

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
 Data File : VN084530.D
 Acq On : 28 Oct 2024 10:40
 Operator : JC\MD
 Sample : VN1028MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028MBL01

Quant Time: Oct 28 14:14:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

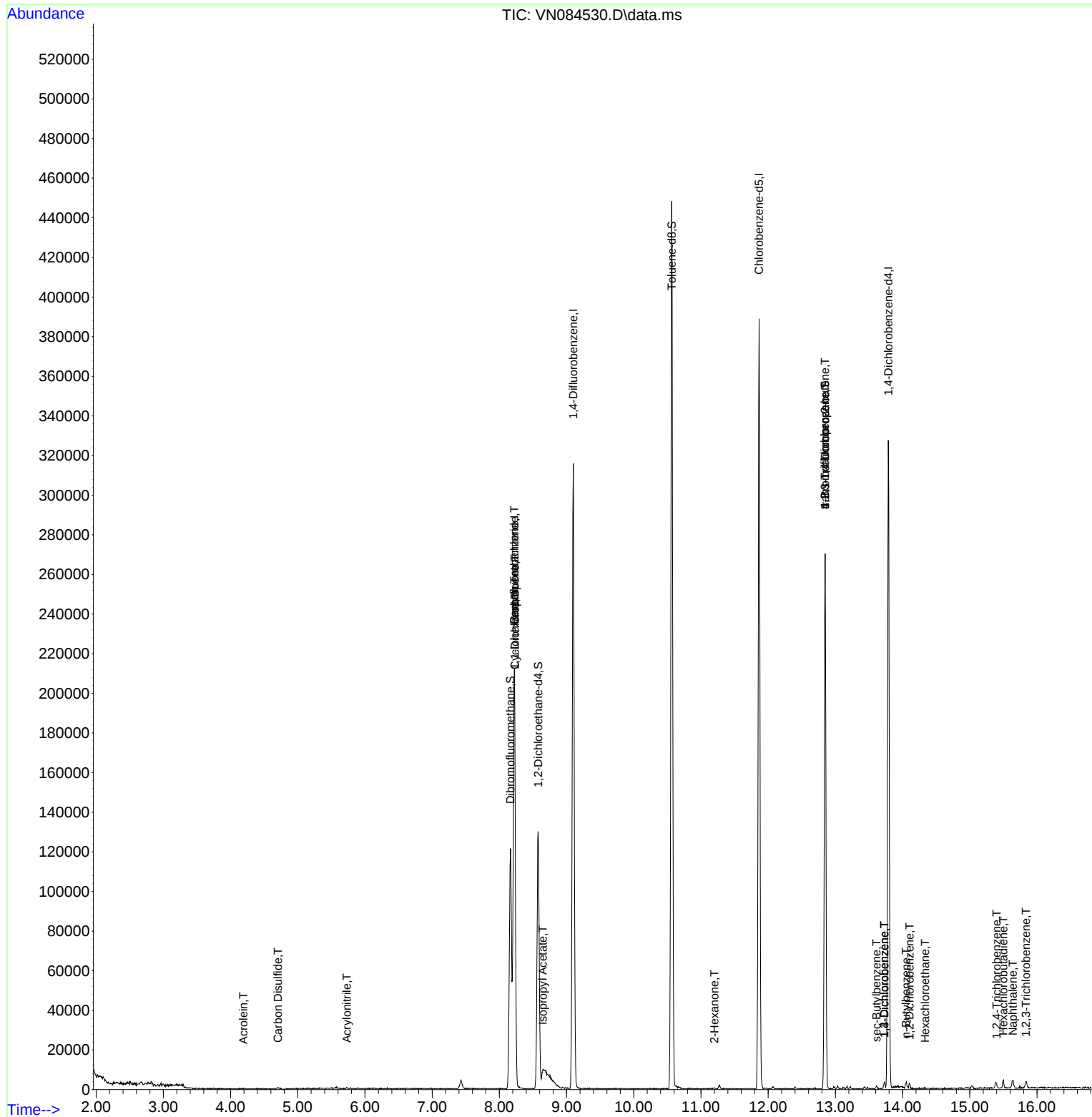
Internal Standards						
1) Pentafluorobenzene	8.224	168	150918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109717	49.032	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.060%		
35) Dibromofluoromethane	8.165	113	87621	49.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	10.565	98	304166	47.051	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.100%		
62) 4-Bromofluorobenzene	12.847	95	93608	39.747	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	79.500%		
Target Compounds					Qvalue	
13) Acrolein	4.189	56	200	0.472	ug/l #	14
15) Acrylonitrile	5.730	53	306	0.328	ug/l #	73
17) Carbon Disulfide	4.706	76	1785	0.332	ug/l #	75
31) Cyclohexane	8.230	56	3441	1.038	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	13408	5.253	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16360	5.843	ug/l #	18
43) Isopropyl Acetate	8.647	43	6859	1.337	ug/l #	56
59) 2-Hexanone	11.200	43	649	0.348	ug/l #	60
76) 1,2,3-Trichloropropane	12.847	75	49324	27.350	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	49324	65.572	ug/l #	11
85) sec-Butylbenzene	13.612	105	1483	0.227	ug/l	91
87) 1,3-Dichlorobenzene	13.729	146	955	0.313	ug/l	85
88) 1,4-Dichlorobenzene	13.729	146	955	0.310	ug/l	85
89) n-Butylbenzene	14.053	91	2213	0.453	ug/l	90
90) Hexachloroethane	14.335	117	234	0.214	ug/l #	53
91) 1,2-Dichlorobenzene	14.106	146	815	0.272	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	1439	0.977	ug/l	90
94) Hexachlorobutadiene	15.500	225	828	1.127	ug/l	82
95) Naphthalene	15.641	128	5077	1.040	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.835	180	1859	1.261	ug/l	82

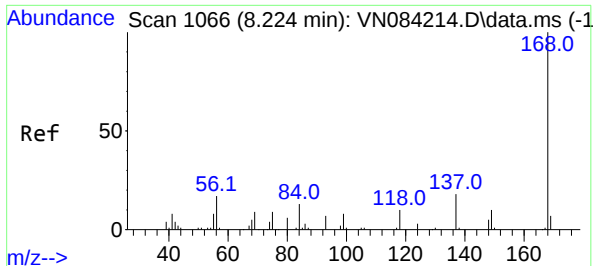
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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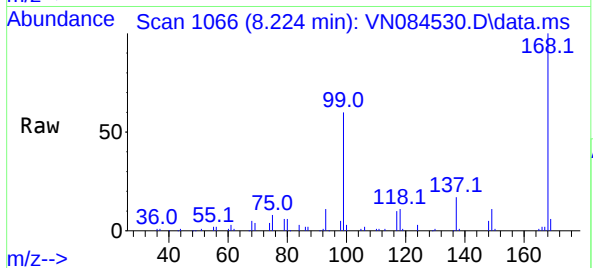
Quant Time: Oct 28 14:14:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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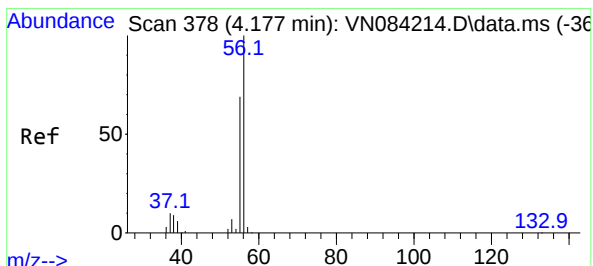
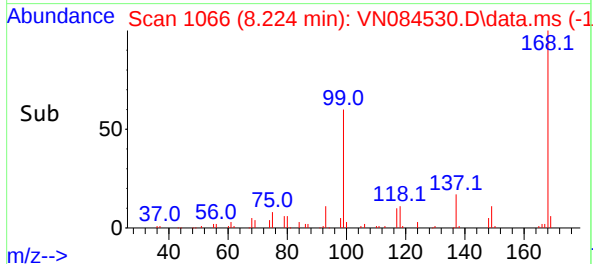
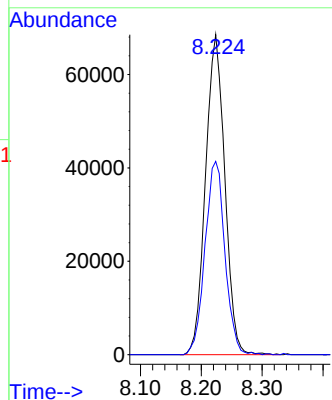


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

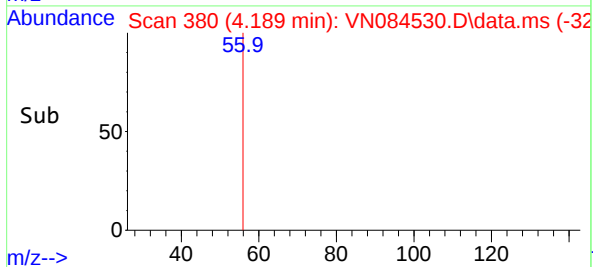
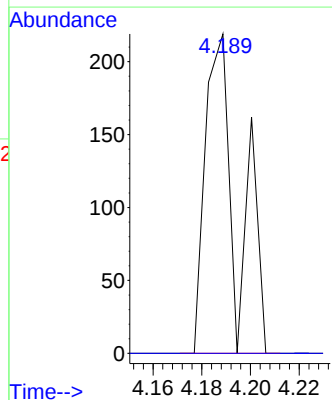
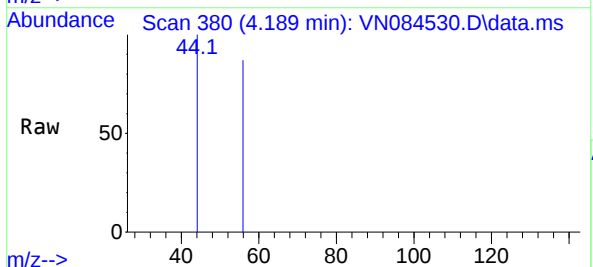


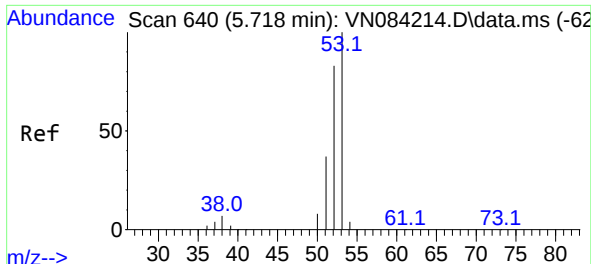
Tgt Ion:168 Resp: 150918
Ion Ratio Lower Upper
168 100
99 60.4 54.2 81.2



#13
Acrolein
Concen: 0.472 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#

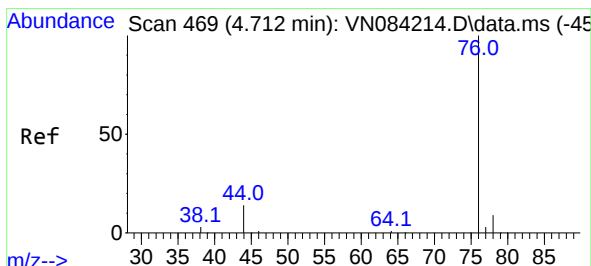
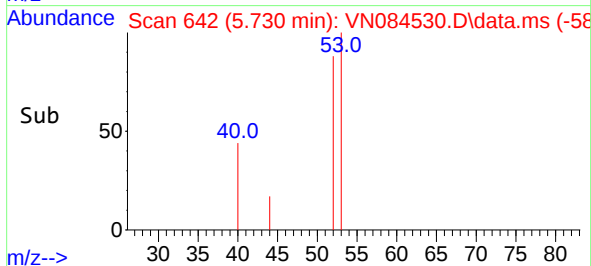
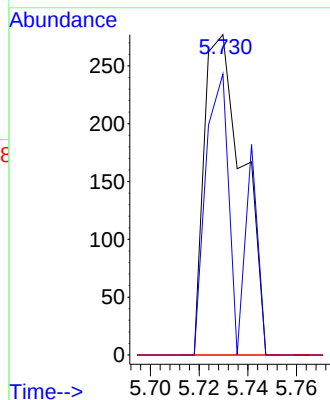
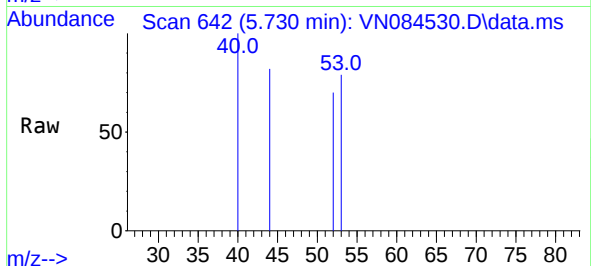




#15
Acrylonitrile
Concen: 0.328 ug/l
RT: 5.730 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

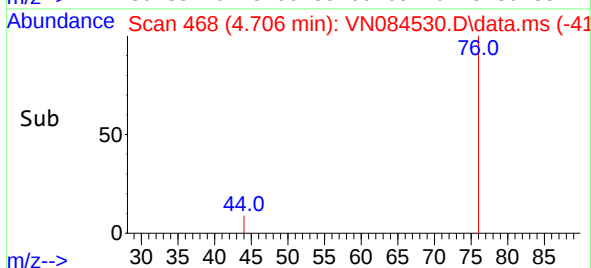
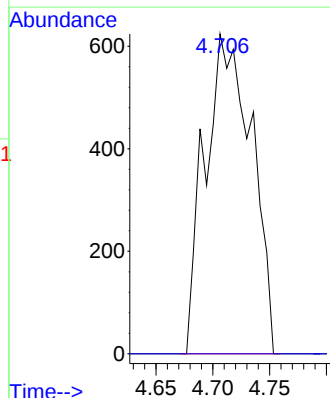
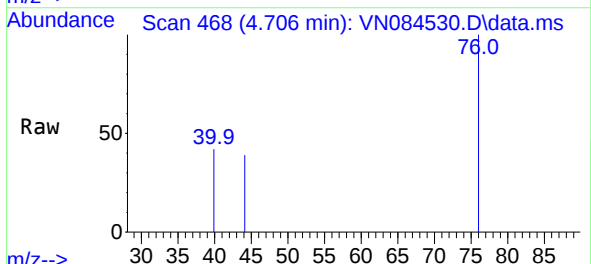
Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

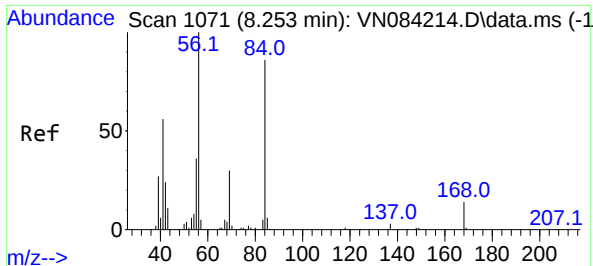
Tgt Ion: 53	Resp:	306	
Ion	Ratio	Lower	Upper
53	100		
52	71.9	66.2	99.4
51	0.0	28.8	43.2#



#17
Carbon Disulfide
Concen: 0.332 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion: 76	Resp:	1785	
Ion Ratio	Lower	Upper	
76	100		
78	0.0	7.3	10.9#

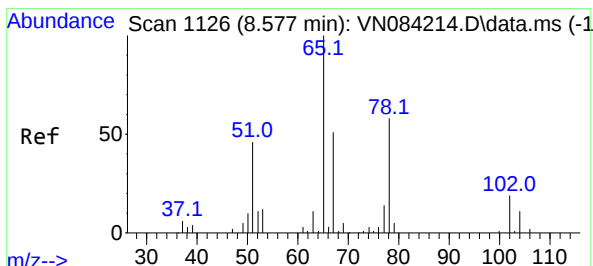
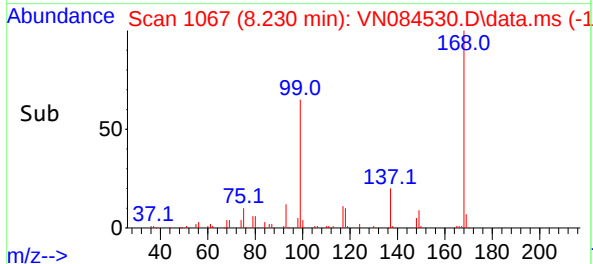
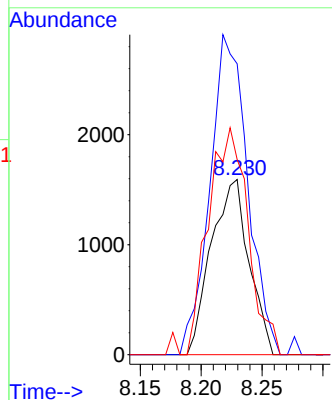
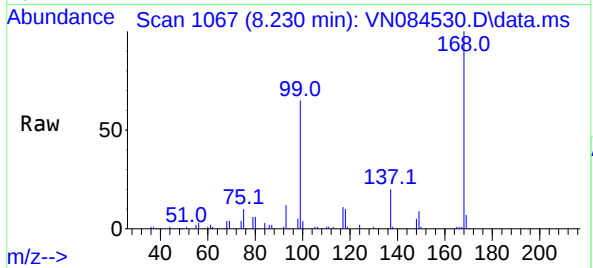




#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

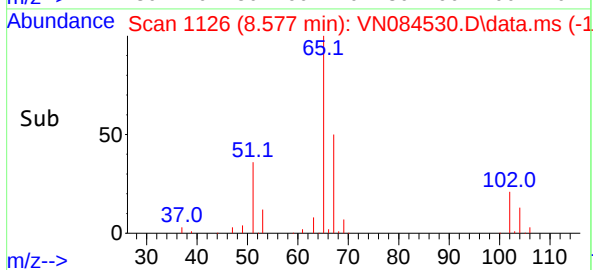
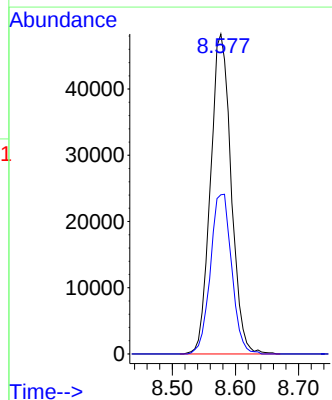
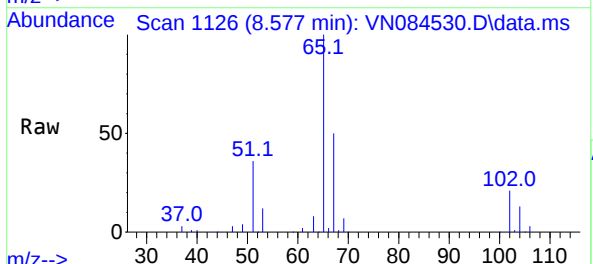
Instrument :
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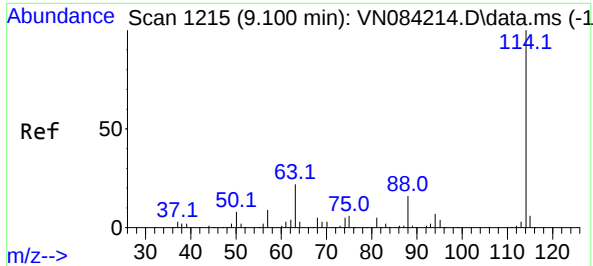
Tgt Ion: 56 Resp: 3441
Ion Ratio Lower Upper
56 100
69 166.0 23.8 35.6#
84 111.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.032 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion: 65 Resp: 109717
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0

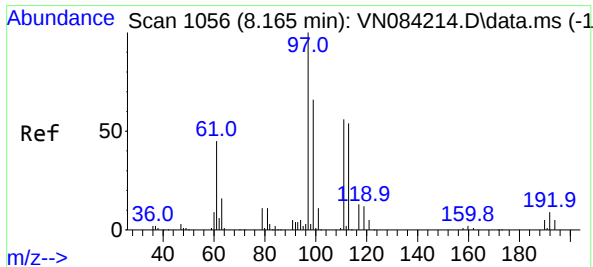
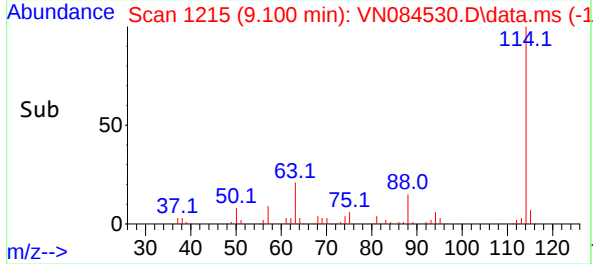
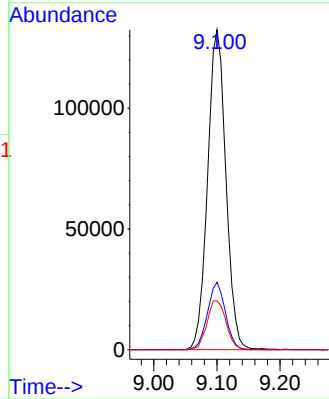
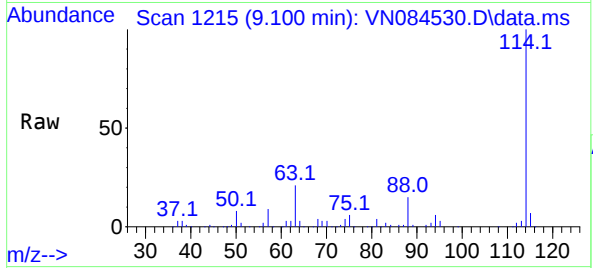




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

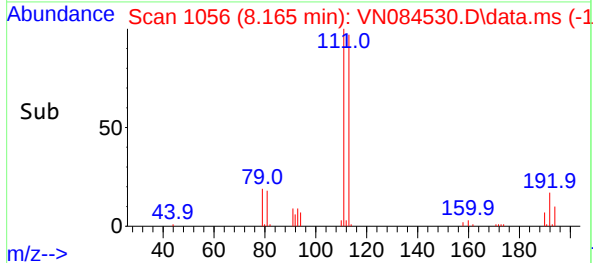
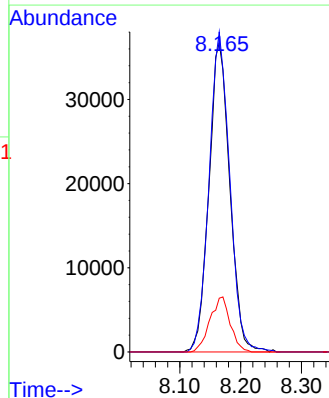
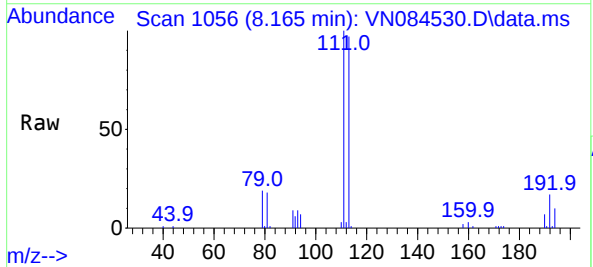
Instrument :
MSVOA_N
ClientSampleId :
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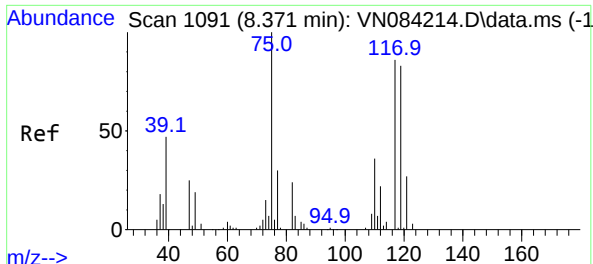
Tgt Ion:114 Resp: 266527
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.8
88 15.2 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.866 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion:113 Resp: 87621
Ion Ratio Lower Upper
113 100
111 102.1 83.3 124.9
192 17.3 13.5 20.3

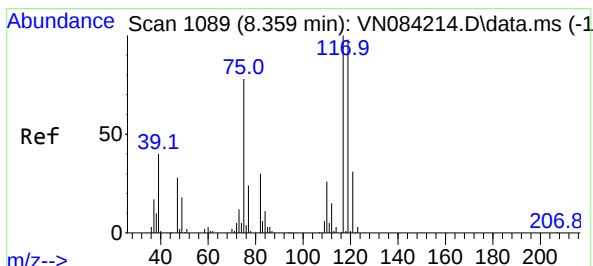
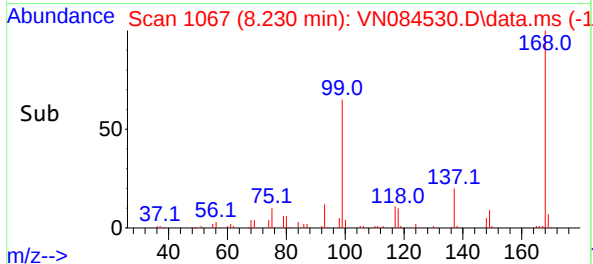
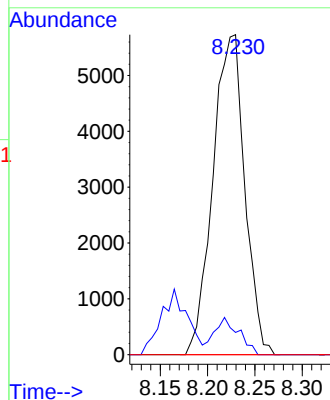
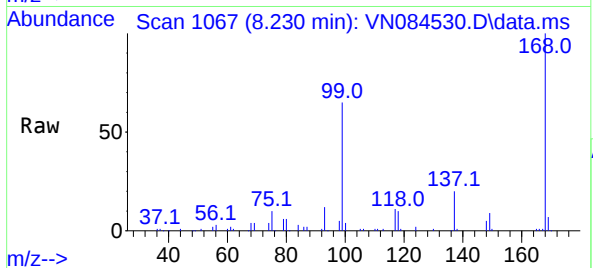




#36
1,1-Dichloropropene
Concen: 5.253 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

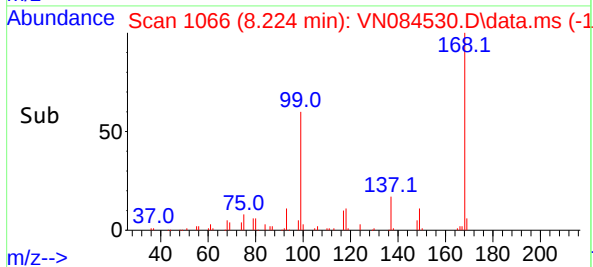
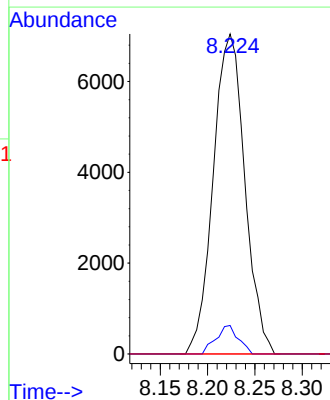
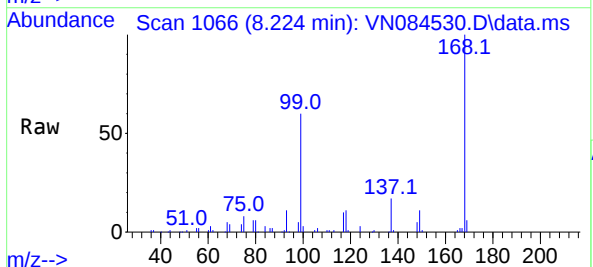
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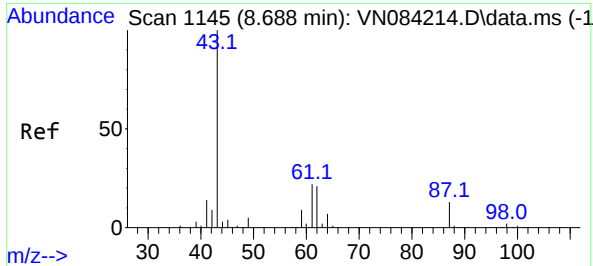
Tgt Ion: 75 Resp: 13408
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion: 117 Resp: 16360
Ion Ratio Lower Upper
117 100
119 8.9 78.7 118.1#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 1.337 ug/l

RT: 8.647 min Scan# 1138

Delta R.T. -0.041 min

Lab File: VN084530.D

Acq: 28 Oct 2024 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN1028MBL01

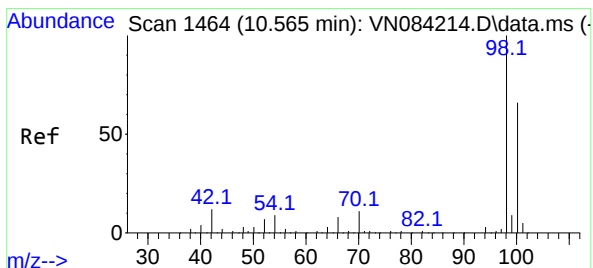
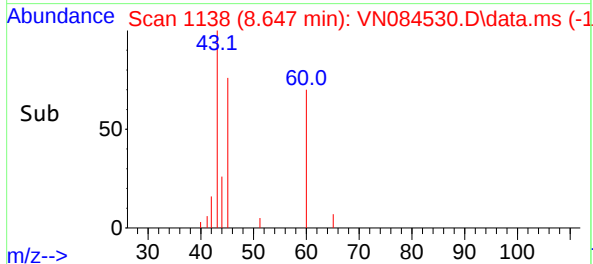
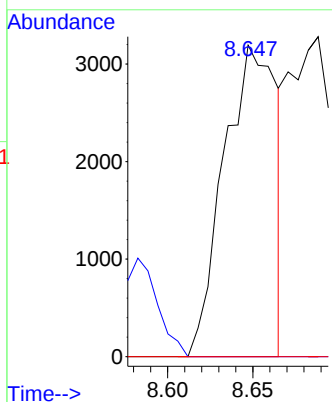
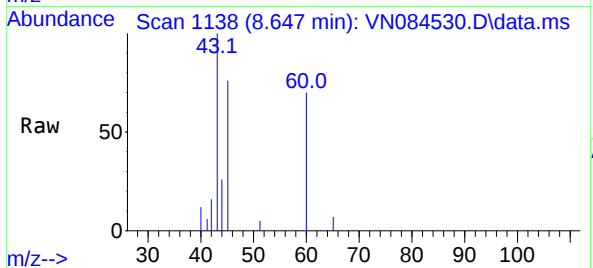
Tgt Ion: 43 Resp: 6859

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 47.051 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084530.D

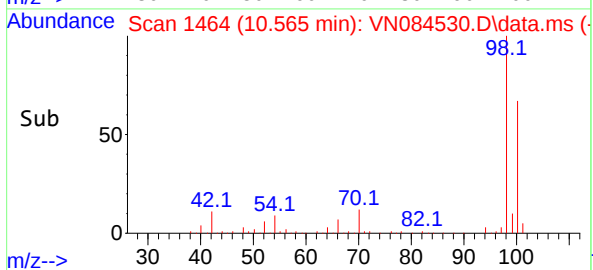
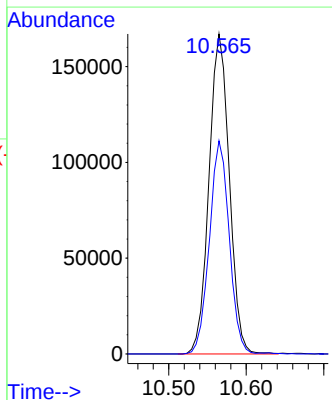
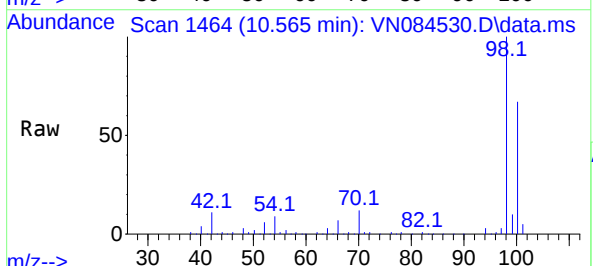
Acq: 28 Oct 2024 10:40

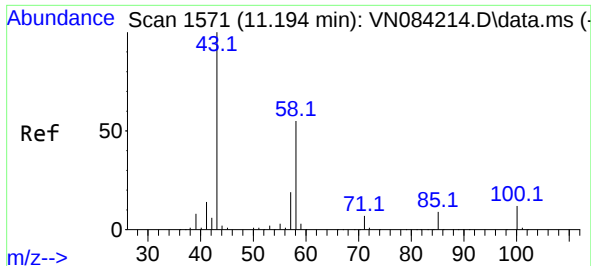
Tgt Ion: 98 Resp: 304166

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1

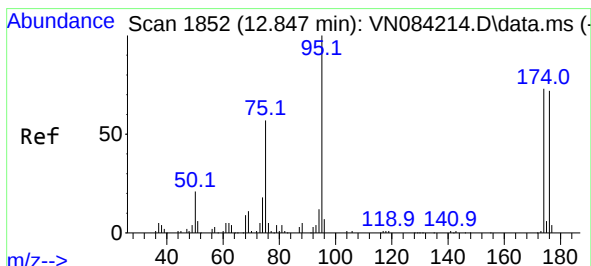
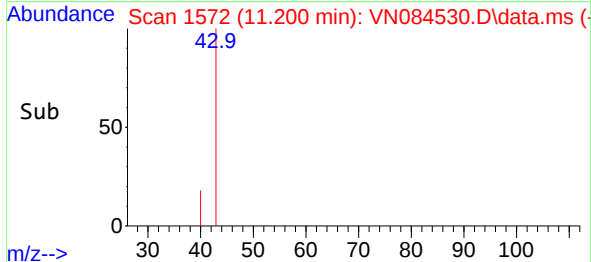
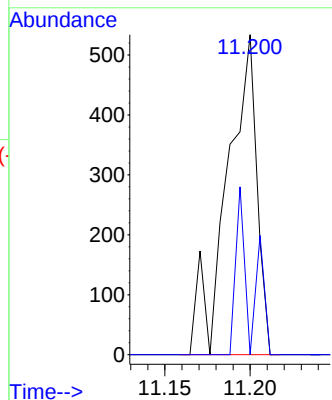
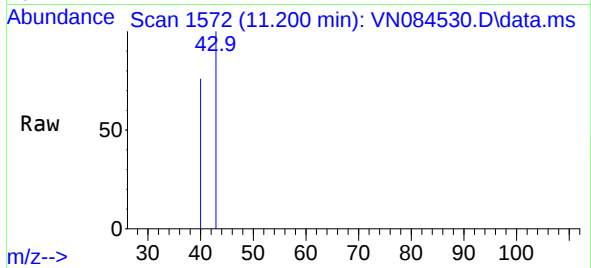




#59
2-Hexanone
Concen: 0.348 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

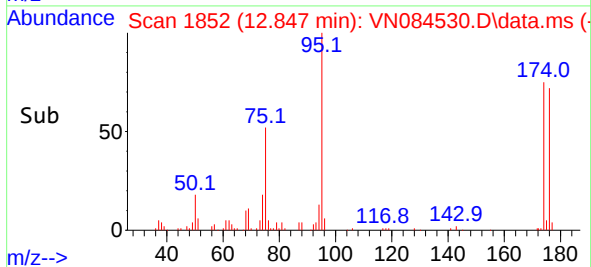
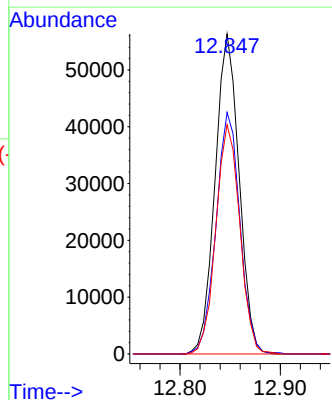
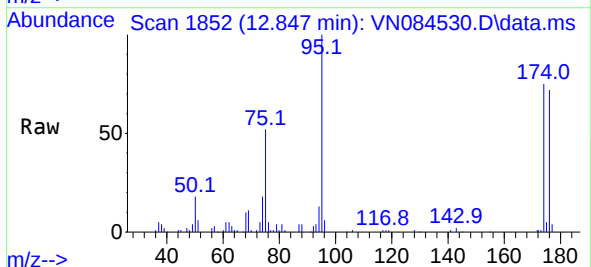
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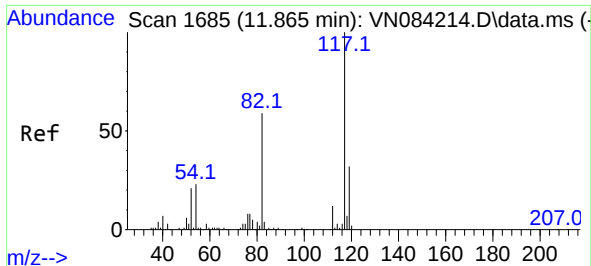
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 26.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 39.747 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion: 95 Resp: 93608
Ion Ratio Lower Upper
95 100
174 75.5 0.0 145.2
176 71.5 0.0 140.0

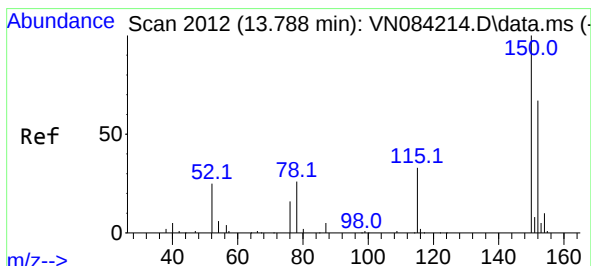
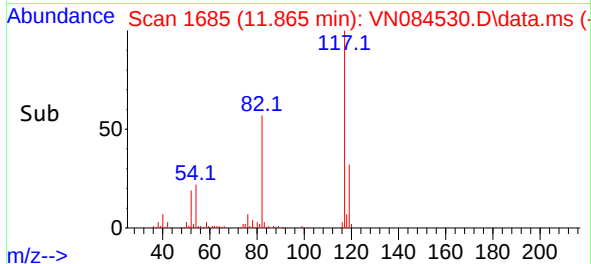
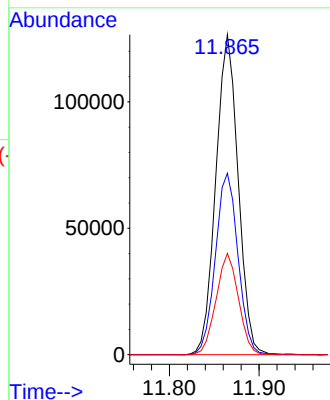
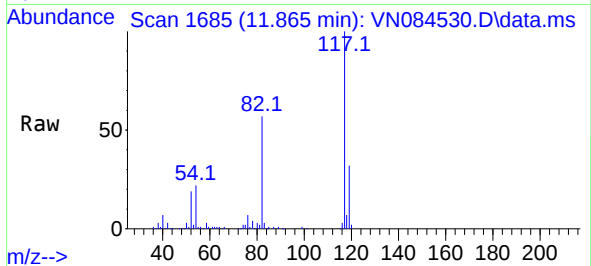




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

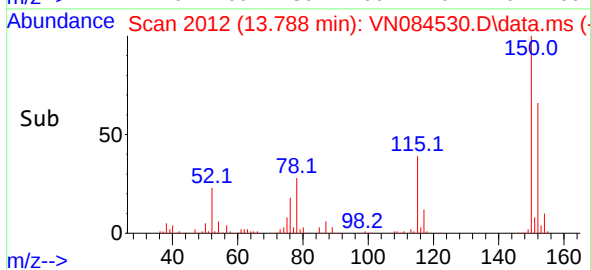
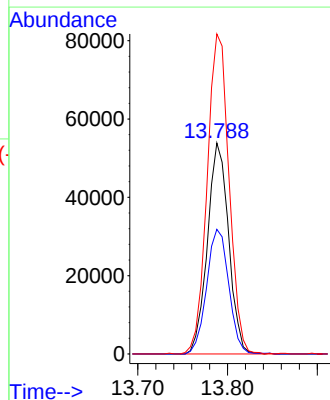
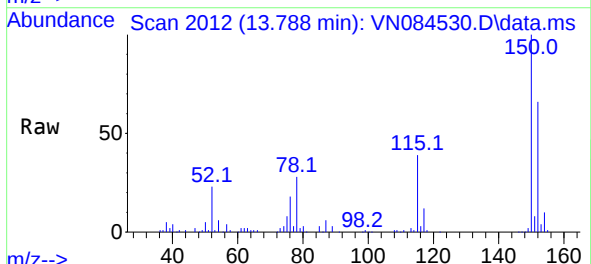
Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

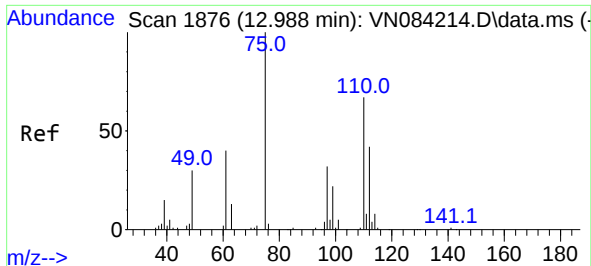
Tgt Ion:117 Resp: 218747
Ion Ratio Lower Upper
117 100
82 56.7 47.2 70.8
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion:152 Resp: 88336
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.9
150 156.4 0.0 349.8

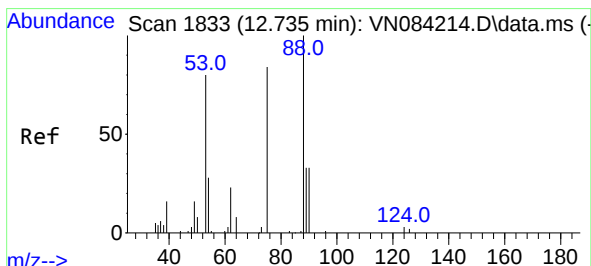
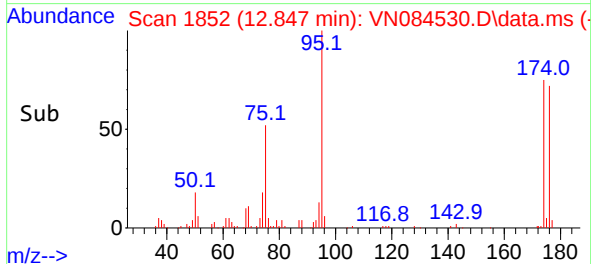
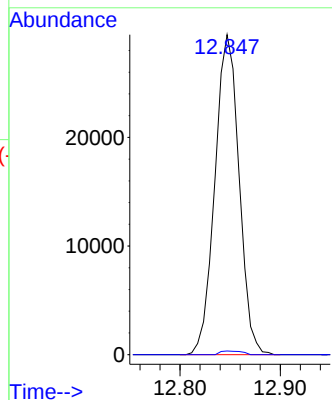
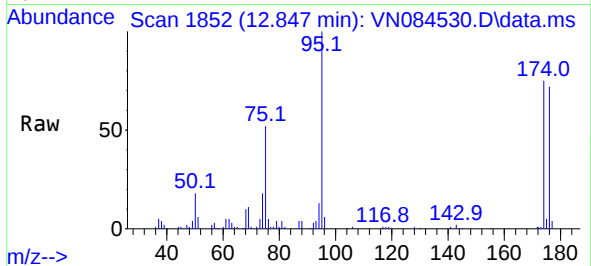




#76
1,2,3-Trichloropropane
Concen: 27.350 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

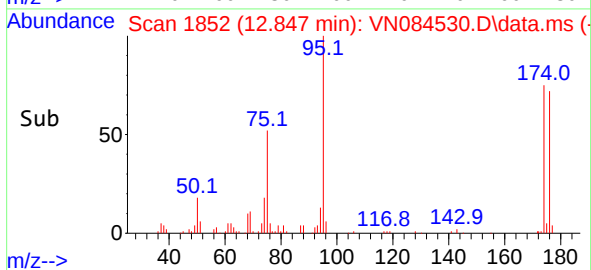
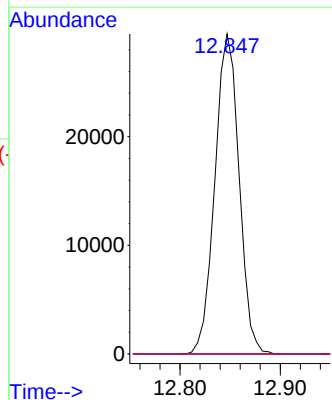
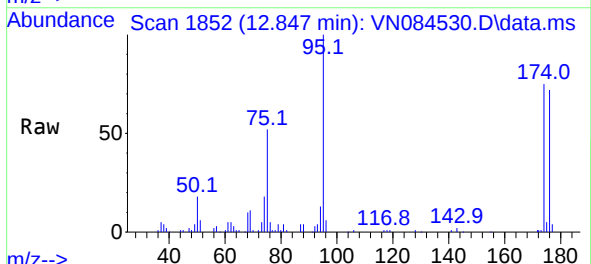
Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

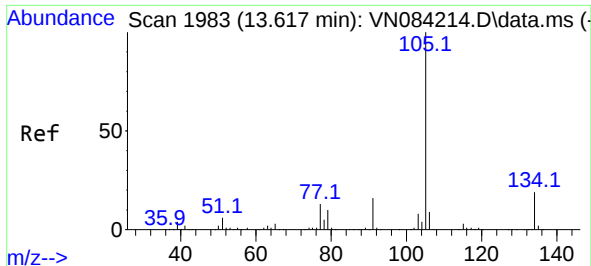
Tgt Ion: 75 Resp: 49324
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.572 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion: 75 Resp: 49324
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

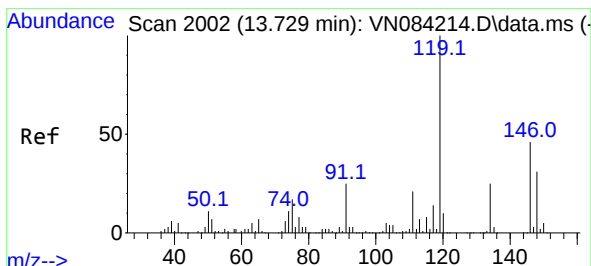
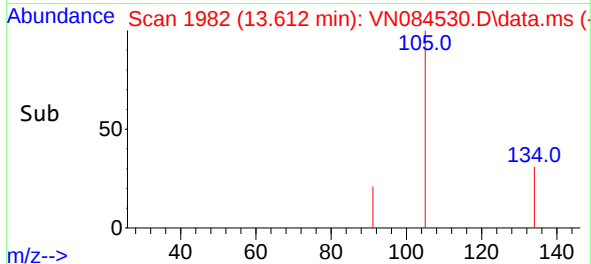
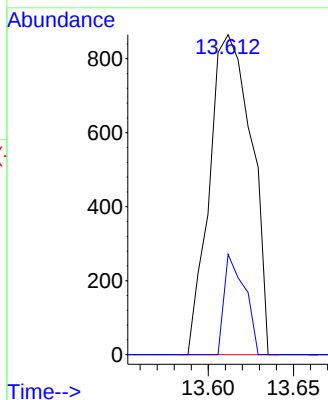
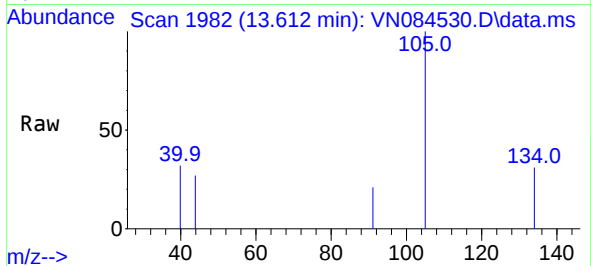




#85
sec-Butylbenzene
Concen: 0.227 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

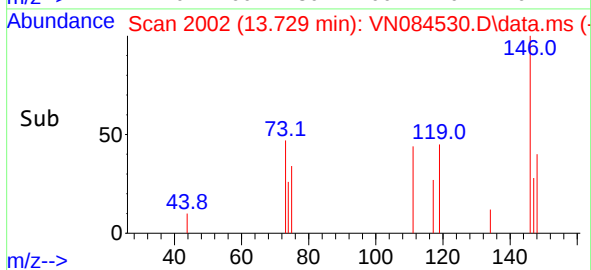
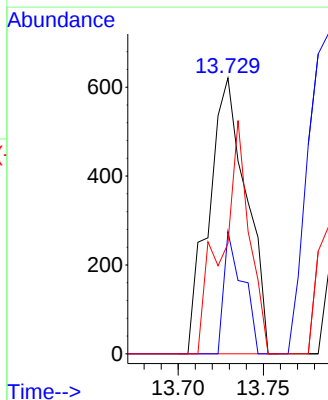
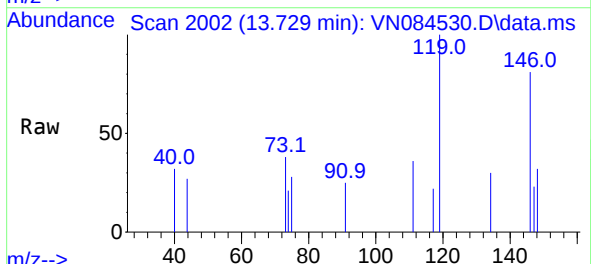
Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

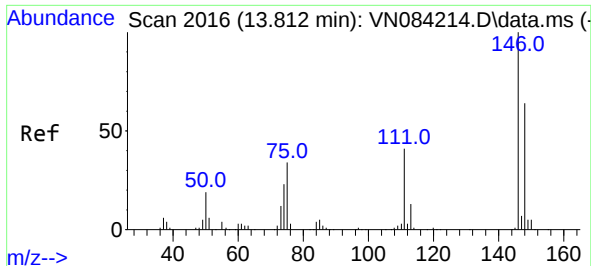
Tgt Ion:105 Resp: 1483
Ion Ratio Lower Upper
105 100
134 15.4 9.8 29.4



#87
1,3-Dichlorobenzene
Concen: 0.313 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion:146 Resp: 955
Ion Ratio Lower Upper
146 100
111 22.2 21.8 65.3
148 61.5 31.9 95.7



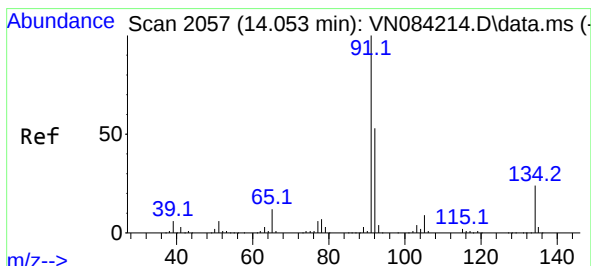
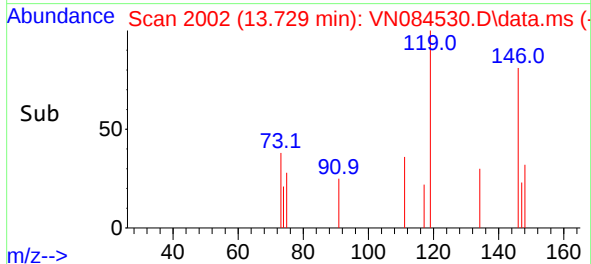
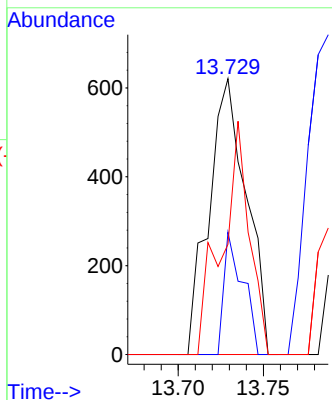
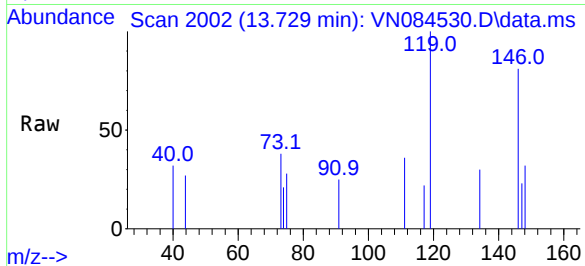


#88
1,4-Dichlorobenzene
Concen: 0.310 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

Tgt Ion:146 Resp: 955

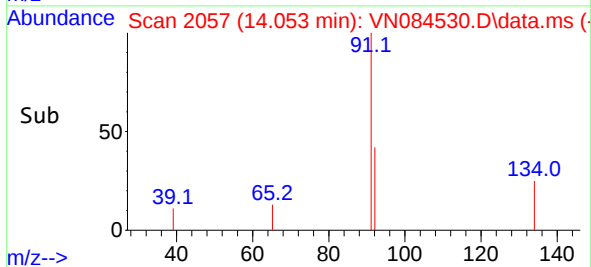
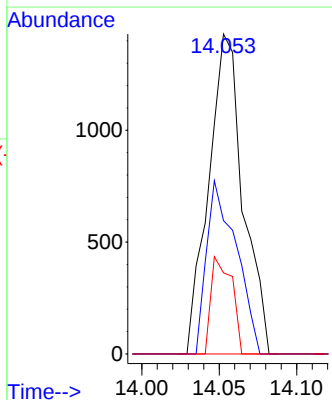
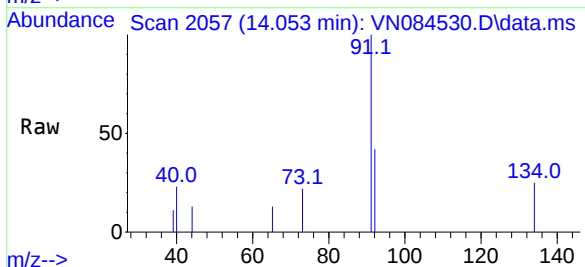
Ion	Ratio	Lower	Upper
146	100		
111	22.2	21.2	63.6
148	61.5	31.9	95.9

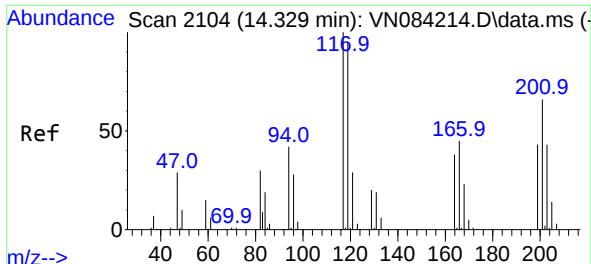


#89
n-Butylbenzene
Concen: 0.453 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion: 91 Resp: 2213

Ion	Ratio	Lower	Upper
91	100		
92	46.5	26.6	79.7
134	18.3	12.3	36.9

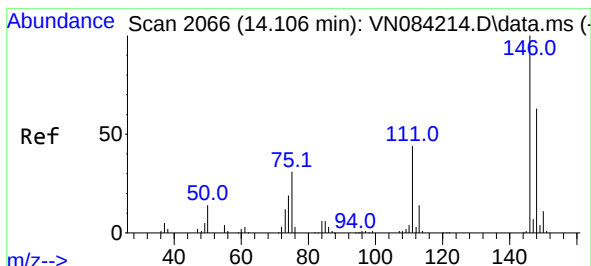
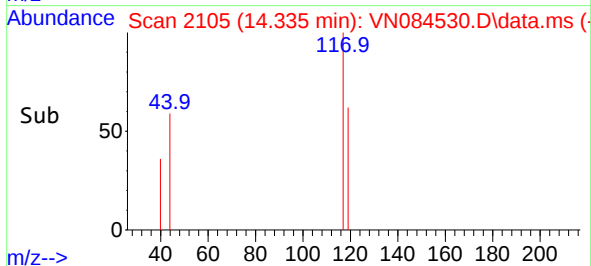
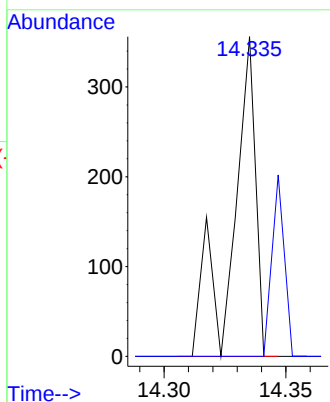
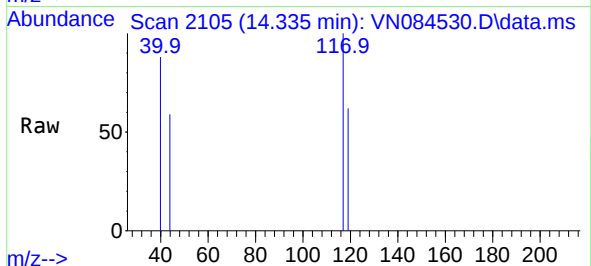




#90
Hexachloroethane
Concen: 0.214 ug/l
RT: 14.335 min Scan# 2104
Delta R.T. 0.006 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

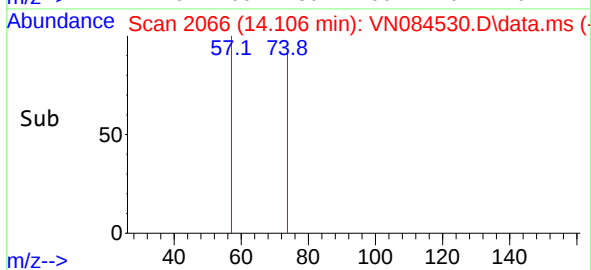
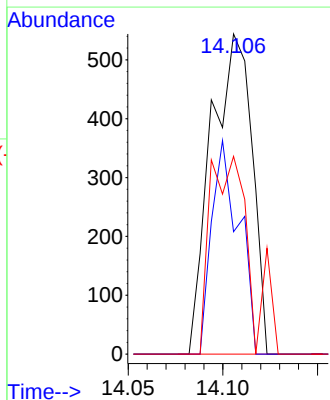
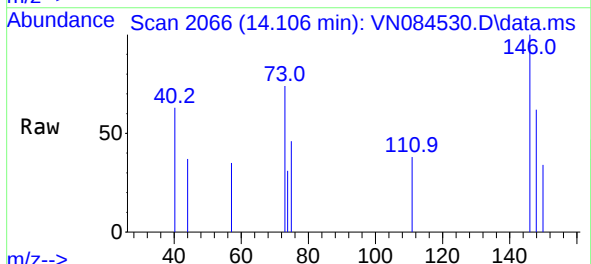
Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

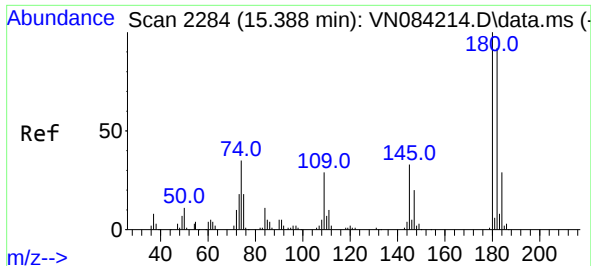
Tgt Ion:117 Resp: 234
Ion Ratio Lower Upper
117 100
201 30.3 34.4 103.2#



#91
1,2-Dichlorobenzene
Concen: 0.272 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion:146 Resp: 815
Ion Ratio Lower Upper
146 100
111 44.7 22.0 66.0
148 59.8 32.1 96.3

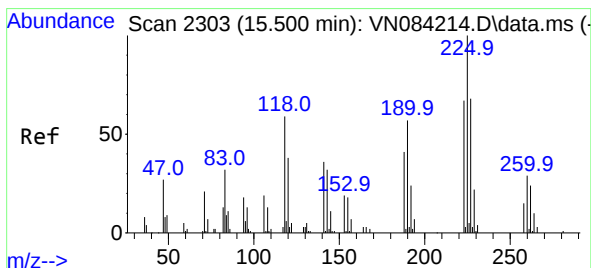
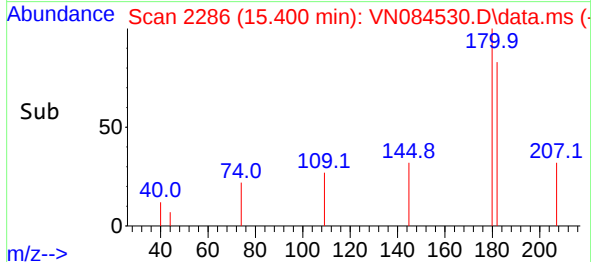
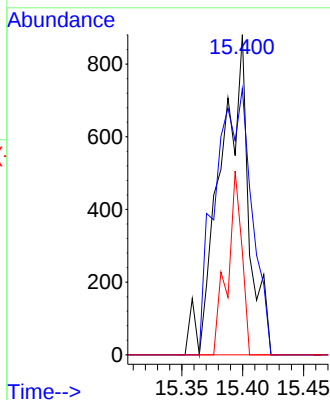
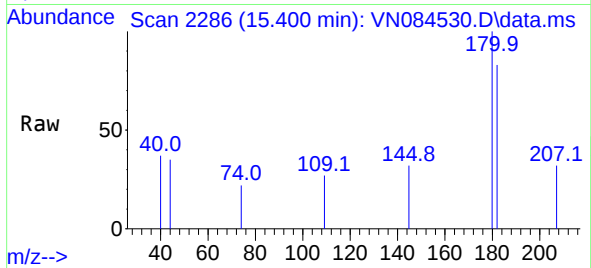




#93
1,2,4-Trichlorobenzene
Concen: 0.977 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

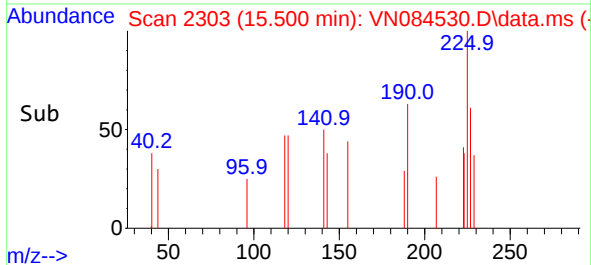
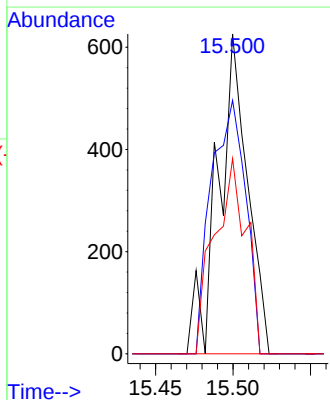
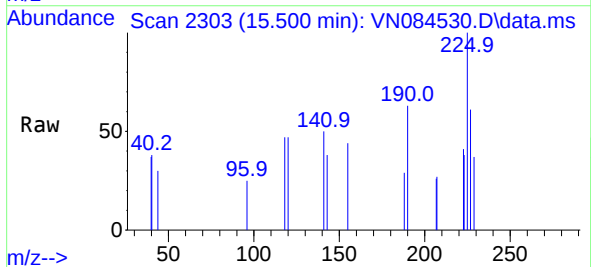
Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

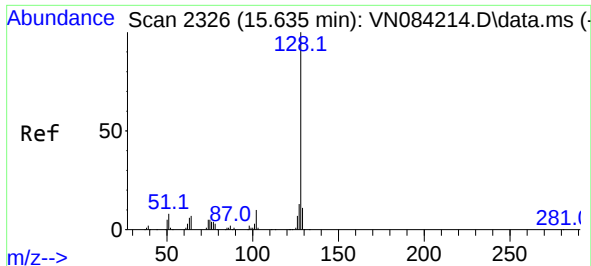
Tgt Ion:180 Resp: 1439
Ion Ratio Lower Upper
180 100
182 105.2 47.0 141.0
145 28.8 16.4 49.4



#94
Hexachlorobutadiene
Concen: 1.127 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion:225 Resp: 828
Ion Ratio Lower Upper
225 100
223 92.3 32.4 97.2
227 66.2 32.4 97.0

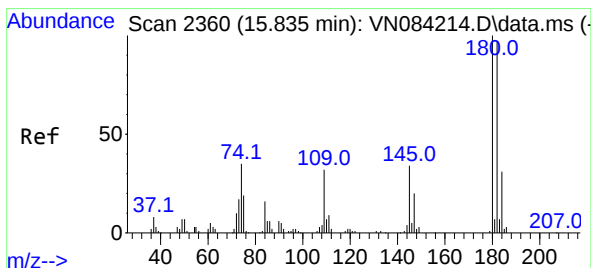
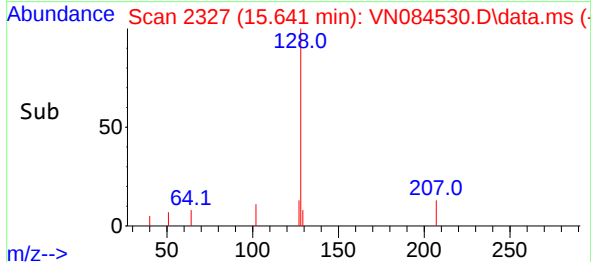
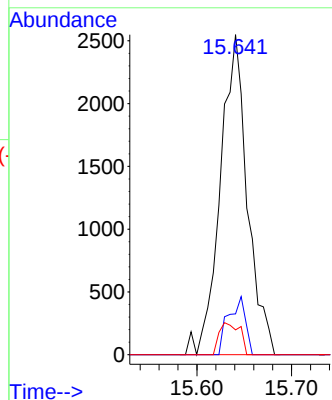
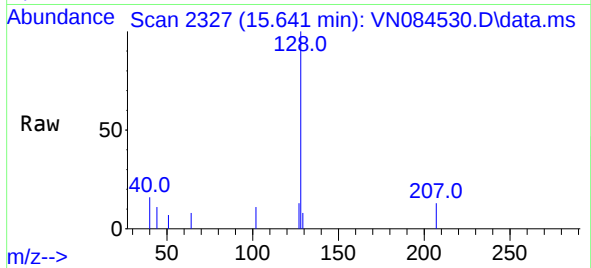




#95
Naphthalene
Concen: 1.040 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

Tgt Ion:128 Resp: 5077
Ion Ratio Lower Upper
128 100
127 11.4 10.5 15.7
129 7.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.261 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084530.D
Acq: 28 Oct 2024 10:40

Tgt Ion:180 Resp: 1859
Ion Ratio Lower Upper
180 100
182 79.2 48.2 144.6
145 24.2 17.3 51.9

