

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076897.D
 Acq On : 09 Mar 2023 12:51
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 10 01:31:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

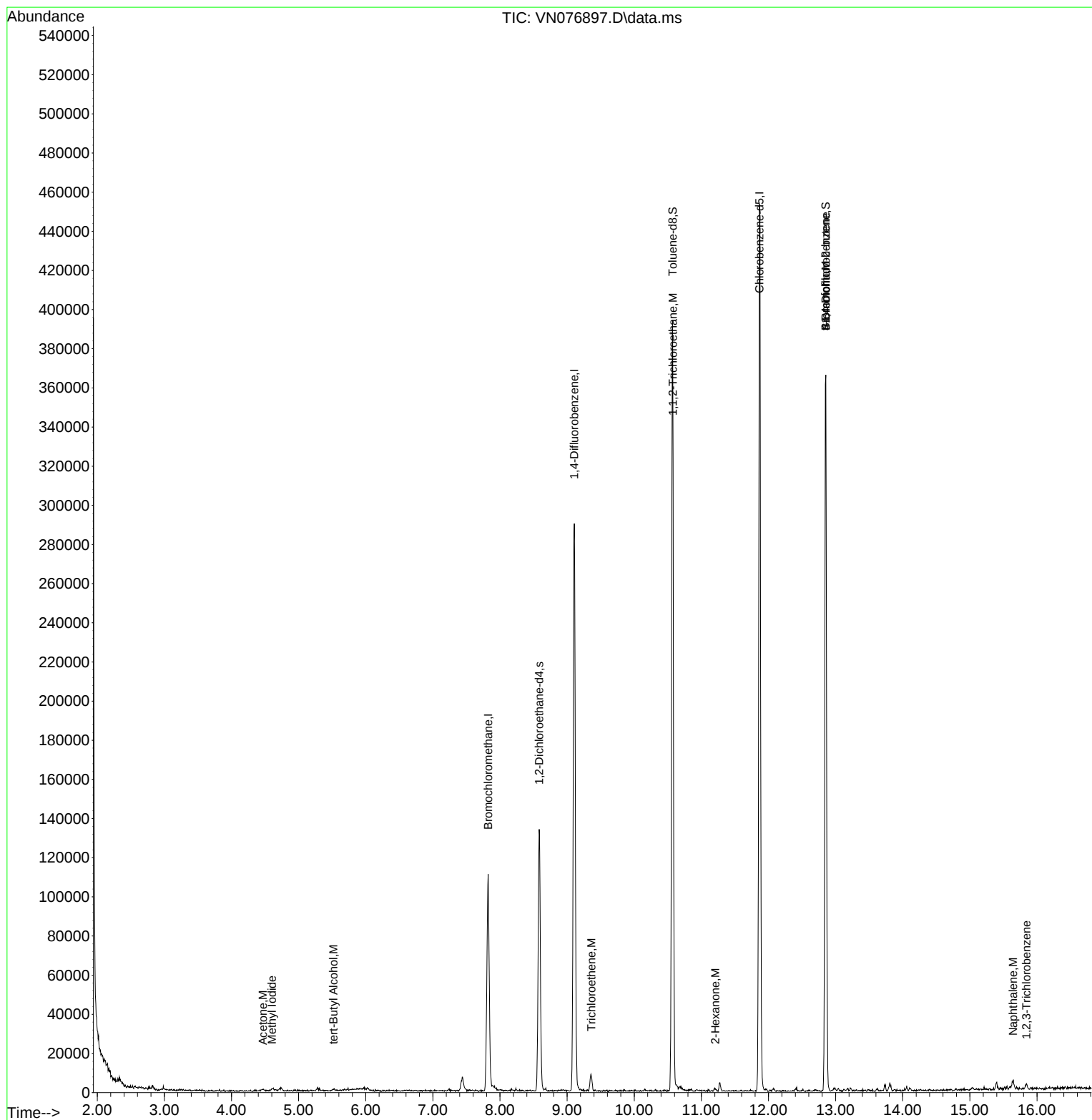
Internal Standards						
1) Bromochloromethane	7.825	128	39921	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	256117	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	272509	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	113035	30.805	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.700%
60) 4-Bromofluorobenzene	12.854	95	137275	26.616	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.733%
63) Toluene-d8	10.572	98	277693	28.972	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.567%
Target Compounds						
					Qvalue	
11) Methyl Iodide	4.601	142	1100	0.209	ug/l #	12
15) Acetone	4.466	58	159	0.247	ug/l #	1
23) tert-Butyl Alcohol	5.519	59	441	0.641	ug/l #	100
37) Trichloroethene	9.360	130	4190	0.919	ug/l #	78
50) 1,1,2-Trichloroethane	10.578	97	8973	2.023	ug/l #	1
56) Bromoform	12.854	173	1068	0.353	ug/l #	1
59) 2-Hexanone	11.207	43	1149	0.294	ug/l #	84
77) t-1,4-Dichloro-2-butene	12.854	75	72422	43.725	ug/l #	9
91) Naphthalene	15.642	128	4248	0.307	ug/l	95
92) 1,2,3-Trichlorobenzene	15.842	180	1359	0.311	ug/l	51

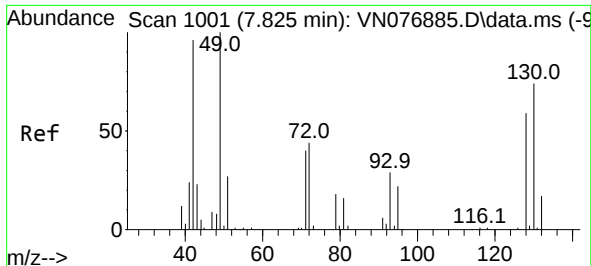
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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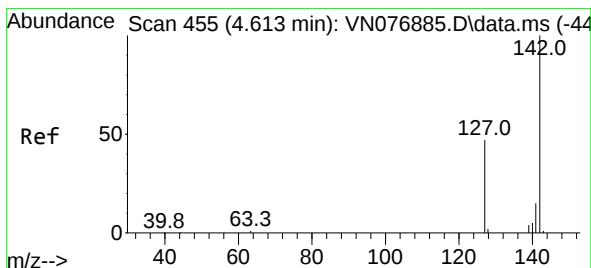
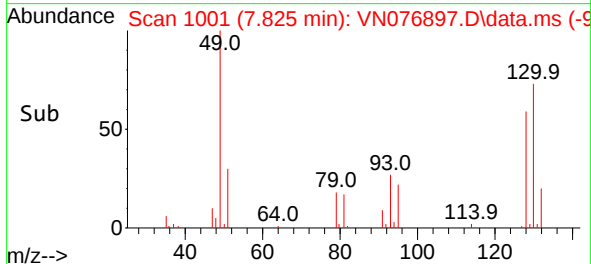
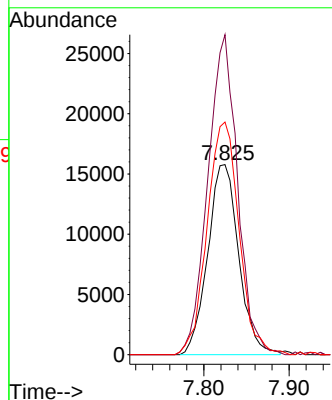
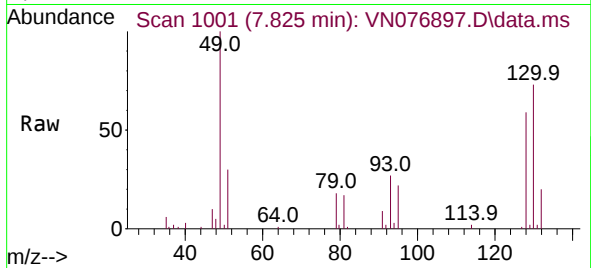




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

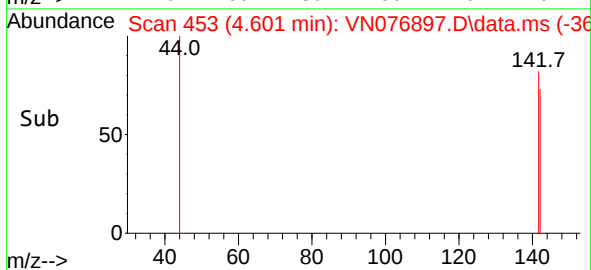
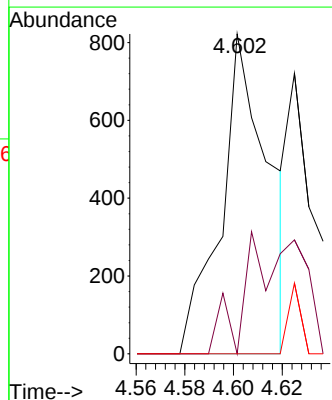
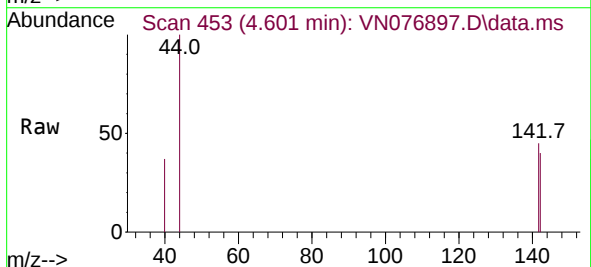
Instrument :
MSVOA_N
ClientSampleId :
IBLK

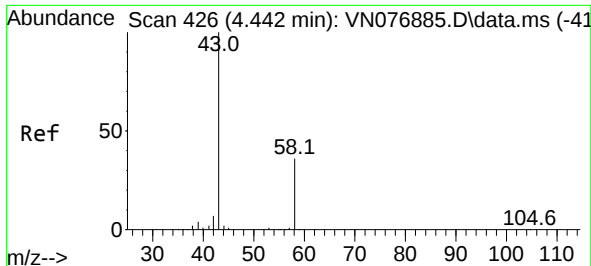
Tgt Ion:128 Resp: 39921
Ion Ratio Lower Upper
128 100
49 161.3 0.0 461.8
130 126.2 0.0 295.3



#11
Methyl Iodide
Concen: 0.209 ug/l
RT: 4.601 min Scan# 453
Delta R.T. -0.006 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

Tgt Ion:142 Resp: 1100
Ion Ratio Lower Upper
142 100
127 0.0 25.0 75.0#
141 74.3 8.0 24.0#





#15

Acetone

Concen: 0.247 ug/l

RT: 4.466 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN076897.D

Acq: 09 Mar 2023 12:51

Instrument :

MSVOA_N

ClientSampleId :

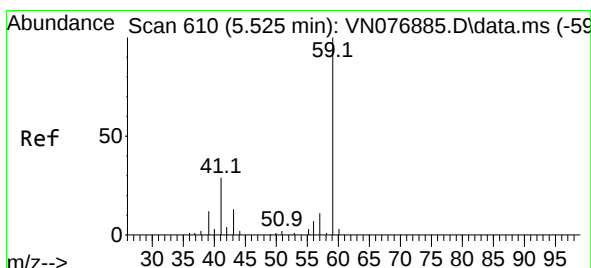
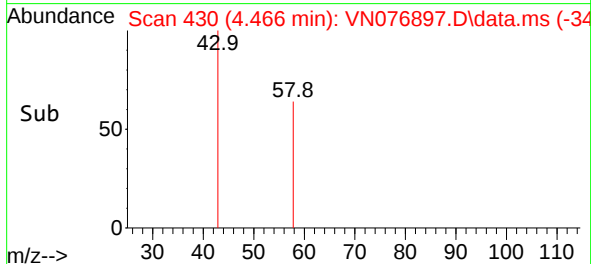
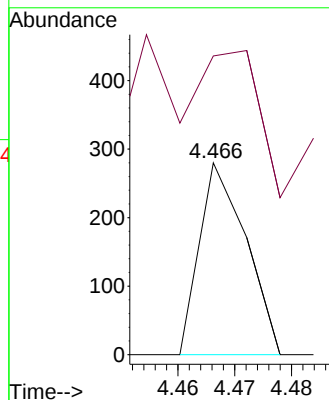
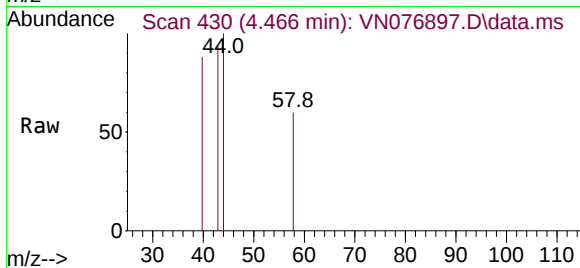
IBLK

Tgt Ion: 58 Resp: 159

Ion Ratio Lower Upper

58 100

43 73.9 255.4 383.0#



#23

tert-Butyl Alcohol

Concen: 0.641 ug/l

RT: 5.519 min Scan# 609

Delta R.T. -0.012 min

Lab File: VN076897.D

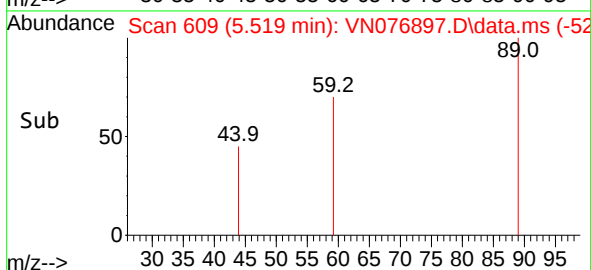
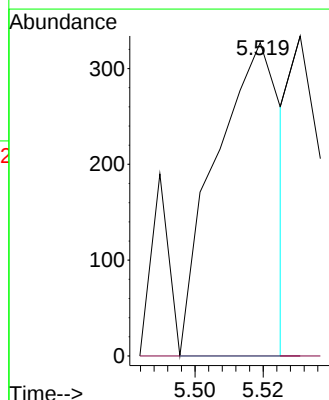
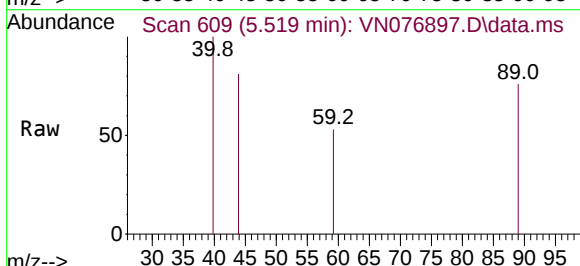
Acq: 09 Mar 2023 12:51

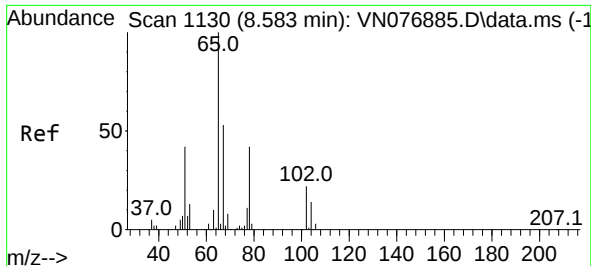
Tgt Ion: 59 Resp: 441

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.805 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN076897.D

Acq: 09 Mar 2023 12:51

Instrument :

MSVOA_N

ClientSampleId :

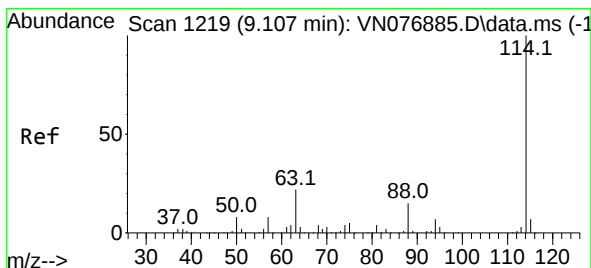
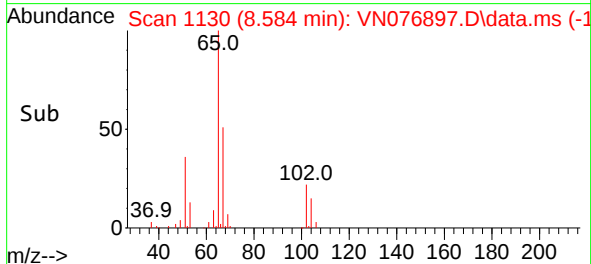
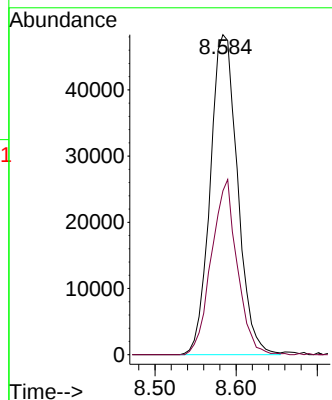
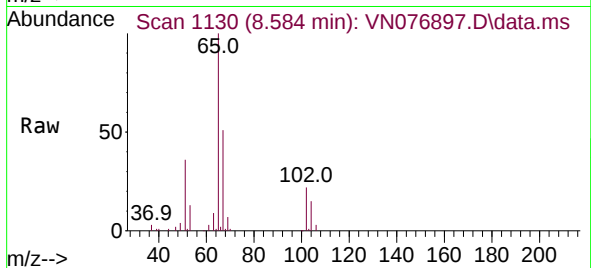
IBLK

Tgt Ion: 65 Resp: 113035

Ion Ratio Lower Upper

65 100

67 51.6 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076897.D

Acq: 09 Mar 2023 12:51

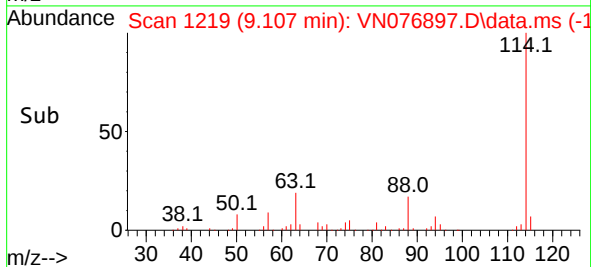
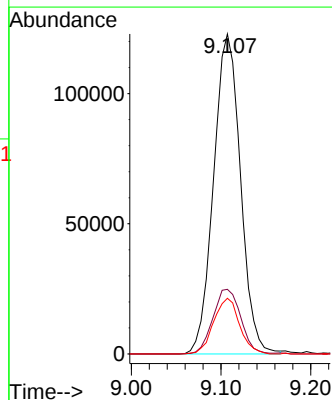
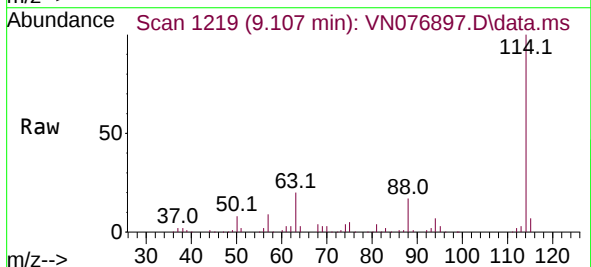
Tgt Ion: 114 Resp: 256117

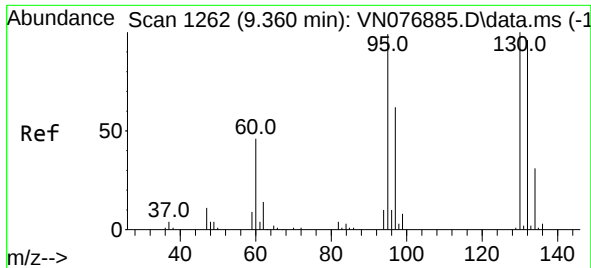
Ion Ratio Lower Upper

114 100

63 20.9 17.0 25.4

88 16.8 11.6 17.4

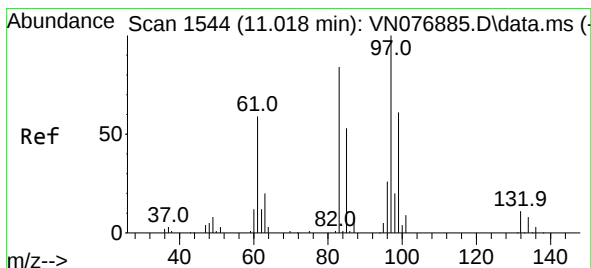
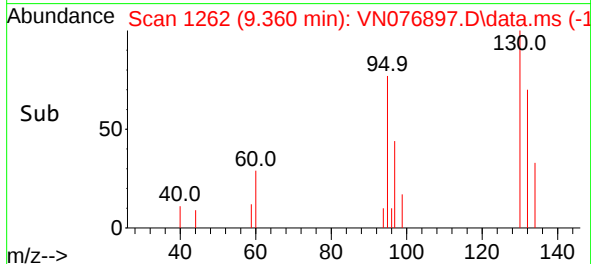
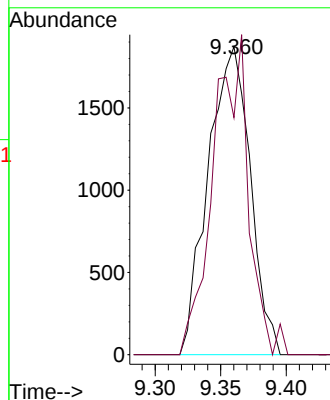
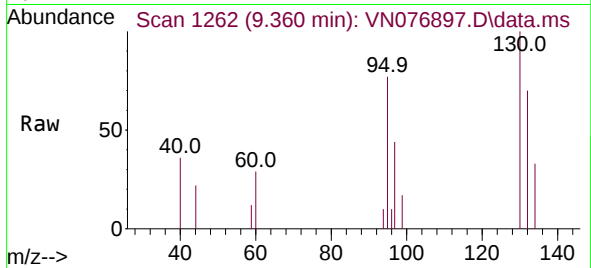




#37
Trichloroethene
Concen: 0.919 ug/l
RT: 9.360 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

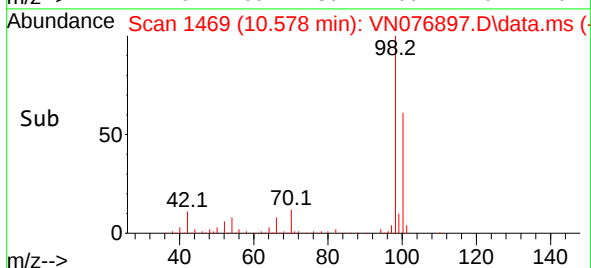
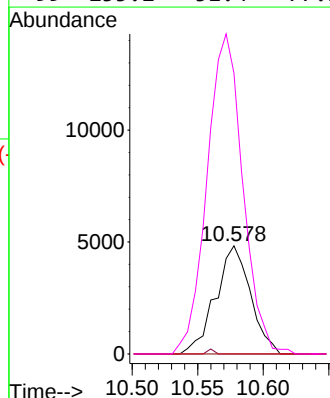
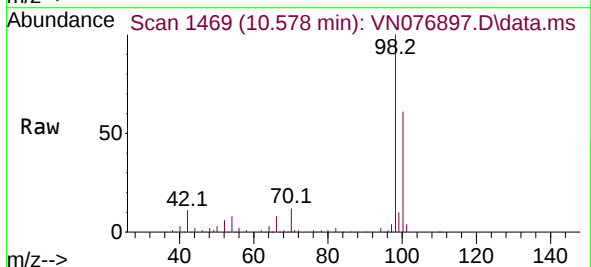
Instrument :
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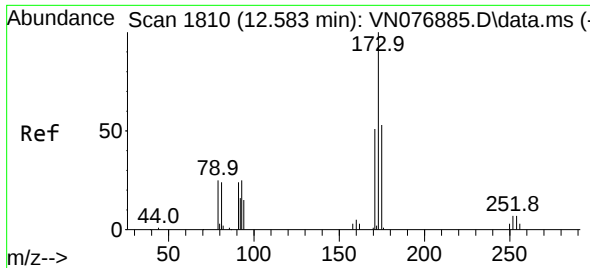
Tgt Ion:130 Resp: 4190
Ion Ratio Lower Upper
130 100
95 77.0 78.7 118.1#



#50
1,1,2-Trichloroethane
Concen: 2.023 ug/l
RT: 10.578 min Scan# 1469
Delta R.T. -0.441 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

Tgt Ion: 97 Resp: 8973
Ion Ratio Lower Upper
97 100
83 0.0 71.0 106.4#
85 0.0 45.5 68.3#
99 255.2 51.4 77.2#

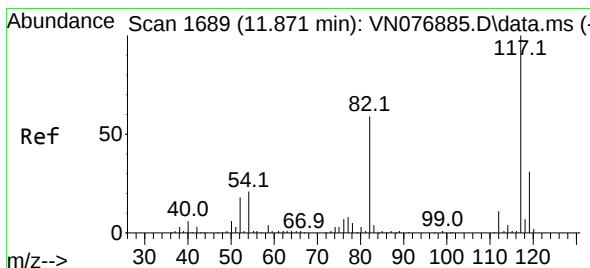
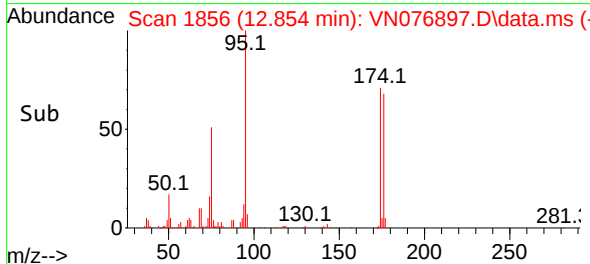
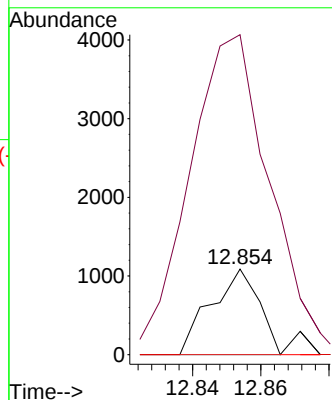
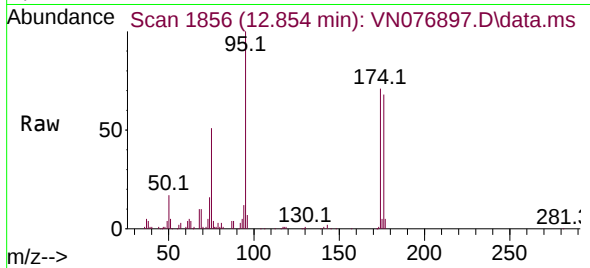




#56
Bromoform
Concen: 0.353 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

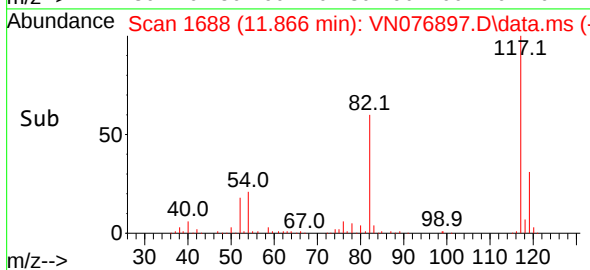
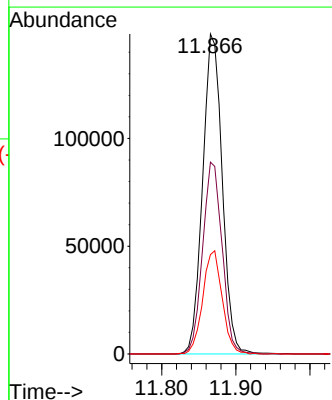
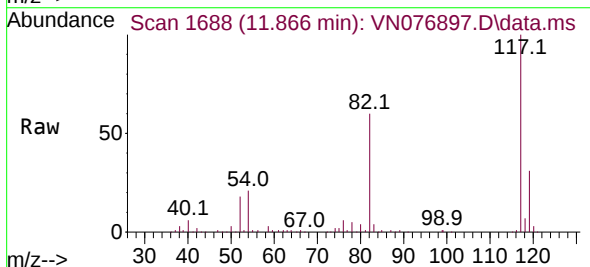
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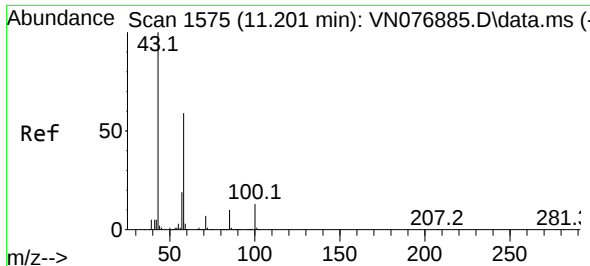
Tgt Ion:173 Resp: 1068
Ion Ratio Lower Upper
173 100
175 623.9 37.8 56.6#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

Tgt Ion:117 Resp: 272509
Ion Ratio Lower Upper
117 100
82 59.7 45.4 68.0
119 32.0 26.8 40.2

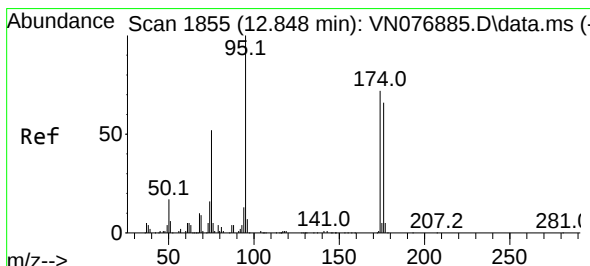
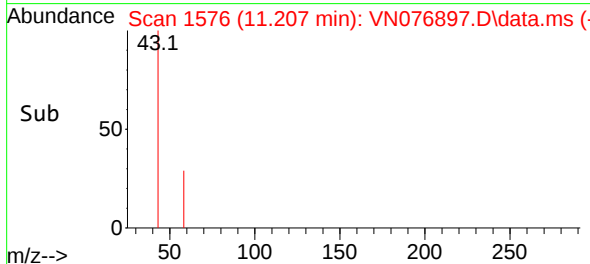
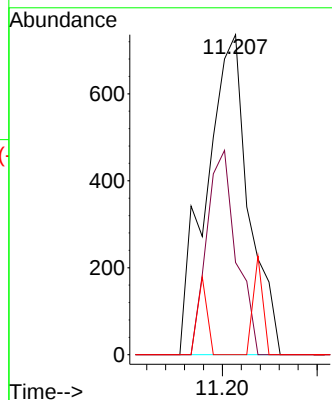
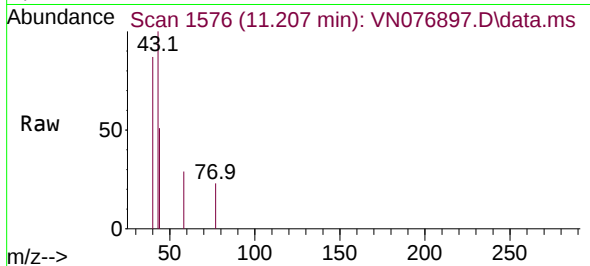




#59
2-Hexanone
Concen: 0.294 ug/l
RT: 11.207 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

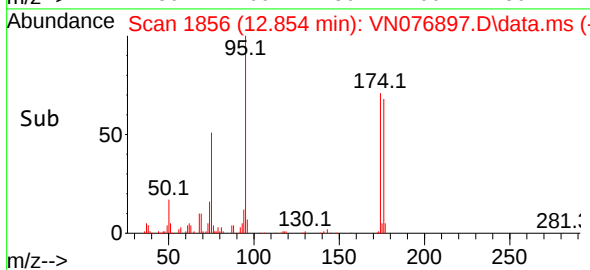
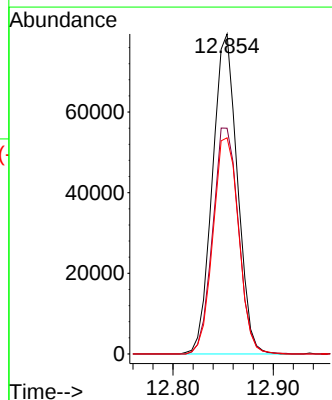
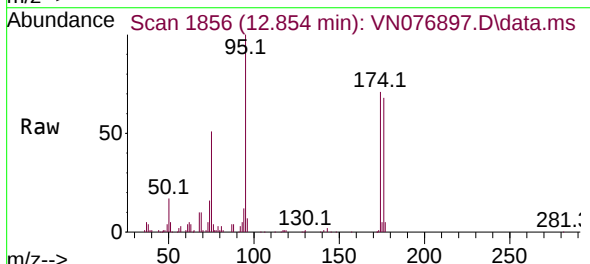
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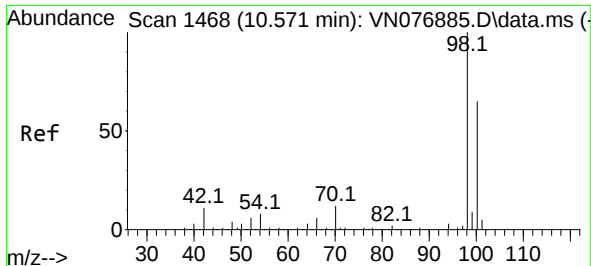
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 44.6 40.6 60.8
57 0.0 13.1 19.7#



#60
4-Bromofluorobenzene
Concen: 26.616 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

Tgt Ion: 95 Resp: 137275
Ion Ratio Lower Upper
95 100
174 72.9 64.2 96.4
176 69.7 61.4 92.0

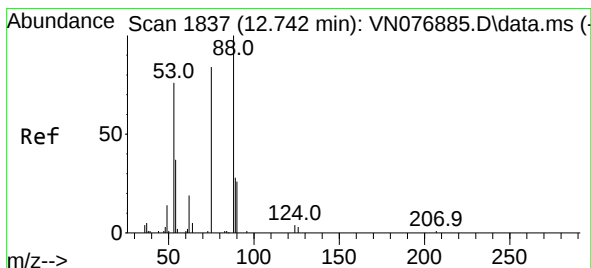
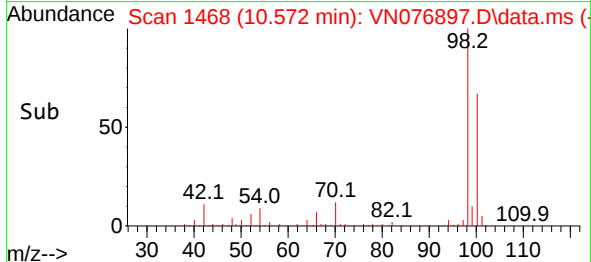
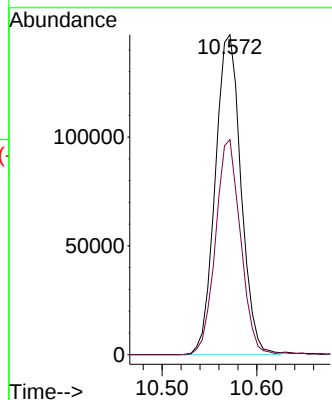
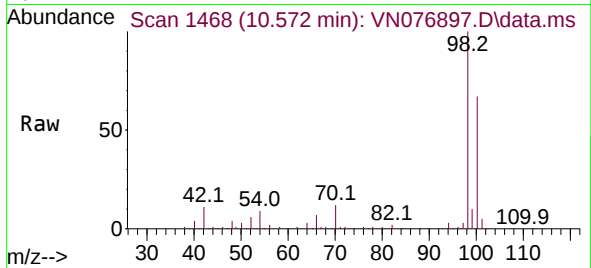




#63
Toluene-d8
Concen: 28.972 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

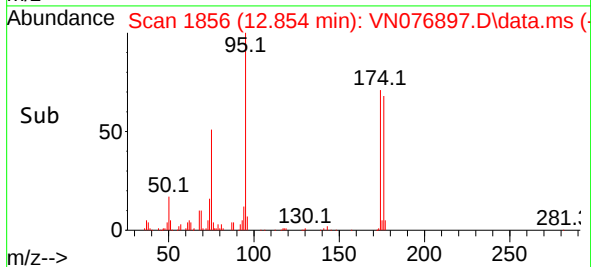
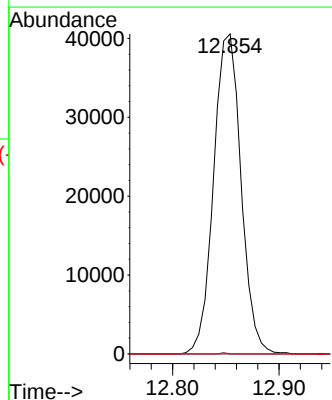
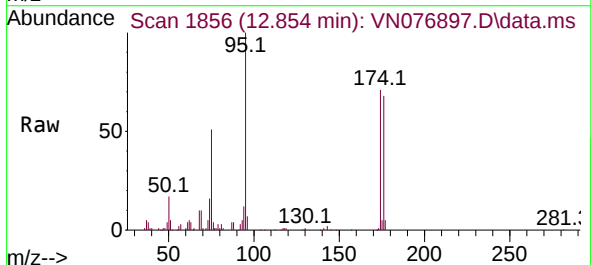
Instrument :
MSVOA_N
ClientSampleId :
IBLK

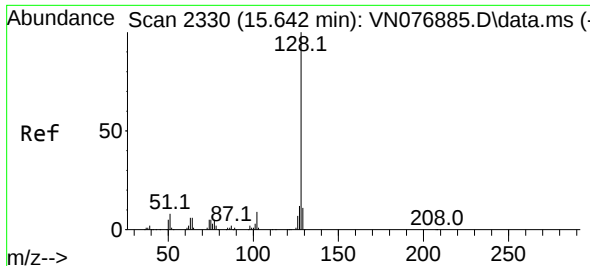
Tgt Ion: 98 Resp: 277693
Ion Ratio Lower Upper
98 100
100 65.2 53.8 80.6



#77
t-1,4-Dichloro-2-butene
Concen: 43.725 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

Tgt Ion: 75 Resp: 72422
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#

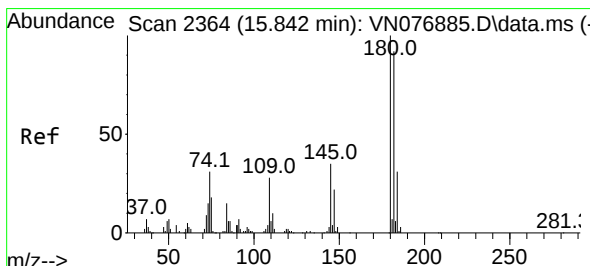
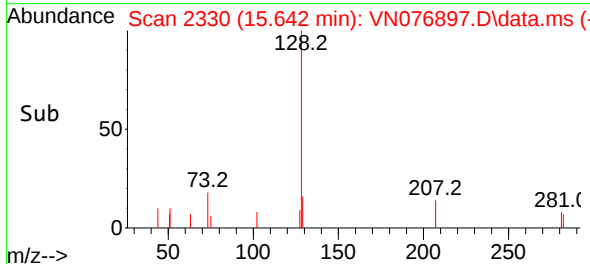
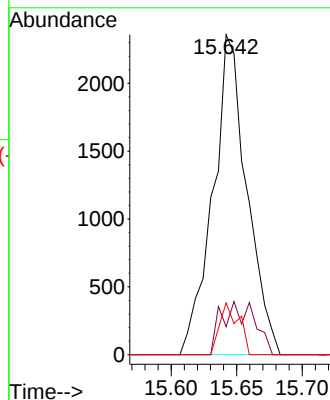
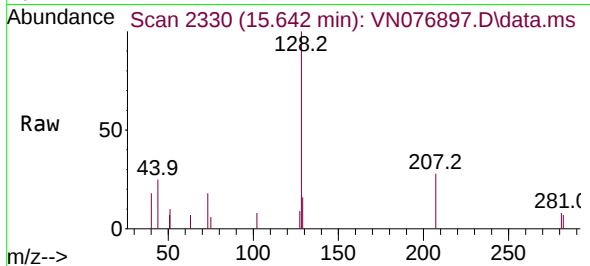




#91
Naphthalene
Concen: 0.307 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	4248
Ion	Ratio	Lower	Upper
128	100		
127	15.9	11.0	16.6
129	9.1	8.9	13.3



#92
1,2,3-Trichlorobenzene
Concen: 0.311 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN076897.D
Acq: 09 Mar 2023 12:51

Tgt Ion:	180	Resp:	1359
Ion	Ratio	Lower	Upper
180	100		
182	47.1	0.0	190.8
145	5.2	0.0	65.0

