

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077797.D
 Acq On : 22 May 2023 18:17
 Operator : JC\MD
 Sample : 02880-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230519

Quant Time: May 23 04:21:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

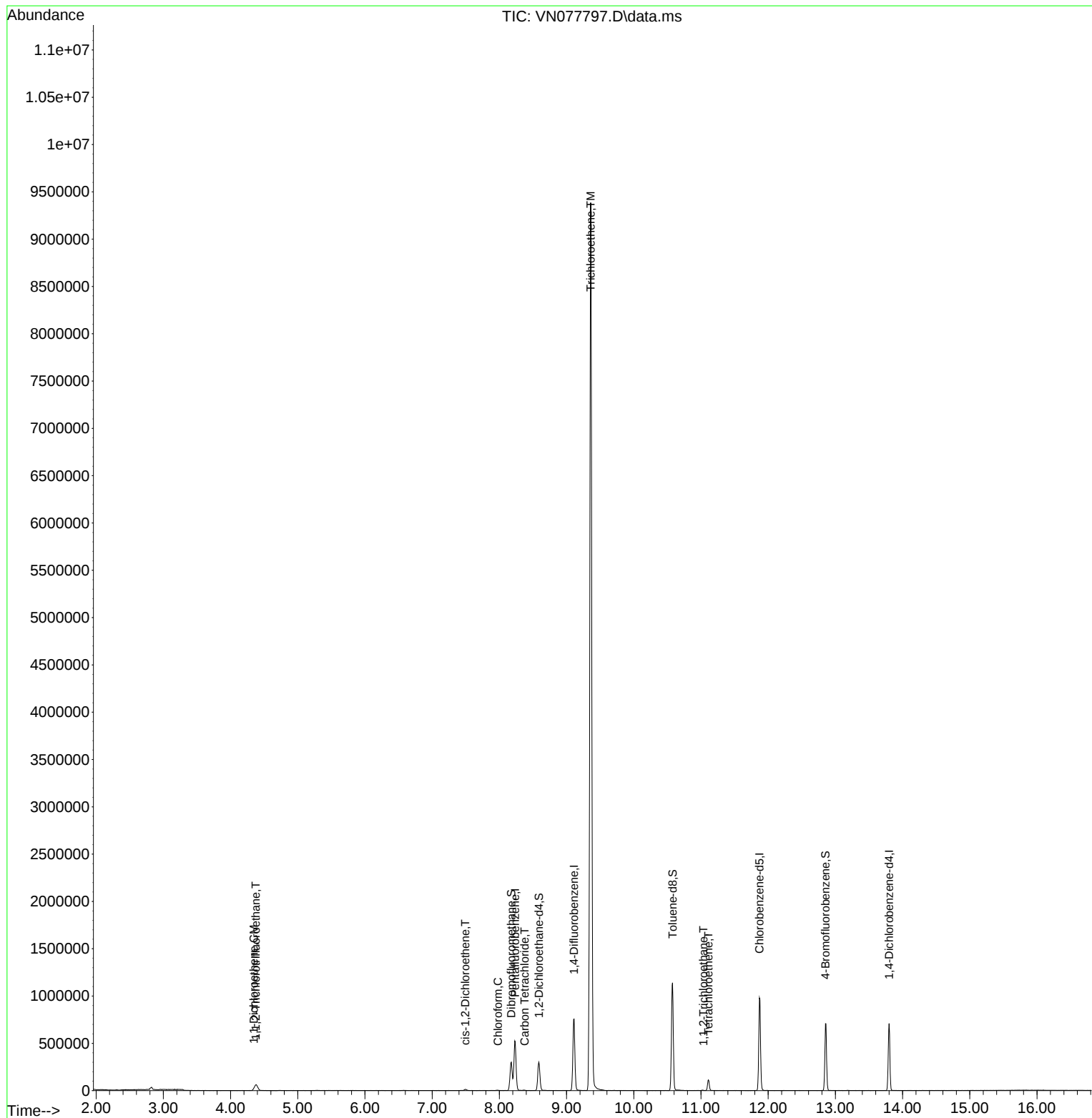
Internal Standards						
1) Pentafluorobenzene	8.235	168	374916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	675351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	599432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	253507	45.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.380%		
35) Dibromofluoromethane	8.177	113	216023	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	10.576	98	848549	50.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.120%		
62) 4-Bromofluorobenzene	12.853	95	260597	43.529	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.060%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.377	101	40469	9.754	ug/l	95
12) 1,1-Dichloroethene	4.347	96	6597	1.673	ug/l #	81
27) cis-1,2-Dichloroethene	7.494	96	7342	1.382	ug/l	97
30) Chloroform	7.977	83	3560	0.389	ug/l	97
38) Carbon Tetrachloride	8.377	117	3110	0.478	ug/l #	82
44) Trichloroethene	9.359	130	3323053	690.425	ug/l	98
55) 1,1,2-Trichloroethane	11.035	97	1501	0.319	ug/l #	81
64) Tetrachloroethene	11.112	164	25893	6.177	ug/l	94

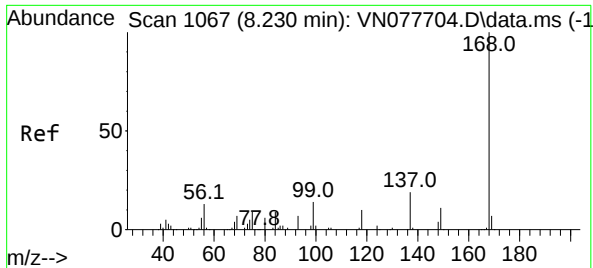
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
Data File : VN077797.D
Acq On : 22 May 2023 18:17
Operator : JC\MD
Sample : 02880-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519

Quant Time: May 23 04:21:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

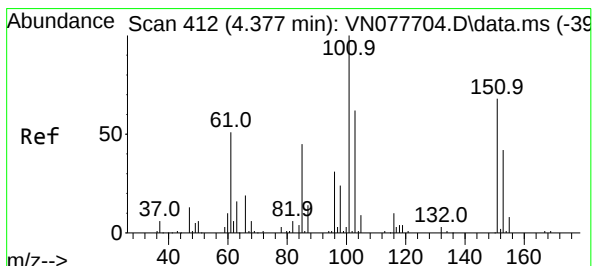
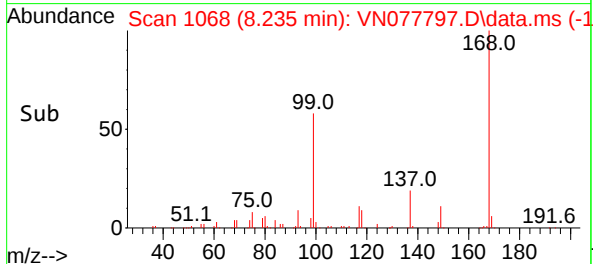
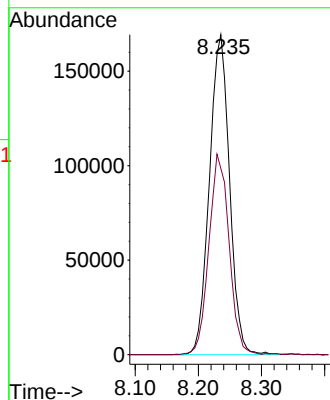
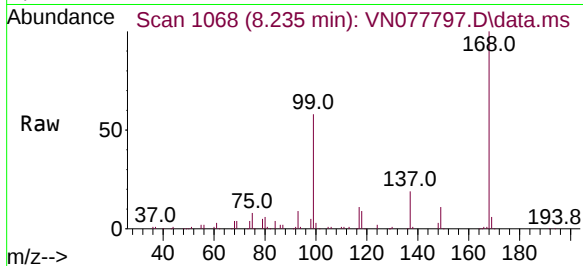




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN077797.D
Acq: 22 May 2023 18:17

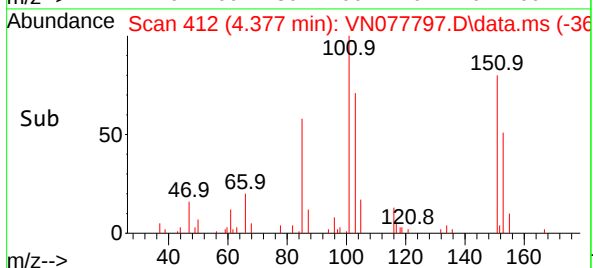
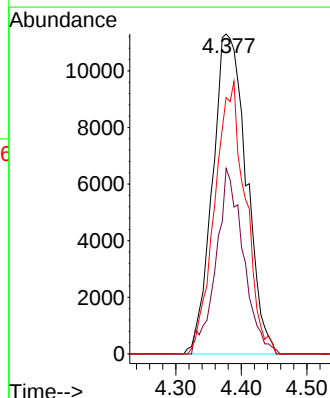
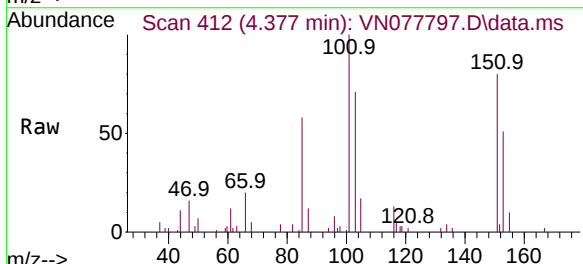
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519

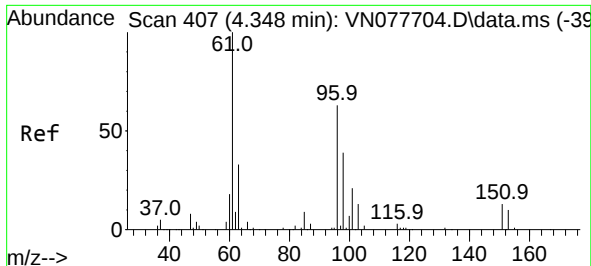
Tgt Ion:168 Resp: 374916
Ion Ratio Lower Upper
168 100
99 58.1 53.0 79.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.754 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077797.D
Acq: 22 May 2023 18:17

Tgt Ion:101 Resp: 40469
Ion Ratio Lower Upper
101 100
85 47.1 36.6 55.0
151 77.4 57.6 86.4

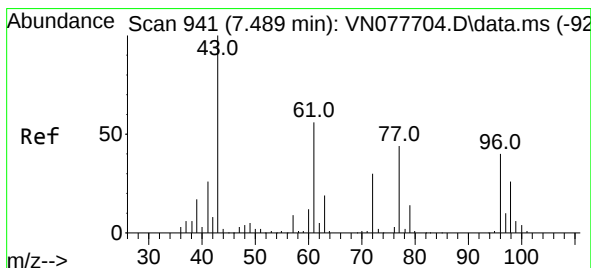
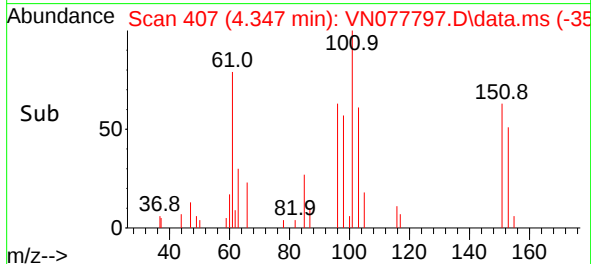
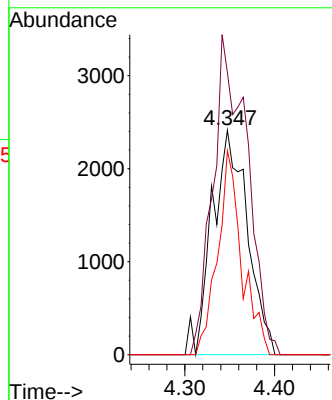
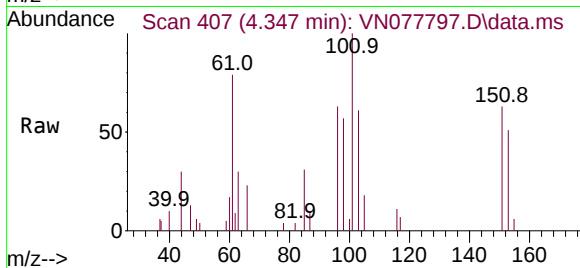




#12
 1,1-Dichloroethene
 Concen: 1.673 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.000 min
 Lab File: VN077797.D
 Acq: 22 May 2023 18:17

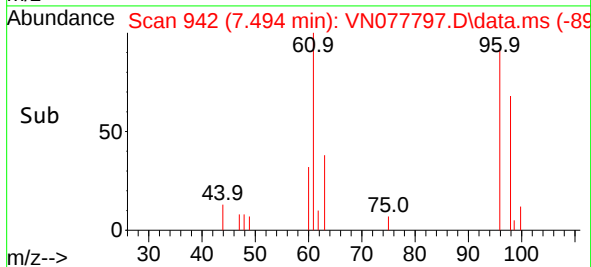
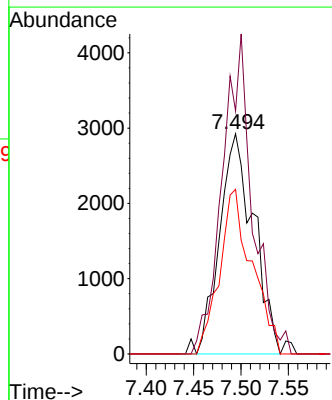
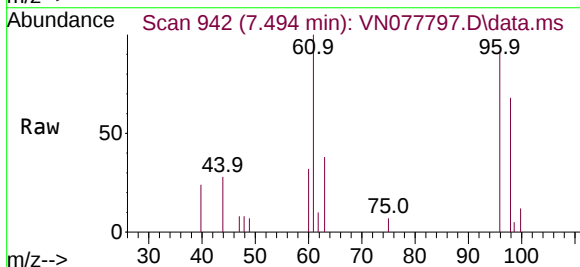
Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230519

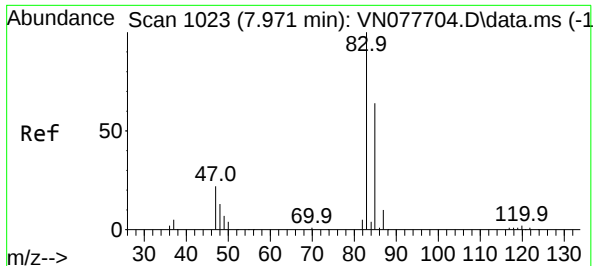
Tgt Ion: 96 Resp: 6597
 Ion Ratio Lower Upper
 96 100
 61 125.7 112.7 169.1
 98 90.8 51.2 76.8#



#27
 cis-1,2-Dichloroethene
 Concen: 1.382 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.006 min
 Lab File: VN077797.D
 Acq: 22 May 2023 18:17

Tgt Ion: 96 Resp: 7342
 Ion Ratio Lower Upper
 96 100
 61 128.0 0.0 255.2
 98 70.9 0.0 128.8





#30

Chloroform

Concen: 0.389 ug/l

RT: 7.977 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077797.D

Acq: 22 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

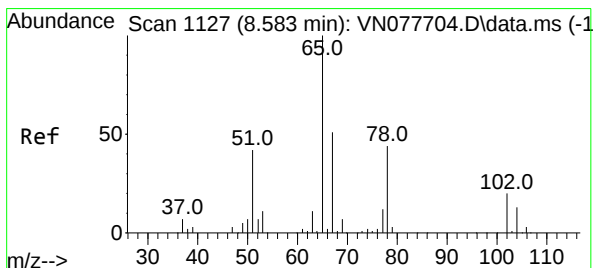
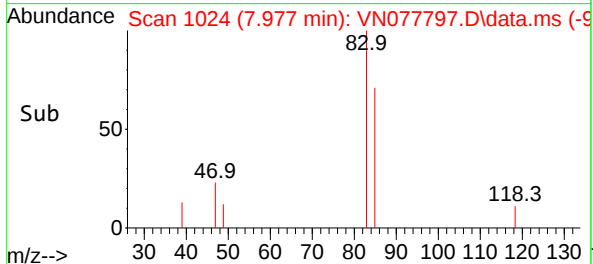
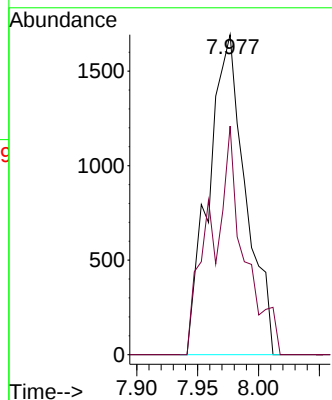
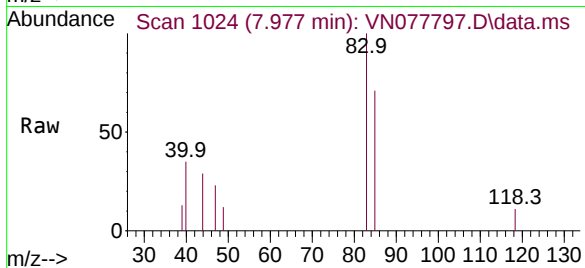
RW4-20230519

Tgt Ion: 83 Resp: 3560

Ion Ratio Lower Upper

83 100

85 71.5 55.4 83.0



#33

1,2-Dichloroethane-d4

Concen: 45.191 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077797.D

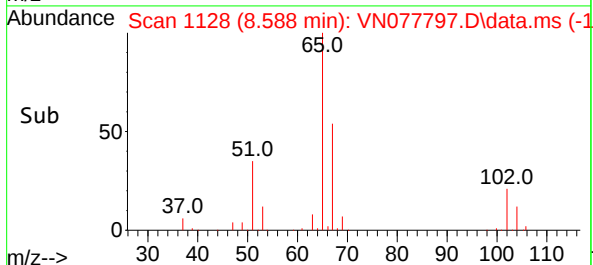
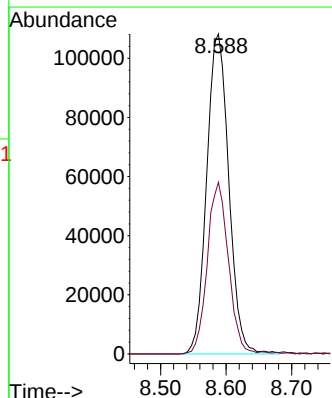
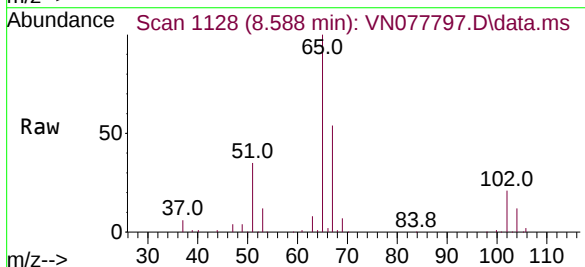
Acq: 22 May 2023 18:17

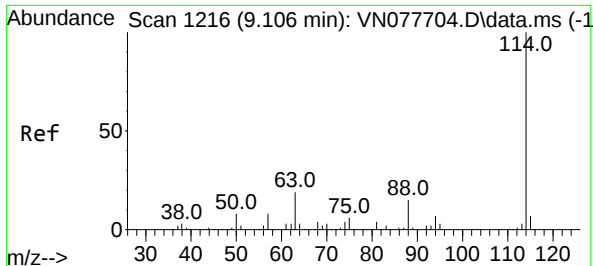
Tgt Ion: 65 Resp: 253507

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077797.D

Acq: 22 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

RW4-20230519

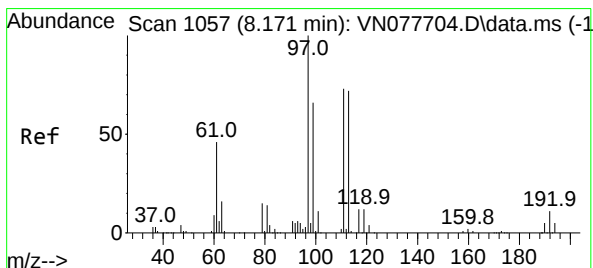
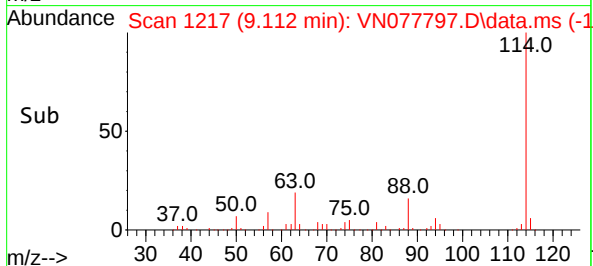
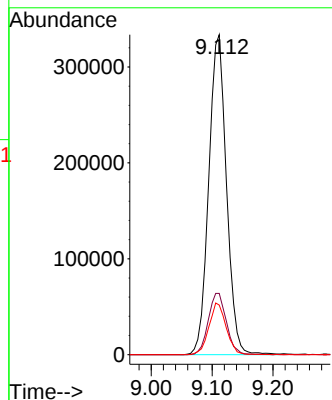
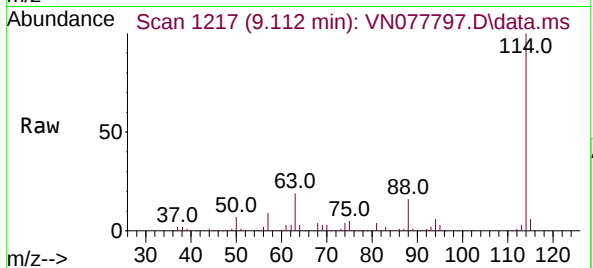
Tgt Ion:114 Resp: 675351

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.053 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077797.D

Acq: 22 May 2023 18:17

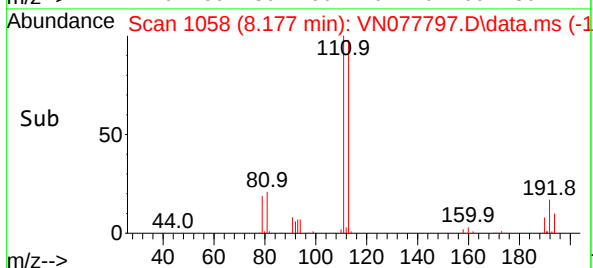
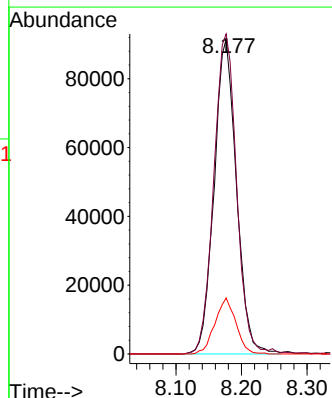
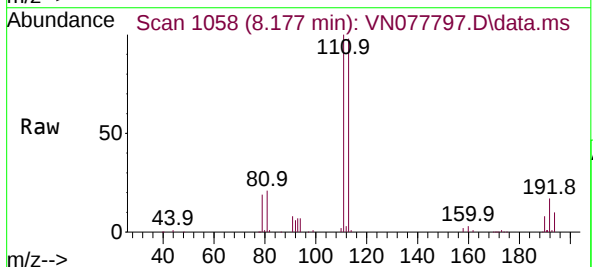
Tgt Ion:113 Resp: 216023

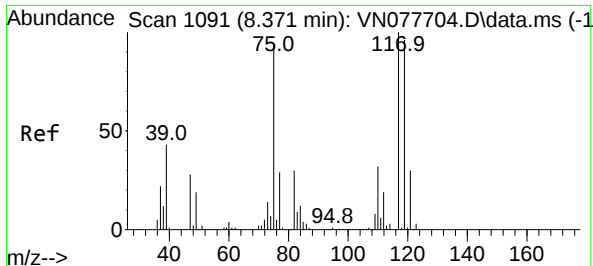
Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 16.7 12.7 19.1





#38

Carbon Tetrachloride

Concen: 0.478 ug/l

RT: 8.377 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN077797.D

Acq: 22 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

RW4-20230519

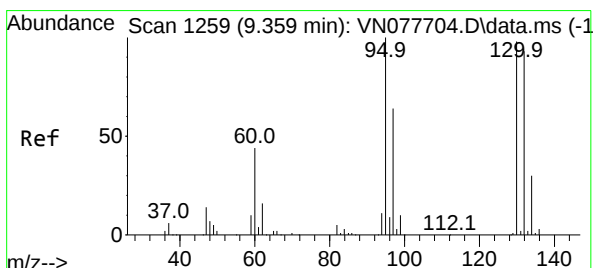
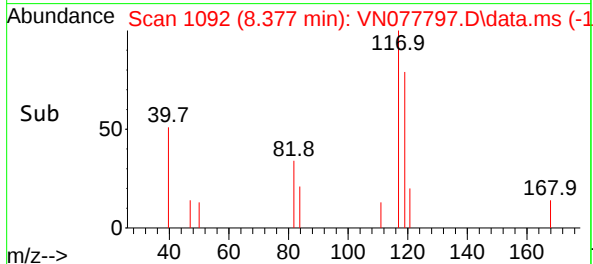
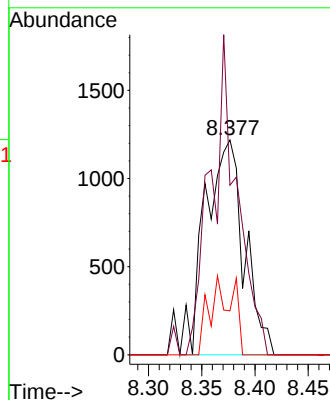
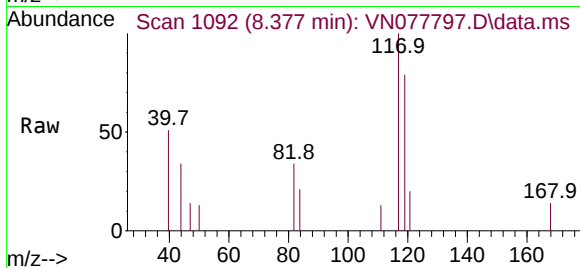
Tgt Ion:117 Resp: 3110

Ion Ratio Lower Upper

117 100

119 78.9 77.3 115.9

121 20.4 23.3 34.9#



#44

Trichloroethene

Concen: 690.425 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN077797.D

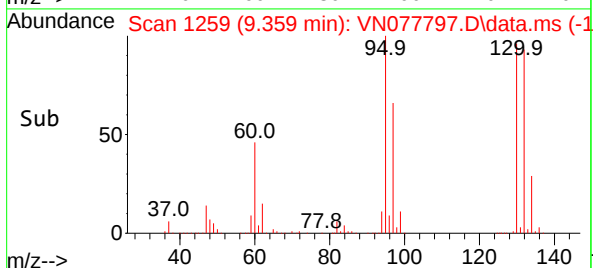
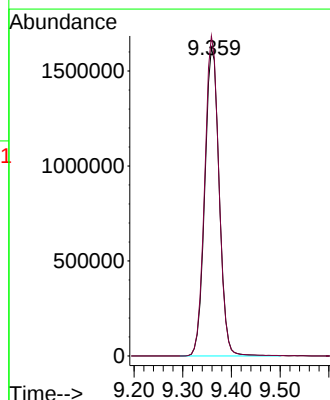
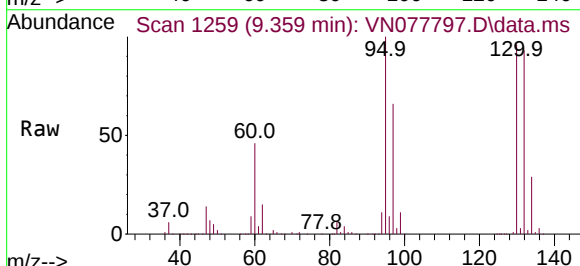
Acq: 22 May 2023 18:17

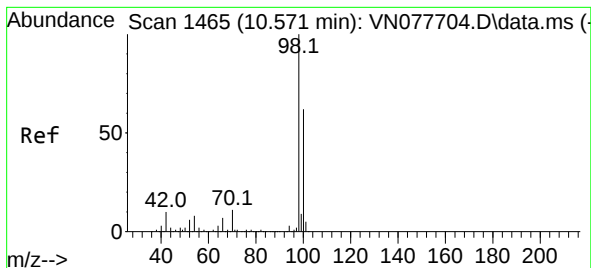
Tgt Ion:130 Resp: 3323053

Ion Ratio Lower Upper

130 100

95 103.9 0.0 204.6





#50

Toluene-d8

Concen: 50.059 ug/l

RT: 10.576 min Scan# 1465

Delta R.T. 0.005 min

Lab File: VN077797.D

Acq: 22 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

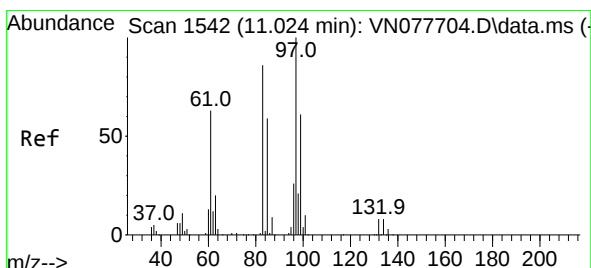
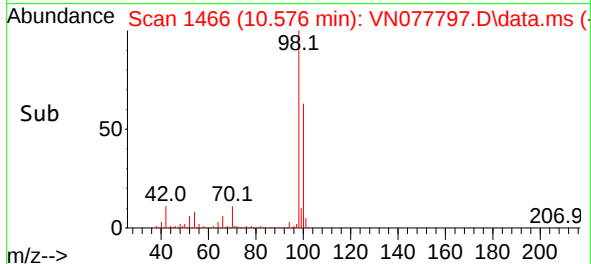
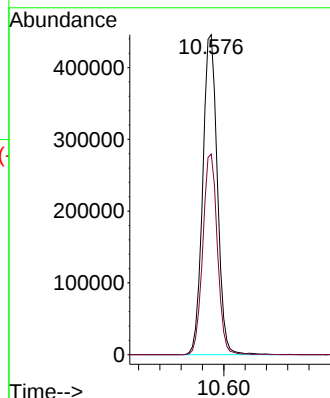
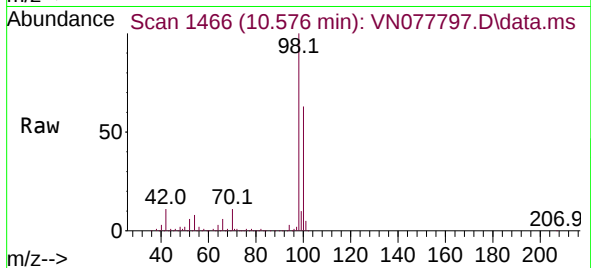
RW4-20230519

Tgt Ion: 98 Resp: 848549

Ion Ratio Lower Upper

98 100

100 62.4 52.0 78.0



#55

1,1,2-Trichloroethane

Concen: 0.319 ug/l

RT: 11.035 min Scan# 1544

Delta R.T. 0.012 min

Lab File: VN077797.D

Acq: 22 May 2023 18:17

Tgt Ion: 97 Resp: 1501

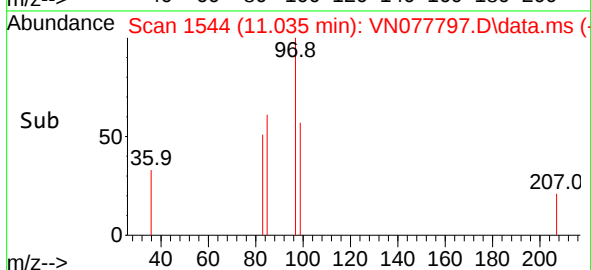
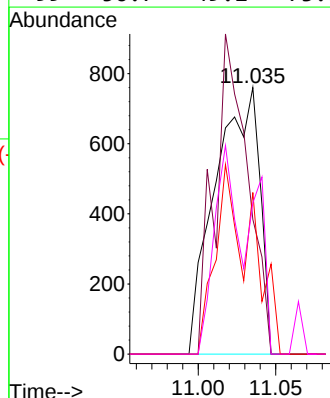
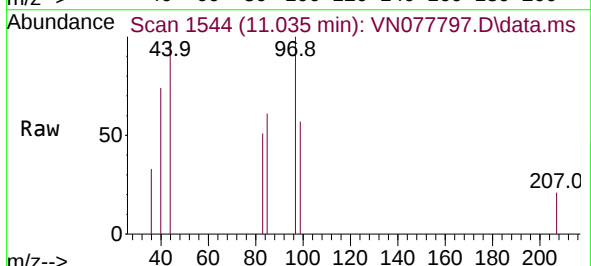
Ion Ratio Lower Upper

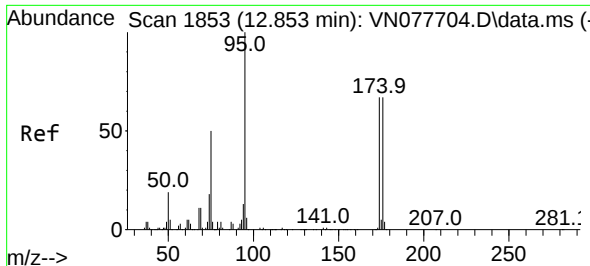
97 100

83 50.5 65.1 97.7#

85 60.7 43.4 65.2

99 56.7 49.2 73.8

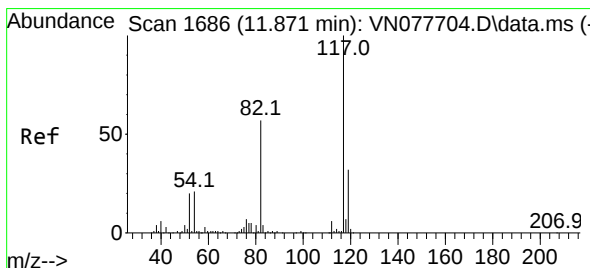
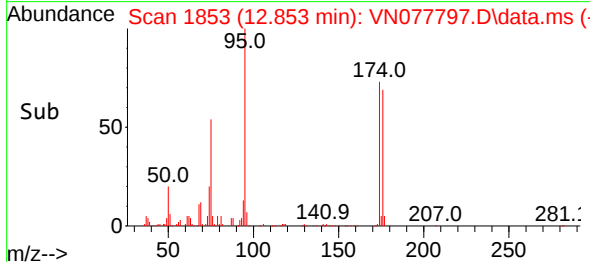
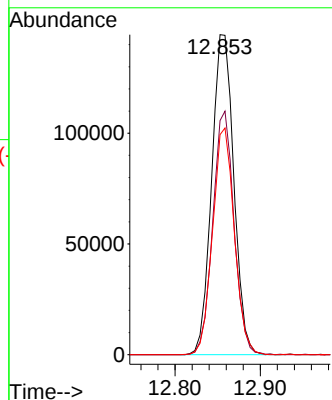
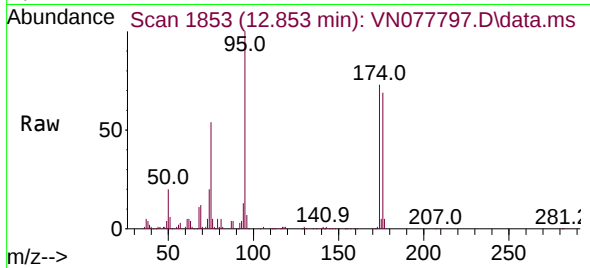




#62
4-Bromofluorobenzene
Concen: 43.529 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077797.D
Acq: 22 May 2023 18:17

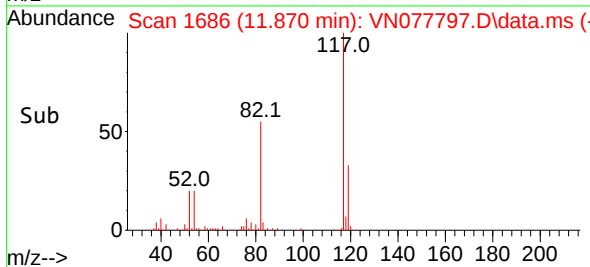
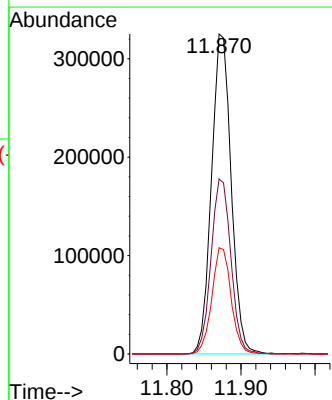
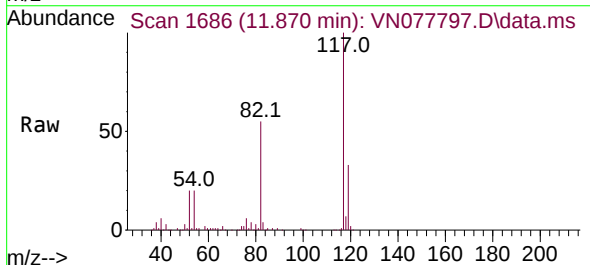
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519

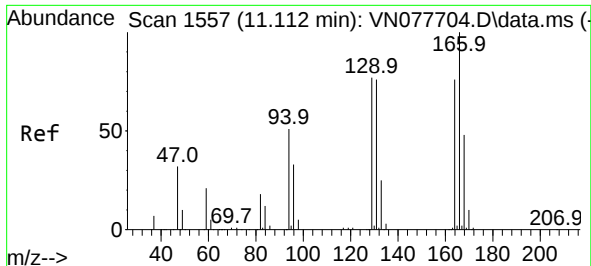
Tgt Ion: 95 Resp: 260597
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 69.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077797.D
Acq: 22 May 2023 18:17

Tgt Ion: 117 Resp: 599432
Ion Ratio Lower Upper
117 100
82 54.7 44.0 66.0
119 33.2 25.6 38.4

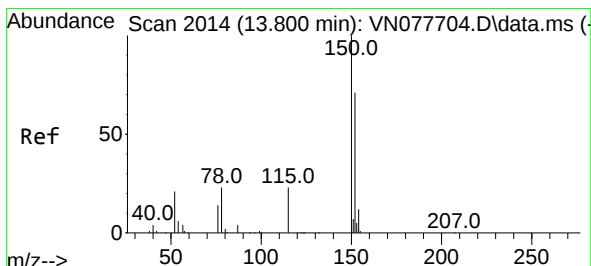
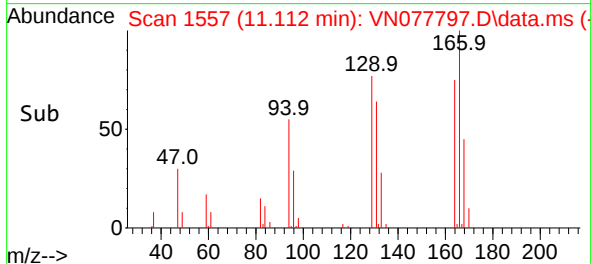
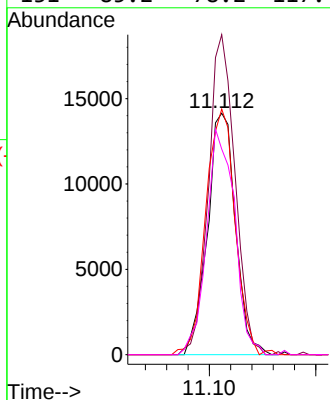
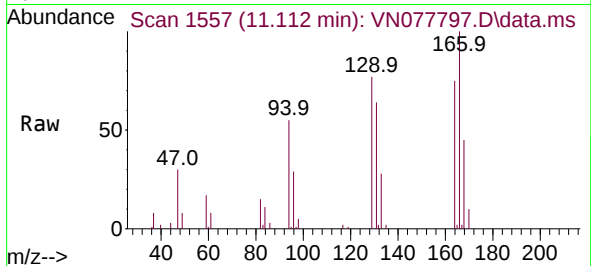




#64
Tetrachloroethene
Concen: 6.177 ug/l
RT: 11.112 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN077797.D
Acq: 22 May 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519

Tgt Ion:164 Resp: 25893
Ion Ratio Lower Upper
164 100
166 132.5 101.4 152.0
129 101.7 82.4 123.6
131 85.2 78.2 117.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077797.D
Acq: 22 May 2023 18:17

Tgt Ion:152 Resp: 194282
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 153.8 0.0 355.8

