

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078961.D
 Acq On : 18 Aug 2023 22:49
 Operator : JC\MD
 Sample : 04071-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

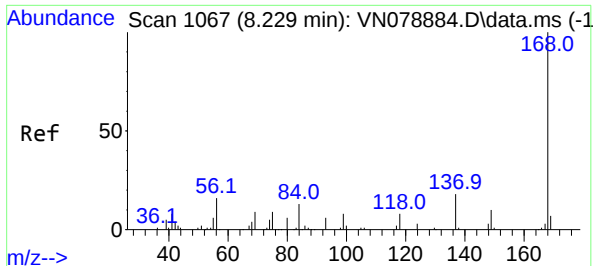
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4

Quant Time: Aug 19 06:08:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	215738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	407718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	396371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	153930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	167469	49.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.780%		
35) Dibromofluoromethane	8.171	113	135149	49.243	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.480%		
50) Toluene-d8	10.570	98	508236	49.872	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	12.853	95	170310	51.130	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.260%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	68672	49.576	ug/l	93
20) Methylene Chloride	5.277	84	18914	6.407	ug/l #	80
25) 2-Butanone	7.494	43	19078	8.591	ug/l #	66
40) Benzene	8.612	78	846529	69.371	ug/l	99
43) Isopropyl Acetate	8.694	43	281980	34.538	ug/l #	67
51) 4-Methyl-2-Pentanone	10.453	43	45691	9.436	ug/l #	84
52) Toluene	10.635	92	507229	67.702	ug/l	99
67) Ethyl Benzene	11.970	91	63447	4.135	ug/l	98
68) m/p-Xylenes	12.070	106	129571	22.587	ug/l	98
69) o-Xylene	12.400	106	83410	14.947	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	13483	1.326	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	44756	4.444	ug/l	93
95) Naphthalene	15.647	128	346283	48.878	ug/l	98

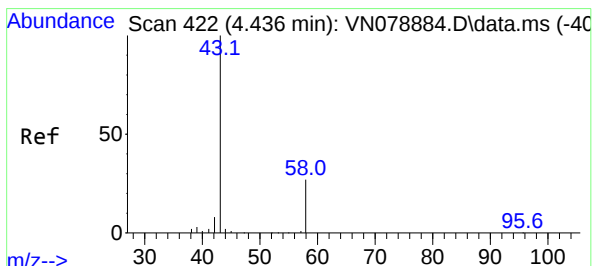
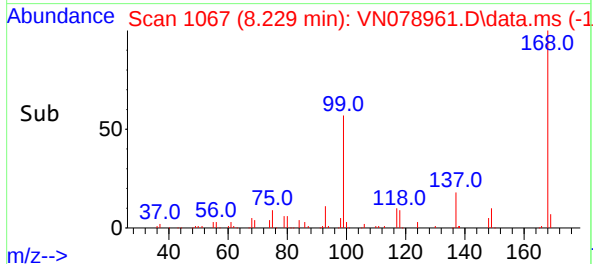
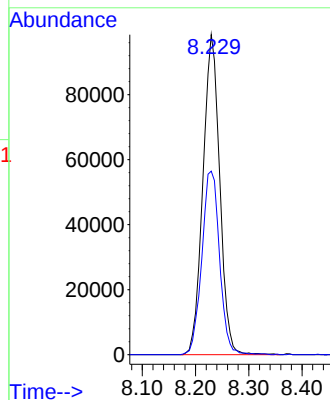
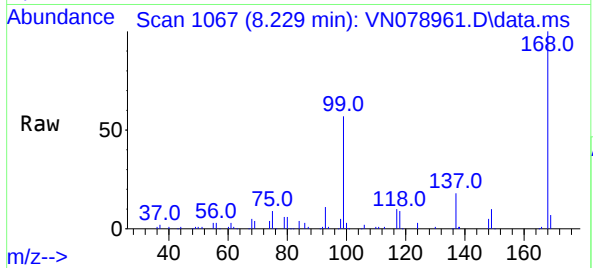
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

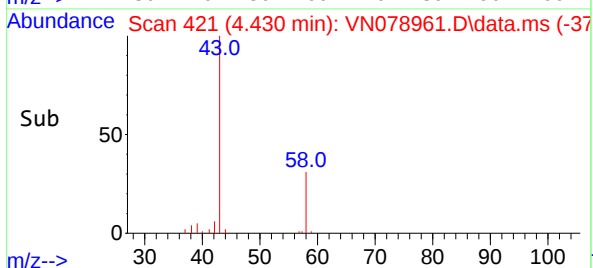
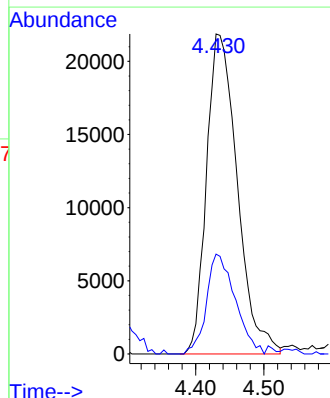
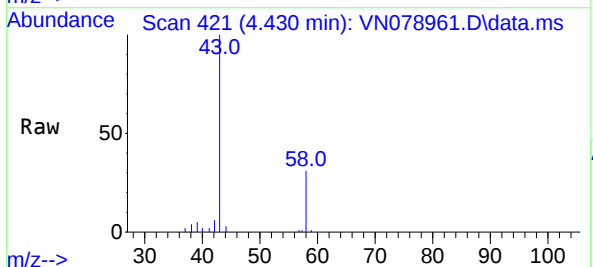
Instrument :
MSVOA_N
ClientSampleId :
SB-4

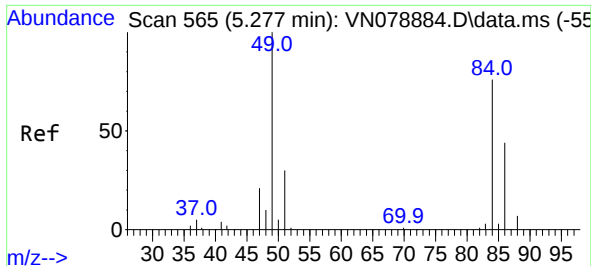
Tgt Ion:168 Resp: 215738
Ion Ratio Lower Upper
168 100
99 57.4 53.0 79.6



#16
Acetone
Concen: 49.576 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.012 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion: 43 Resp: 68672
Ion Ratio Lower Upper
43 100
58 31.2 28.0 42.0

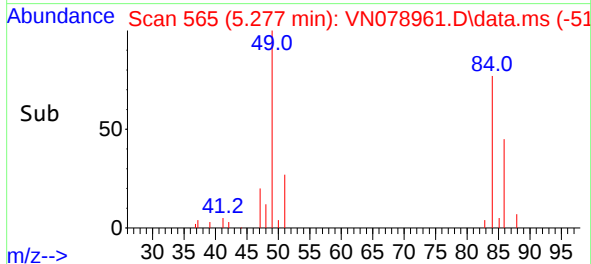
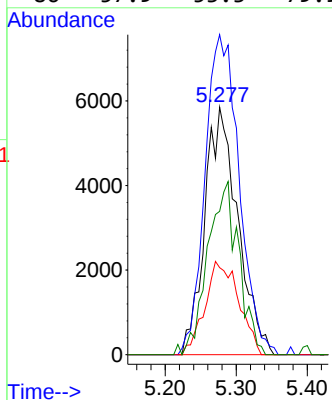
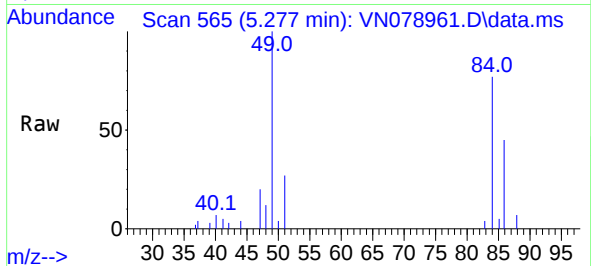




#20
Methylene Chloride
Concen: 6.407 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

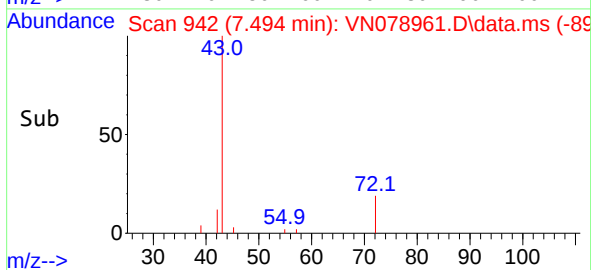
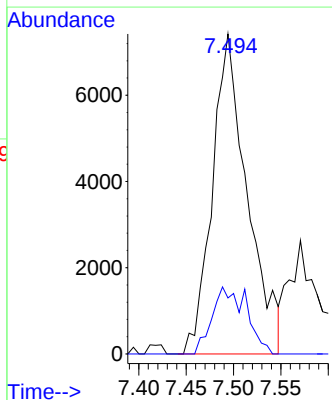
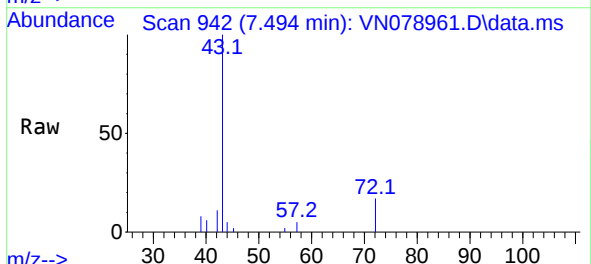
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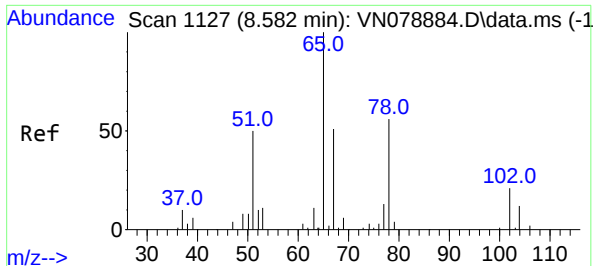
Tgt Ion:	84	Resp:	18914
Ion	Ratio	Lower	Upper
84	100		
49	129.3	79.7	119.5#
51	35.1	25.2	37.8
86	57.9	53.3	79.9



#25
2-Butanone
Concen: 8.591 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion:	43	Resp:	19078
Ion	Ratio	Lower	Upper
43	100		
72	17.5	30.2	45.2#

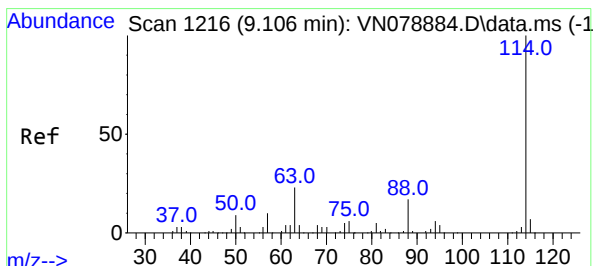
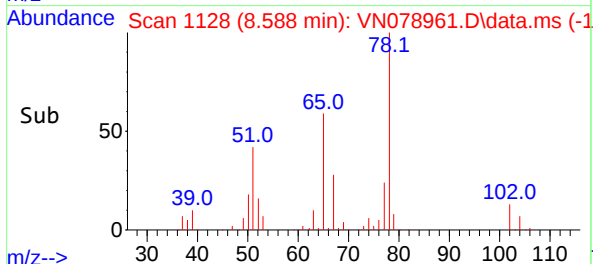
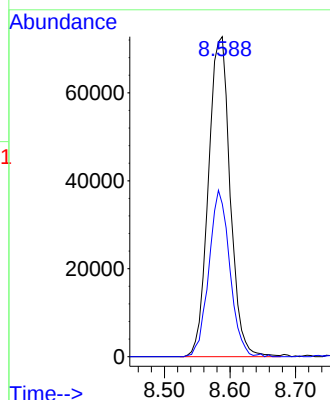
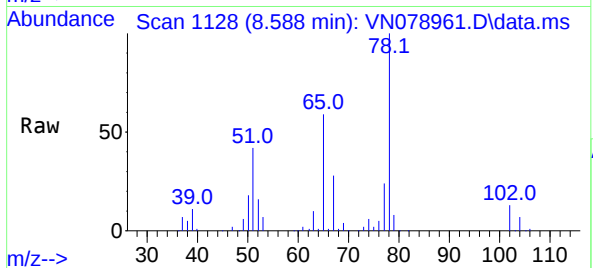




#33
1,2-Dichloroethane-d4
Concen: 49.886 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

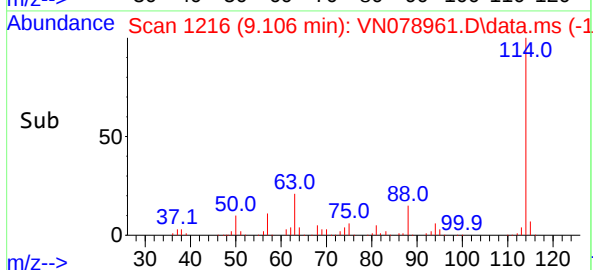
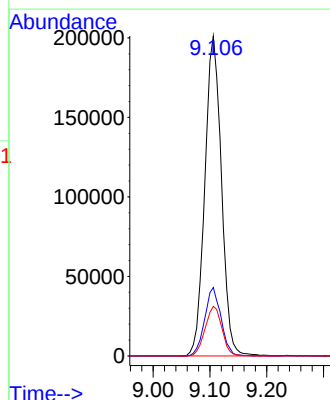
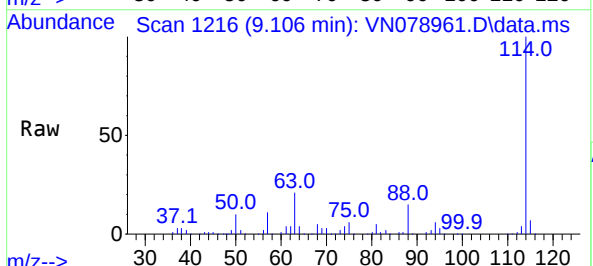
Instrument :
MSVOA_N
ClientSampleId :
SB-4

Tgt Ion: 65 Resp: 167469
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion: 114 Resp: 407718
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 15.5 0.0 30.6

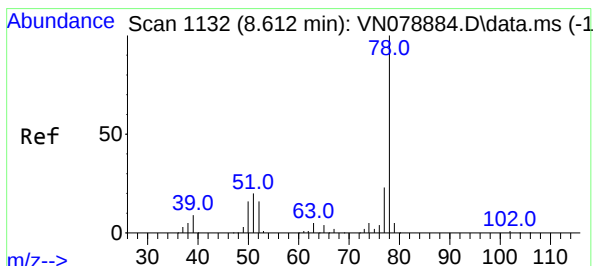
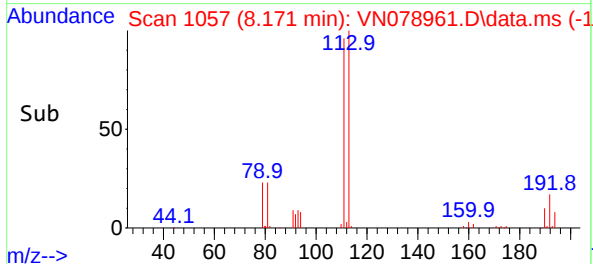
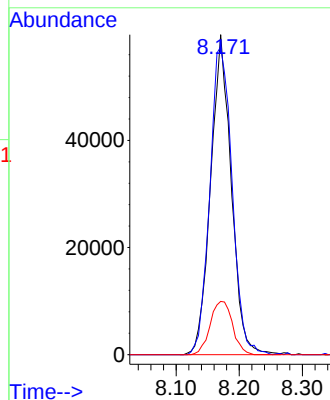
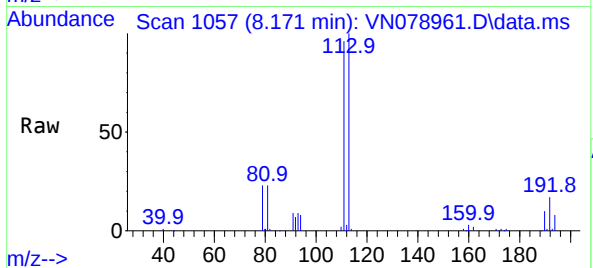




#35
Dibromofluoromethane
Concen: 49.243 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

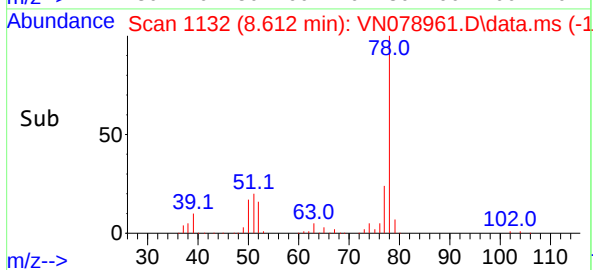
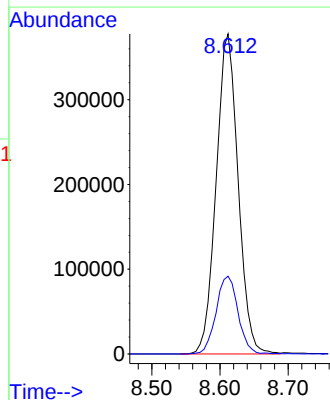
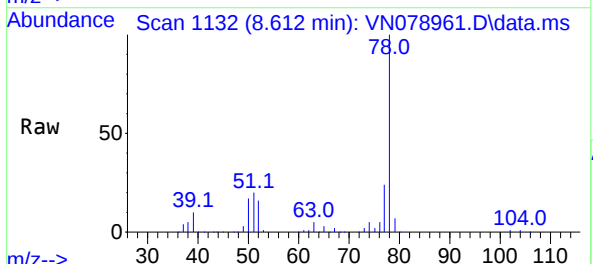
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ClientSampleId :
SB-4

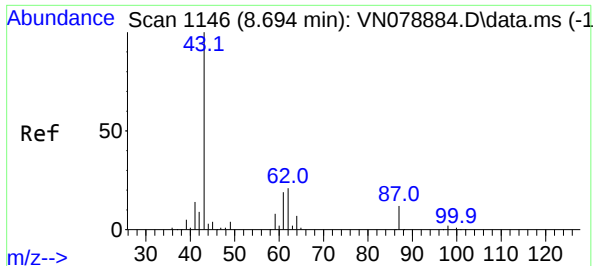
Tgt Ion:113 Resp: 135149
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 18.1 12.7 19.1



#40
Benzene
Concen: 69.371 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion: 78 Resp: 846529
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

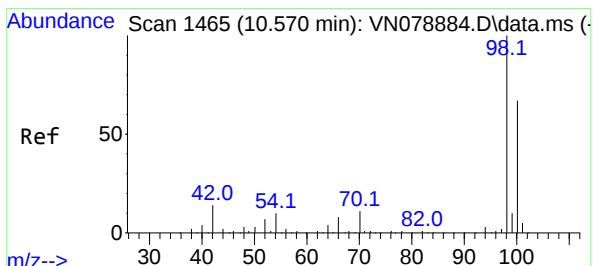
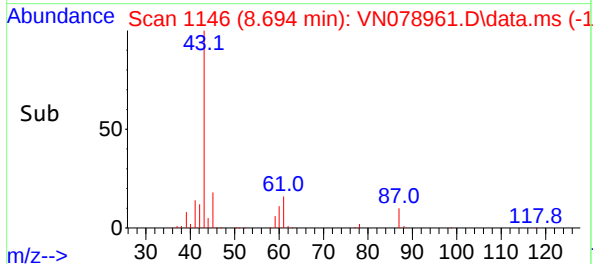
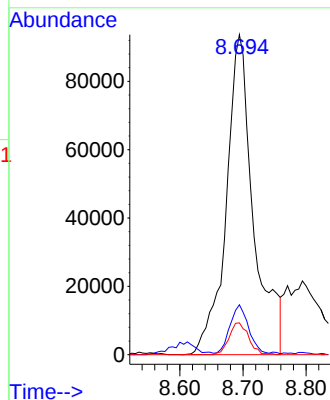
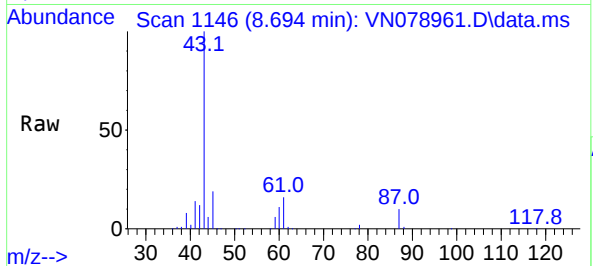




#43
Isopropyl Acetate
Concen: 34.538 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

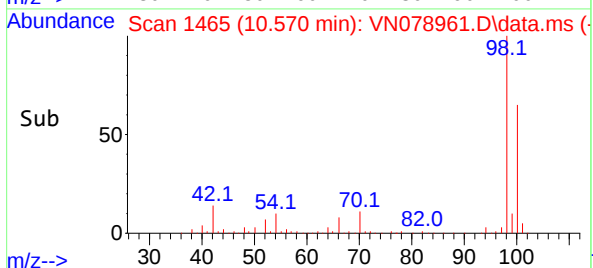
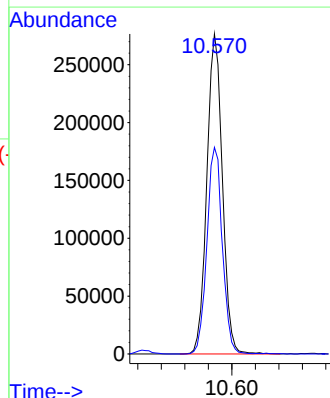
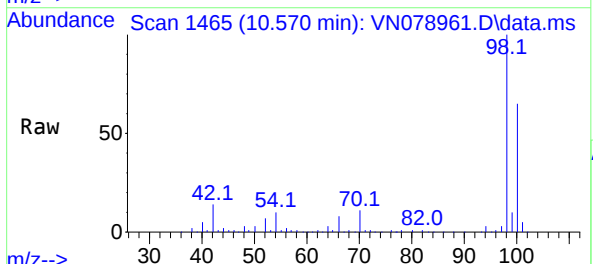
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ClientSampleId :
SB-4

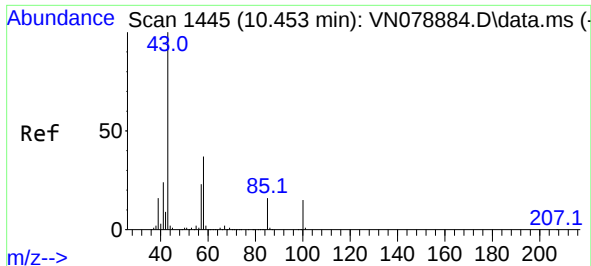
Tgt Ion: 43 Resp: 281980
Ion Ratio Lower Upper
43 100
61 10.2 24.7 37.1#
87 7.1 14.6 21.8#



#50
Toluene-d8
Concen: 49.872 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion: 98 Resp: 508236
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 9.436 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VN078961.D

Acq: 18 Aug 2023 22:49

Instrument :

MSVOA_N

ClientSampleId :

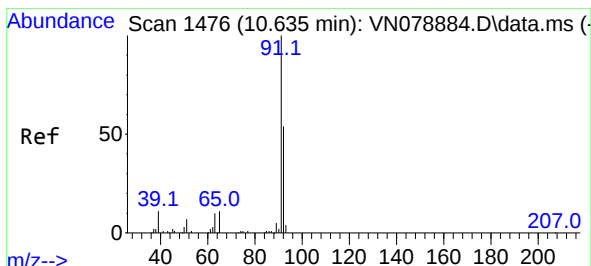
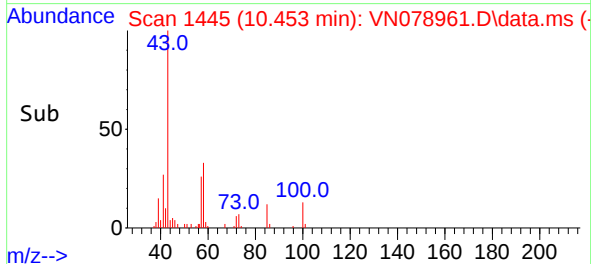
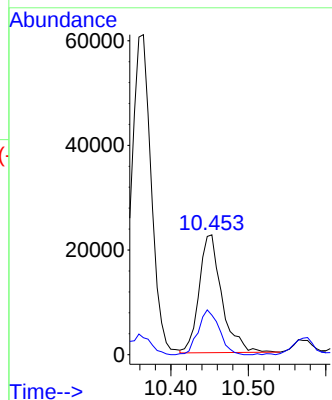
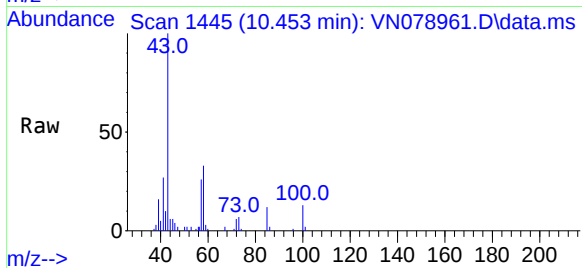
SB-4

Tgt Ion: 43 Resp: 45691

Ion Ratio Lower Upper

43 100

58 35.3 36.6 54.8#



#52

Toluene

Concen: 67.702 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078961.D

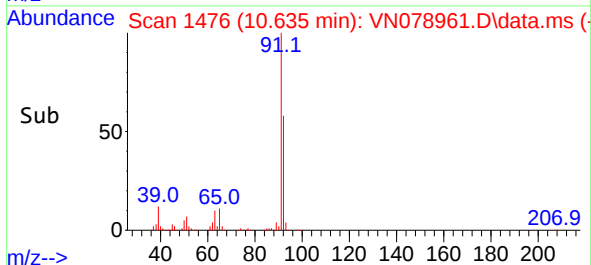
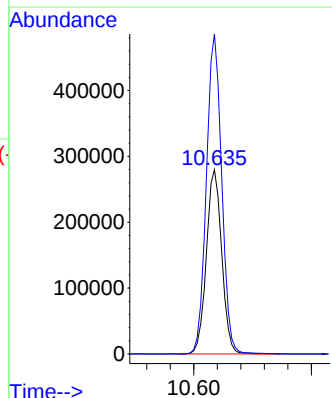
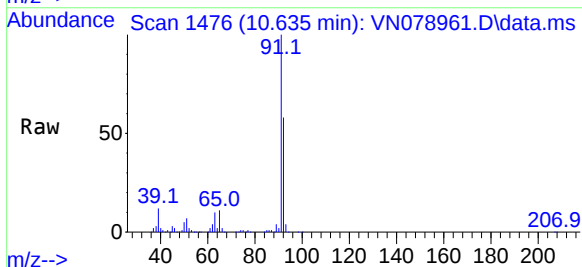
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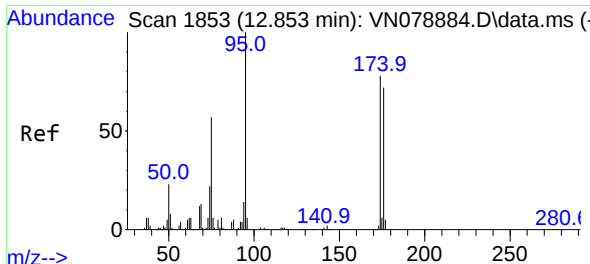
Tgt Ion: 92 Resp: 507229

Ion Ratio Lower Upper

92 100

91 173.1 137.4 206.0

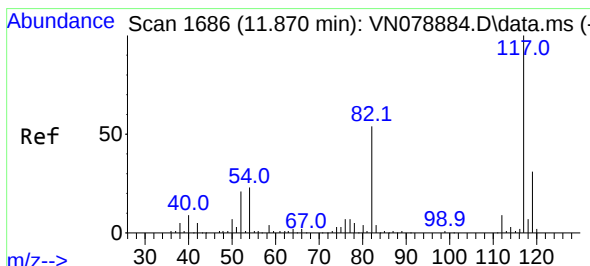
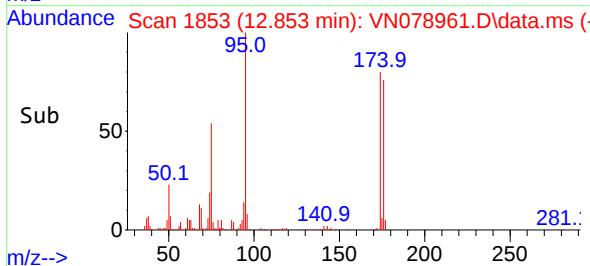
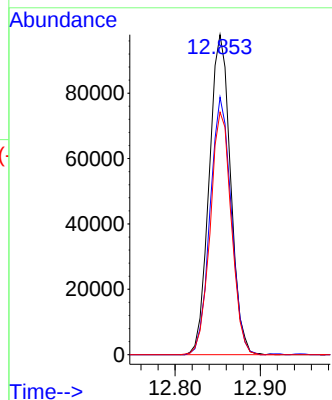
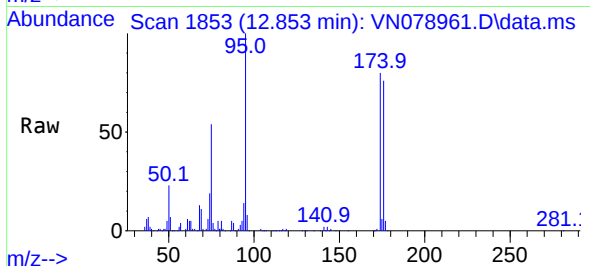




#62
4-Bromofluorobenzene
Concen: 51.130 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

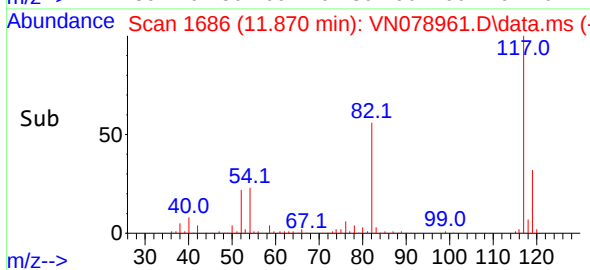
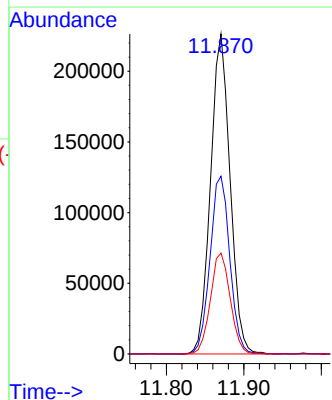
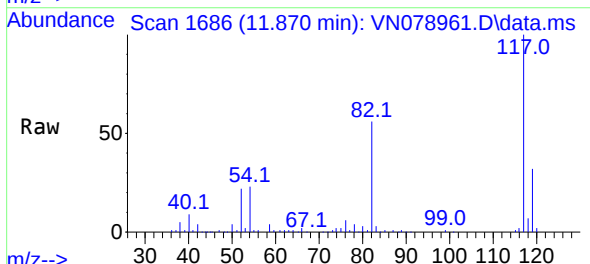
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SB-4

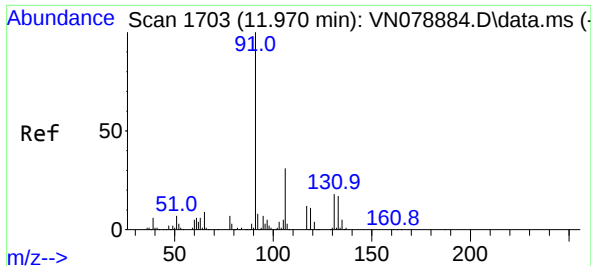
Tgt Ion: 95 Resp: 170310
Ion Ratio Lower Upper
95 100
174 79.7 0.0 143.8
176 75.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion: 117 Resp: 396371
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 31.6 25.6 38.4

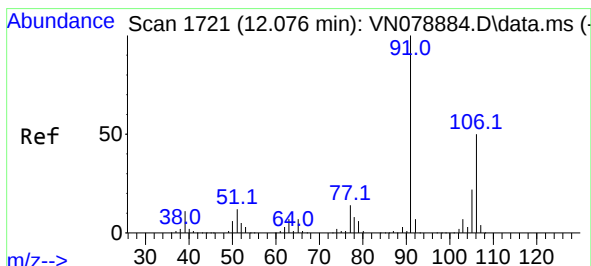
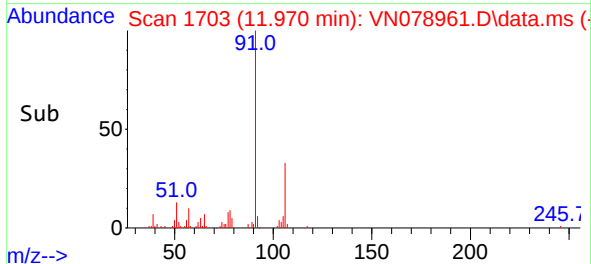
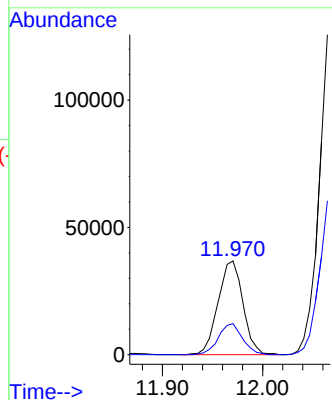
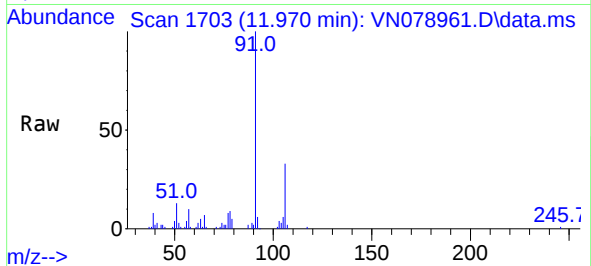




#67
Ethyl Benzene
Concen: 4.135 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

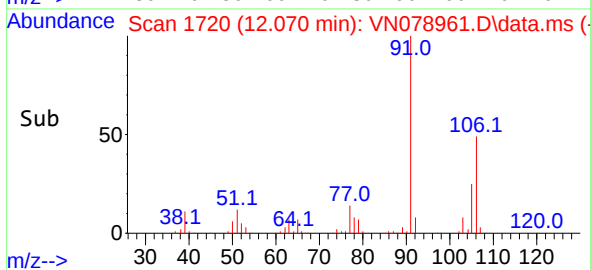
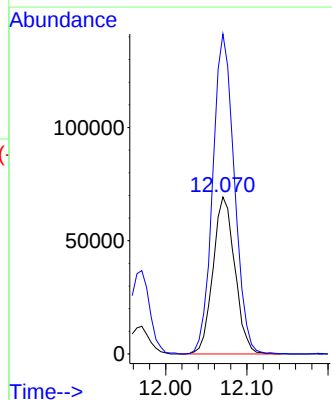
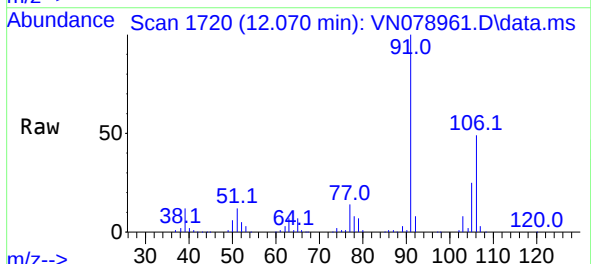
Instrument :
MSVOA_N
ClientSampleId :
SB-4

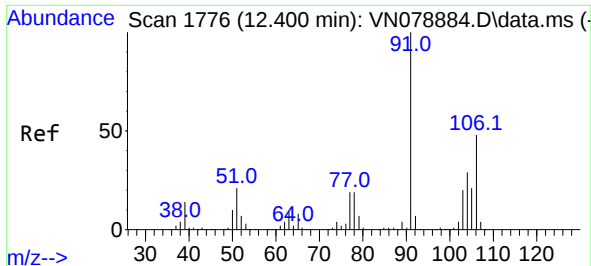
Tgt Ion: 91 Resp: 63447
Ion Ratio Lower Upper
91 100
106 33.2 25.6 38.4



#68
m/p-Xylenes
Concen: 22.587 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion: 106 Resp: 129571
Ion Ratio Lower Upper
106 100
91 202.1 159.6 239.4

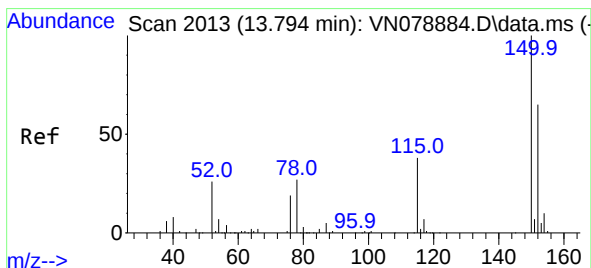
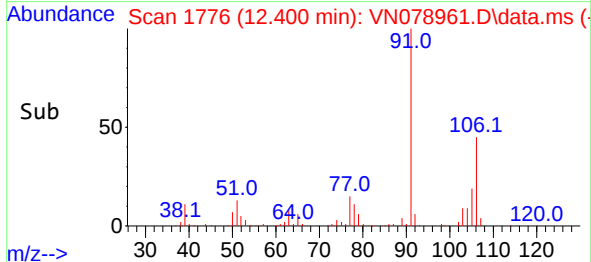
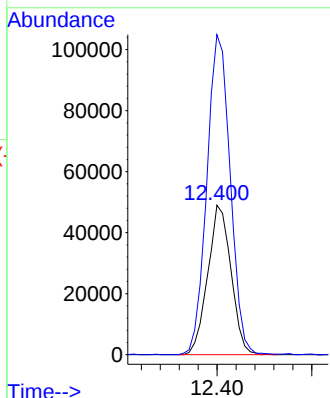
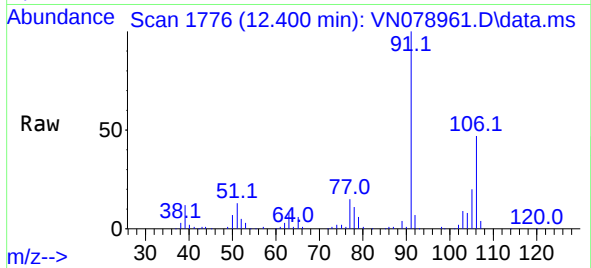




#69
o-Xylene
Concen: 14.947 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

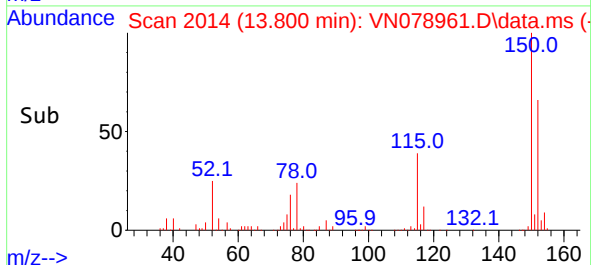
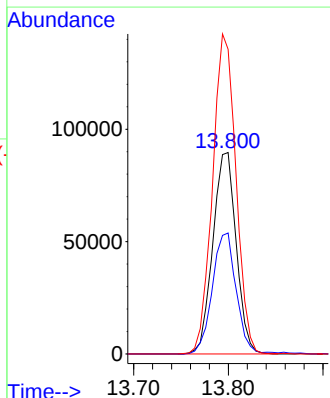
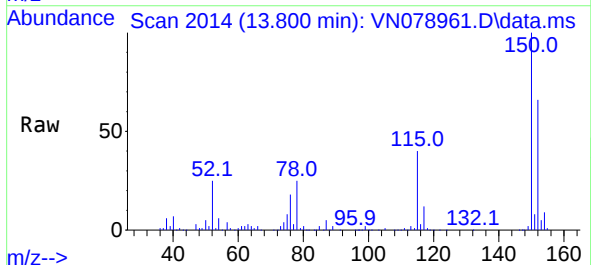
Instrument :
MSVOA_N
ClientSampleId :
SB-4

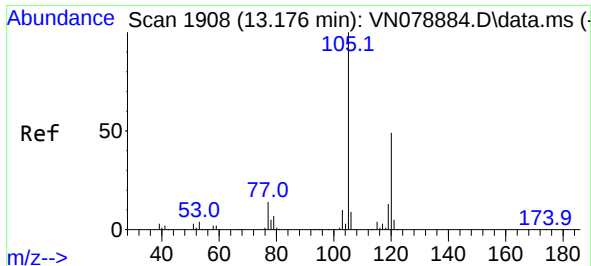
Tgt Ion:106 Resp: 83410
Ion Ratio Lower Upper
106 100
91 215.4 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Tgt Ion:152 Resp: 153930
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 159.2 0.0 355.8

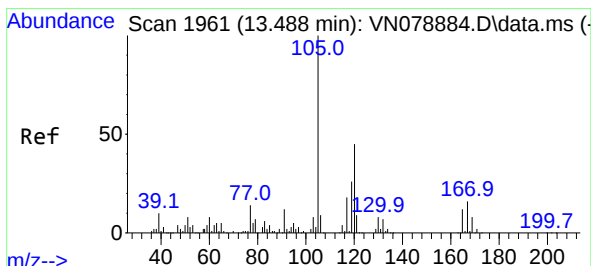
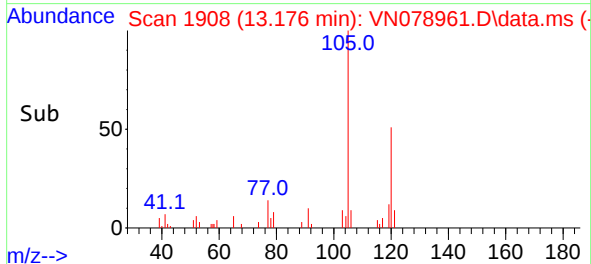
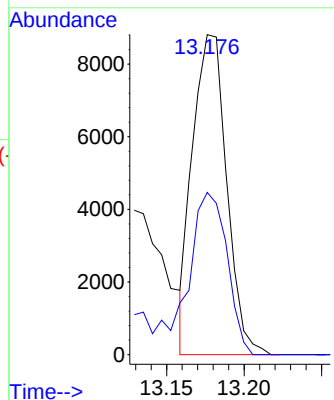
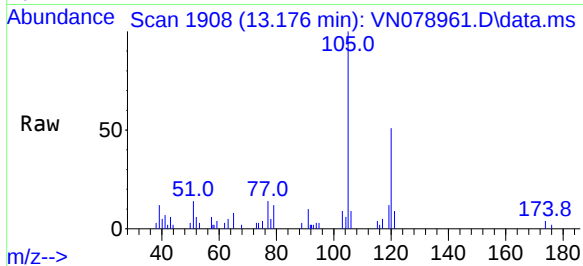




#80
1,3,5-Trimethylbenzene
Concen: 1.326 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

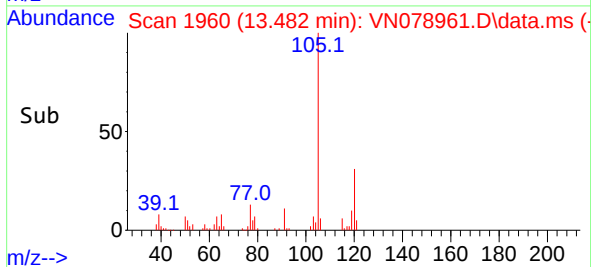
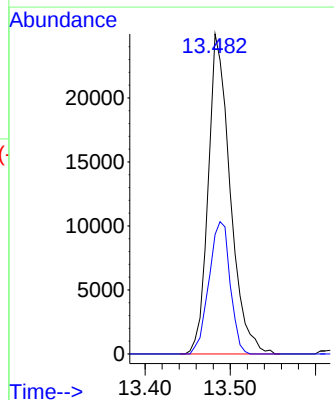
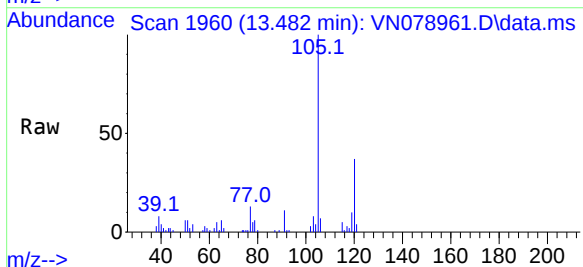
Instrument :
MSVOA_N
ClientSampleId :
SB-4

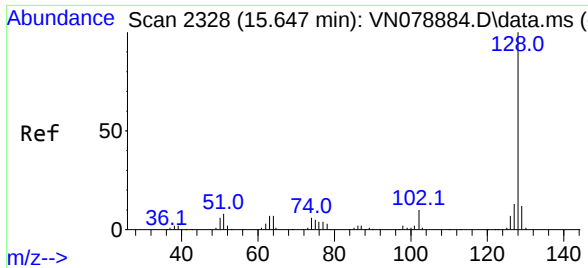
Tgt Ion:105 Resp: 13483
Ion Ratio Lower Upper
105 100
120 54.0 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 4.444 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

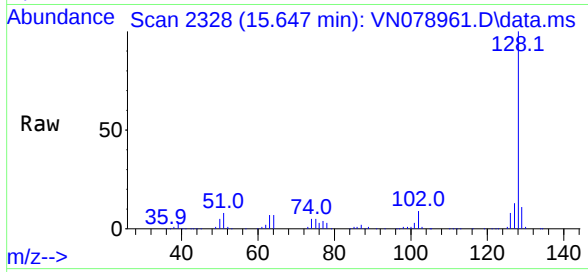
Tgt Ion:105 Resp: 44756
Ion Ratio Lower Upper
105 100
120 39.8 22.0 66.0





#95
Naphthalene
Concen: 48.878 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078961.D
Acq: 18 Aug 2023 22:49

Instrument :
MSVOA_N
ClientSampleId :
SB-4



Tgt Ion:128 Resp: 346283
Ion Ratio Lower Upper
128 100
127 13.7 10.0 15.0
129 10.8 8.7 13.1

