

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078750.D
 Acq On : 03 Aug 2023 14:07
 Operator : JC\MD
 Sample : 03884-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 04 06:31:03 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)

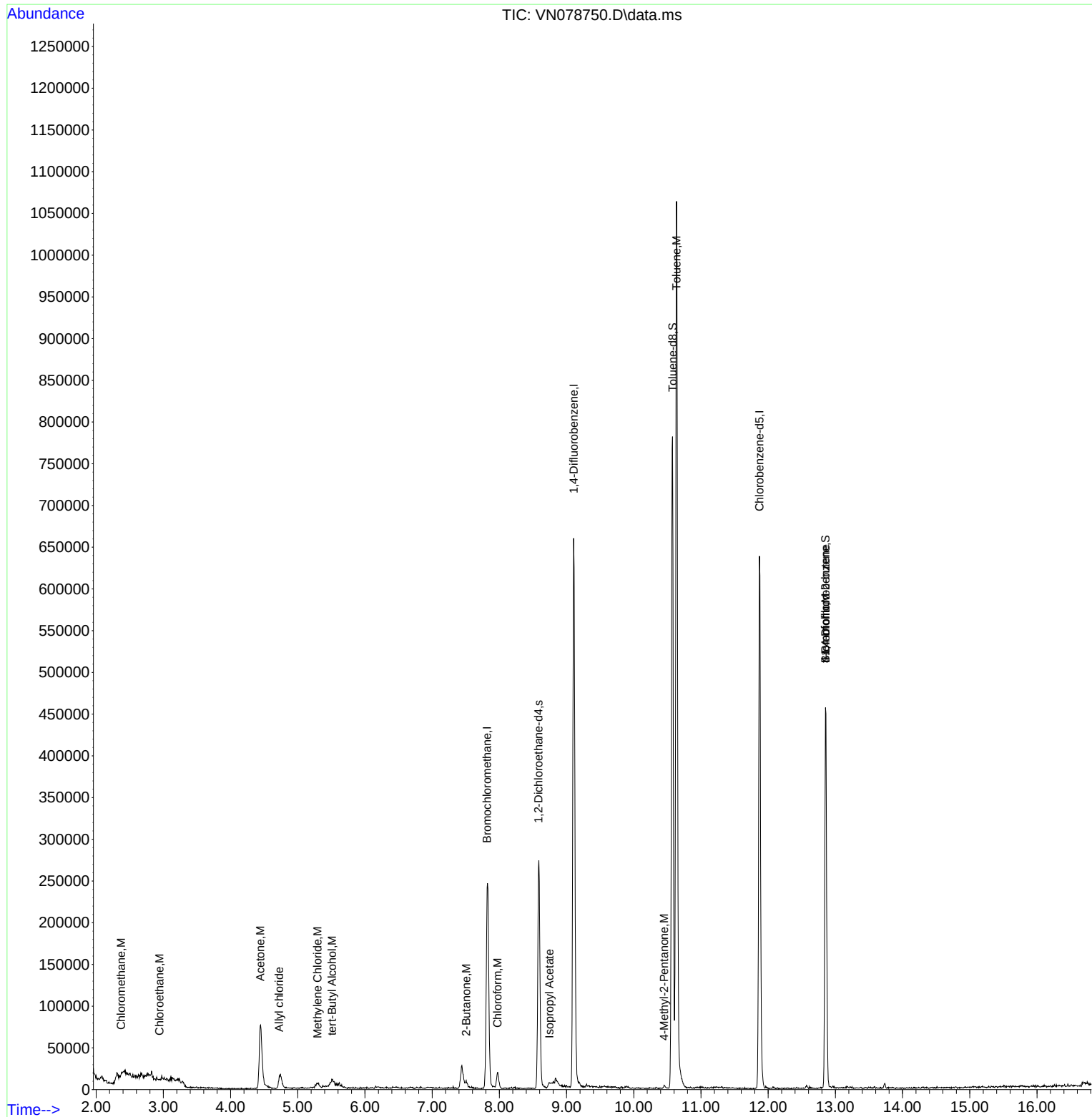
Internal Standards						
1) Bromochloromethane	7.818	128	93572	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	580962	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	402998	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	226246	32.256	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	107.533%		
60) 4-Bromofluorobenzene	12.853	95	173827	28.782	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.933%		
63) Toluene-d8	10.576	98	581313	29.200	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.333%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2238	0.308	ug/l #	88
6) Chloroethane	2.942	64	3224	0.501	ug/l	96
15) Acetone	4.442	58	45992	64.110	ug/l	97
17) Allyl chloride	4.724	41	1741	0.245	ug/l	81
18) Methylene Chloride	5.294	84	3431	0.549	ug/l #	67
23) tert-Butyl Alcohol	5.512	59	4137	4.089	ug/l #	100
25) Chloroform	7.971	83	17077	1.520	ug/l	93
30) 2-Butanone	7.506	43	13606	4.026	ug/l #	74
44) Isopropyl Acetate	8.747	43	3514	0.287	ug/l #	46
56) Bromoform	12.853	173	1608	0.323	ug/l #	1
58) 4-Methyl-2-Pentanone	10.453	43	2338	0.388	ug/l #	88
62) Toluene	10.635	91	831801	34.314	ug/l	99
77) t-1,4-Dichloro-2-butene	12.853	75	91159	40.747	ug/l #	15

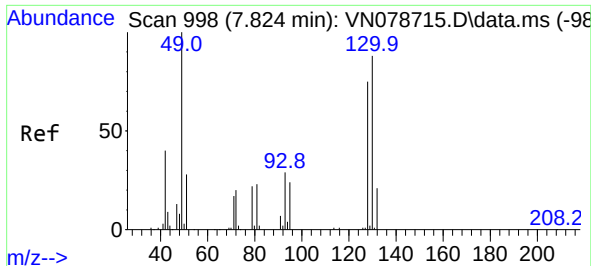
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
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Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

Quant Time: Aug 04 06:31:03 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
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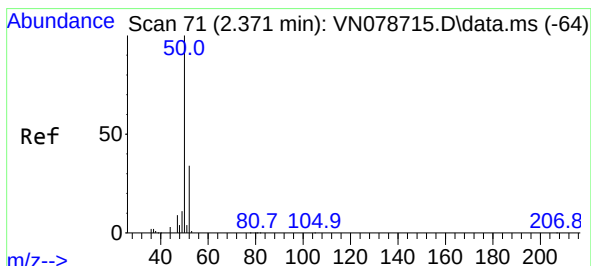
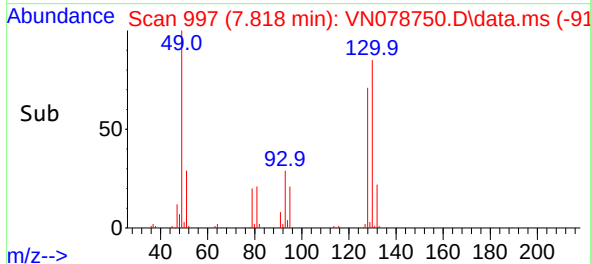
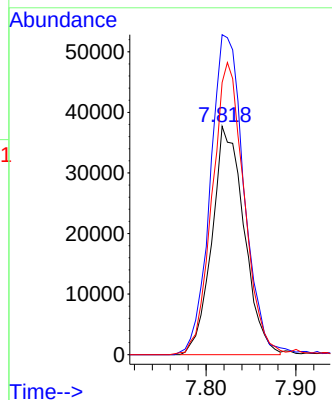
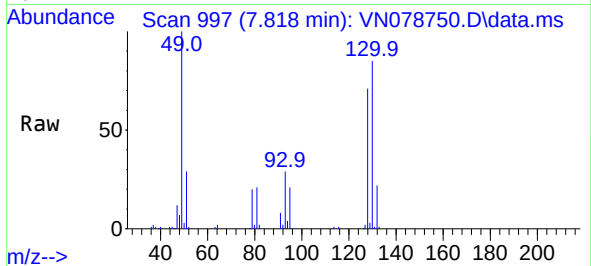




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

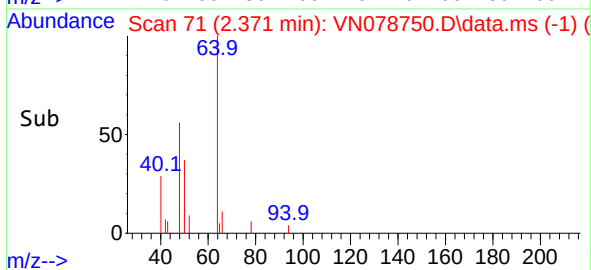
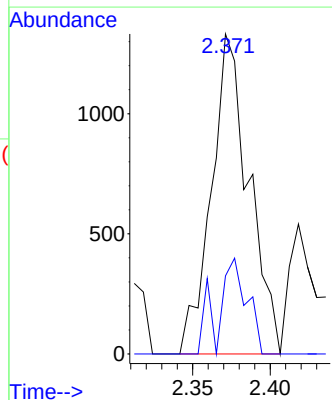
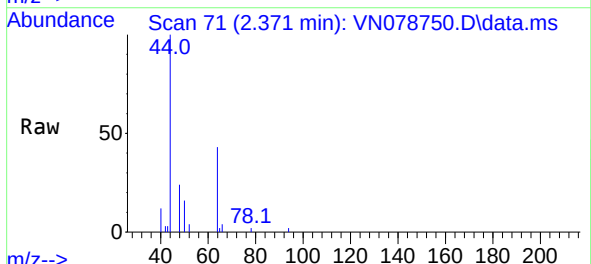
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

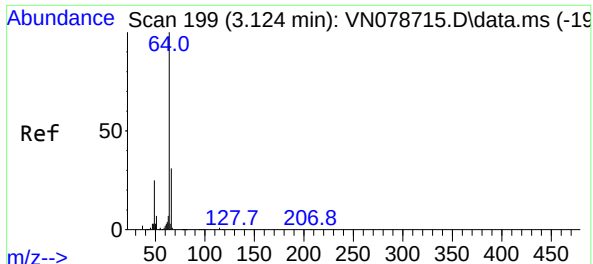
Tgt Ion:128 Resp: 93572
Ion Ratio Lower Upper
128 100
49 146.9 0.0 370.8
130 125.7 0.0 307.0



#3
Chloromethane
Concen: 0.308 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

Tgt Ion: 50 Resp: 2238
Ion Ratio Lower Upper
50 100
52 24.4 24.6 36.8#

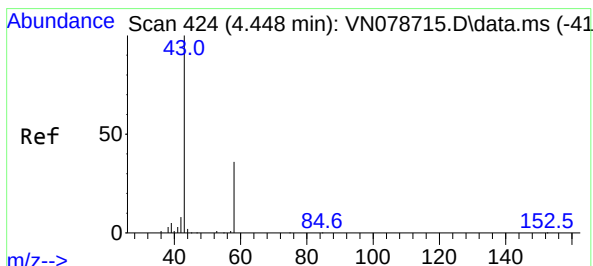
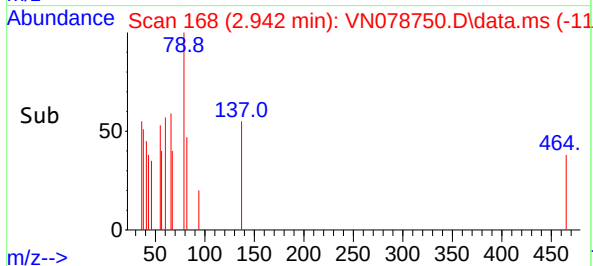
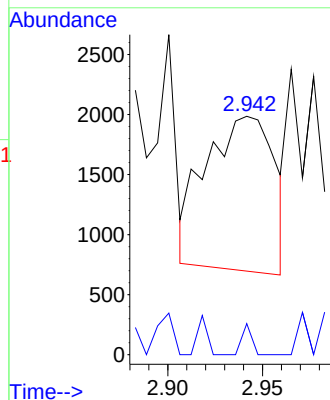
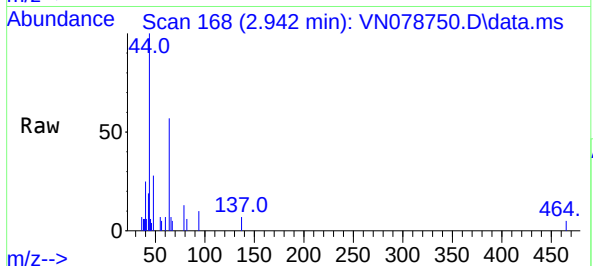




#6
Chloroethane
Concen: 0.501 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.182 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

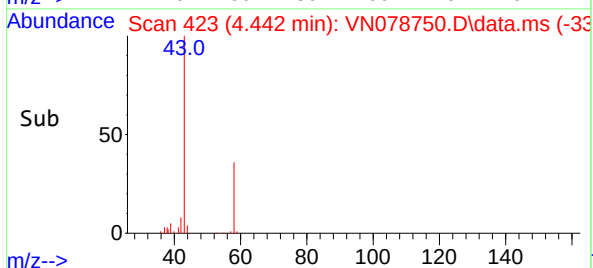
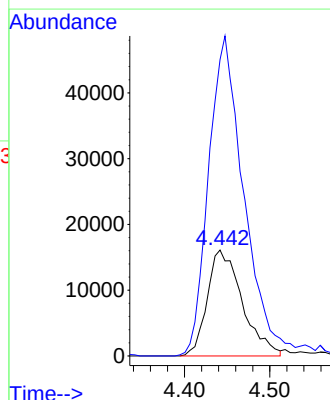
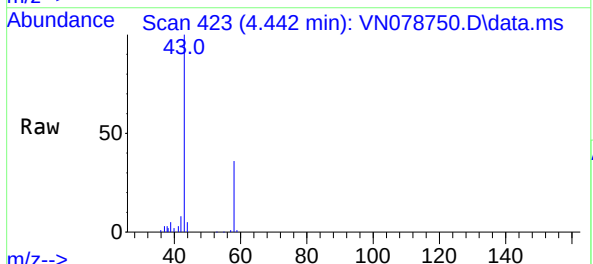
Instrument :
MSVOA_N
ClientSampleId :
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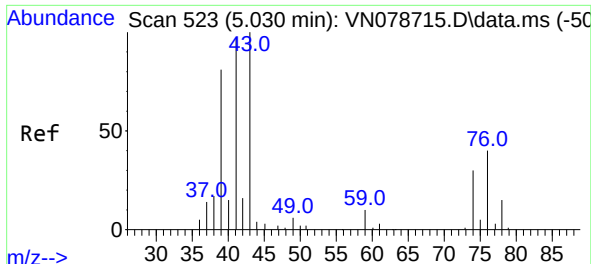
Tgt Ion: 64 Resp: 3224
Ion Ratio Lower Upper
64 100
66 30.0 25.7 38.5



#15
Acetone
Concen: 64.110 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

Tgt Ion: 58 Resp: 45992
Ion Ratio Lower Upper
58 100
43 278.5 227.5 341.3





#17

Allyl chloride

Concen: 0.245 ug/l

RT: 4.724 min Scan# 41

Delta R.T. -0.306 min

Lab File: VN078750.D

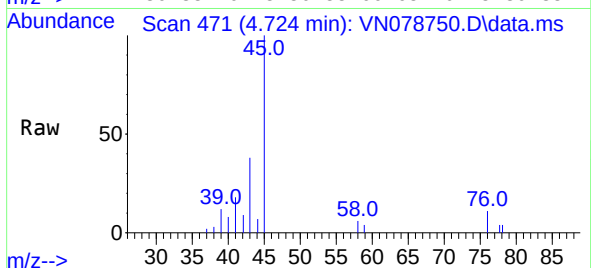
Acq: 03 Aug 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUNE)DL



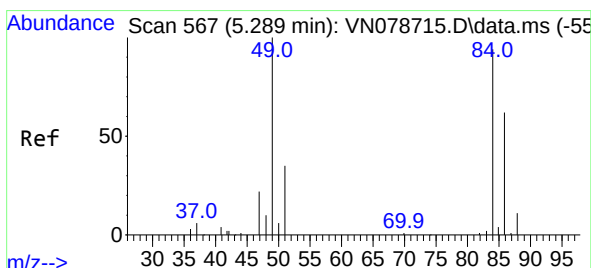
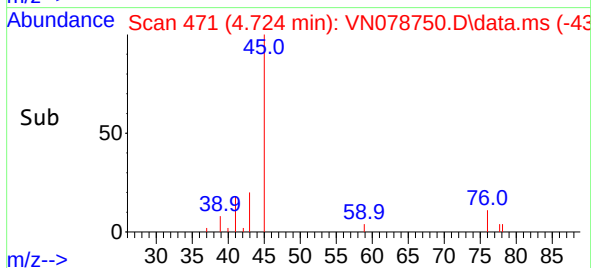
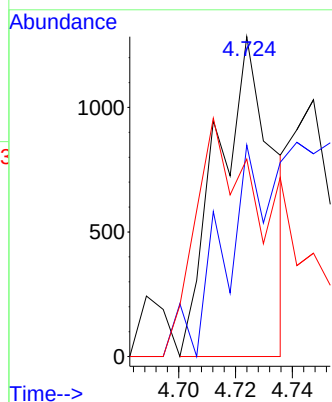
Tgt Ion: 41 Resp: 1741

Ion Ratio Lower Upper

41 100

39 49.6 37.6 112.8

76 45.7 23.8 71.4



#18

Methylene Chloride

Concen: 0.549 ug/l

RT: 5.294 min Scan# 568

Delta R.T. 0.006 min

Lab File: VN078750.D

Acq: 03 Aug 2023 14:07

Tgt Ion: 84 Resp: 3431

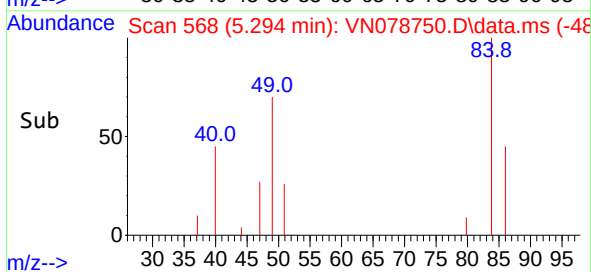
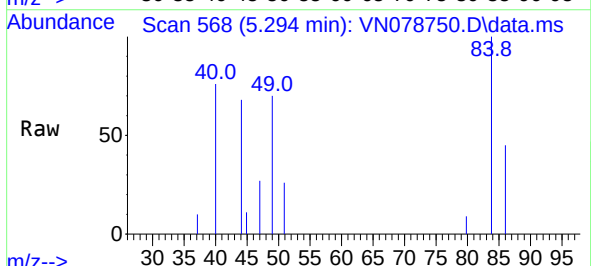
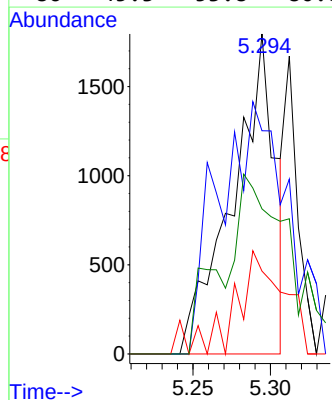
Ion Ratio Lower Upper

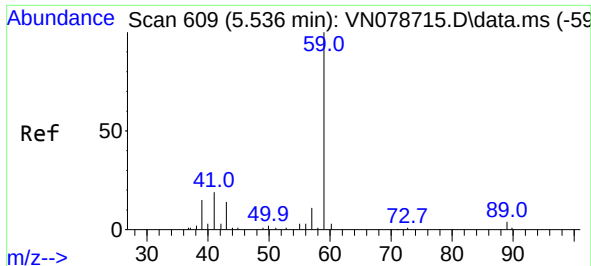
84 100

49 69.7 88.1 132.1#

51 15.4 24.0 36.0#

86 45.3 53.8 80.8#

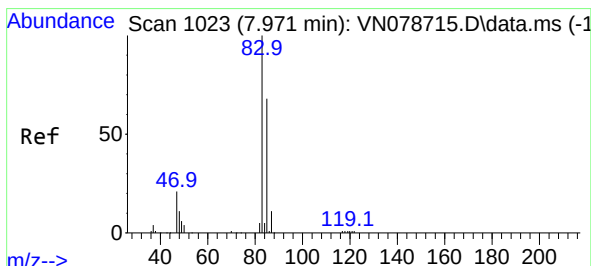
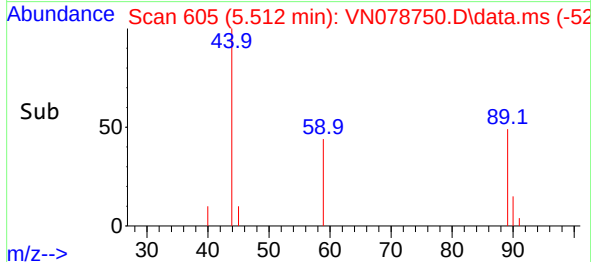
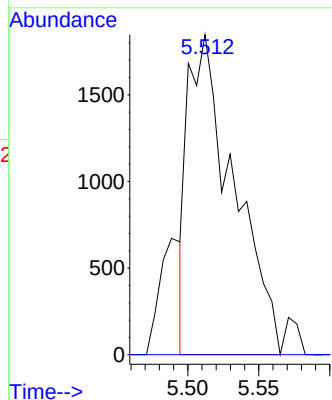
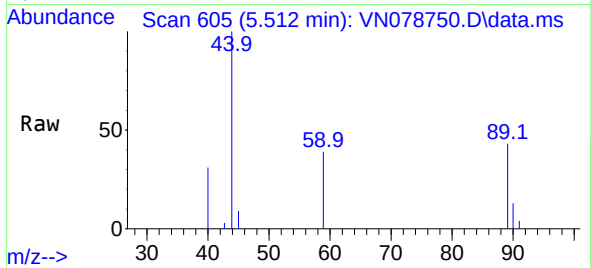




#23
tert-Butyl Alcohol
Concen: 4.089 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

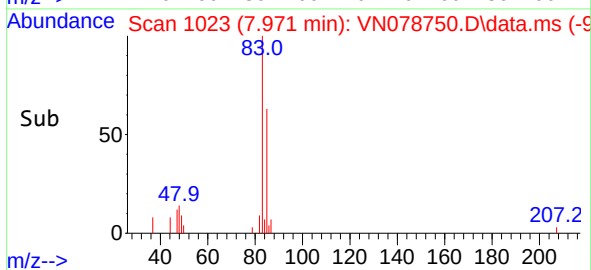
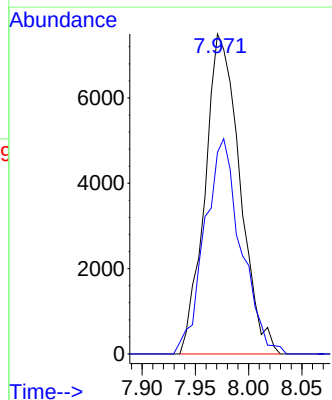
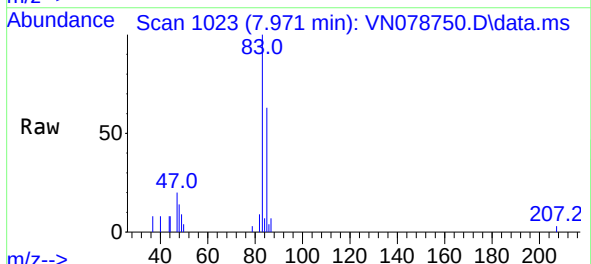
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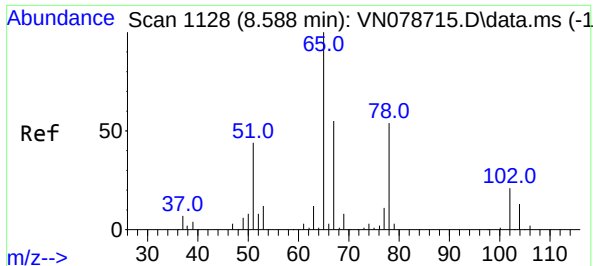
Tgt Ion: 59 Resp: 4137
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#25
Chloroform
Concen: 1.520 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

Tgt Ion: 83 Resp: 17077
Ion Ratio Lower Upper
83 100
85 60.7 53.4 80.0

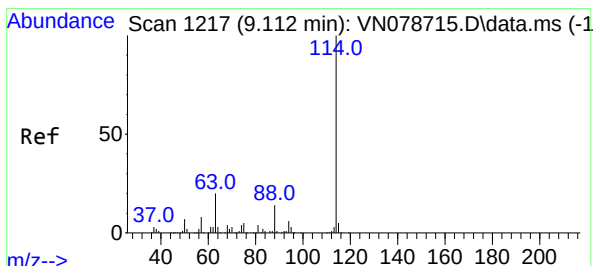
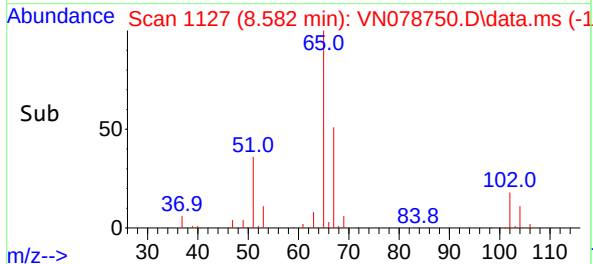
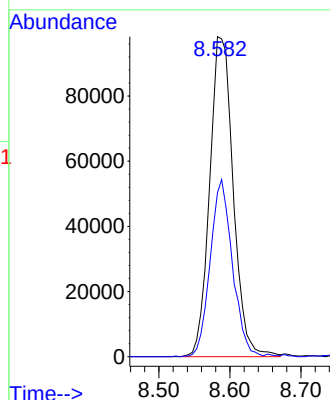
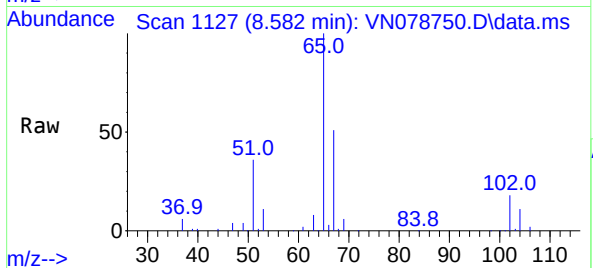




#27
1,2-Dichloroethane-d4
Concen: 32.256 ug/l
RT: 8.582 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

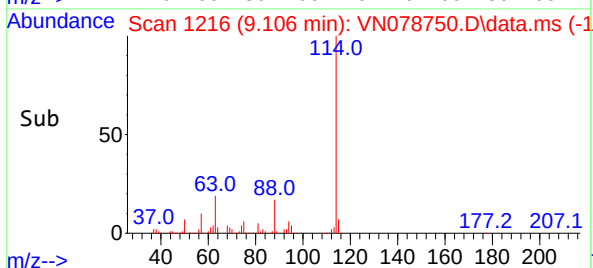
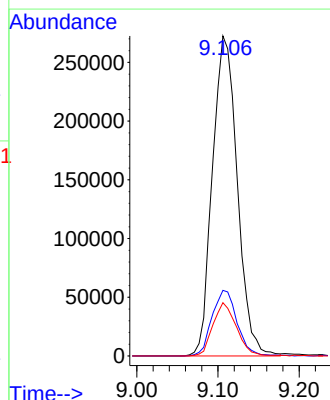
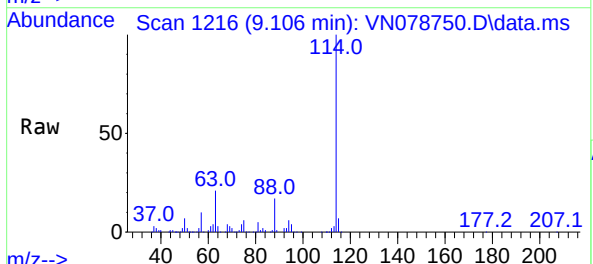
Instrument :
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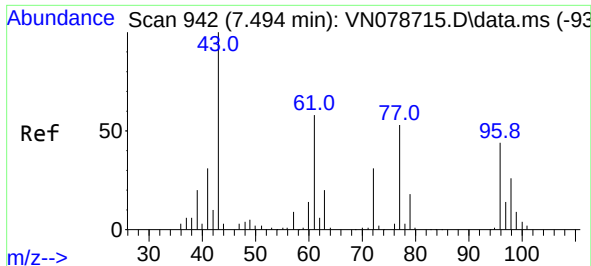
Tgt Ion: 65 Resp: 226246
Ion Ratio Lower Upper
65 100
67 52.1 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

Tgt Ion: 114 Resp: 580962
Ion Ratio Lower Upper
114 100
63 20.6 15.2 22.8
88 15.7 12.5 18.7

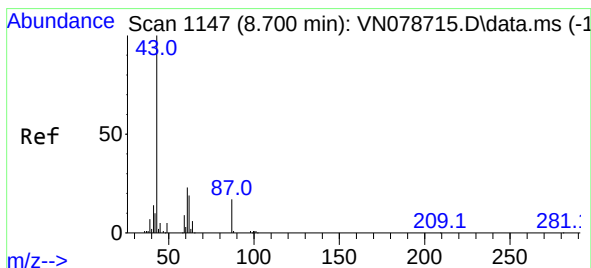
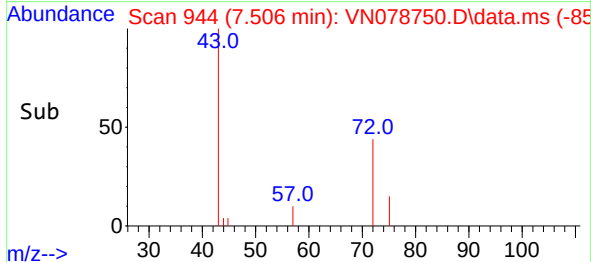
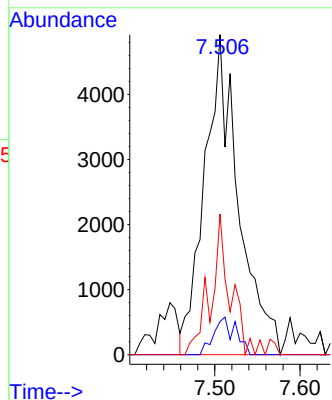
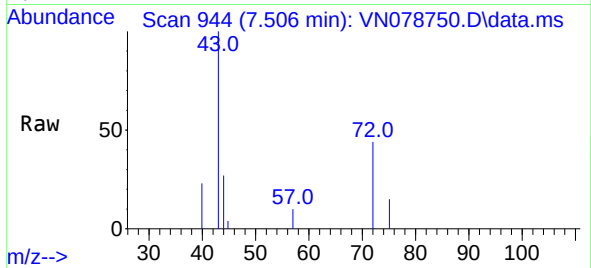




#30
2-Butanone
Concen: 4.026 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

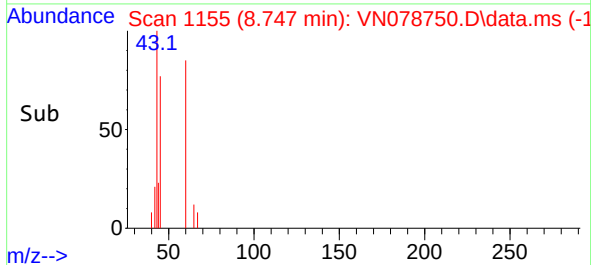
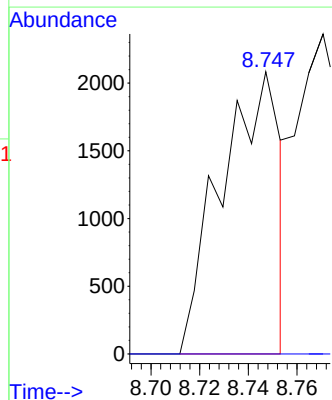
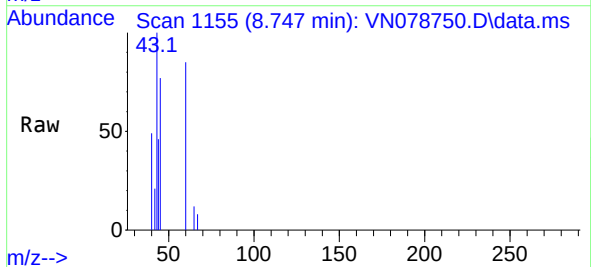
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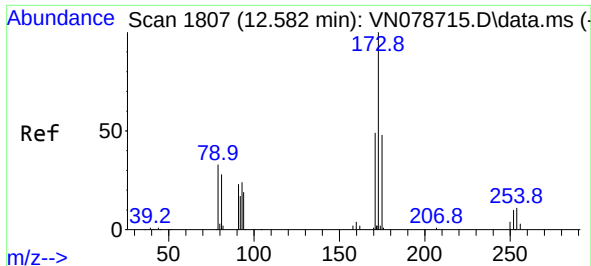
Tgt Ion: 43 Resp: 13606
Ion Ratio Lower Upper
43 100
57 5.2 6.8 10.2#
72 13.0 23.8 35.6#



#44
Isopropyl Acetate
Concen: 0.287 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.047 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

Tgt Ion: 43 Resp: 3514
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#

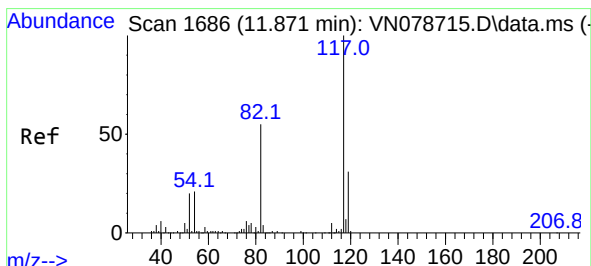
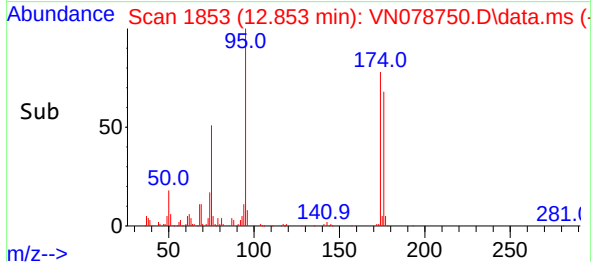
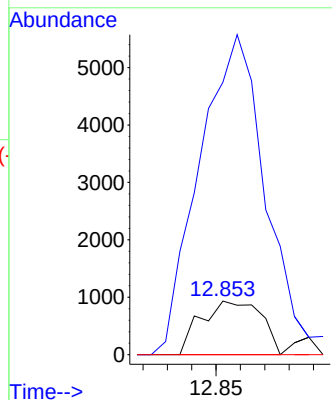
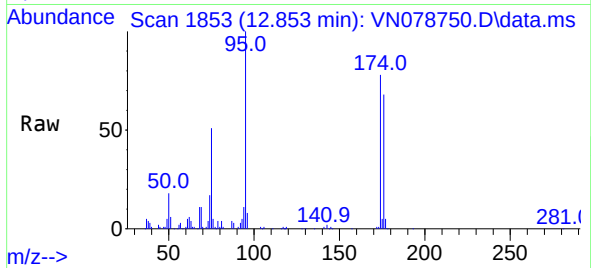




#56
Bromoform
Concen: 0.323 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

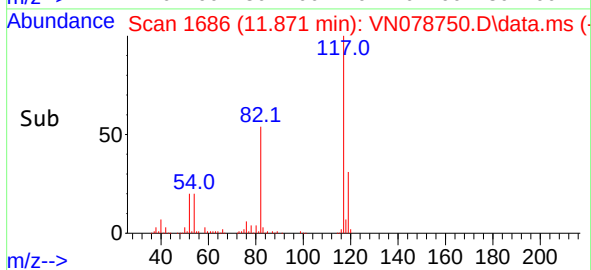
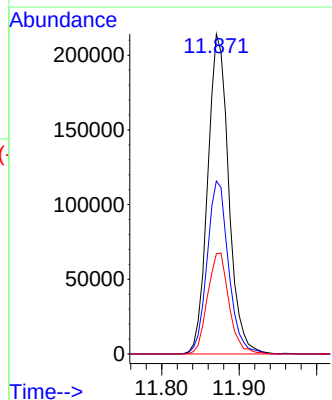
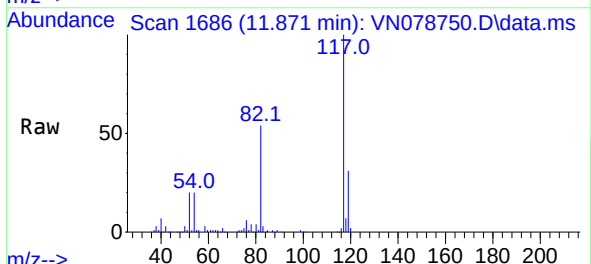
Instrument :
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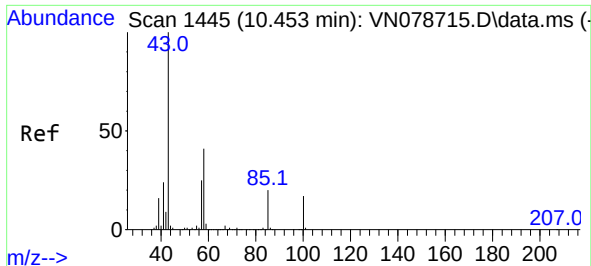
Tgt Ion:173 Resp: 1608
Ion Ratio Lower Upper
173 100
175 656.7 40.7 61.1#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

Tgt Ion:117 Resp: 402998
Ion Ratio Lower Upper
117 100
82 55.2 43.9 65.9
119 32.3 26.2 39.4

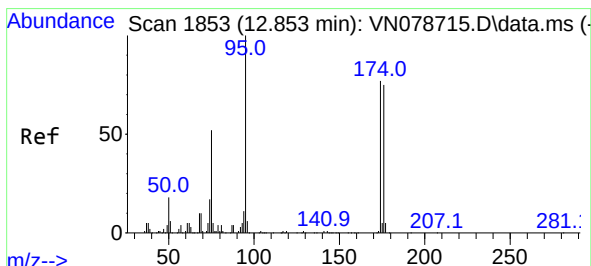
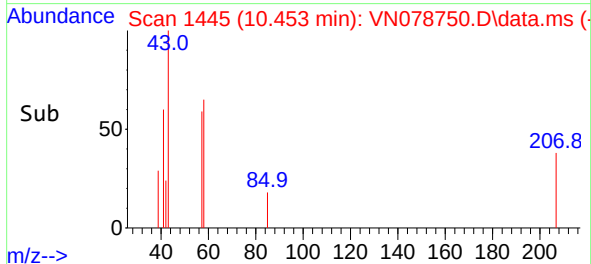
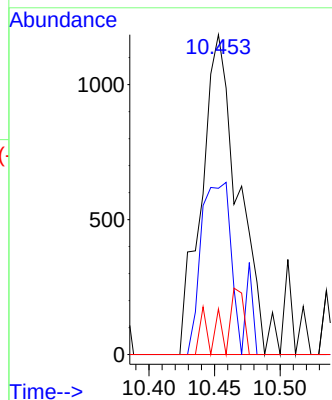
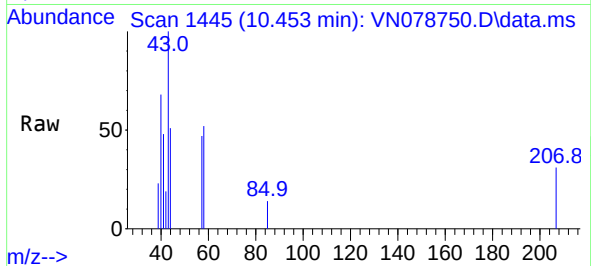




#58
4-Methyl-2-Pentanone
Concen: 0.388 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

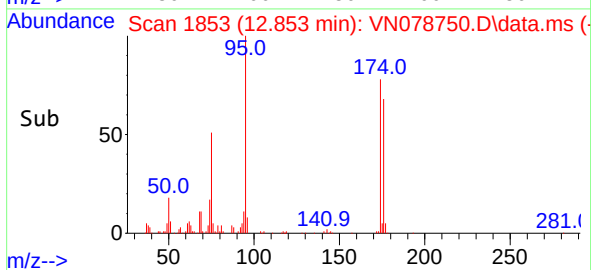
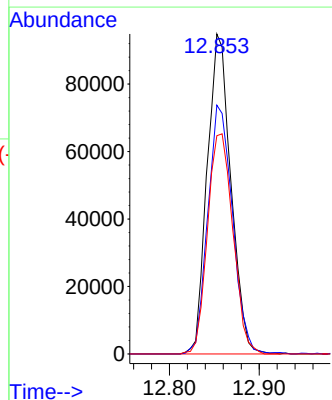
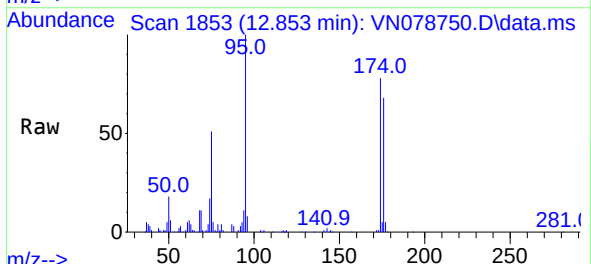
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

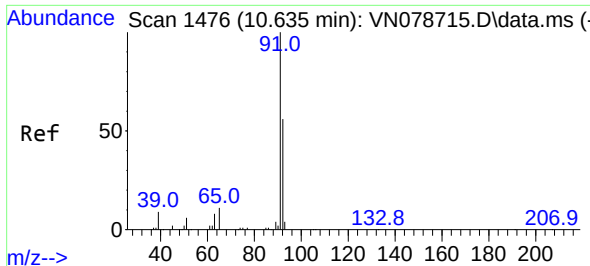
Tgt Ion:	43	Resp:	2338
Ion	Ratio	Lower	Upper
43	100		
58	42.7	32.6	48.8
85	7.1	16.2	24.2



#60
4-Bromofluorobenzene
Concen: 28.782 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

Tgt Ion:	95	Resp:	173827
Ion	Ratio	Lower	Upper
95	100		
174	80.9	61.7	92.5
176	73.7	58.1	87.1

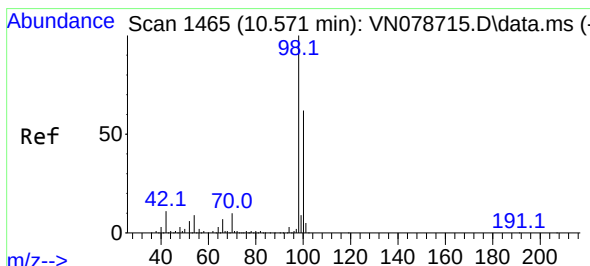
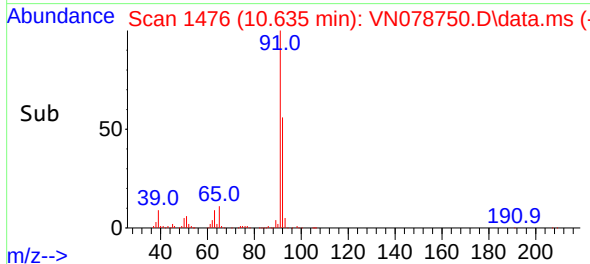
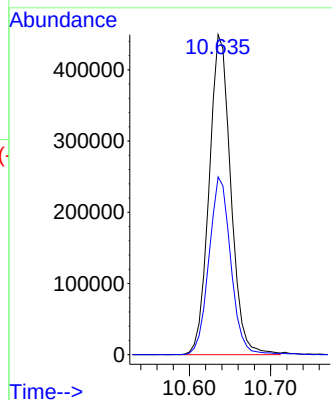
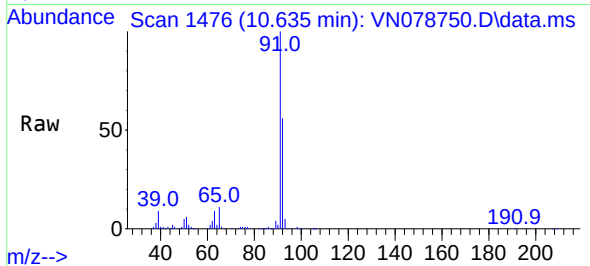




#62
Toluene
Concen: 34.314 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

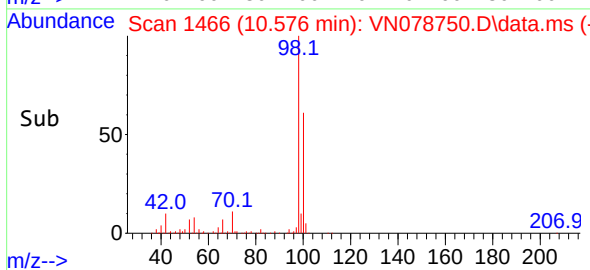
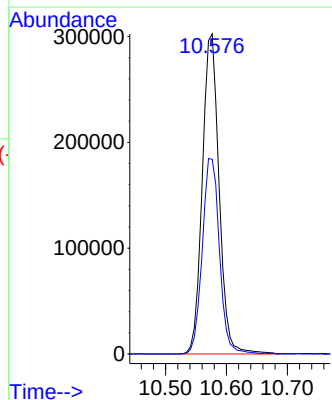
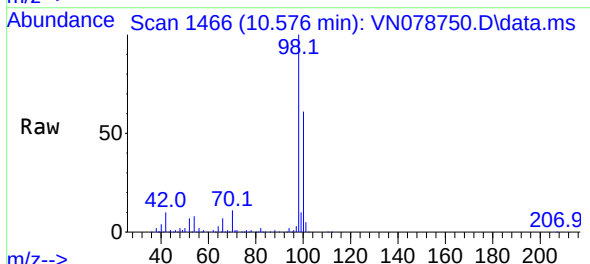
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

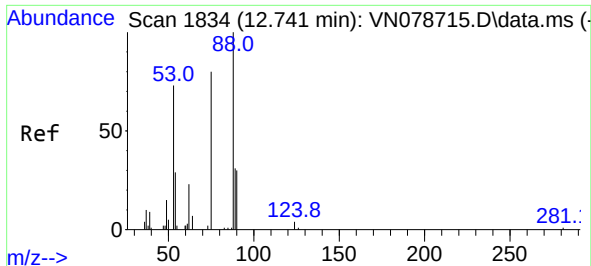
Tgt Ion: 91 Resp: 831801
Ion Ratio Lower Upper
91 100
92 55.8 45.2 67.8



#63
Toluene-d8
Concen: 29.200 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

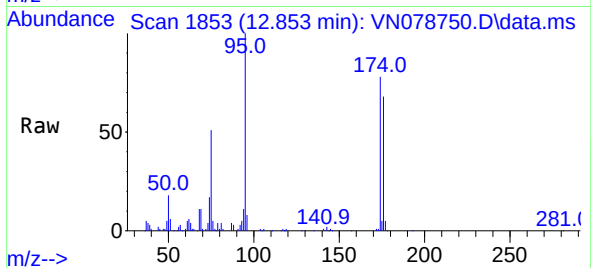
Tgt Ion: 98 Resp: 581313
Ion Ratio Lower Upper
98 100
100 62.3 49.7 74.5





#77
t-1,4-Dichloro-2-butene
Concen: 40.747 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078750.D
Acq: 03 Aug 2023 14:07

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



Tgt Ion: 75 Resp: 91159
Ion Ratio Lower Upper
75 100
53 0.3 41.6 124.9#
89 0.0 25.1 75.4#

