

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078999.D
 Acq On : 22 Aug 2023 17:12
 Operator : JC\MD
 Sample : 04060-01DL 5X
 Misc : 5.07g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 22 17:46:26 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

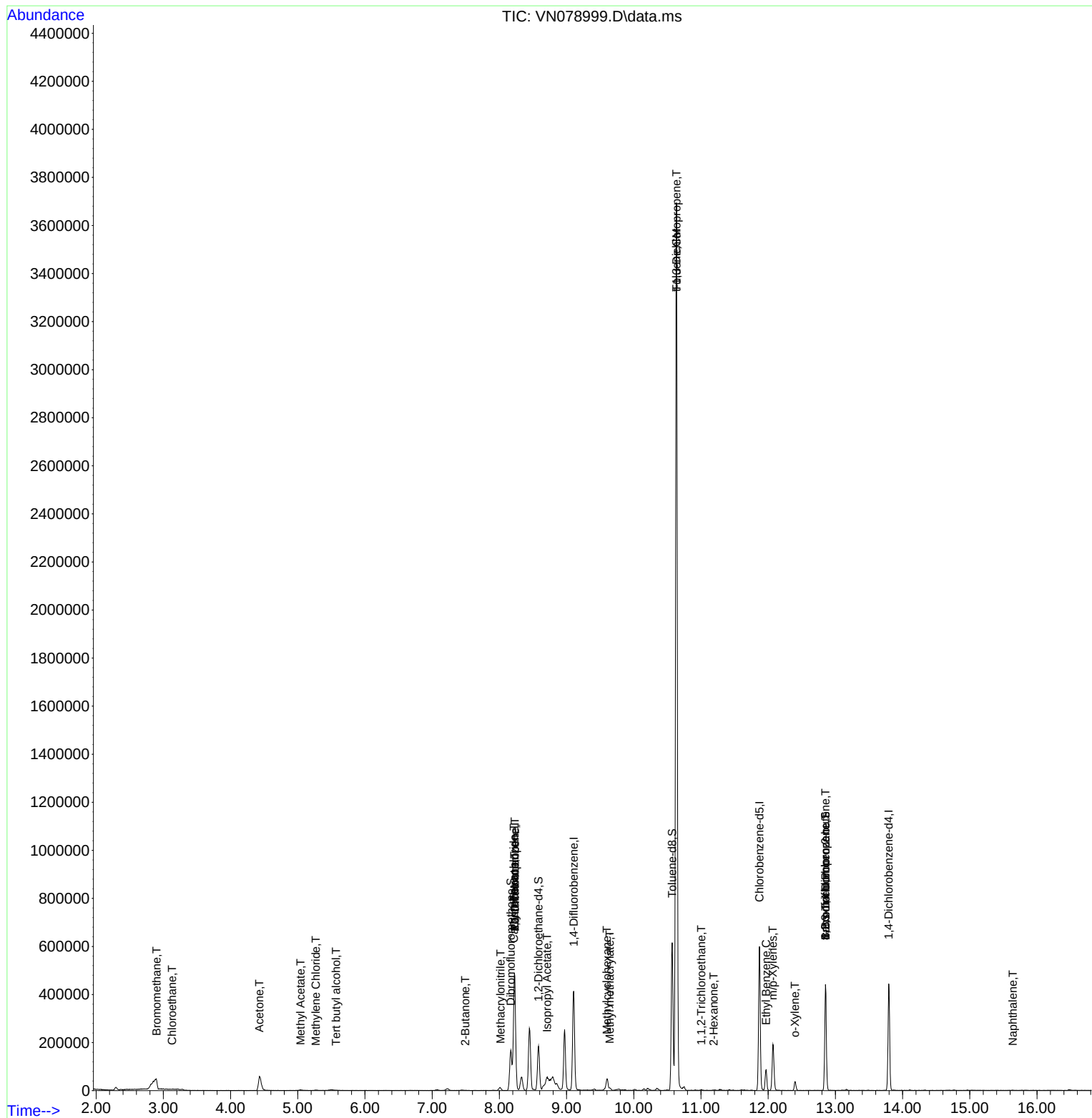
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	187144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	325552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144550	49.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.280%
35) Dibromofluoromethane	8.171	113	117330	49.925	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.840%
50) Toluene-d8	10.571	98	409804	46.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.920%
62) 4-Bromofluorobenzene	12.853	95	143666	50.369	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.901	94	534	0.293	ug/l #	39
6) Chloroethane	3.130	64	865	0.389	ug/l #	43
11) Tert butyl alcohol	5.571	59	419	0.857	ug/l #	72
16) Acetone	4.430	43	111063	92.430	ug/l #	86
18) Methyl Acetate	5.042	43	6648	1.310	ug/l #	81
20) Methylene Chloride	5.271	84	945	0.369	ug/l #	30
25) 2-Butanone	7.494	43	498	0.259	ug/l #	37
31) Cyclohexane	8.224	56	48214	11.227	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	16442	4.651	ug/l #	48
38) Carbon Tetrachloride	8.218	117	21579	6.092	ug/l #	14
39) Methylcyclohexane	9.600	83	15380	4.730	ug/l #	74
41) Methacrylonitrile	8.018	41	2869	1.332	ug/l #	17
43) Isopropyl Acetate	8.712	43	65117	9.314	ug/l #	50
48) Methyl methacrylate	9.641	41	1737	0.548	ug/l #	3
52) Toluene	10.635	92	1518873	236.753	ug/l	98
53) t-1,3-Dichloropropene	10.635	75	19265	4.768	ug/l #	1
55) 1,1,2-Trichloroethane	11.006	97	711	0.276	ug/l #	16
59) 2-Hexanone	11.188	43	1595	0.531	ug/l #	24
67) Ethyl Benzene	11.970	91	60639	4.812	ug/l	99
68) m/p-Xylenes	12.070	106	59739	12.679	ug/l	95
69) o-Xylene	12.400	106	9845	2.148	ug/l	96
71) Bromoform	12.853	173	1959	1.029	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	77660	29.047	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77660	74.203	ug/l #	15
95) Naphthalene	15.641	128	1375	2.830	ug/l #	83

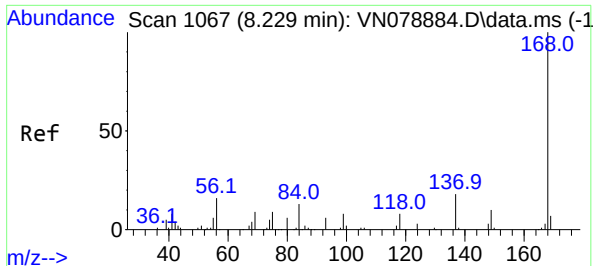
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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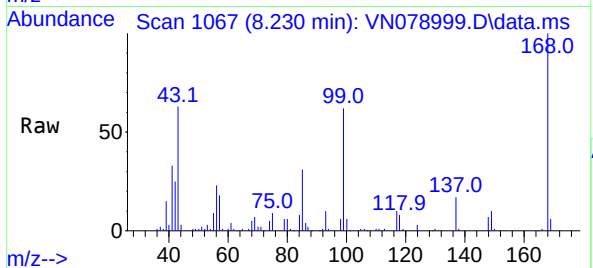
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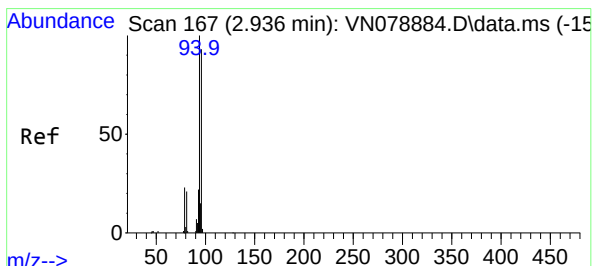
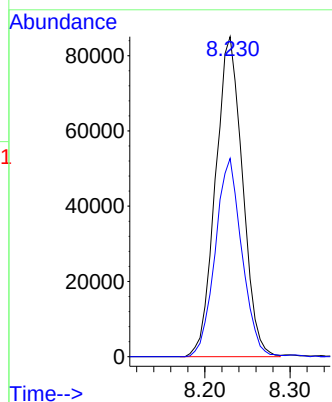
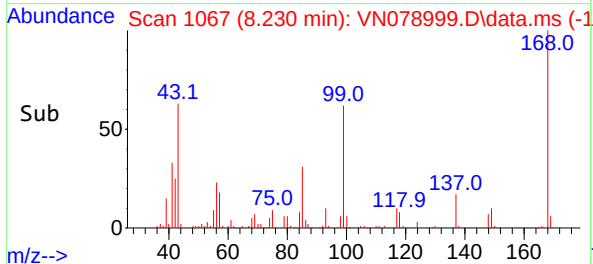


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Instrument :
MSVOA_X
ClientSampleId :

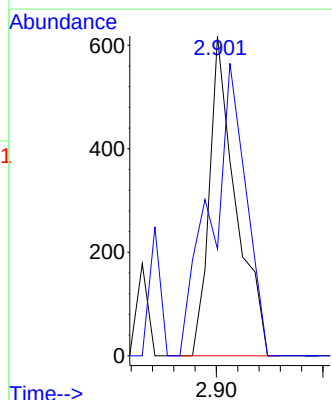
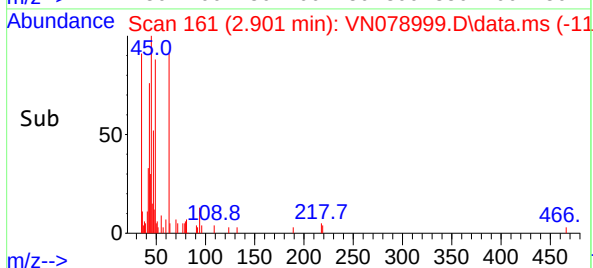
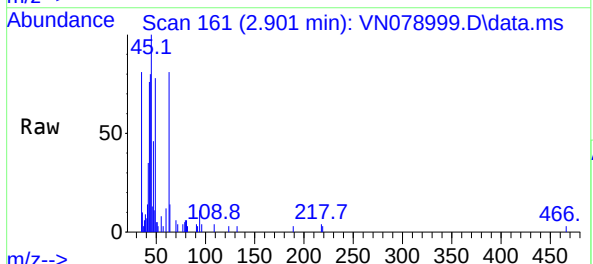


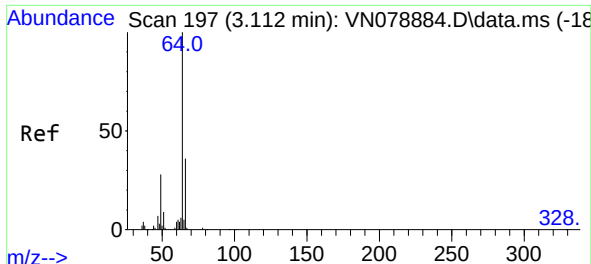
Tgt Ion:168 Resp: 187144
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#5
Bromomethane
Concen: 0.293 ug/l
RT: 2.901 min Scan# 161
Delta R.T. -0.047 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 33.3 73.1 109.7#

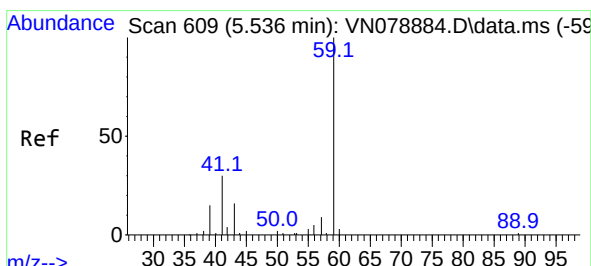
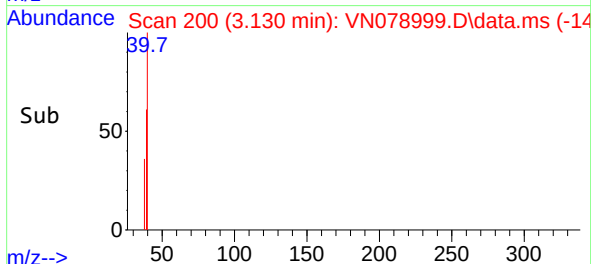
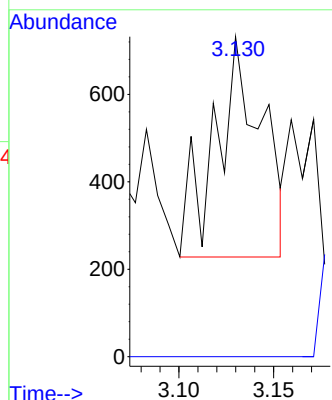
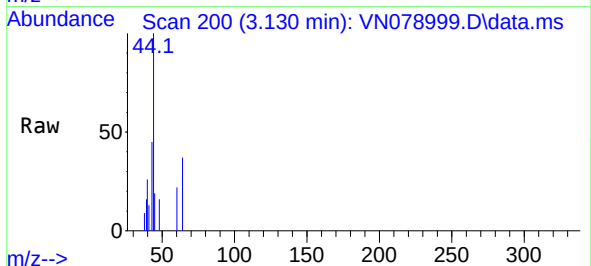




#6
Chloroethane
Concen: 0.389 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

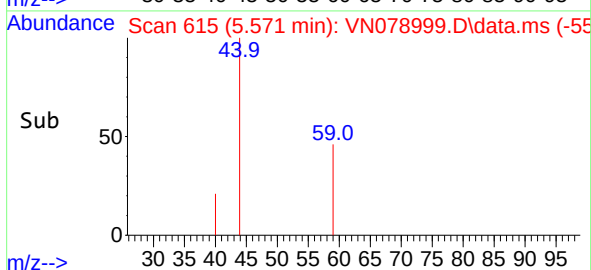
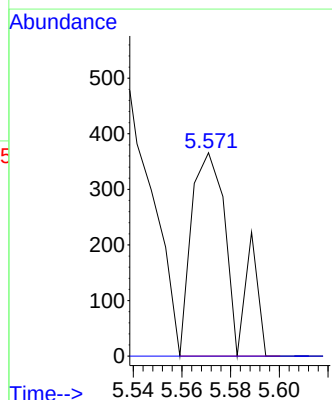
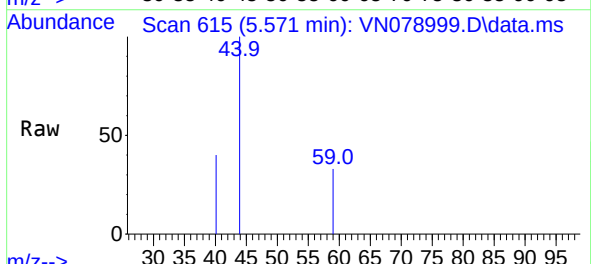
Instrument :
MSVOA_X
ClientSampleId :

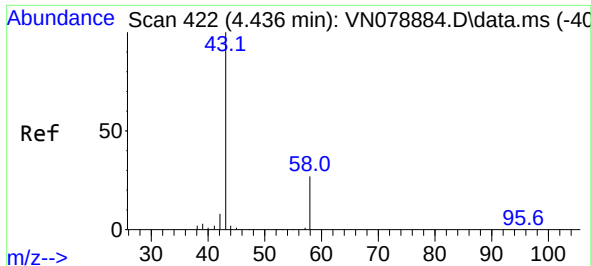
Tgt Ion: 64 Resp: 865
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.857 ug/l
RT: 5.571 min Scan# 615
Delta R.T. 0.029 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

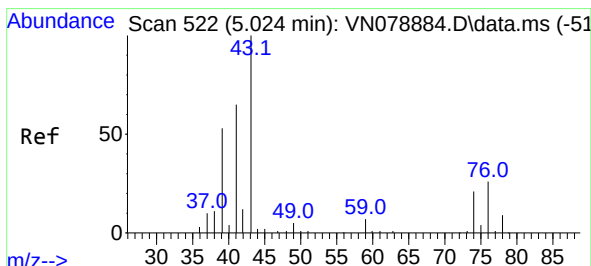
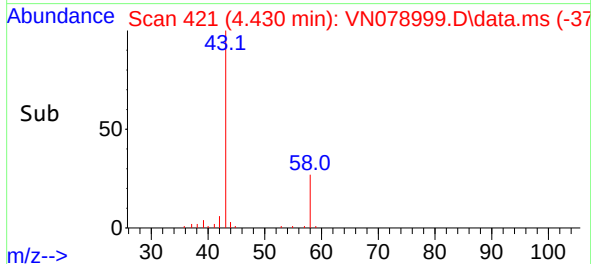
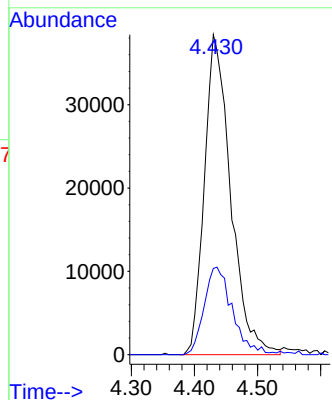
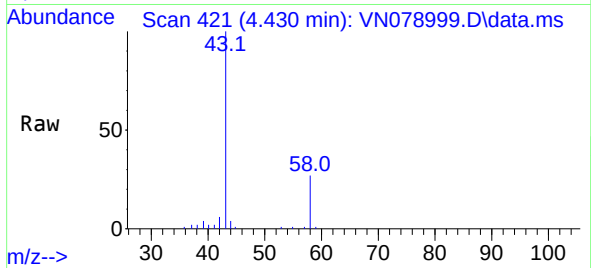




#16
Acetone
Concen: 92.430 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

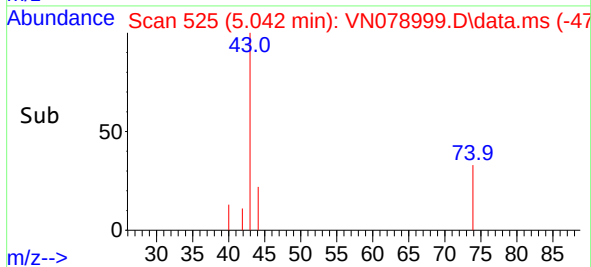
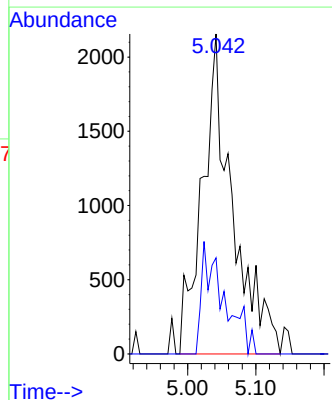
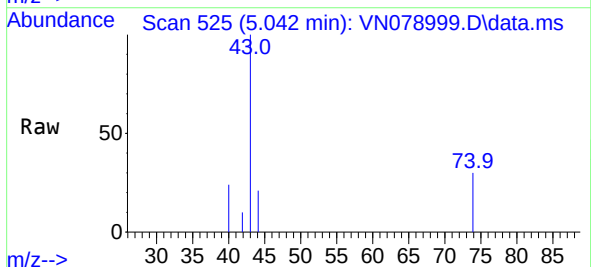
Instrument :
MSVOA_X
ClientSampleId :

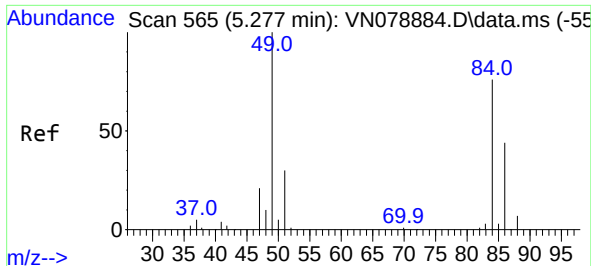
Tgt Ion: 43 Resp: 111063
Ion Ratio Lower Upper
43 100
58 27.0 28.0 42.0#



#18
Methyl Acetate
Concen: 1.310 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion: 43 Resp: 6648
Ion Ratio Lower Upper
43 100
74 22.2 26.2 39.4#





#20

Methylene Chloride

Concen: 0.369 ug/l

RT: 5.271 min Scan# 5

Delta R.T. -0.012 min

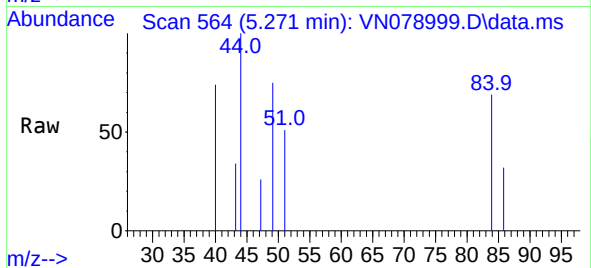
Lab File: VN078999.D

Acq: 22 Aug 2023 17:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 945

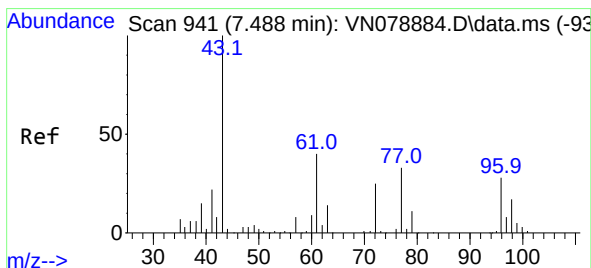
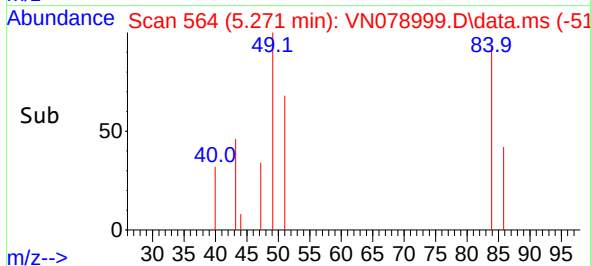
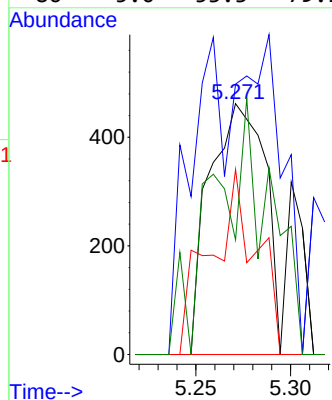
Ion Ratio Lower Upper

84 100

49 37.4 79.7 119.5#

51 73.8 25.2 37.8#

86 5.0 53.3 79.9#



#25

2-Butanone

Concen: 0.259 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078999.D

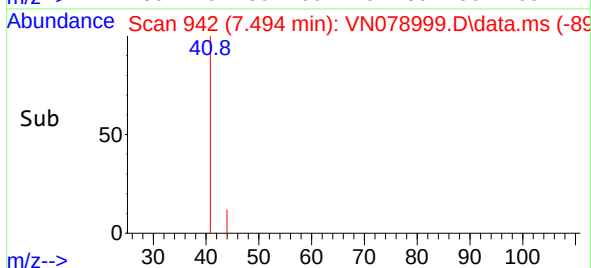
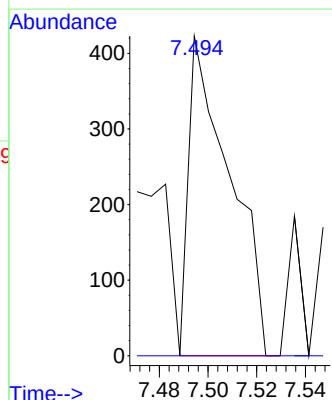
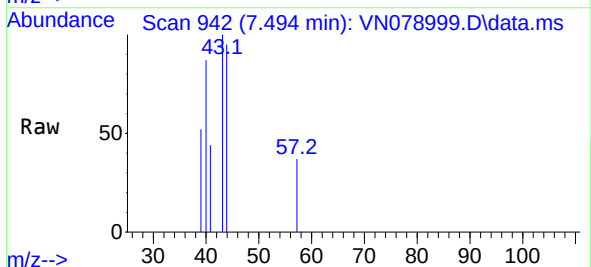
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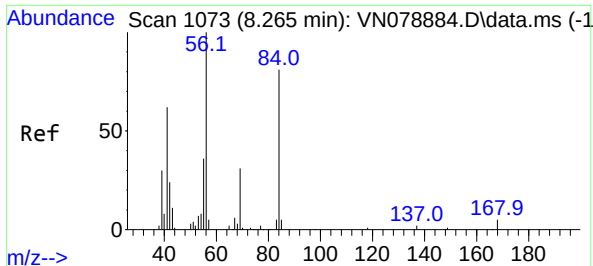
Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

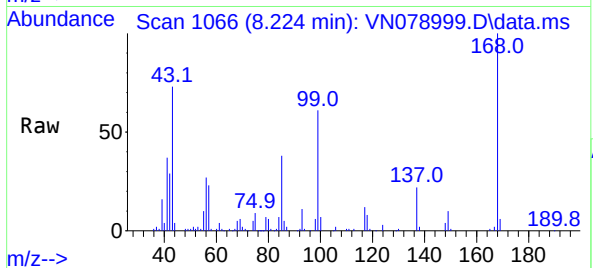
72 0.0 30.2 45.2#



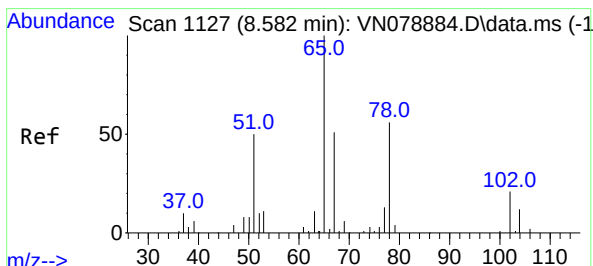
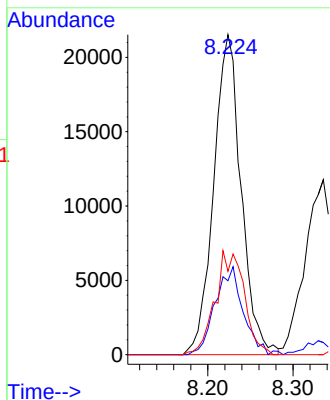
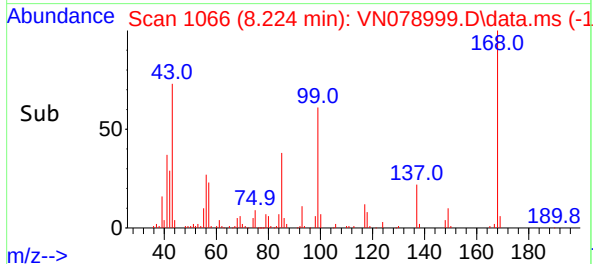


#31
Cyclohexane
Concen: 11.227 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Instrument :
MSVOA_X
ClientSampleId :

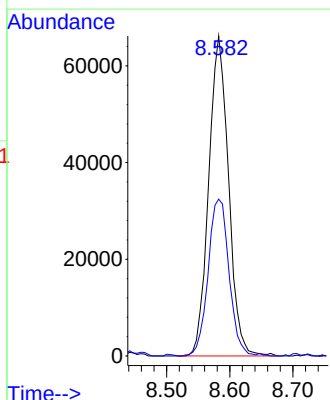
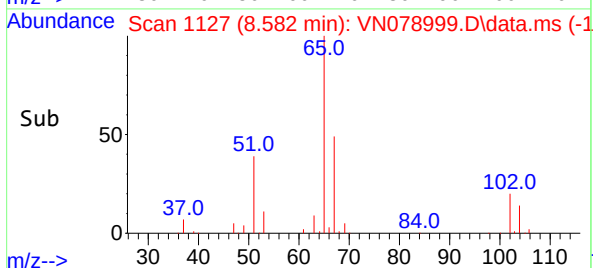
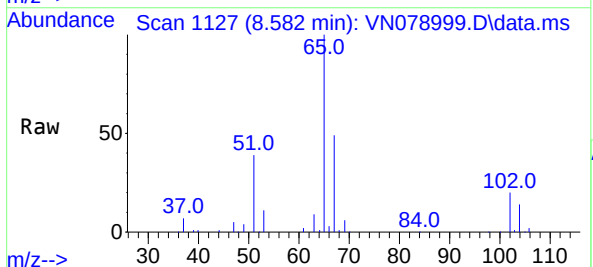


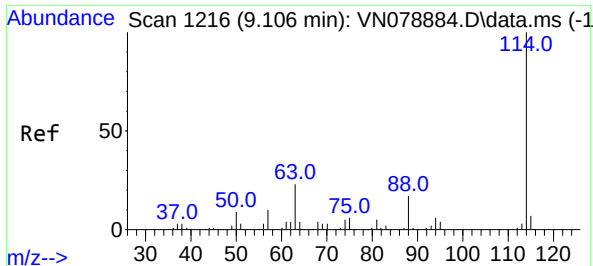
Tgt Ion: 56 Resp: 48214
Ion Ratio Lower Upper
56 100
69 23.1 26.8 40.2#
84 26.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.637 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

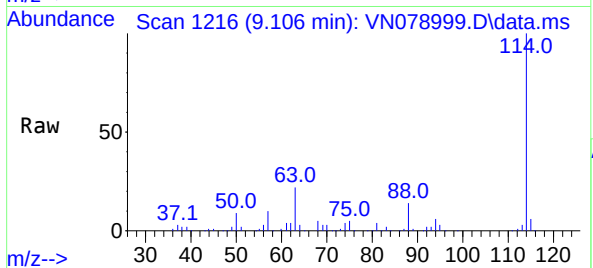
Tgt Ion: 65 Resp: 144550
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6



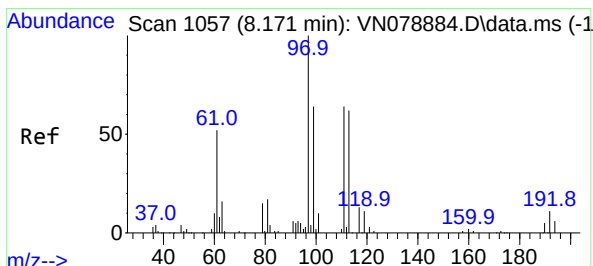
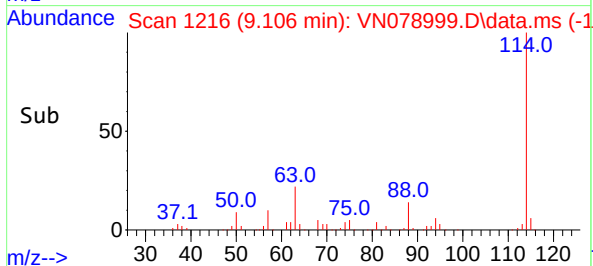
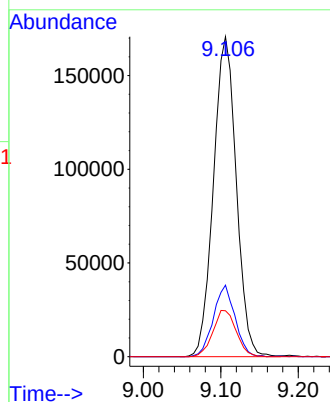


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Instrument :
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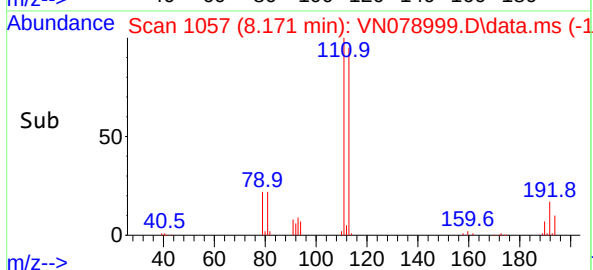
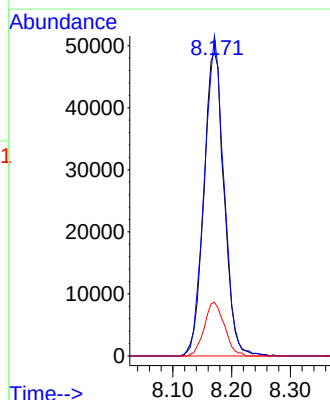
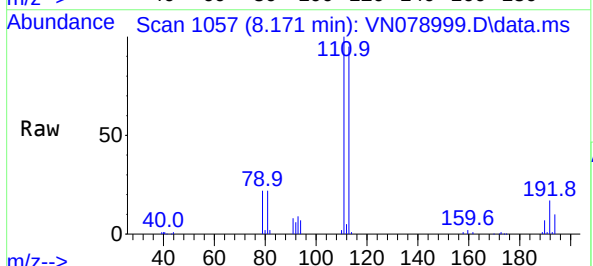


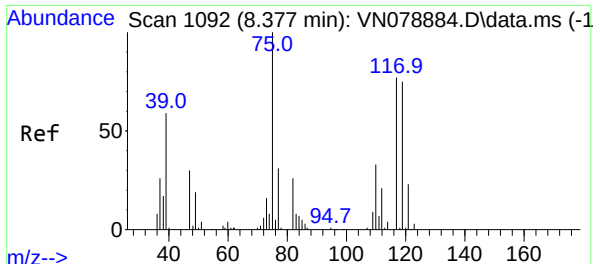
Tgt Ion:114 Resp: 349125
Ion Ratio Lower Upper
114 100
63 22.4 0.0 36.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.925 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

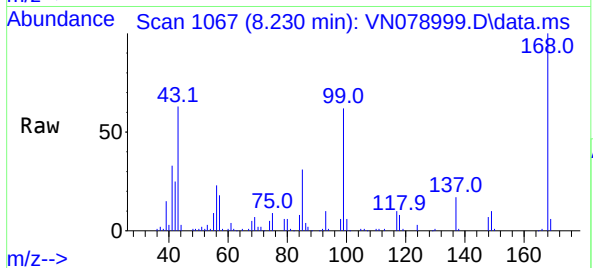
Tgt Ion:113 Resp: 117330
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 17.6 12.7 19.1



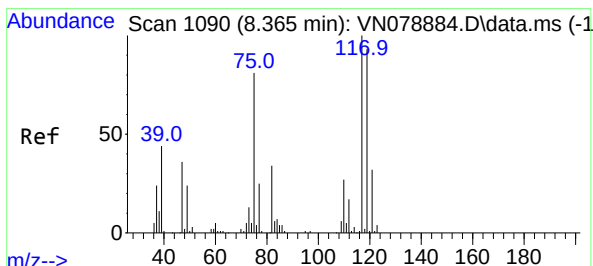
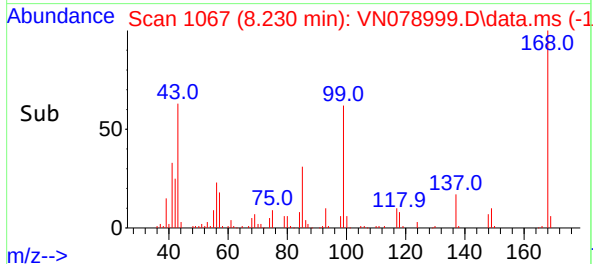
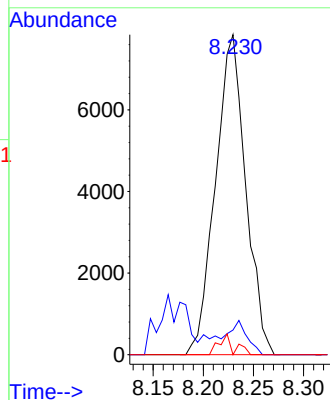


#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 8.230 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Instrument :
MSVOA_X
ClientSampleId :

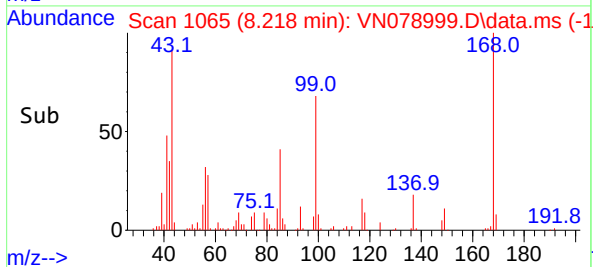
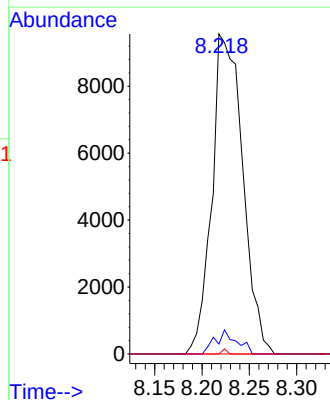
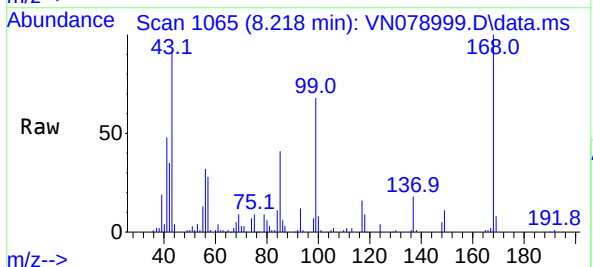


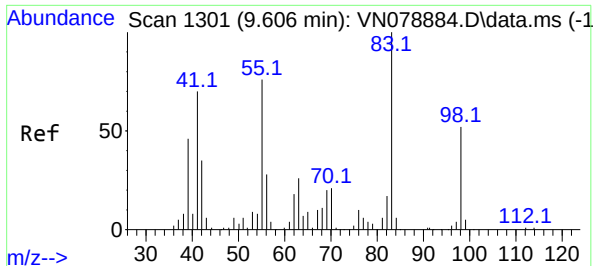
Tgt Ion: 75 Resp: 16442
Ion Ratio Lower Upper
75 100
110 6.4 19.1 57.3#
77 3.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.092 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion: 117 Resp: 21579
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 23.3 34.9#

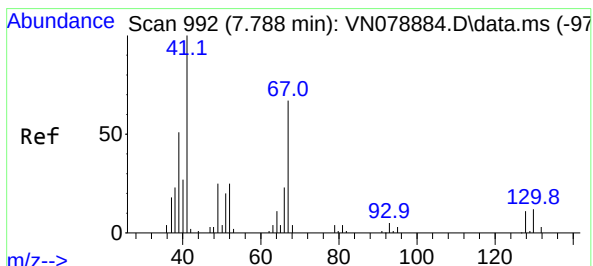
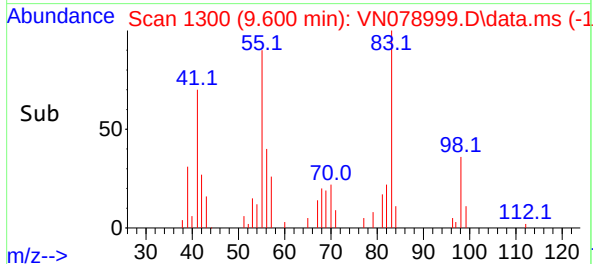
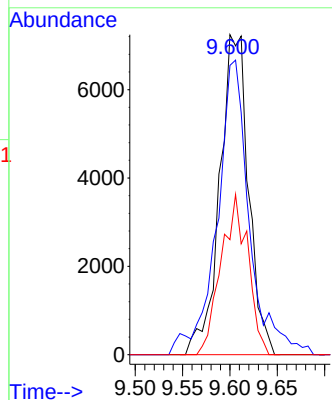
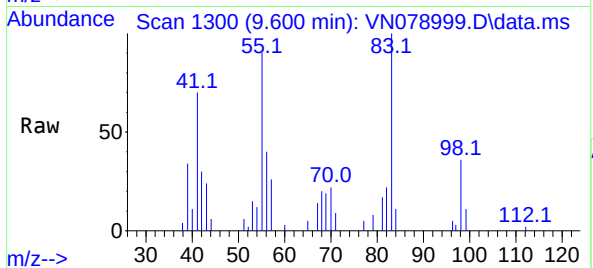




#39
Methylcyclohexane
Concen: 4.730 ug/l
RT: 9.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

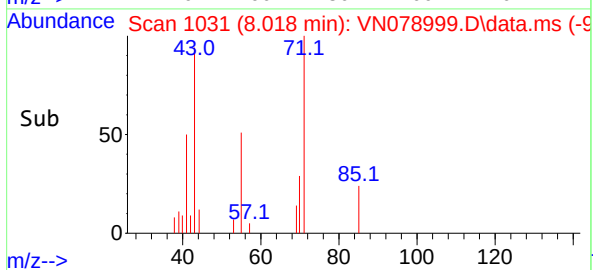
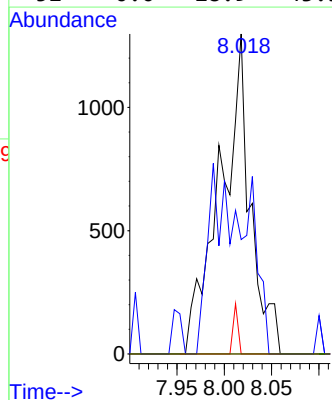
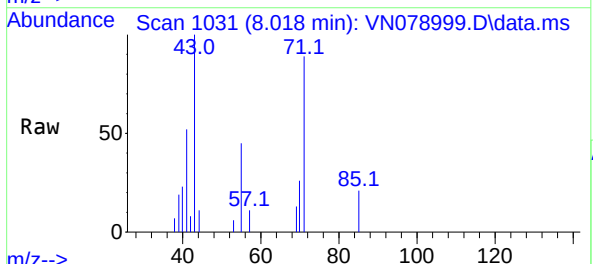
Instrument :
MSVOA_X
ClientSampleId :

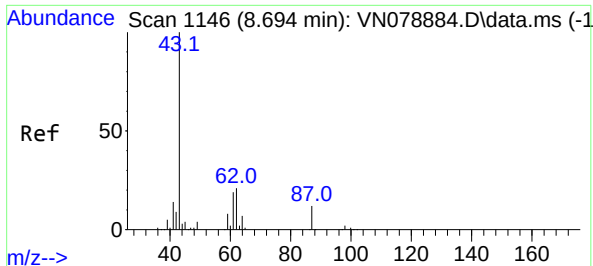
Tgt Ion: 83 Resp: 15380
Ion Ratio Lower Upper
83 100
55 83.8 49.1 73.7#
98 35.9 40.6 61.0#



#41
Methacrylonitrile
Concen: 1.332 ug/l
RT: 8.018 min Scan# 1031
Delta R.T. 0.224 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

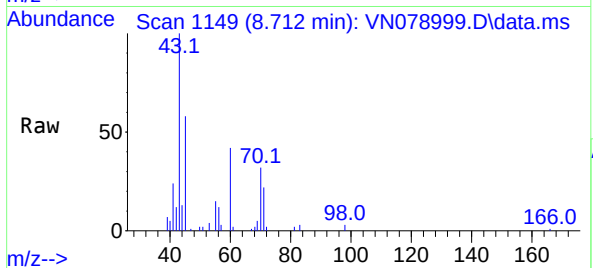
Tgt Ion: 41 Resp: 2869
Ion Ratio Lower Upper
41 100
39 0.0 42.6 64.0#
67 2.5 77.5 116.3#
52 0.0 28.9 43.3#



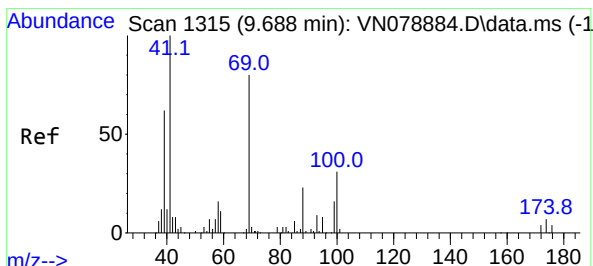
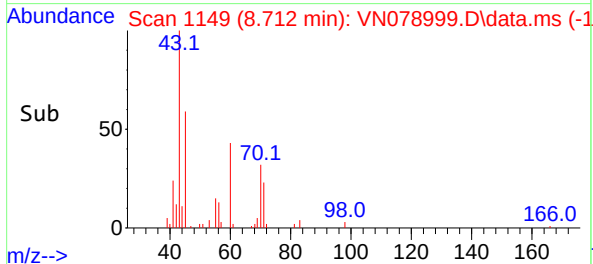
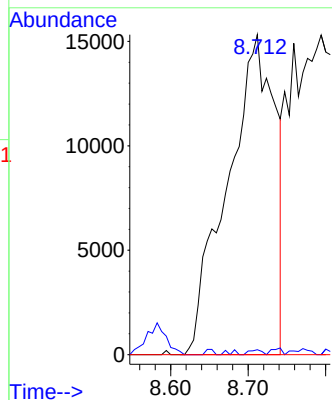


#43
Isopropyl Acetate
Concen: 9.314 ug/l
RT: 8.712 min Scan# 1146
Delta R.T. 0.018 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Instrument :
MSVOA_X
ClientSampleId :

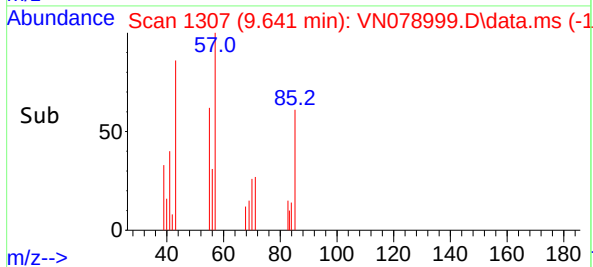
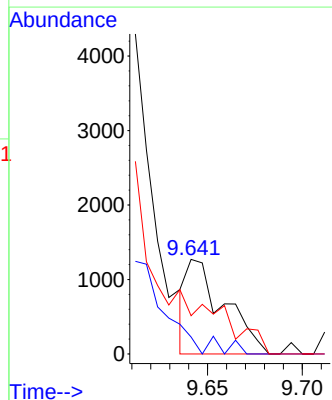
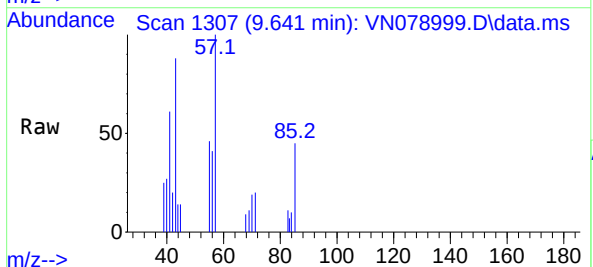


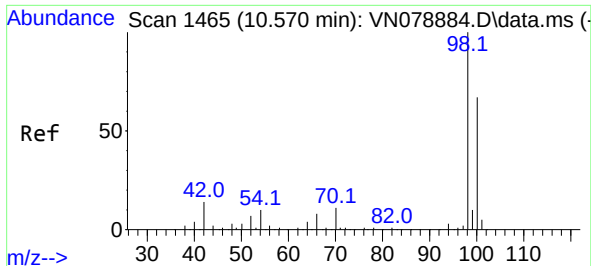
Tgt Ion: 43 Resp: 65117
Ion Ratio Lower Upper
43 100
61 0.4 24.7 37.1#
87 0.0 14.6 21.8#



#48
Methyl methacrylate
Concen: 0.548 ug/l
RT: 9.641 min Scan# 1307
Delta R.T. -0.047 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion: 41 Resp: 1737
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#

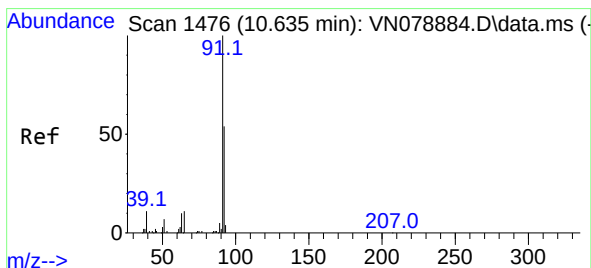
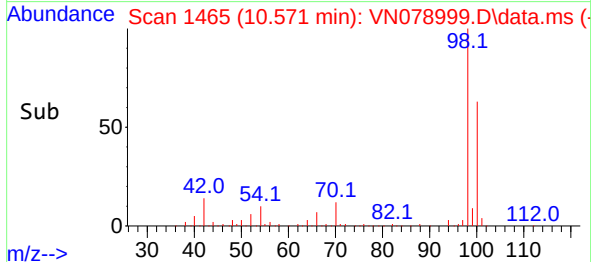
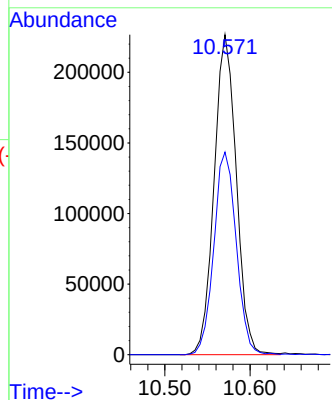
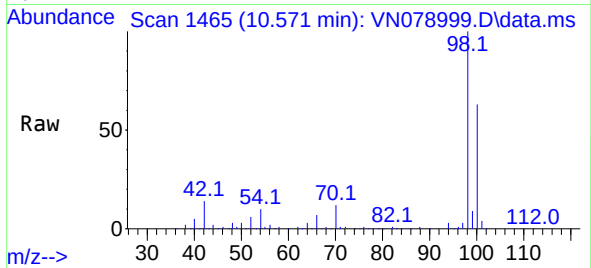




#50
Toluene-d8
Concen: 46.962 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

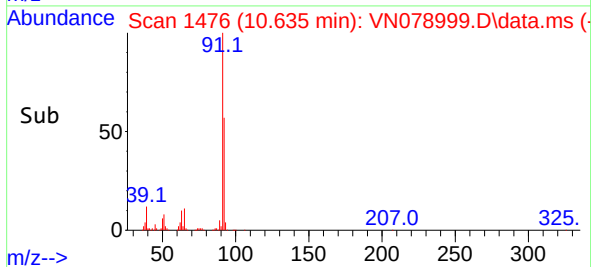
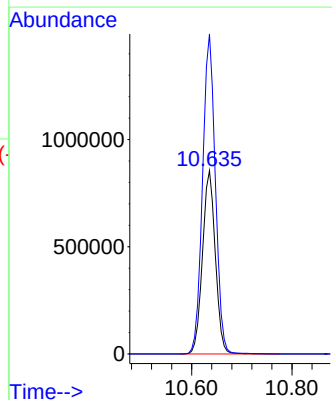
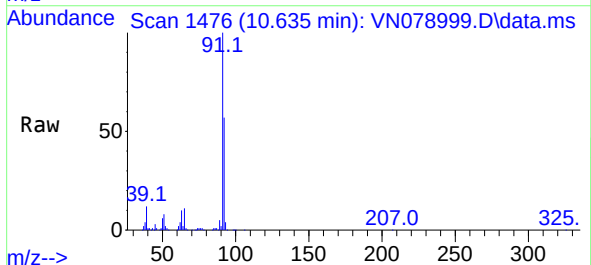
Instrument :
MSVOA_X
ClientSampleId :

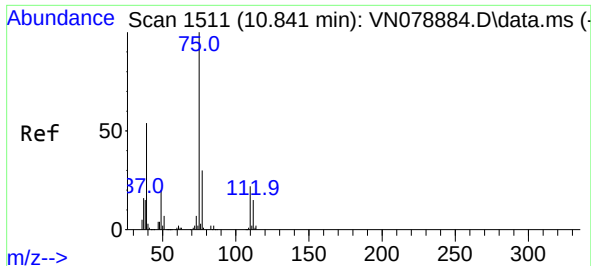
Tgt Ion: 98 Resp: 409804
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#52
Toluene
Concen: 236.753 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

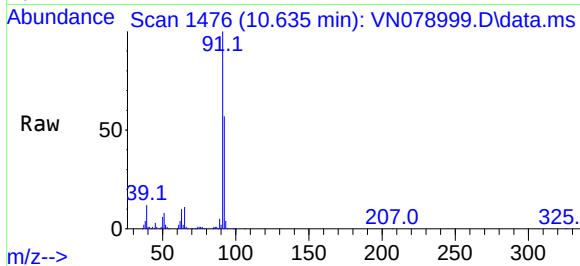
Tgt Ion: 92 Resp: 1518873
Ion Ratio Lower Upper
92 100
91 174.2 137.4 206.0



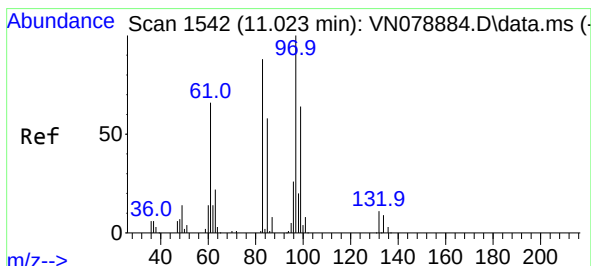
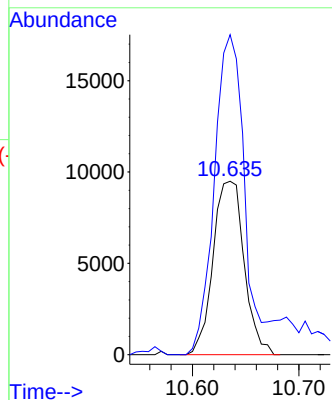
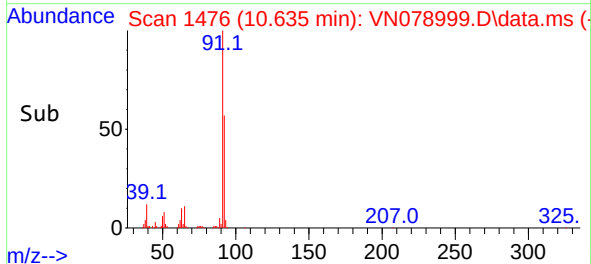


#53
t-1,3-Dichloropropene
Concen: 4.768 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.206 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

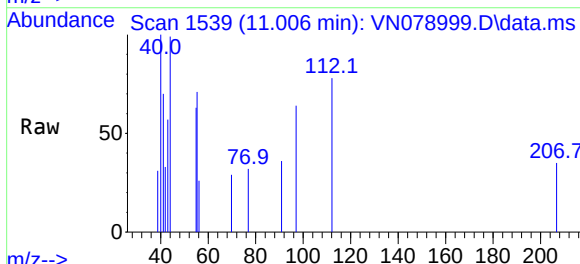
Instrument :
MSVOA_X
ClientSampleId :



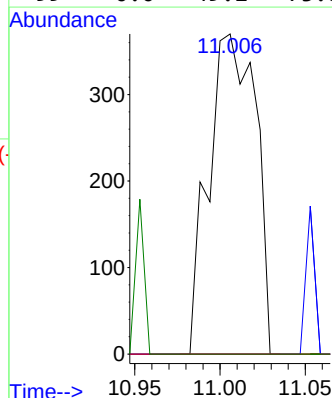
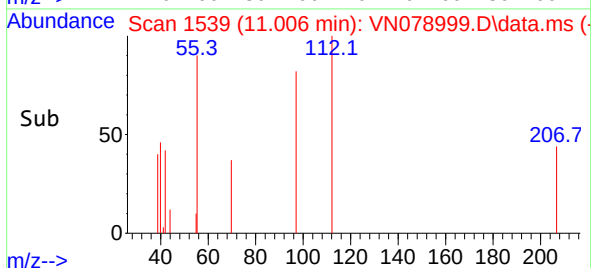
Tgt Ion: 75 Resp: 19265
Ion Ratio Lower Upper
75 100
77 184.5 25.4 38.0#

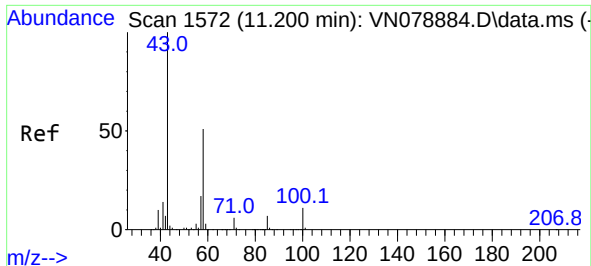


#55
1,1,2-Trichloroethane
Concen: 0.276 ug/l
RT: 11.006 min Scan# 1539
Delta R.T. -0.018 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12



Tgt Ion: 97 Resp: 711
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 0.0 43.4 65.2#
99 0.0 49.2 73.8#

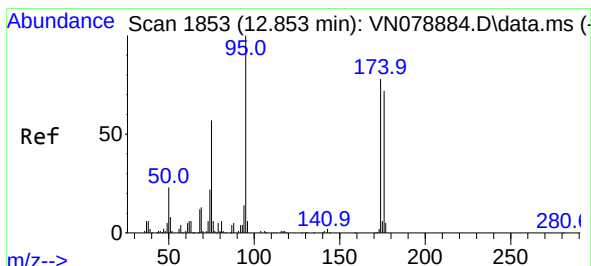
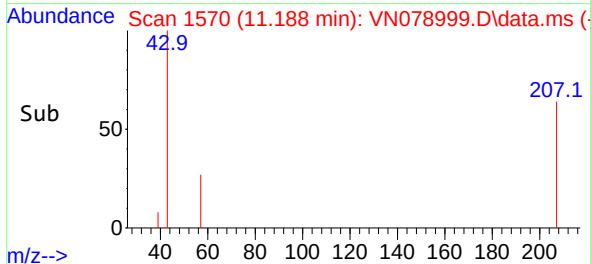
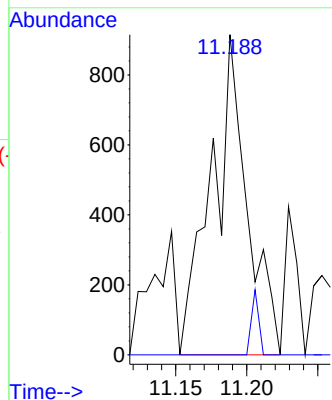
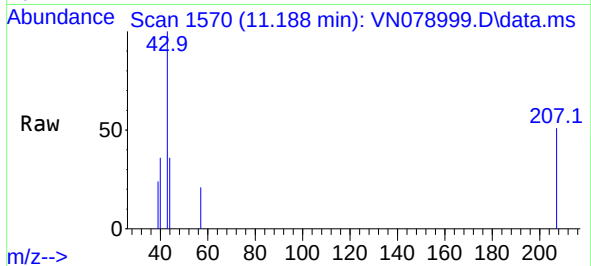




#59
2-Hexanone
Concen: 0.531 ug/l
RT: 11.188 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

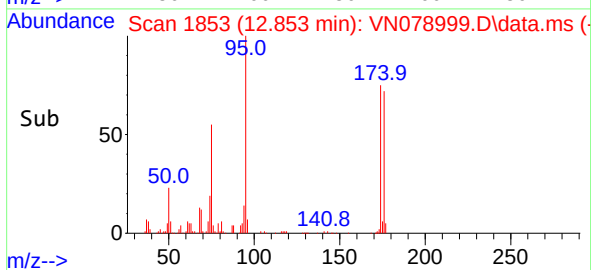
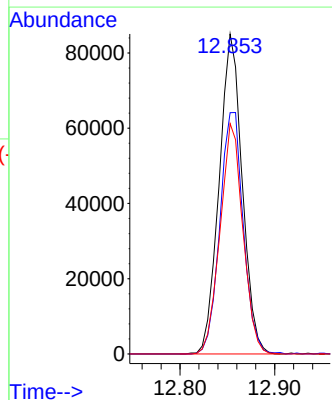
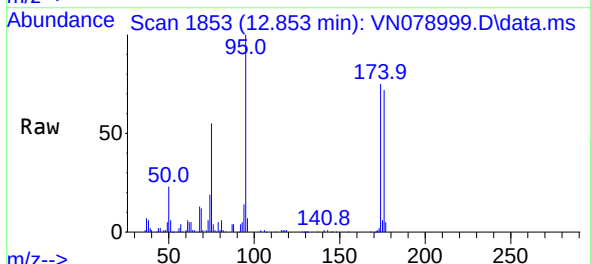
Instrument :
MSVOA_X
ClientSampleId :

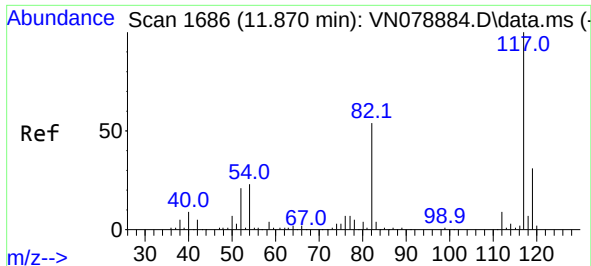
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
58 4.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.369 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

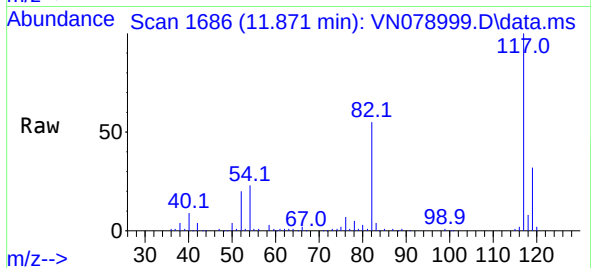
Tgt Ion: 95 Resp: 143666
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 71.2 0.0 135.8



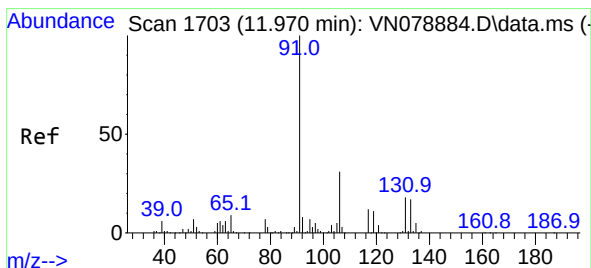
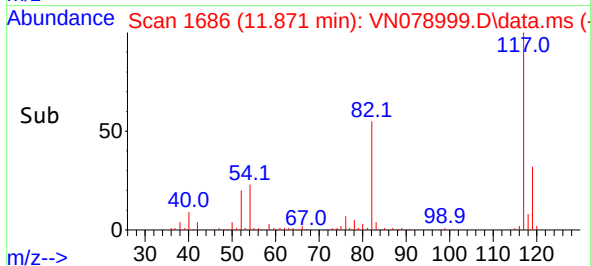
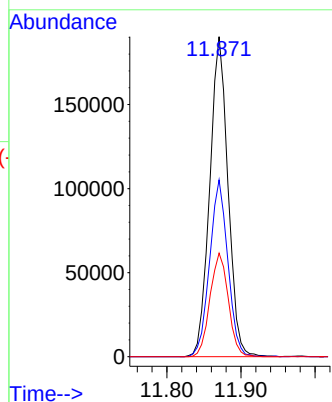


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Instrument :
MSVOA_X
ClientSampleId :

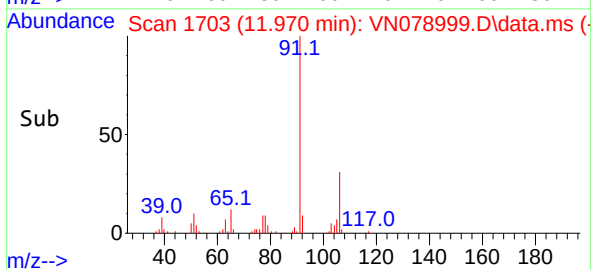
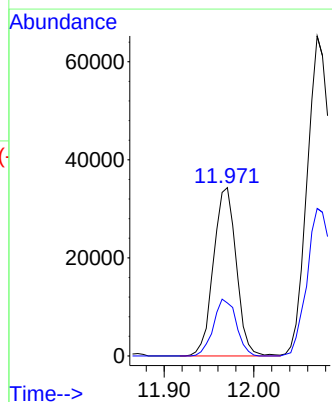
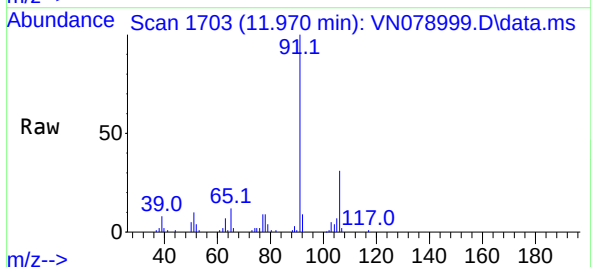


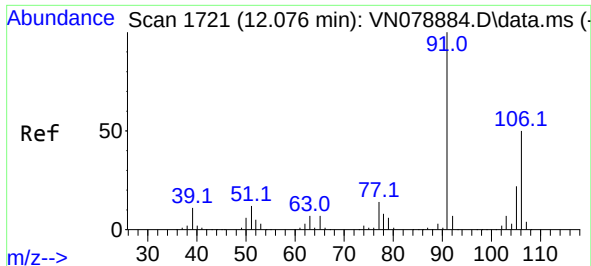
Tgt Ion:117 Resp: 325552
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 32.3 25.6 38.4



#67
Ethyl Benzene
Concen: 4.812 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion: 91 Resp: 60639
Ion Ratio Lower Upper
91 100
106 31.5 25.6 38.4

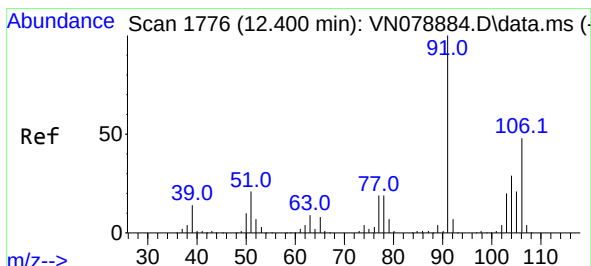
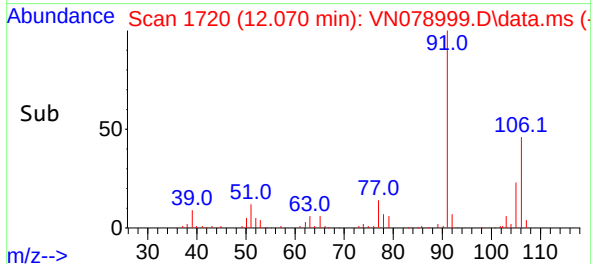
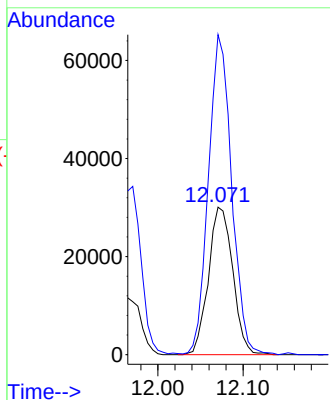
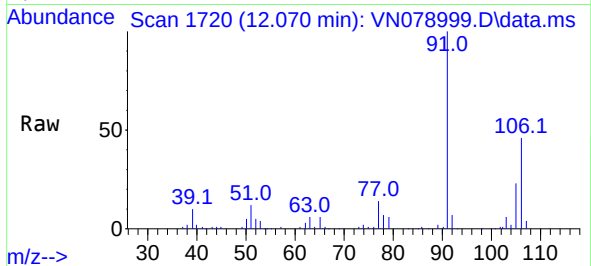




#68
m/p-Xylenes
Concen: 12.679 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

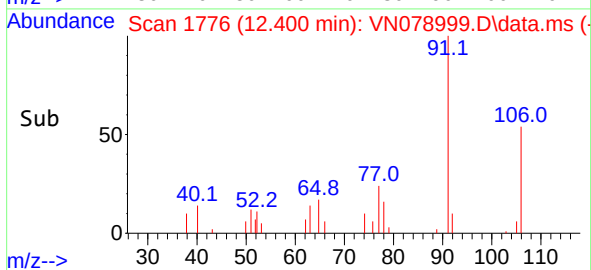
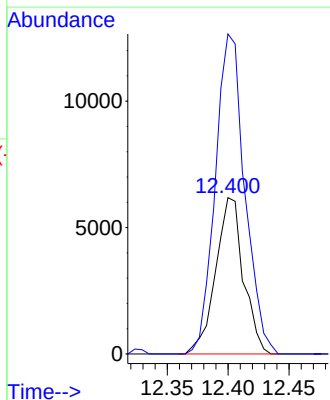
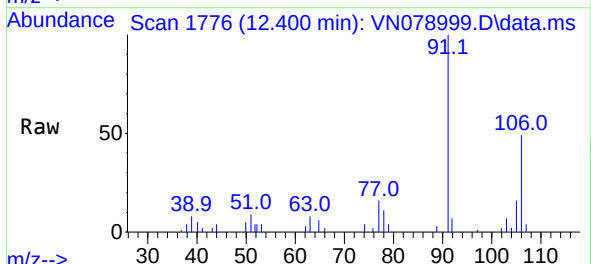
Instrument :
MSVOA_X
ClientSampleId :

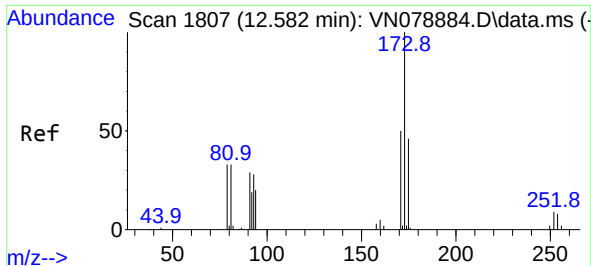
Tgt Ion:106 Resp: 59739
Ion Ratio Lower Upper
106 100
91 206.6 159.6 239.4



#69
o-Xylene
Concen: 2.148 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion:106 Resp: 9845
Ion Ratio Lower Upper
106 100
91 217.1 105.2 315.5

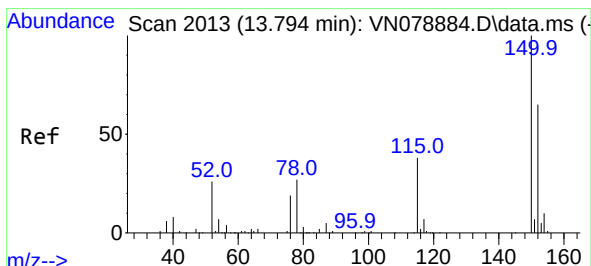
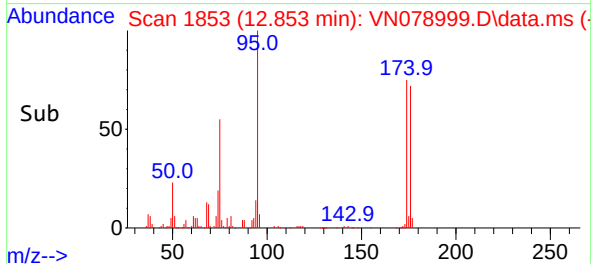
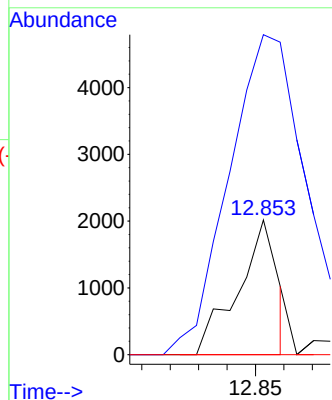
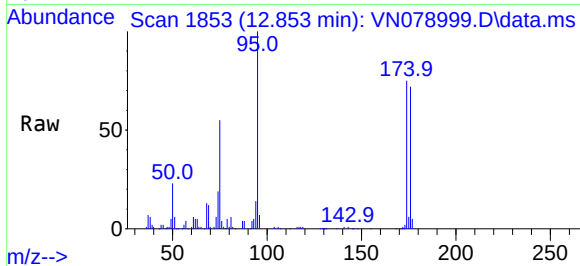




#71
Bromoform
Concen: 1.029 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

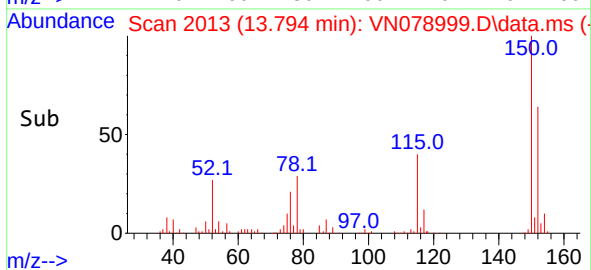
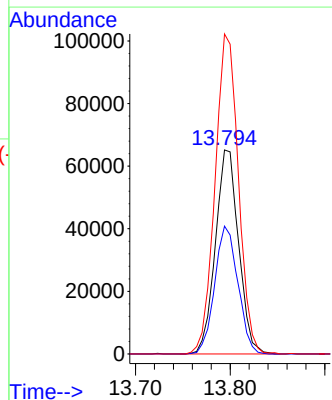
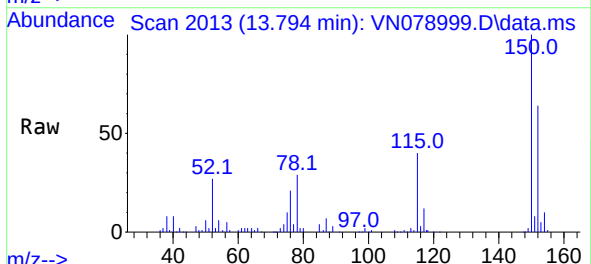
Instrument :
MSVOA_X
ClientSampleId :

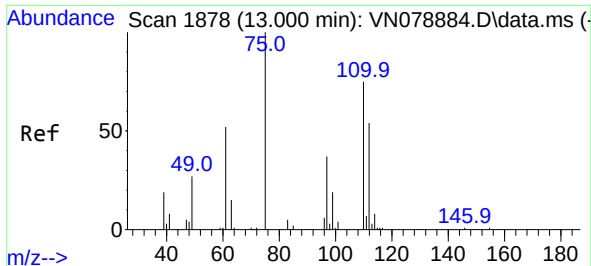
Tgt Ion:173 Resp: 1959
Ion Ratio Lower Upper
173 100
175 334.4 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Tgt Ion:152 Resp: 110959
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 157.9 0.0 355.8

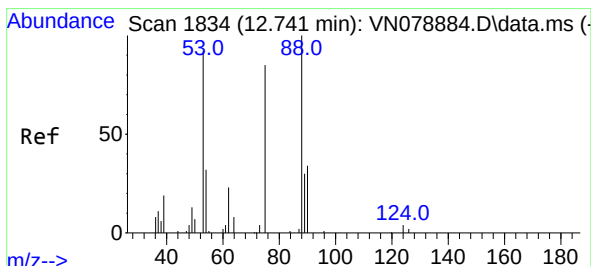
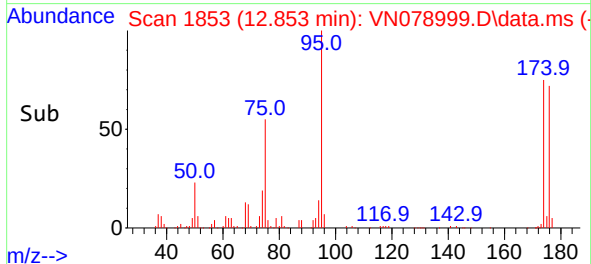
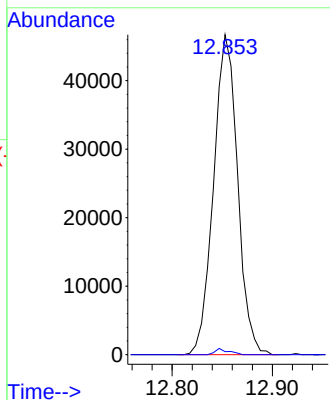
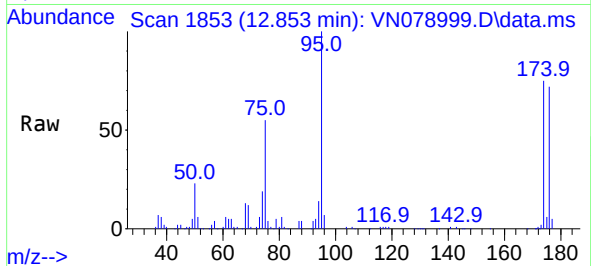




#76
1,2,3-Trichloropropane
Concen: 29.047 ug/l
RT: 12.853 min Scan# 1878
Delta R.T. -0.147 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

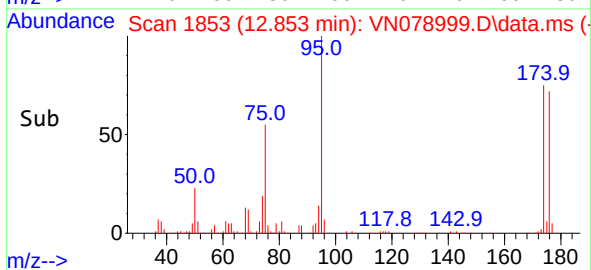
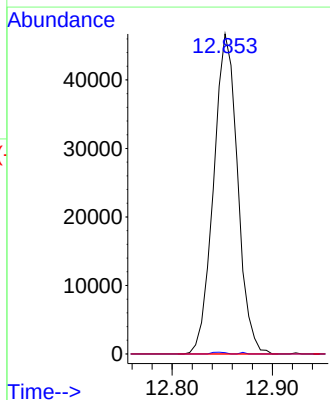
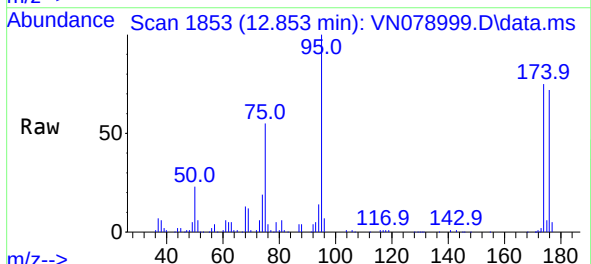
Instrument :
MSVOA_X
ClientSampleId :

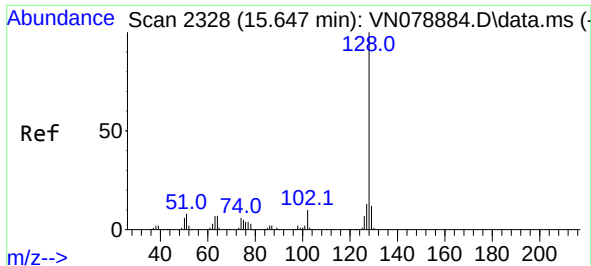
Tgt Ion: 75 Resp: 77660
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.203 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

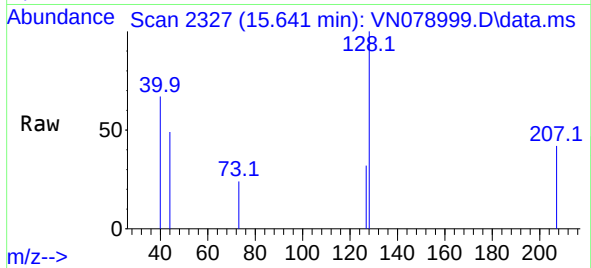
Tgt Ion: 75 Resp: 77660
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.830 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078999.D
Acq: 22 Aug 2023 17:12

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1375
Ion Ratio Lower Upper
128 100
127 6.2 10.0 15.0#
129 4.3 8.7 13.1#

