

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077507.D
 Acq On : 28 Apr 2023 18:18
 Operator : JC\MD
 Sample : 02469-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-02

Quant Time: Apr 28 19:05:05 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)

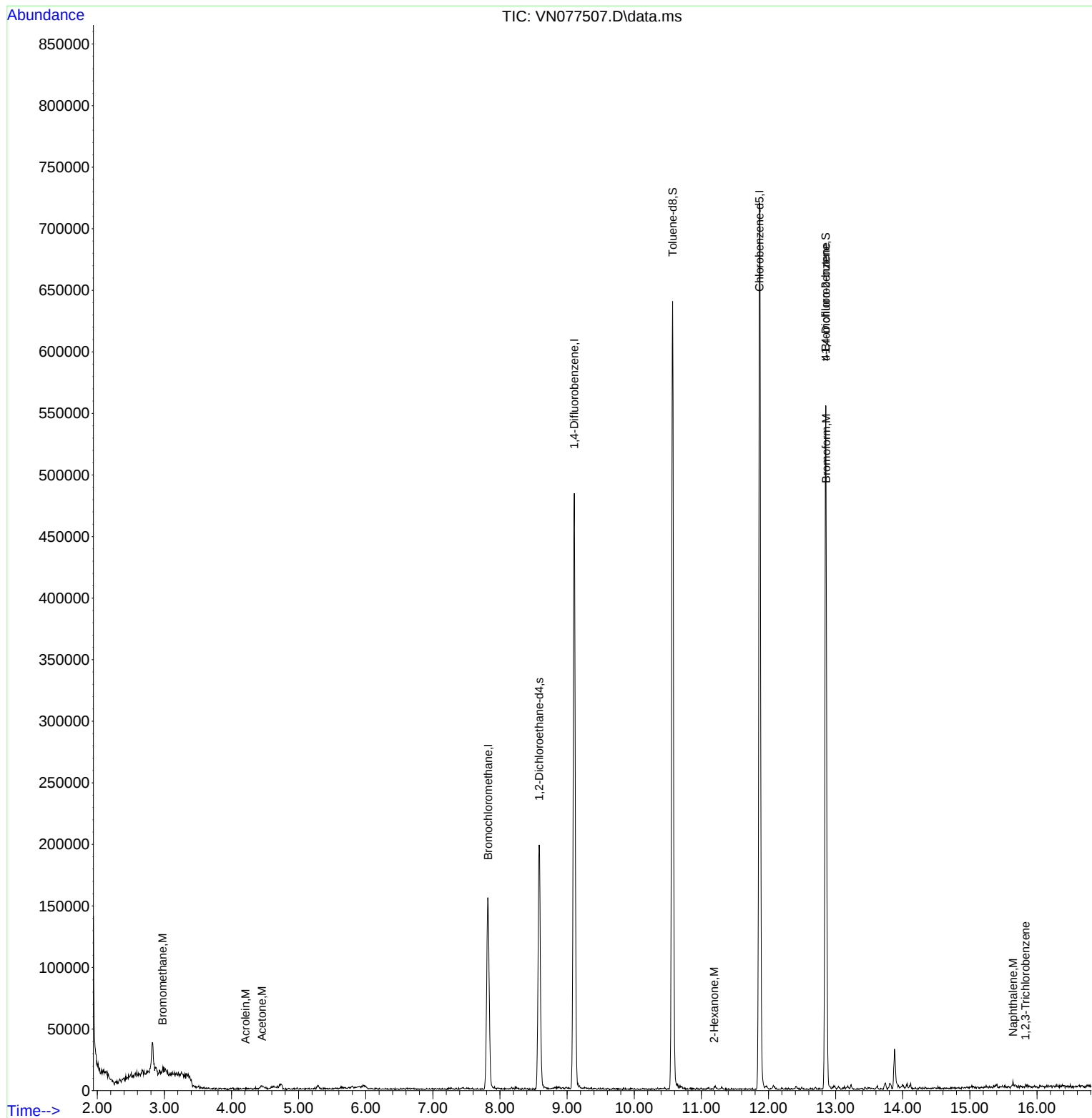
Internal Standards						
1) Bromochloromethane	7.825	128	62240	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	441231	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	442976	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	166826	30.065	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.233%
60) 4-Bromofluorobenzene	12.854	95	205256	26.448	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.167%
63) Toluene-d8	10.572	98	477615	30.598	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	1463	0.218	ug/l #	54
13) Acrolein	4.207	56	473	0.430	ug/l #	71
15) Acetone	4.454	58	687	0.764	ug/l #	20
56) Bromoform	12.860	173	1217	0.256	ug/l #	1
59) 2-Hexanone	11.189	43	1209	0.257	ug/l #	63
77) t-1,4-Dichloro-2-butene	12.854	75	107334	39.267	ug/l #	19
91) Naphthalene	15.642	128	3827	0.327	ug/l #	74
92) 1,2,3-Trichlorobenzene	15.830	180	606	0.202	ug/l	55

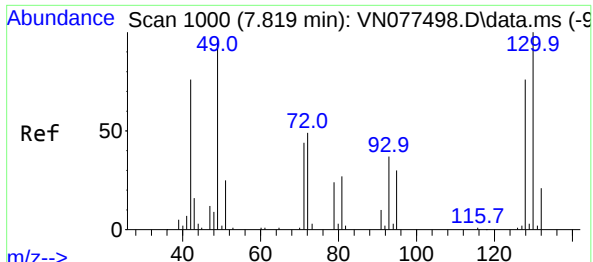
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 28 16:20:59 2023
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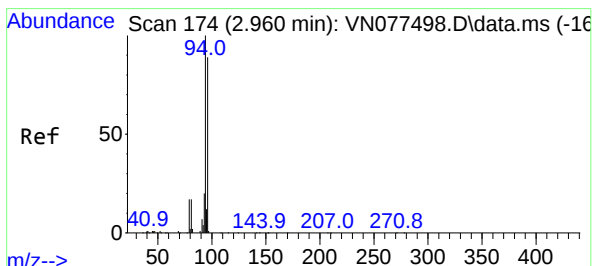
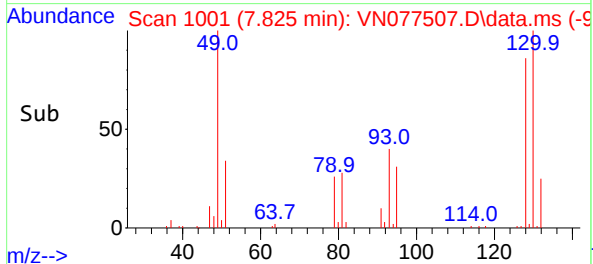
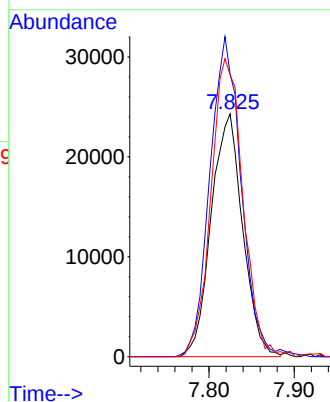
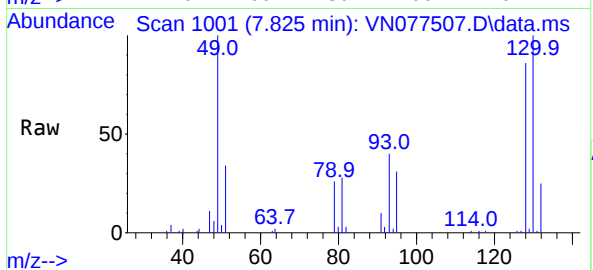




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

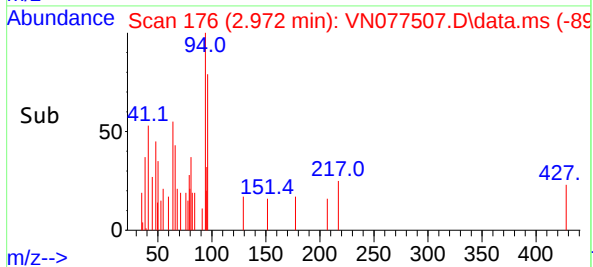
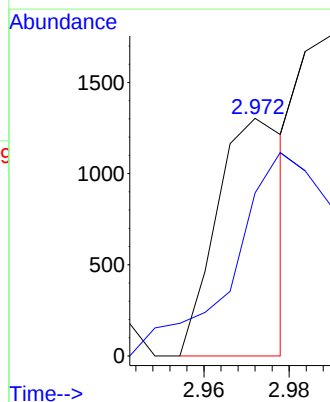
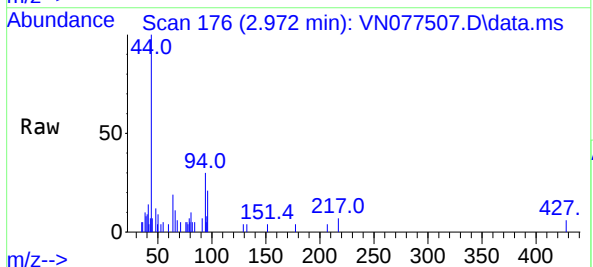
Instrument :
MSVOA_N
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TWP-02

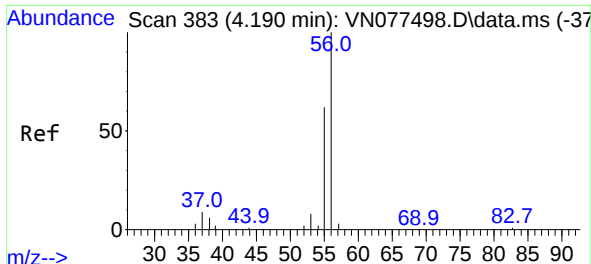
Tgt Ion:128 Resp: 62240
Ion Ratio Lower Upper
128 100
49 130.7 0.0 338.5
130 124.2 0.0 326.3



#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.012 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Tgt Ion: 94 Resp: 1463
Ion Ratio Lower Upper
94 100
96 46.8 72.6 108.8#

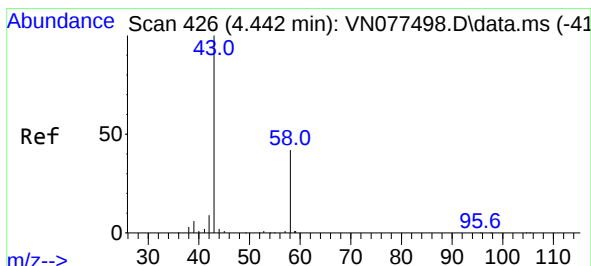
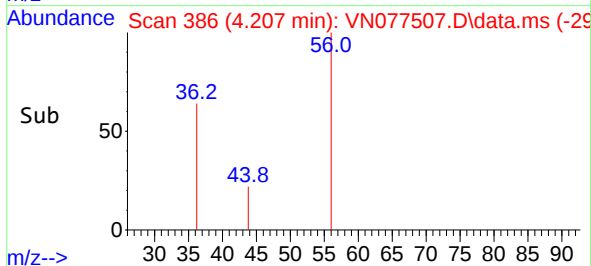
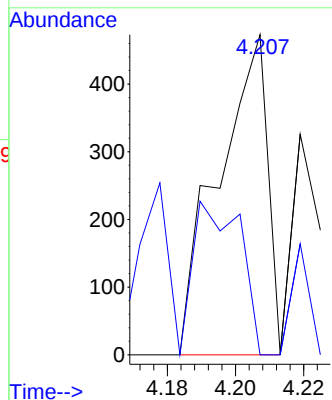
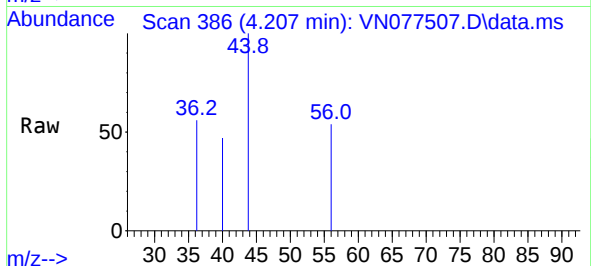




#13
Acrolein
Concen: 0.430 ug/l
RT: 4.207 min Scan# 386
Delta R.T. 0.018 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

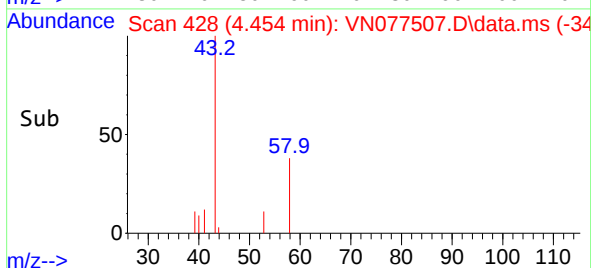
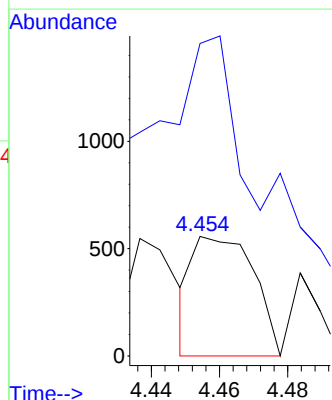
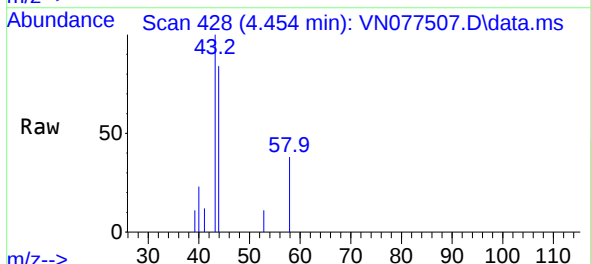
Instrument :
MSVOA_N
ClientSampleId :
TWP-02

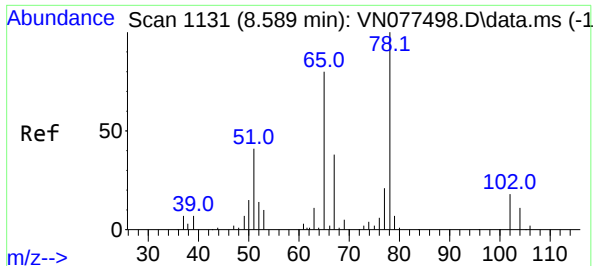
Tgt Ion: 56 Resp: 473
Ion Ratio Lower Upper
56 100
55 46.1 55.8 83.6#



#15
Acetone
Concen: 0.764 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.012 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Tgt Ion: 58 Resp: 687
Ion Ratio Lower Upper
58 100
43 108.6 197.2 295.8#

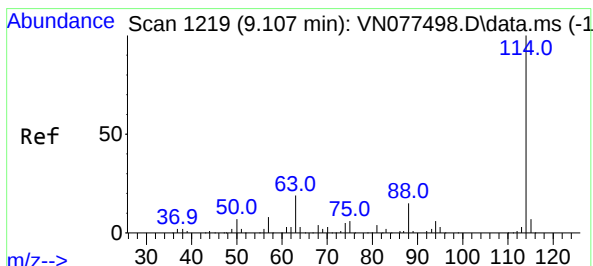
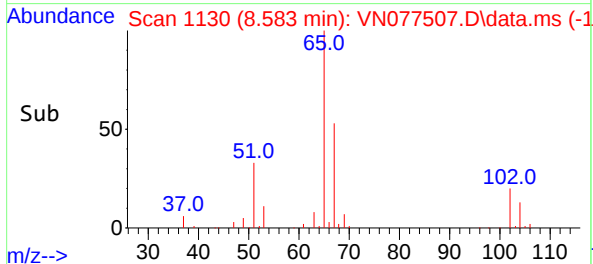
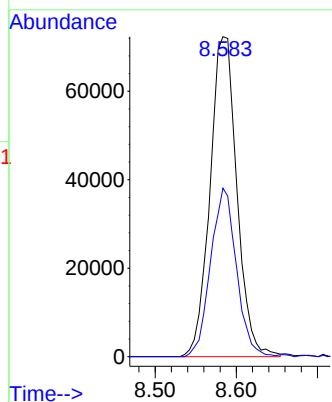
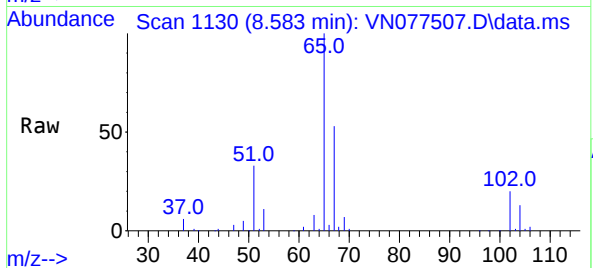




#27
1,2-Dichloroethane-d4
Concen: 30.065 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

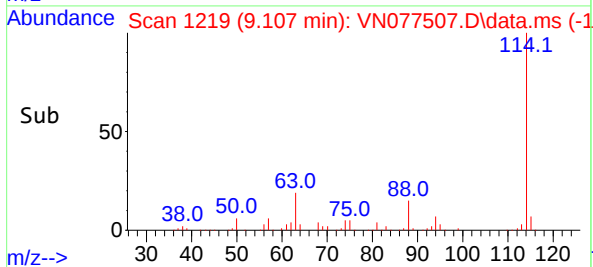
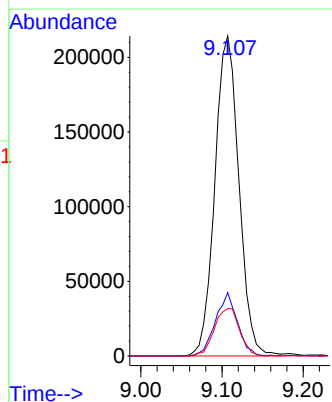
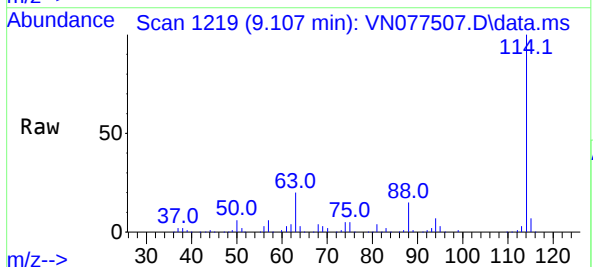
Instrument :
MSVOA_N
ClientSampleId :
TWP-02

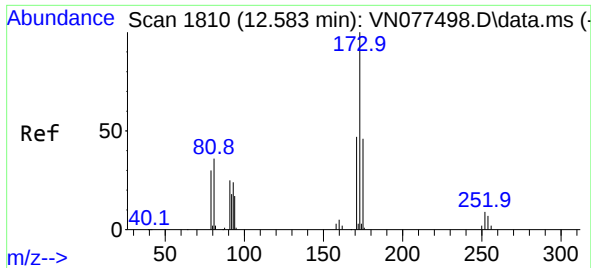
Tgt Ion: 65 Resp: 166826
Ion Ratio Lower Upper
65 100
67 50.4 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Tgt Ion: 114 Resp: 441231
Ion Ratio Lower Upper
114 100
63 18.0 14.1 21.1
88 15.6 12.3 18.5

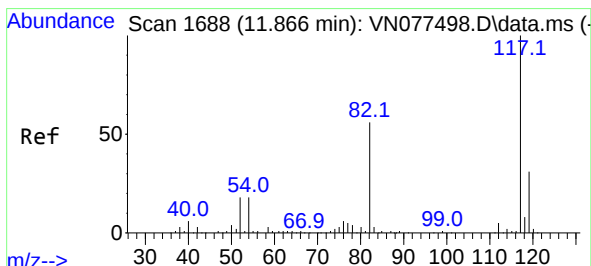
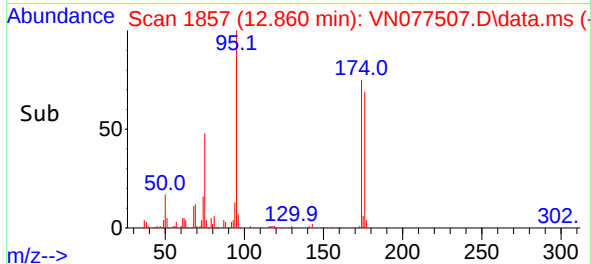
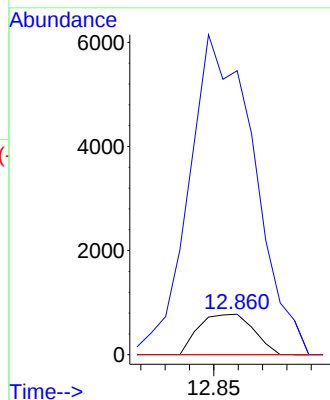
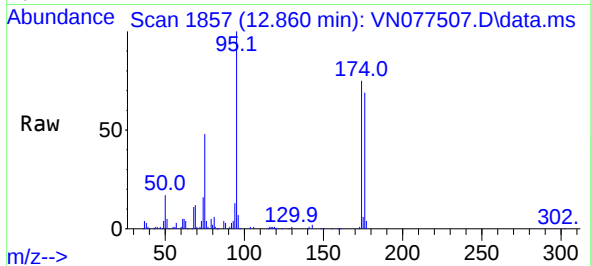




#56
Bromoform
Concen: 0.256 ug/l
RT: 12.860 min Scan# 1810
Delta R.T. 0.276 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

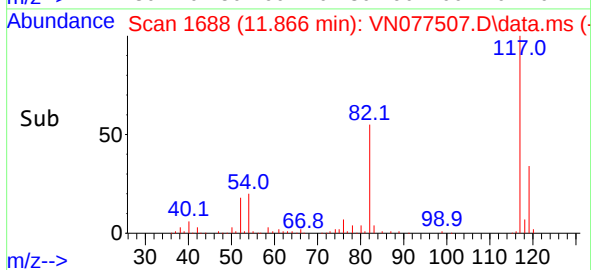
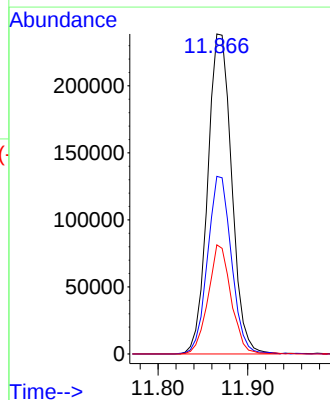
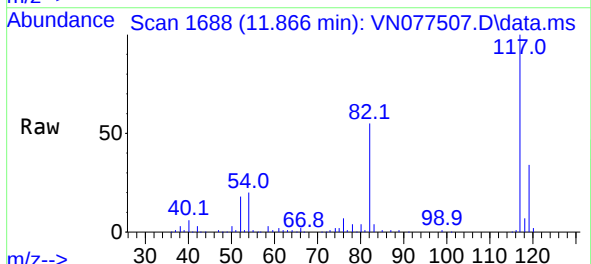
Instrument :
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ClientSampleId :
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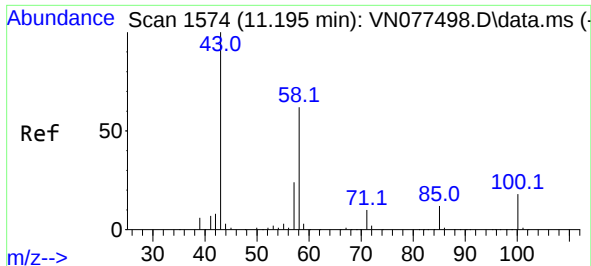
Tgt Ion:173 Resp: 1217
Ion Ratio Lower Upper
173 100
175 938.9 40.3 60.5#
254 0.0 5.0 7.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Tgt Ion:117 Resp: 442976
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.6 25.4 38.2

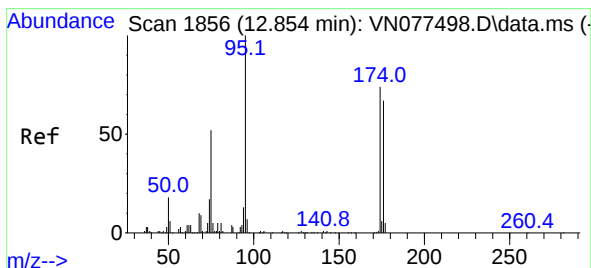
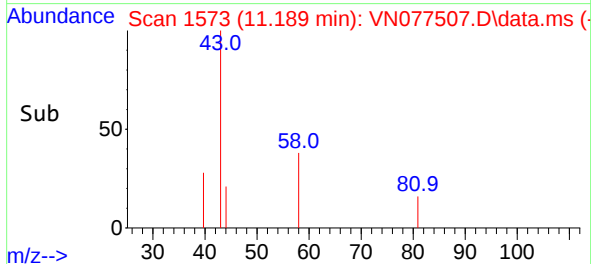
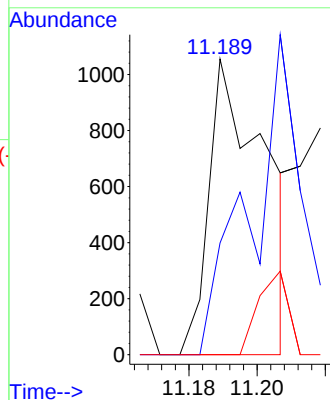
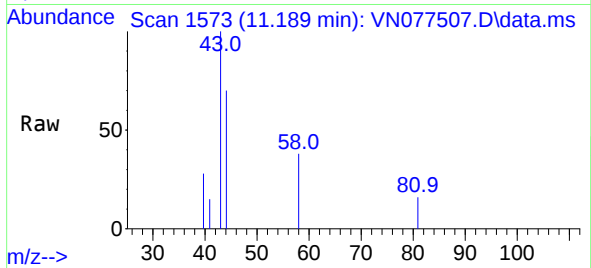




#59
2-Hexanone
Concen: 0.257 ug/l
RT: 11.189 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

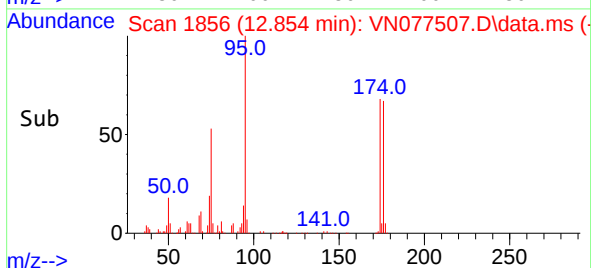
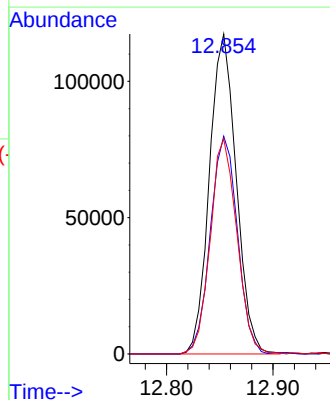
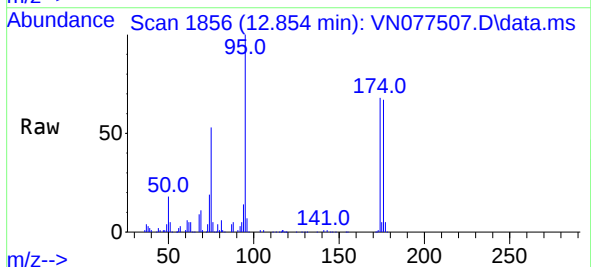
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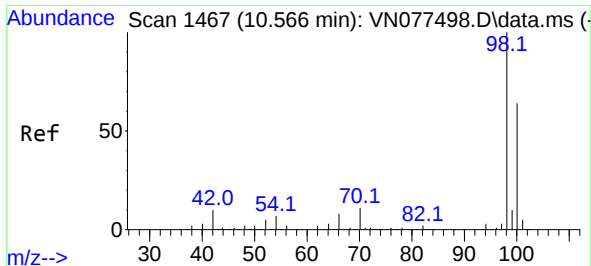
Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 38.0 51.8 77.8#
57 0.0 18.2 27.4#



#60
4-Bromofluorobenzene
Concen: 26.448 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Tgt Ion: 95 Resp: 205256
Ion Ratio Lower Upper
95 100
174 68.7 55.9 83.9
176 66.8 53.9 80.9

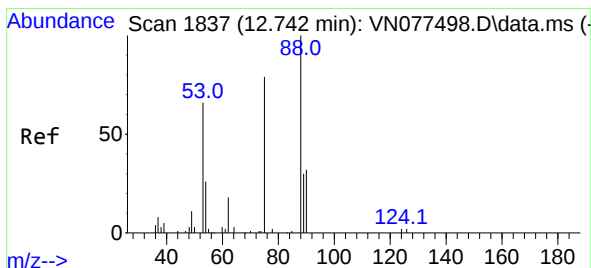
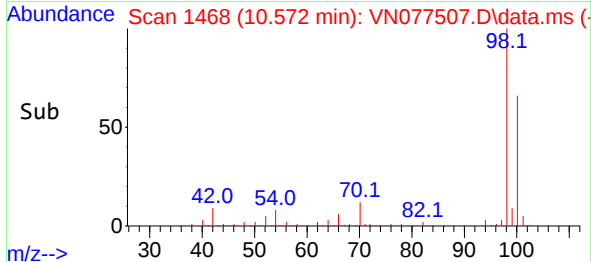
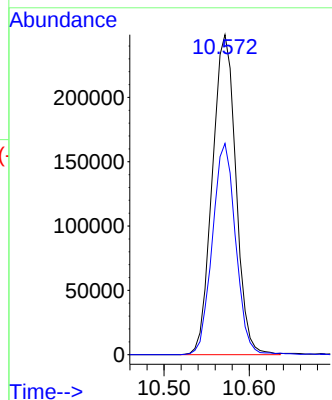
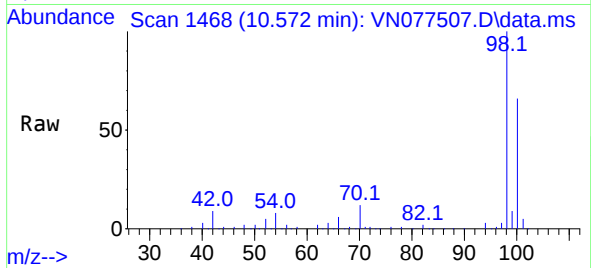




#63
Toluene-d8
Concen: 30.598 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

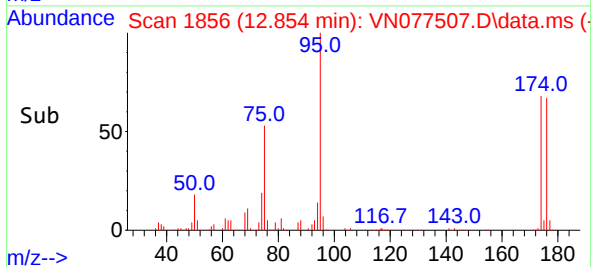
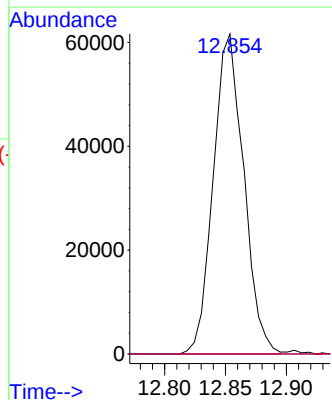
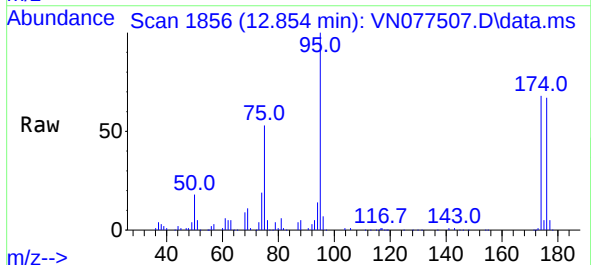
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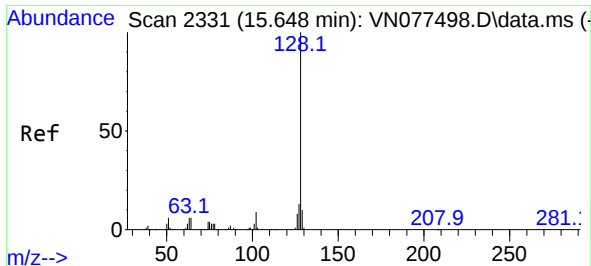
Tgt Ion: 98 Resp: 477615
Ion Ratio Lower Upper
98 100
100 64.9 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 39.267 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Tgt Ion: 75 Resp: 107334
Ion Ratio Lower Upper
75 100
53 0.0 38.2 114.6#
89 0.0 22.1 66.1#

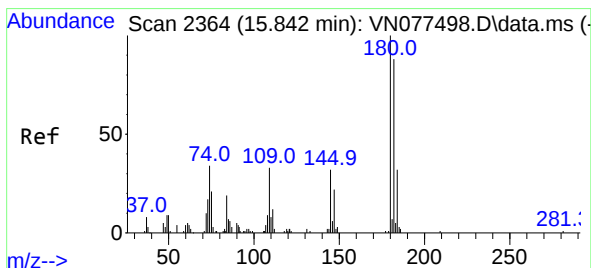
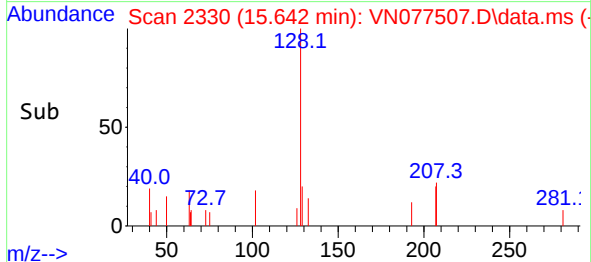
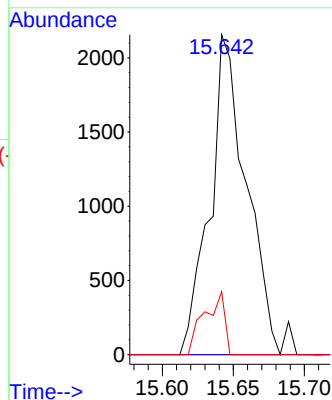
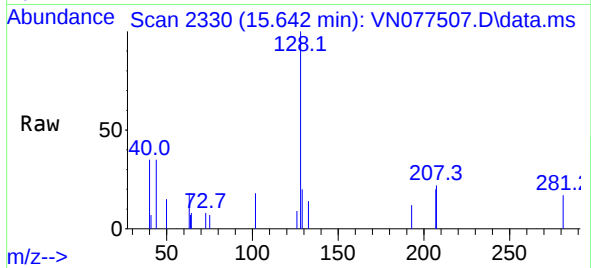




#91
Naphthalene
Concen: 0.327 ug/l
RT: 15.642 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Instrument :
MSVOA_N
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Tgt Ion:128	Resp:	3827
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.4 15.6#
129	3.9	8.7 13.1#



#92
1,2,3-Trichlorobenzene
Concen: 0.202 ug/l
RT: 15.830 min Scan# 2362
Delta R.T. -0.012 min
Lab File: VN077507.D
Acq: 28 Apr 2023 18:18

Tgt Ion:180	Resp:	606
Ion Ratio	Lower	Upper
180	100	
182	48.2	0.0 198.0
145	22.3	0.0 80.2

