

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077509.D
 Acq On : 28 Apr 2023 19:06
 Operator : JC\MD
 Sample : 02469-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-24

Quant Time: Apr 28 19:23:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

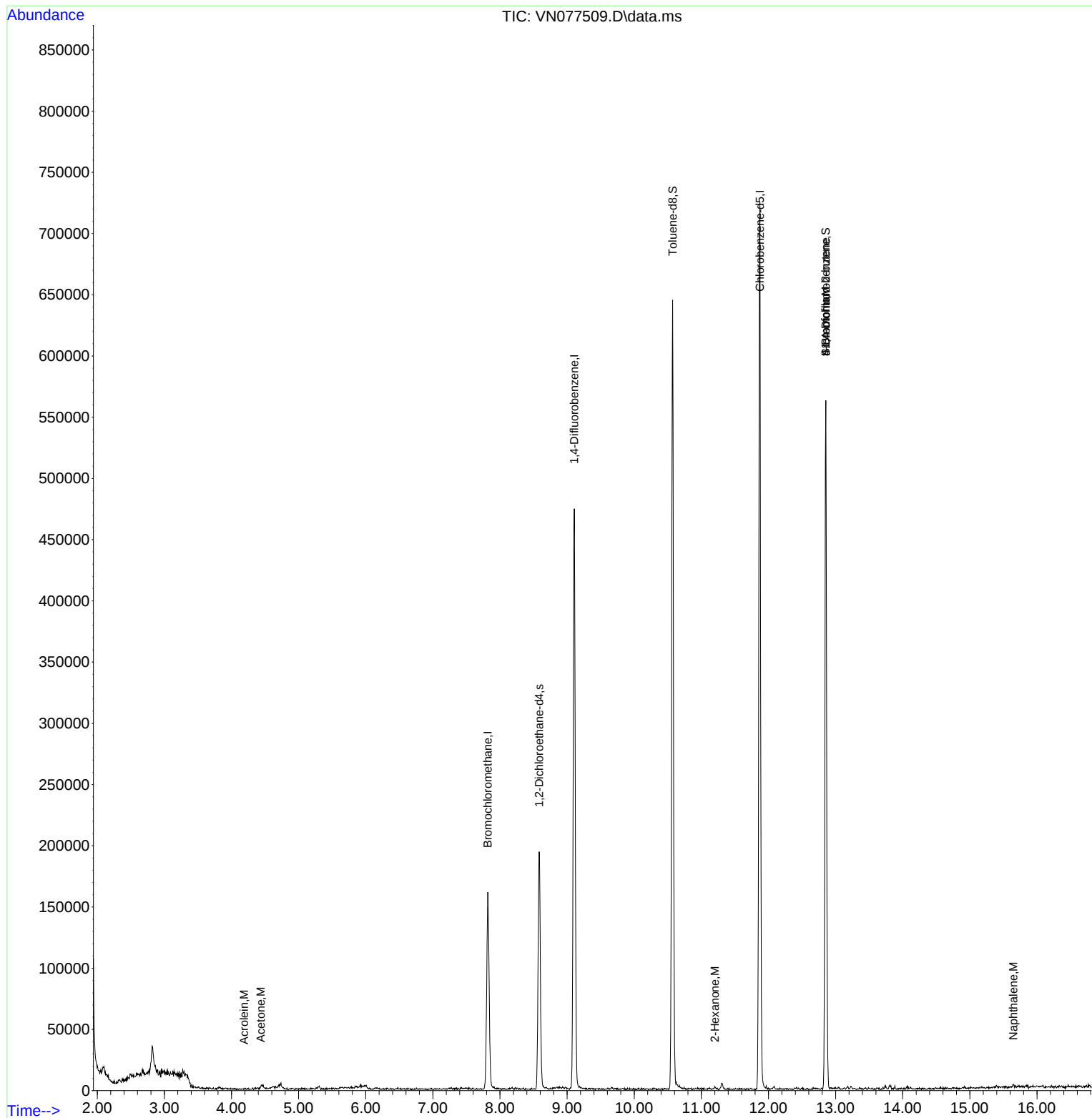
Internal Standards						
1) Bromochloromethane	7.819	128	61284	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	437241	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	437233	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	165216	30.240	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.800%
60) 4-Bromofluorobenzene	12.854	95	200249	26.142	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.133%
63) Toluene-d8	10.572	98	472530	30.670	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.233%
Target Compounds						
					Qvalue	
13) Acrolein	4.190	56	227	0.209	ug/l	95
15) Acetone	4.437	58	306	0.346	ug/l #	1
56) Bromoform	12.854	173	1423	0.302	ug/l #	1
59) 2-Hexanone	11.201	43	1165	0.251	ug/l #	43
77) t-1,4-Dichloro-2-butene	12.854	75	109963	40.757	ug/l #	19
91) Naphthalene	15.648	128	2669	0.231	ug/l #	69

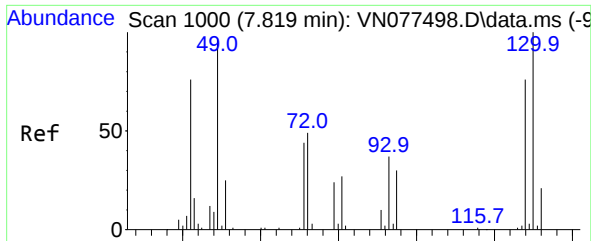
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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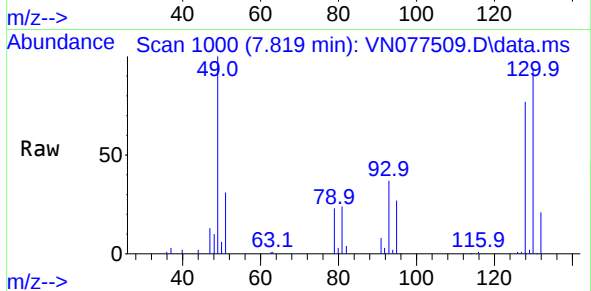
Quant Time: Apr 28 19:23:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 28 16:20:59 2023
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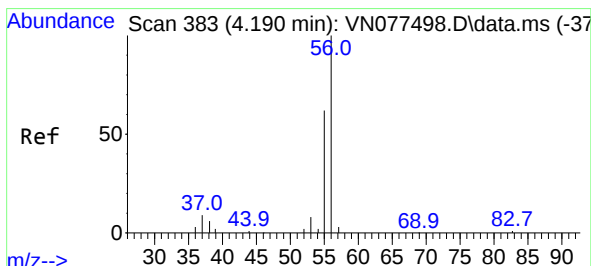
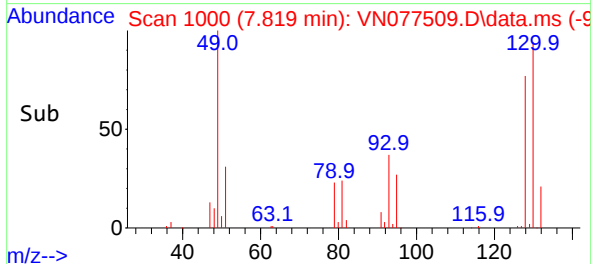
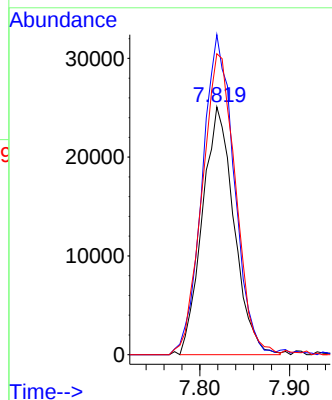


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Instrument :
MSVOA_N
ClientSampleId :
TWP-24

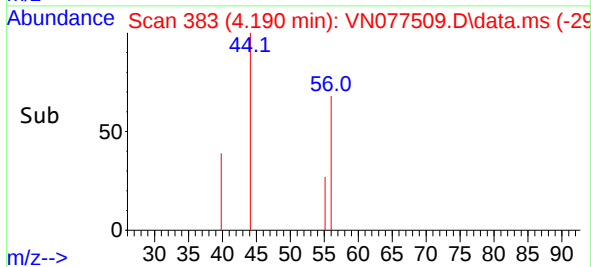
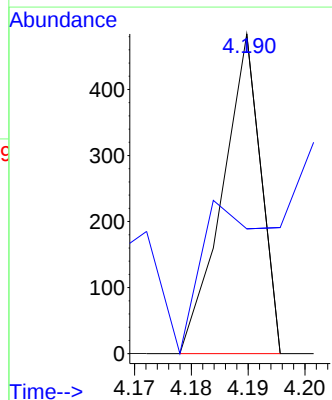
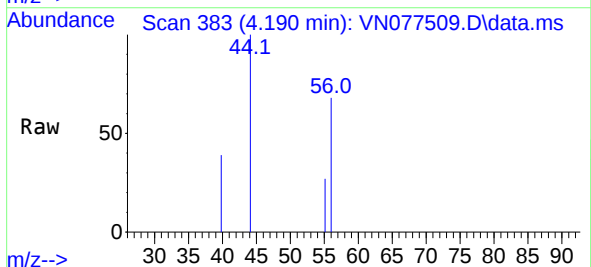


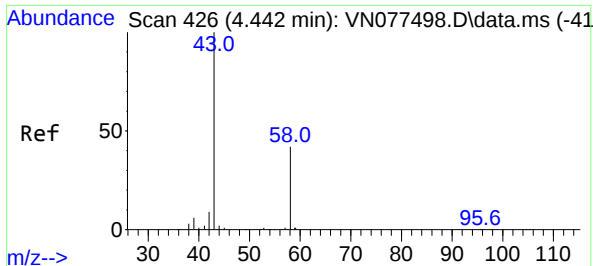
Tgt Ion:128 Resp: 61284
Ion Ratio Lower Upper
128 100
49 130.4 0.0 338.5
130 128.4 0.0 326.3



#13
Acrolein
Concen: 0.209 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 65.6 55.8 83.6

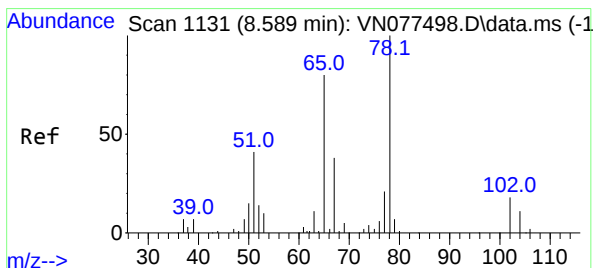
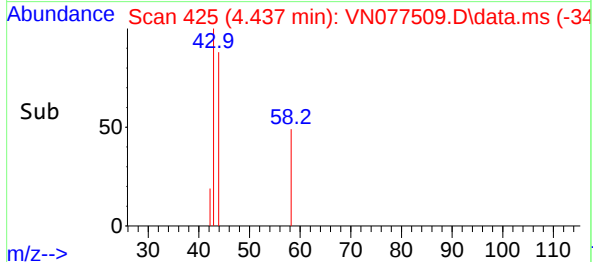
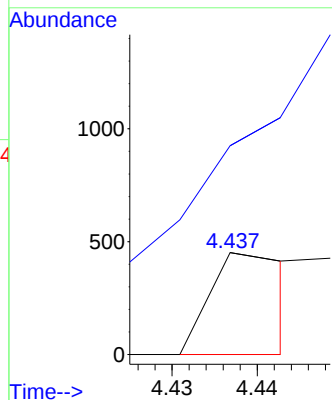
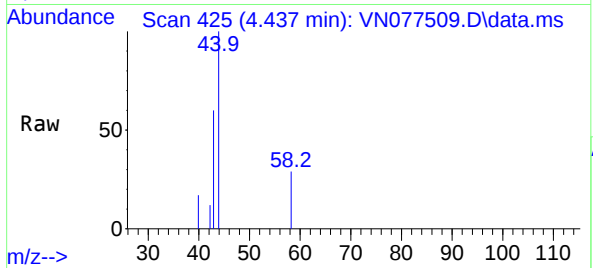




#15
Acetone
Concen: 0.346 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

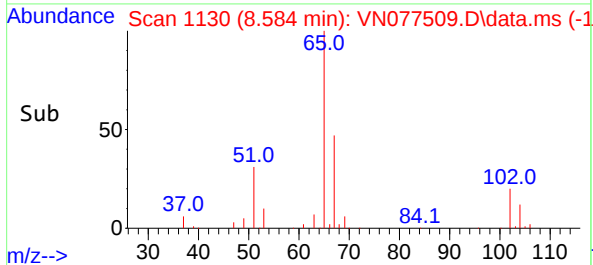
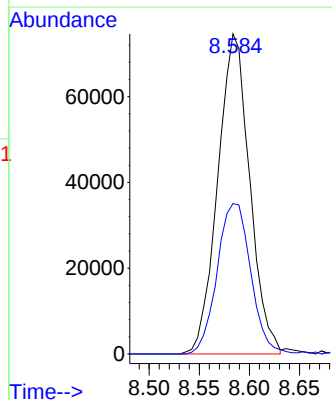
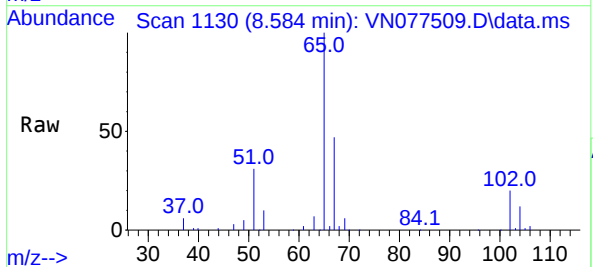
Instrument :
MSVOA_N
ClientSampleId :
TWP-24

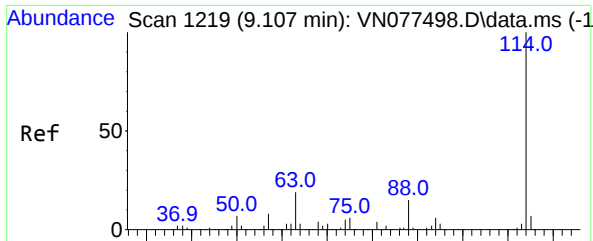
Tgt Ion: 58 Resp: 306
Ion Ratio Lower Upper
58 100
43 72.6 197.2 295.8#



#27
1,2-Dichloroethane-d4
Concen: 30.240 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion: 65 Resp: 165216
Ion Ratio Lower Upper
65 100
67 49.4 40.2 60.2

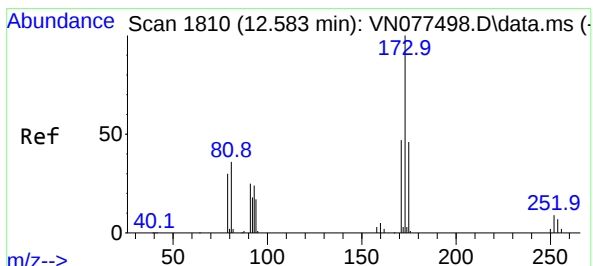
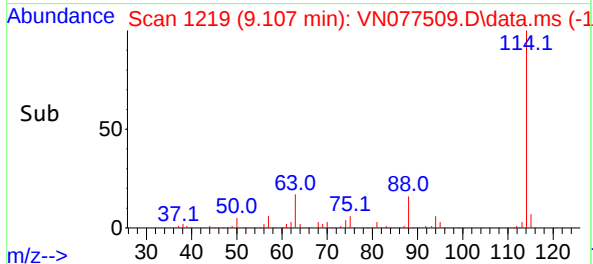
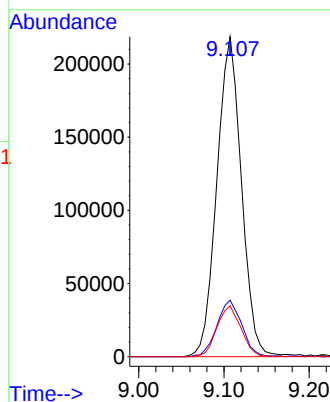
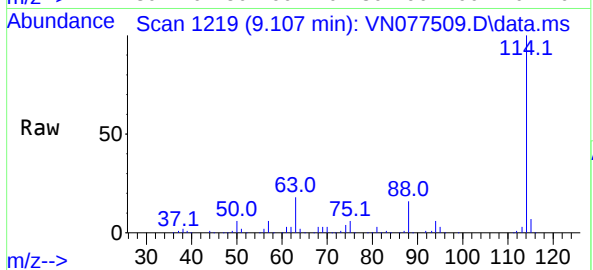




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

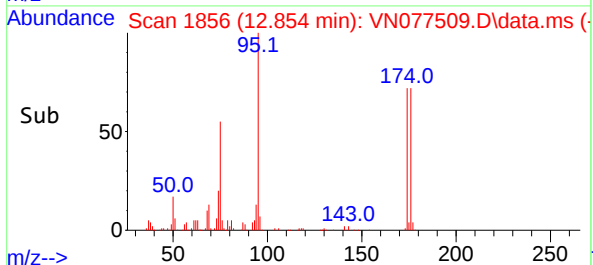
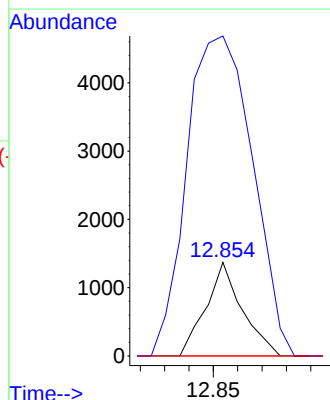
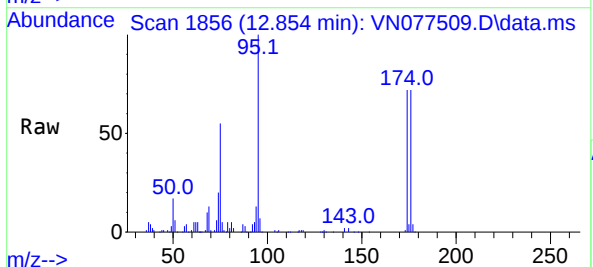
Instrument :
MSVOA_N
ClientSampleId :
TWP-24

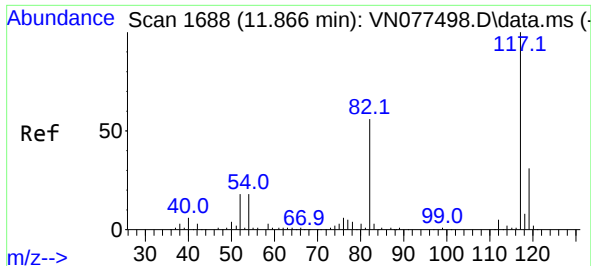
Tgt Ion:114 Resp: 437241
Ion Ratio Lower Upper
114 100
63 17.9 14.1 21.1
88 15.5 12.3 18.5



#56
Bromoform
Concen: 0.302 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion:173 Resp: 1423
Ion Ratio Lower Upper
173 100
175 617.9 40.3 60.5#
254 0.0 5.0 7.6#

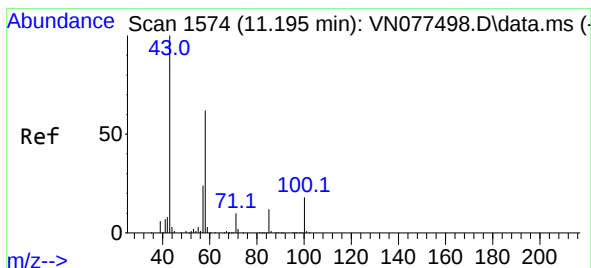
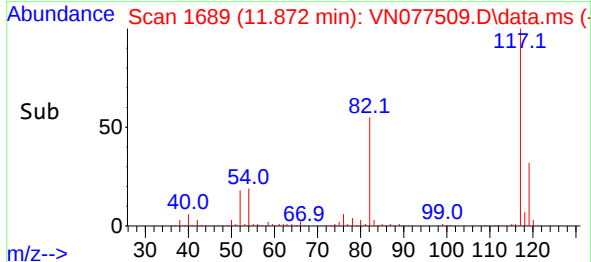
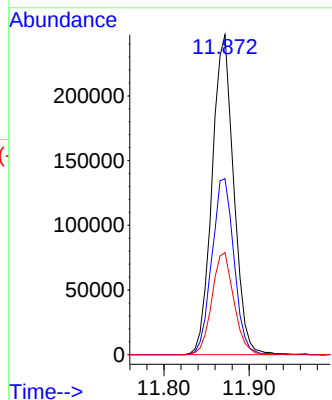
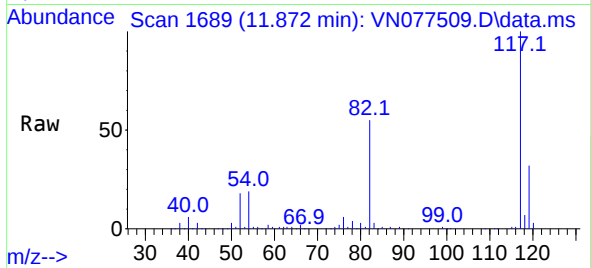




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

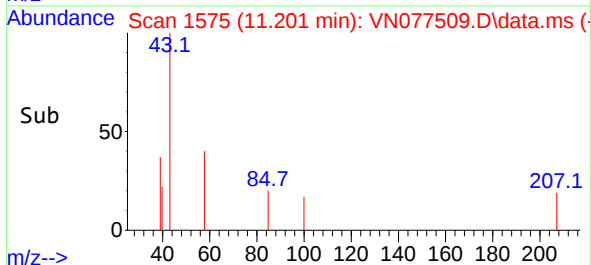
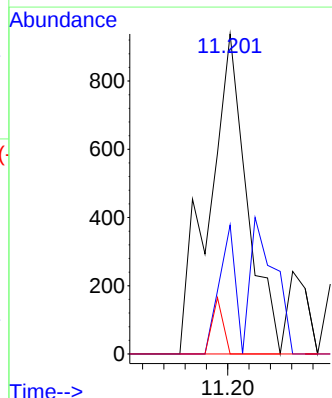
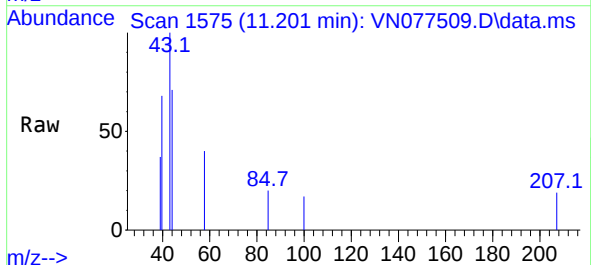
Instrument :
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ClientSampleId :
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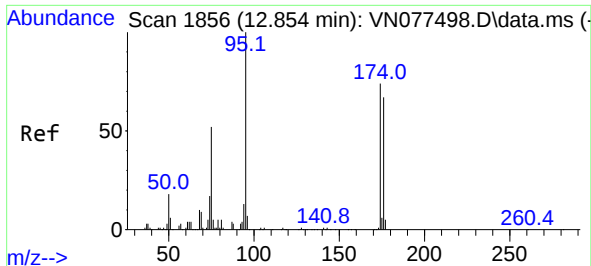
Tgt Ion:117 Resp: 437233
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 32.5 25.4 38.2



#59
2-Hexanone
Concen: 0.251 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion: 43 Resp: 1165
Ion Ratio Lower Upper
43 100
58 17.1 51.8 77.8#
57 0.0 18.2 27.4#

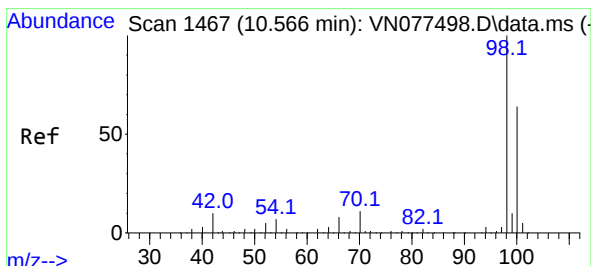
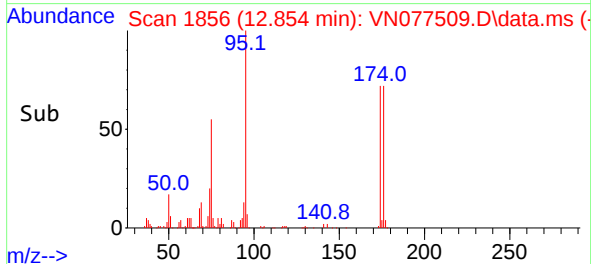
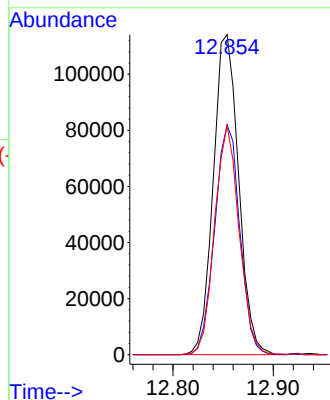
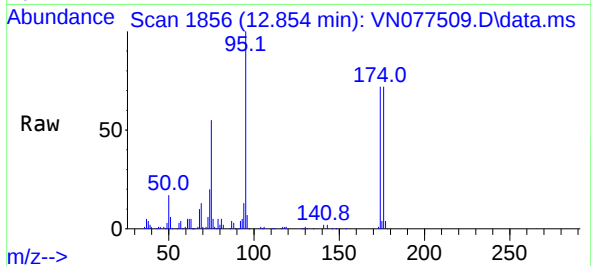




#60
4-Bromofluorobenzene
Concen: 26.142 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

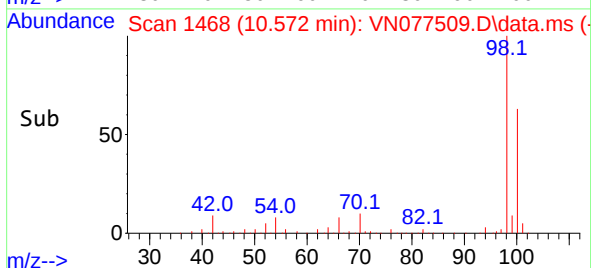
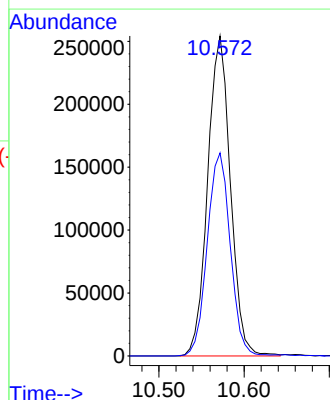
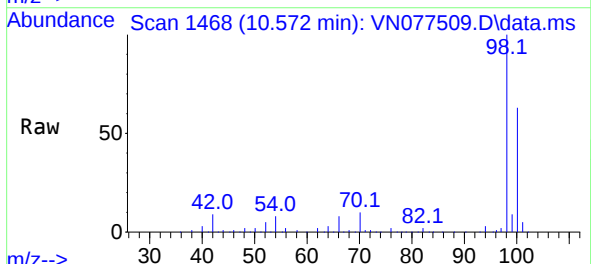
Instrument :
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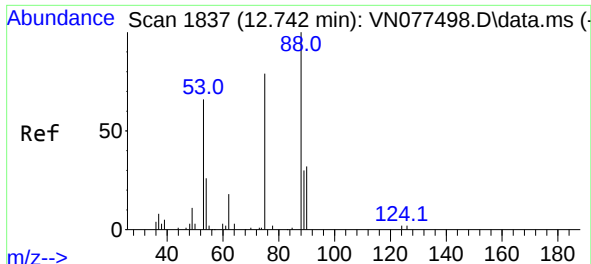
Tgt Ion: 95 Resp: 200249
Ion Ratio Lower Upper
95 100
174 71.1 55.9 83.9
176 69.2 53.9 80.9



#63
Toluene-d8
Concen: 30.670 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion: 98 Resp: 472530
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.4

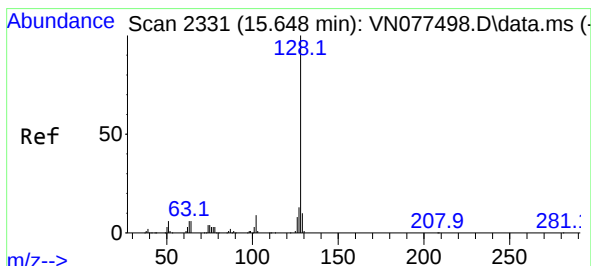
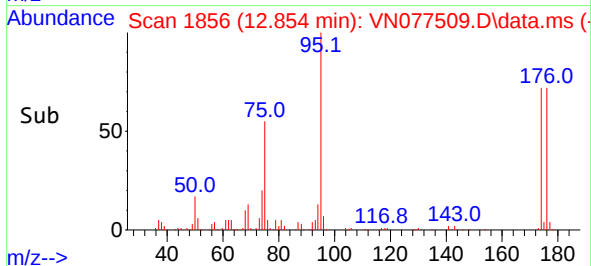
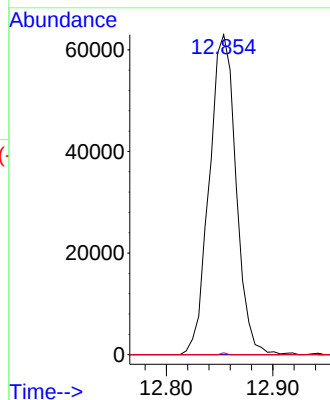
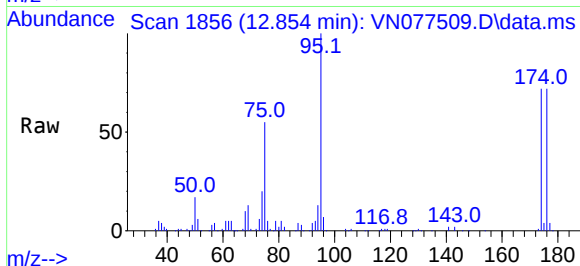




#77
t-1,4-Dichloro-2-butene
Concen: 40.757 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Instrument :
MSVOA_N
ClientSampleId :
TWP-24

Tgt Ion: 75 Resp: 109963
Ion Ratio Lower Upper
75 100
53 0.0 38.2 114.6#
89 0.6 22.1 66.1#



#91
Naphthalene
Concen: 0.231 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.000 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion: 128 Resp: 2669
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

