

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077421.D
 Acq On : 21 Apr 2023 12:20
 Operator : JC\MD
 Sample : 02429-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230419054-04-TRIP-BLANK

Quant Time: Apr 22 02:39:48 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)

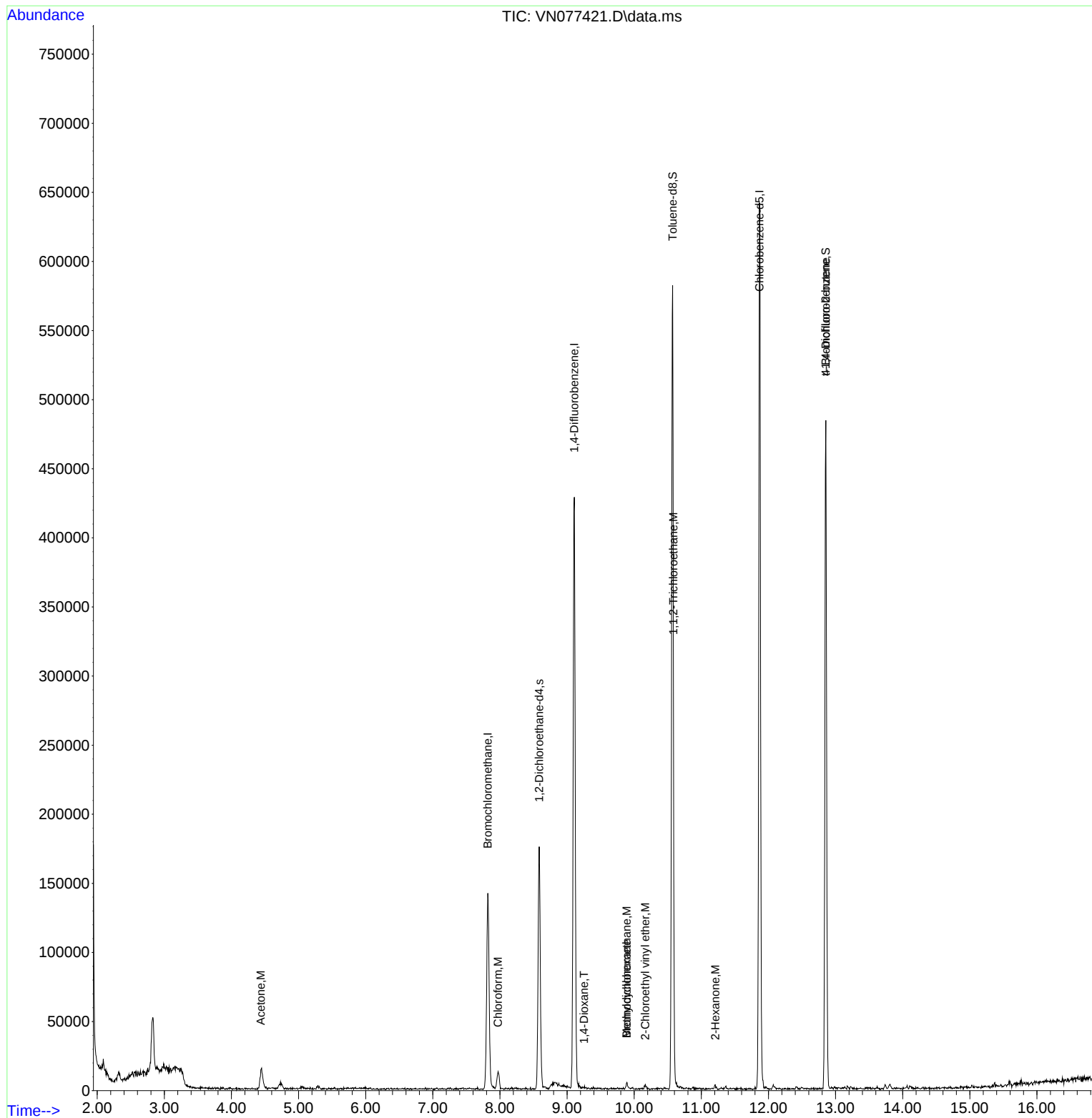
Internal Standards						
1) Bromochloromethane	7.819	128	52997	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	399627	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	391208	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	137391	30.567	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.900%
60) 4-Bromofluorobenzene	12.854	95	173849	25.700	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.667%
63) Toluene-d8	10.572	98	415903	30.241	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%
Target Compounds						
					Qvalue	
15) Acetone	4.437	58	4588	4.447	ug/l #	35
25) Chloroform	7.972	83	12404	1.054	ug/l	91
38) Methylcyclohexane	9.890	83	3498	0.298	ug/l #	22
41) Bromodichloromethane	9.890	83	3498	0.366	ug/l #	66
45) 1,4-Dioxane	9.254	88	124	0.867	ug/l #	1
50) 1,1,2-Trichloroethane	10.584	97	12929	1.858	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.166	63	764	0.232	ug/l #	63
59) 2-Hexanone	11.207	43	2147	0.379	ug/l #	68
77) t-1,4-Dichloro-2-butene	12.854	75	93056	29.163	ug/l #	18

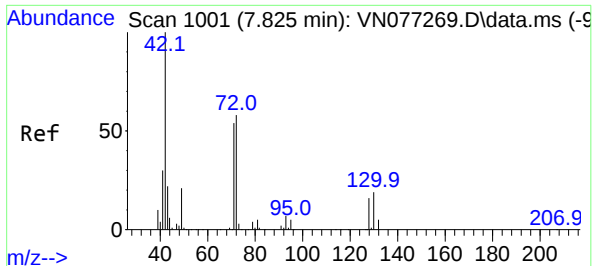
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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230419054-04-TRIP-BLANK

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 07 13:04:49 2023
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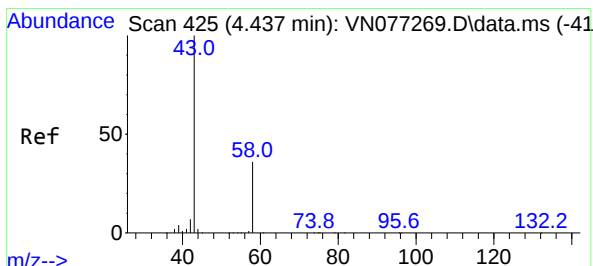
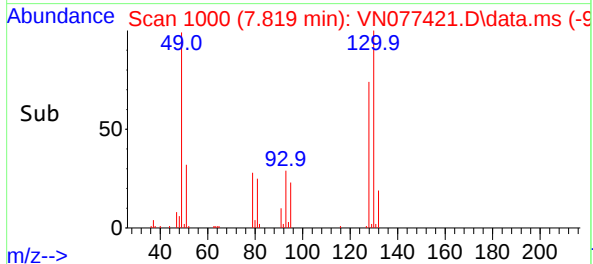
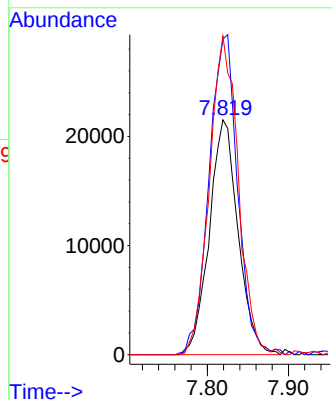
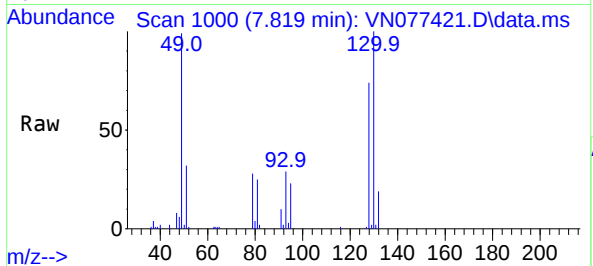




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

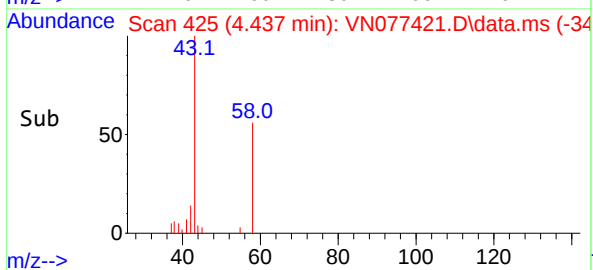
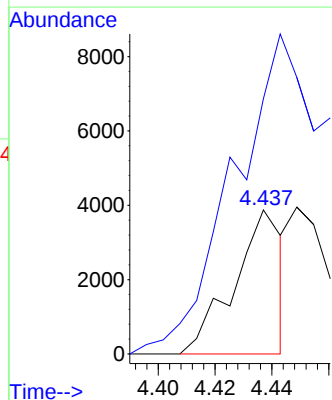
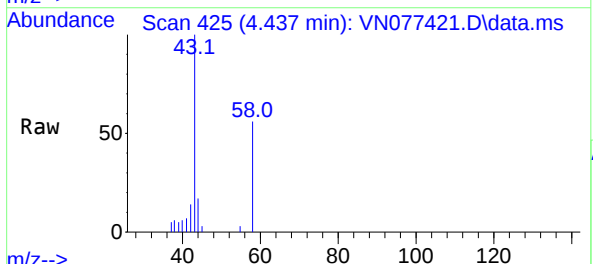
Instrument :
MSVOA_N
ClientSampleId :
230419054-04-TRIP-BLANK

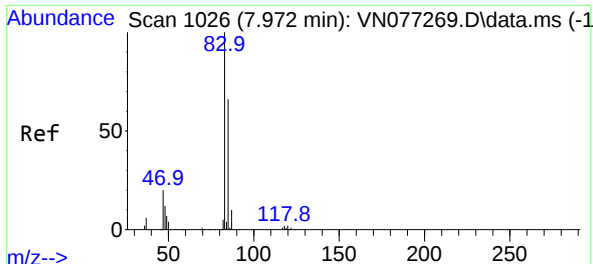
Tgt Ion:128 Resp: 52997
Ion Ratio Lower Upper
128 100
49 133.5 0.0 379.5
130 135.8 0.0 322.8



#15
Acetone
Concen: 4.447 ug/l
RT: 4.437 min Scan# 425
Delta R.T. 0.000 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

Tgt Ion: 58 Resp: 4588
Ion Ratio Lower Upper
58 100
43 156.1 220.9 331.3#

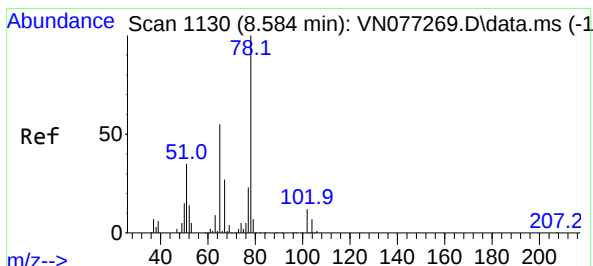
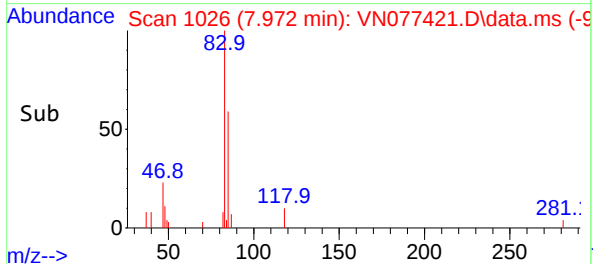
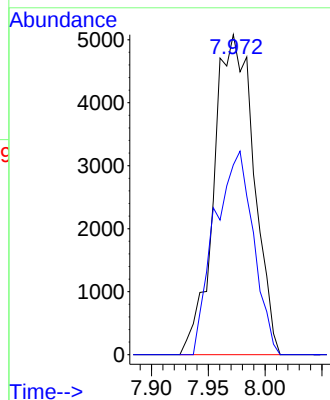
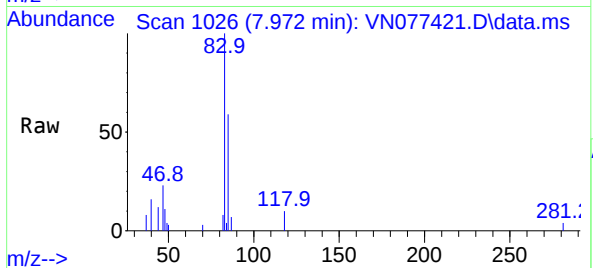




#25
Chloroform
Concen: 1.054 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

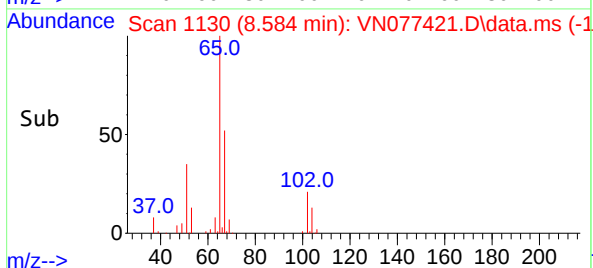
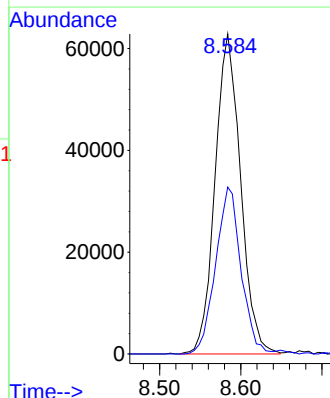
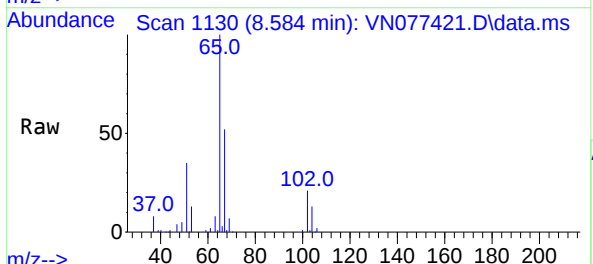
Instrument :
MSVOA_N
ClientSampleId :
230419054-04-TRIP-BLANK

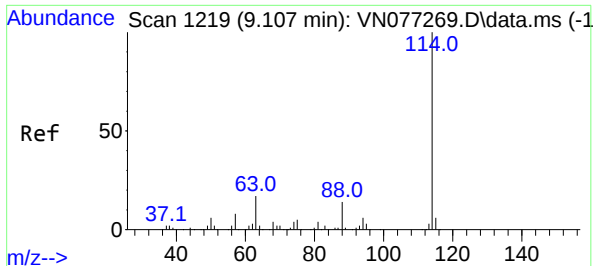
Tgt Ion: 83 Resp: 12404
Ion Ratio Lower Upper
83 100
85 59.3 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 30.567 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

Tgt Ion: 65 Resp: 137391
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# 11

Delta R.T. 0.000 min

Lab File: VN077421.D

Acq: 21 Apr 2023 12:20

Instrument :

MSVOA_N

ClientSampleId :

230419054-04-TRIP-BLANK

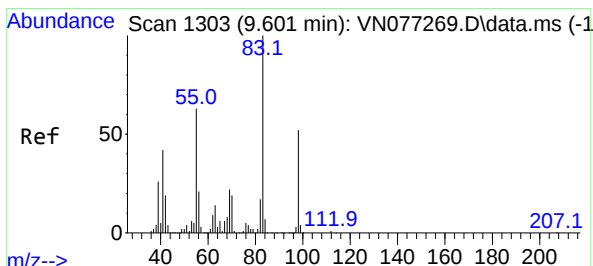
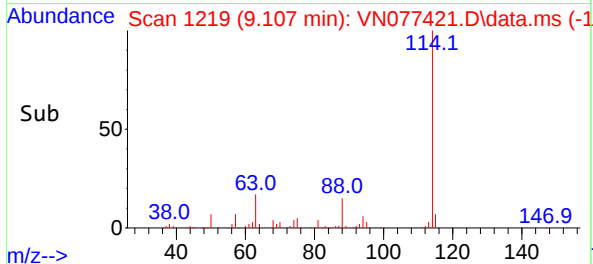
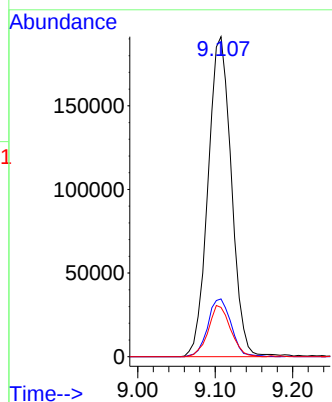
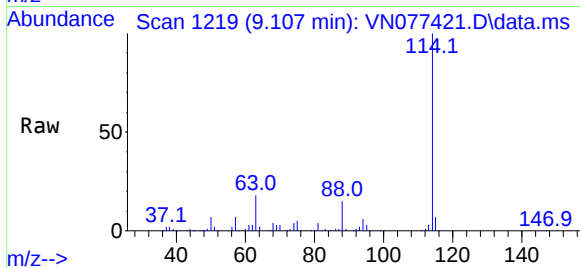
Tgt Ion:114 Resp: 399627

Ion Ratio Lower Upper

114 100

63 18.0 15.0 22.4

88 15.3 11.9 17.9



#38

Methylcyclohexane

Concen: 0.298 ug/l

RT: 9.890 min Scan# 1352

Delta R.T. 0.289 min

Lab File: VN077421.D

Acq: 21 Apr 2023 12:20

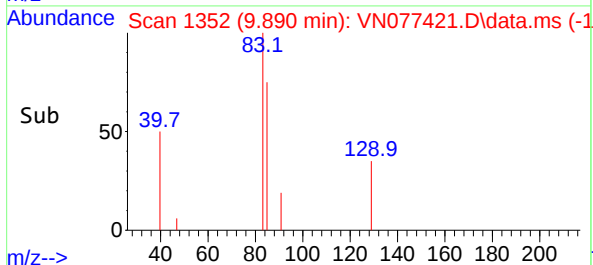
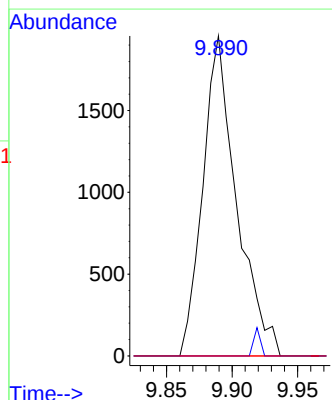
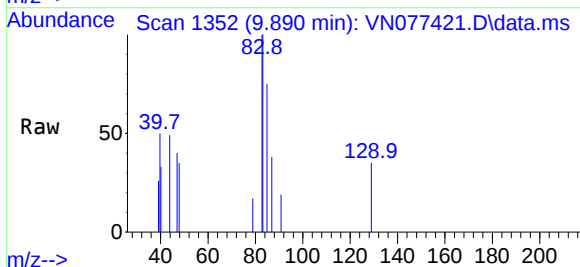
Tgt Ion: 83 Resp: 3498

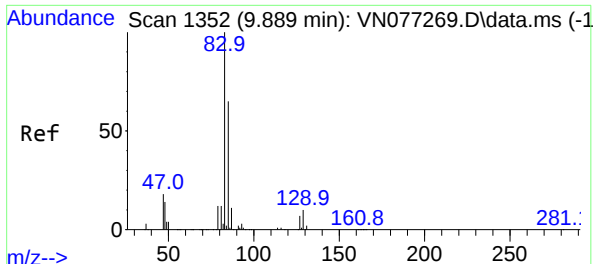
Ion Ratio Lower Upper

83 100

55 0.0 32.0 96.2#

98 0.0 25.3 75.9#

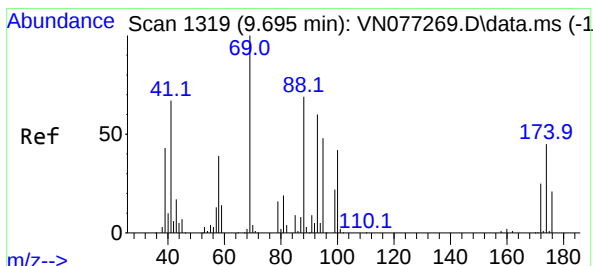
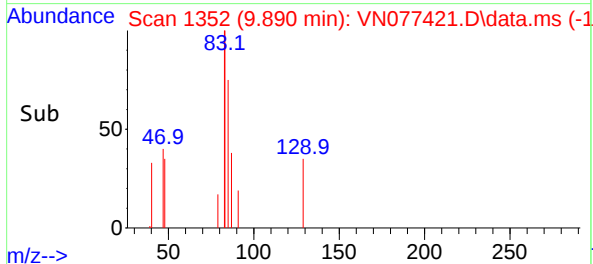
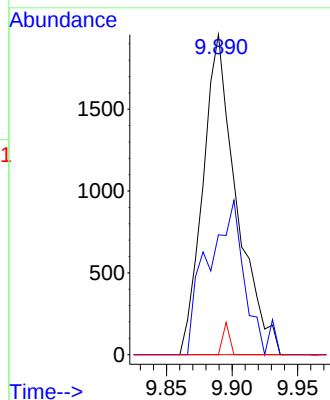
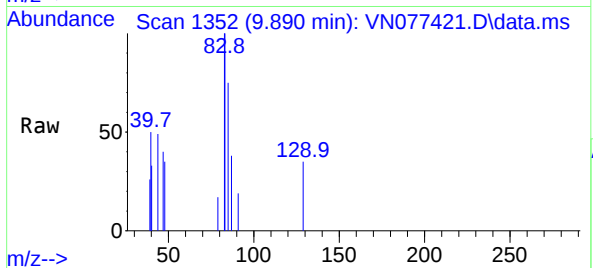




#41
Bromodichloromethane
Concen: 0.366 ug/l
RT: 9.890 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

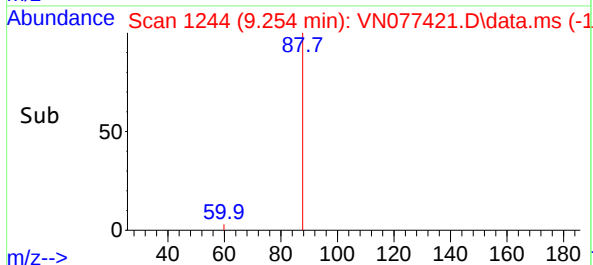
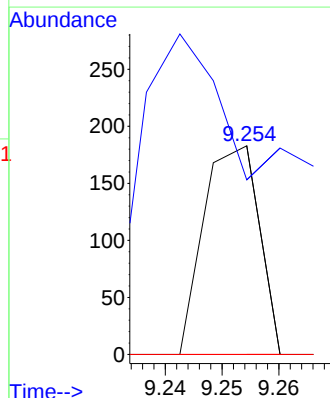
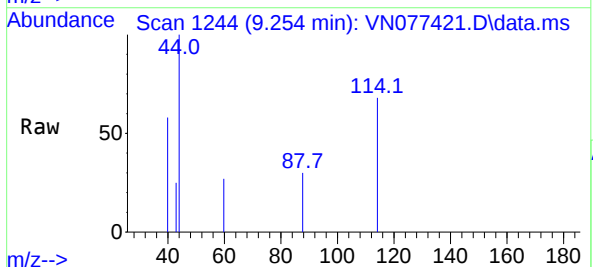
Instrument :
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ClientSampleId :
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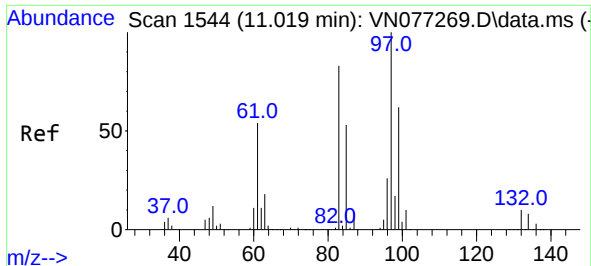
Tgt Ion: 83 Resp: 3498
Ion Ratio Lower Upper
83 100
85 37.4 52.3 78.5#
127 0.0 5.9 8.9#



#45
1,4-Dioxane
Concen: 0.867 ug/l
RT: 9.254 min Scan# 1244
Delta R.T. -0.441 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

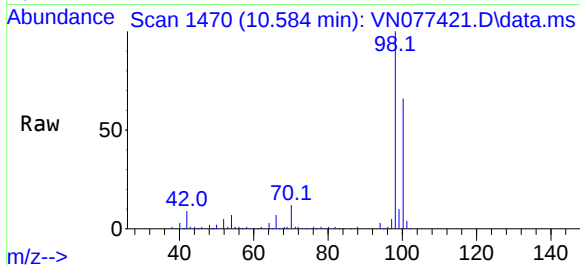
Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 257.3 17.4 26.0#
58 0.0 48.2 72.4#



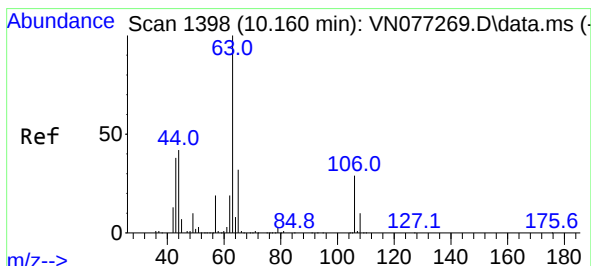
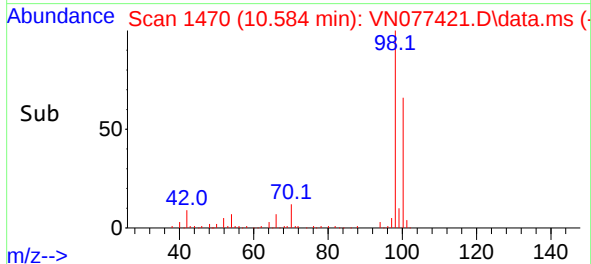
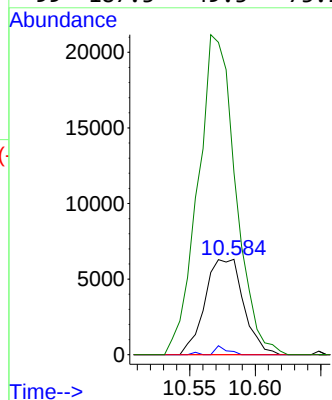


#50
1,1,2-Trichloroethane
Concen: 1.858 ug/l
RT: 10.584 min Scan# 14
Delta R.T. -0.435 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

Instrument :
MSVOA_N
ClientSampleId :
230419054-04-TRIP-BLANK

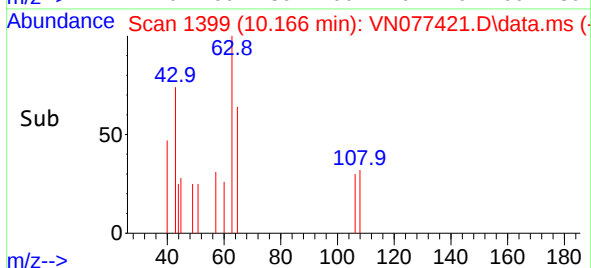
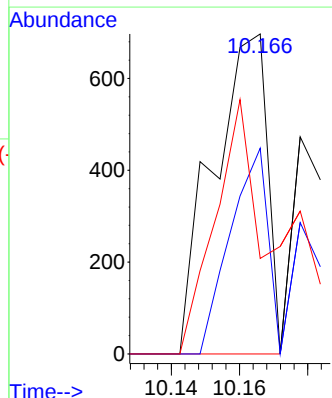
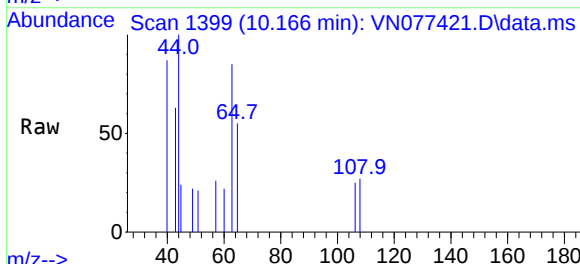


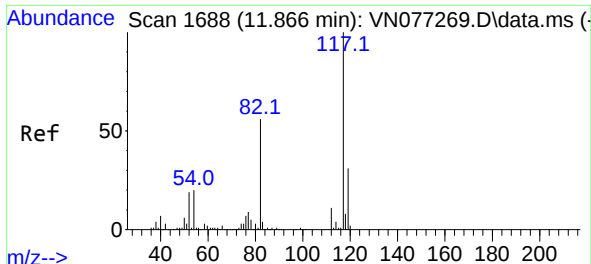
Tgt Ion:	97	Resp:	12929
Ion	Ratio	Lower	Upper
97	100		
83	3.4	66.7	100.1#
85	0.0	42.4	63.6#
99	187.3	49.3	73.9#



#55
2-Chloroethyl vinyl ether
Concen: 0.232 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

Tgt Ion:	63	Resp:	764
Ion	Ratio	Lower	Upper
63	100		
65	45.0	25.7	38.5#
106	58.6	24.0	36.0#

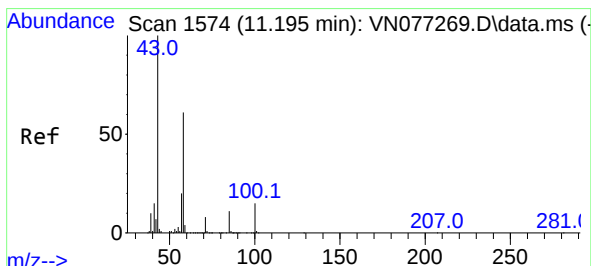
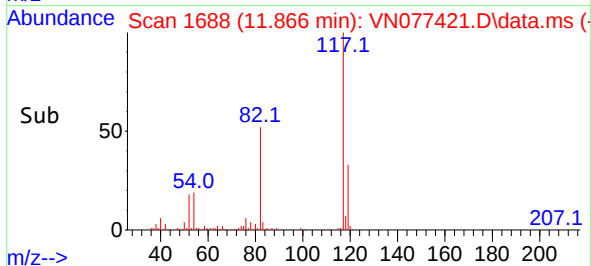
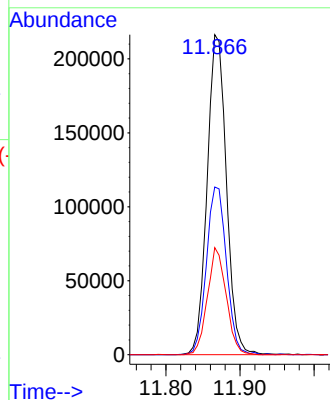
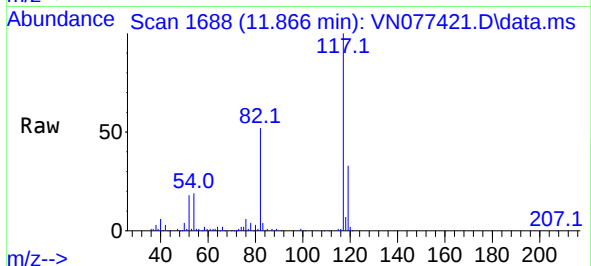




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

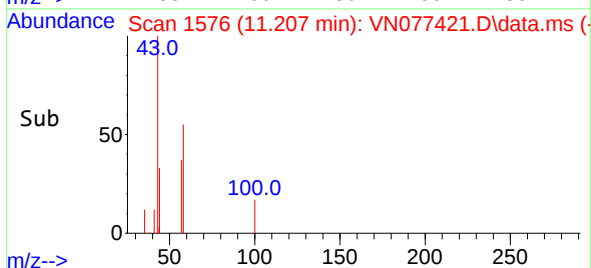
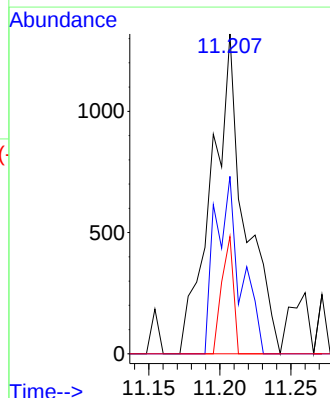
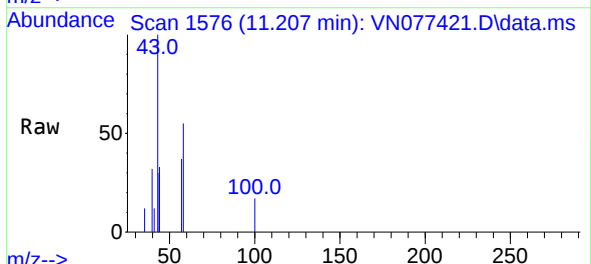
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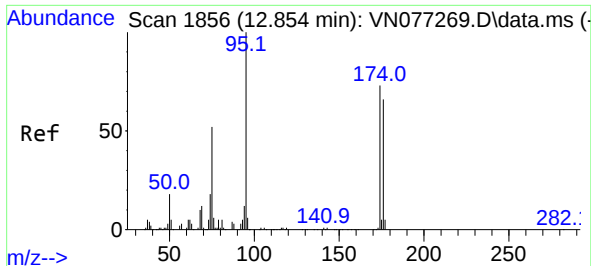
Tgt Ion:	117	Resp:	391208
Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.8	65.8
119	32.6	25.4	38.0



#59
2-Hexanone
Concen: 0.379 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

Tgt Ion:	43	Resp:	2147
Ion	Ratio	Lower	Upper
43	100		
58	32.7	48.6	73.0#
57	12.8	16.7	25.1#

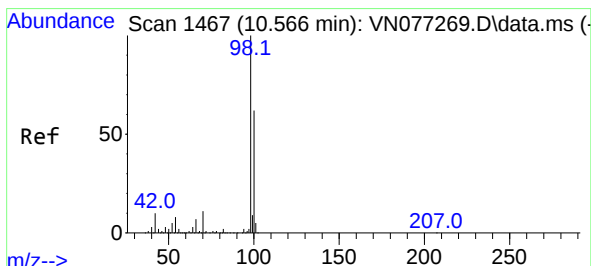
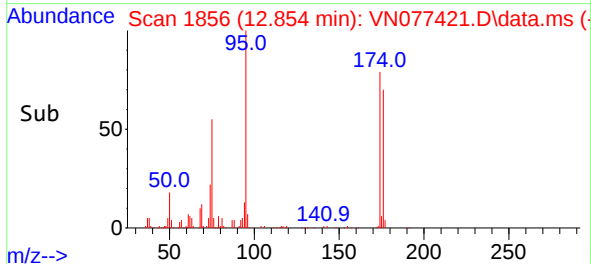
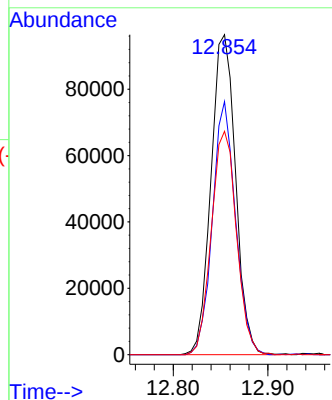
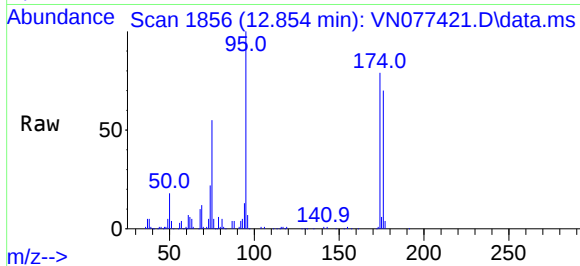




#60
4-Bromofluorobenzene
Concen: 25.700 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

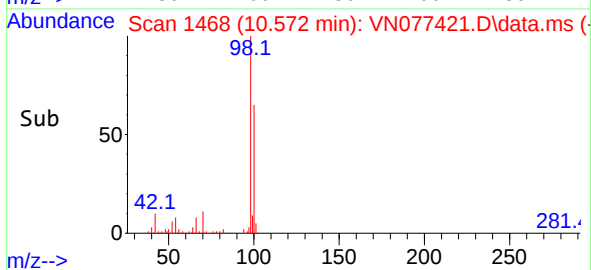
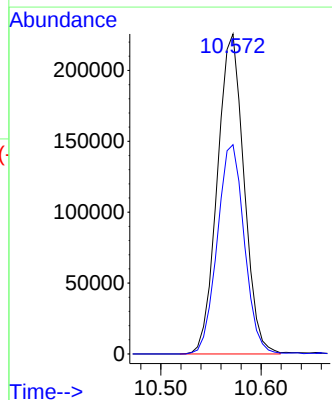
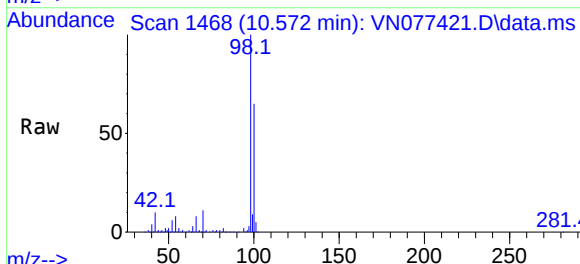
Instrument :
MSVOA_N
ClientSampleId :
230419054-04-TRIP-BLANK

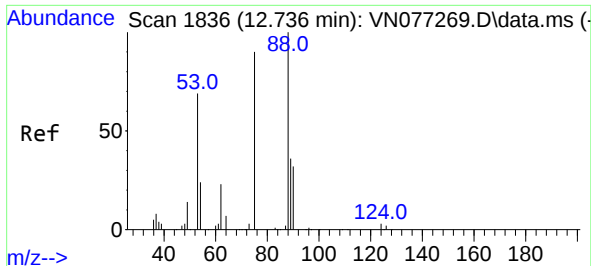
Tgt Ion: 95 Resp: 173849
Ion Ratio Lower Upper
95 100
174 74.5 57.8 86.8
176 71.3 54.6 81.8



#63
Toluene-d8
Concen: 30.241 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

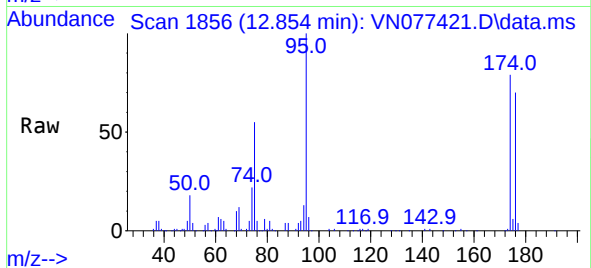
Tgt Ion: 98 Resp: 415903
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.2





#77
t-1,4-Dichloro-2-butene
Concen: 29.163 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077421.D
Acq: 21 Apr 2023 12:20

Instrument :
MSVOA_N
ClientSampleId :
230419054-04-TRIP-BLANK



Tgt Ion: 75 Resp: 93056
Ion Ratio Lower Upper
75 100
53 0.0 38.8 116.4#
89 0.0 23.2 69.6#

