

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061106.D
 Acq On : 20 Apr 2020 16:59
 Operator : JC/MD
 Sample : L2330-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2

Quant Time: Apr 21 04:00:44 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	146269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	250885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101538	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	100547	53.73	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.56	113	76244	52.04	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	309497	55.90	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	113311	52.22	ug/l	0.00
Spiked Amount						

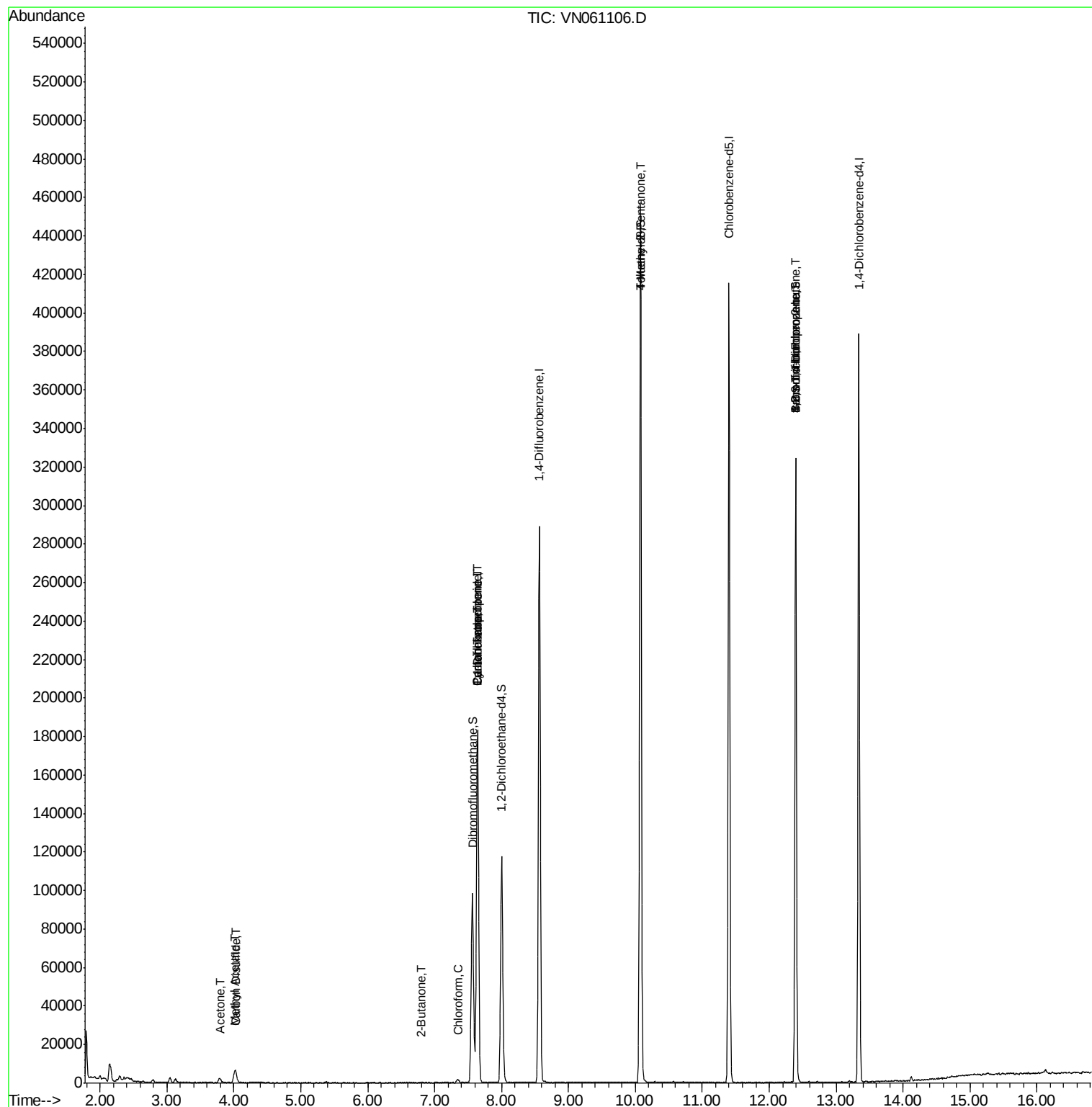
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4364	5.298	ug/l	97
17) Carbon Disulfide	4.03	76	2913	0.582	ug/l #	74
18) Methyl Acetate	4.02	43	2311	0.895	ug/l #	54
25) 2-Butanone	6.80	43	445	0.353	ug/l #	51
30) Chloroform	7.35	83	1993	0.629	ug/l	96
31) Cyclohexane	7.64	56	3176	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12151	4.693	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14270	6.622	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1503	0.570	ug/l #	1
71) Bromoform	12.39	173	330	0.254	ug/l #	28
76) 1,2,3-Trichloropropane	12.39	75	58793	26.324	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	58793	64.931	ug/l #	12

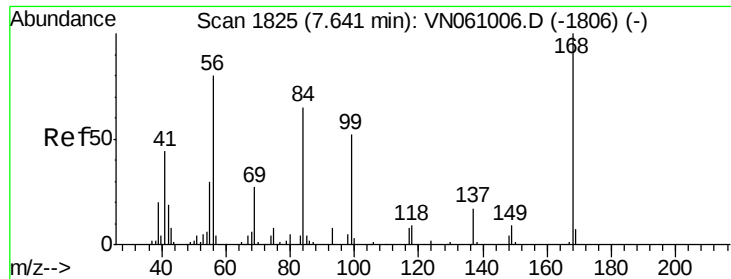
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061106.D

Acq: 20 Apr 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

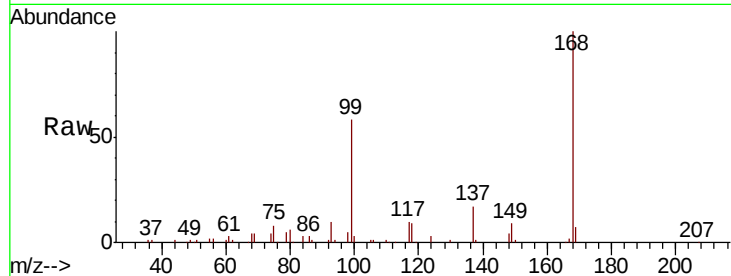
PA-TWP-2

Tot Ion:168 Resp: 146269

Ion Ratio Lower Upper

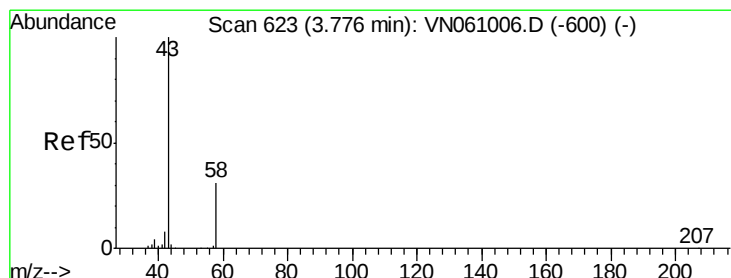
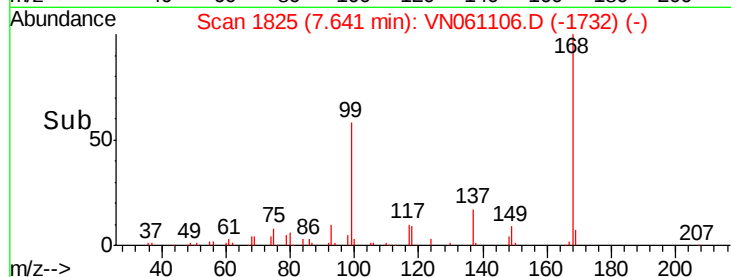
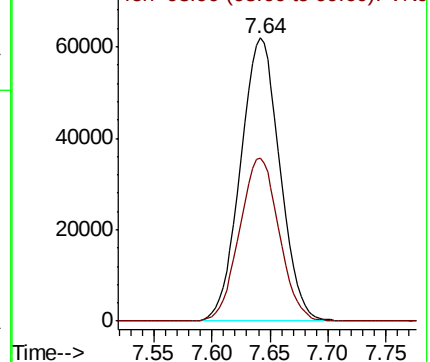
168 100

99 57.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 5.298 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061106.D

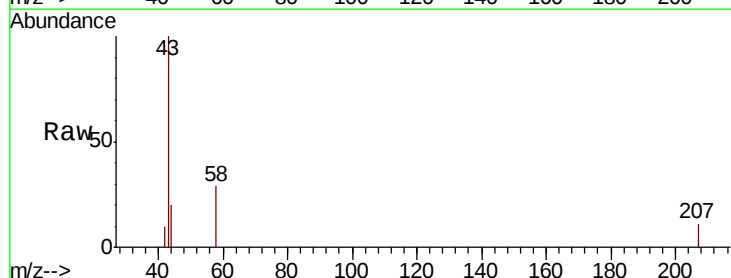
Acq: 20 Apr 2020 16:59

Tgt Ion: 43 Resp: 4364

Ion Ratio Lower Upper

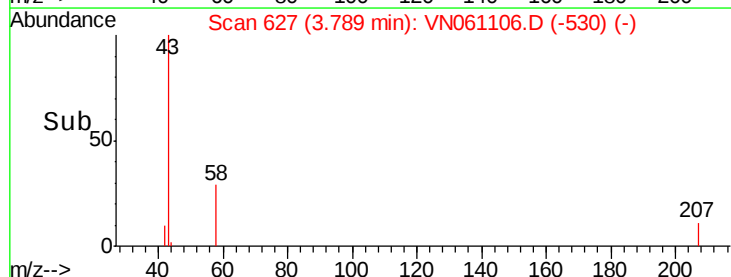
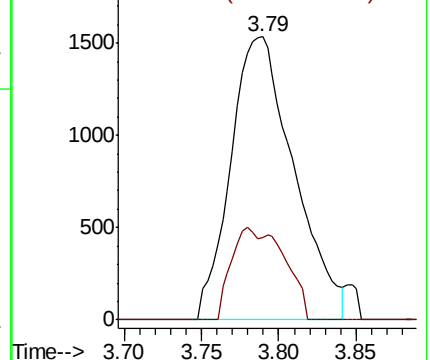
43 100

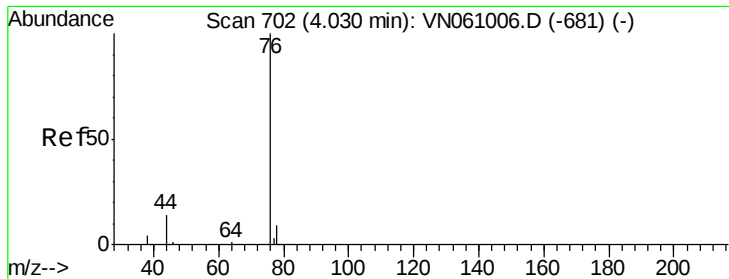
58 28.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: 0.582 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061106.D

Acq: 20 Apr 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

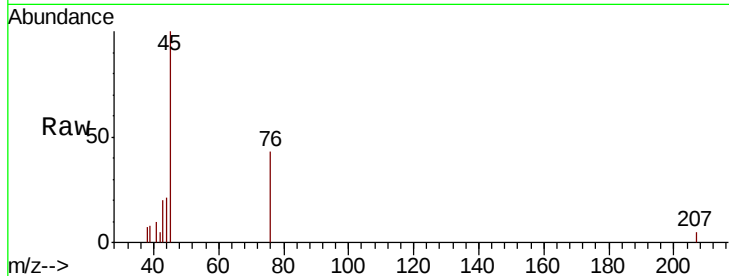
PA-TWP-2

Tot Ion: 76 Resp: 2913

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

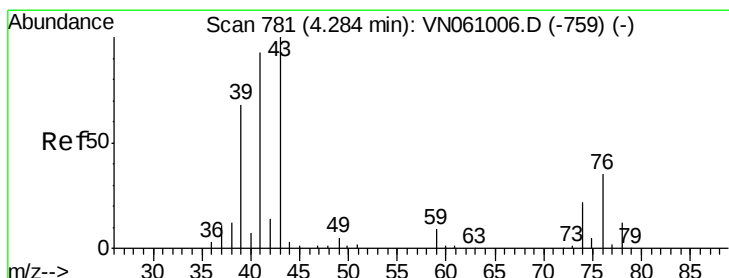
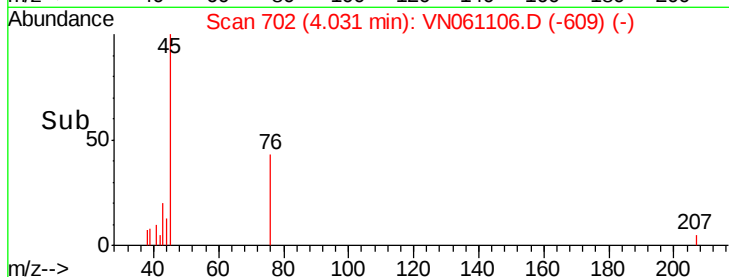
4.03

1000

500

0

Time--> 3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 0.895 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.27 min

Lab File: VN061106.D

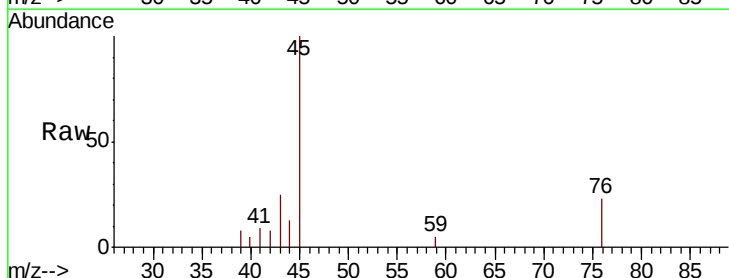
Acq: 20 Apr 2020 16:59

Tgt Ion: 43 Resp: 2311

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1000

800

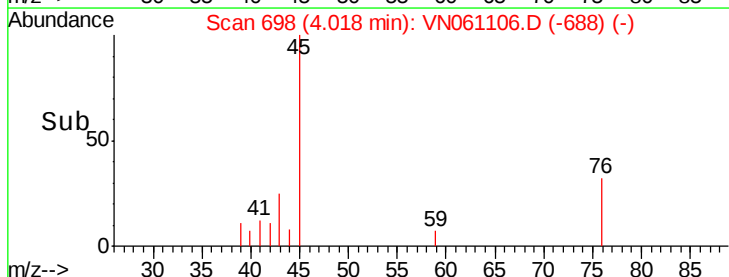
600

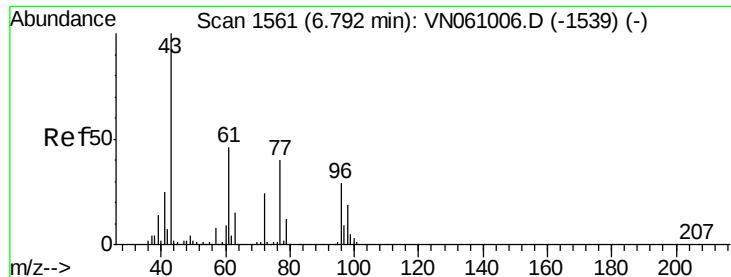
400

200

0

Time--> 4.00 4.05 4.10

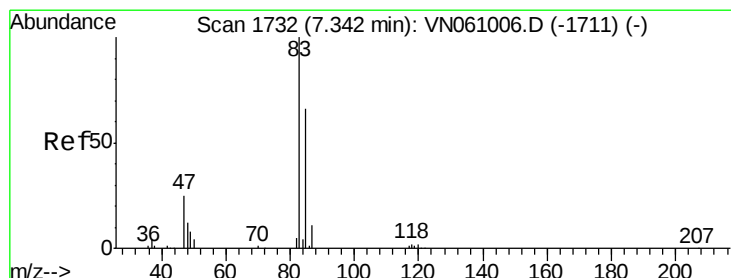
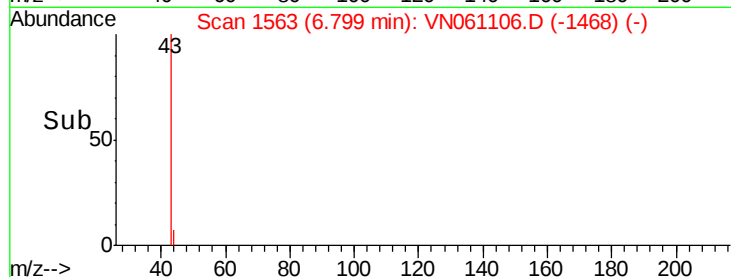
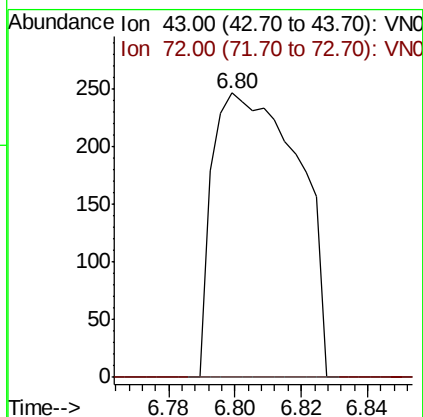
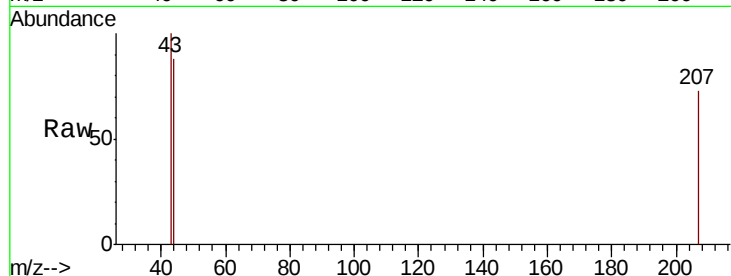




#25
2-Butanone
Concen: 0.353 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN061106.D
Acq: 20 Apr 2020 16:59

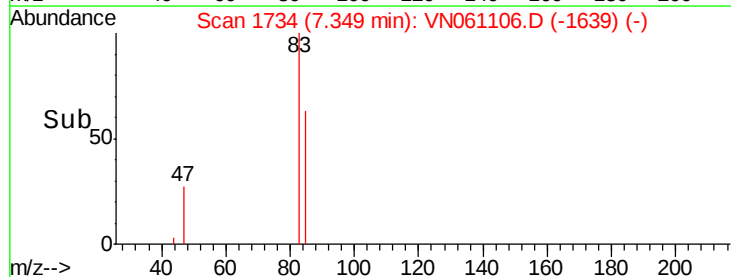
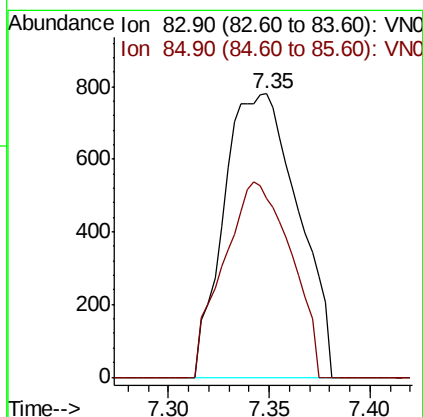
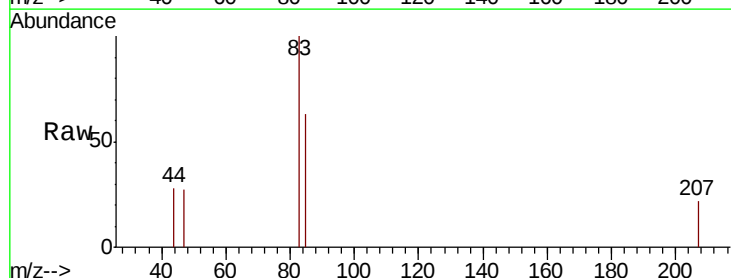
Instrument :
MSVOA_N
ClientSampled :
PA-TWP-2

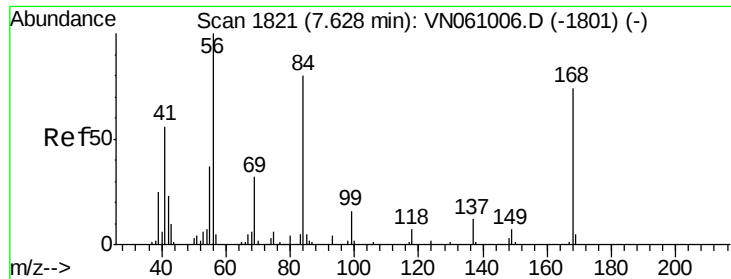
Tot Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#30
Chloroform
Concen: 0.629 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.01 min
Lab File: VN061106.D
Acq: 20 Apr 2020 16:59

Tgt Ion: 83 Resp: 1993
Ion Ratio Lower Upper
83 100
85 63.2 52.8 79.2

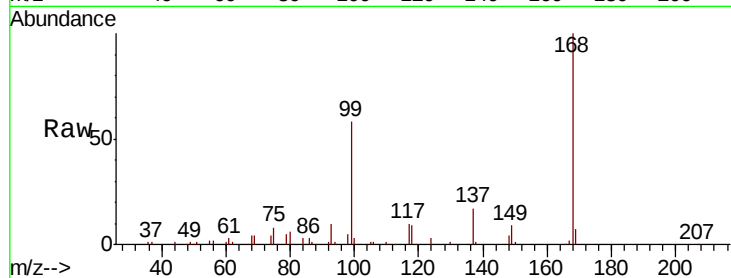




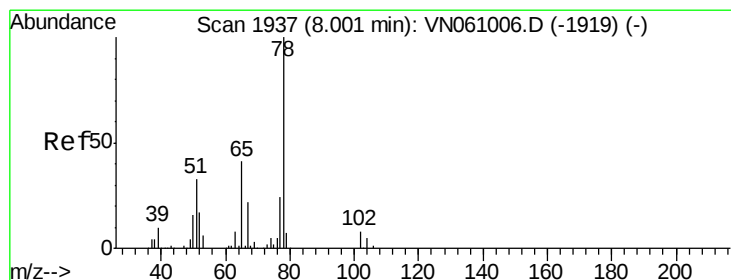
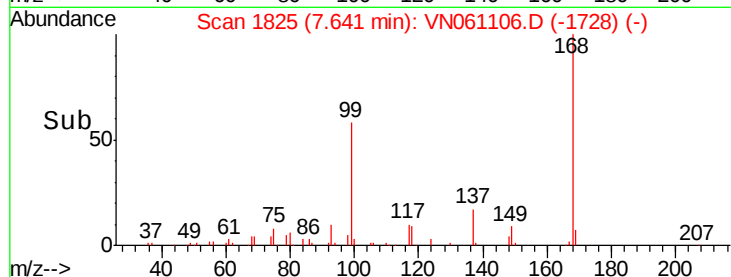
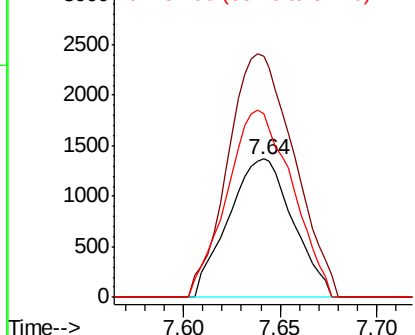
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061106.D
Acq: 20 Apr 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
PA-TWP-2

Tot Ion: 56 Resp: 3176
Ion Ratio Lower Upper
56 100
69 174.4 25.6 38.4#
84 132.9 63.4 95.2#

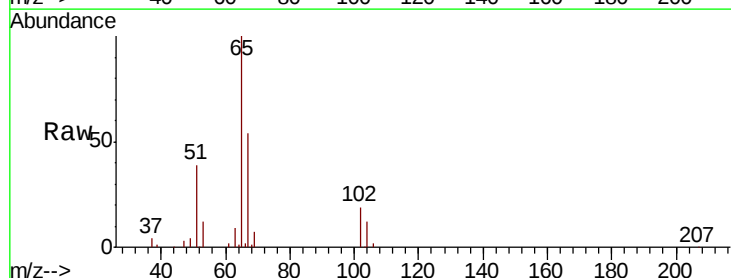


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

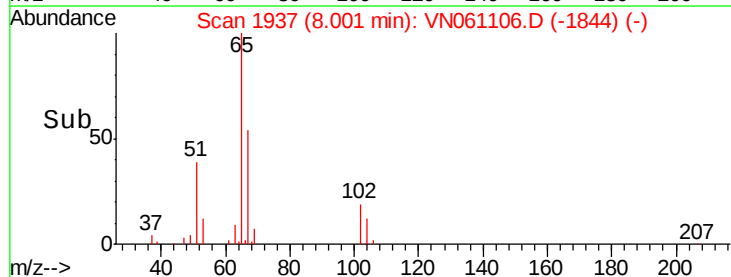
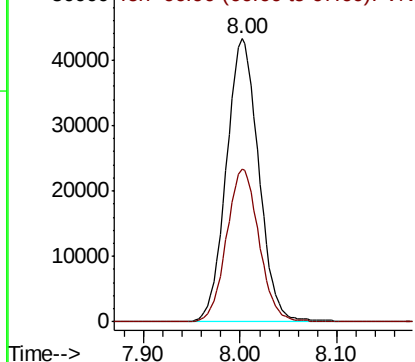


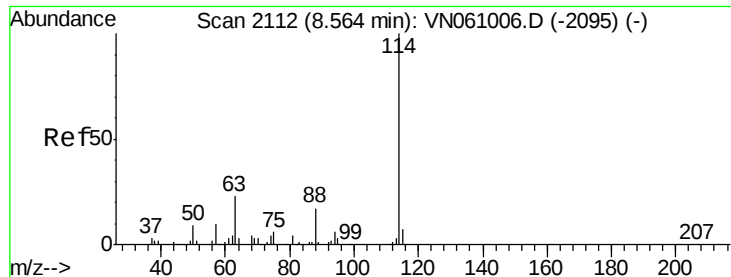
#33
1,2-Dichloroethane-d4
Concen: 53.728 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061106.D
Acq: 20 Apr 2020 16:59

Tgt Ion: 65 Resp: 100547
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.0



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

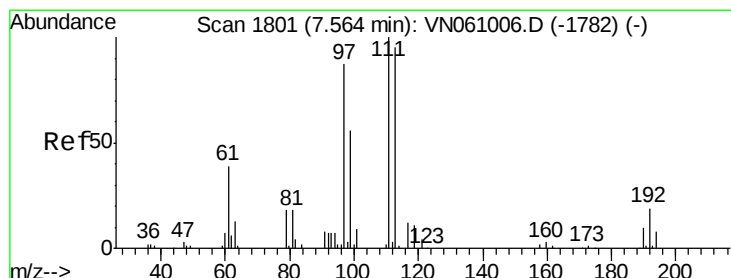
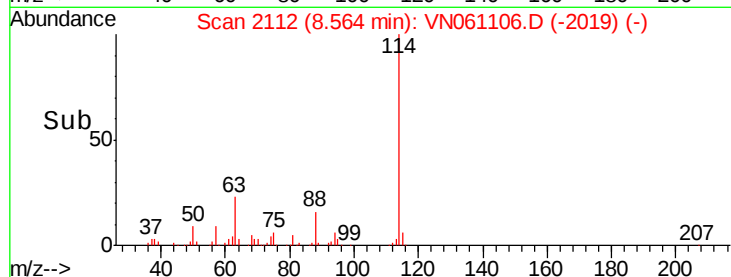
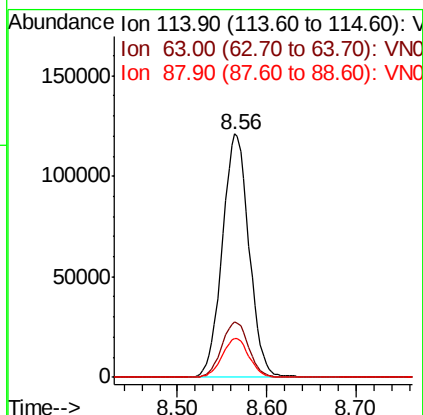
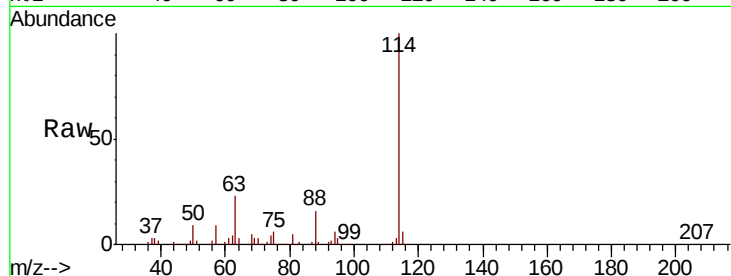




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061106.D
 Acq: 20 Apr 2020 16:59

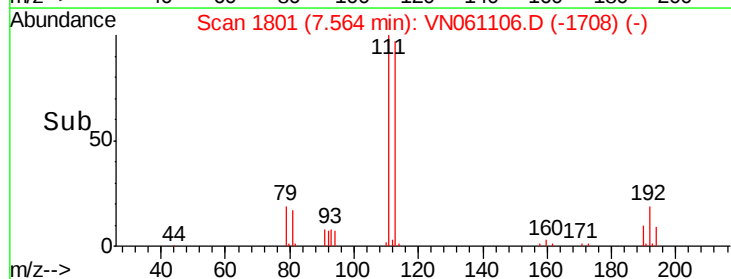
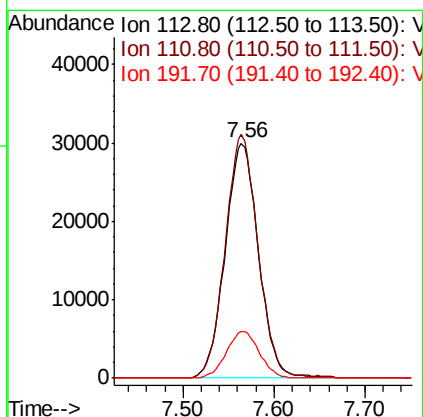
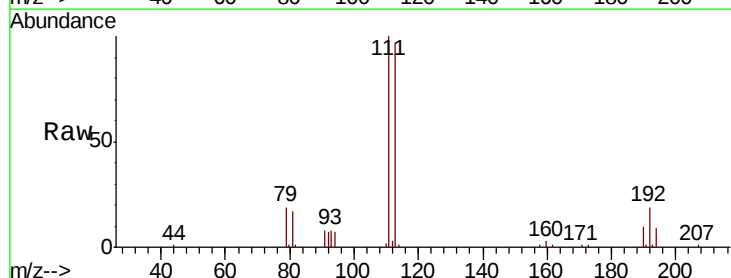
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2

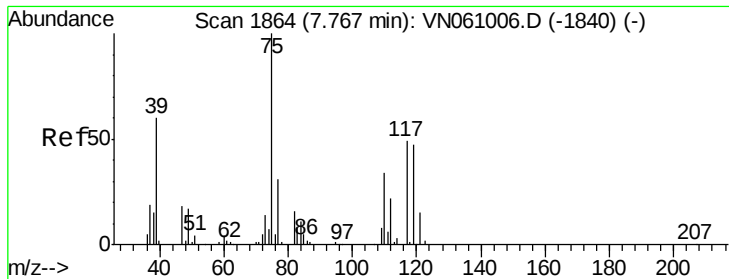
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	46.2
88	16.0	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 52.039 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061106.D
 Acq: 20 Apr 2020 16:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.4	125.2
192	19.6	15.5	23.3

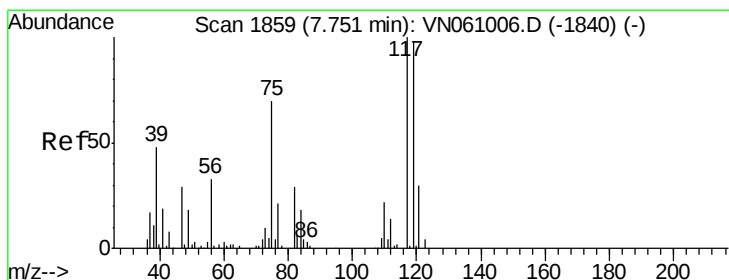
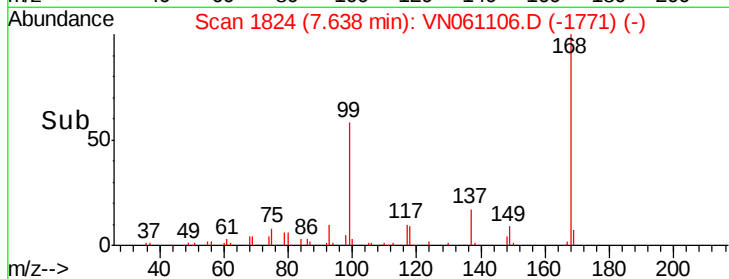
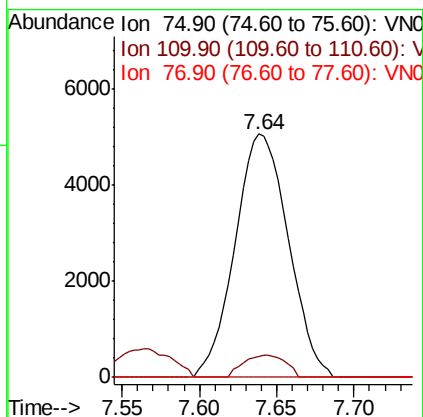
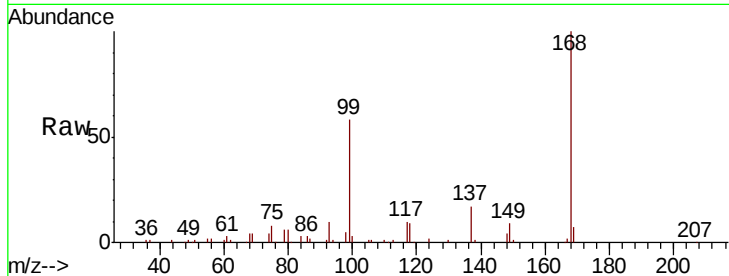




#36
 1,1-Dichloropropene
 Concen: 4.693 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061106.D
 Acq: 20 Apr 2020 16:59

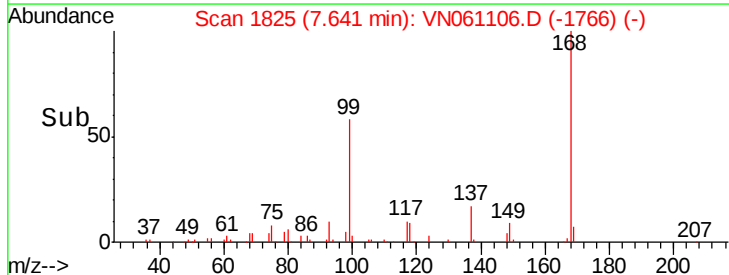
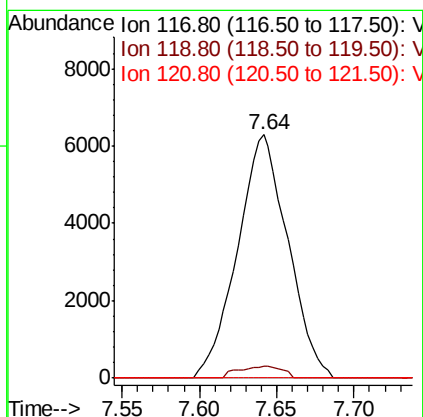
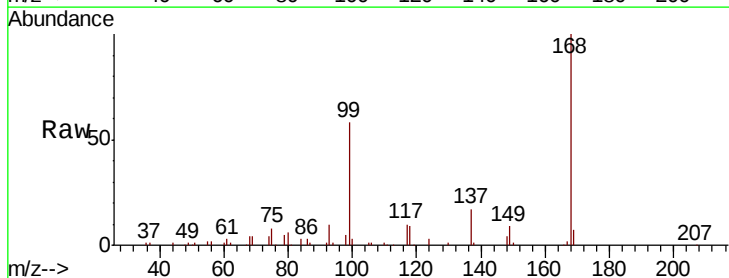
Instrument :
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 PA-TWP-2

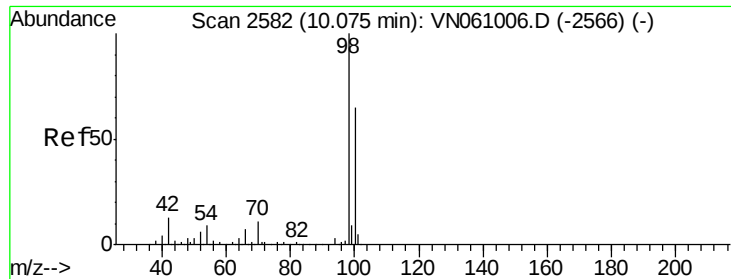
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.622 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061106.D
 Acq: 20 Apr 2020 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.1	117.1#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 55.902 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061106.D

Acq: 20 Apr 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

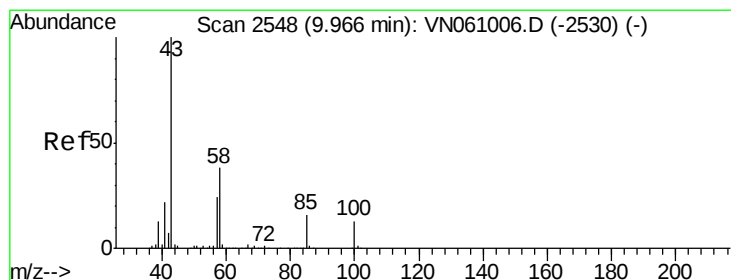
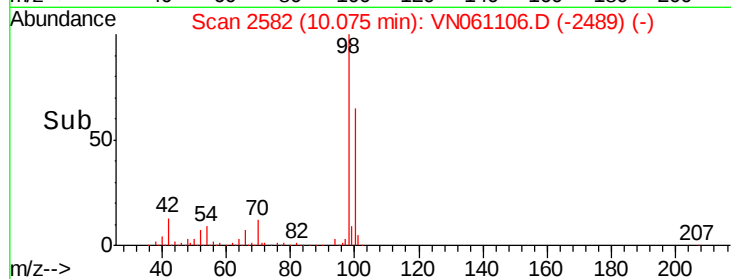
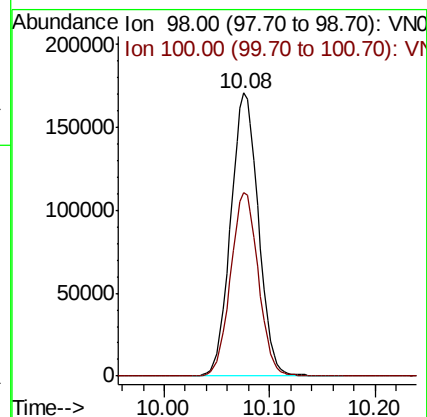
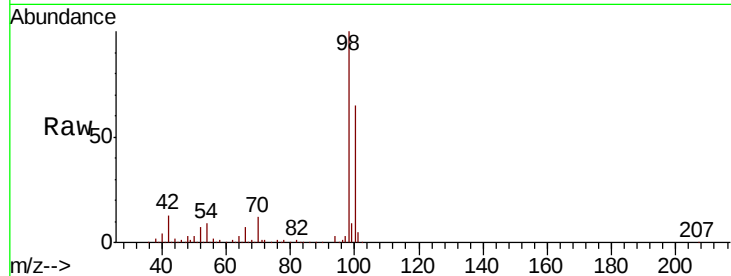
PA-TWP-2

Tot Ion: 98 Resp: 309497

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.570 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061106.D

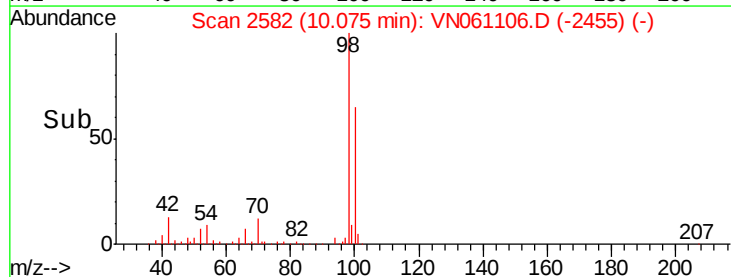
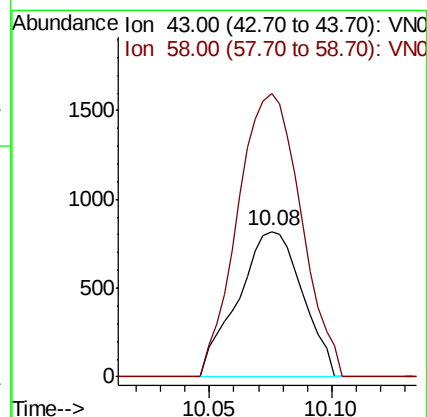
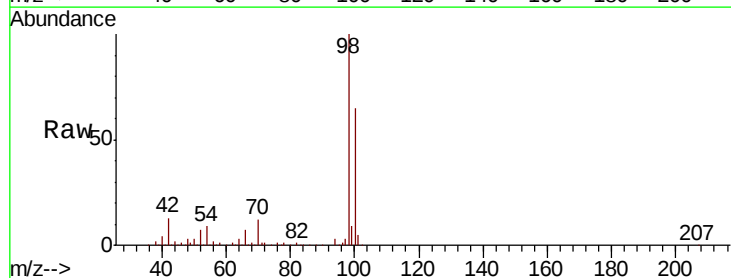
Acq: 20 Apr 2020 16:59

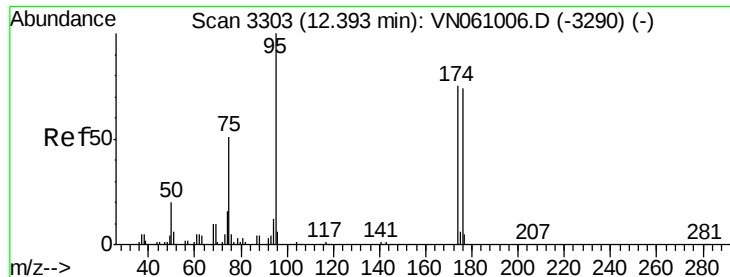
Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

43 100

58 191.1 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 52.219 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061106.D

Acq: 20 Apr 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2

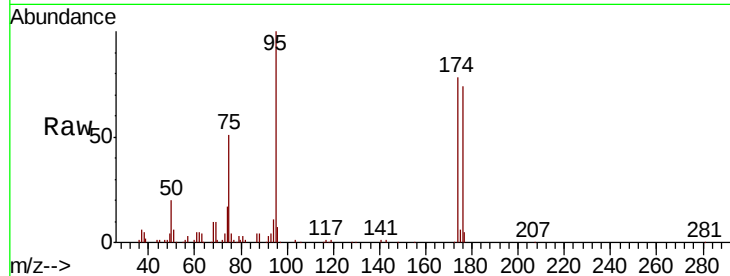
Tot Ion: 95 Resp: 113311

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.2

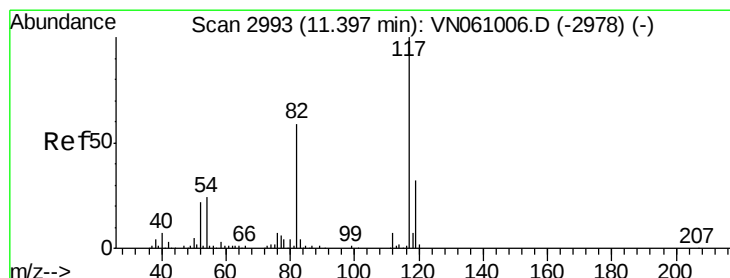
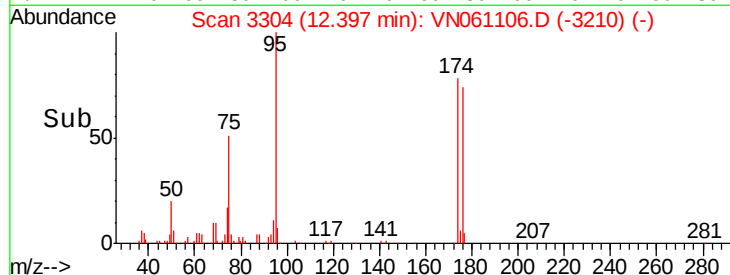
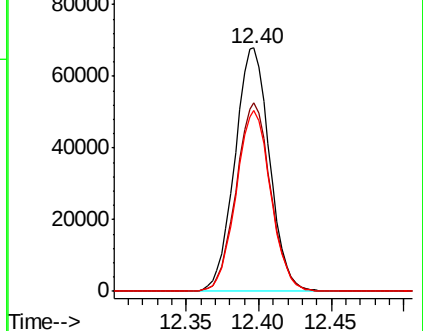
176 73.9 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061106.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061106.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061106.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. 0.00 min

Lab File: VN061106.D

Acq: 20 Apr 2020 16:59

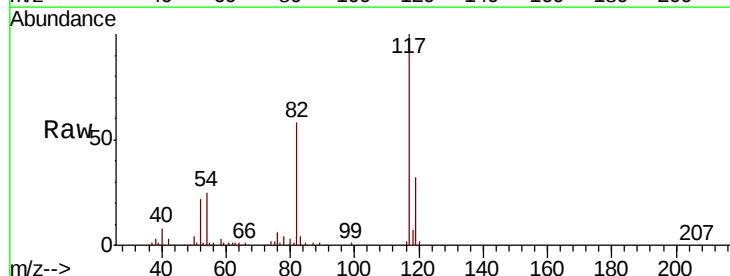
Tgt Ion: 117 Resp: 235386

Ion Ratio Lower Upper

117 100

82 58.2 47.1 70.7

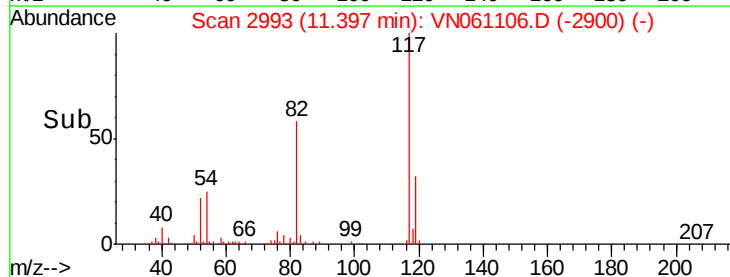
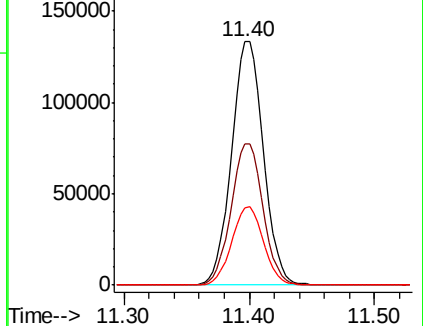
119 31.7 25.7 38.5

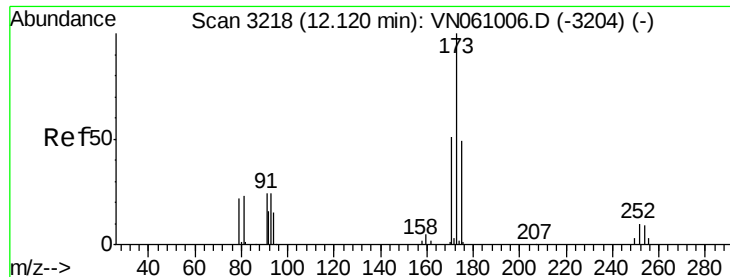


Abundance Ion 116.90 (116.60 to 117.60): VN061106.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN061106.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN061106.D (-2978) (-)





#71

Bromoform

Concen: 0.254 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN061106.D

Acq: 20 Apr 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2

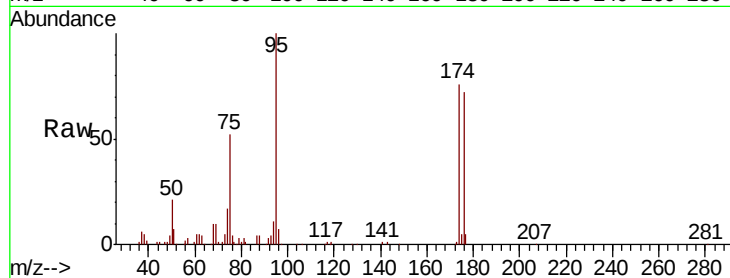
Tot Ion:173 Resp: 330

Ion Ratio Lower Upper

173 100

175 0.0 24.5 73.5#

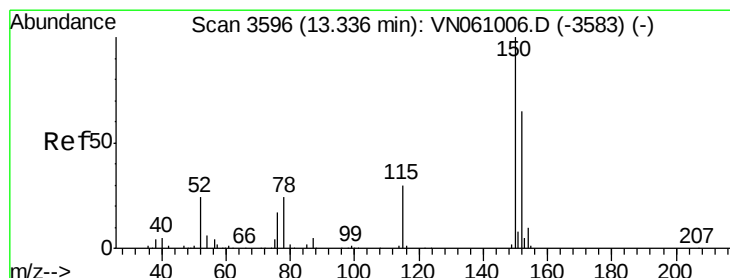
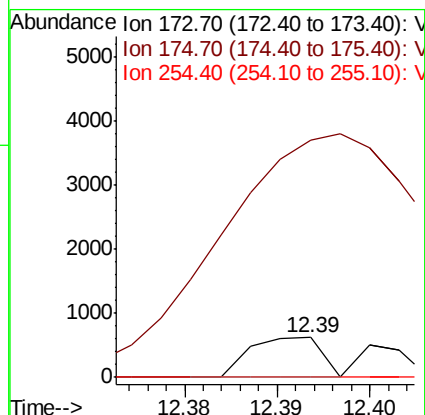
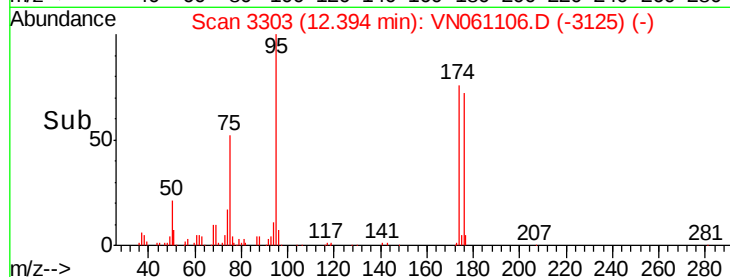
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN061106.D

Acq: 20 Apr 2020 16:59

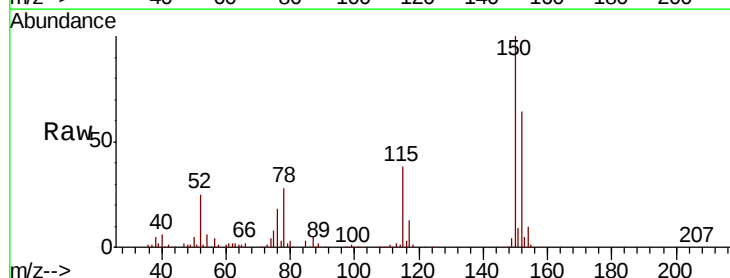
Tgt Ion:152 Resp: 101538

Ion Ratio Lower Upper

152 100

115 59.6 30.8 92.4

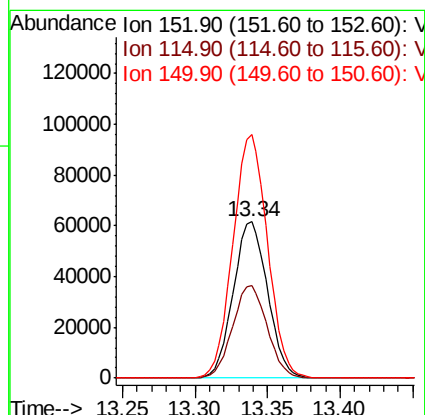
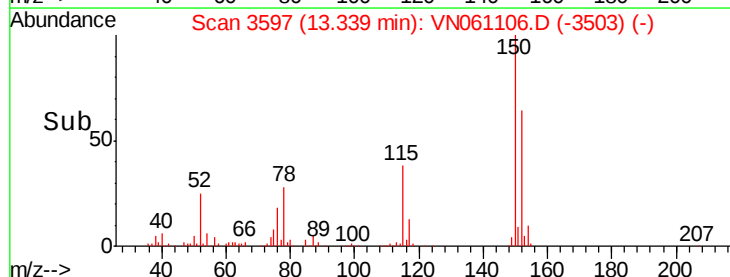
150 156.7 0.0 349.0

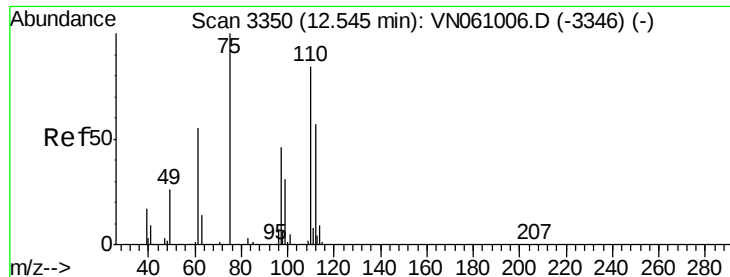


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.324 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061106.D

Acq: 20 Apr 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

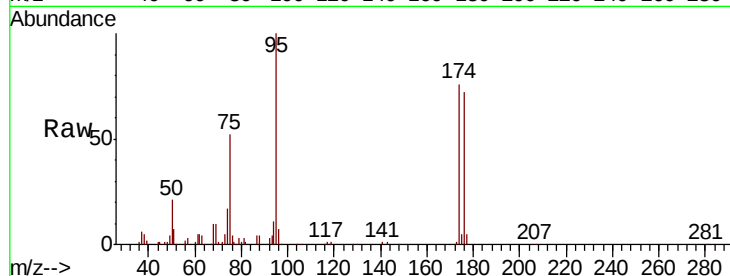
PA-TWP-2

Tot Ion: 75 Resp: 58793

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061106.D (-3303) (-)

Ion 77.00 (76.70 to 77.70): VN061106.D (-3303) (-)

12.39

40000

30000

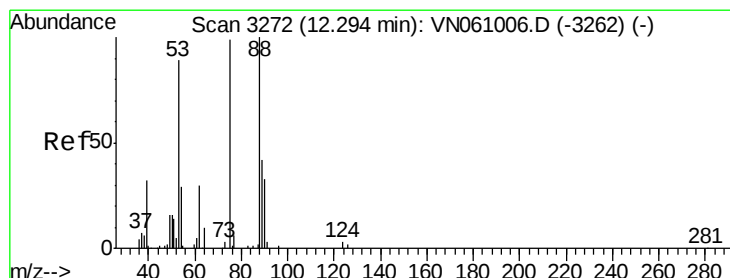
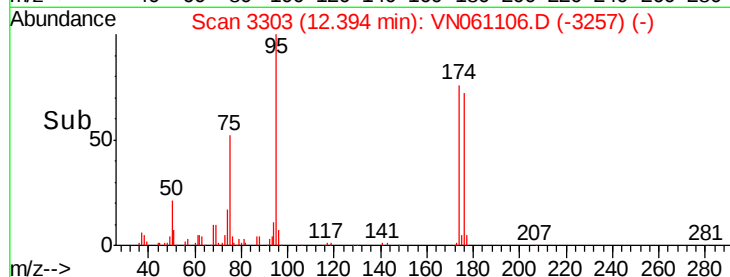
20000

10000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 64.931 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061106.D

Acq: 20 Apr 2020 16:59

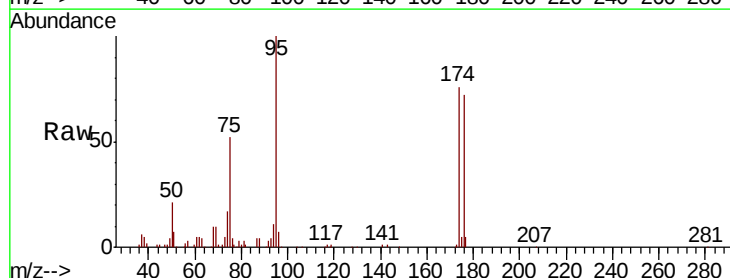
Tgt Ion: 75 Resp: 58793

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): VN061106.D (-3303) (-)

Ion 53.00 (52.70 to 53.70): VN061106.D (-3303) (-)

Ion 88.90 (88.60 to 89.60): VN061106.D (-3303) (-)

12.39

40000

30000

20000

10000

0

12.35 12.40 12.45

Time-->

