

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077424.D
 Acq On : 21 Apr 2023 13:32
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 22 02:40:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

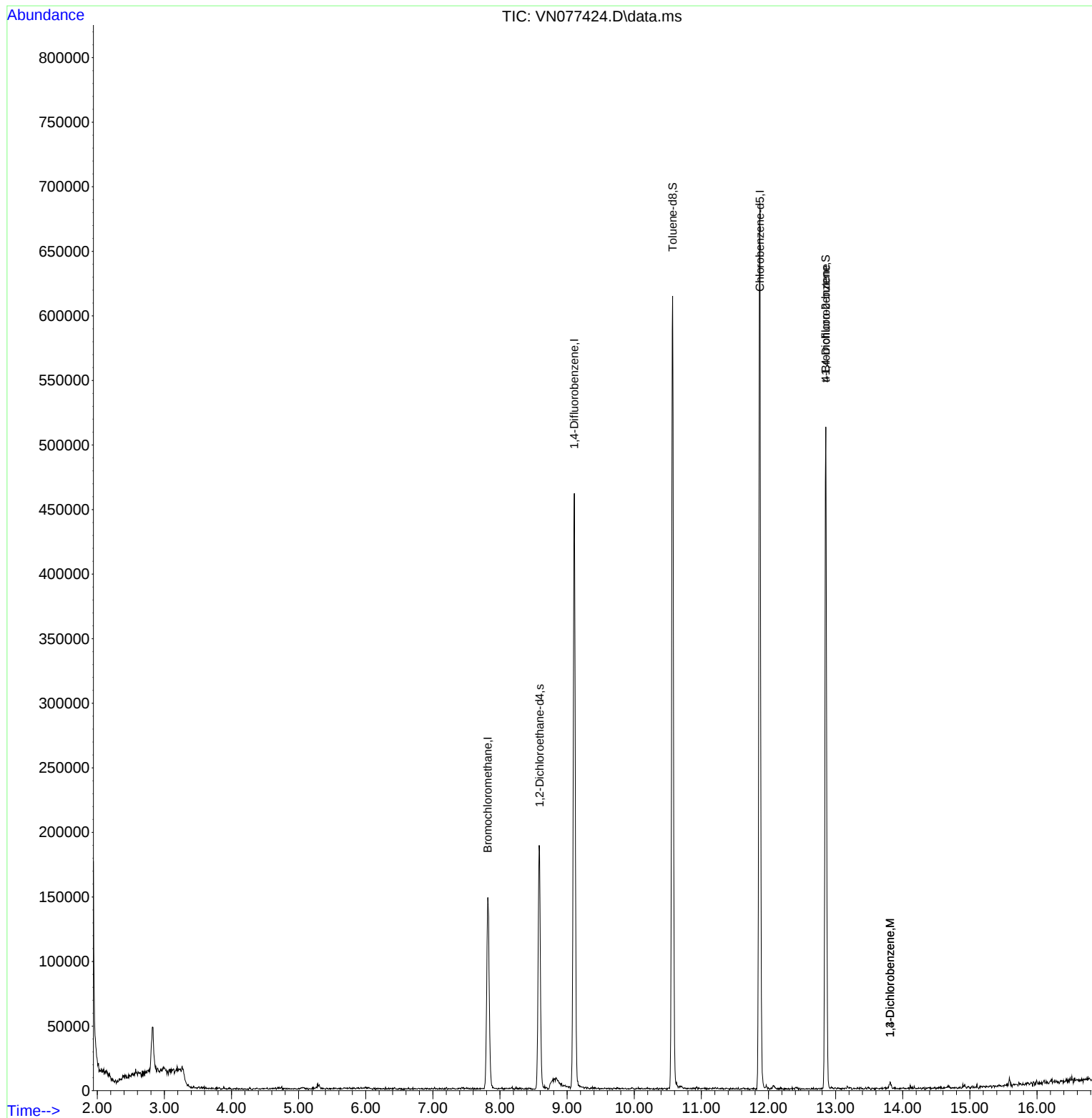
Internal Standards						
1) Bromochloromethane	7.819	128	57501	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	420682	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	410375	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	152452	31.261	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.200%
60) 4-Bromofluorobenzene	12.854	95	184388	25.985	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.600%
63) Toluene-d8	10.572	98	444613	30.819	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.733%
Target Compounds						
					Qvalue	
77) t-1,4-Dichloro-2-butene	12.854	75	99440	29.708	ug/l #	18
83) 1,3-Dichlorobenzene	13.813	146	2782	0.229	ug/l	72
84) 1,4-Dichlorobenzene	13.813	146	2782	0.236	ug/l	73

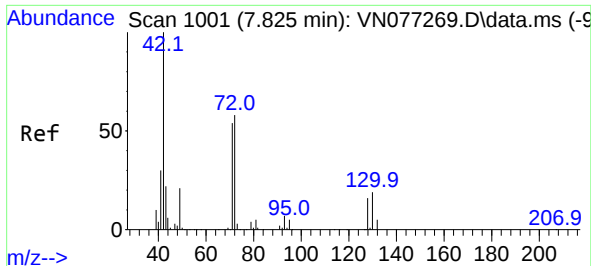
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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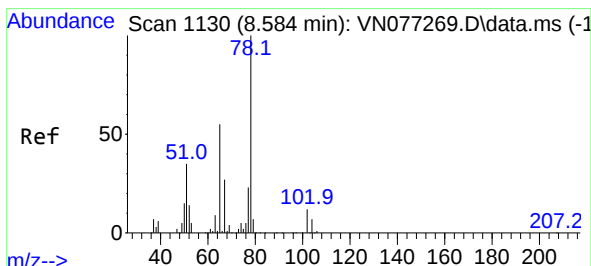
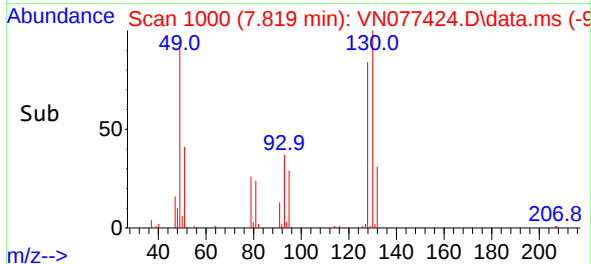
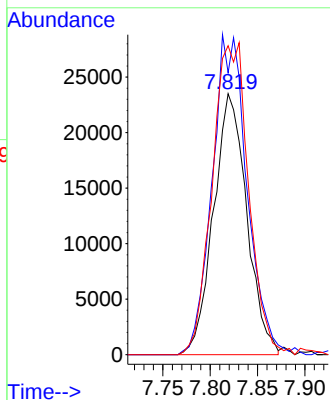
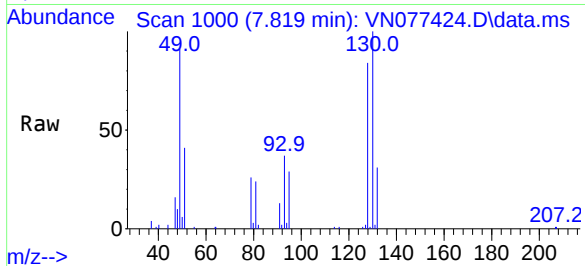




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

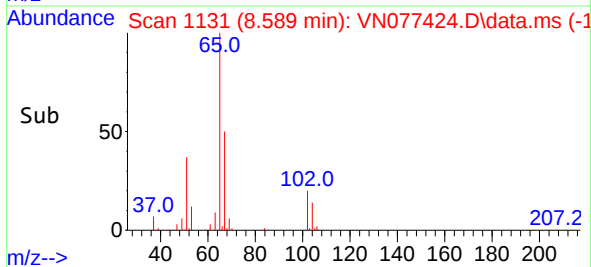
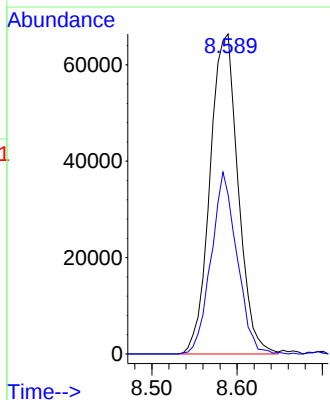
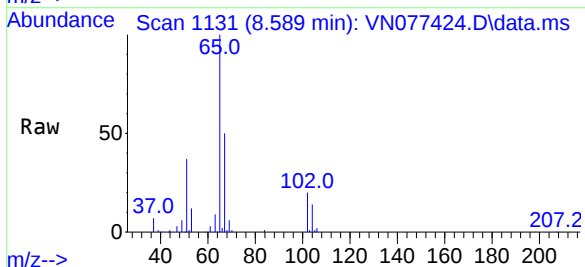
Instrument :
MSVOA_N
ClientSampleId :
IBLK

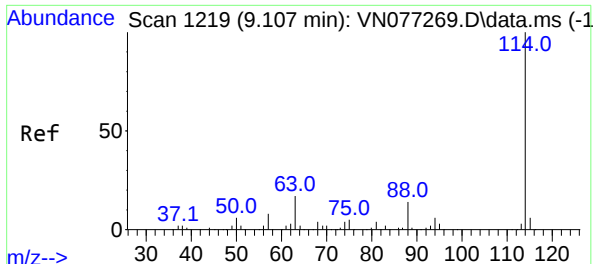
Tgt Ion:128 Resp: 57501
Ion Ratio Lower Upper
128 100
49 65.9 0.0 379.5
130 82.4 0.0 322.8



#27
1,2-Dichloroethane-d4
Concen: 31.261 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.005 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

Tgt Ion: 65 Resp: 152452
Ion Ratio Lower Upper
65 100
67 51.8 41.8 62.6

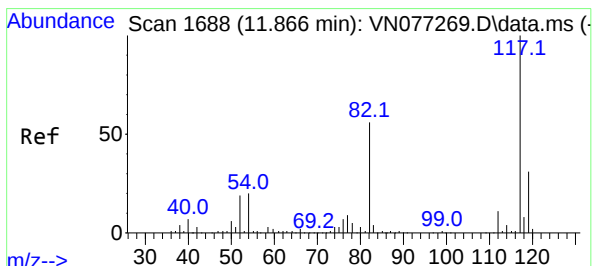
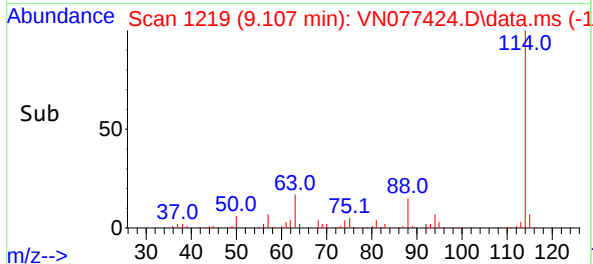
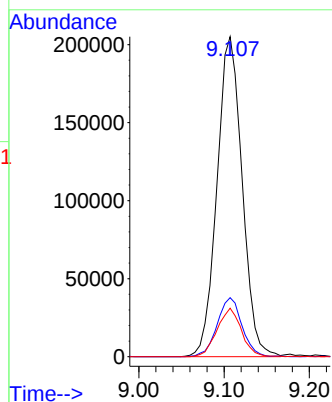
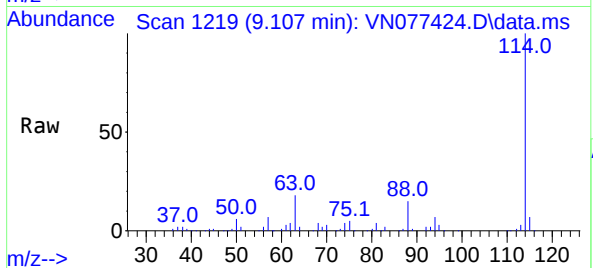




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

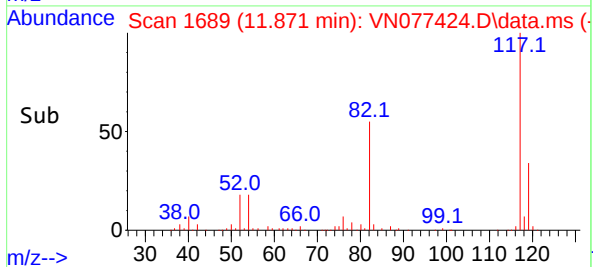
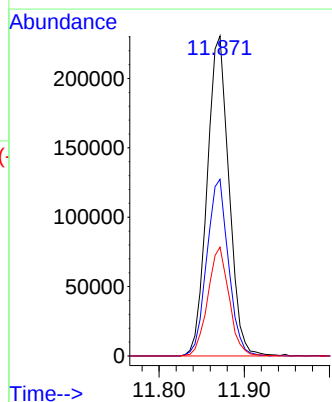
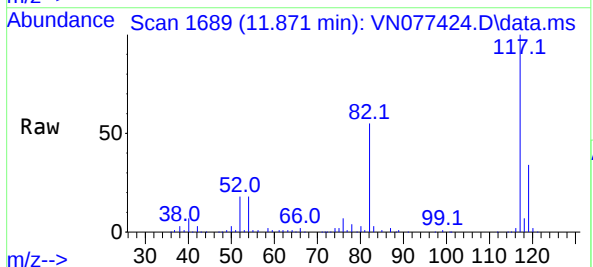
Instrument :
MSVOA_N
ClientSampleId :
IBLK

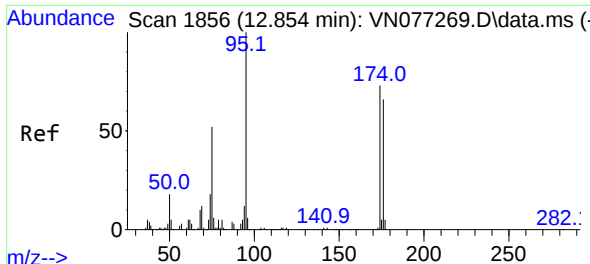
Tgt Ion:114 Resp: 420682
Ion Ratio Lower Upper
114 100
63 18.2 15.0 22.4
88 14.7 11.9 17.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

Tgt Ion:117 Resp: 410375
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 33.3 25.4 38.0

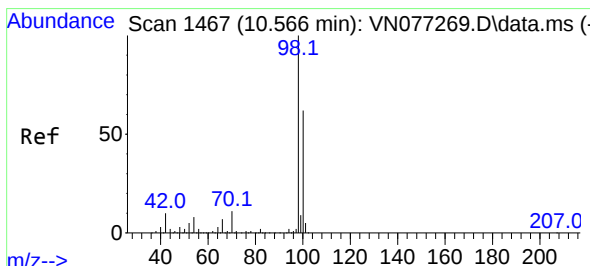
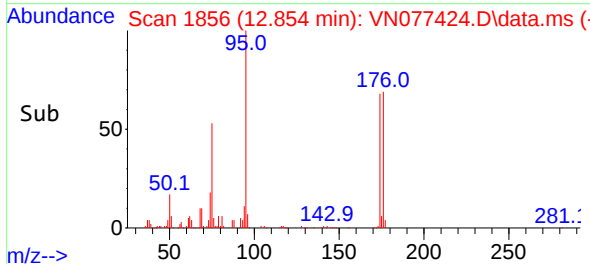
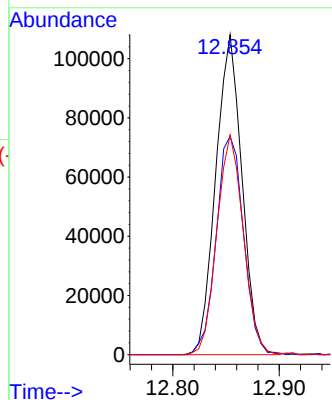
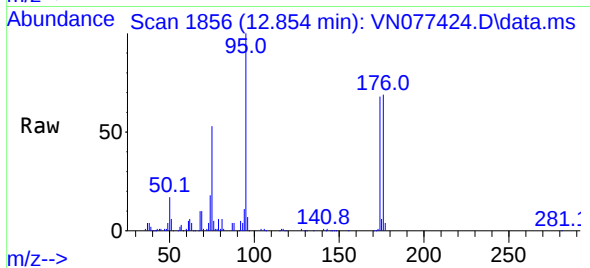




#60
4-Bromofluorobenzene
Concen: 25.985 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

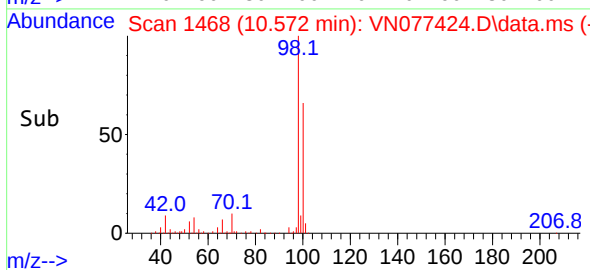
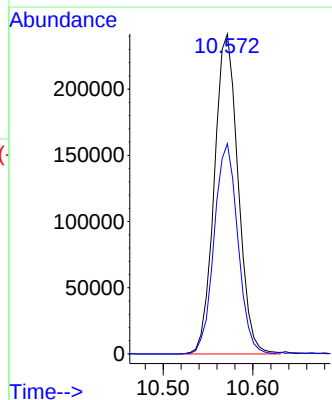
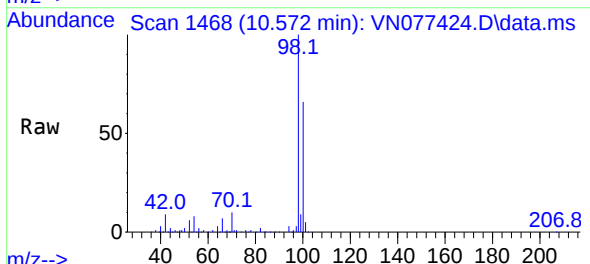
Instrument :
MSVOA_N
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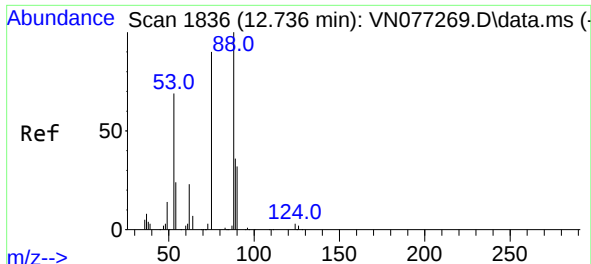
Tgt Ion: 95 Resp: 184388
Ion Ratio Lower Upper
95 100
174 71.2 57.8 86.8
176 69.3 54.6 81.8



#63
Toluene-d8
Concen: 30.819 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

Tgt Ion: 98 Resp: 444613
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2

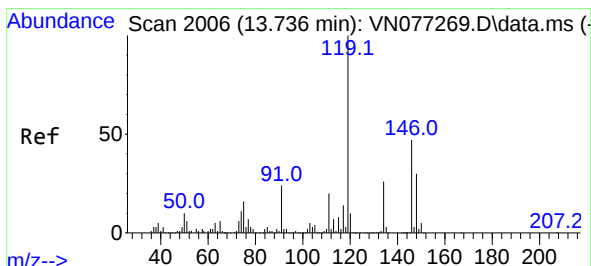
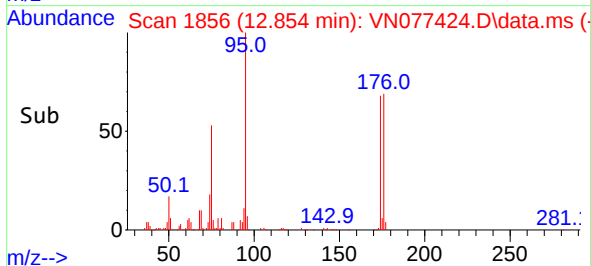
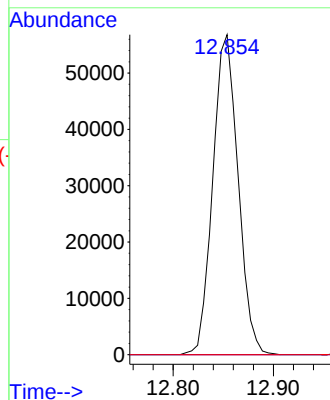
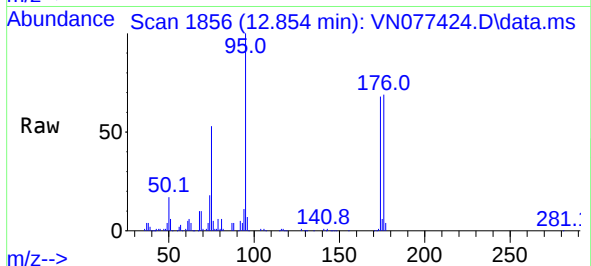




#77
t-1,4-Dichloro-2-butene
Concen: 29.708 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

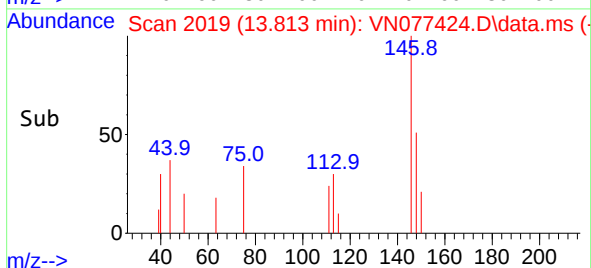
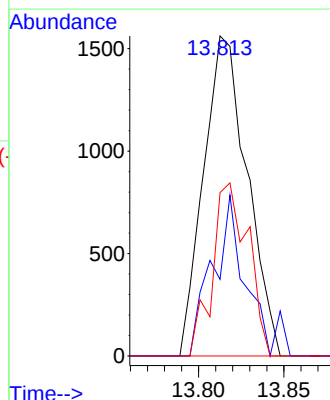
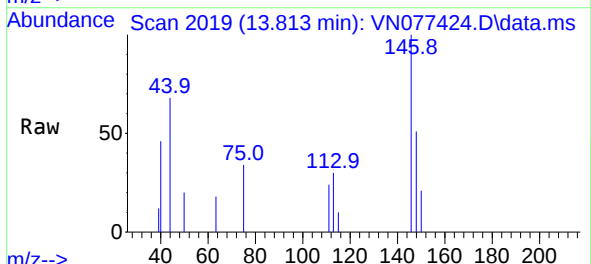
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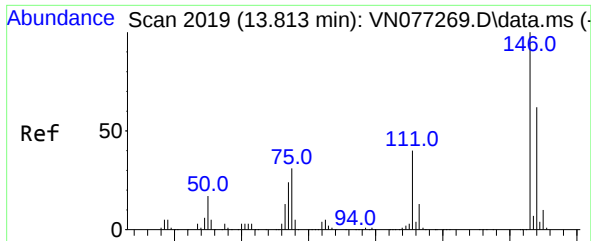
Tgt Ion: 75 Resp: 99440
Ion Ratio Lower Upper
75 100
53 0.0 38.8 116.4#
89 0.0 23.2 69.6#



#83
1,3-Dichlorobenzene
Concen: 0.229 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. 0.077 min
Lab File: VN077424.D
Acq: 21 Apr 2023 13:32

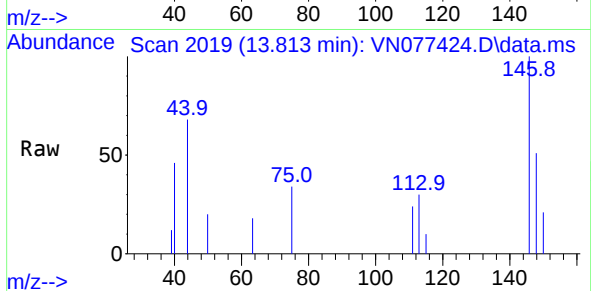
Tgt Ion: 146 Resp: 2782
Ion Ratio Lower Upper
146 100
111 21.9 21.4 64.2
148 44.1 31.9 95.5





#84
 1,4-Dichlorobenzene
 Concen: 0.236 ug/l
 RT: 13.813 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077424.D
 Acq: 21 Apr 2023 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:146	Resp:	2782
Ion	Ratio	Lower Upper
146	100	
111	21.9	20.3 61.0
148	44.1	31.6 94.7

