

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077904.D
 Acq On : 25 May 2023 16:02
 Operator : JC\MD
 Sample : 02944-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-318-320

Quant Time: May 26 04:33:43 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

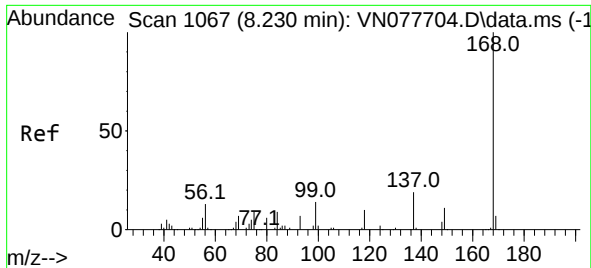
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	401636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	741762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	635125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	198584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274544	45.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.360%		
35) Dibromofluoromethane	8.171	113	233698	48.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.640%		
50) Toluene-d8	10.576	98	904378	48.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.160%		
62) 4-Bromofluorobenzene	12.859	95	292593	44.498	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1629	Below Cal	#	66
11) Tert butyl alcohol	5.530	59	643	0.775	ug/l #	72
13) Acrolein	4.194	56	209	Below Cal	#	54
16) Acetone	4.447	43	2000	1.058	ug/l #	87
17) Carbon Disulfide	4.718	76	3523	0.310	ug/l #	75
20) Methylene Chloride	5.283	84	132	Below Cal	#	36
31) Cyclohexane	8.235	56	9243	1.132	ug/l #	30
36) 1,1-Dichloropropene	8.229	75	34616	4.893	ug/l #	48
38) Carbon Tetrachloride	8.235	117	43202	6.047	ug/l #	17
76) 1,2,3-Trichloropropane	12.859	75	150736	30.309	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	150736	96.884	ug/l #	15
95) Naphthalene	15.641	128	2951	0.217	ug/l #	82

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

Quant Time: May 26 04:33:43 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

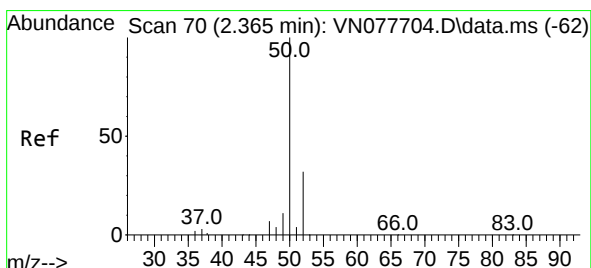
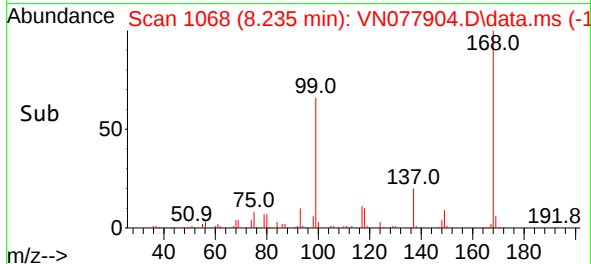
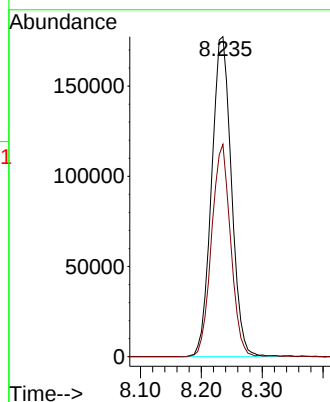
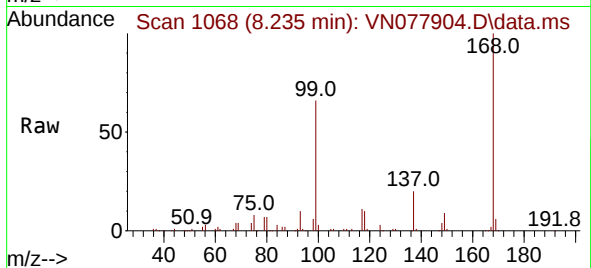




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

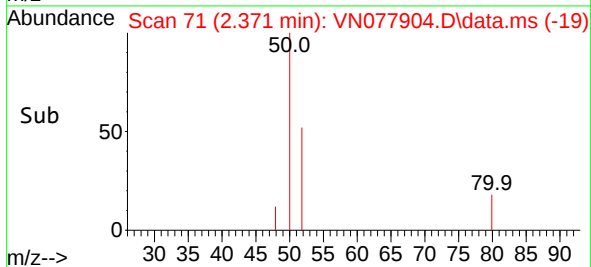
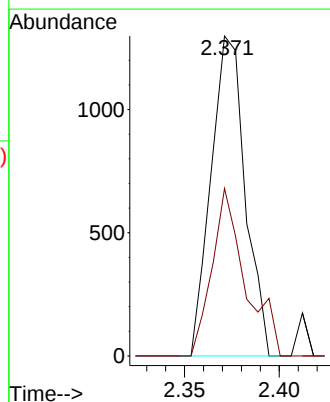
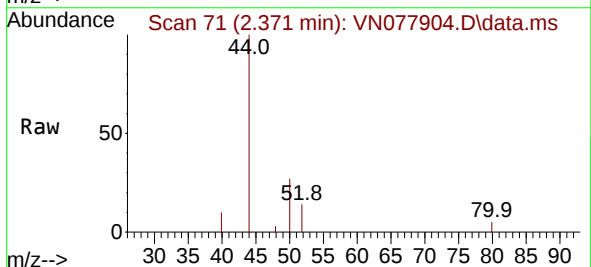
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-318-320

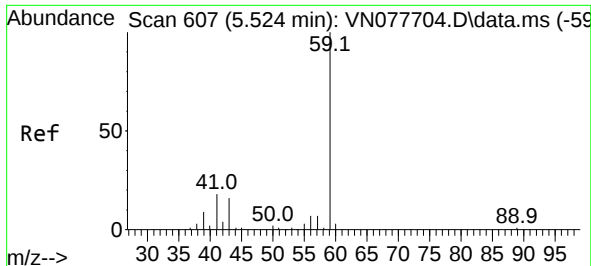
Tgt Ion:168 Resp: 401636
Ion Ratio Lower Upper
168 100
99 66.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

Tgt Ion: 50 Resp: 1629
Ion Ratio Lower Upper
50 100
52 52.3 26.5 39.7#

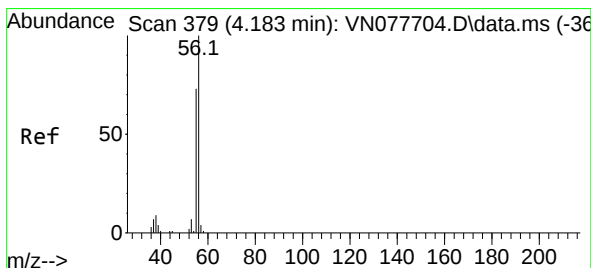
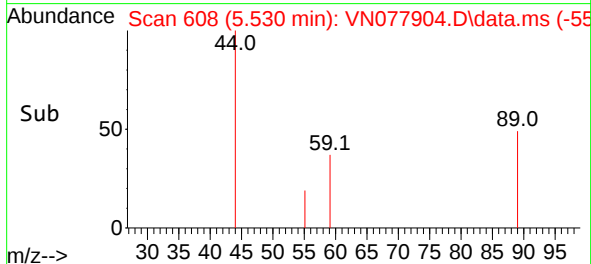
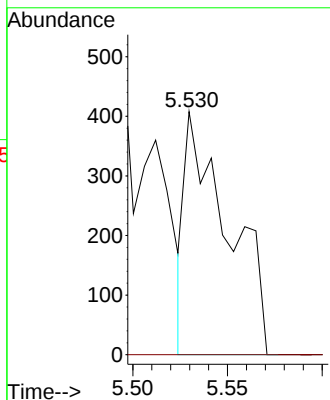
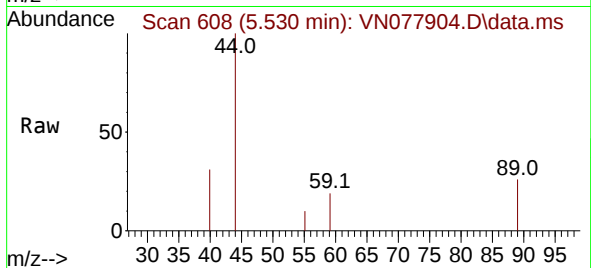




#11
Tert butyl alcohol
Concen: 0.775 ug/l
RT: 5.530 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

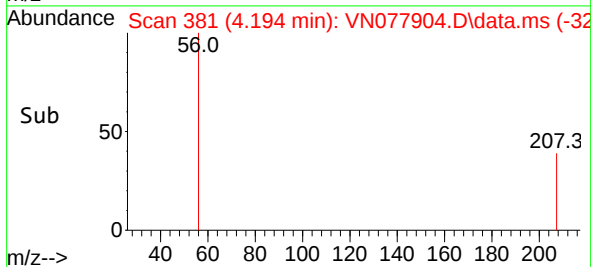
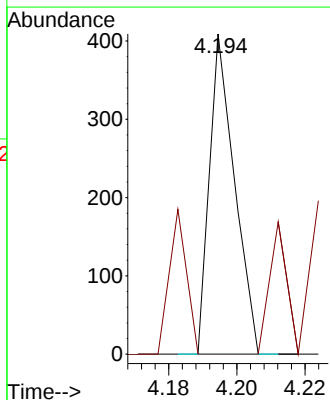
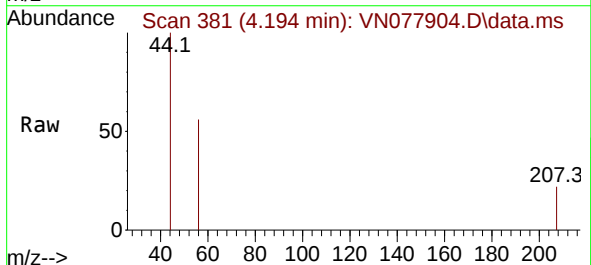
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-318-320

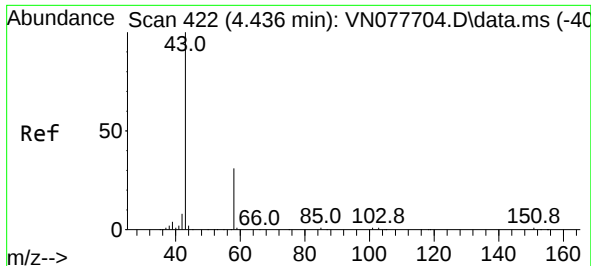
Tgt Ion: 59 Resp: 643
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 31.1 54.5 81.7#

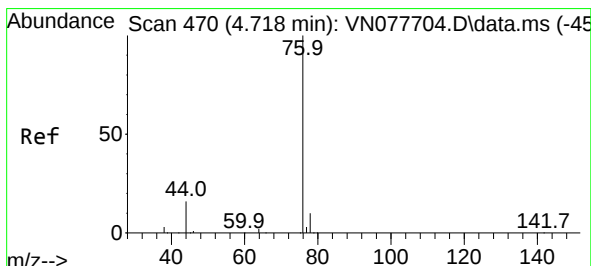
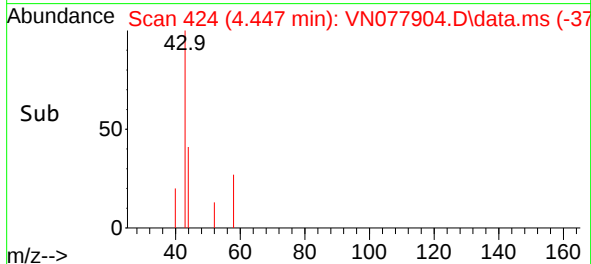
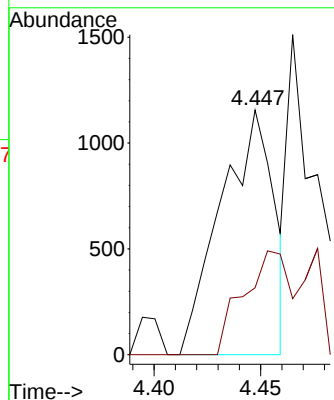
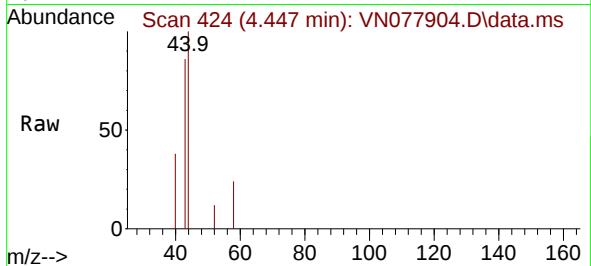




#16
Acetone
Concen: 1.058 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

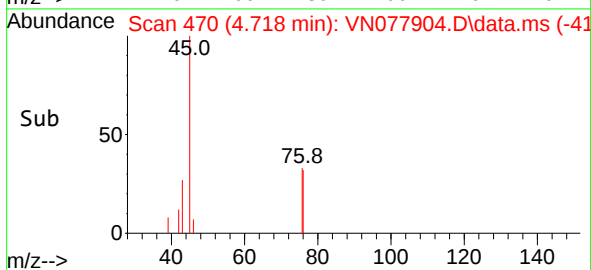
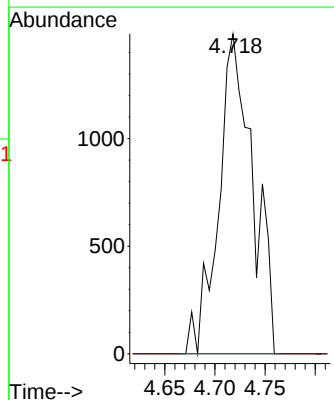
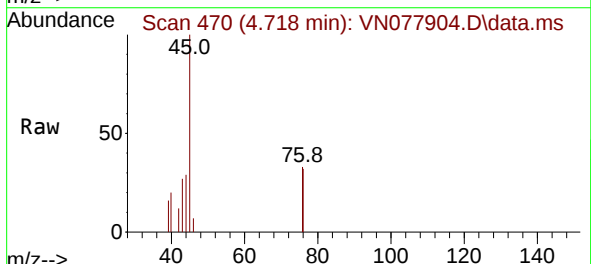
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-318-320

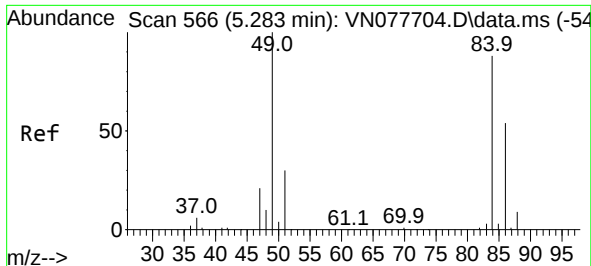
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
58 27.3 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

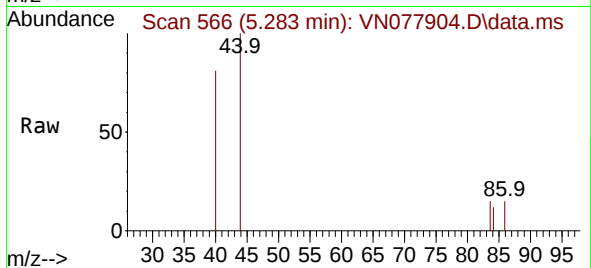
Tgt Ion: 76 Resp: 3523
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



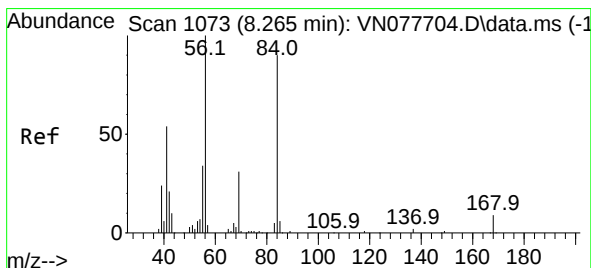
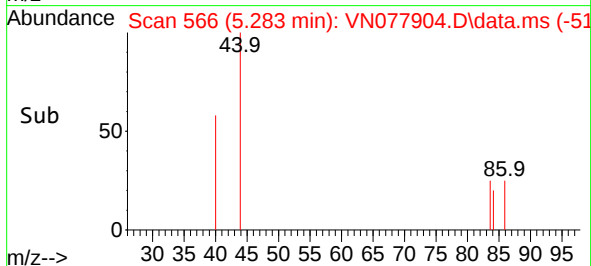
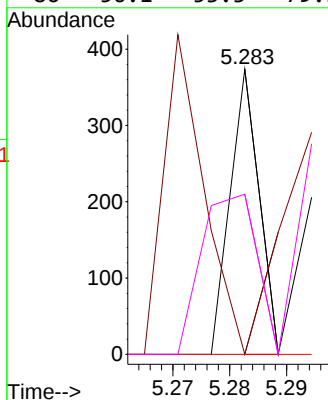


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-318-320

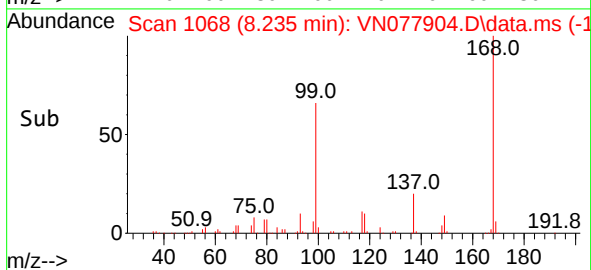
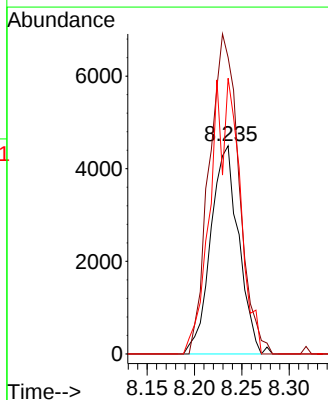
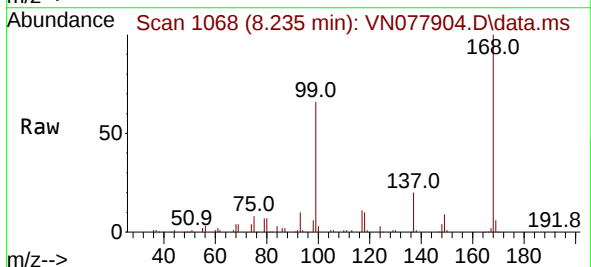


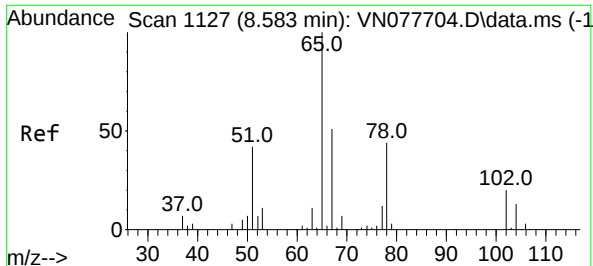
Tgt Ion:	84	Resp:	132
Ion	Ratio	Lower	Upper
84	100		
49	0.0	79.7	119.5#
51	0.0	25.2	37.8#
86	56.1	53.3	79.9



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

Tgt Ion:	56	Resp:	9243
Ion	Ratio	Lower	Upper
56	100		
69	142.4	26.8	40.2#
84	132.4	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.685 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077904.D

Acq: 25 May 2023 16:02

Instrument :

MSVOA_N

ClientSampleId :

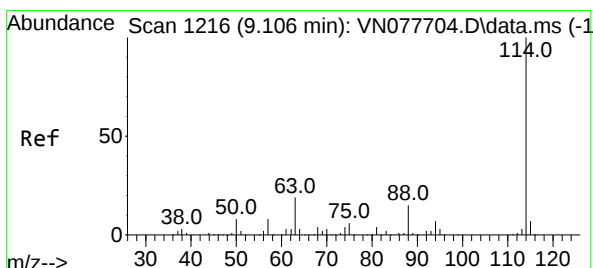
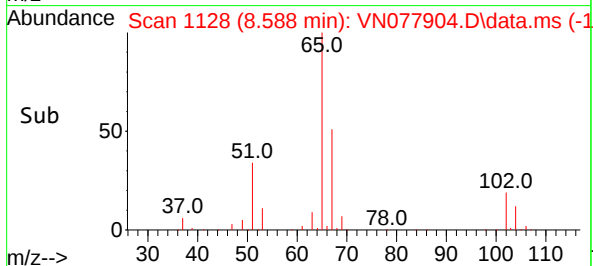
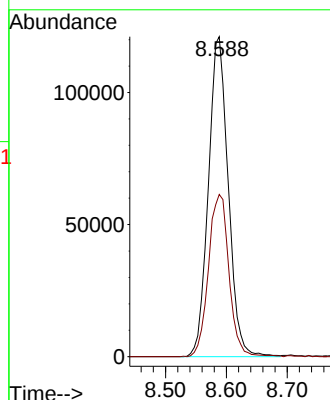
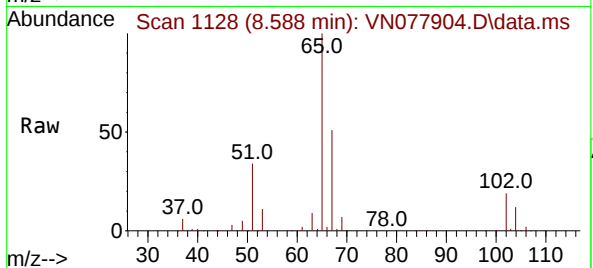
BP-VPB-RW11-GW-318-320

Tgt Ion: 65 Resp: 274544

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077904.D

Acq: 25 May 2023 16:02

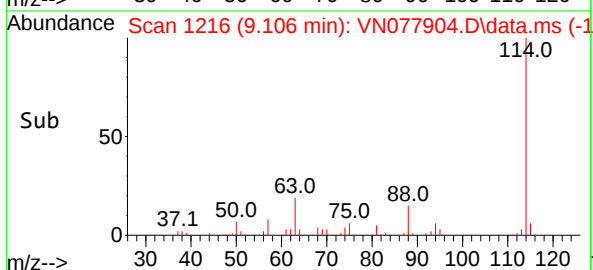
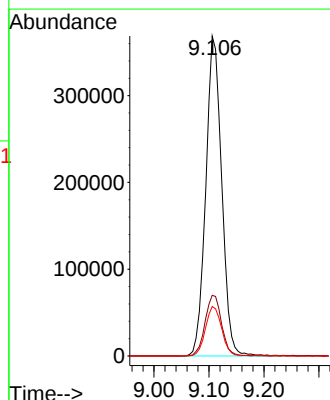
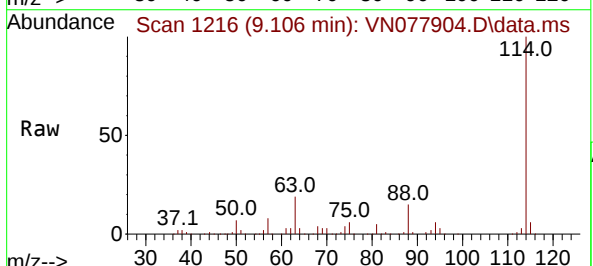
Tgt Ion: 114 Resp: 741762

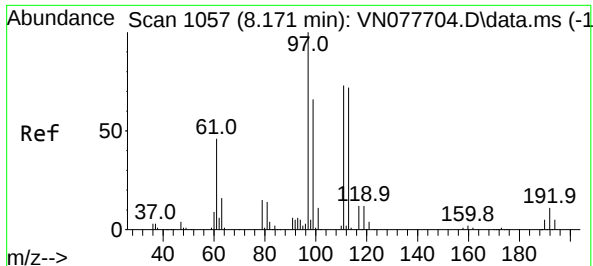
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 15.5 0.0 30.6

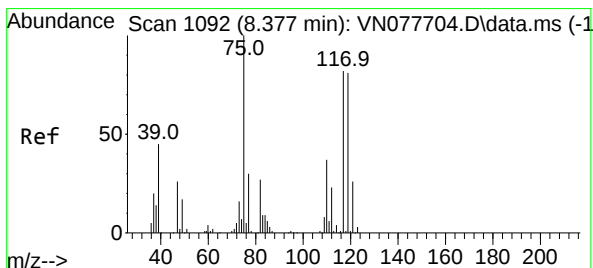
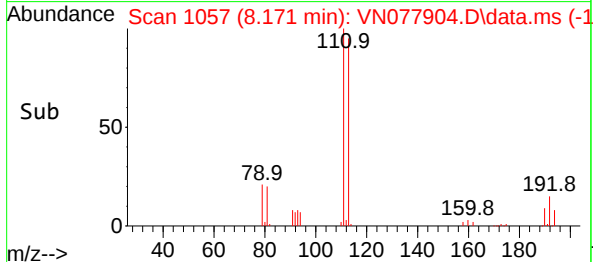
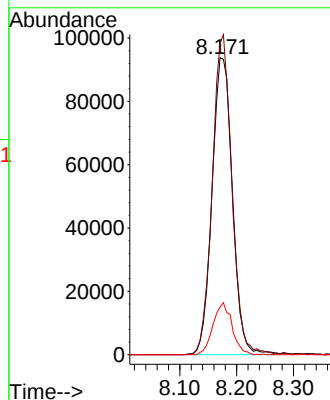
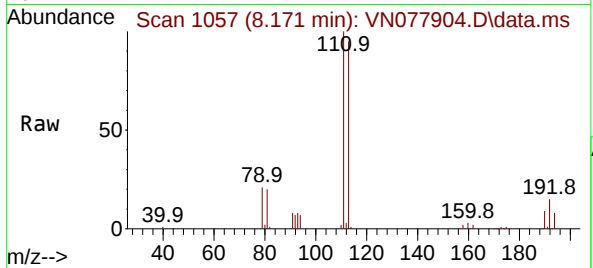




#35
Dibromofluoromethane
Concen: 48.315 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

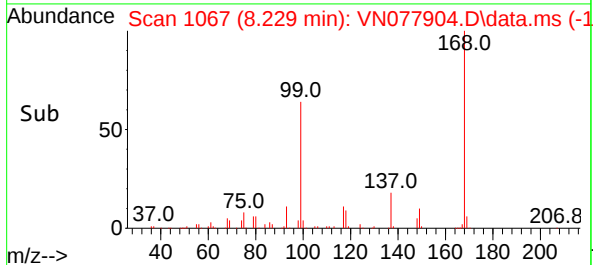
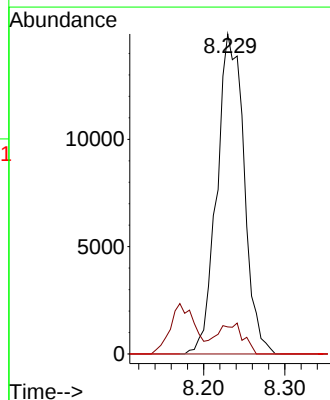
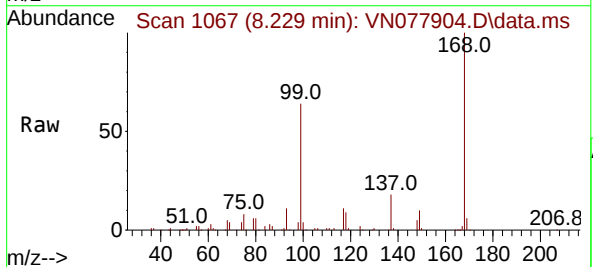
Instrument : MSVOA_N
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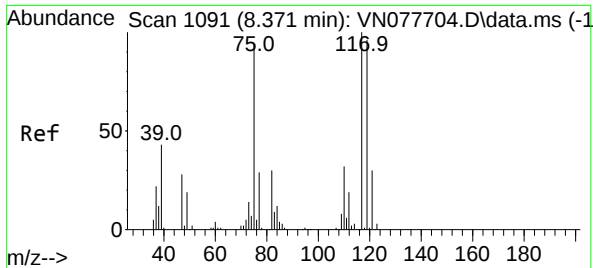
Tgt Ion:113 Resp: 233698
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 16.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

Tgt Ion: 75 Resp: 34616
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.0 25.0 37.4#

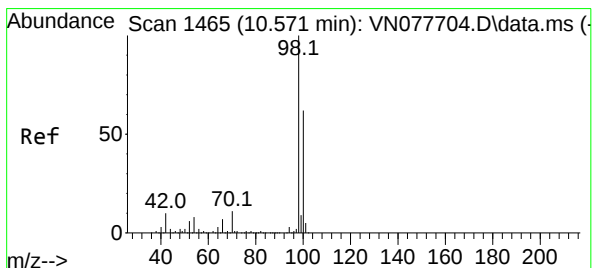
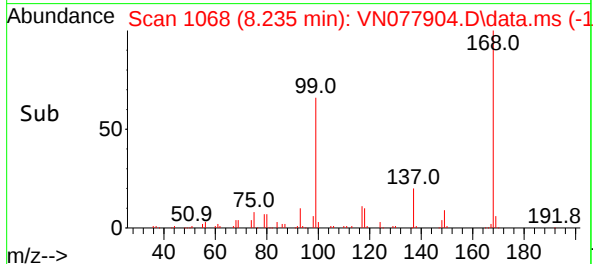
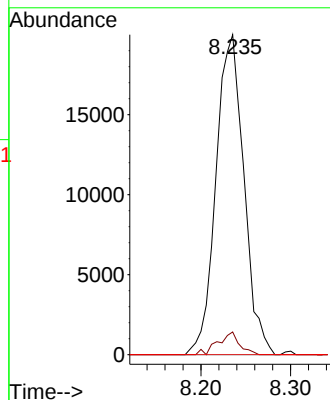
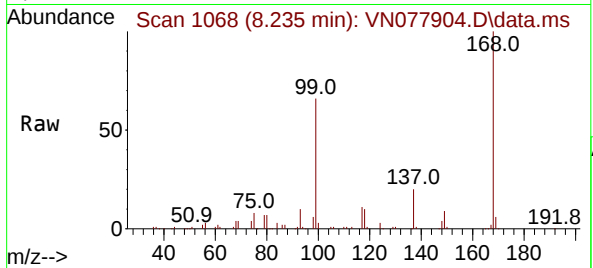




#38
Carbon Tetrachloride
Concen: 6.047 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

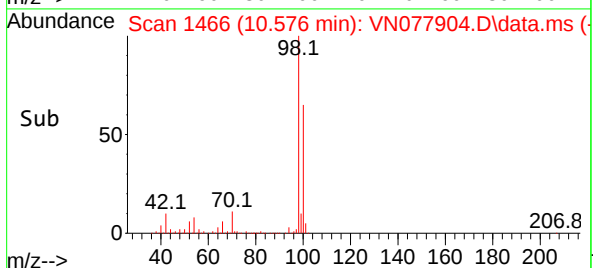
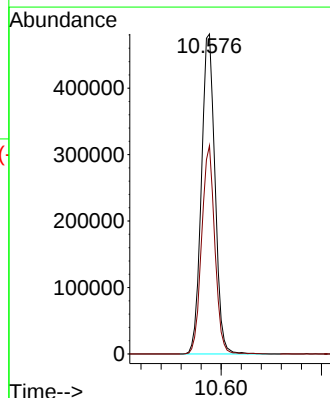
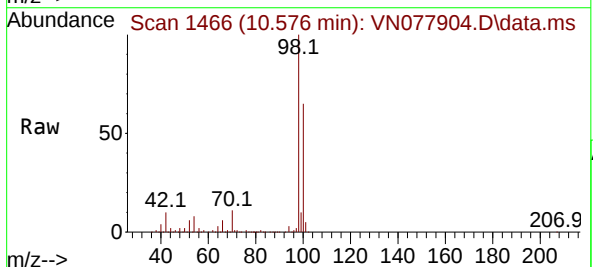
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-318-320

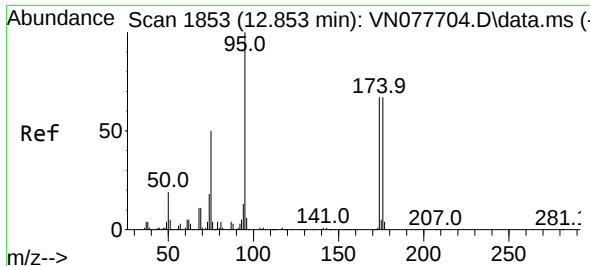
Tgt Ion:117 Resp: 43202
Ion Ratio Lower Upper
117 100
119 7.1 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.576 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

Tgt Ion: 98 Resp: 904378
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

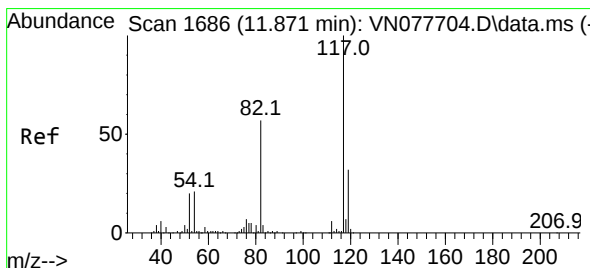
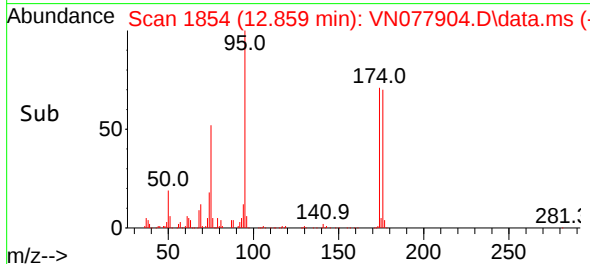
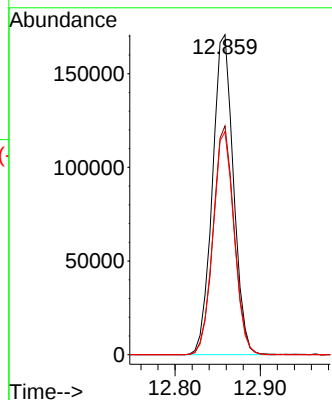
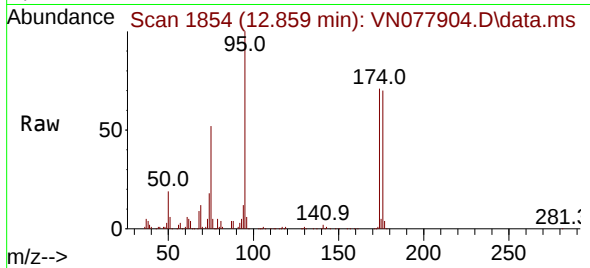




#62
4-Bromofluorobenzene
Concen: 44.498 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

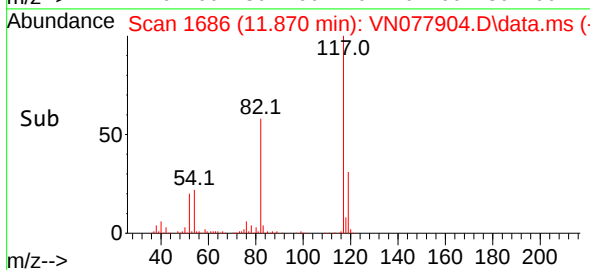
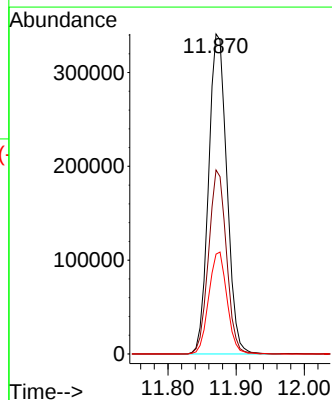
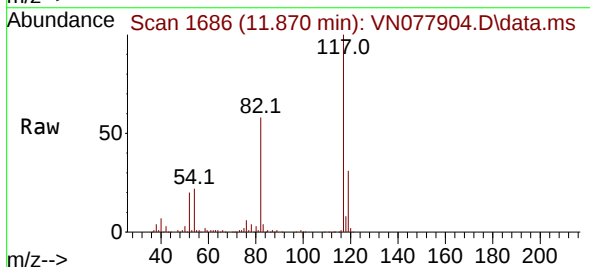
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-318-320

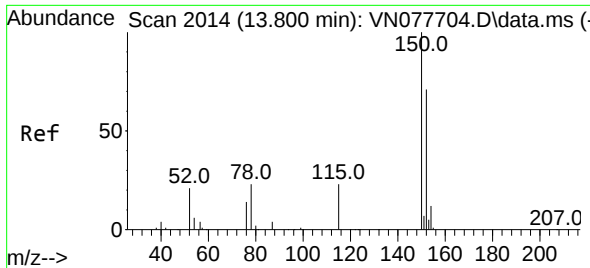
Tgt Ion: 95 Resp: 292593
Ion Ratio Lower Upper
95 100
174 71.5 0.0 143.8
176 69.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077904.D
Acq: 25 May 2023 16:02

Tgt Ion: 117 Resp: 635125
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 31.2 25.6 38.4

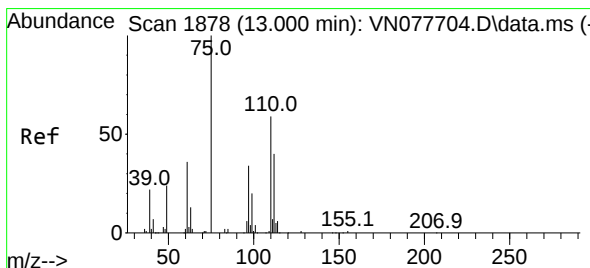
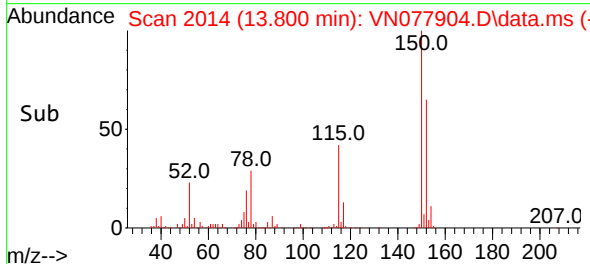
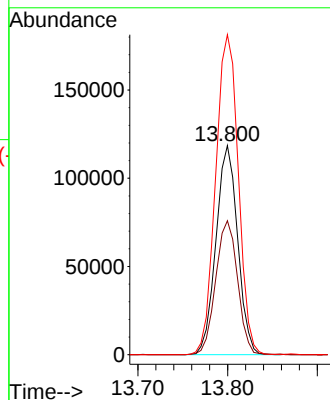
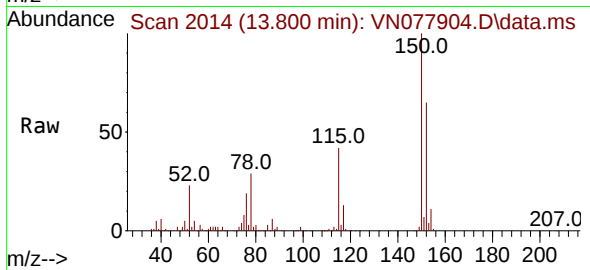




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077904.D
 Acq: 25 May 2023 16:02

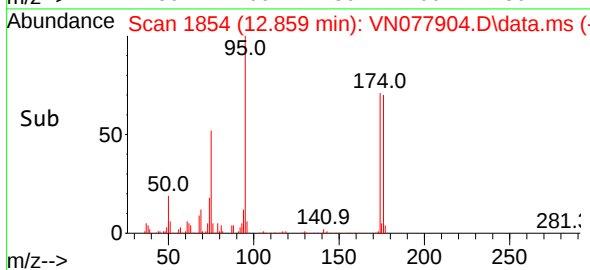
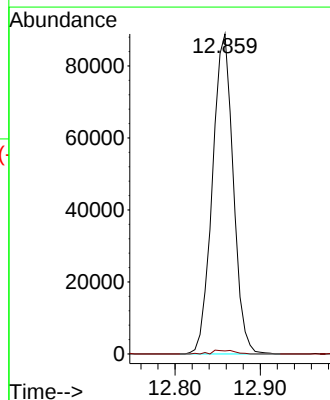
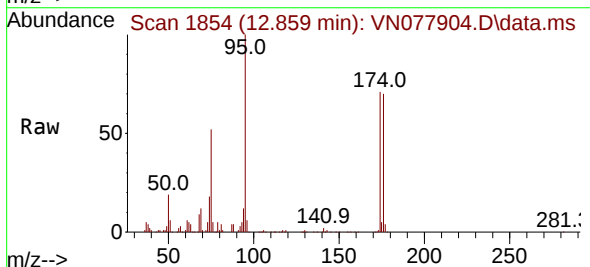
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-318-320

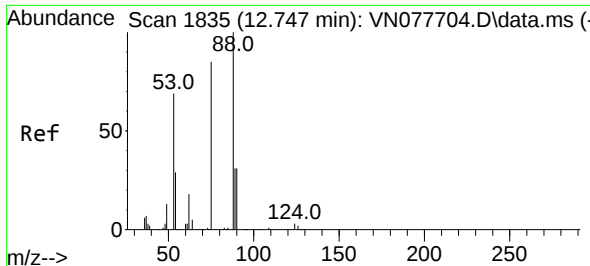
Tgt Ion:152 Resp: 198584
 Ion Ratio Lower Upper
 152 100
 115 64.7 32.3 96.8
 150 160.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.309 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077904.D
 Acq: 25 May 2023 16:02

Tgt Ion: 75 Resp: 150736
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#

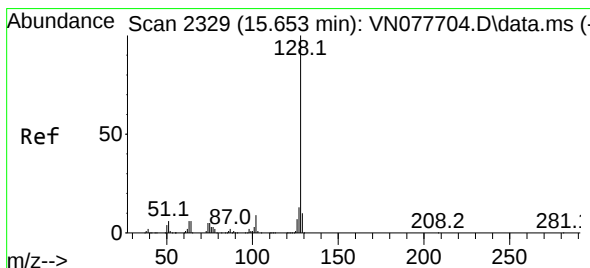
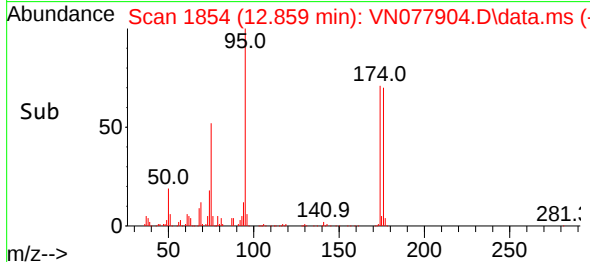
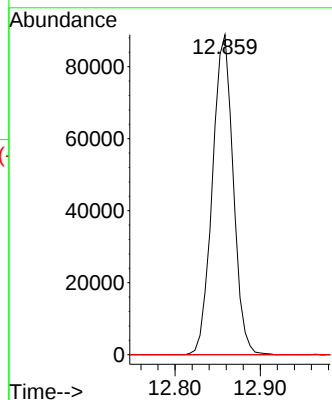
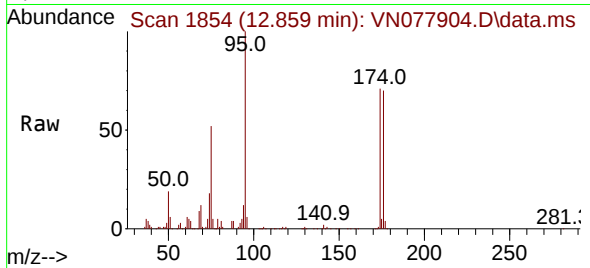




#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.884 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. 0.118 min
 Lab File: VN077904.D
 Acq: 25 May 2023 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-318-320

Tgt Ion: 75 Resp: 150736
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#95
 Naphthalene
 Concen: 0.217 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. -0.006 min
 Lab File: VN077904.D
 Acq: 25 May 2023 16:02

Tgt Ion:128 Resp: 2951
 Ion Ratio Lower Upper
 128 100
 127 9.3 10.0 15.0#
 129 0.0 8.7 13.1#

