

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077496.D
 Acq On : 28 Apr 2023 11:09
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 28 16:41:09 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)

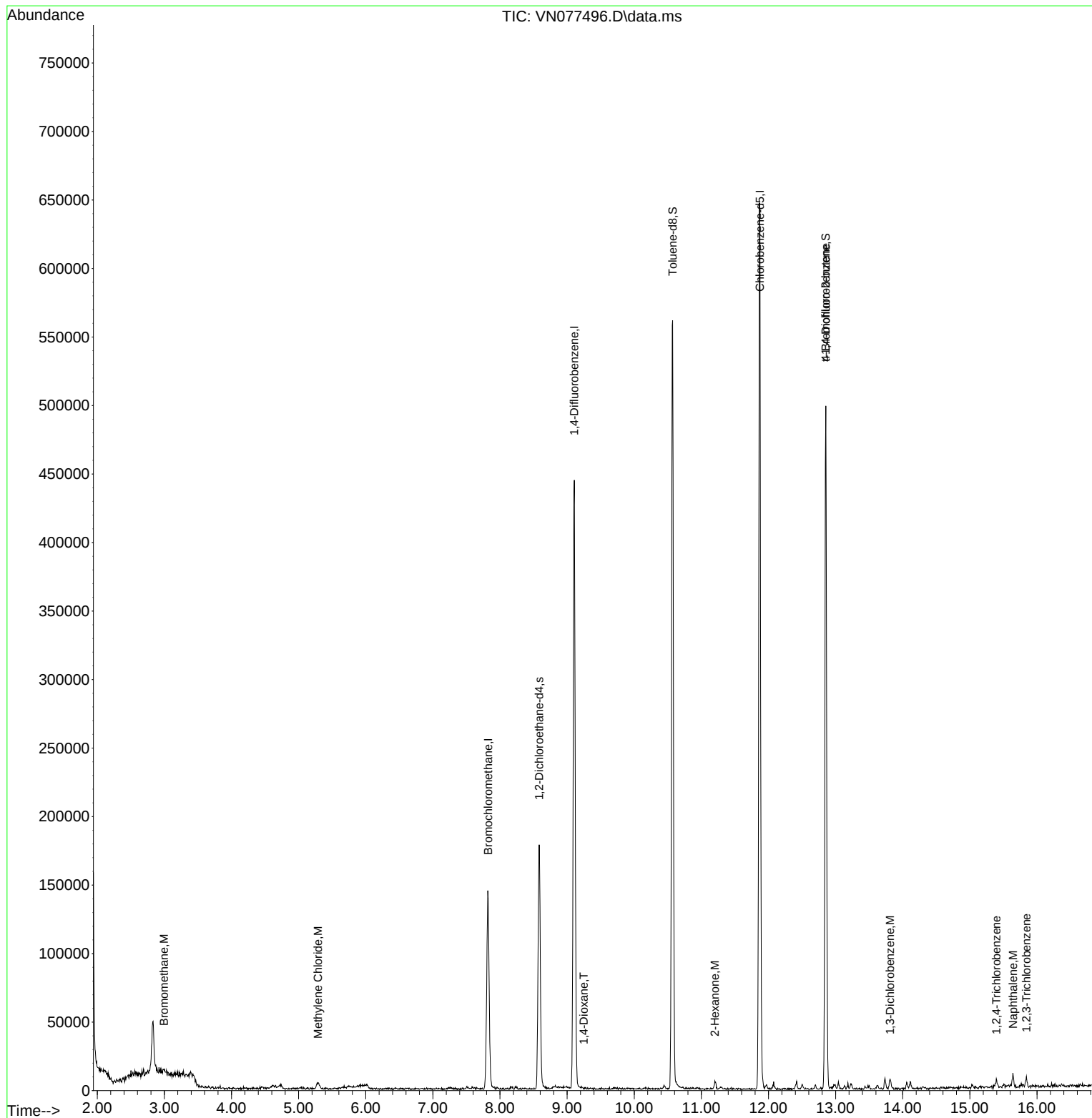
Internal Standards						
1) Bromochloromethane	7.825	128	53598	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	398681	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	399604	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	152846	31.987	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.633%
60) 4-Bromofluorobenzene	12.854	95	180654	25.804	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.000%
63) Toluene-d8	10.572	98	421660	29.945	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.833%
Target Compounds						
					Qvalue	
5) Bromomethane	2.996	94	1428	0.247	ug/l	94
18) Methylene Chloride	5.290	84	1698	0.263	ug/l #	79
45) 1,4-Dioxane	9.248	88	60	0.468	ug/l #	1
59) 2-Hexanone	11.201	43	3506	0.827	ug/l #	53
77) t-1,4-Dichloro-2-butene	12.854	75	96978	39.329	ug/l #	19
83) 1,3-Dichlorobenzene	13.813	146	2710	0.250	ug/l	75
89) 1,2,4-Trichlorobenzene	15.395	180	1856	0.641	ug/l #	77
91) Naphthalene	15.642	128	7584	0.718	ug/l #	88
92) 1,2,3-Trichlorobenzene	15.842	180	1609	0.594	ug/l	63

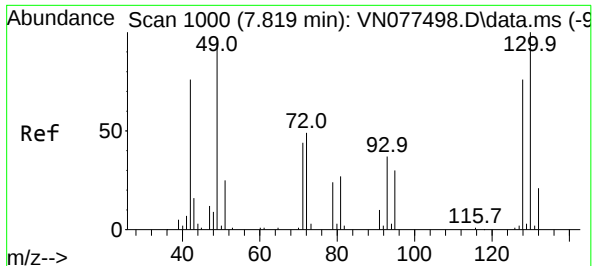
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 28 16:41:09 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

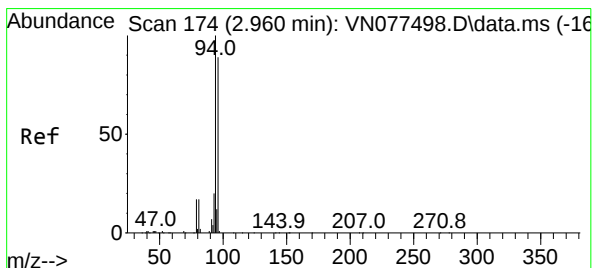
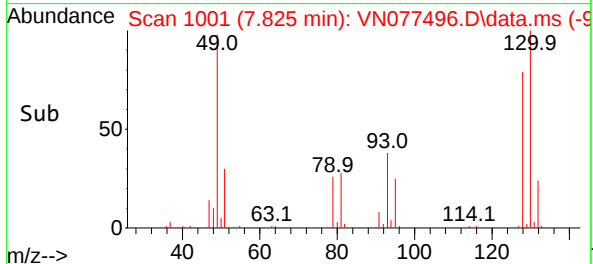
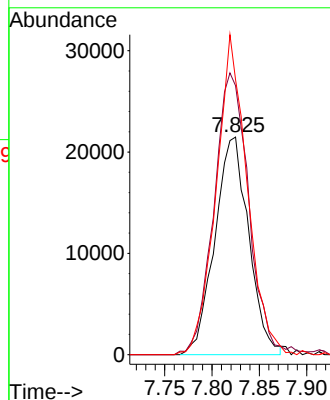
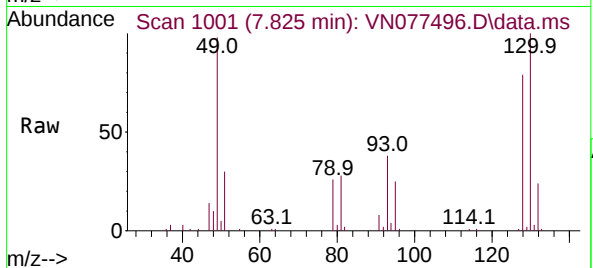




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

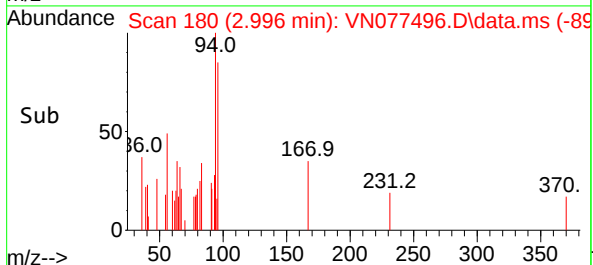
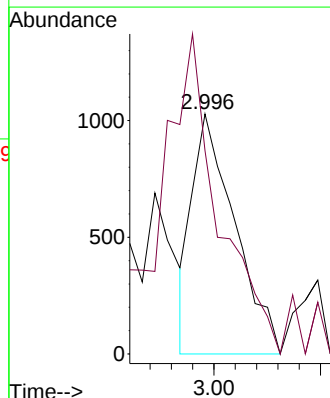
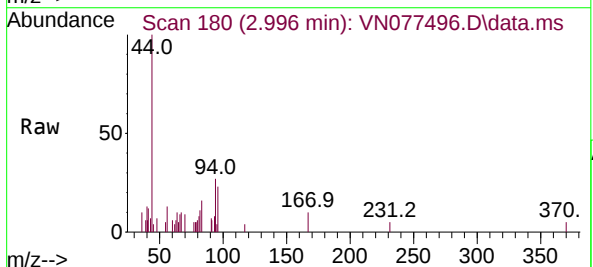
Instrument :
MSVOA_N
ClientSampleId :
IBLK

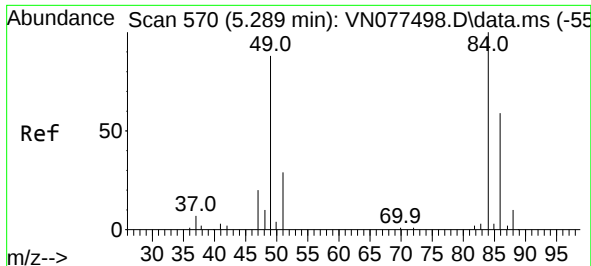
Tgt Ion:	128	Resp:	53598
Ion	Ratio	Lower	Upper
128	100		
49	132.1	0.0	338.5
130	134.5	0.0	326.3



#5
Bromomethane
Concen: 0.247 ug/l
RT: 2.996 min Scan# 180
Delta R.T. 0.036 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

Tgt Ion:	94	Resp:	1428
Ion	Ratio	Lower	Upper
94	100		
96	84.7	72.6	108.8

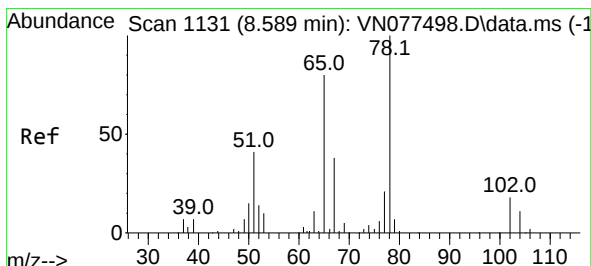
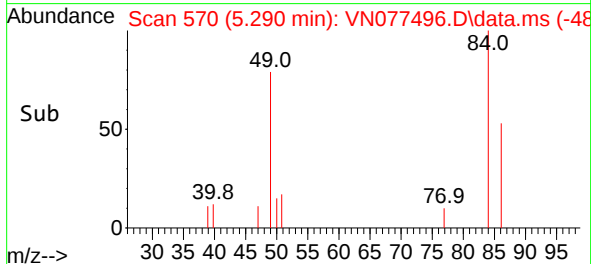
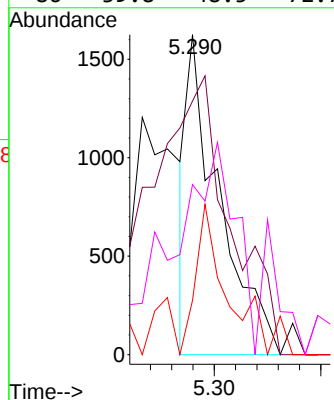
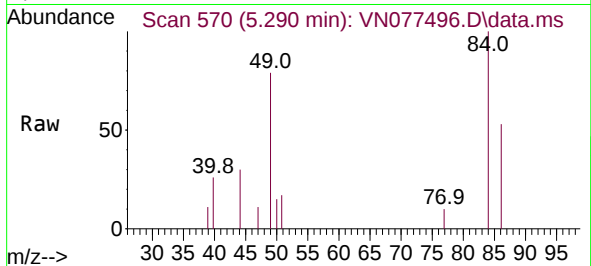




#18
Methylene Chloride
Concen: 0.263 ug/l
RT: 5.290 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

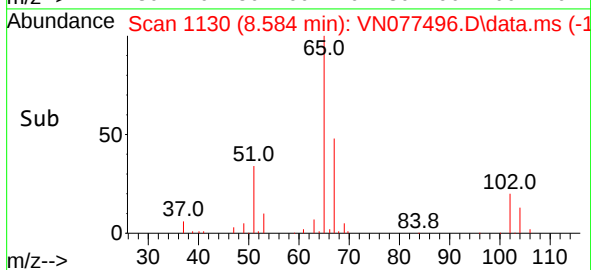
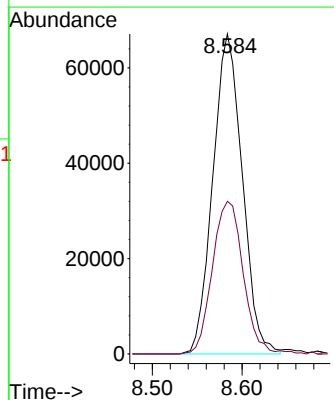
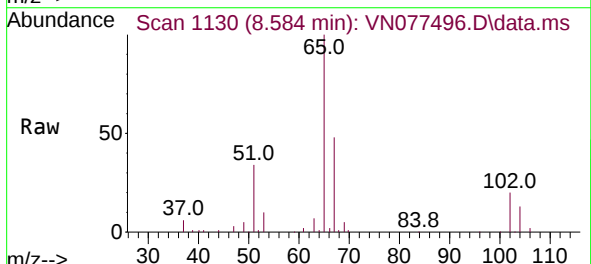
Instrument :
MSVOA_N
ClientSampleId :
IBLK

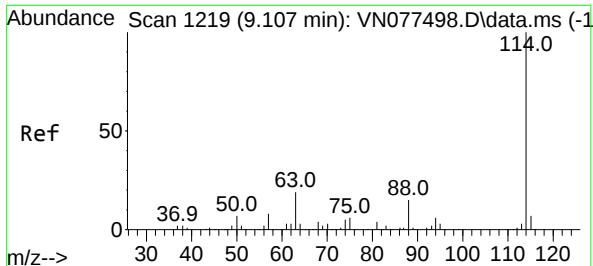
Tgt Ion:	84	Resp:	1698
Ion	Ratio	Lower	Upper
84	100		
49	79.3	74.6	112.0
51	16.9	25.0	37.6#
86	39.8	48.5	72.7#



#27
1,2-Dichloroethane-d4
Concen: 31.987 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

Tgt Ion:	65	Resp:	152846
Ion	Ratio	Lower	Upper
65	100		
67	49.5	40.2	60.2

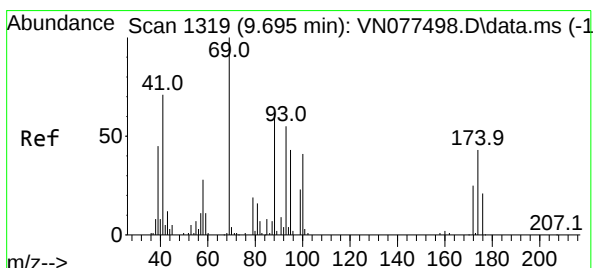
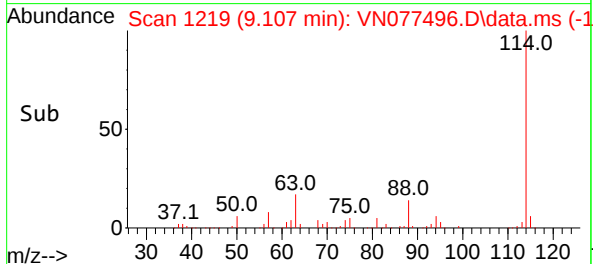
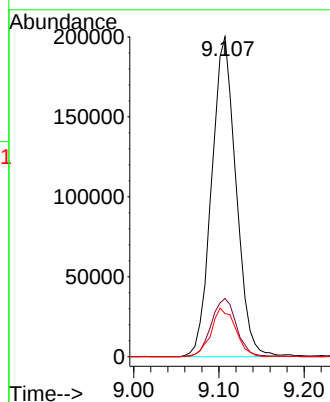
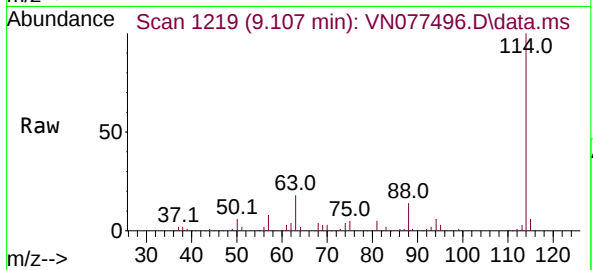




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

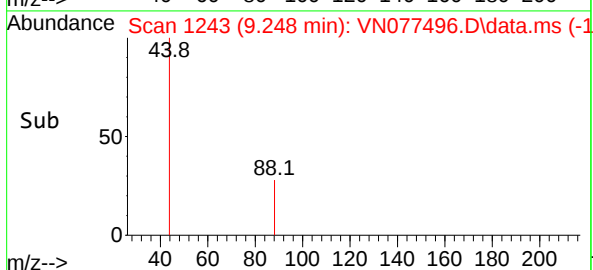
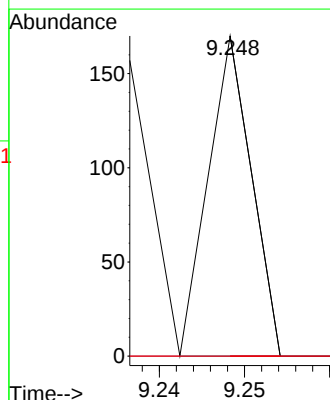
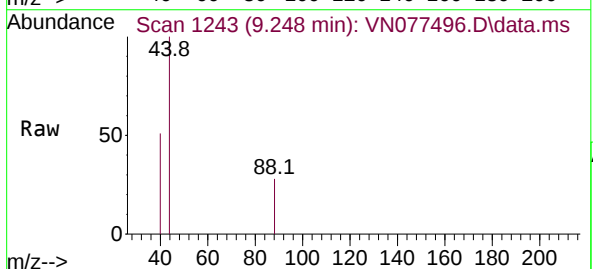
Instrument :
MSVOA_N
ClientSampleId :
IBLK

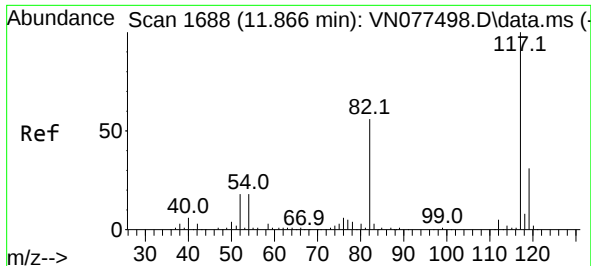
Tgt Ion:114 Resp: 398681
Ion Ratio Lower Upper
114 100
63 18.8 14.1 21.1
88 15.3 12.3 18.5



#45
1,4-Dioxane
Concen: 0.468 ug/l
RT: 9.248 min Scan# 1243
Delta R.T. -0.447 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 211.7 16.6 24.8#
58 0.0 47.3 70.9#

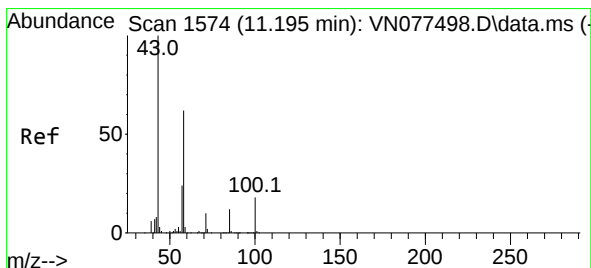
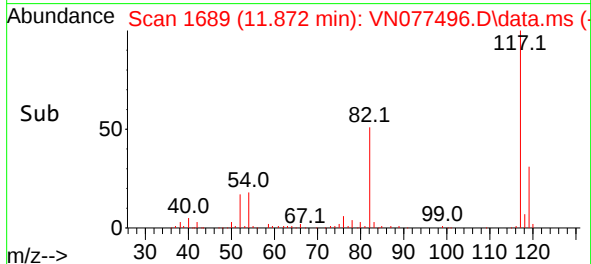
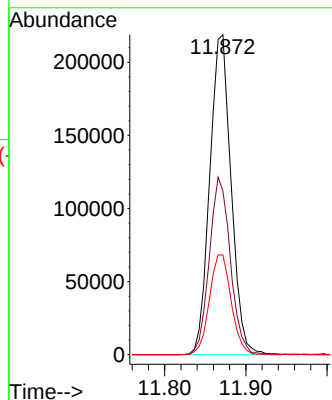
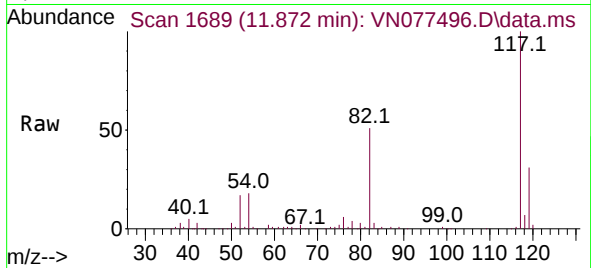




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

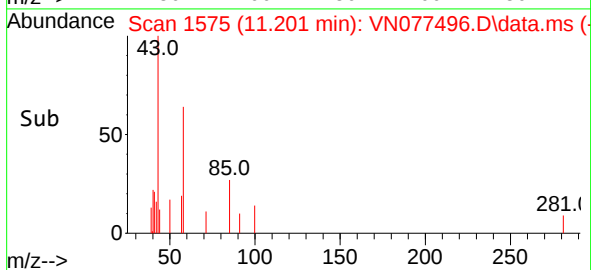
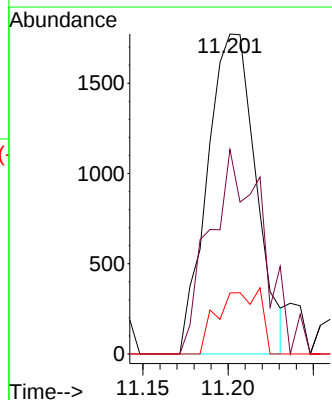
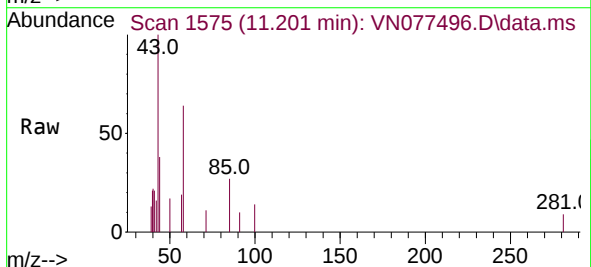
Instrument :
MSVOA_N
ClientSampleId :
IBLK

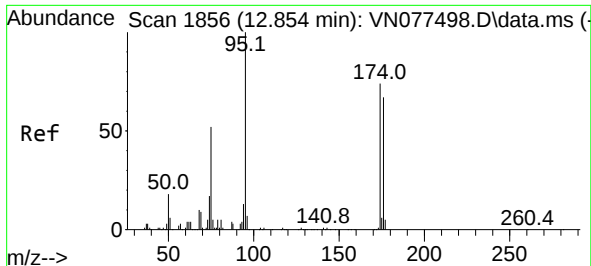
Tgt Ion:117 Resp: 399604
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.8 25.4 38.2



#59
2-Hexanone
Concen: 0.827 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

Tgt Ion: 43 Resp: 3506
Ion Ratio Lower Upper
43 100
58 19.9 51.8 77.8#
57 14.0 18.2 27.4#

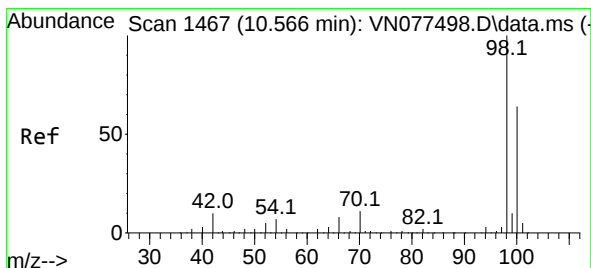
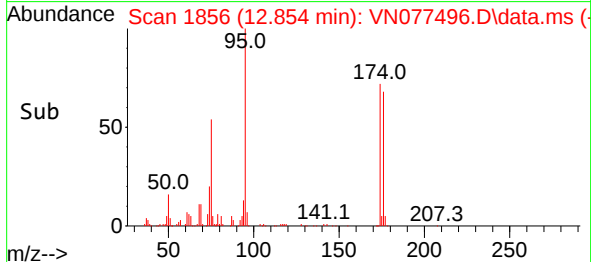
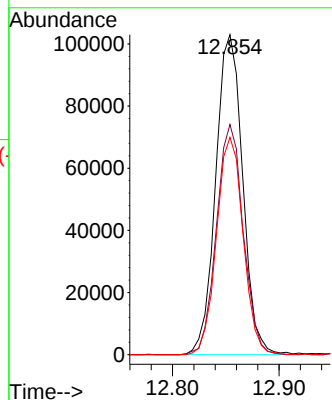
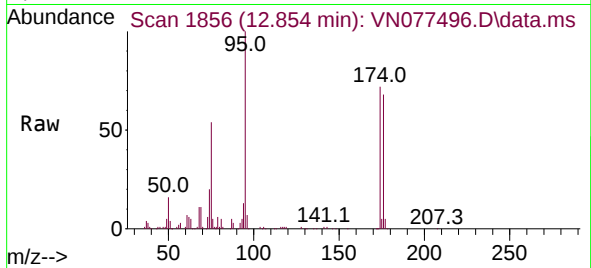




#60
4-Bromofluorobenzene
Concen: 25.804 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

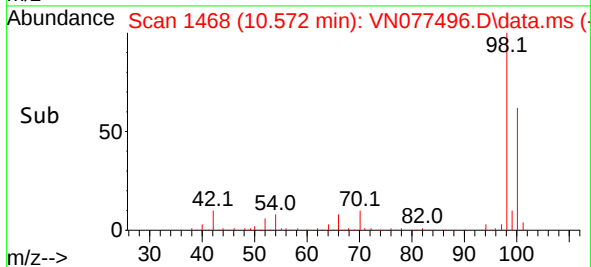
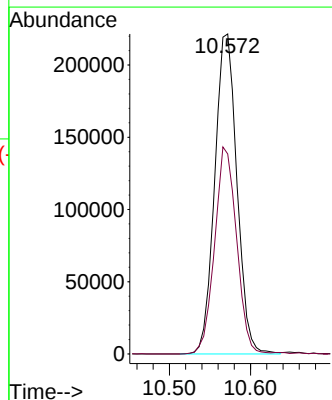
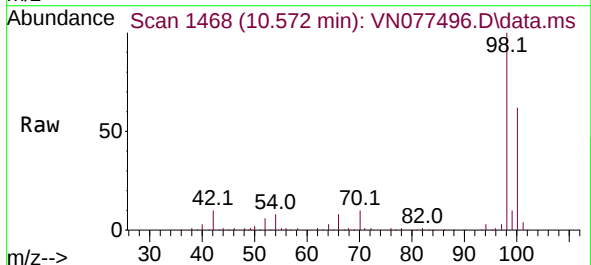
Instrument :
MSVOA_N
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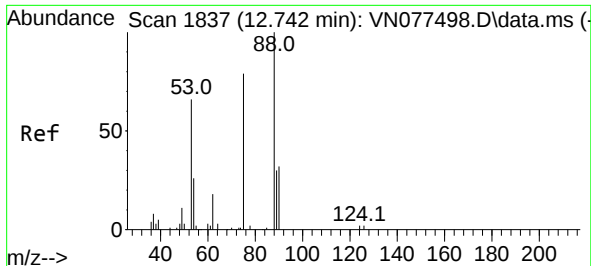
Tgt Ion: 95 Resp: 180654
Ion Ratio Lower Upper
95 100
174 71.6 55.9 83.9
176 67.1 53.9 80.9



#63
Toluene-d8
Concen: 29.945 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

Tgt Ion: 98 Resp: 421660
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.4

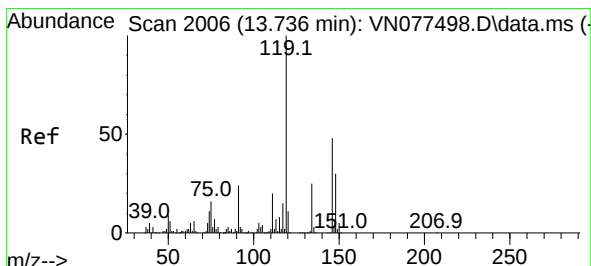
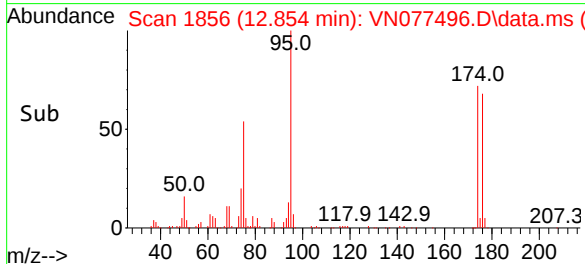
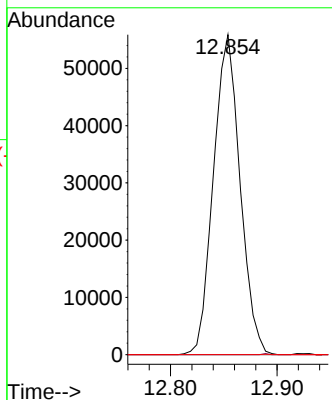
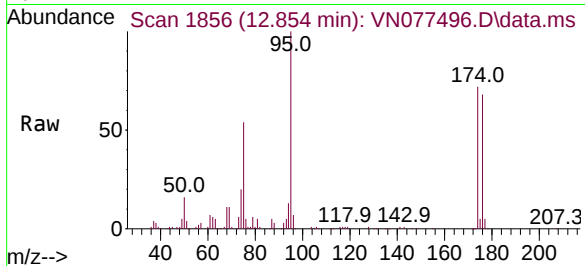




#77
t-1,4-Dichloro-2-butene
Concen: 39.329 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

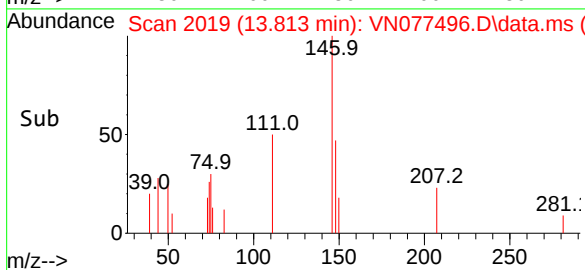
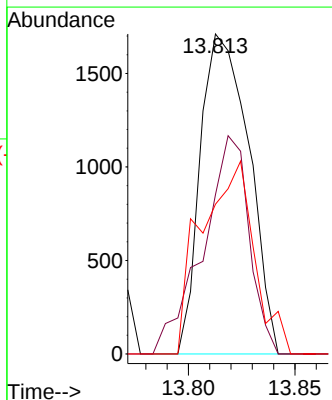
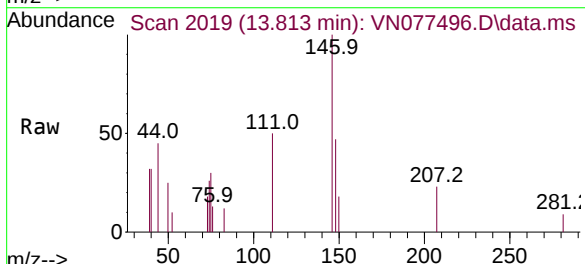
Instrument :
MSVOA_N
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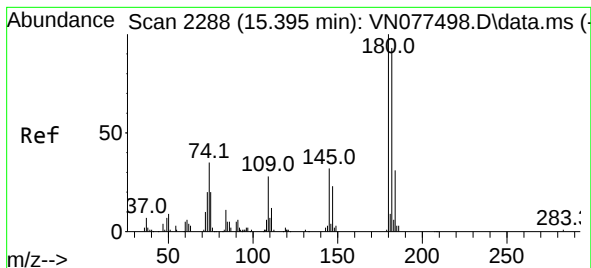
Tgt Ion: 75 Resp: 96978
Ion Ratio Lower Upper
75 100
53 0.0 38.2 114.6#
89 0.0 22.1 66.1#



#83
1,3-Dichlorobenzene
Concen: 0.250 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. 0.077 min
Lab File: VN077496.D
Acq: 28 Apr 2023 11:09

Tgt Ion: 146 Resp: 2710
Ion Ratio Lower Upper
146 100
111 65.2 22.1 66.5
148 47.9 31.8 95.4





#89

1,2,4-Trichlorobenzene

Concen: 0.641 ug/l

RT: 15.395 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN077496.D

Acq: 28 Apr 2023 11:09

Instrument :

MSVOA_N

ClientSampleId :

IBLK

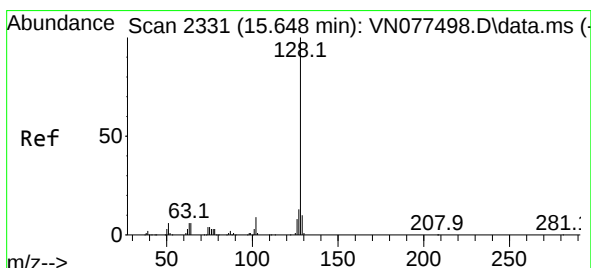
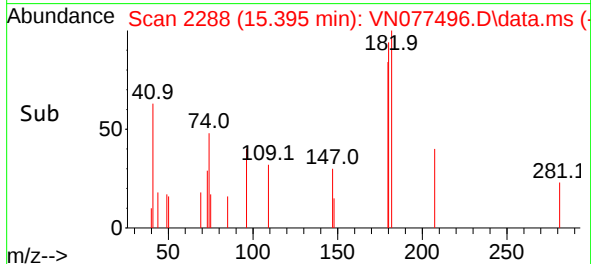
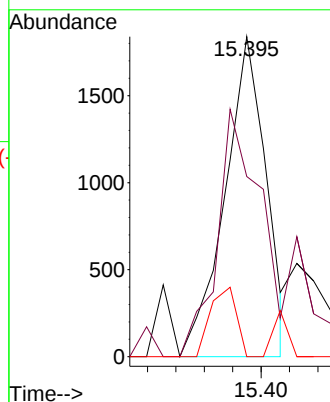
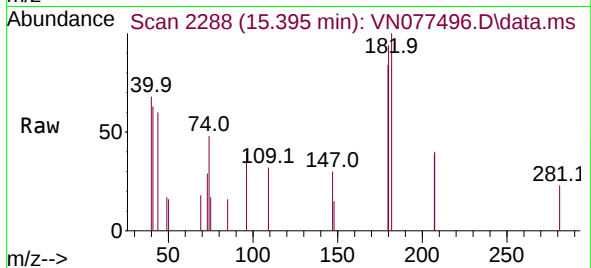
Tgt Ion:180 Resp: 1856

Ion Ratio Lower Upper

180 100

182 81.3 78.7 118.1

145 13.7 28.8 43.2#



#91

Naphthalene

Concen: 0.718 ug/l

RT: 15.642 min Scan# 2330

Delta R.T. -0.006 min

Lab File: VN077496.D

Acq: 28 Apr 2023 11:09

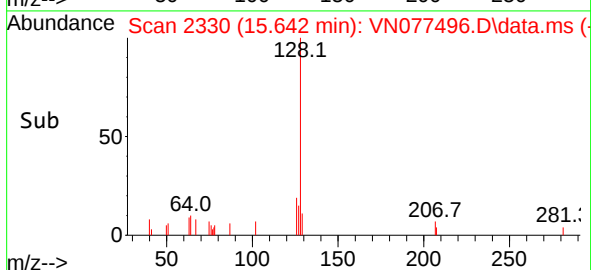
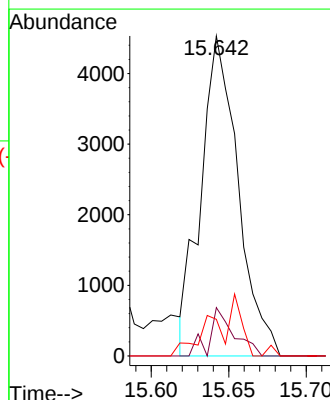
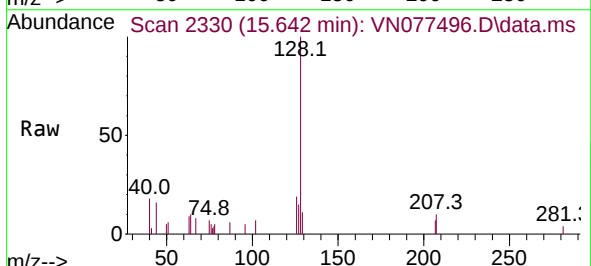
Tgt Ion:128 Resp: 7584

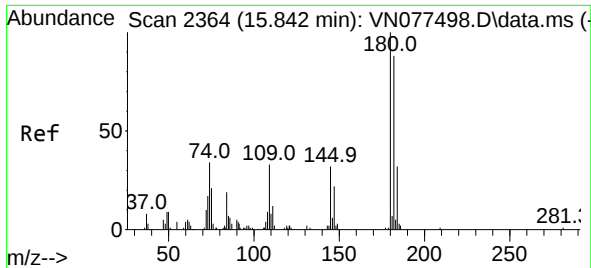
Ion Ratio Lower Upper

128 100

127 8.5 10.4 15.6#

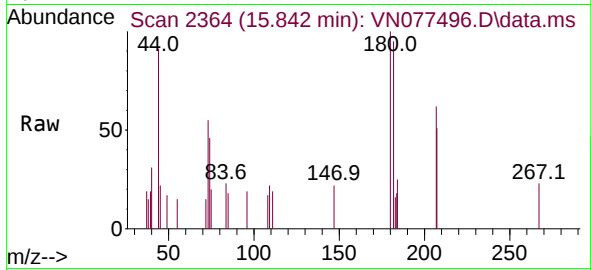
129 5.9 8.7 13.1#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.594 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN077496.D
 Acq: 28 Apr 2023 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1609
Ion	Ratio	Lower	Upper
180	100		
182	133.9	0.0	198.0
145	14.2	0.0	80.2

