

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078752.D
 Acq On : 03 Aug 2023 14:55
 Operator : JC\MD
 Sample : 03884-04DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(JULY)DL

Quant Time: Aug 04 06:31:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

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

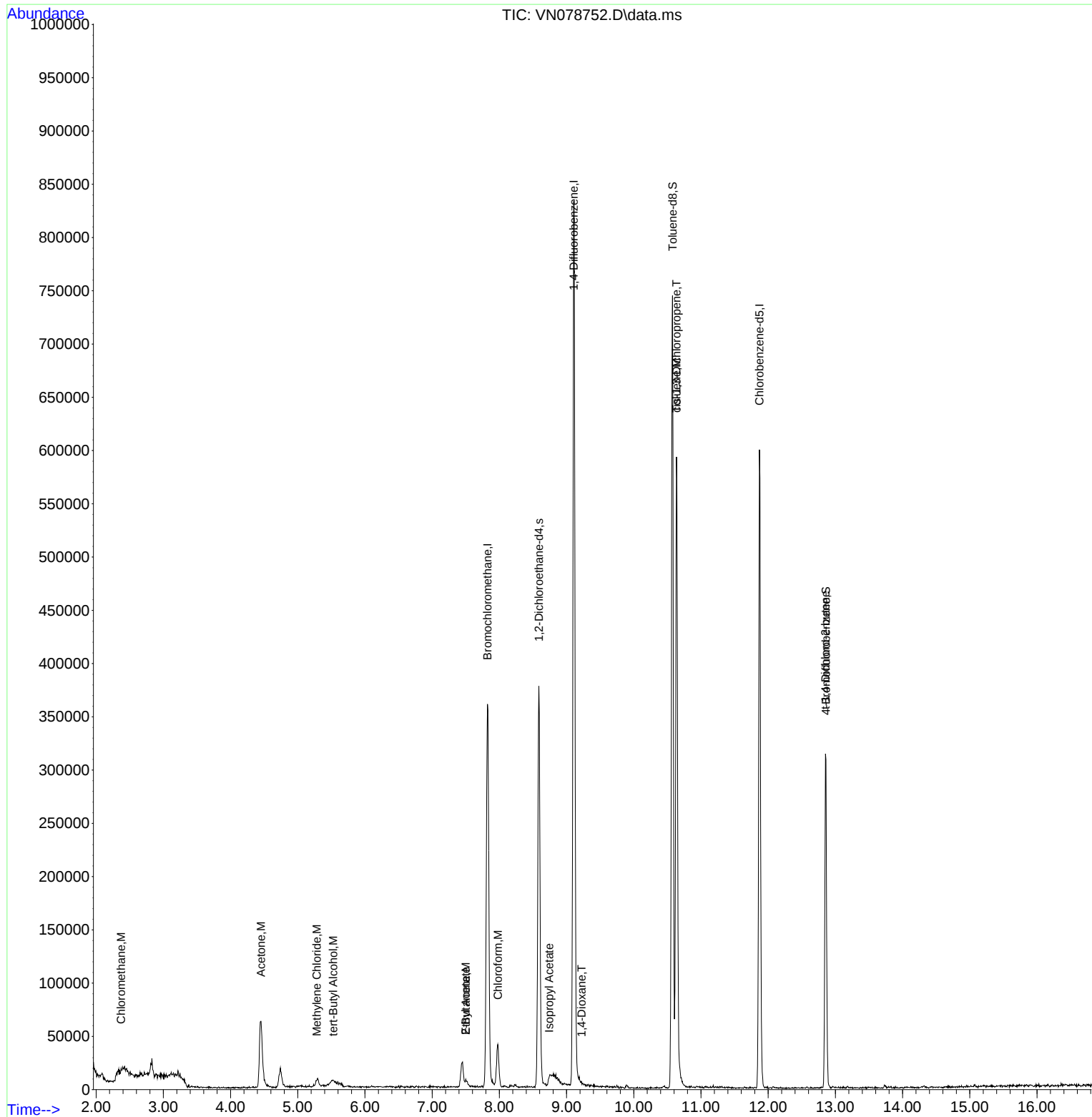
Internal Standards						
1) Bromochloromethane	7.824	128	136483	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	745844	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	369128	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	311288	30.427	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.433%
60) 4-Bromofluorobenzene	12.859	95	107062	19.353	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	64.500%
63) Toluene-d8	10.577	98	550218	30.174	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.567%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2201	0.208	ug/l #	83
15) Acetone	4.453	58	42144	40.276	ug/l	77
18) Methylene Chloride	5.283	84	3052	0.335	ug/l #	80
23) tert-Butyl Alcohol	5.530	59	1607	1.089	ug/l #	100
25) Chloroform	7.977	83	39048	2.383	ug/l	97
30) 2-Butanone	7.500	43	3890	0.897	ug/l #	63
43) Ethyl Acetate	7.500	43	3890	0.434	ug/l	96
44) Isopropyl Acetate	8.741	43	5545	0.352	ug/l #	51
45) 1,4-Dioxane	9.224	88	194	1.340	ug/l #	15
49) cis-1,3-Dichloropropene	10.635	75	3835	0.277	ug/l #	1
62) Toluene	10.635	91	475764	21.427	ug/l	99
77) t-1,4-Dichloro-2-butene	12.853	75	58821	28.705	ug/l #	15

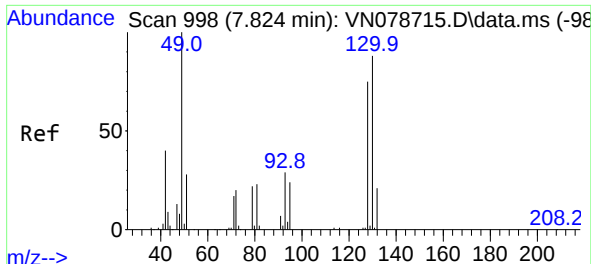
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002-35TH-AVE-(JULY)DL

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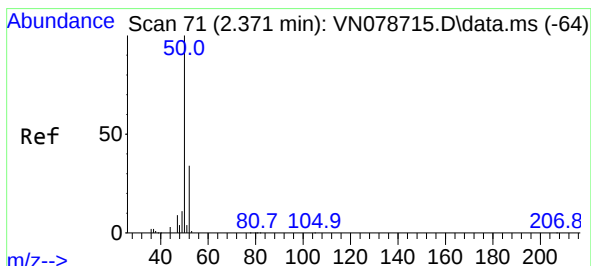
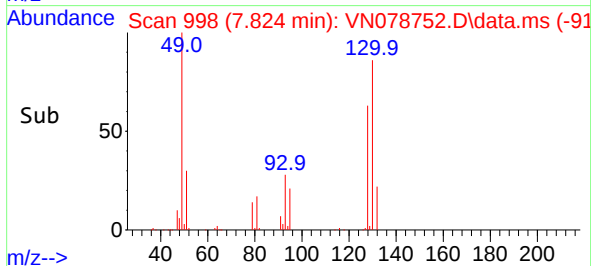
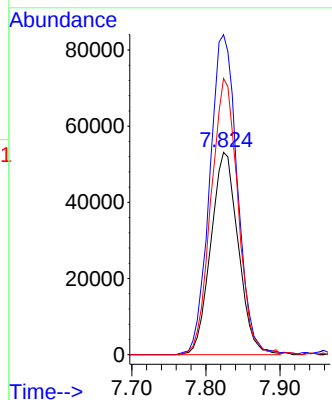
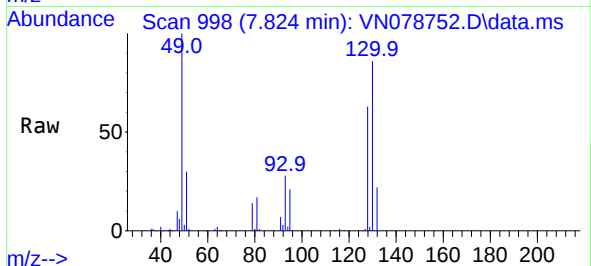




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

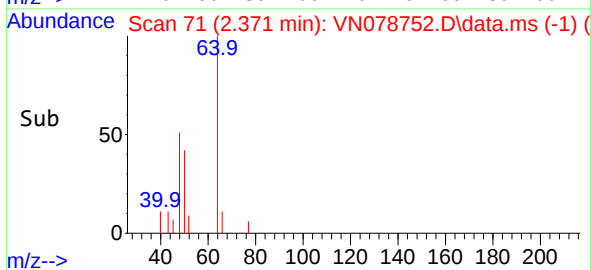
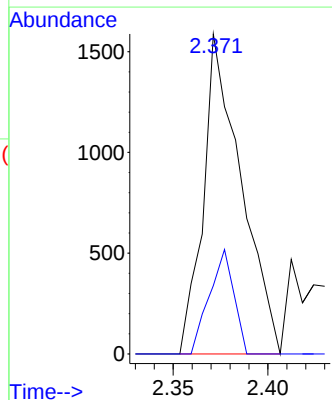
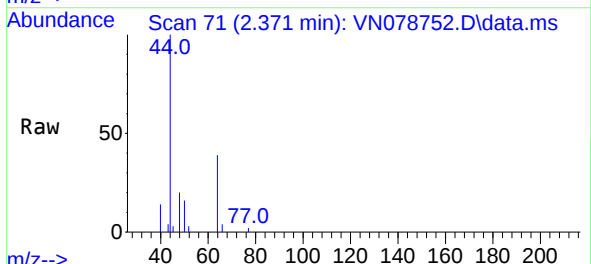
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(JULY)DL

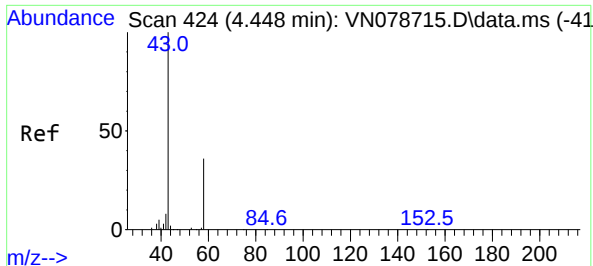
Tgt Ion:128 Resp: 136483
Ion Ratio Lower Upper
128 100
49 159.7 0.0 370.8
130 133.6 0.0 307.0



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 50 Resp: 2201
Ion Ratio Lower Upper
50 100
52 21.3 24.6 36.8#





#15

Acetone

Concen: 40.276 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN078752.D

Acq: 03 Aug 2023 14:55

Instrument :

MSVOA_N

ClientSampleId :

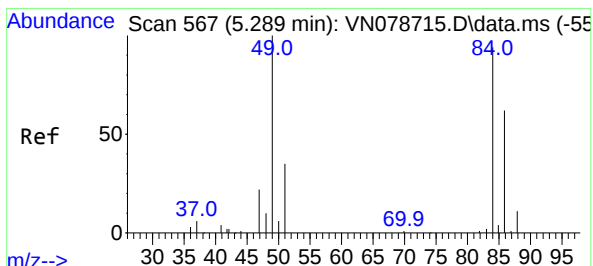
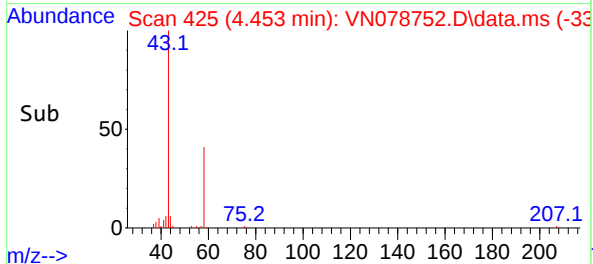
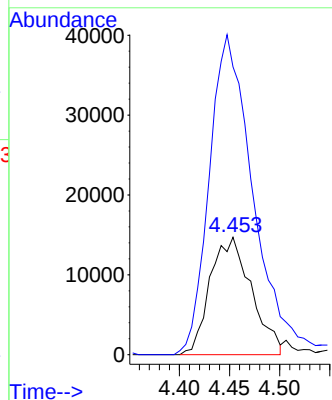
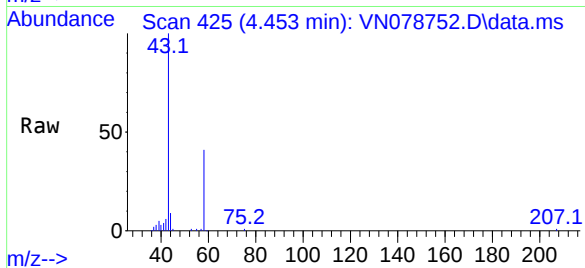
002-35TH-AVE-(JULY)DL

Tgt Ion: 58 Resp: 42144

Ion Ratio Lower Upper

58 100

43 241.6 227.5 341.3



#18

Methylene Chloride

Concen: 0.335 ug/l

RT: 5.283 min Scan# 566

Delta R.T. -0.006 min

Lab File: VN078752.D

Acq: 03 Aug 2023 14:55

Tgt Ion: 84 Resp: 3052

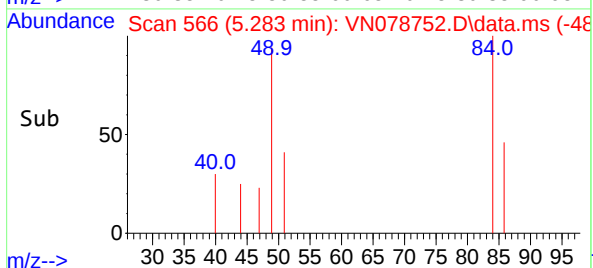
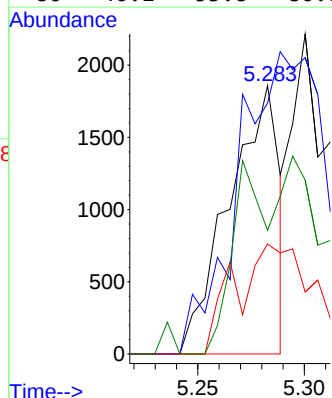
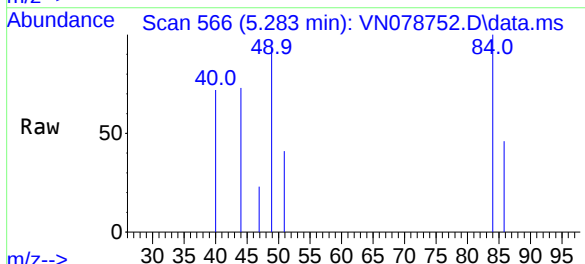
Ion Ratio Lower Upper

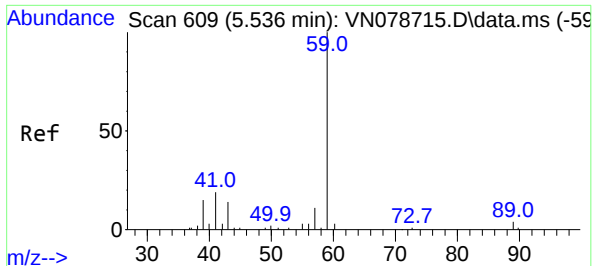
84 100

49 93.5 88.1 132.1

51 41.0 24.0 36.0#

86 46.1 53.8 80.8#

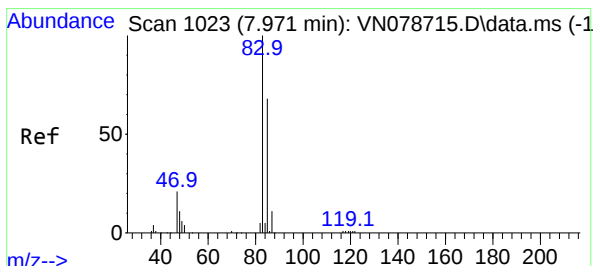
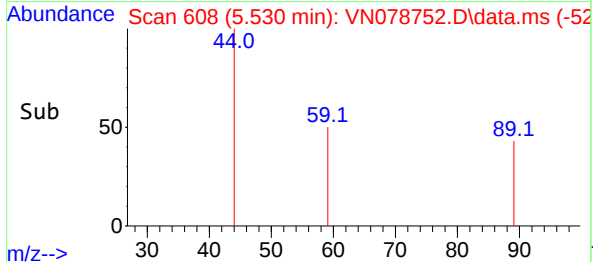
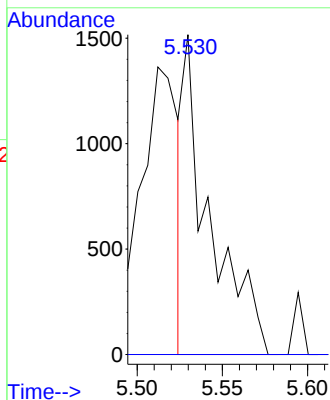
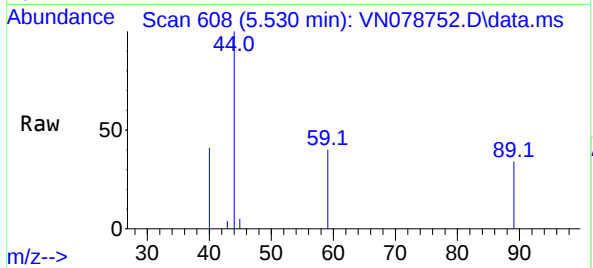




#23
tert-Butyl Alcohol
Concen: 1.089 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

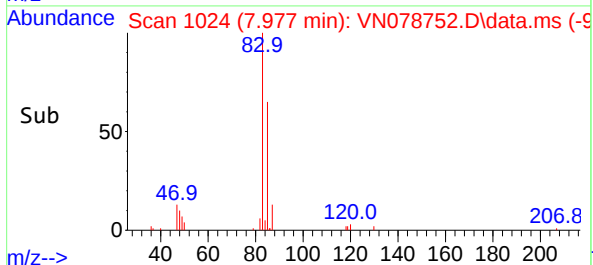
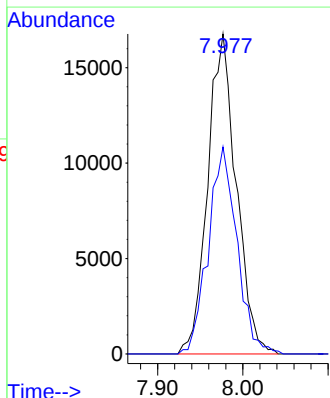
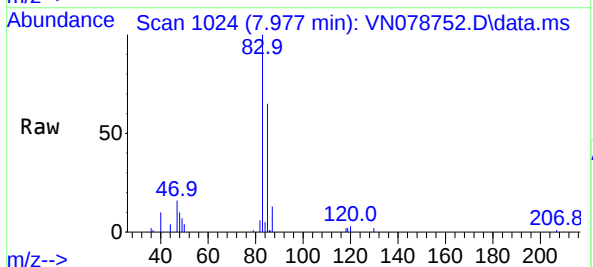
Instrument :
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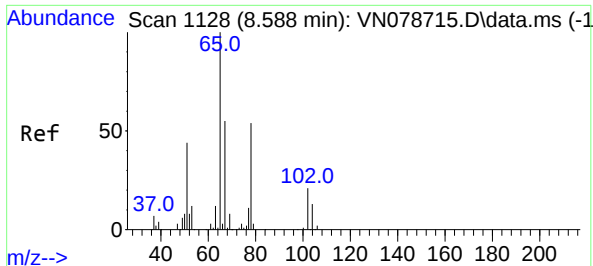
Tgt Ion: 59 Resp: 1607
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#25
Chloroform
Concen: 2.383 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 83 Resp: 39048
Ion Ratio Lower Upper
83 100
85 64.7 53.4 80.0

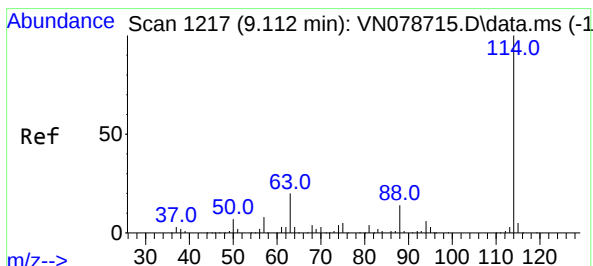
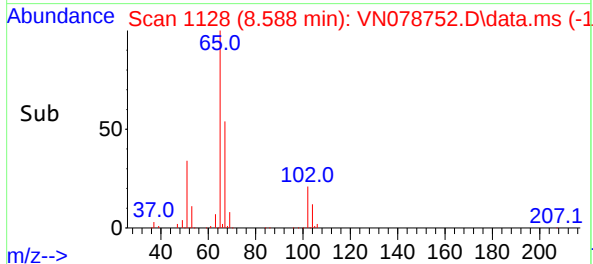
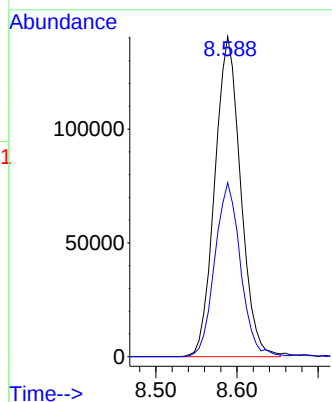
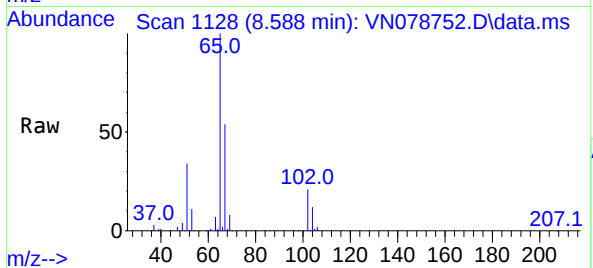




#27
1,2-Dichloroethane-d4
Concen: 30.427 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

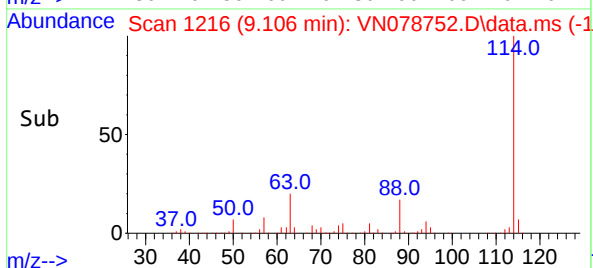
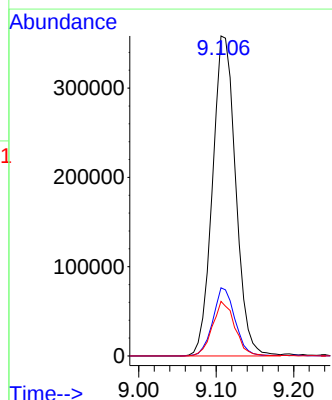
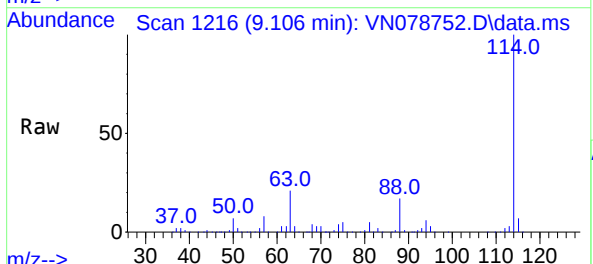
Instrument :
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ClientSampleId :
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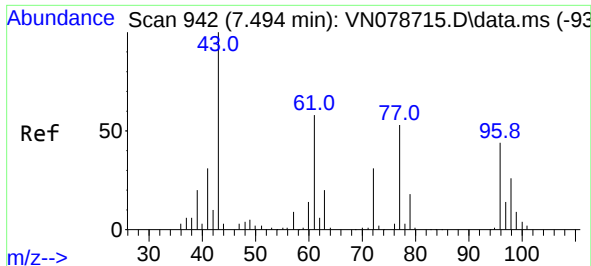
Tgt Ion: 65 Resp: 311288
Ion Ratio Lower Upper
65 100
67 54.1 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 114 Resp: 745844
Ion Ratio Lower Upper
114 100
63 20.3 15.2 22.8
88 16.5 12.5 18.7

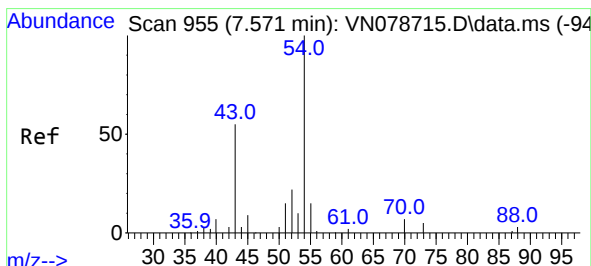
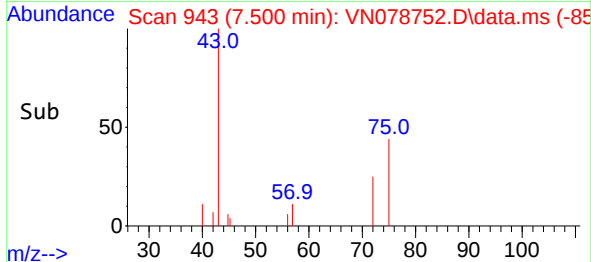
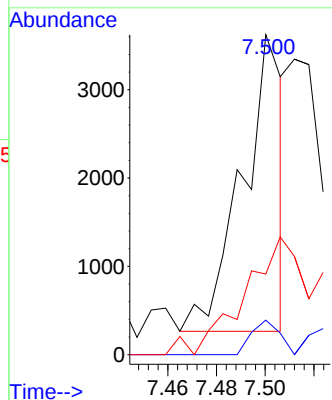
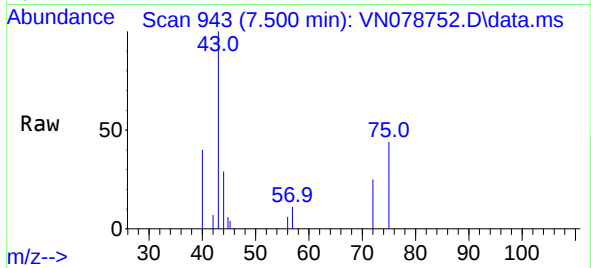




#30
2-Butanone
Concen: 0.897 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

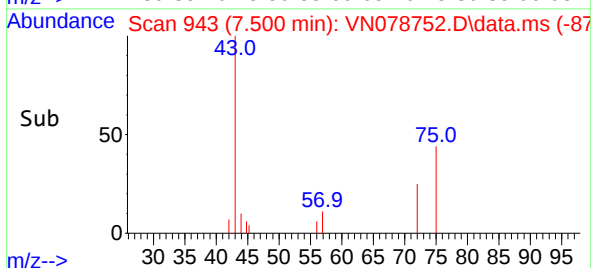
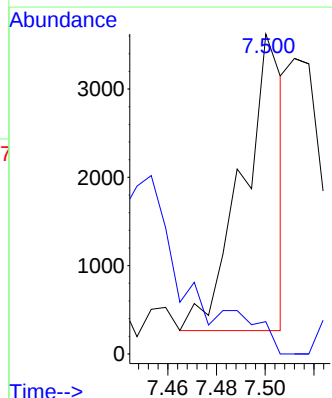
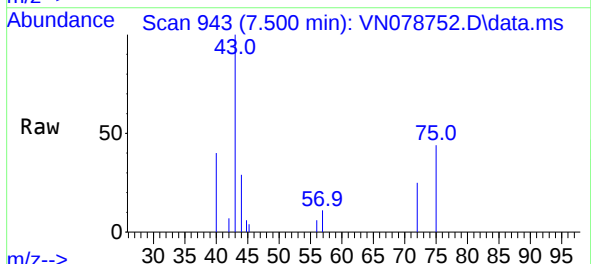
Instrument :
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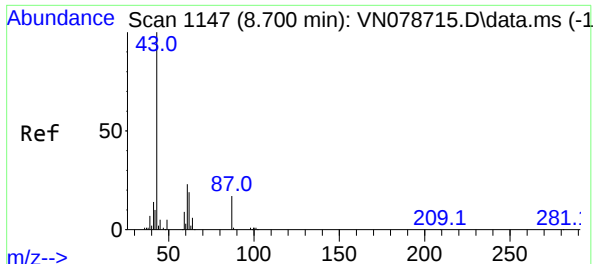
Tgt Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
57 8.1 6.8 10.2
72 55.1 23.8 35.6#



#43
Ethyl Acetate
Concen: 0.434 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.071 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
45 15.2 10.9 16.3

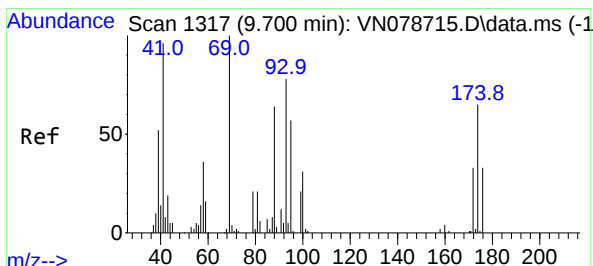
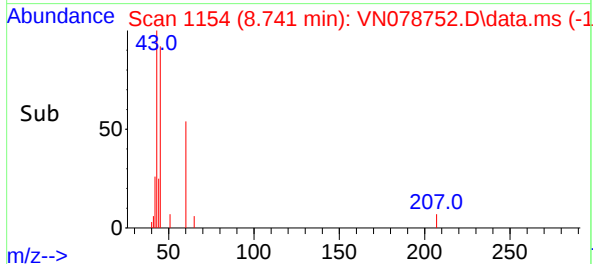
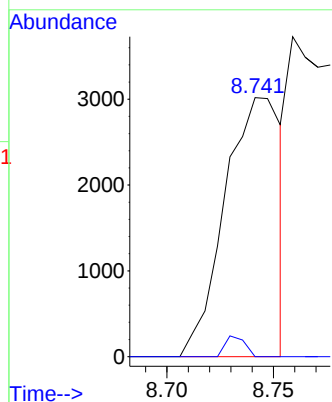
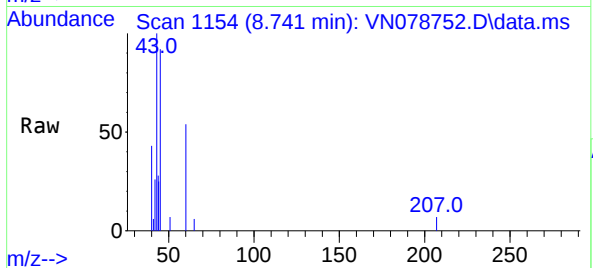




#44
Isopropyl Acetate
Concen: 0.352 ug/l
RT: 8.741 min Scan# 1147
Delta R.T. 0.041 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

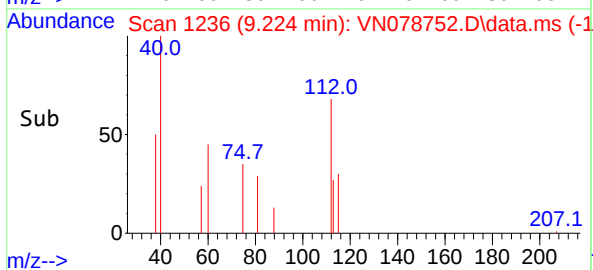
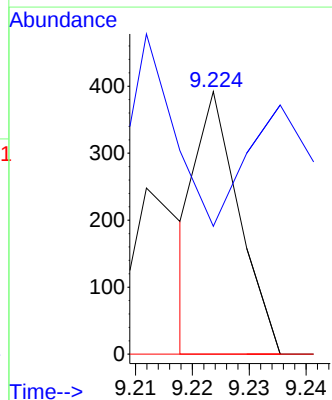
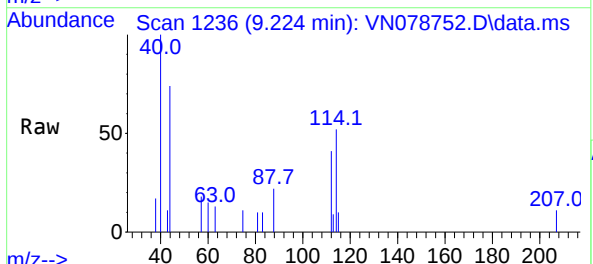
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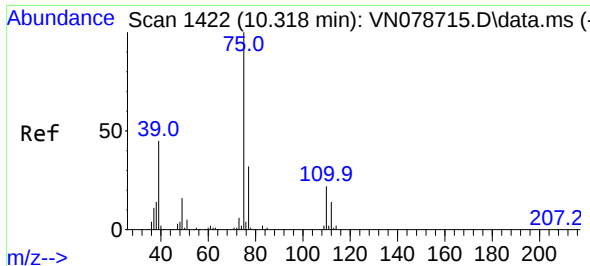
Tgt Ion: 43 Resp: 5545
Ion Ratio Lower Upper
43 100
61 2.8 23.0 34.6#



#45
1,4-Dioxane
Concen: 1.340 ug/l
RT: 9.224 min Scan# 1236
Delta R.T. -0.476 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 88 Resp: 194
Ion Ratio Lower Upper
88 100
43 71.6 19.0 28.6#
58 0.0 48.2 72.2#

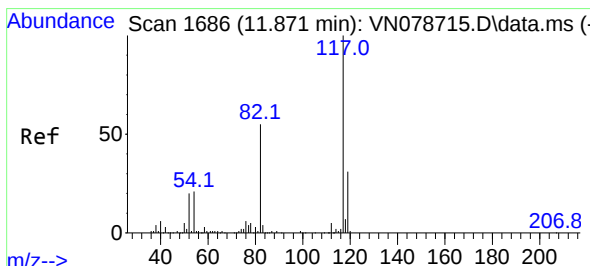
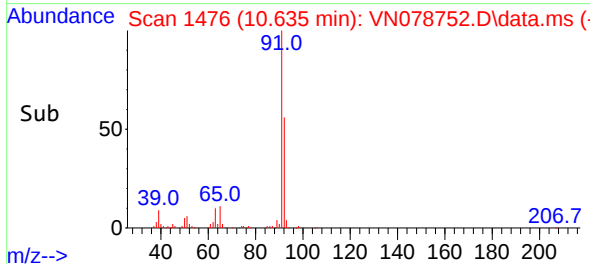
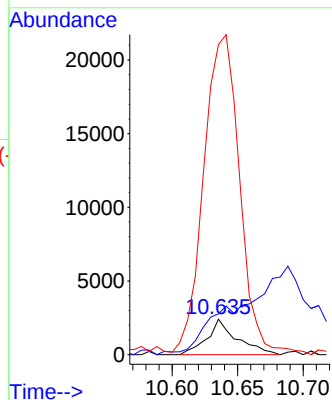
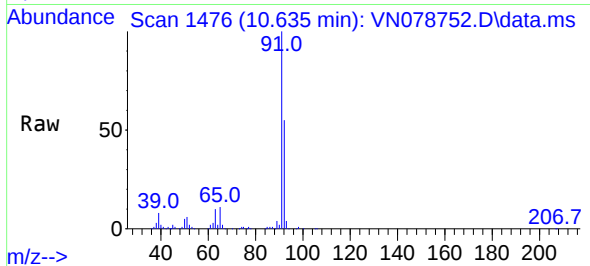




#49
cis-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.635 min Scan# 1422
Delta R.T. 0.318 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

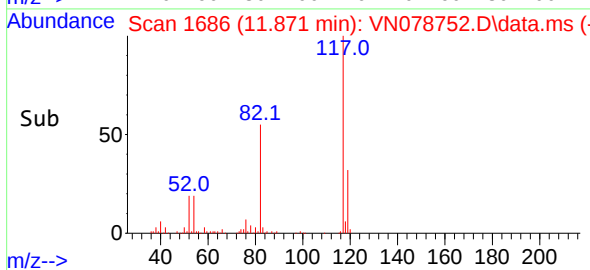
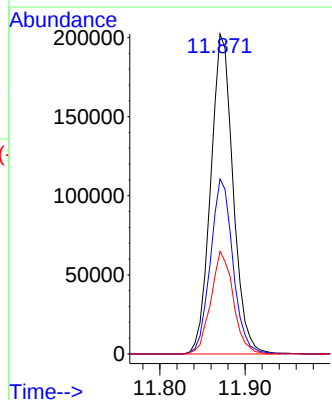
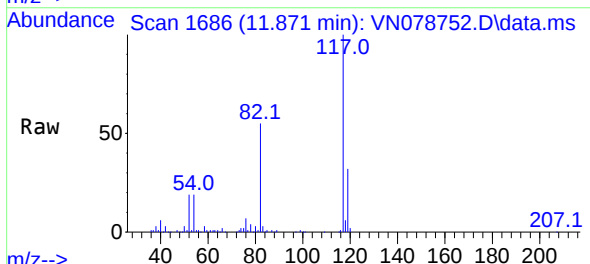
Instrument :
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002-35TH-AVE-(JULY)DL

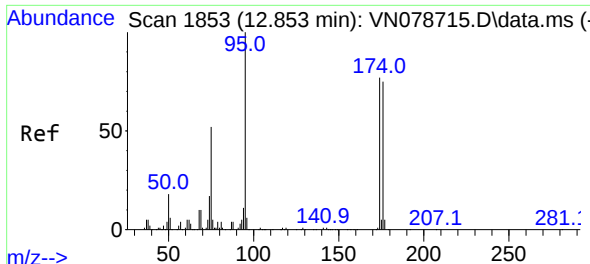
Tgt Ion: 75 Resp: 3835
Ion Ratio Lower Upper
75 100
77 106.6 24.0 36.0#
39 853.6 35.1 52.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 117 Resp: 369128
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 32.1 26.2 39.4

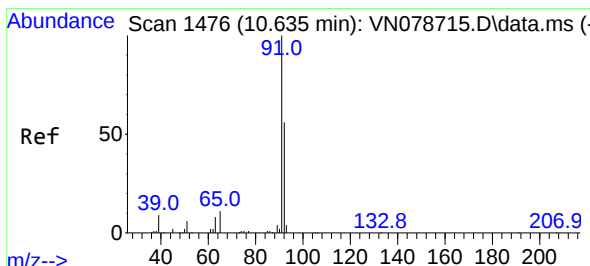
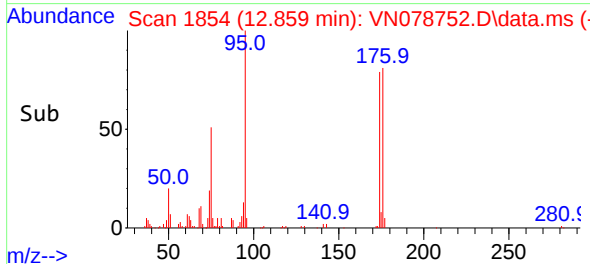
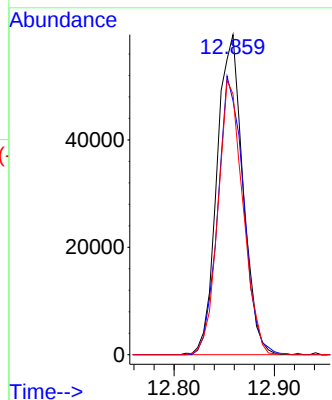
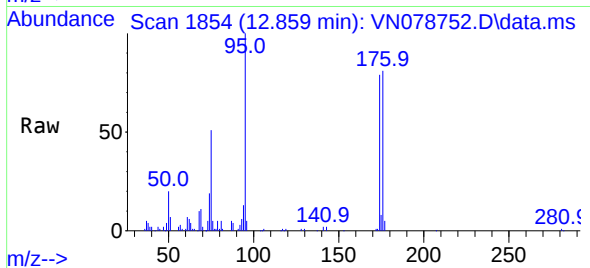




#60
4-Bromofluorobenzene
Concen: 19.353 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

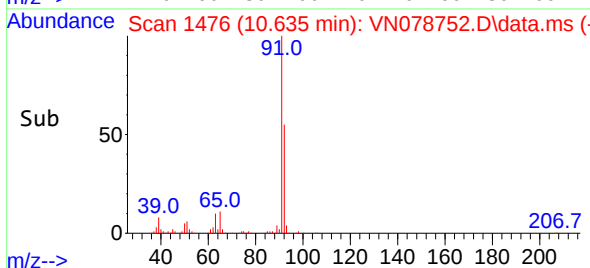
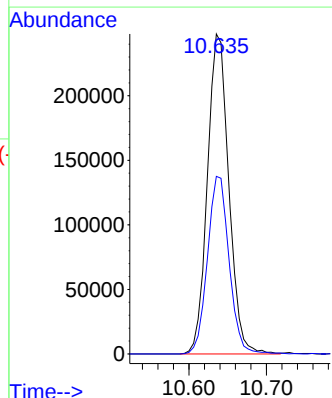
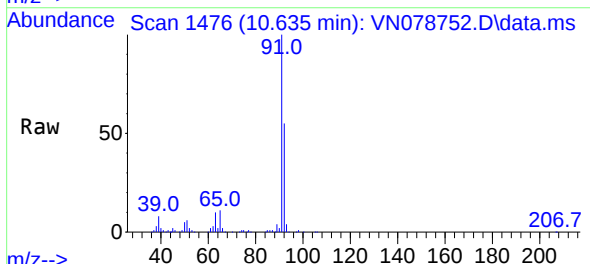
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(JULY)DL

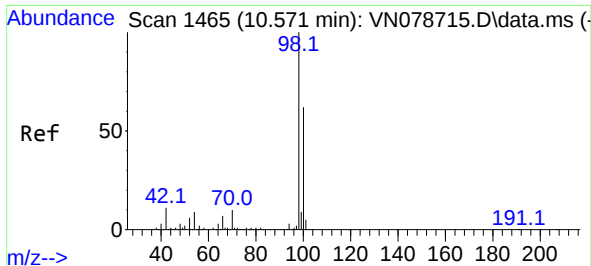
Tgt Ion: 95 Resp: 107062
Ion Ratio Lower Upper
95 100
174 86.3 61.7 92.5
176 82.5 58.1 87.1



#62
Toluene
Concen: 21.427 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 91 Resp: 475764
Ion Ratio Lower Upper
91 100
92 56.0 45.2 67.8

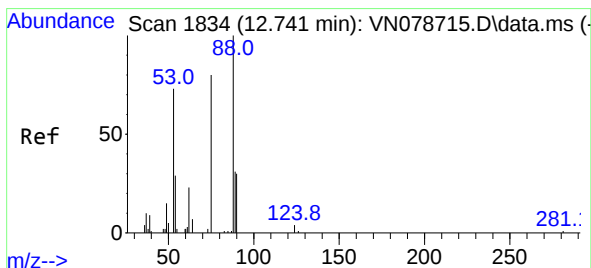
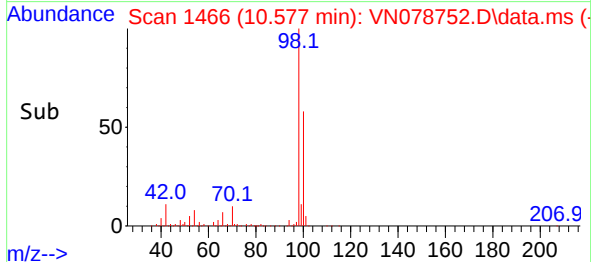
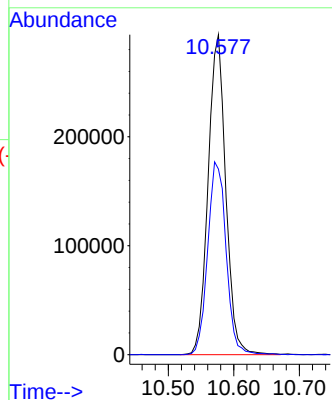
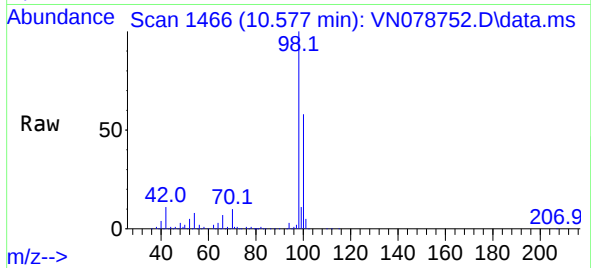




#63
Toluene-d8
Concen: 30.174 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(JULY)DL

Tgt Ion: 98 Resp: 550218
Ion Ratio Lower Upper
98 100
100 62.5 49.7 74.5



#77
t-1,4-Dichloro-2-butene
Concen: 28.705 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078752.D
Acq: 03 Aug 2023 14:55

Tgt Ion: 75 Resp: 58821
Ion Ratio Lower Upper
75 100
53 0.5 41.6 124.9#
89 0.0 25.1 75.4#

