

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077426.D
 Acq On : 21 Apr 2023 15:38
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 22 02:40:34 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)

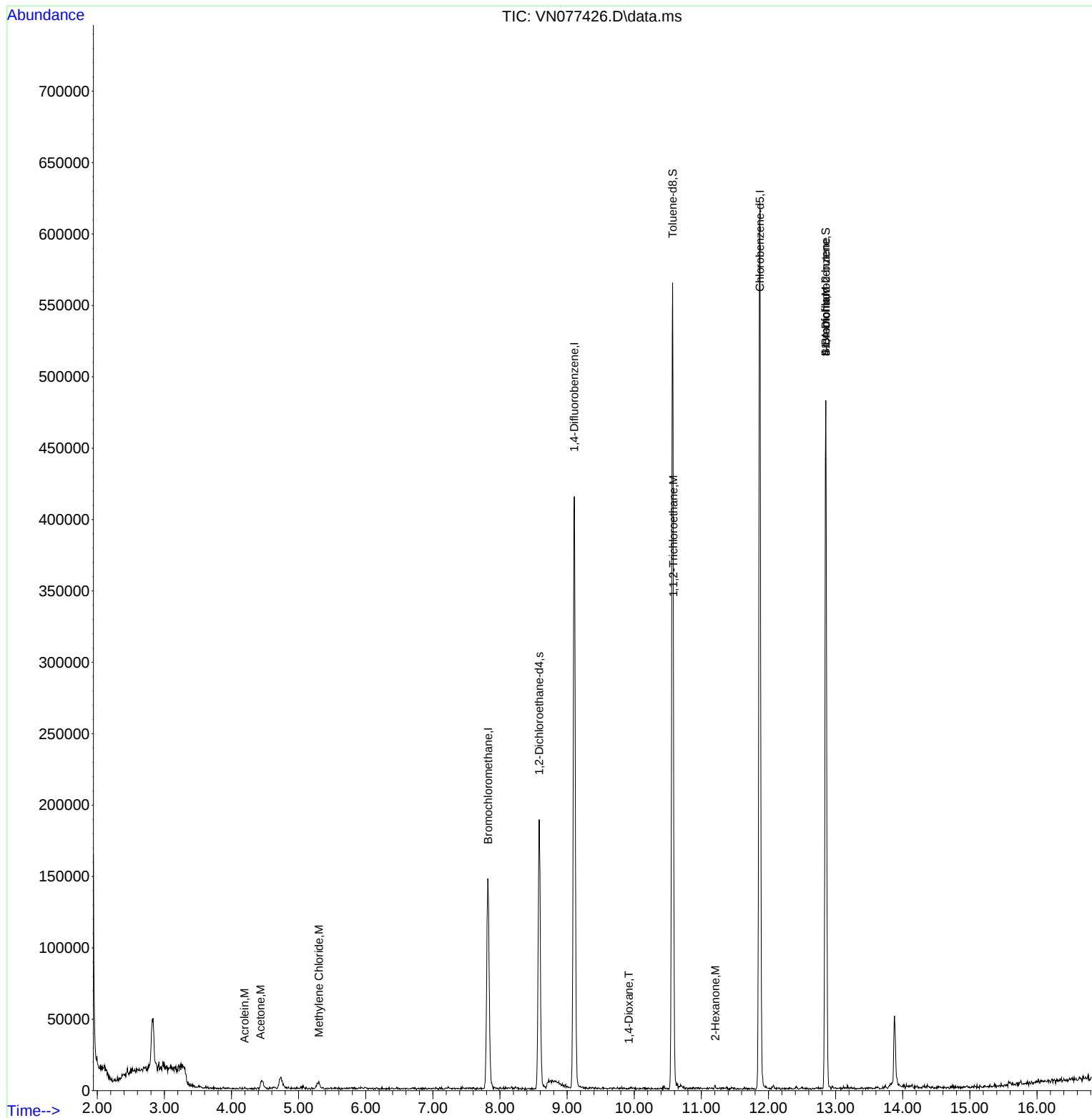
Internal Standards						
1) Bromochloromethane	7.825	128	56896	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	381666	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	388727	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	149824	31.049	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.500%
60) 4-Bromofluorobenzene	12.854	95	173431	25.802	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.000%
63) Toluene-d8	10.572	98	408299	29.878	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.600%
Target Compounds						
					Qvalue	
13) Acrolein	4.196	56	306	0.276	ug/l	96
15) Acetone	4.431	58	1107	0.999	ug/l #	30
18) Methylene Chloride	5.301	84	1766	0.254	ug/l #	50
45) 1,4-Dioxane	9.919	88	132	0.966	ug/l #	1
50) 1,1,2-Trichloroethane	10.583	97	12247	1.843	ug/l #	1
56) Bromoform	12.854	173	1241	0.264	ug/l #	1
59) 2-Hexanone	11.207	43	1134	0.202	ug/l #	59
77) t-1,4-Dichloro-2-butene	12.854	75	93058	29.350	ug/l #	18

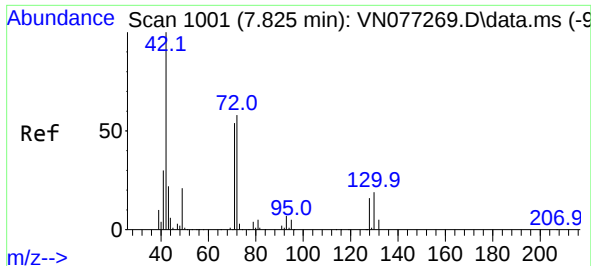
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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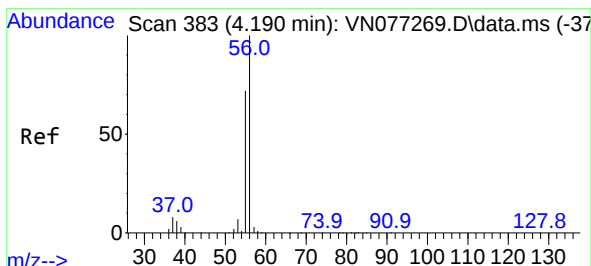
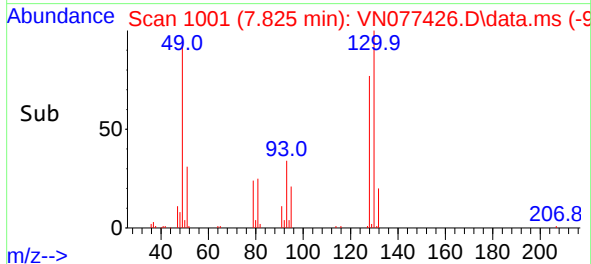
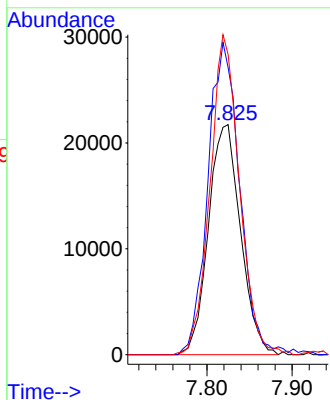
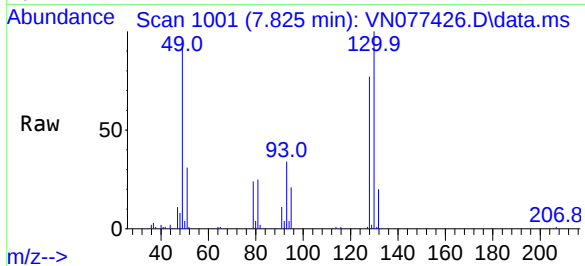




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

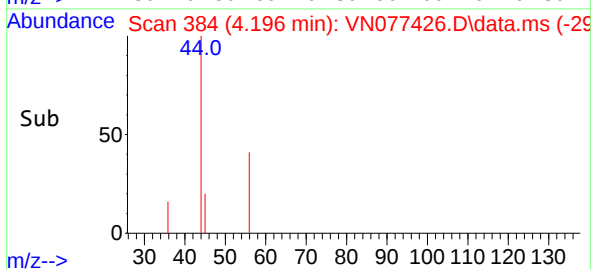
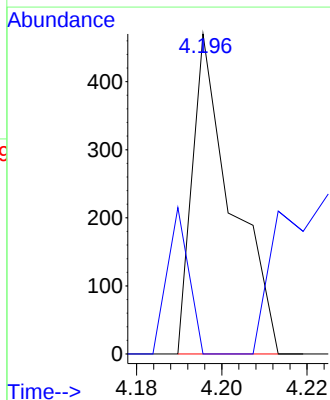
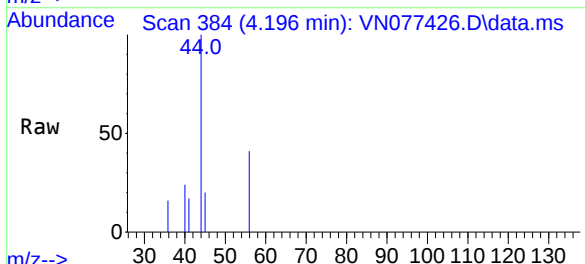
Instrument :
MSVOA_N
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IBLK

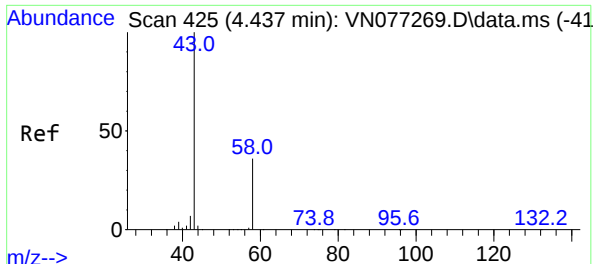
Tgt Ion:128 Resp: 56896
Ion Ratio Lower Upper
128 100
49 133.3 0.0 379.5
130 127.1 0.0 322.8



#13
Acrolein
Concen: 0.276 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.006 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 72.2 55.2 82.8

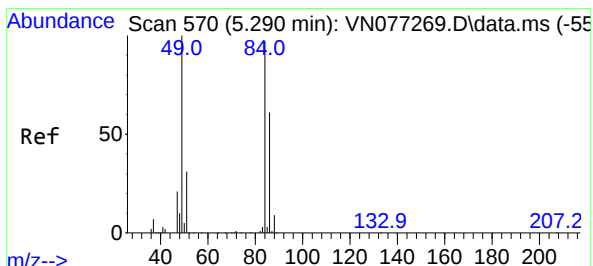
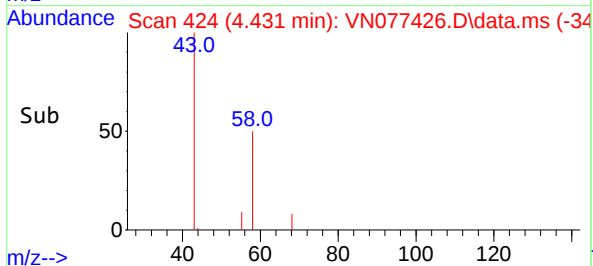
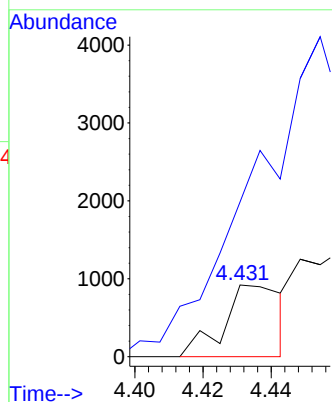
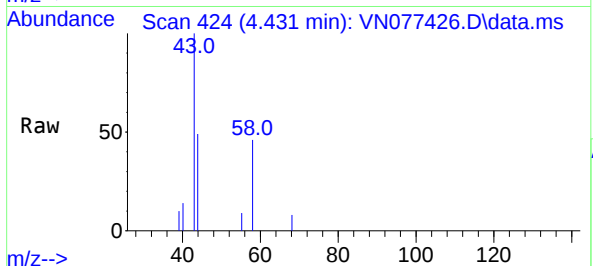




#15
Acetone
Concen: 0.999 ug/l
RT: 4.431 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

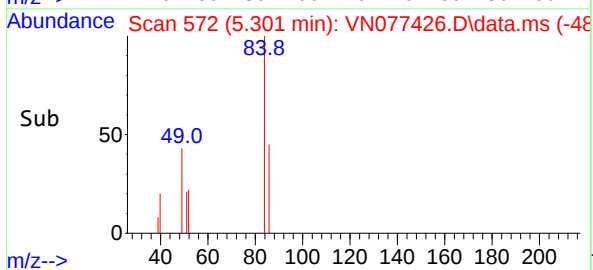
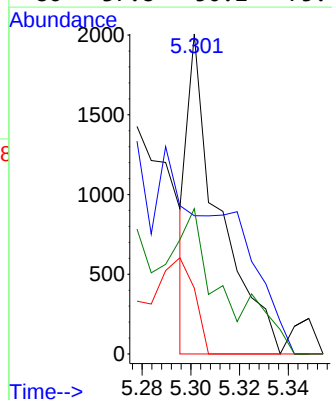
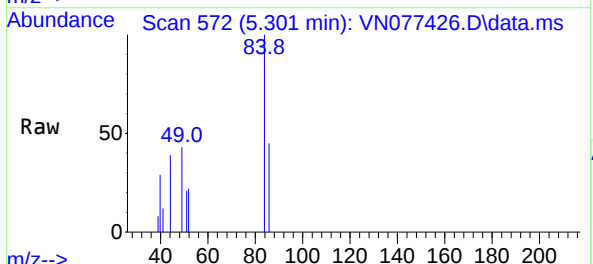
Instrument :
MSVOA_N
ClientSampleId :
IBLK

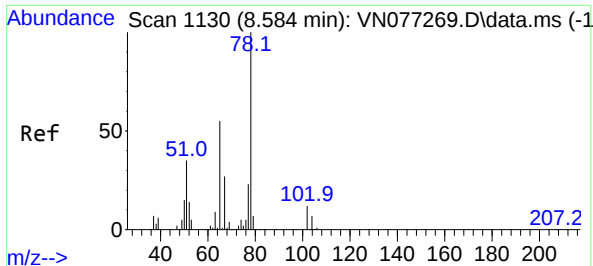
Tgt Ion: 58 Resp: 1107
Ion Ratio Lower Upper
58 100
43 145.5 220.9 331.3#



#18
Methylene Chloride
Concen: 0.254 ug/l
RT: 5.301 min Scan# 572
Delta R.T. 0.011 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Tgt Ion: 84 Resp: 1766
Ion Ratio Lower Upper
84 100
49 33.0 82.7 124.1#
51 20.6 25.6 38.4#
86 37.8 50.2 75.4#

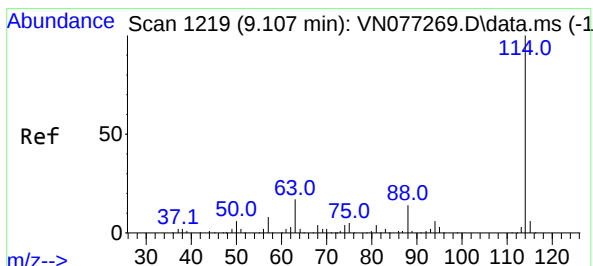
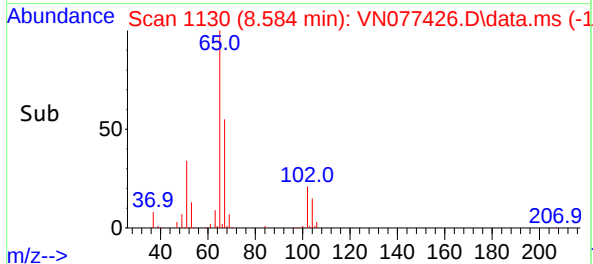
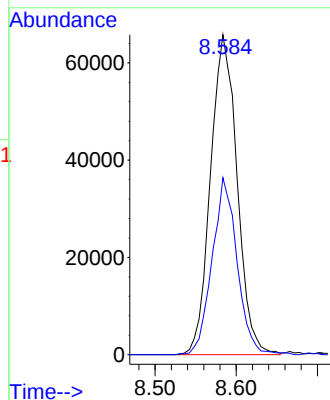
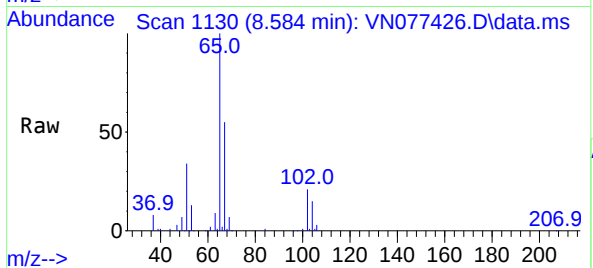




#27
1,2-Dichloroethane-d4
Concen: 31.049 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

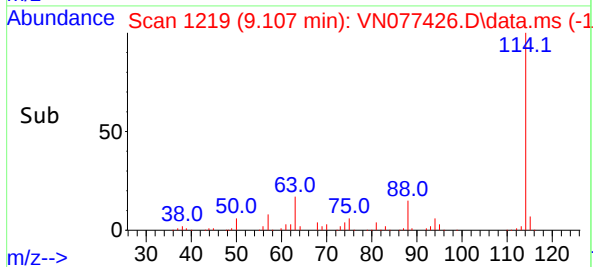
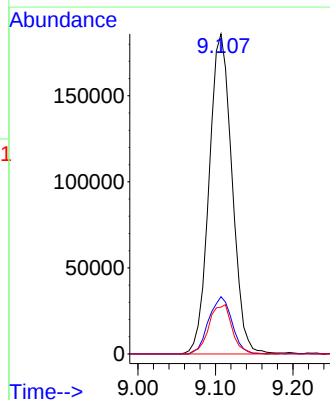
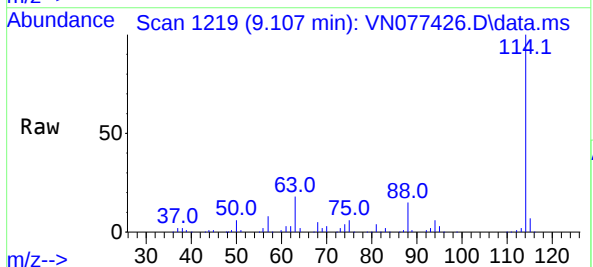
Instrument :
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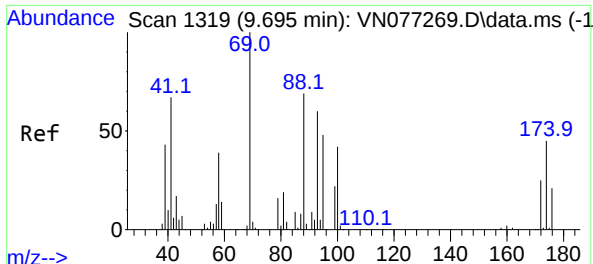
Tgt Ion: 65 Resp: 149824
Ion Ratio Lower Upper
65 100
67 50.8 41.8 62.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Tgt Ion: 114 Resp: 381666
Ion Ratio Lower Upper
114 100
63 18.2 15.0 22.4
88 15.6 11.9 17.9

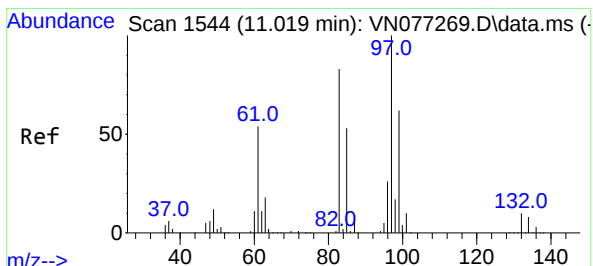
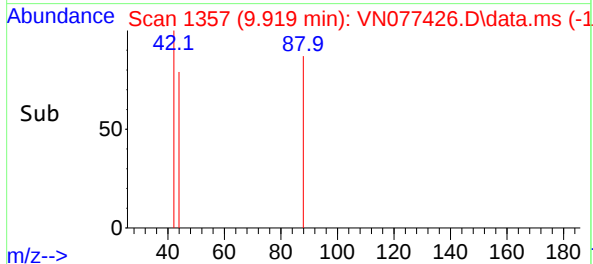
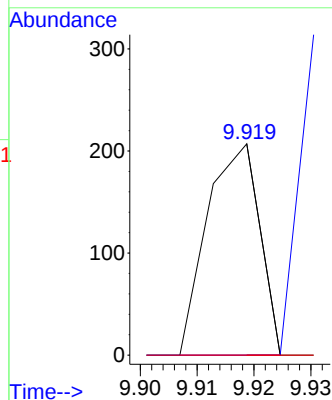
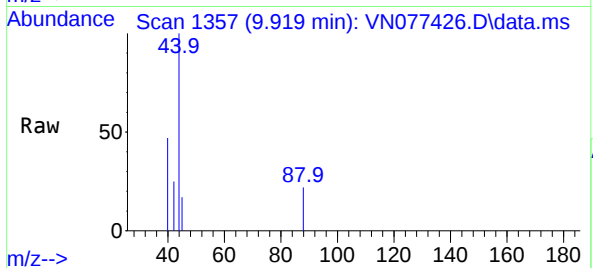




#45
1,4-Dioxane
Concen: 0.966 ug/l
RT: 9.919 min Scan# 11
Delta R.T. 0.224 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

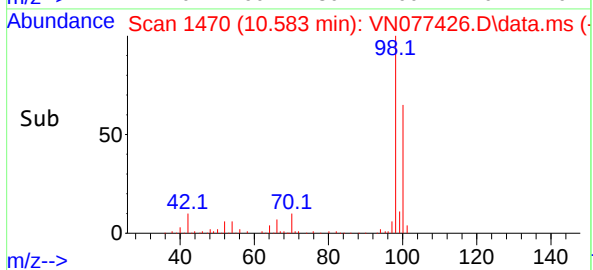
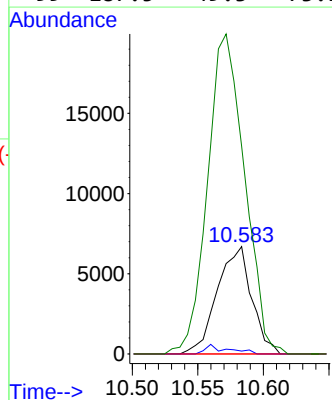
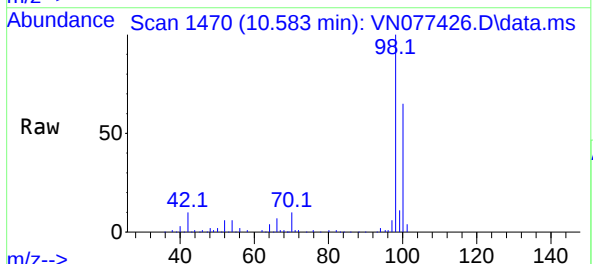
Instrument :
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ClientSampleId :
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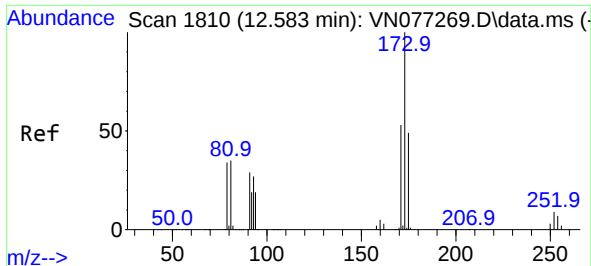
Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 125.0 17.4 26.0#
58 0.0 48.2 72.4#



#50
1,1,2-Trichloroethane
Concen: 1.843 ug/l
RT: 10.583 min Scan# 1470
Delta R.T. -0.436 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Tgt Ion: 97 Resp: 12247
Ion Ratio Lower Upper
97 100
83 2.7 66.7 100.1#
85 0.0 42.4 63.6#
99 187.5 49.3 73.9#

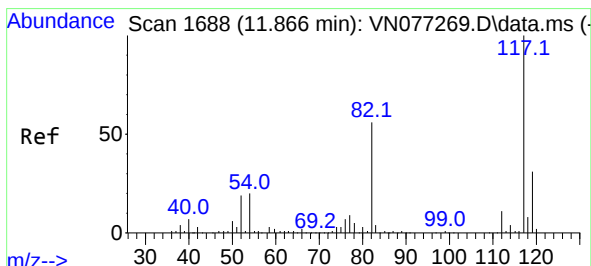
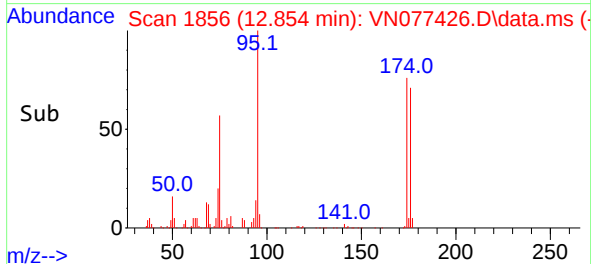
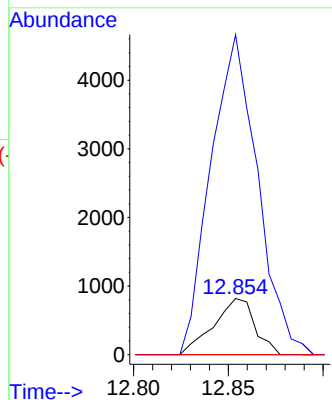
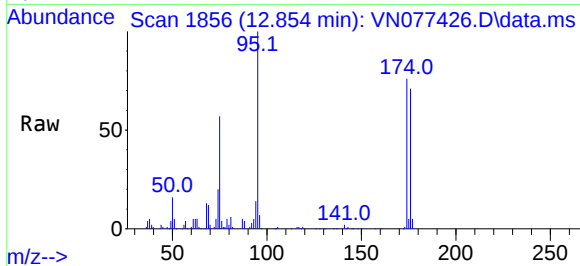




#56
Bromoform
Concen: 0.264 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

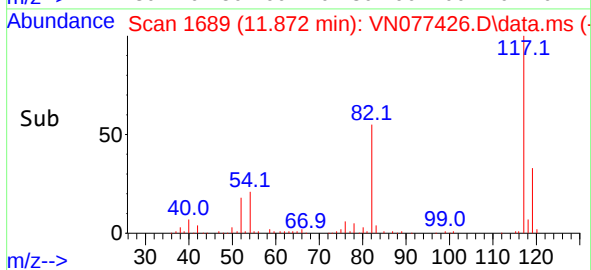
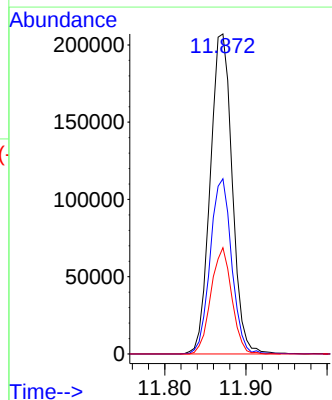
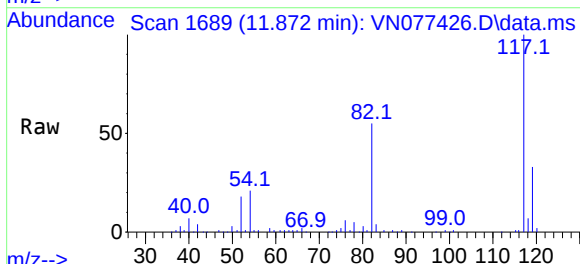
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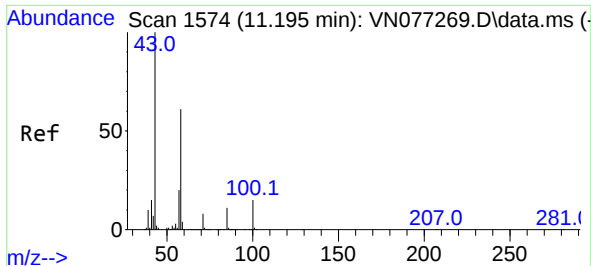
Tgt Ion:173 Resp: 1241
Ion Ratio Lower Upper
173 100
175 646.2 38.2 57.2#
254 0.0 6.0 9.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Tgt Ion:117 Resp: 388727
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.8
119 31.5 25.4 38.0

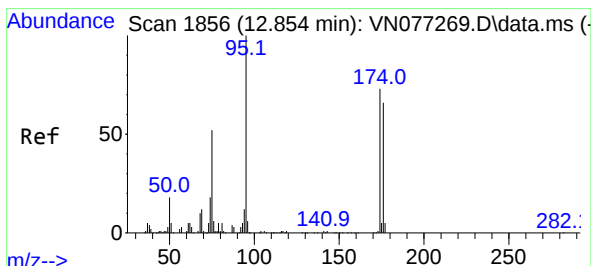
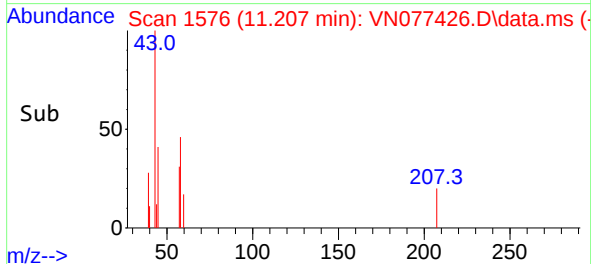
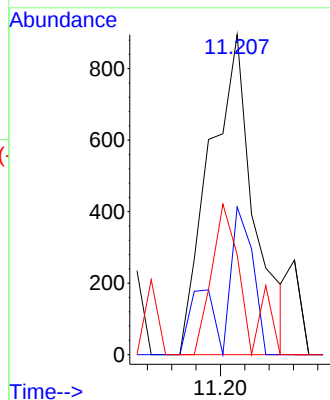
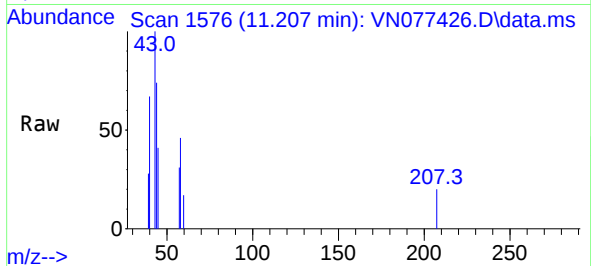




#59
2-Hexanone
Concen: 0.202 ug/l
RT: 11.207 min Scan# 1113
Delta R.T. 0.012 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

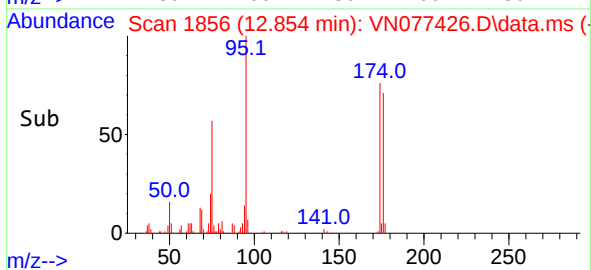
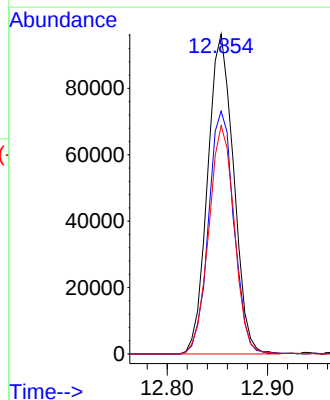
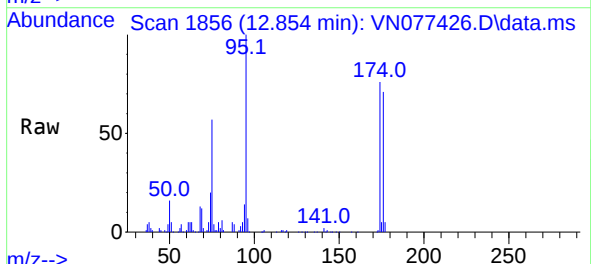
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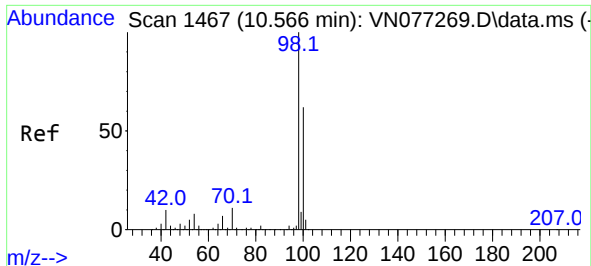
Tgt Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
58 22.0 48.6 73.0#
57 27.5 16.7 25.1#



#60
4-Bromofluorobenzene
Concen: 25.802 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Tgt Ion: 95 Resp: 173431
Ion Ratio Lower Upper
95 100
174 74.2 57.8 86.8
176 70.2 54.6 81.8

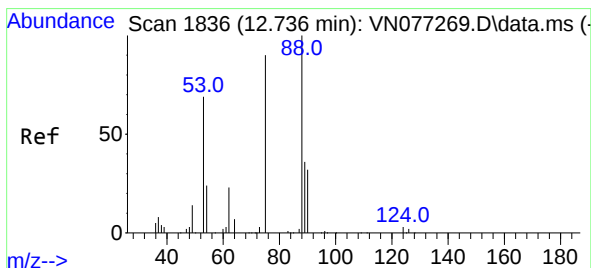
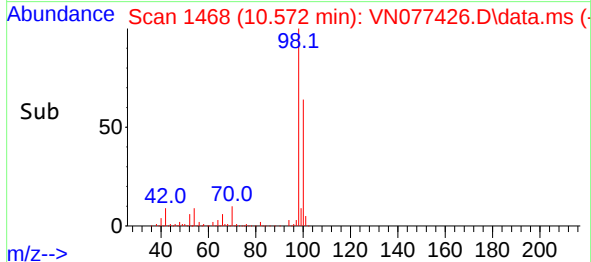
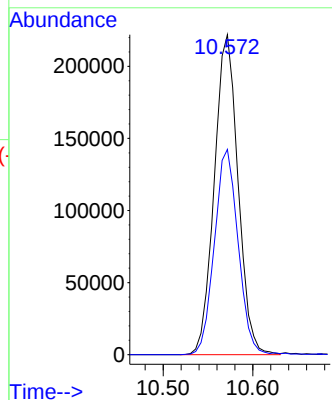
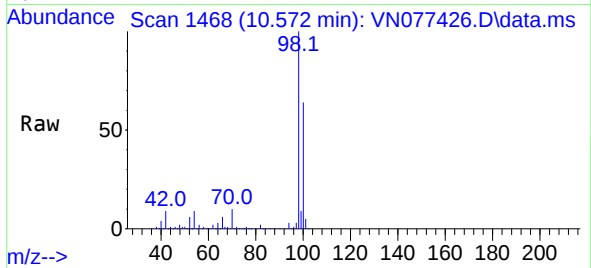




#63
Toluene-d8
Concen: 29.878 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Instrument :
MSVOA_N
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Tgt Ion: 98 Resp: 408299
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 29.350 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077426.D
Acq: 21 Apr 2023 15:38

Tgt Ion: 75 Resp: 93058
Ion Ratio Lower Upper
75 100
53 0.0 38.8 116.4#
89 0.0 23.2 69.6#

