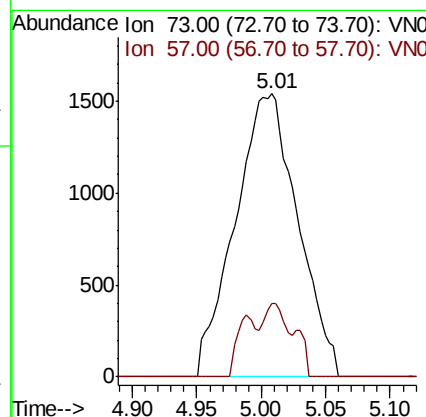
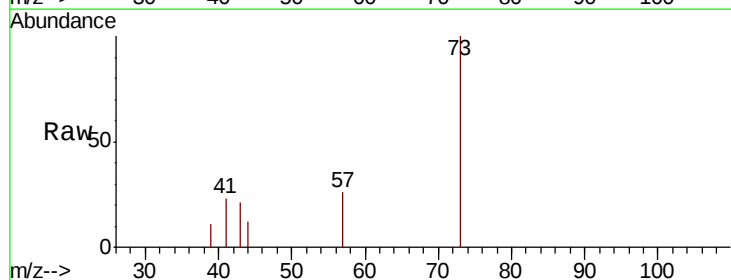
Instrument :
MSVOA_N
ClientSampleId :

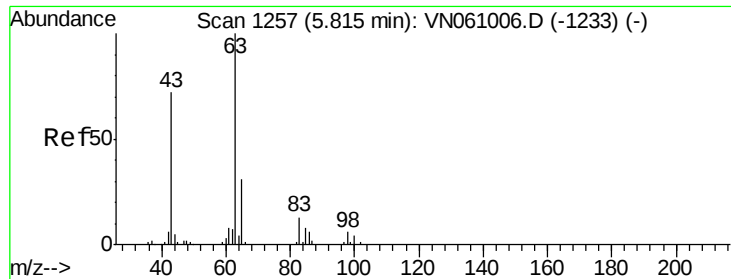
Tot Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
58 0.0 24.6 37.0#



#19
Methyl tert-butyl Ether
Concen: 0.940 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VN061081.D
Acq: 18 Apr 2020 3:29

Tgt Ion: 73 Resp: 5226
Ion Ratio Lower Upper
73 100
57 26.1 19.0 28.4





#24

1,1-Dichloroethane

Concen: 1.290 ug/l

RT: 5.81 min Scan# 1257

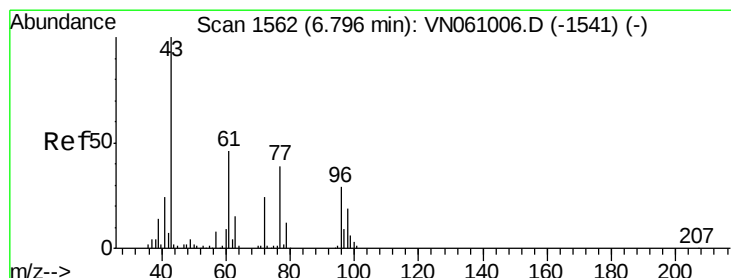
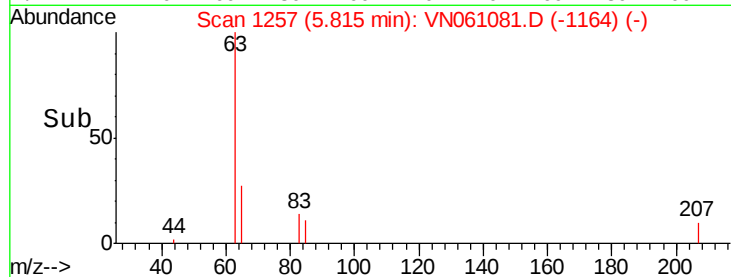
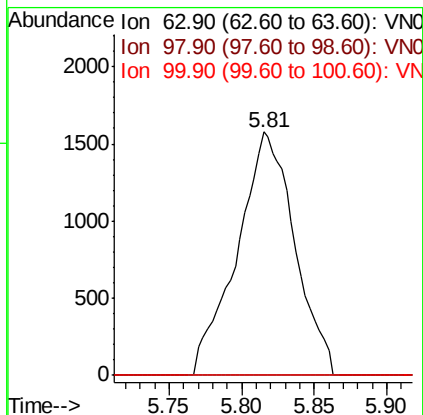
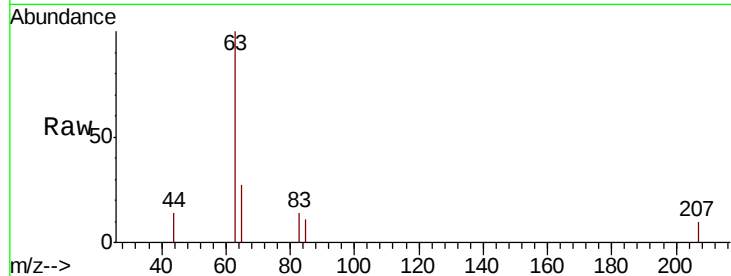
Delta R.T. 0.00 min

Lab File: VN061081.D

Acq: 18 Apr 2020 3:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	63	Resp:	4365
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.8#
100	0.0	2.0	5.8#



#27

cis-1,2-Dichloroethene

Concen: 0.453 ug/l

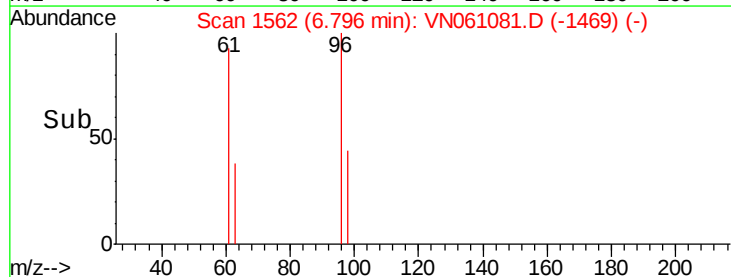
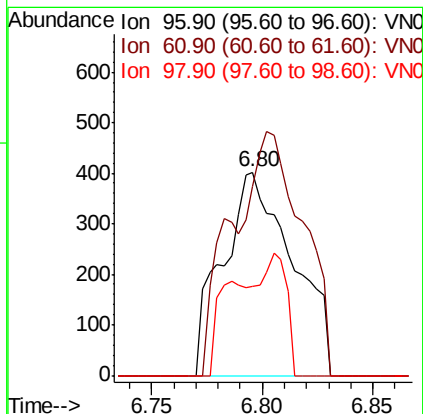
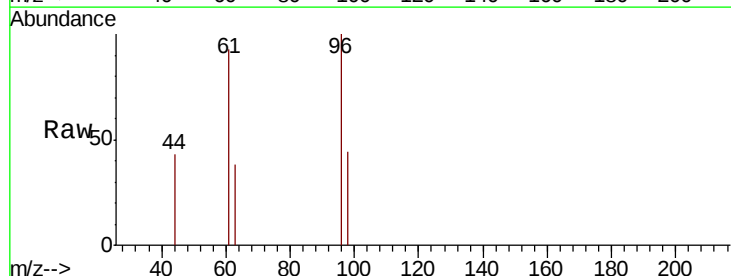
RT: 6.80 min Scan# 1562

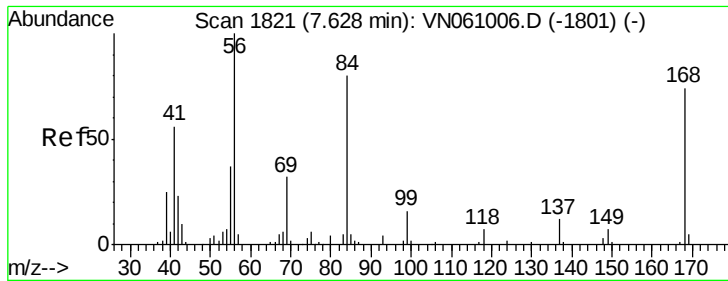
Delta R.T. 0.00 min

Lab File: VN061081.D

Acq: 18 Apr 2020 3:29

Tgt Ion:	96	Resp:	888
Ion	Ratio	Lower	Upper
96	100		
61	120.2	0.0	317.4
98	18.2	0.0	127.8

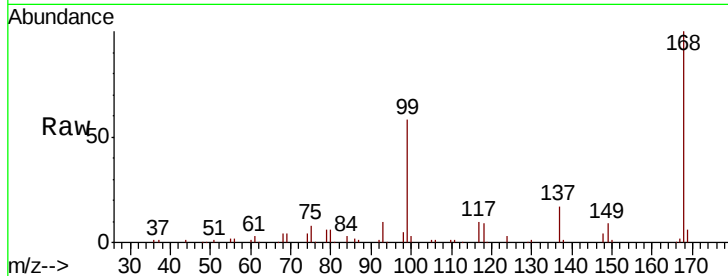




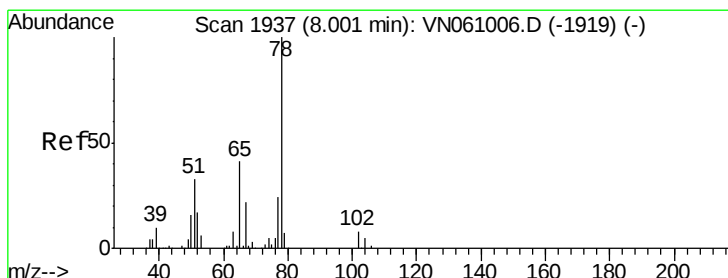
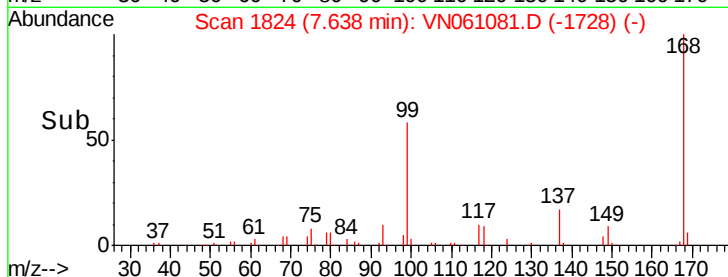
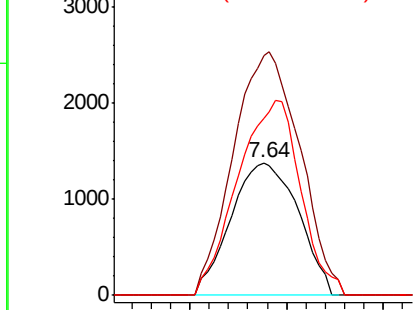
#31
Cyclohexane
Concen: 0.963 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061081.D
Acq: 18 Apr 2020 3:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3344
Ion Ratio Lower Upper
56 100
69 181.3 25.6 38.4#
84 133.7 63.4 95.2#

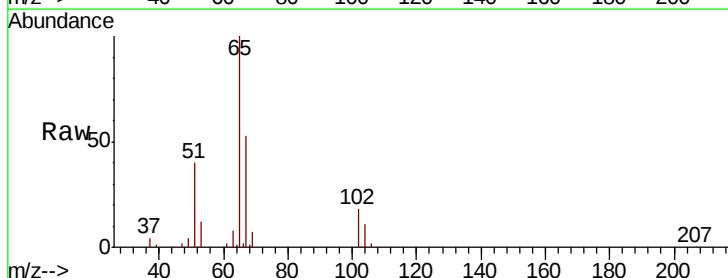


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

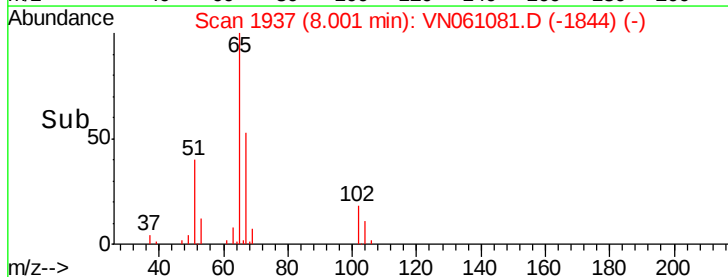
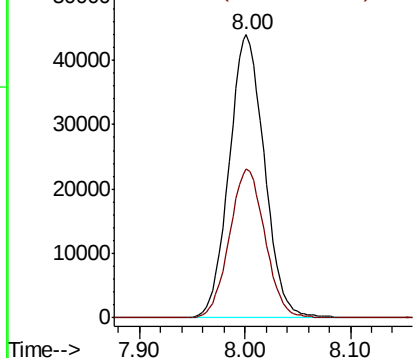


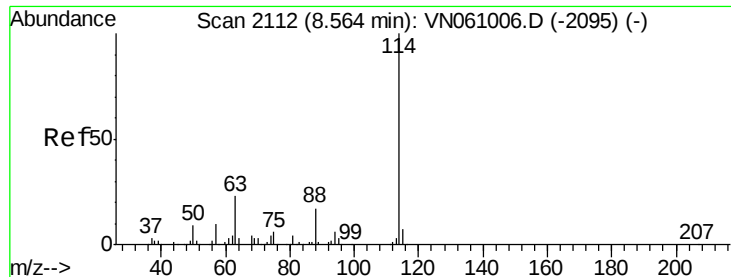
#33
1,2-Dichloroethane-d4
Concen: 54.649 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061081.D
Acq: 18 Apr 2020 3:29

Tgt Ion: 65 Resp: 101889
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

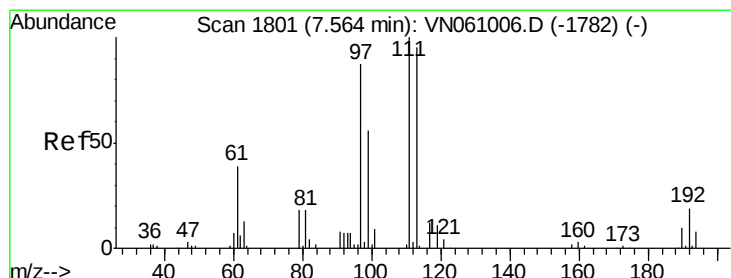
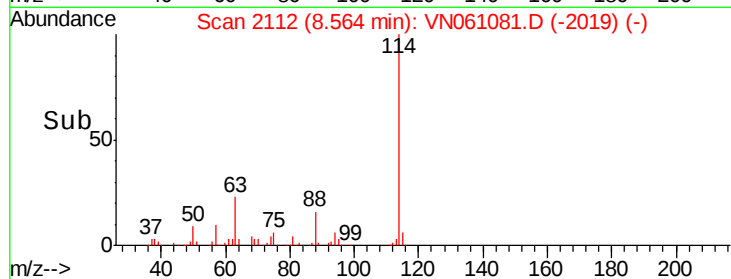
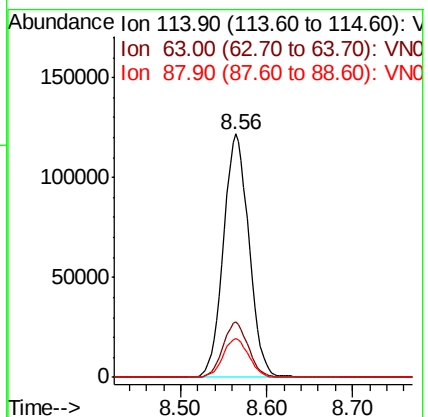
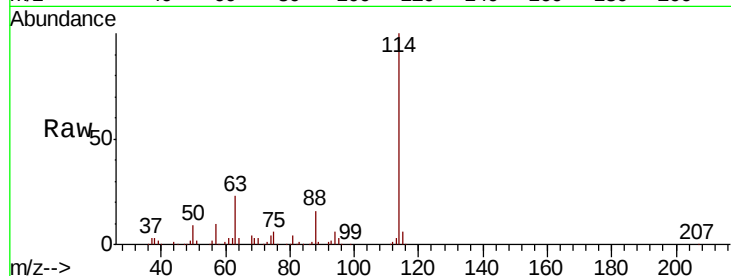




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061081.D
 Acq: 18 Apr 2020 3:29

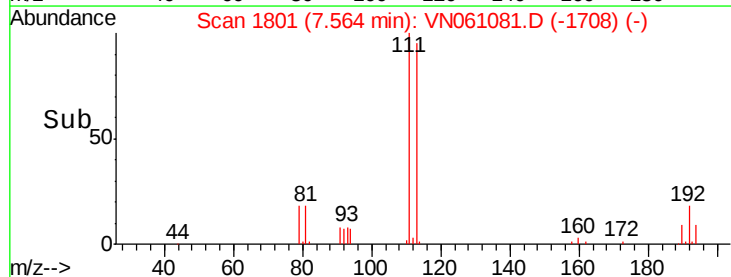
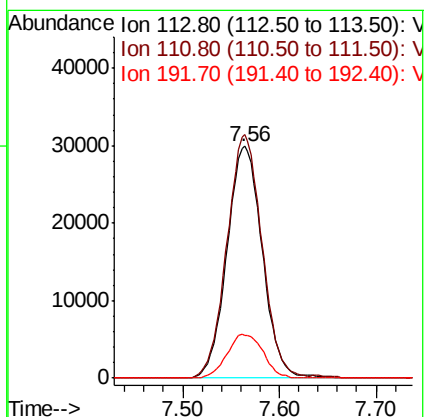
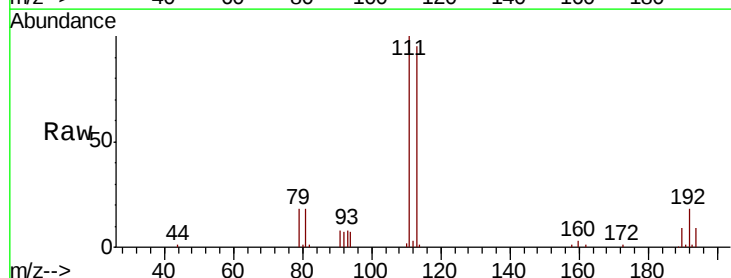
Instrument :
 MSVOA_N
 ClientSampleId :

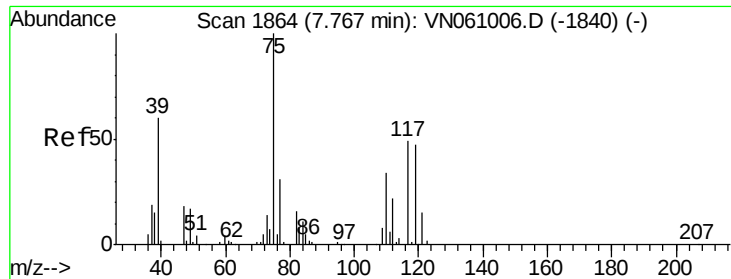
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	46.2
88	16.1	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 51.735 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061081.D
 Acq: 18 Apr 2020 3:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.4	125.2
192	19.3	15.5	23.3

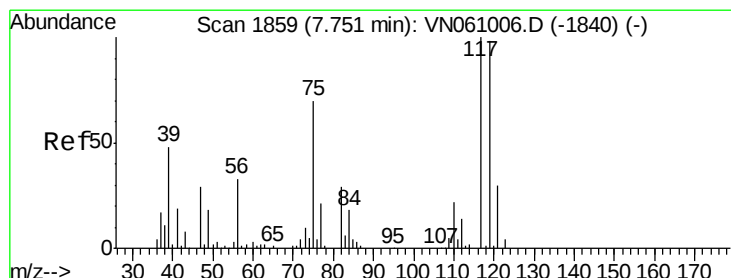
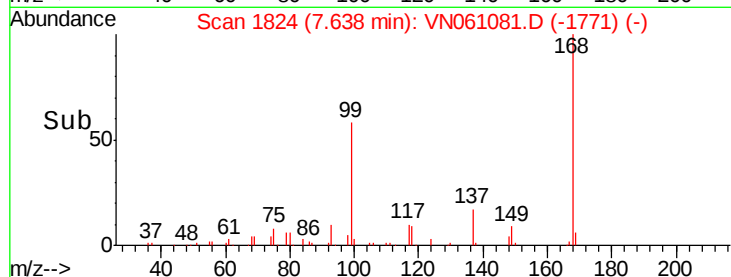
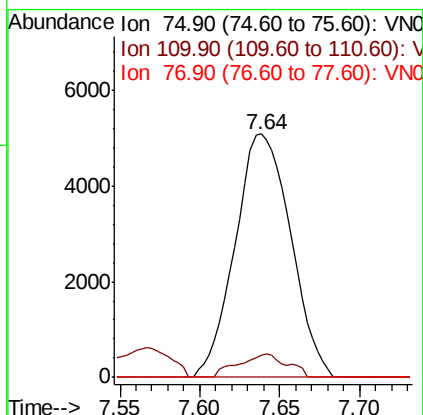
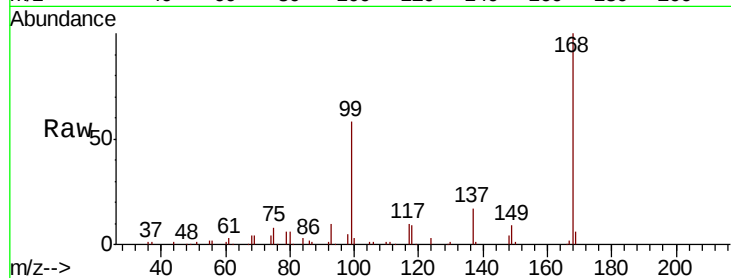




#36
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061081.D
 Acq: 18 Apr 2020 3:29

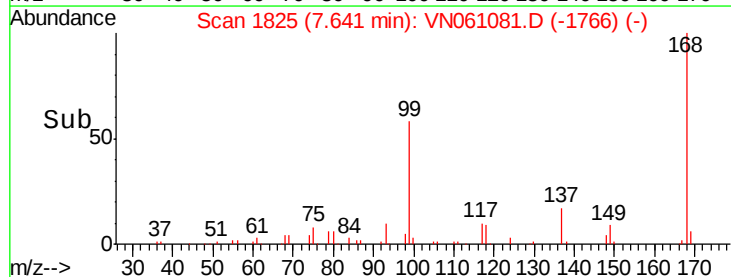
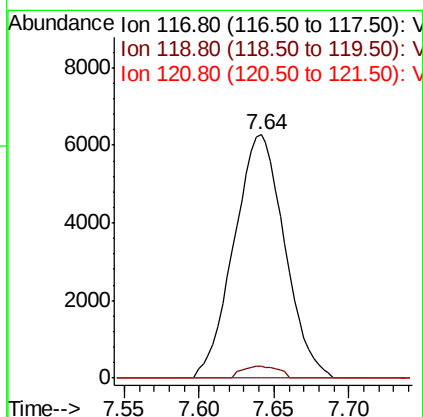
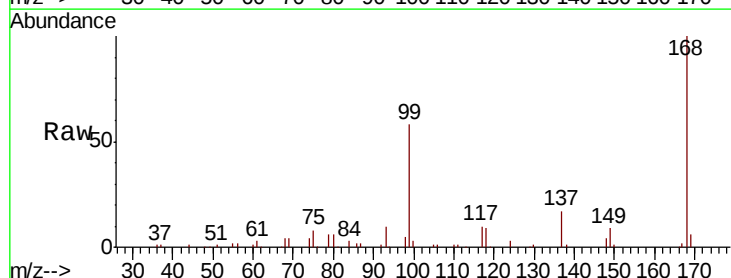
Instrument :
 MSVOA_N
 ClientSampleID :

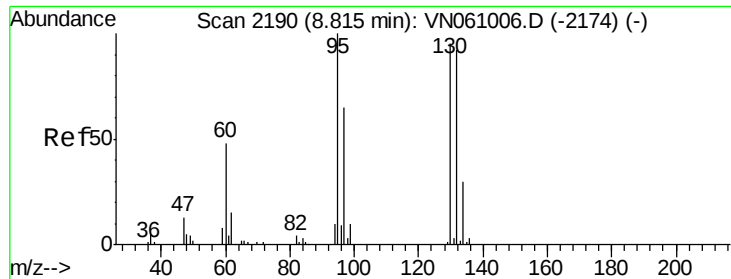
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.847 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061081.D
 Acq: 18 Apr 2020 3:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.1	117.1#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 6.083 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061081.D

Acq: 18 Apr 2020 3:29

Instrument :

MSVOA_N

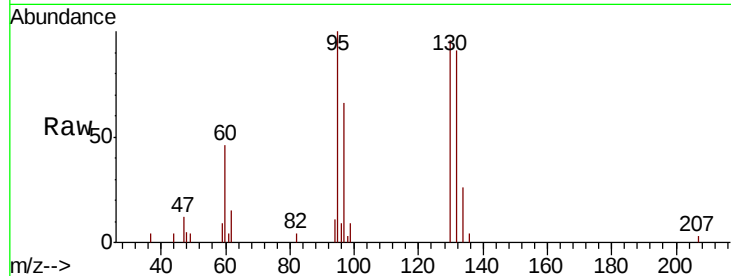
ClientSampleId :

Tot Ion:130 Resp: 11764

Ion Ratio Lower Upper

130 100

95 103.9 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061081.D (-2097) (-)

Ion 94.90 (94.60 to 95.60): VN061081.D (-2097) (-)

8.81

6000

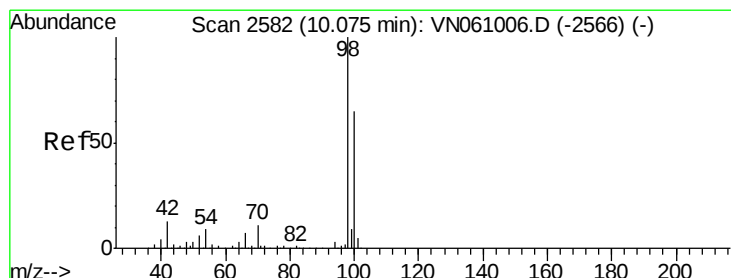
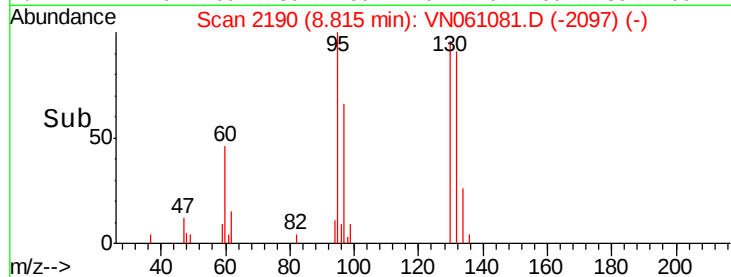
4000

2000

0

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 56.288 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061081.D

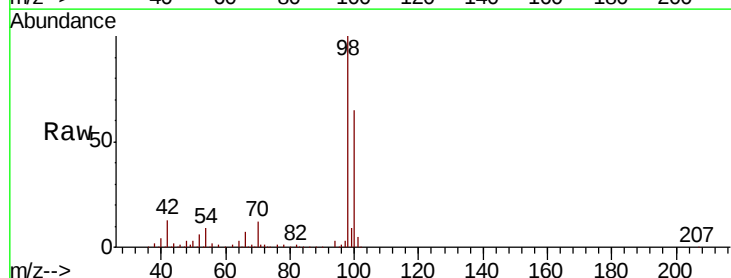
Acq: 18 Apr 2020 3:29

Tgt Ion: 98 Resp: 312313

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN061081.D (-2489) (-)

Ion 100.00 (99.70 to 100.70): VN061081.D (-2489) (-)

10.08

200000

150000

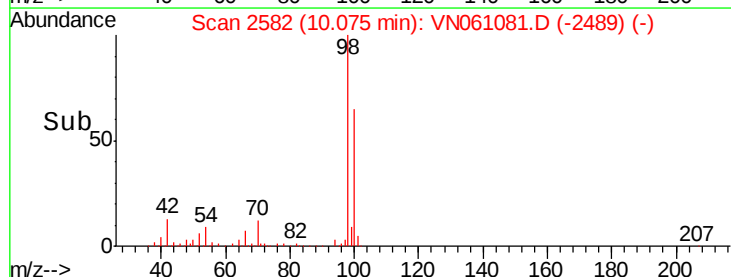
100000

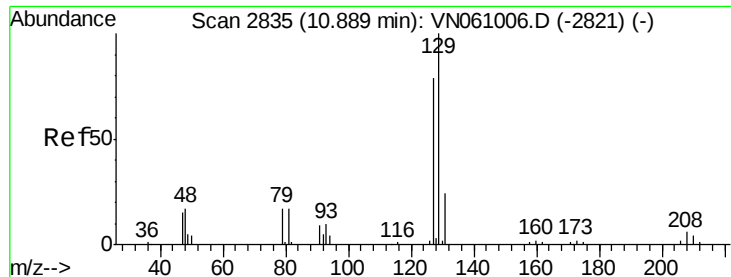
50000

0

10.00 10.10 10.20

Time-->

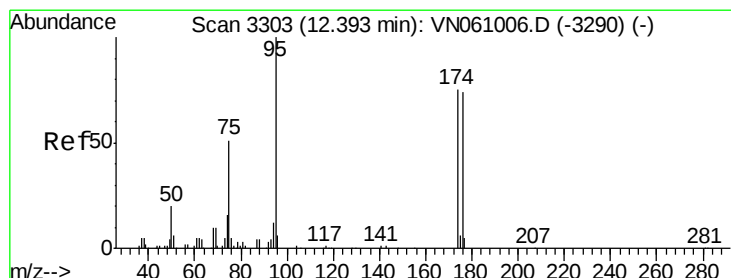
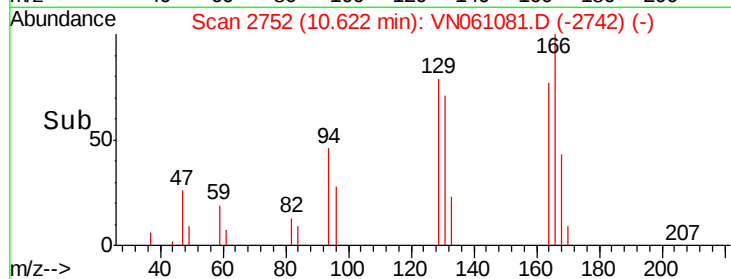
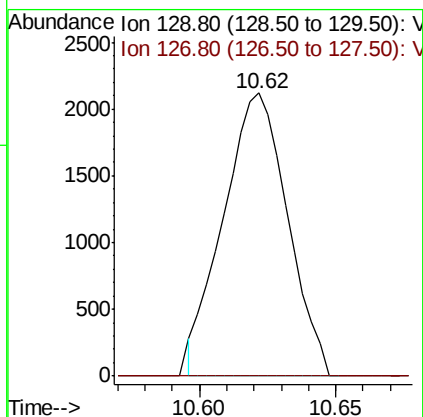
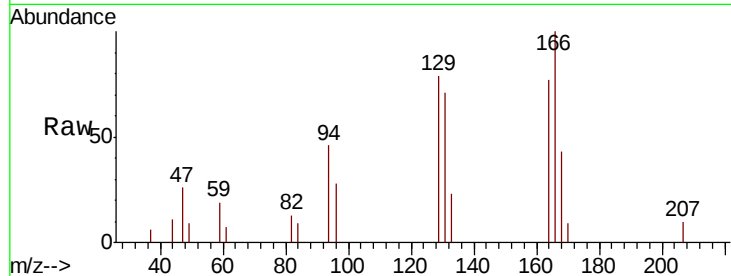




#60
 Dibromochloromethane
 Concen: 1.925 ug/l
 RT: 10.62 min Scan# 2752
 Delta R.T. -0.27 min
 Lab File: VN061081.D
 Acq: 18 Apr 2020 3:29

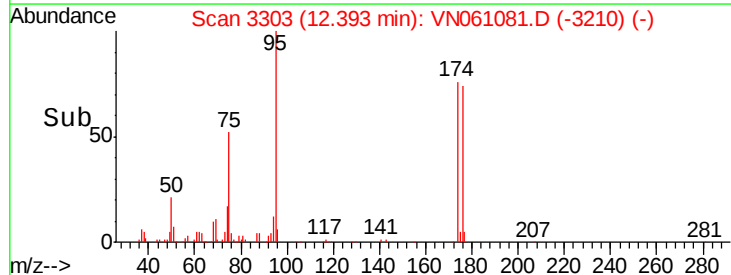
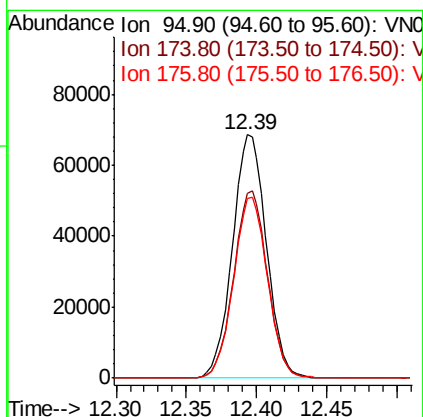
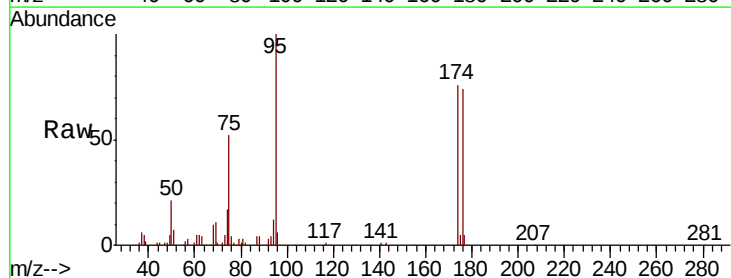
Instrument :
 MSVOA_N
 ClientSampled :

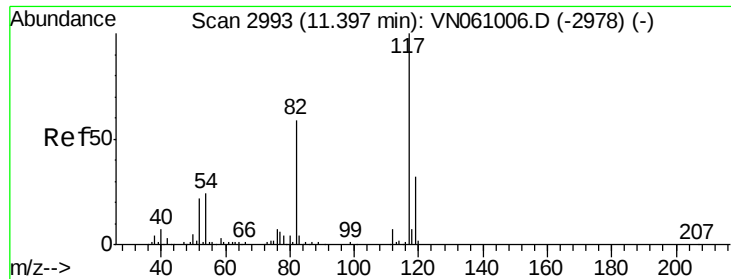
Tot Ion:129 Resp: 3455
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 116.9#



#62
 4-Bromofluorobenzene
 Concen: 53.172 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061081.D
 Acq: 18 Apr 2020 3:29

Tgt Ion: 95 Resp: 115628
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 151.2
 176 74.4 0.0 148.2

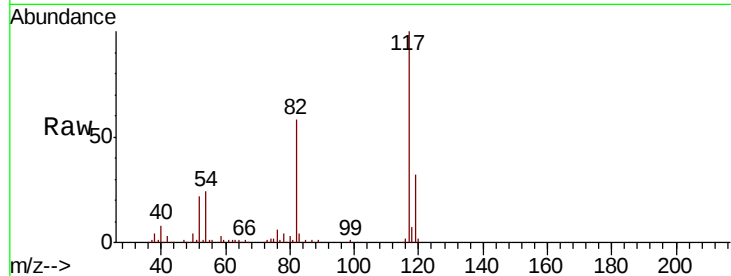




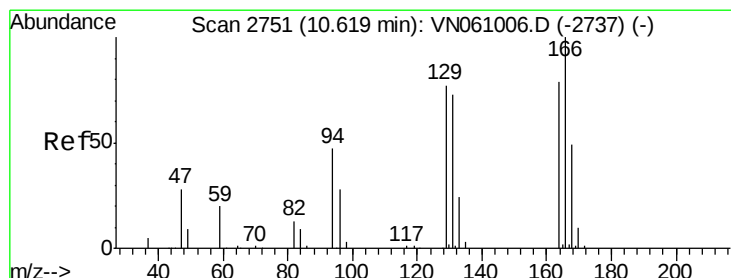
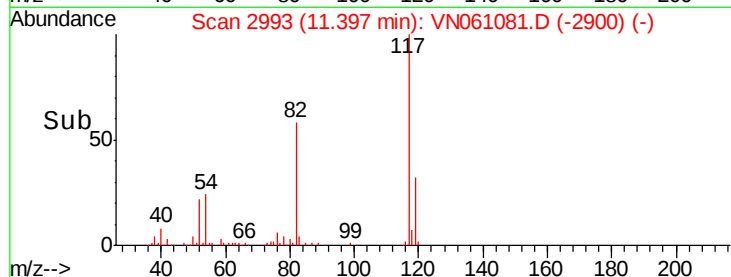
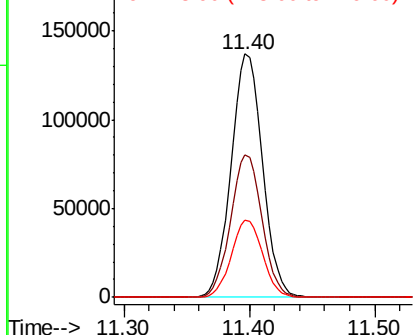
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061081.D
Acq: 18 Apr 2020 3:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 239000
Ion Ratio Lower Upper
117 100
82 58.5 47.1 70.7
119 31.7 25.7 38.5

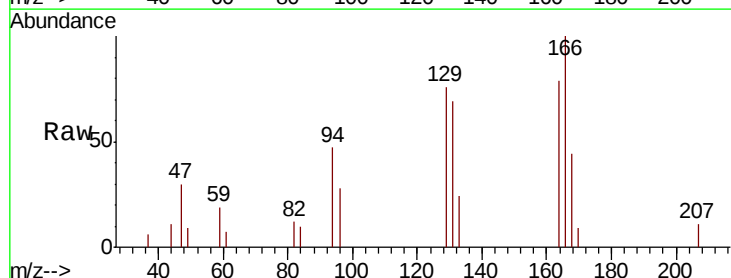


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

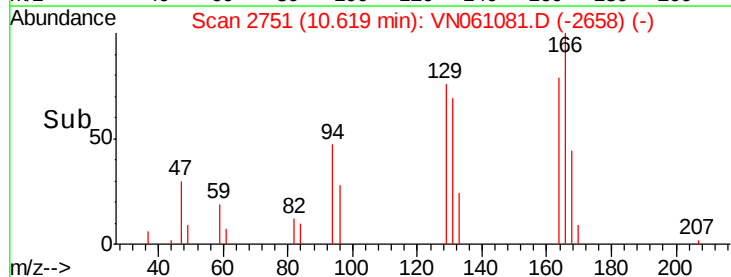
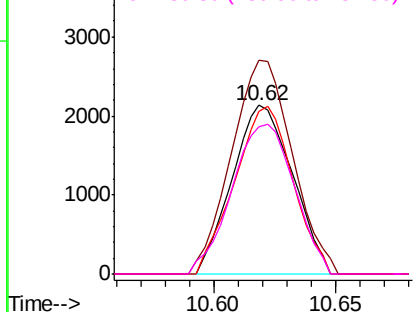


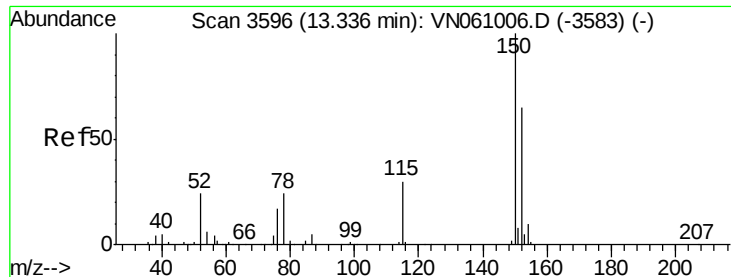
#64
Tetrachloroethene
Concen: 2.003 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061081.D
Acq: 18 Apr 2020 3:29

Tgt Ion:164 Resp: 3664
Ion Ratio Lower Upper
164 100
166 126.5 101.6 152.4
129 96.3 78.5 117.7
131 87.1 74.3 111.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VN061081.D

Acq: 18 Apr 2020 3:29

Instrument :

MSVOA_N

ClientSampled :

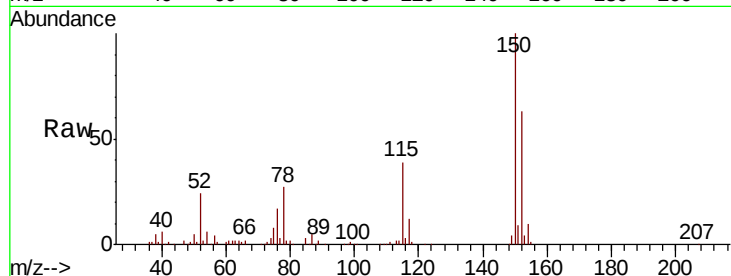
Tot Ion:152 Resp: 103246

Ion Ratio Lower Upper

152 100

115 61.1 30.8 92.4

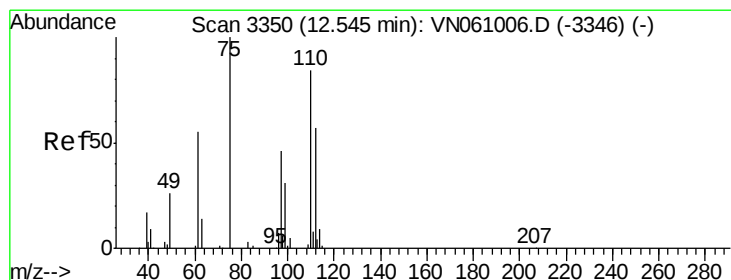
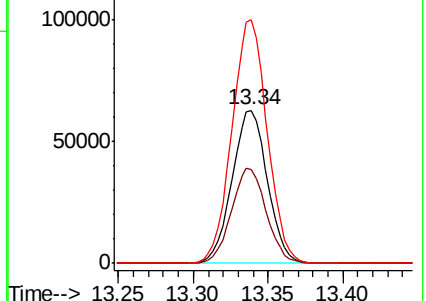
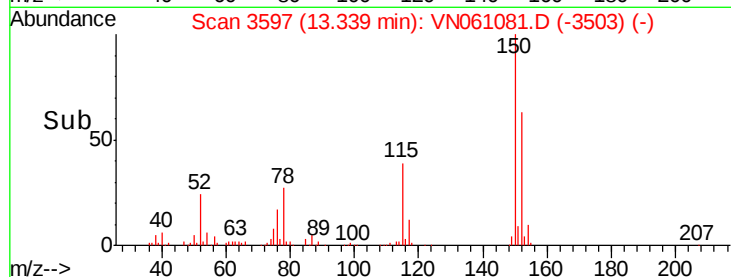
150 158.5 0.0 349.0



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: 26.013 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061081.D

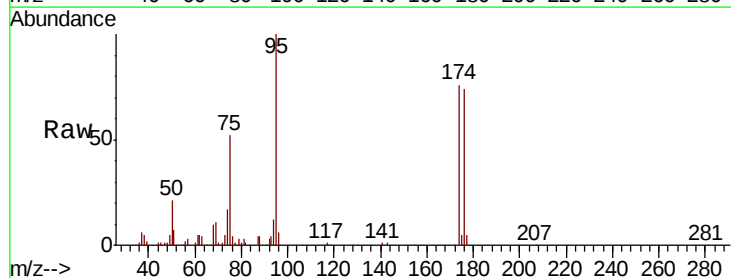
Acq: 18 Apr 2020 3:29

Tgt Ion: 75 Resp: 59075

Ion Ratio Lower Upper

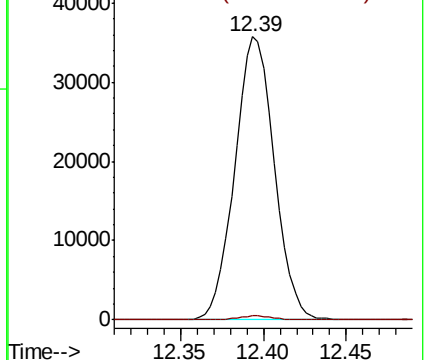
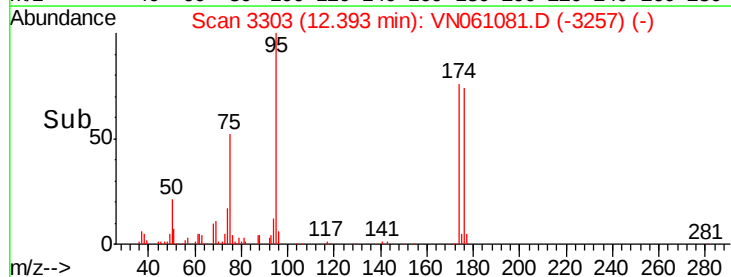
75 100

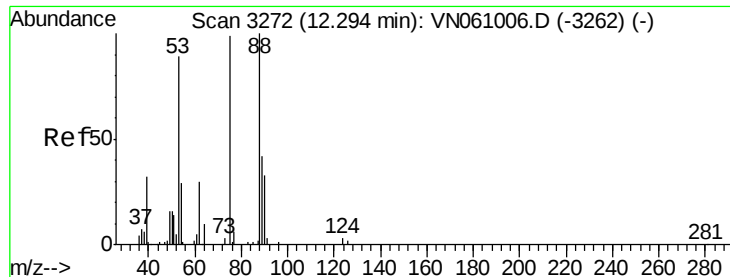
77 1.1 0.0 0.0#



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: 64.163 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061081.D

Acq: 18 Apr 2020 3:29

Instrument :

MSVOA_N

ClientSampleId :

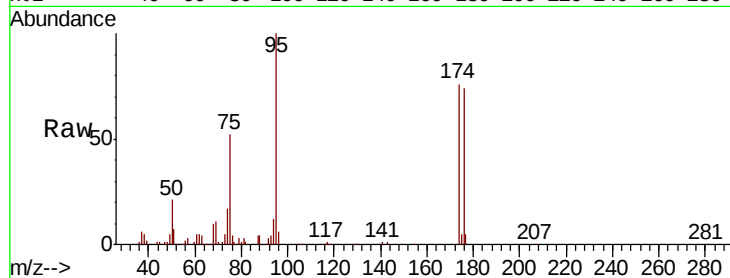
Tot Ion: 75 Resp: 59075

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

