

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042220\
 Data File : VN061140.D
 Acq On : 22 Apr 2020 20:17
 Operator : JC/MD
 Sample : L2330-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2

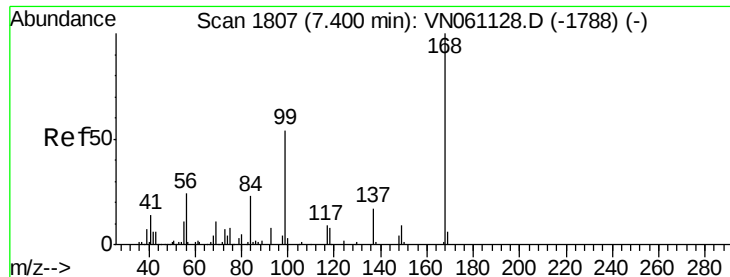
Quant Time: Apr 29 13:44:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	196652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	328890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	316997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	155439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	124501	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
35) Dibromofluoromethane	7.31	113	92771	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	9.88	98	402668	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.21	95	159183	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.04	41	124	Below Cal	#	20
16) Acetone	3.55	43	14444	2.49	ug/l	93
17) Carbon Disulfide	3.78	76	4607	0.78	ug/l	99
18) Methyl Acetate	3.93	43	119	Below Cal	#	51
25) 2-Butanone	6.51	43	1002	0.71	ug/l	49
30) Chloroform	7.08	83	2855	0.71	ug/l	86
31) Cyclohexane	7.40	56	4226	1.06	ug/l	1
36) 1,1-Dichloropropene	7.40	75	14918	4.64	ug/l	49
37) Ethyl Acetate	6.51	43	1002	0.31	ug/l	68
38) Carbon Tetrachloride	7.40	117	19183	6.82	ug/l	15
49) 1,4-Dioxane	8.97	88	975	Below Cal	#	72
76) 1,2,3-Trichloropropane	12.21	75	80968	22.58	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.21	75	80968	59.31	ug/l	12

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061140.D

Acq: 22 Apr 2020 20:17

Instrument :

MSVOA_N

ClientSampleId :

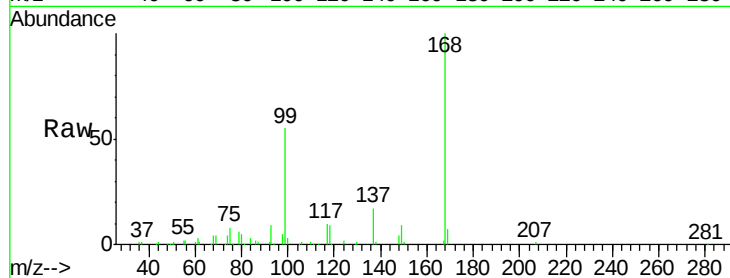
PA-TWP-2

Tgt Ion:168 Resp: 196652

Ion Ratio Lower Upper

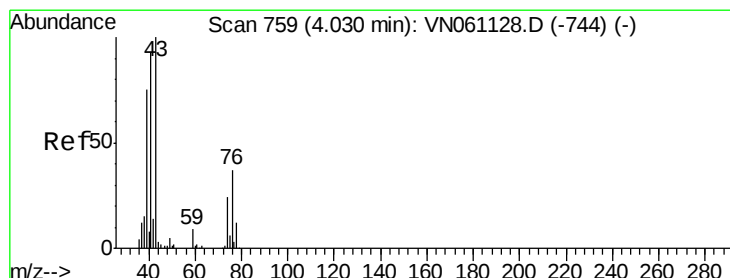
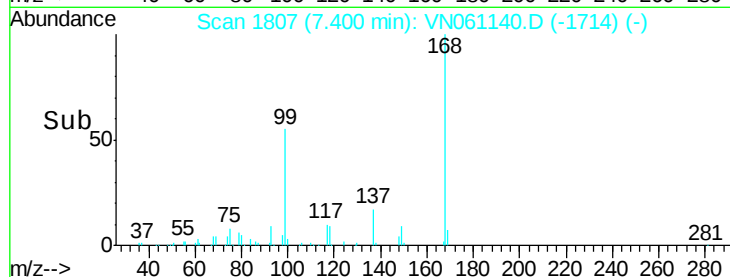
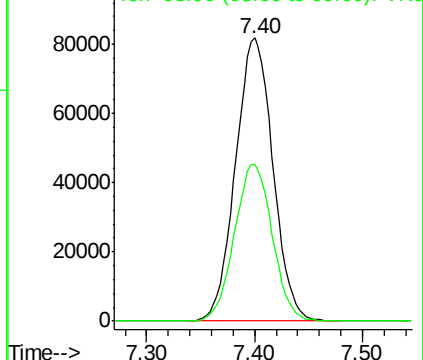
168 100

99 55.3 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#14

Allyl chloride

Concen: Below Cal

RT: 4.04 min Scan# 761

Delta R.T. 0.01 min

Lab File: VN061140.D

Acq: 22 Apr 2020 20:17

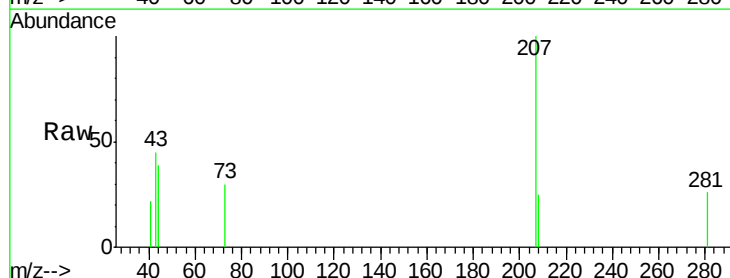
Tgt Ion: 41 Resp: 124

Ion Ratio Lower Upper

41 100

39 0.0 61.0 91.4#

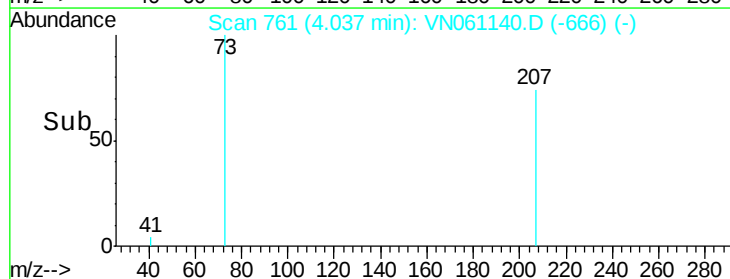
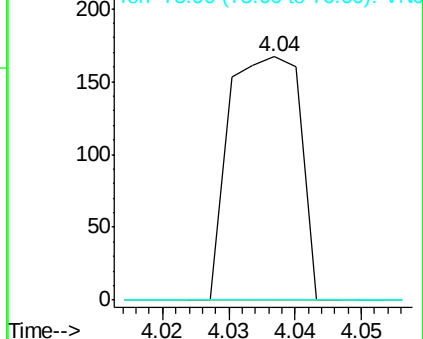
76 0.0 28.9 43.3#

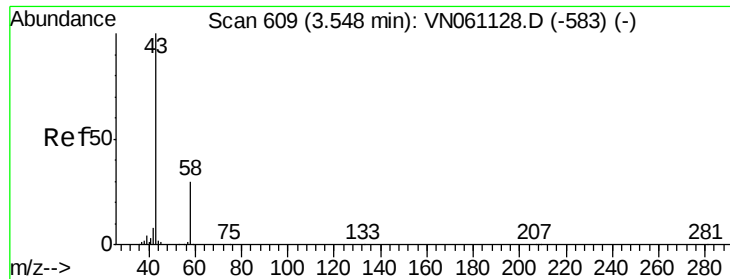


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 2.49 ug/l

RT: 3.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN061140.D

Acq: 22 Apr 2020 20:17

Instrument :

MSVOA_N

ClientSampleId :

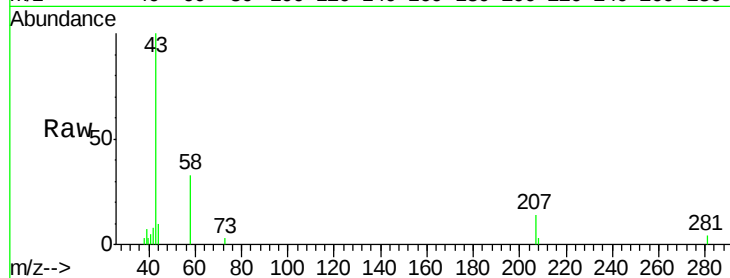
PA-TWP-2

Tgt Ion: 43 Resp: 14444

Ion Ratio Lower Upper

43 100

58 33.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-583) (-)

Ion 58.00 (57.70 to 58.70): VN061128.D (-583) (-)

3.55

6000

5000

4000

3000

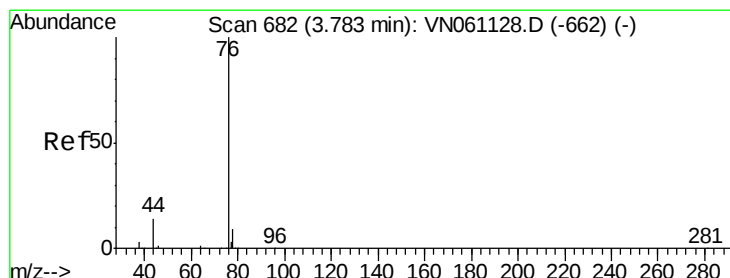
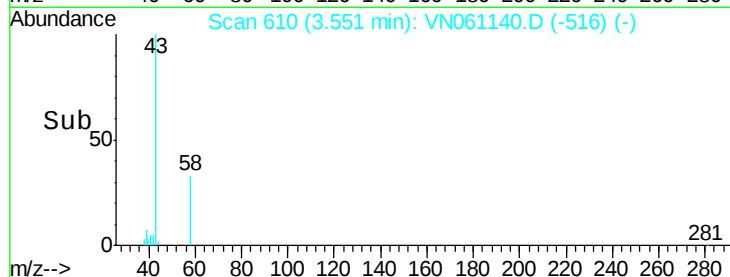
2000

1000

0

Time-->

3.45 3.50 3.55 3.60 3.65



#17

Carbon Disulfide

Concen: 0.78 ug/l

RT: 3.78 min Scan# 682

Delta R.T. -0.00 min

Lab File: VN061140.D

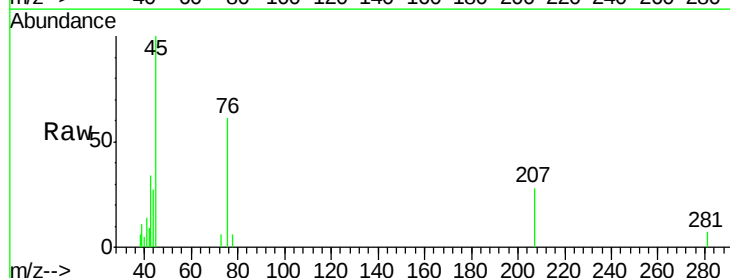
Acq: 22 Apr 2020 20:17

Tgt Ion: 76 Resp: 4607

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN061128.D (-662) (-)

Ion 77.90 (77.60 to 78.60): VN061128.D (-662) (-)

3.78

2000

1500

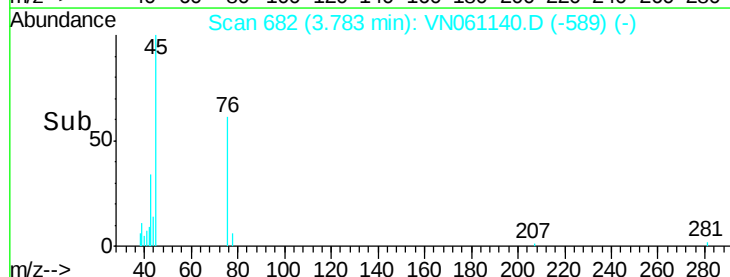
1000

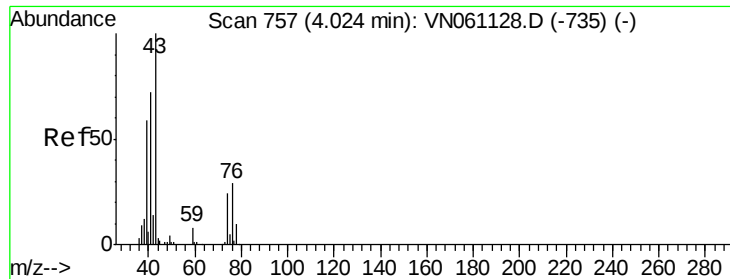
500

0

Time-->

3.75 3.80 3.85

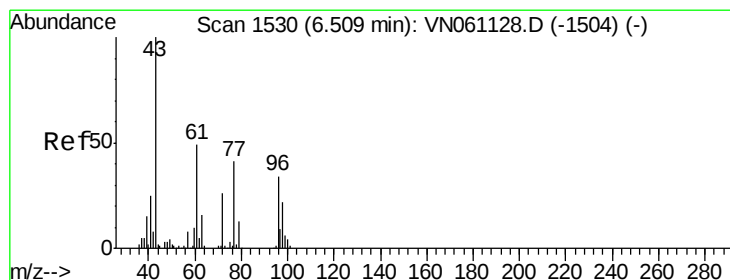
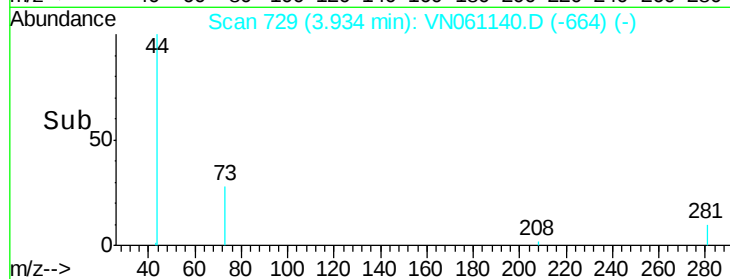
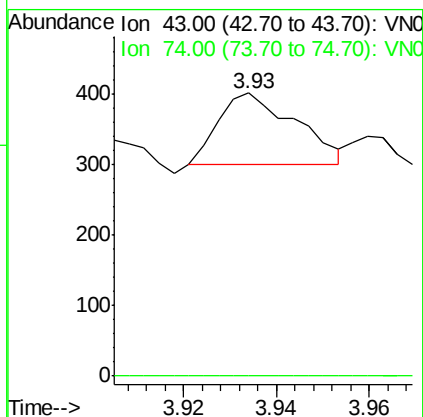
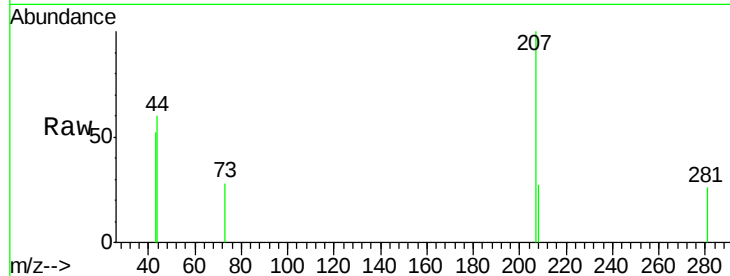




#18
Methyl Acetate
Concen: Below Cal
RT: 3.93 min Scan# 729
Delta R.T. -0.09 min
Lab File: VN061140.D
Acq: 22 Apr 2020 20:17

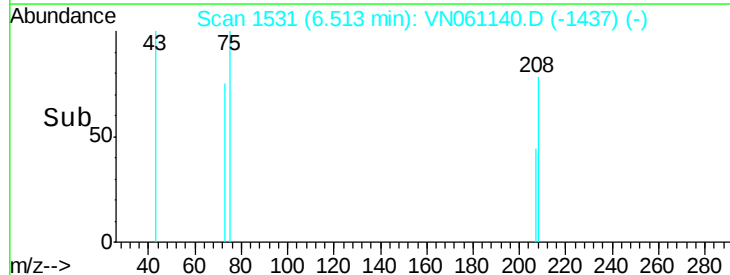
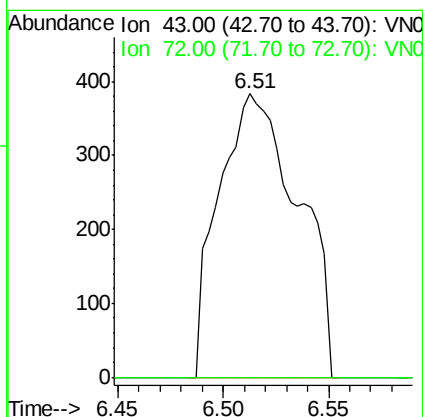
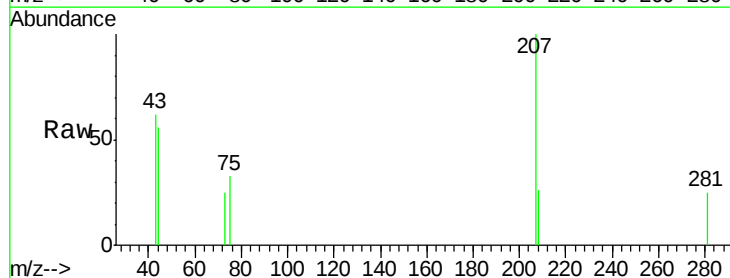
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2

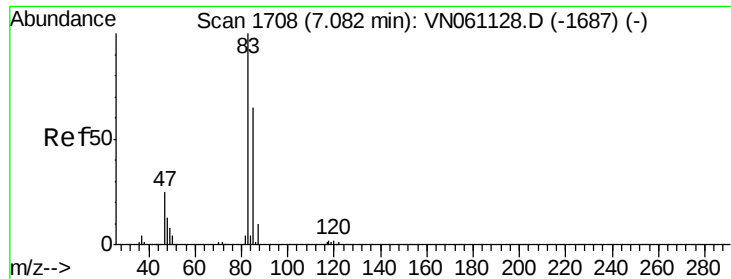
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#



#25
2-Butanone
Concen: 0.71 ug/l
RT: 6.51 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VN061140.D
Acq: 22 Apr 2020 20:17

Tgt Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#

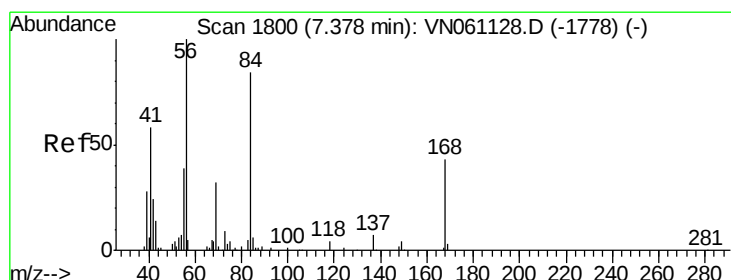
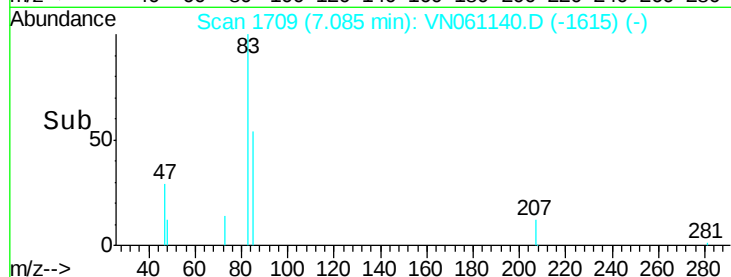
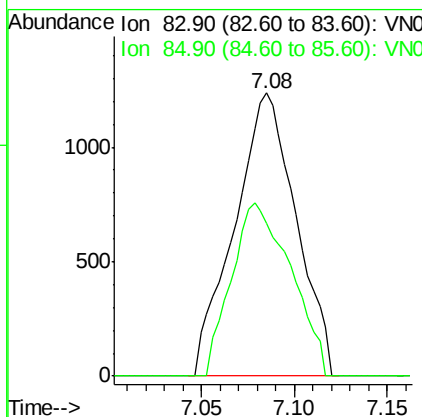
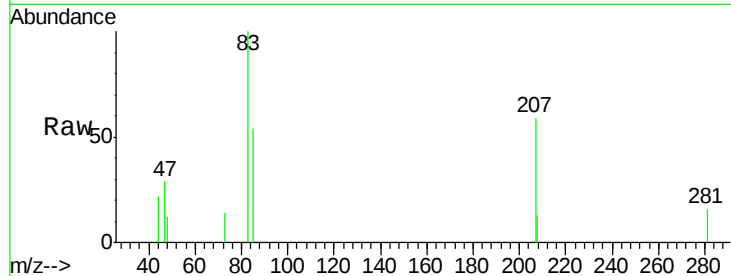




#30
Chloroform
Concen: 0.71 ug/l
RT: 7.08 min Scan# 1709
Delta R.T. 0.00 min
Lab File: VN061140.D
Acq: 22 Apr 2020 20:17

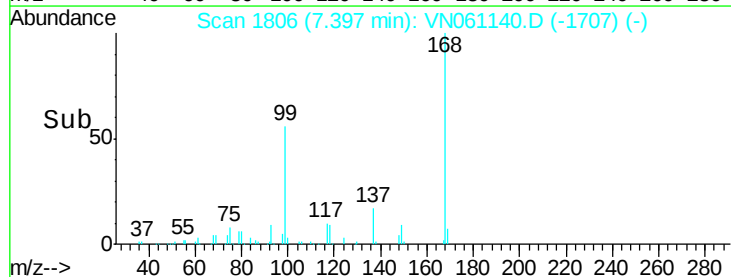
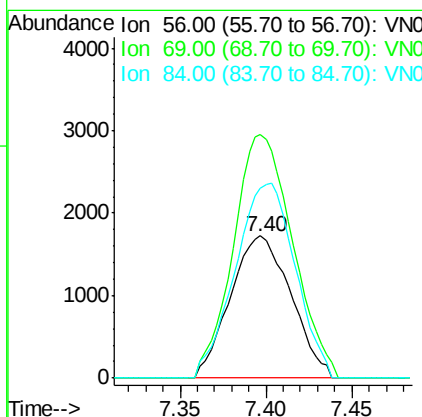
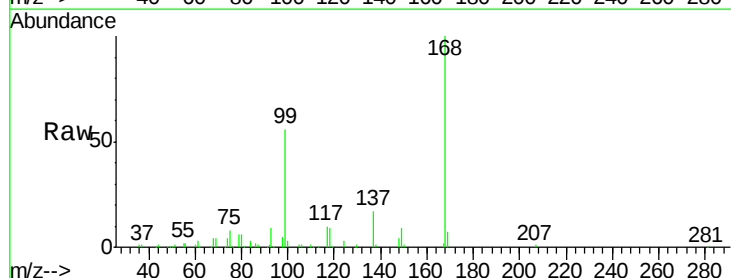
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2

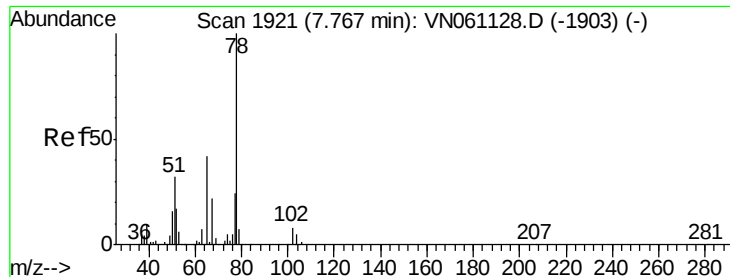
Tgt Ion: 83 Resp: 2855
Ion Ratio Lower Upper
83 100
85 53.9 52.2 78.4



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.40 min Scan# 1806
Delta R.T. 0.02 min
Lab File: VN061140.D
Acq: 22 Apr 2020 20:17

Tgt Ion: 56 Resp: 4226
Ion Ratio Lower Upper
56 100
69 171.0 25.9 38.9#
84 133.8 67.4 101.0#

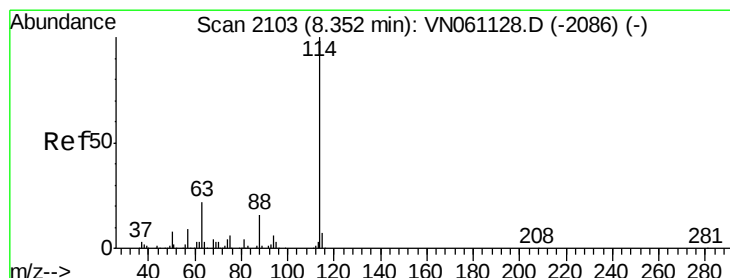
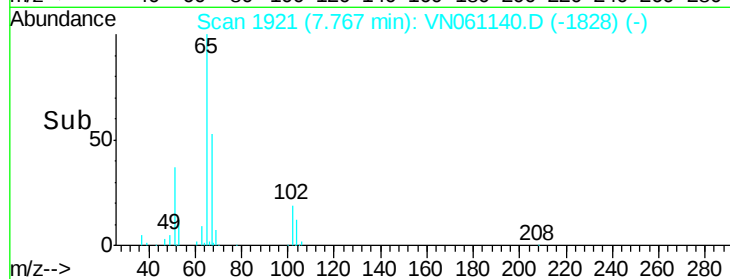
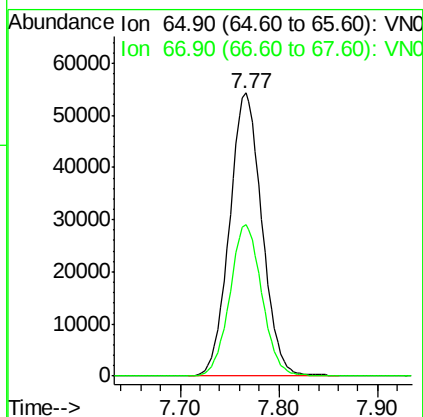
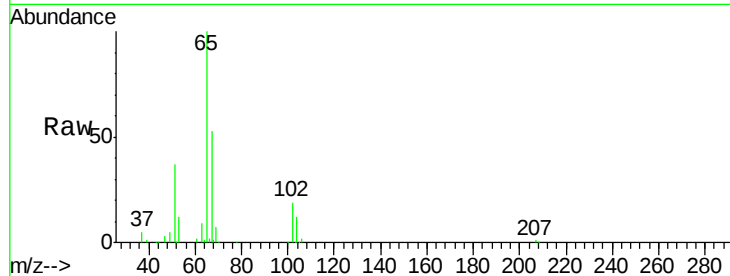




#33
 1,2-Dichloroethane-d4
 Concen: 47.75 ug/l
 RT: 7.77 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

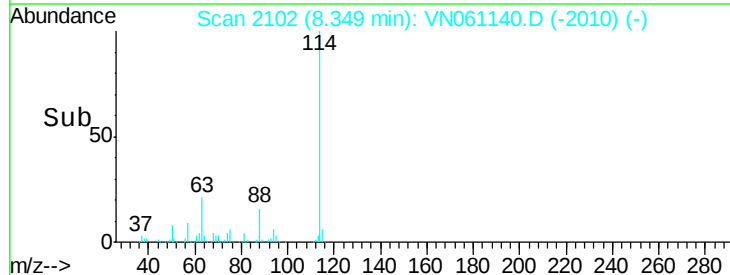
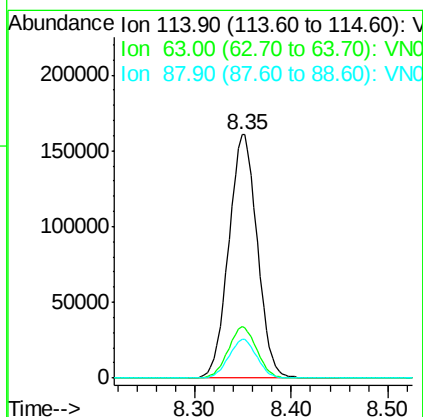
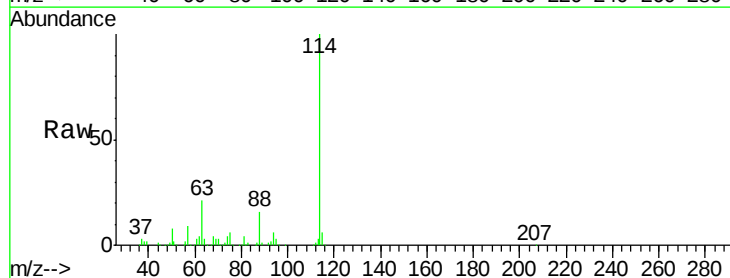
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2

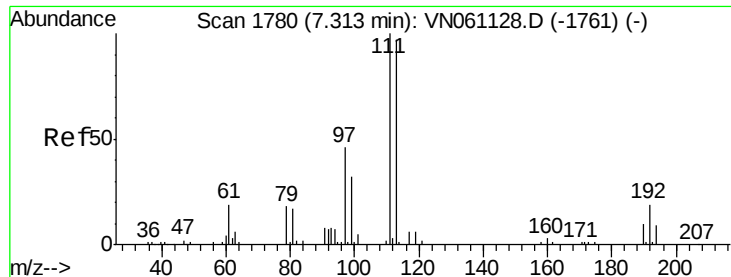
Tgt Ion: 65 Resp: 124501
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.35 min Scan# 2102
 Delta R.T. -0.00 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

Tgt Ion: 114 Resp: 328890
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 15.8 0.0 32.4

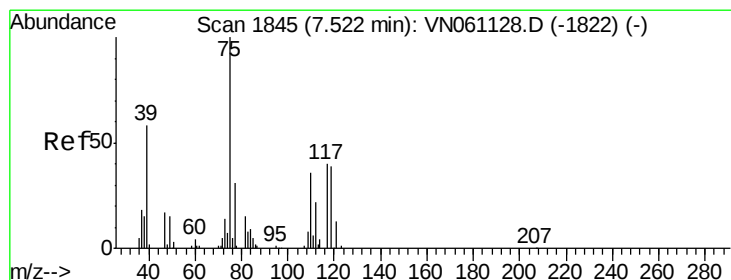
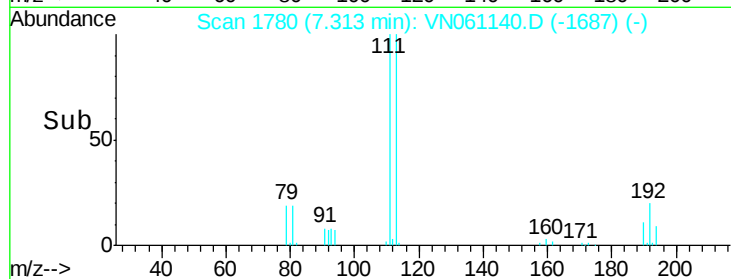
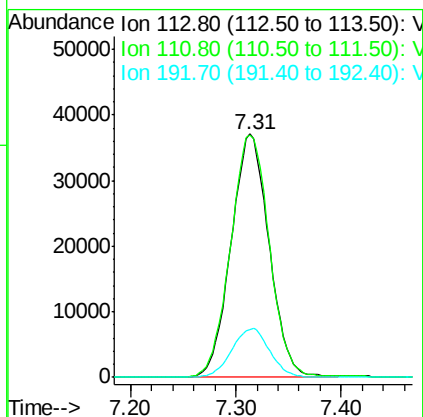
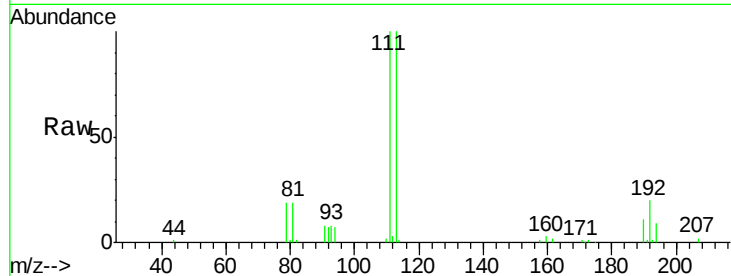




#35
 Dibromofluoromethane
 Concen: 49.43 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

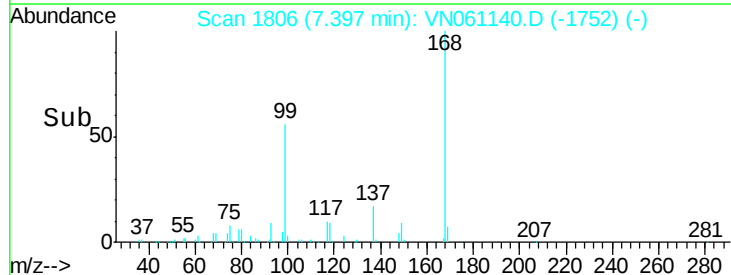
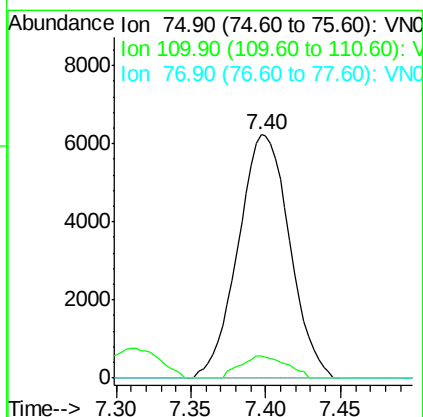
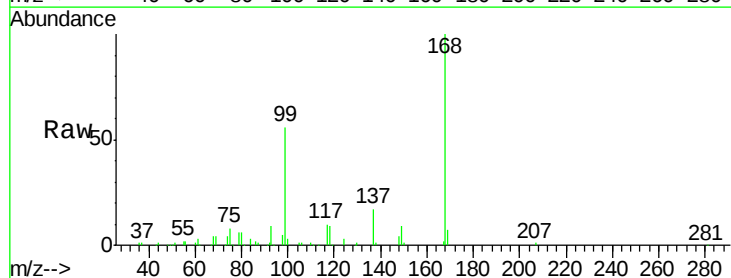
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2

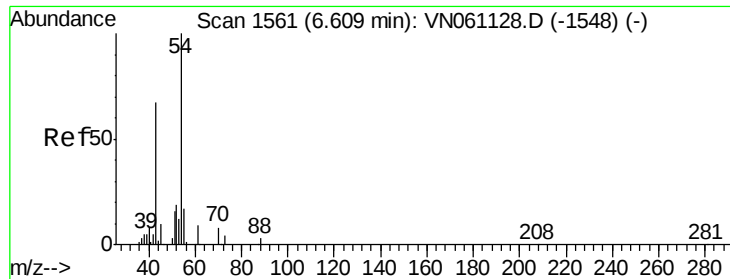
Tgt Ion: 113 Resp: 92771
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.0 124.6
 192 20.0 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.64 ug/l
 RT: 7.40 min Scan# 1806
 Delta R.T. -0.13 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

Tgt Ion: 75 Resp: 14918
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.7 53.1#
 77 0.0 24.8 37.2#

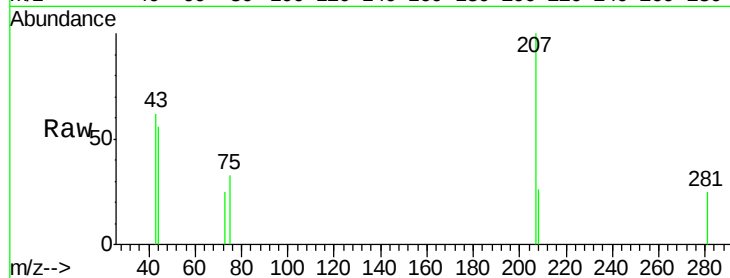




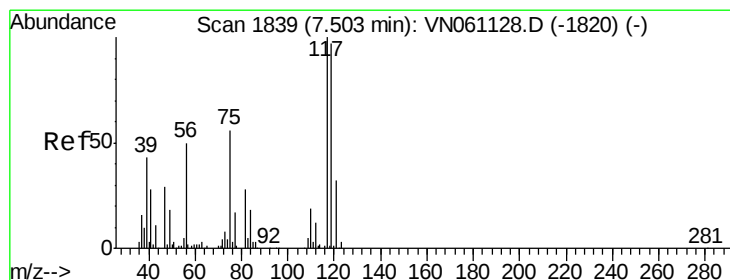
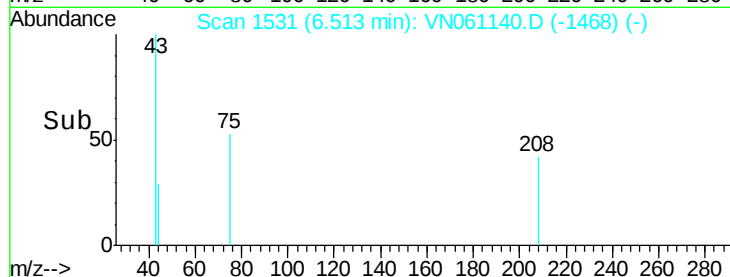
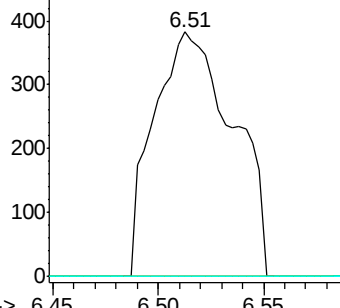
#37
 Ethyl Acetate
 Concen: 0.31 ug/l
 RT: 6.51 min Scan# 1531
 Delta R.T. -0.10 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2

Tgt Ion: 43 Resp: 1002
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 8.2 12.4#

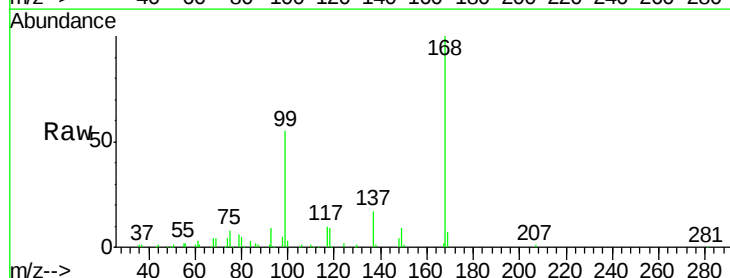


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

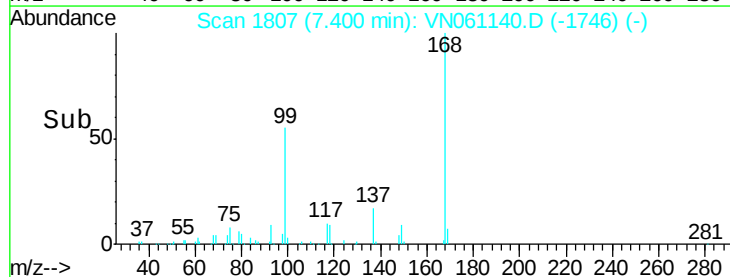
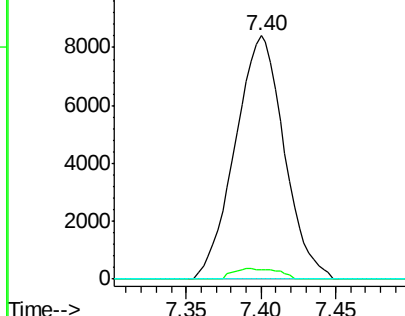


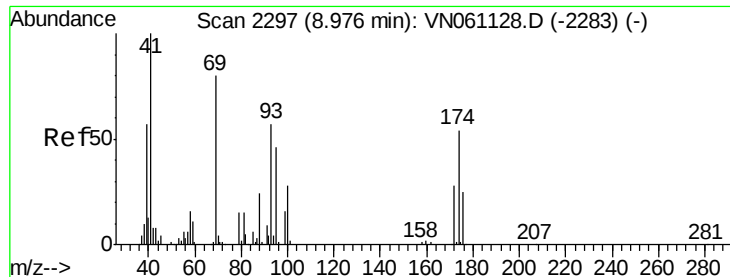
#38
 Carbon Tetrachloride
 Concen: 6.82 ug/l
 RT: 7.40 min Scan# 1807
 Delta R.T. -0.10 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

Tgt Ion: 117 Resp: 19183
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.9 115.3#
 121 0.0 25.0 37.6#



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

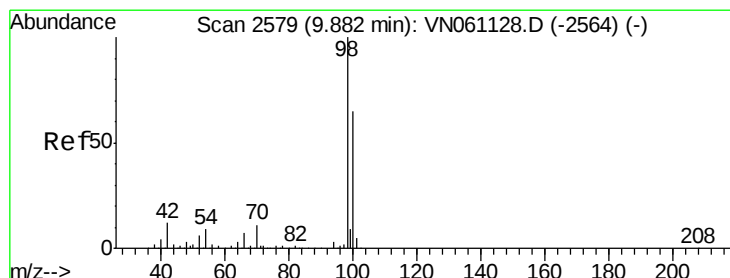
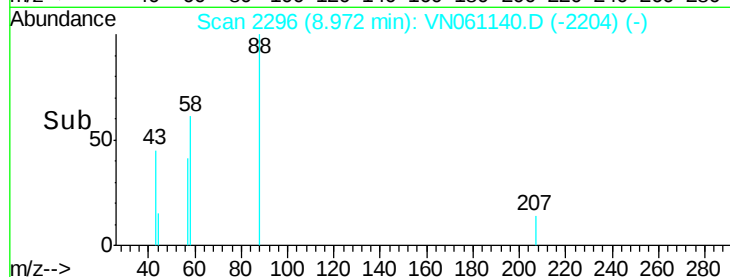
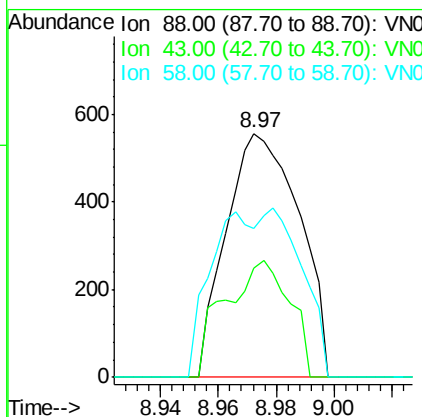
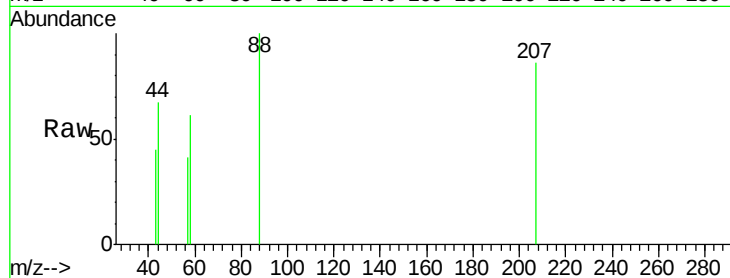




#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 8.97 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

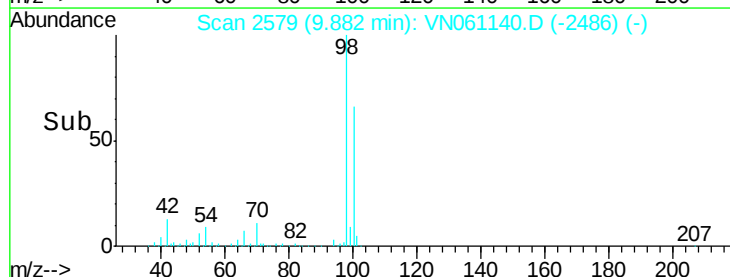
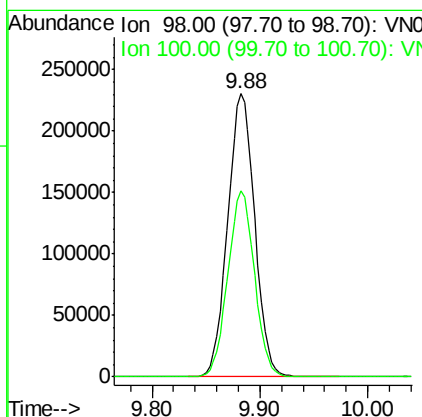
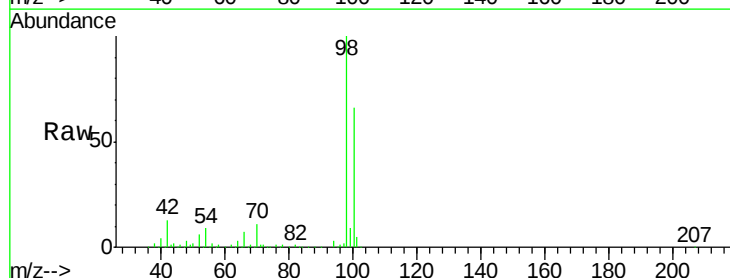
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2

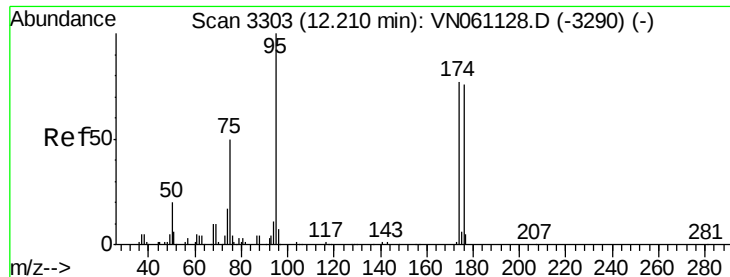
Tgt Ion: 88 Resp: 975
 Ion Ratio Lower Upper
 88 100
 43 42.4 29.0 43.4
 58 42.1 57.8 86.6#



#50
 Toluene-d8
 Concen: 50.06 ug/l
 RT: 9.88 min Scan# 2579
 Delta R.T. -0.00 min
 Lab File: VN061140.D
 Acq: 22 Apr 2020 20:17

Tgt Ion: 98 Resp: 402668
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.8 77.6





#62

4-Bromofluorobenzene

Concen: 52.85 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061140.D

Acq: 22 Apr 2020 20:17

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2

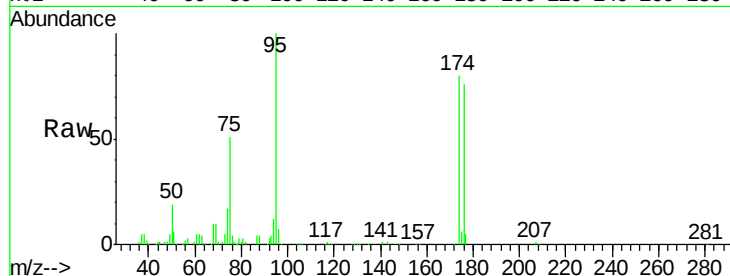
Tgt Ion: 95 Resp: 159183

Ion Ratio Lower Upper

95 100

174 80.9 0.0 157.6

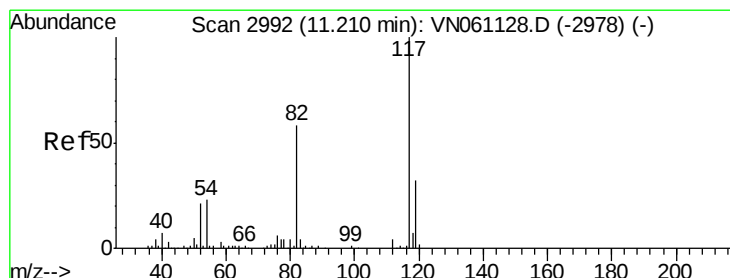
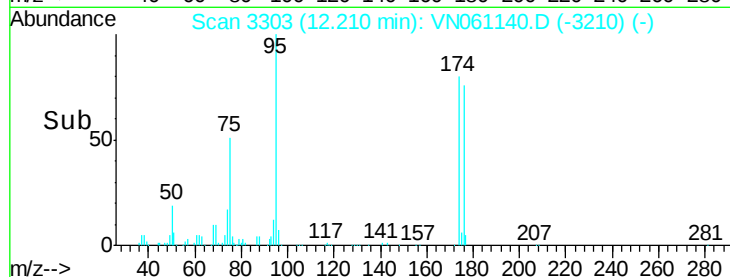
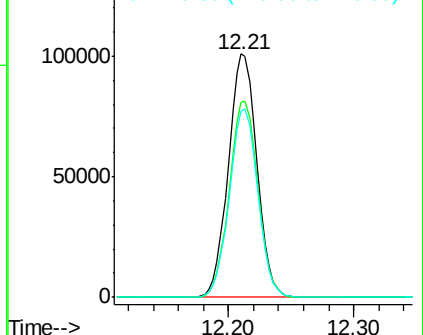
176 77.2 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): VN061128.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061128.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061128.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.21 min Scan# 2992

Delta R.T. -0.00 min

Lab File: VN061140.D

Acq: 22 Apr 2020 20:17

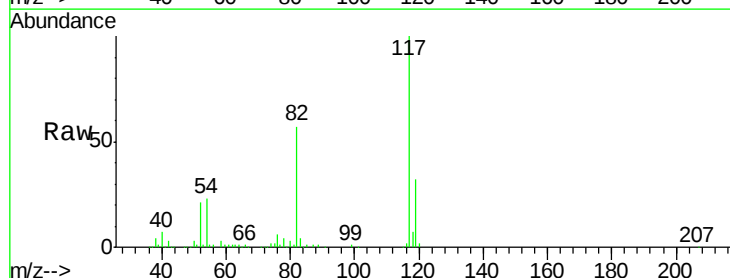
Tgt Ion: 117 Resp: 316997

Ion Ratio Lower Upper

117 100

82 56.7 46.0 69.0

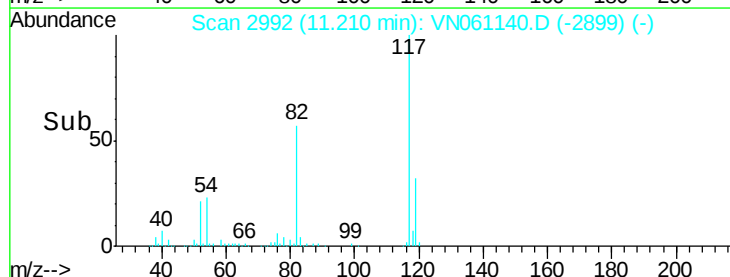
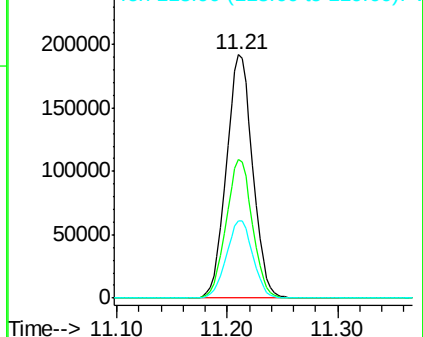
119 32.0 25.9 38.9

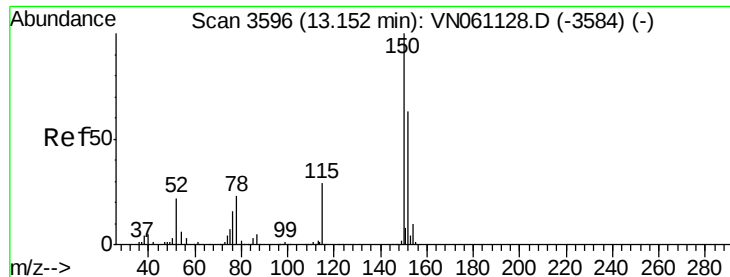


Abundance Ion 116.90 (116.60 to 117.60): VN061128.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN061128.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN061128.D (-2978) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.15 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN061140.D

Acq: 22 Apr 2020 20:17

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2

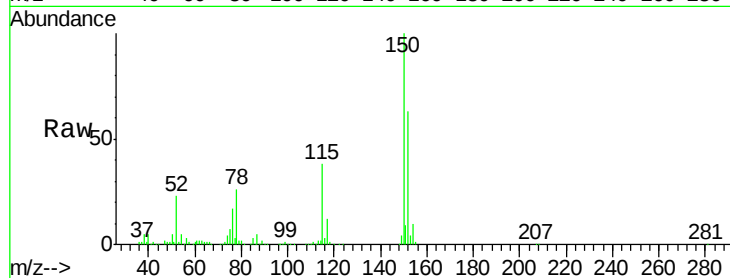
Tgt Ion:152 Resp: 155439

Ion Ratio Lower Upper

152 100

115 59.6 29.8 89.5

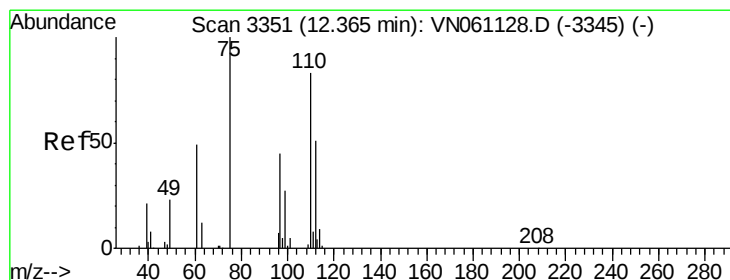
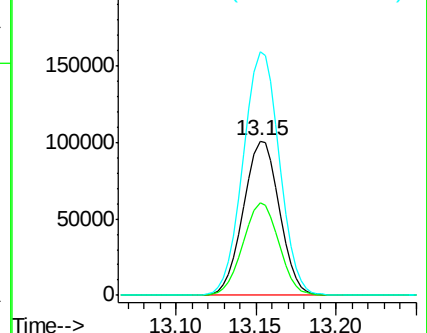
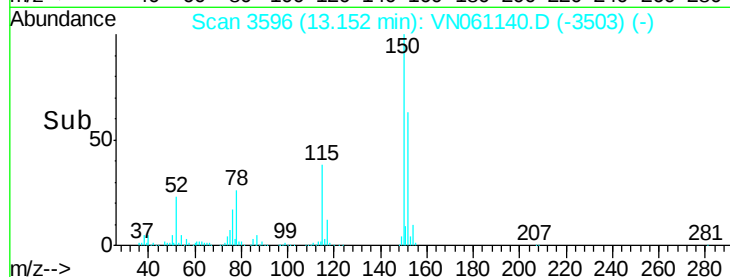
150 158.9 0.0 348.6



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: 22.58 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061140.D

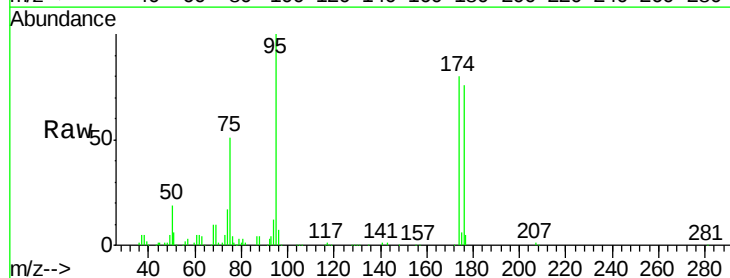
Acq: 22 Apr 2020 20:17

Tgt Ion: 75 Resp: 80968

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

