

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061044.D
 Acq On : 17 Apr 2020 12:44
 Operator : JC/MD
 Sample : L2231-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:30:42 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	164819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	275373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110733	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	109827	52.08	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.56	113	81936	50.95	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	338836	55.76	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.39	95	124546	52.29	ug/l	0.00
Spiked Amount						

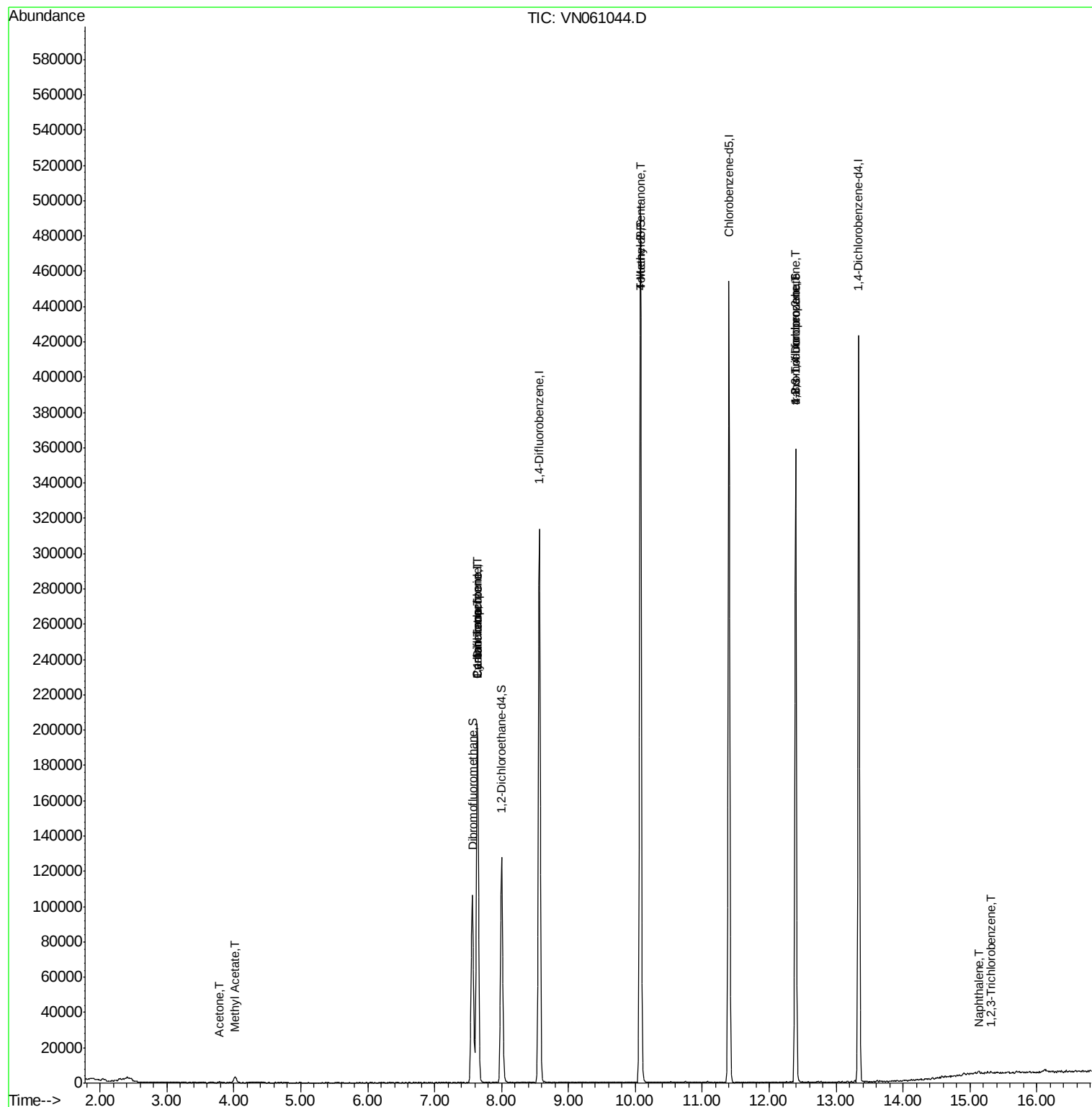
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1084	1.168	ug/l #	44
18) Methyl Acetate	4.00	43	1090	0.375	ug/l #	54
31) Cyclohexane	7.64	56	3556	0.905	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12952	4.558	ug/l #	49
38) Carbon Tetrachloride	7.64	117	16110	6.811	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1482	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	63329	26.001	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	63329	64.133	ug/l #	12
95) Naphthalene	15.13	128	1668	0.274	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	452	0.225	ug/l #	79

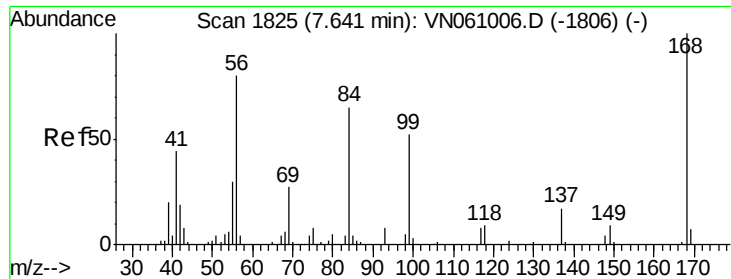
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 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: VN061044.D

Acq: 17 Apr 2020 12:44

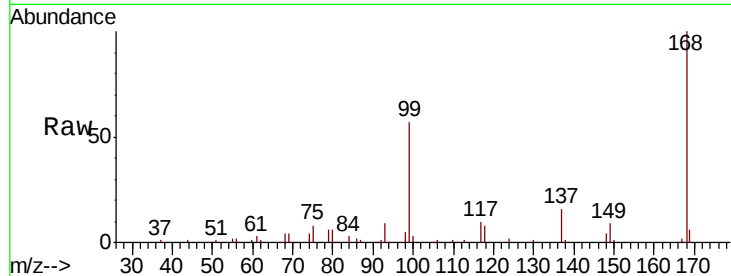
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 164819

Ion Ratio Lower Upper

168 100

99 56.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

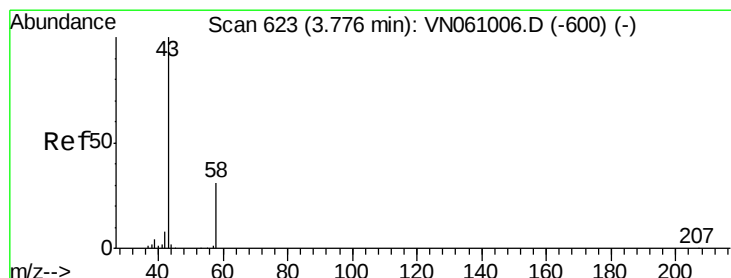
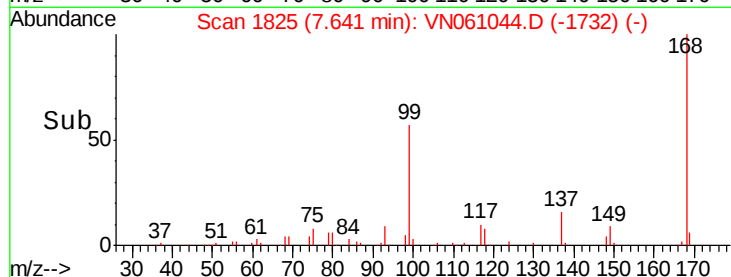
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 1.168 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN061044.D

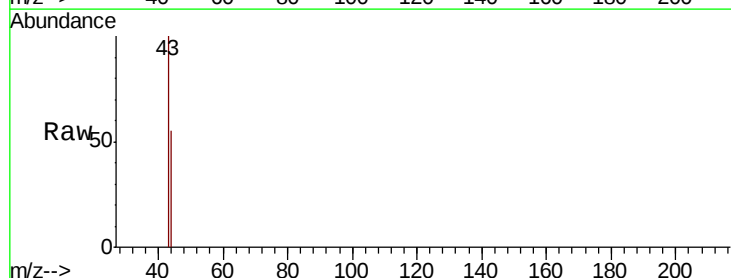
Acq: 17 Apr 2020 12:44

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

500

400

300

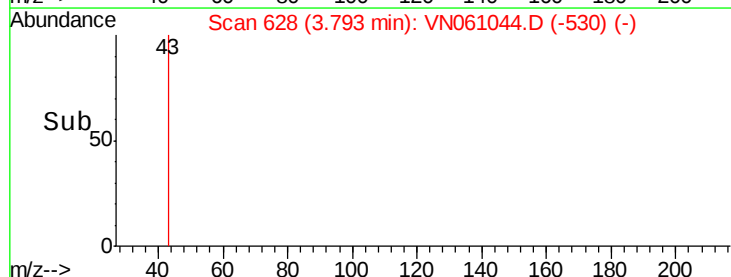
200

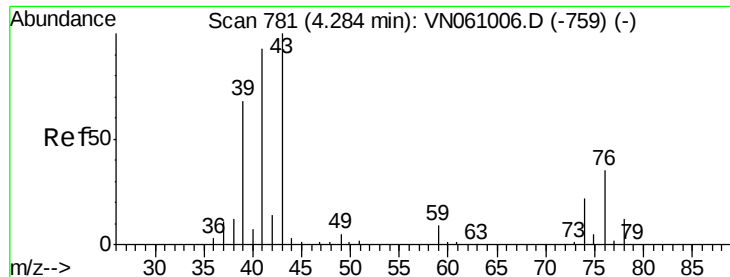
100

0

3.75 3.80

Time-->

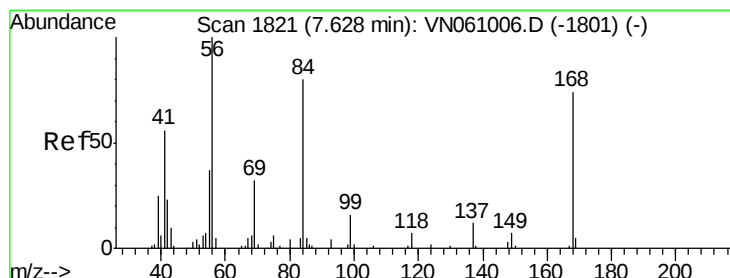
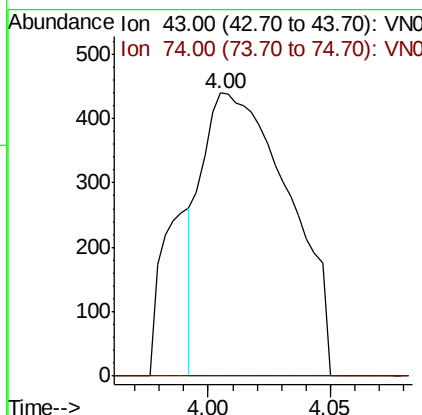
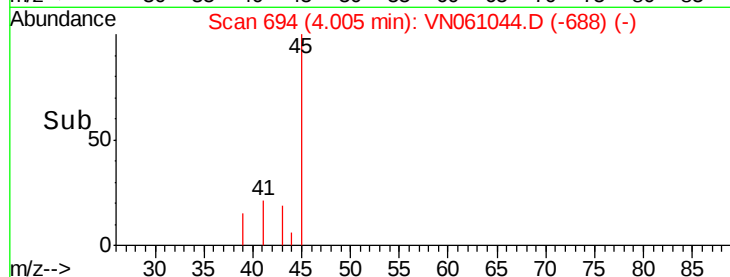
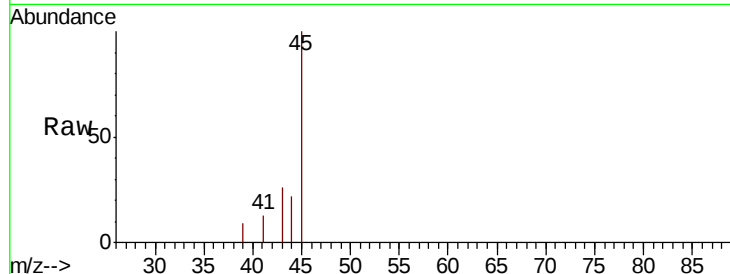




#18
Methvl Acetate
Concen: 0.375 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.28 min
Lab File: VN061044.D
Acq: 17 Apr 2020 12:44

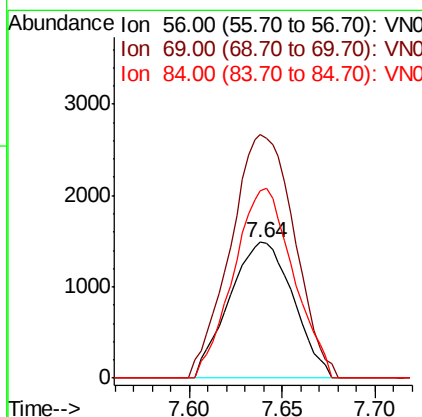
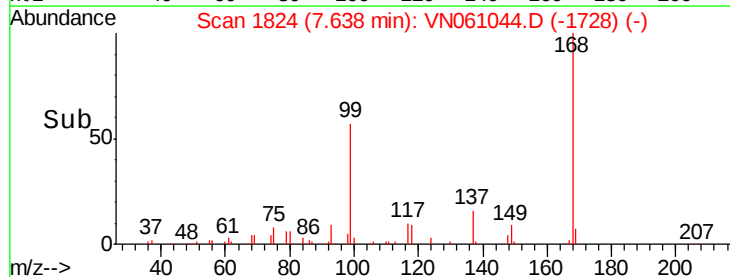
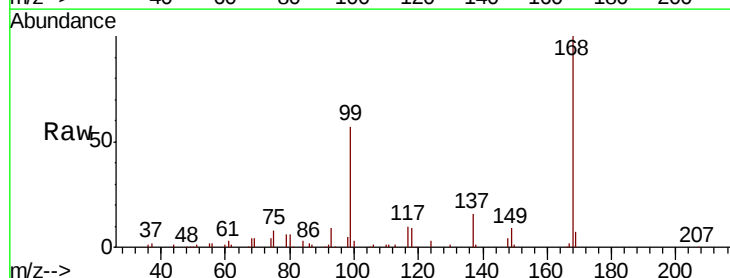
Instrument :
MSVOA_N
ClientSampleId :

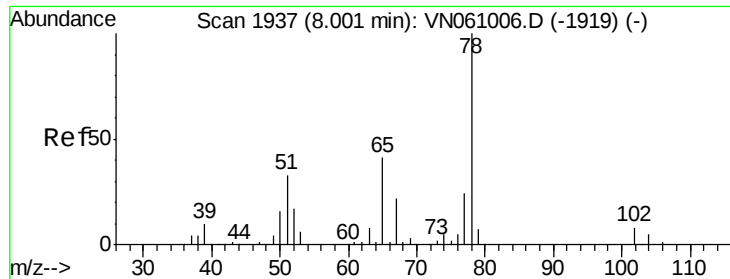
Tot Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#31
Cyclohexane
Concen: 0.905 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061044.D
Acq: 17 Apr 2020 12:44

Tgt Ion: 56 Resp: 3556
Ion Ratio Lower Upper
56 100
69 179.7 25.6 38.4#
84 138.1 63.4 95.2#





#33

1,2-Dichloroethane-d4

Concen: 52.082 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

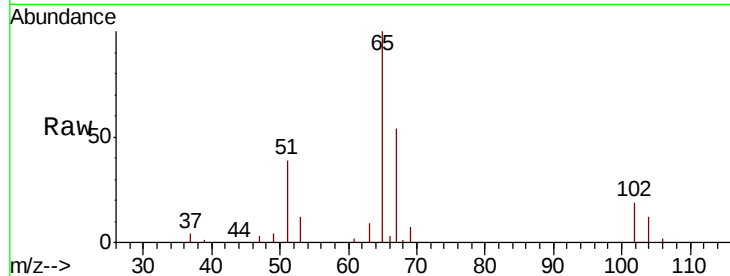
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 109827

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN061006.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN061006.D (-1919) (-)

8.00

50000

40000

30000

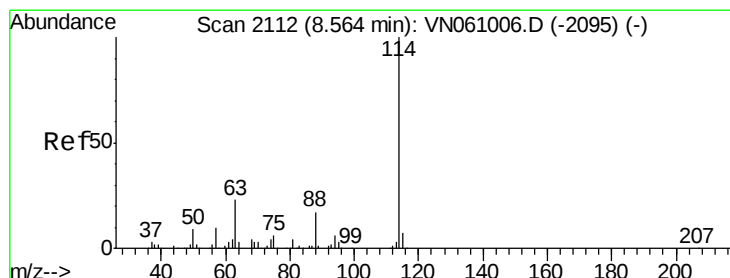
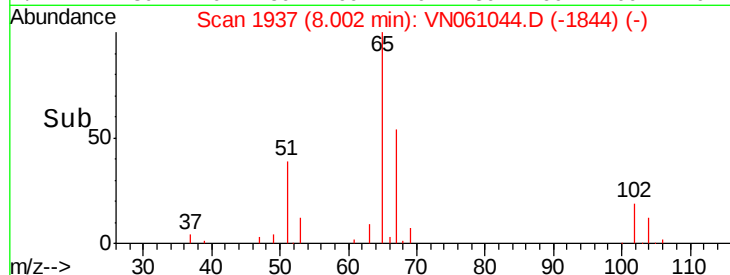
20000

10000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

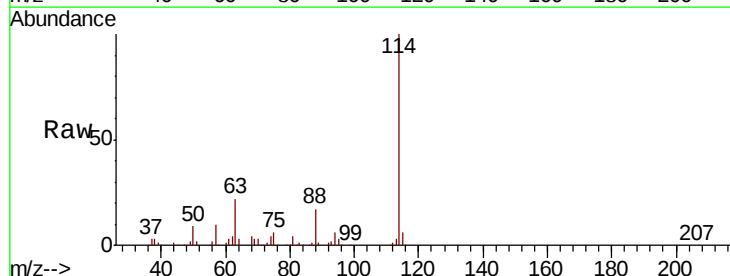
Tgt Ion: 114 Resp: 275373

Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

88 16.5 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061006.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN061006.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN061006.D (-2095) (-)

8.56

150000

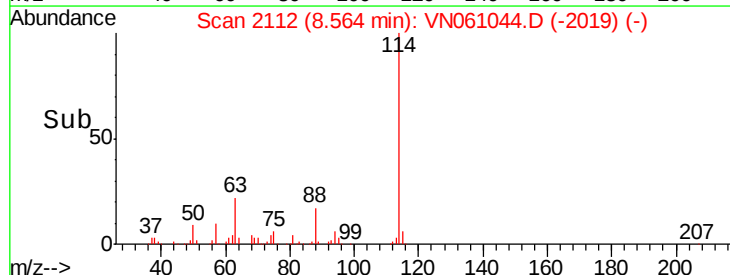
100000

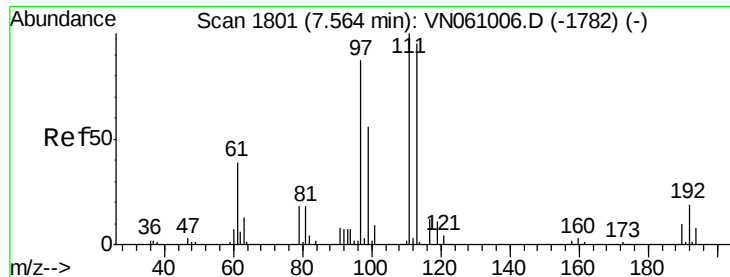
50000

0

Time-->

8.50 8.55 8.60 8.65 8.70

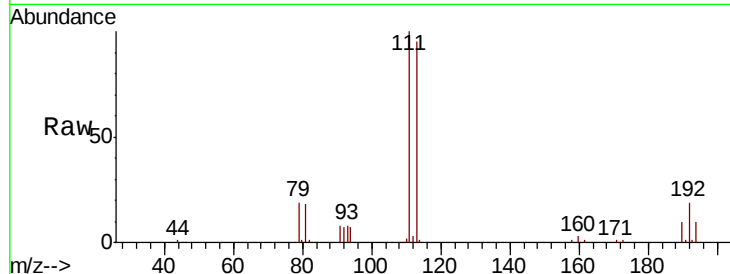




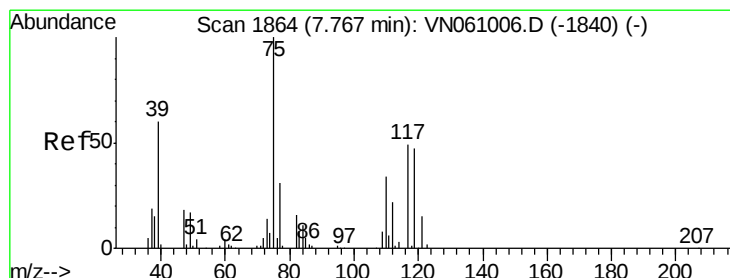
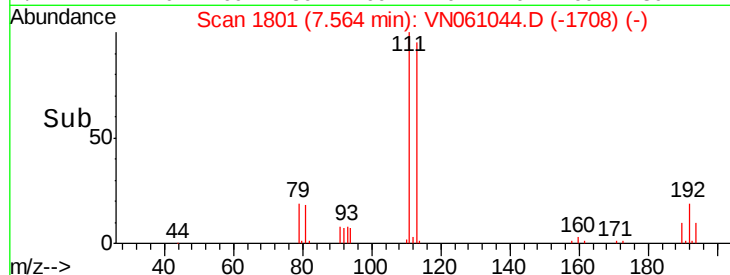
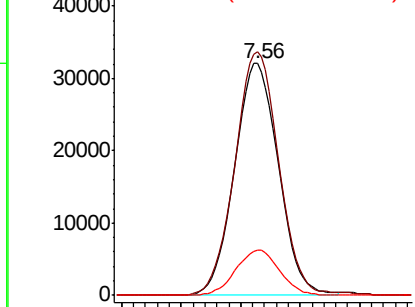
#35
 Dibromofluoromethane
 Concen: 50.951 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061044.D
 Acq: 17 Apr 2020 12:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 81936
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.4 125.2
 192 19.4 15.5 23.3

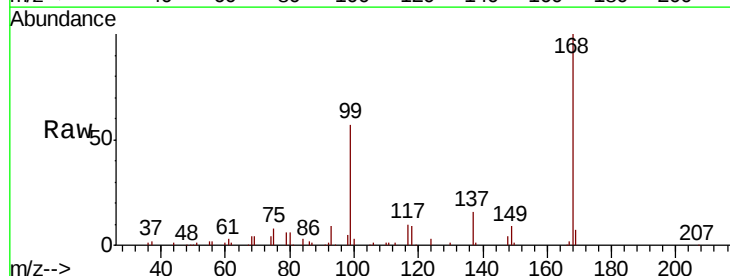


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

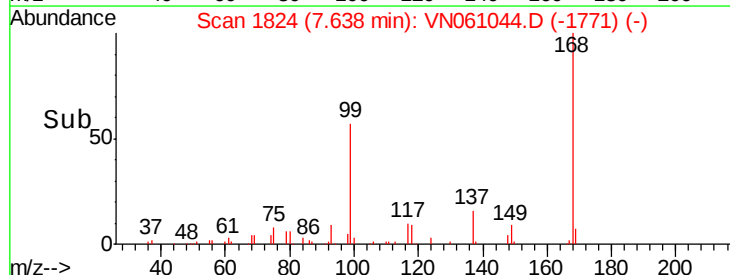
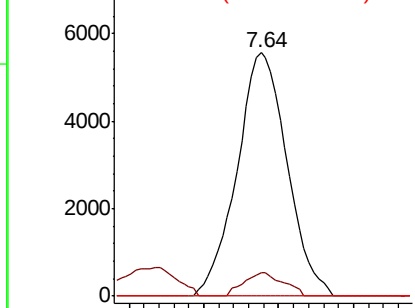


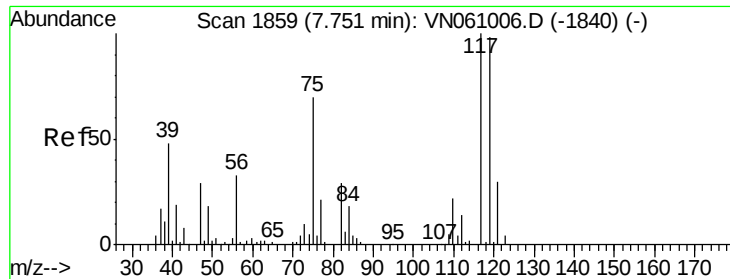
#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061044.D
 Acq: 17 Apr 2020 12:44

Tgt Ion: 75 Resp: 12952
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.8 50.3#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.811 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

Instrument :

MSVOA_N

ClientSampleId :

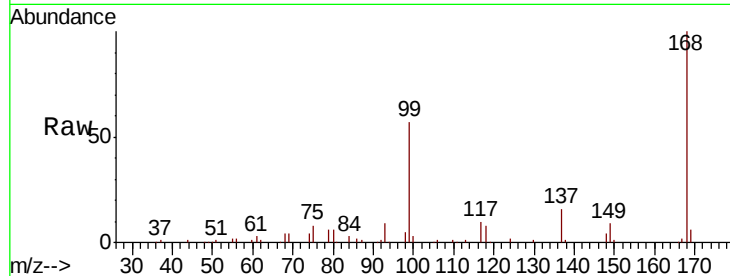
Tot Ion:117 Resp: 16110

Ion Ratio Lower Upper

117 100

119 4.5 78.1 117.1#

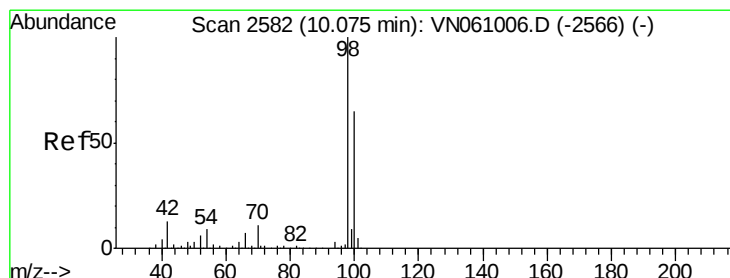
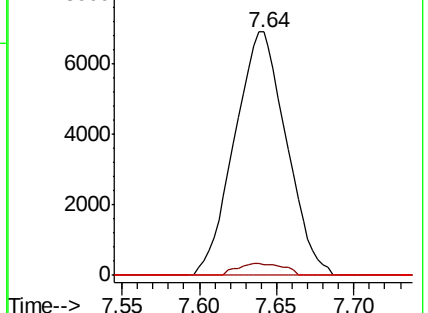
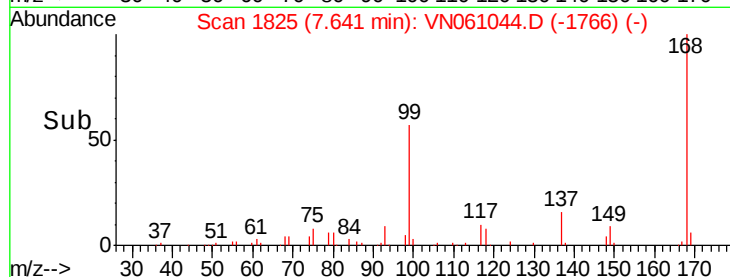
121 0.0 24.0 36.0#



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: 55.759 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061044.D

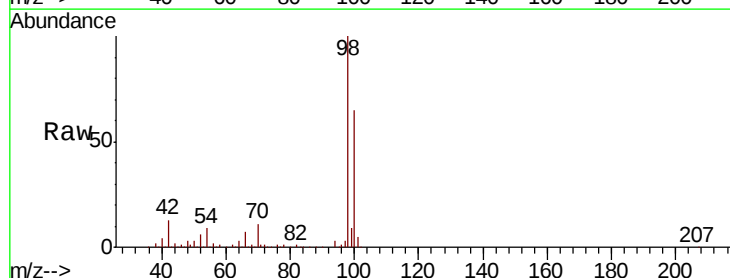
Acq: 17 Apr 2020 12:44

Tgt Ion: 98 Resp: 338836

Ion Ratio Lower Upper

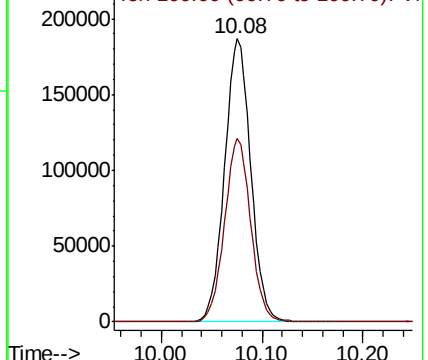
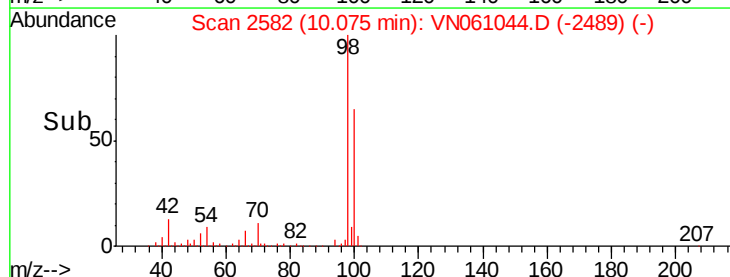
98 100

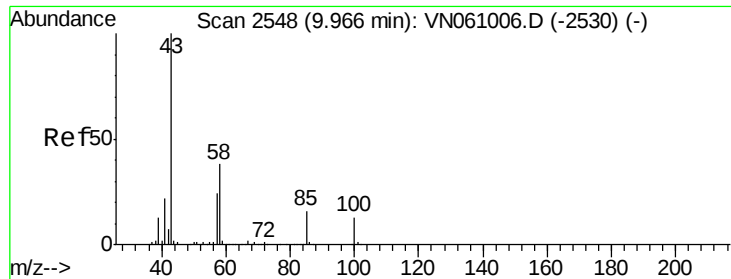
100 64.5 51.9 77.9



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: 0.512 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

Instrument :

MSVOA_N

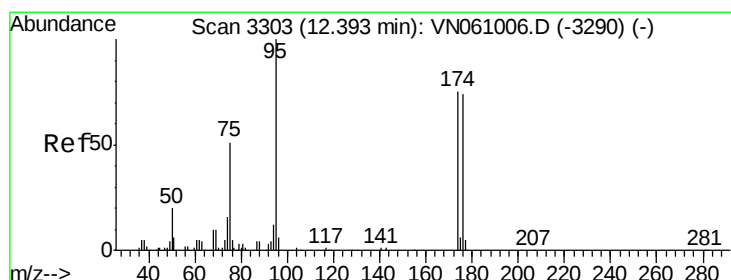
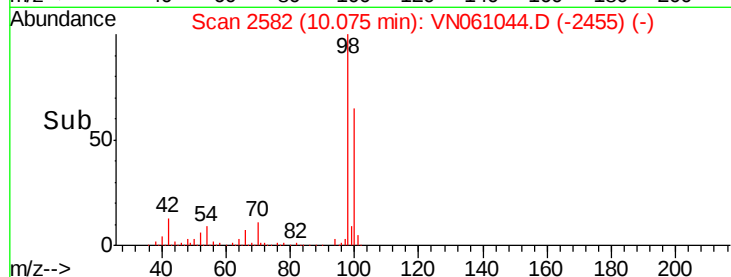
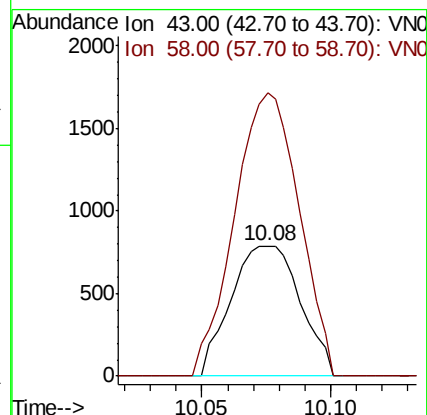
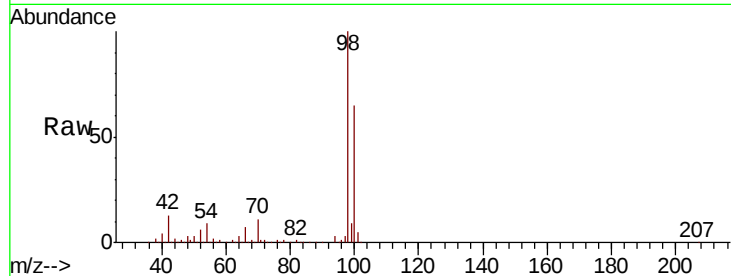
ClientSampleId :

Tot Ion: 43 Resp: 1482

Ion Ratio Lower Upper

43 100

58 202.4 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 52.293 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

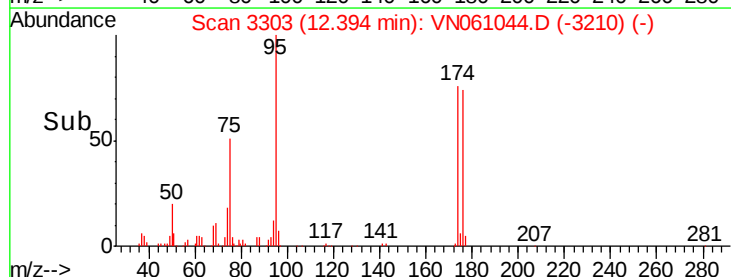
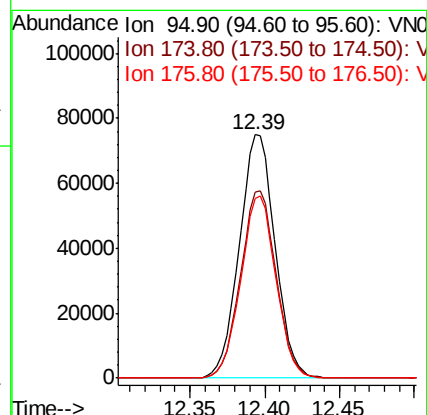
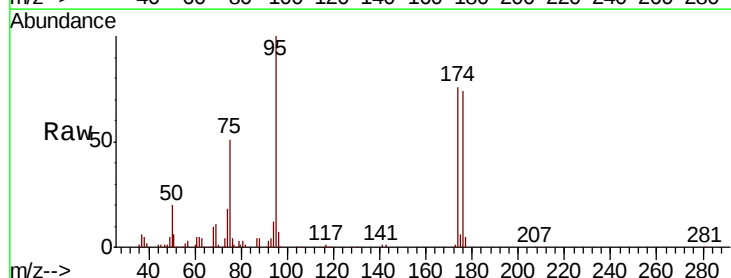
Tgt Ion: 95 Resp: 124546

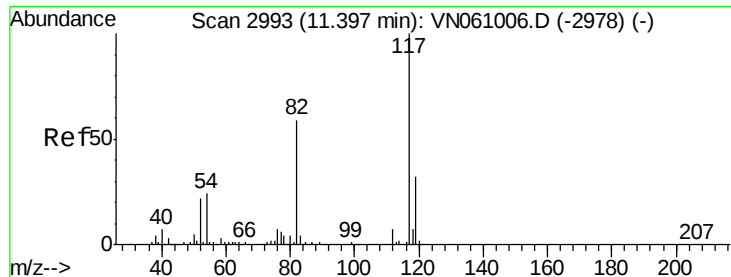
Ion Ratio Lower Upper

95 100

174 76.8 0.0 151.2

176 73.7 0.0 148.2

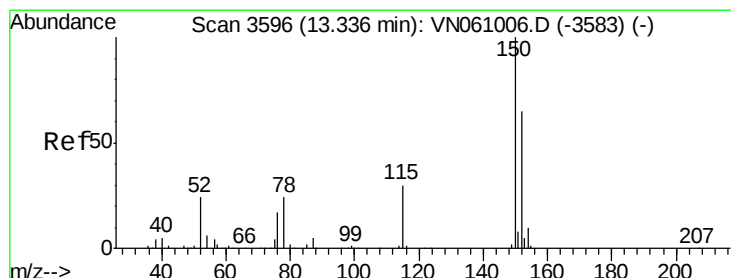
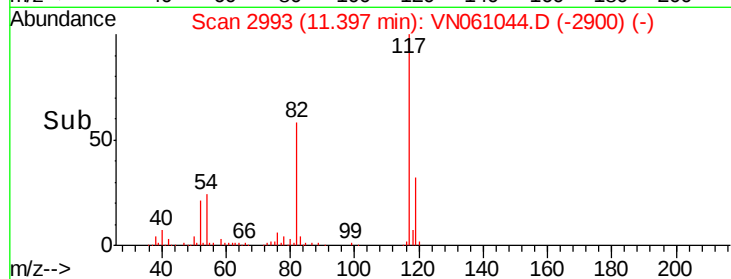
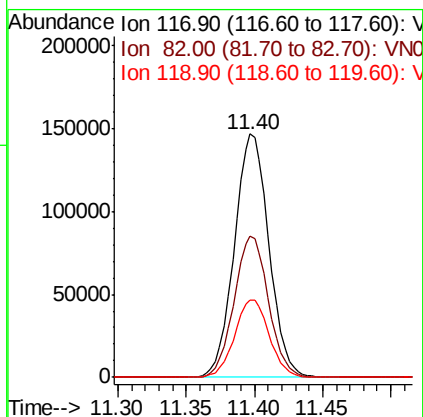
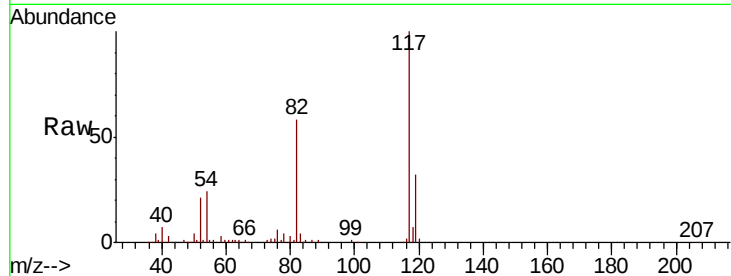




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061044.D
Acq: 17 Apr 2020 12:44

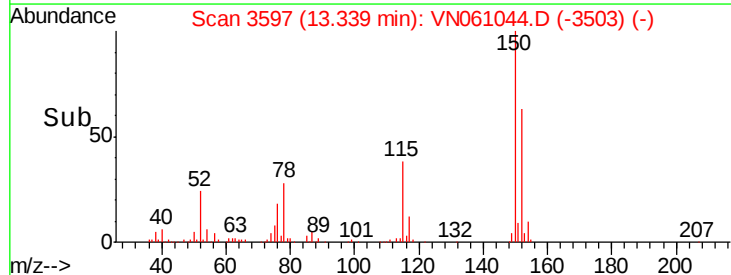
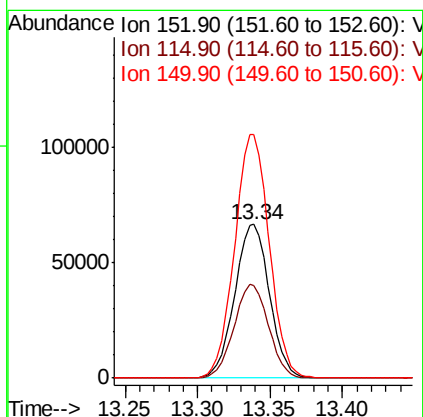
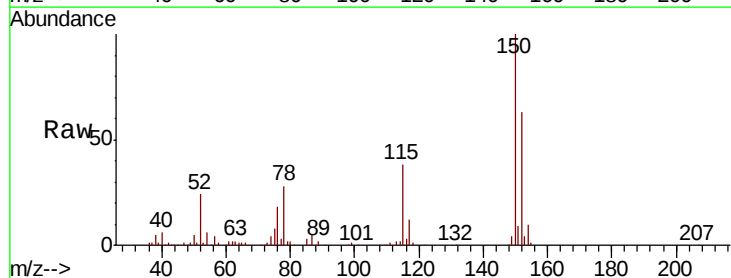
Instrument :
MSVOA_N
ClientSampleId :

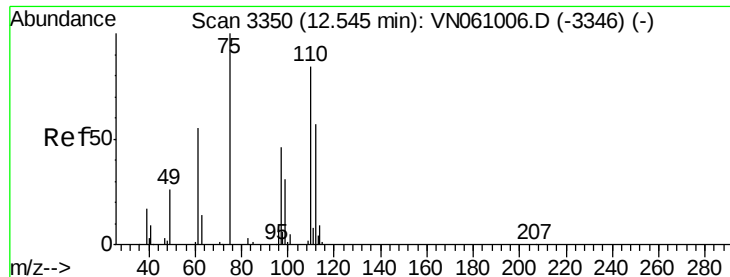
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.1	70.7
119	31.9	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061044.D
Acq: 17 Apr 2020 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.8	92.4
150	158.1	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 26.001 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

Instrument :

MSVOA_N

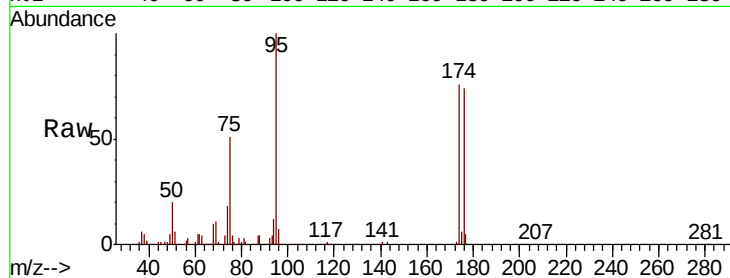
ClientSampled :

Tot Ion: 75 Resp: 63329

Ion Ratio Lower Upper

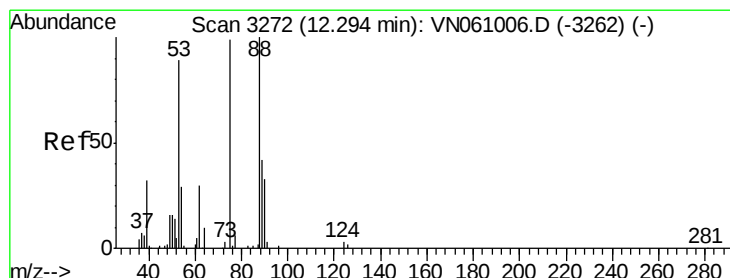
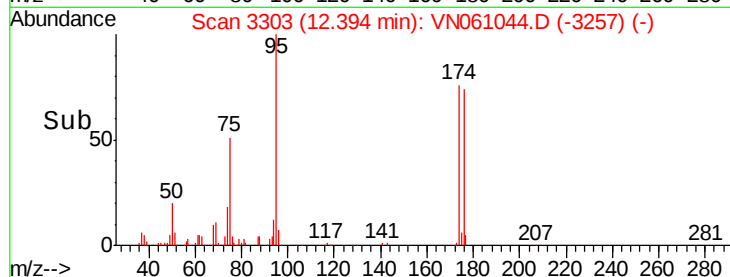
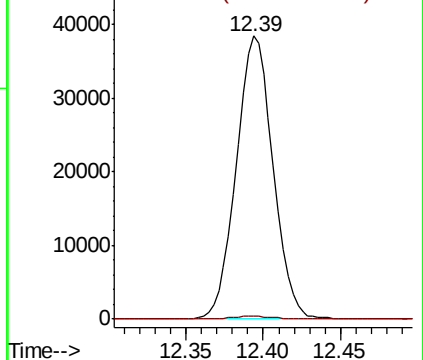
75 100

77 1.0 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: 64.133 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

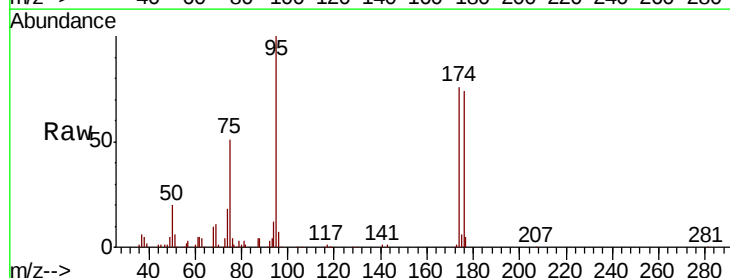
Tgt Ion: 75 Resp: 63329

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

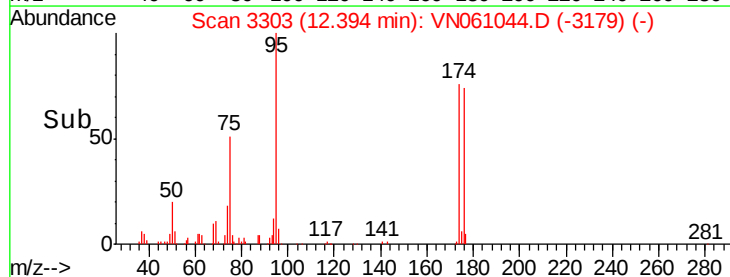
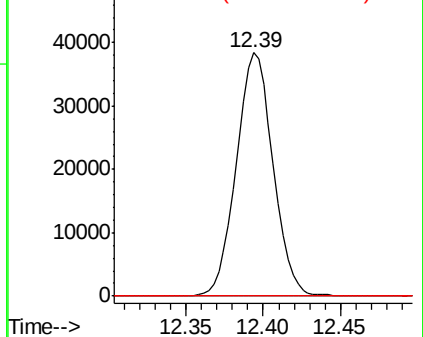
89 0.0 34.6 52.0#

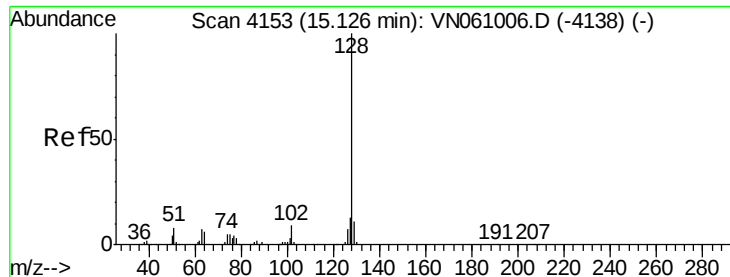


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 0.274 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.01 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

Instrument :

MSVOA_N

ClientSampleId :

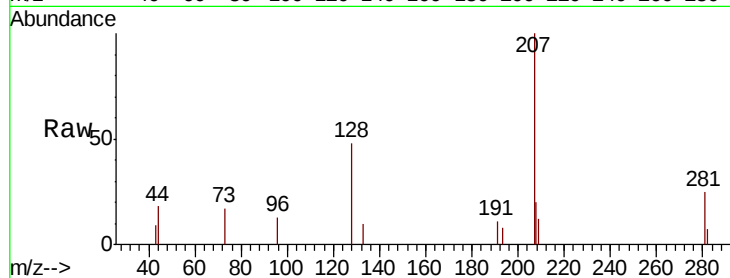
Tot Ion:128 Resp: 1668

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

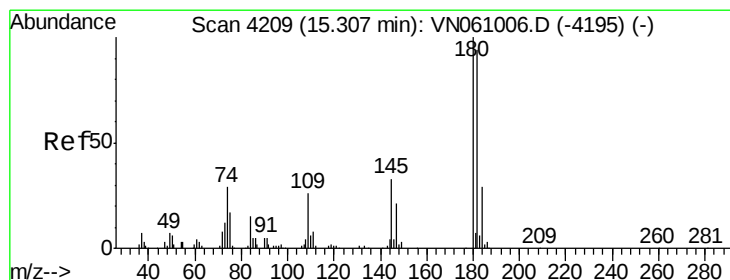
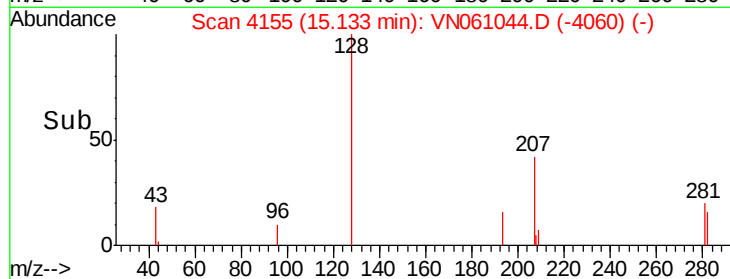
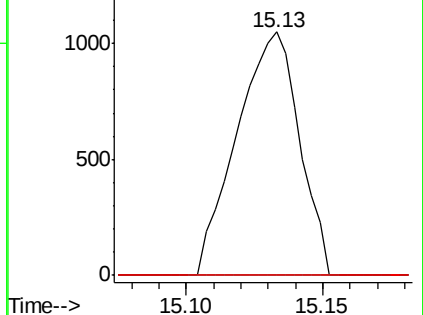
129 0.0 8.6 13.0#



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: 0.225 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN061044.D

Acq: 17 Apr 2020 12:44

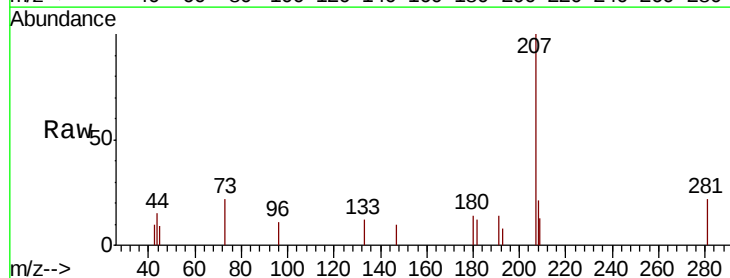
Tgt Ion:180 Resp: 452

Ion Ratio Lower Upper

180 100

182 87.4 47.6 142.8

145 0.0 16.4 49.2#



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

