

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084936.D
 Acq On : 19 Nov 2024 10:43
 Operator : JC\MD
 Sample : VN1119MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBL01

Quant Time: Nov 20 00:21:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

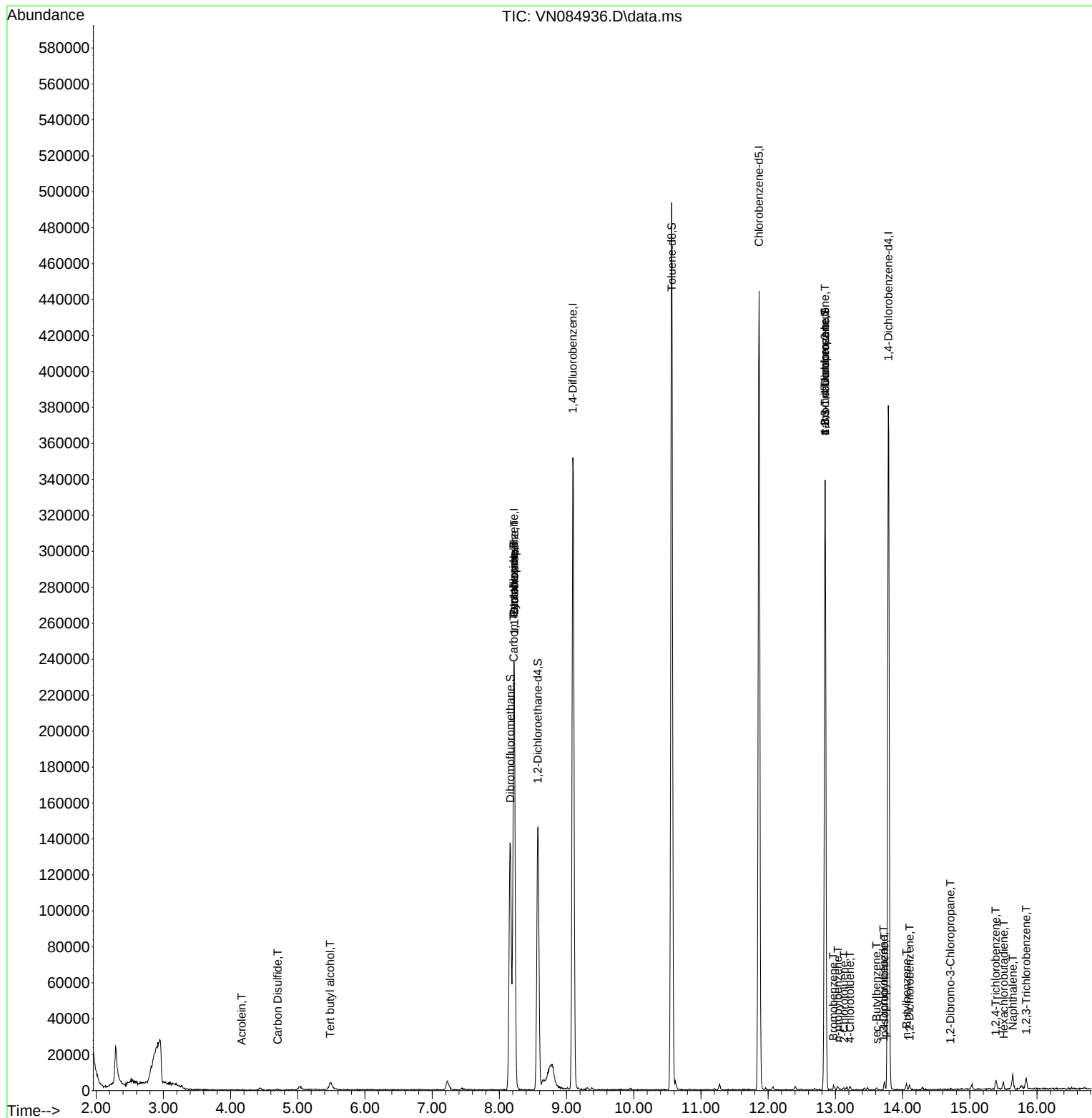
Internal Standards						
1) Pentafluorobenzene	8.218	168	170631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	301869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124586	50.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.165	113	101030	49.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.880%			
50) Toluene-d8	10.565	98	338784	45.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.020%			
62) 4-Bromofluorobenzene	12.847	95	118262	42.041	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	935	Below Cal	#	86
6) Chloroethane	3.053	64	607	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	4052	12.456	ug/l #	73
13) Acrolein	4.165	56	68	0.210	ug/l	90
16) Acetone	4.436	43	63	Below Cal	#	44
17) Carbon Disulfide	4.700	76	1235	0.206	ug/l #	75
18) Methyl Acetate	5.024	43	3997	Below Cal		98
31) Cyclohexane	8.218	56	3890	1.143	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	13896	4.904	ug/l #	51
38) Carbon Tetrachloride	8.212	117	18522	5.848	ug/l #	16
76) 1,2,3-Trichloropropane	12.847	75	63678	31.224	ug/l #	1
77) Bromobenzene	12.970	156	478	0.249	ug/l	73
78) n-propylbenzene	13.035	91	1730	0.206	ug/l	91
79) 2-Chlorotoluene	13.129	91	1101	0.201	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.847	75	63678	74.075	ug/l #	11
82) 4-Chlorotoluene	13.217	91	1698	0.295	ug/l	94
85) sec-Butylbenzene	13.611	105	1417	0.205	ug/l #	73
86) p-Isopropyltoluene	13.729	119	1175	0.207	ug/l	82
87) 1,3-Dichlorobenzene	13.717	146	1438	0.383	ug/l	80
88) 1,4-Dichlorobenzene	13.717	146	1438	Below Cal		81
89) n-Butylbenzene	14.059	91	2413	0.454	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	1278	0.355	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.711	75	161	0.333	ug/l	67
93) 1,2,4-Trichlorobenzene	15.388	180	2072	1.050	ug/l	87
94) Hexachlorobutadiene	15.505	225	973	1.123	ug/l	92
95) Naphthalene	15.641	128	8411	1.424	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	2550	1.331	ug/l	99

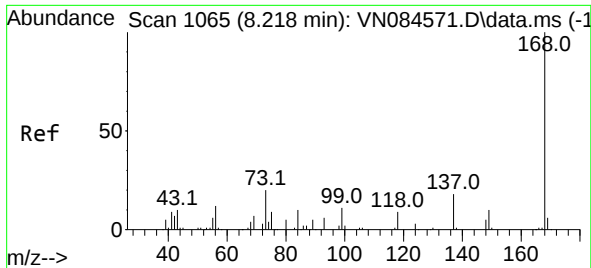
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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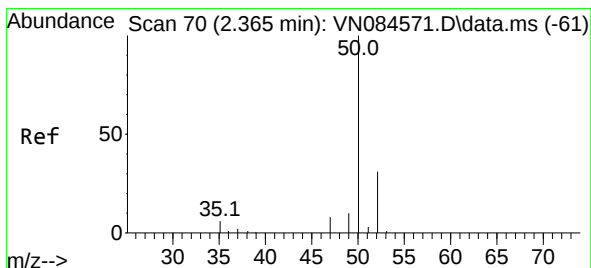
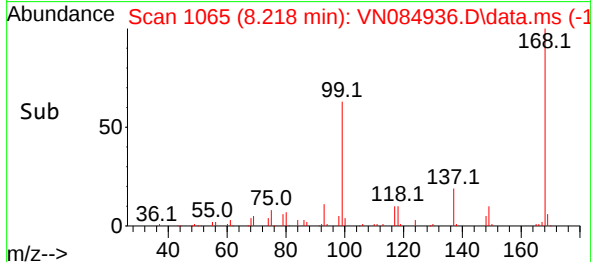
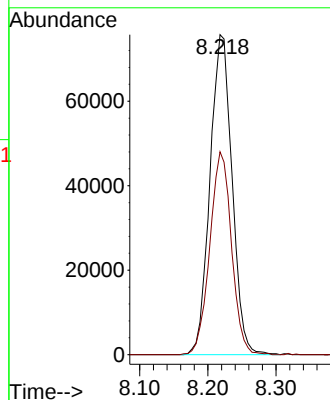
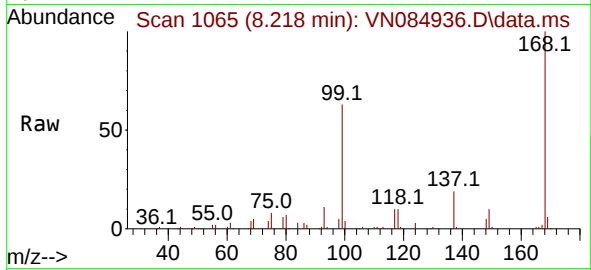




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

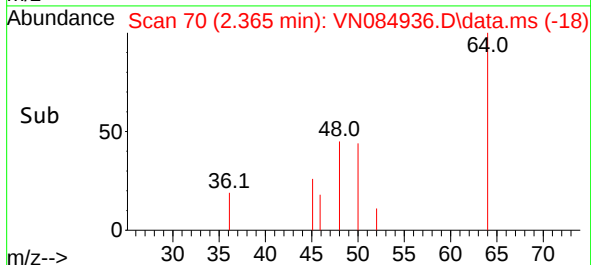
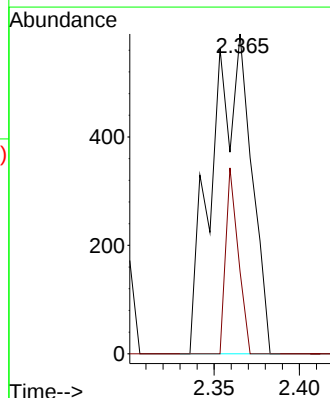
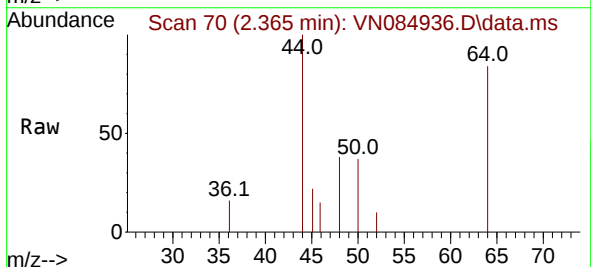
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

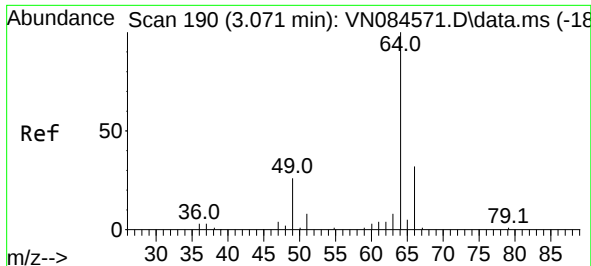
Tgt Ion:168 Resp: 170631
Ion Ratio Lower Upper
168 100
99 63.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 50 Resp: 935
Ion Ratio Lower Upper
50 100
52 25.8 26.8 40.2#

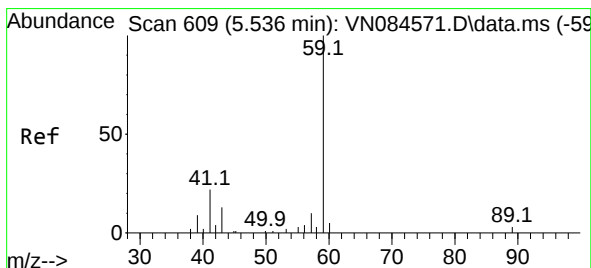
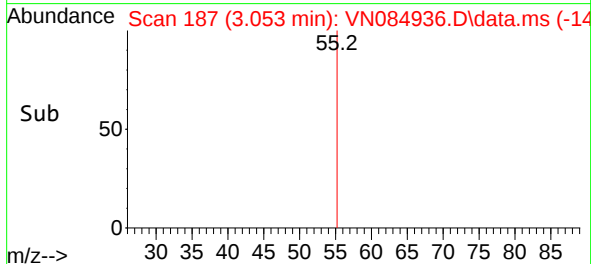
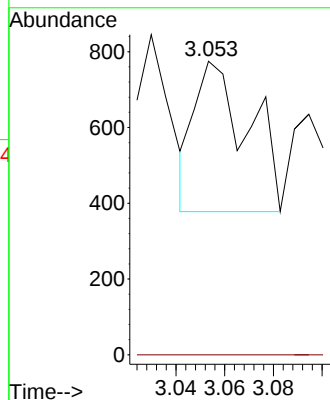
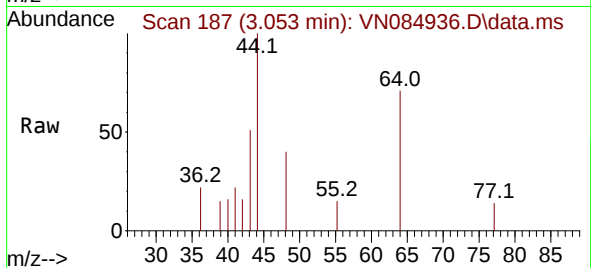




#6
Chloroethane
Concen: Below Cal
RT: 3.053 min Scan# 11
Delta R.T. -0.065 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

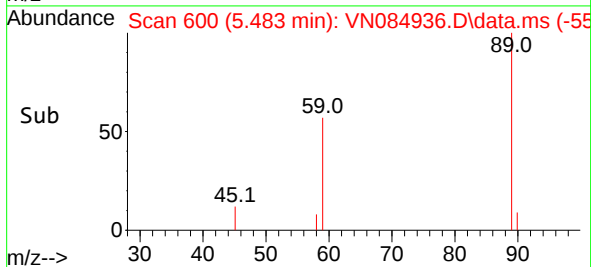
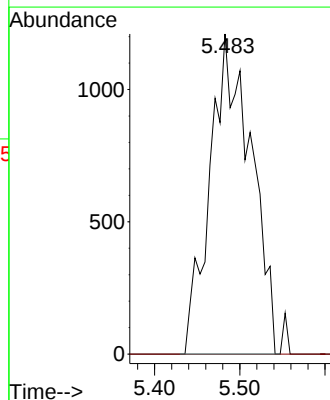
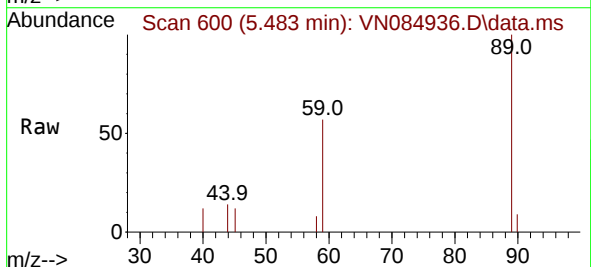
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

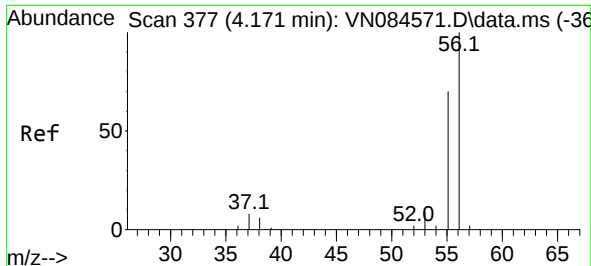
Tgt Ion: 64 Resp: 607
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 12.456 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 59 Resp: 4052
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

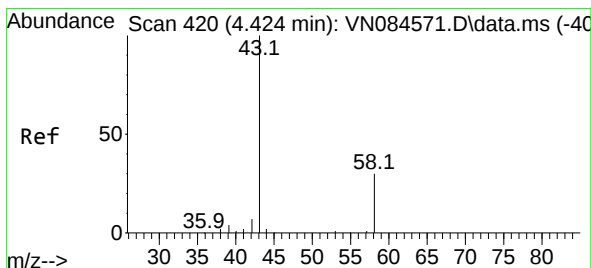
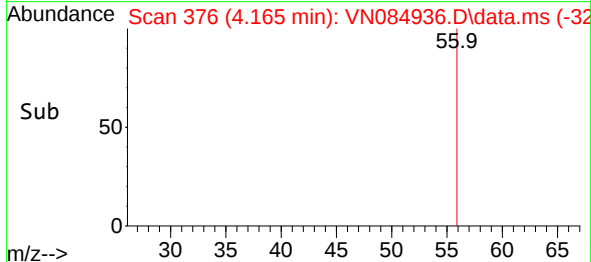
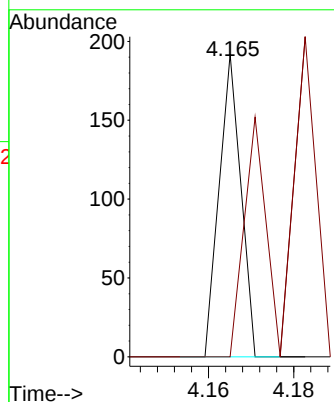
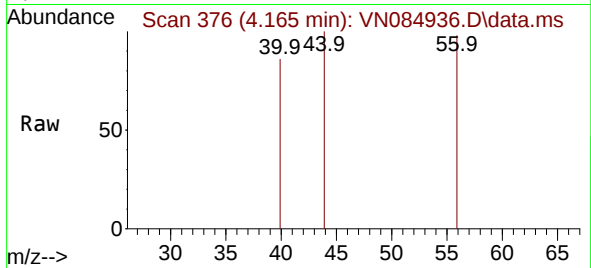




#13
Acrolein
Concen: 0.210 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

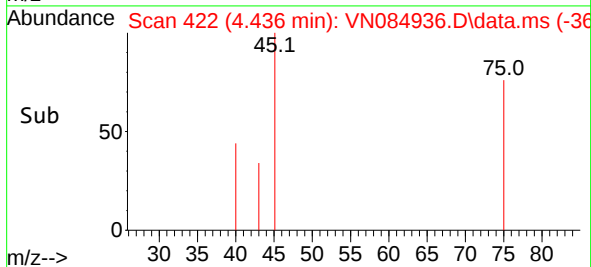
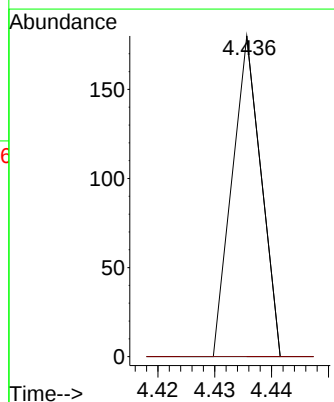
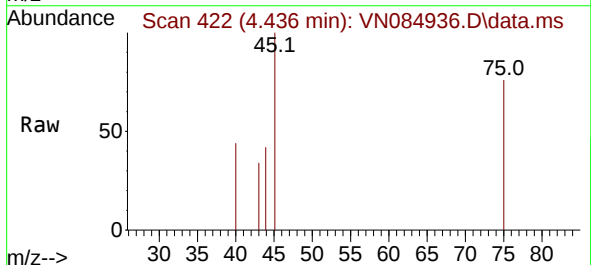
Instrument :
MSVOA_N
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VN1119MBL01

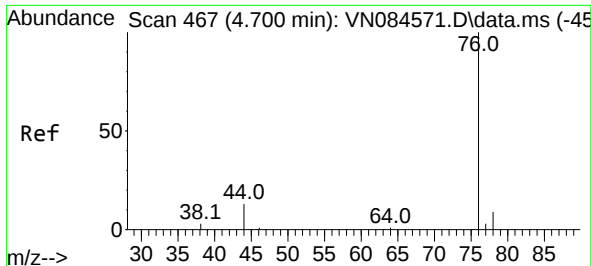
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 79.4 57.2 85.8



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

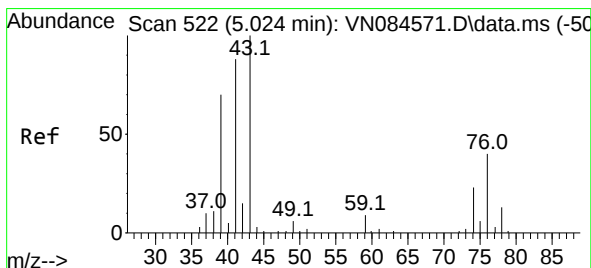
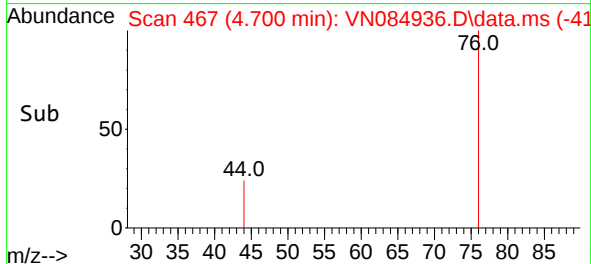
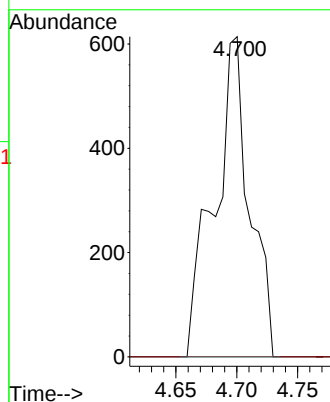
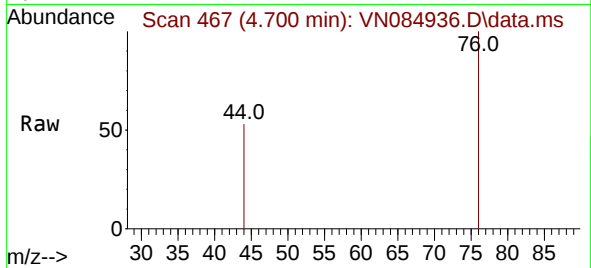




#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

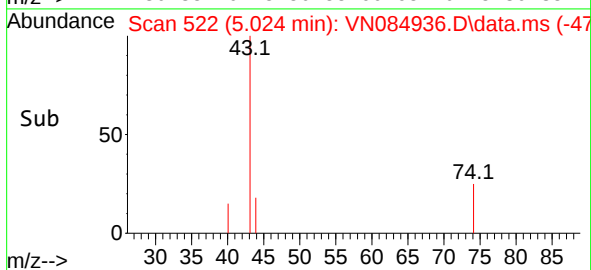
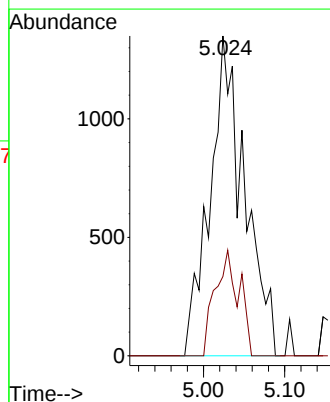
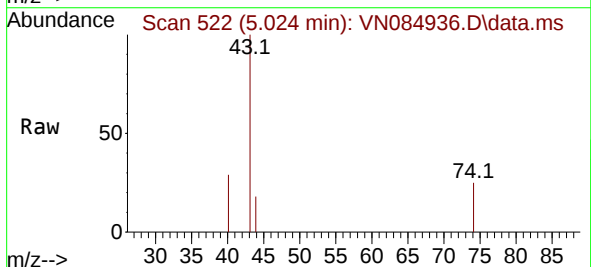
Instrument :
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ClientSampleId :
VN1119MBL01

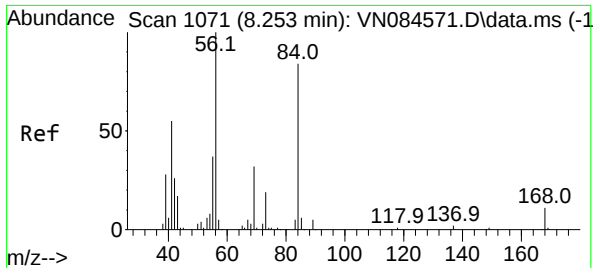
Tgt Ion: 76 Resp: 1235
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 43 Resp: 3997
Ion Ratio Lower Upper
43 100
74 22.8 19.2 28.8

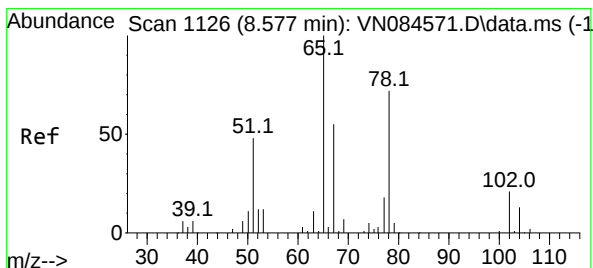
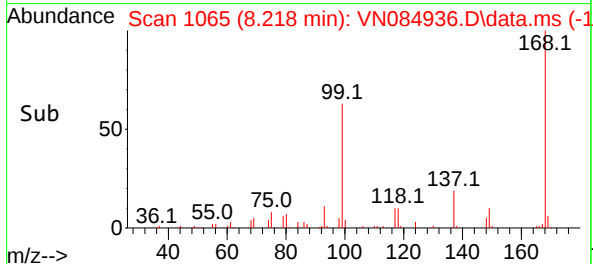
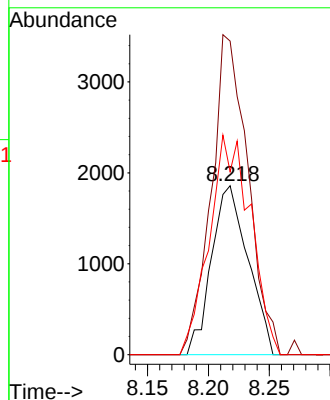
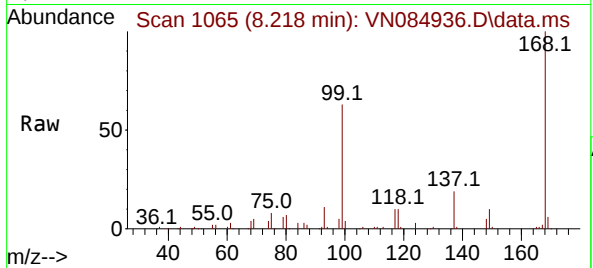




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

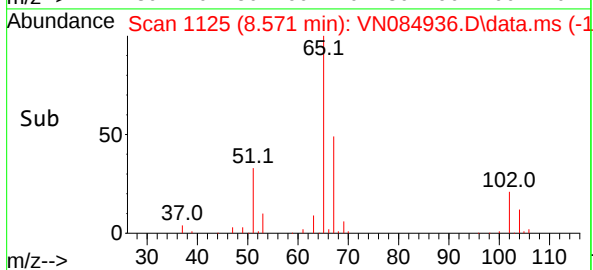
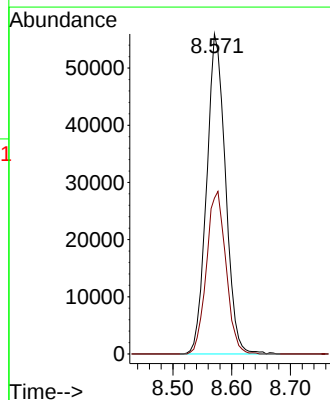
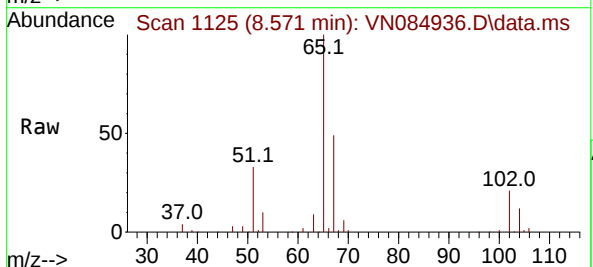
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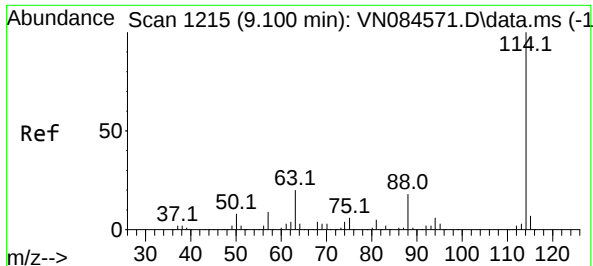
Tgt Ion: 56 Resp: 3890
Ion Ratio Lower Upper
56 100
69 185.6 23.8 35.6#
84 108.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.553 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 65 Resp: 124586
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.0

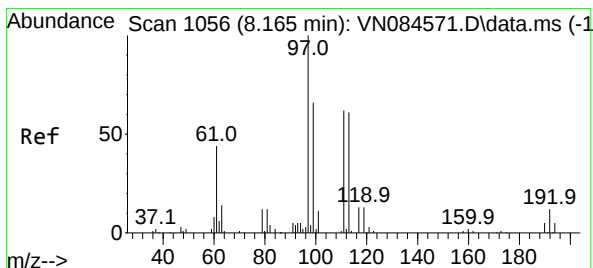
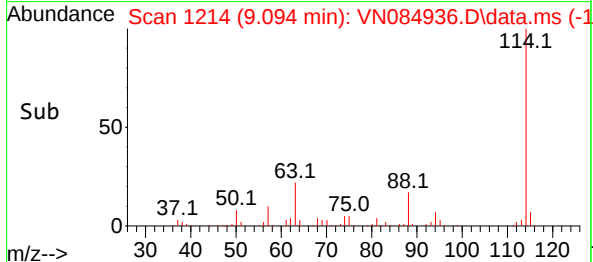
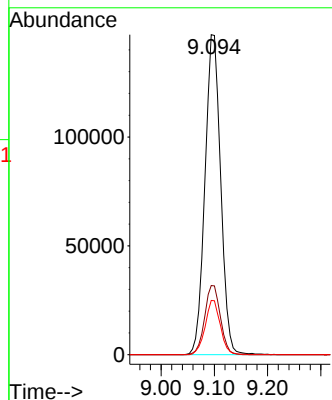
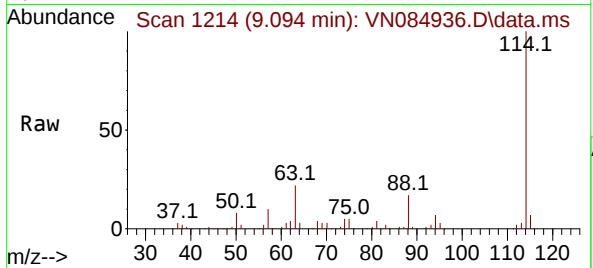




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

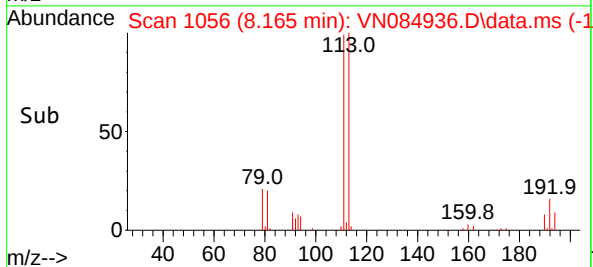
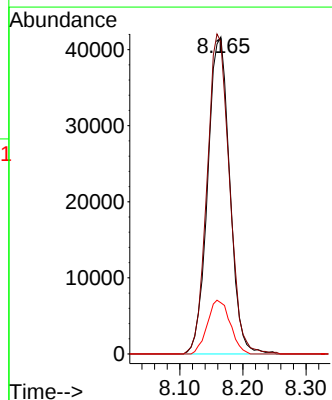
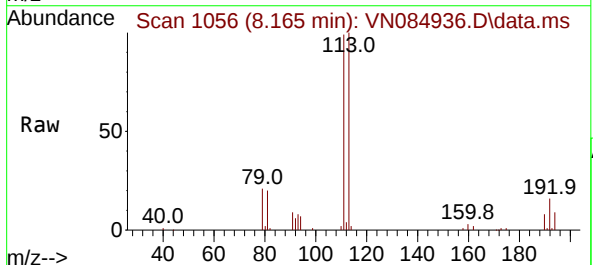
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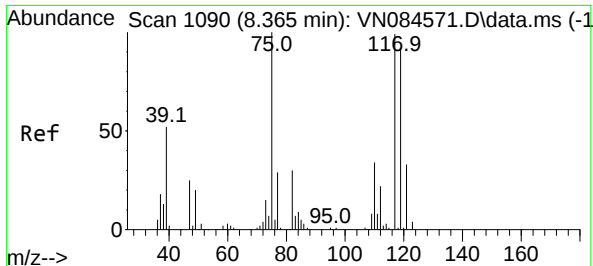
Tgt Ion:114 Resp: 301869
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.8
88 17.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.445 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion:113 Resp: 101030
Ion Ratio Lower Upper
113 100
111 102.2 83.3 124.9
192 17.5 13.5 20.3

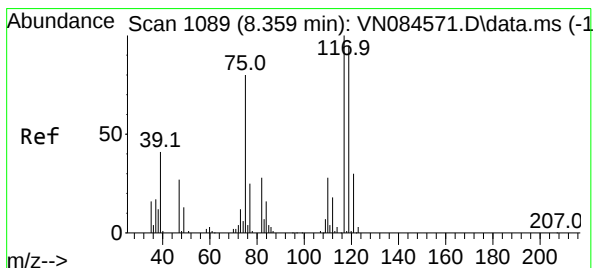
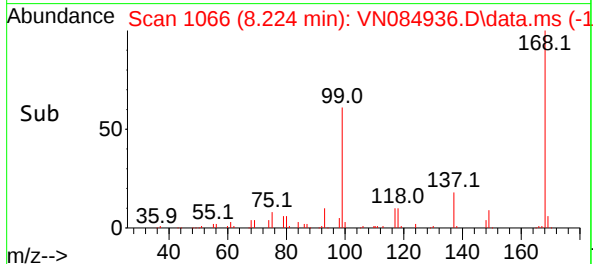
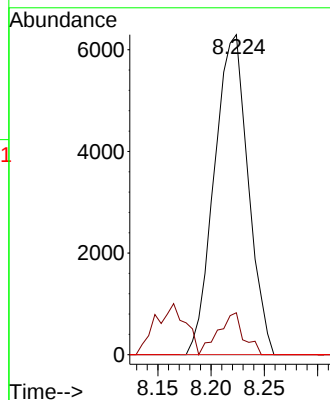
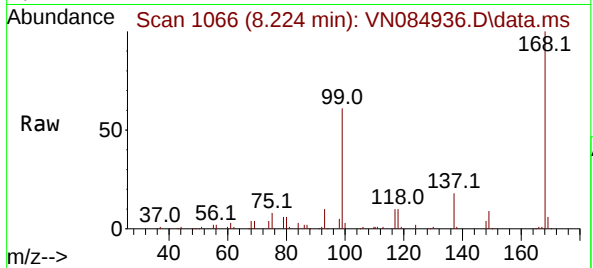




#36
1,1-Dichloropropene
Concen: 4.904 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

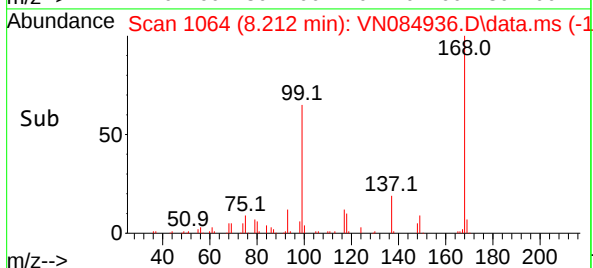
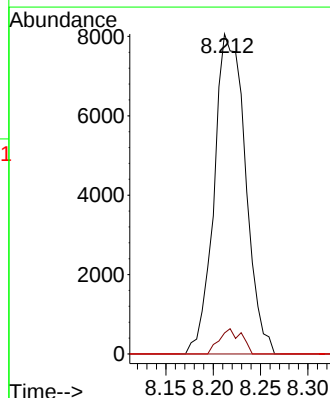
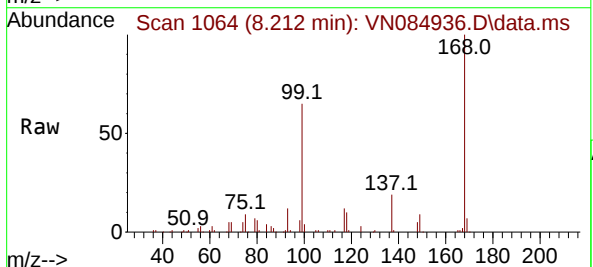
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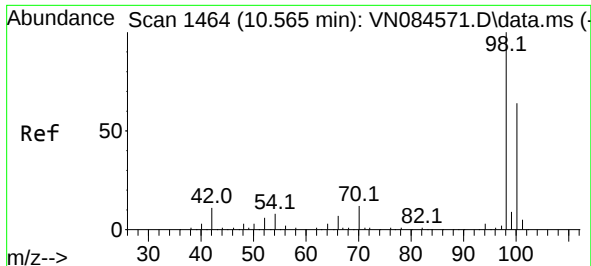
Tgt Ion: 75 Resp: 13896
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.848 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.147 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 117 Resp: 18522
Ion Ratio Lower Upper
117 100
119 6.6 78.7 118.1#
121 0.0 24.4 36.6#

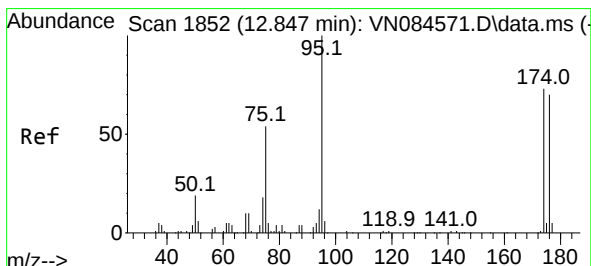
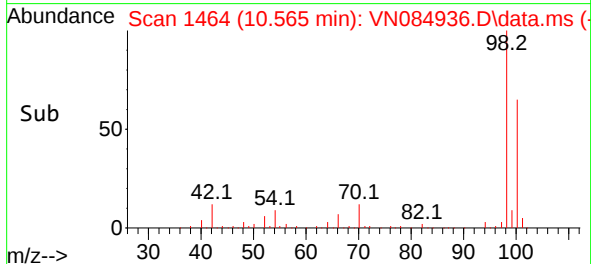
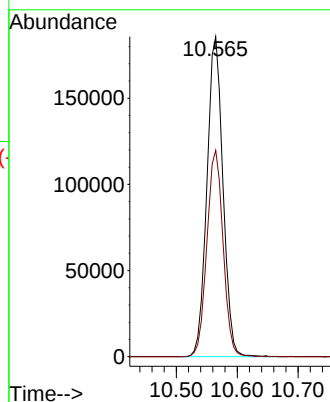
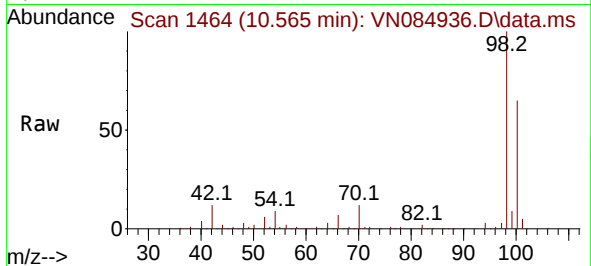




#50
Toluene-d8
Concen: 45.010 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

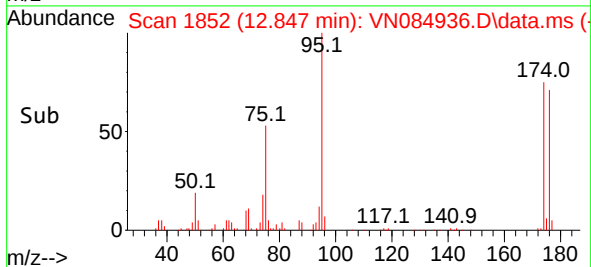
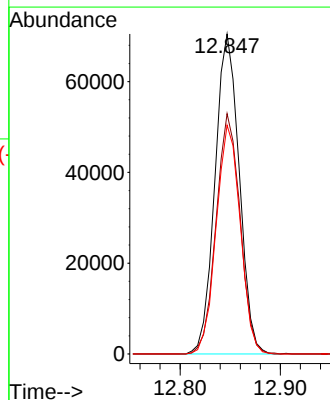
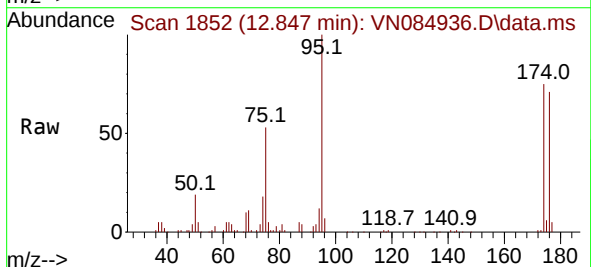
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

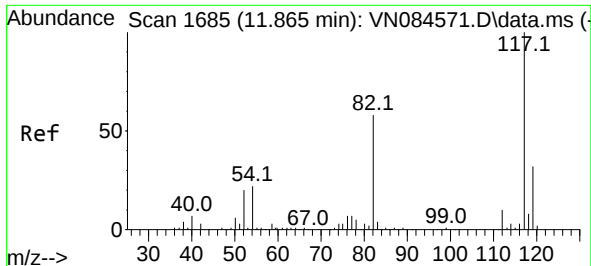
Tgt Ion: 98 Resp: 338784
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.041 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 95 Resp: 118262
Ion Ratio Lower Upper
95 100
174 74.4 0.0 145.2
176 71.1 0.0 140.0

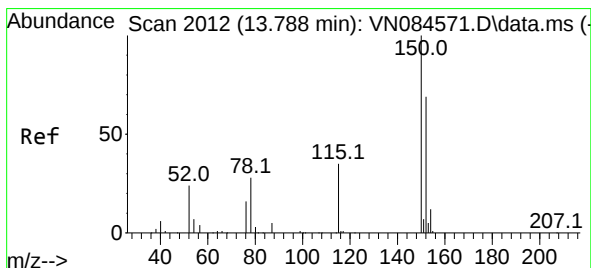
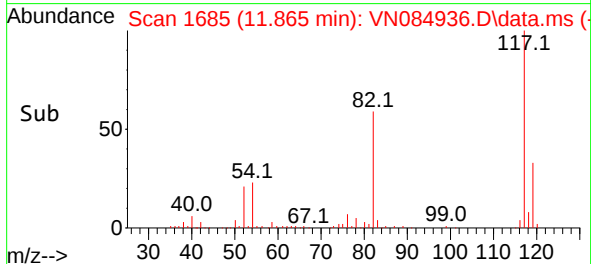
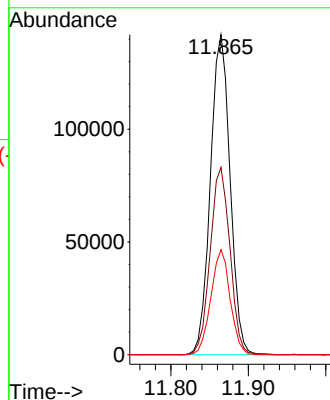
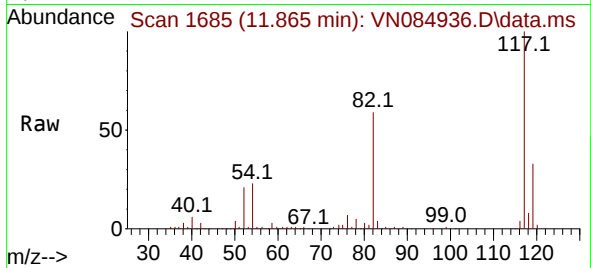




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

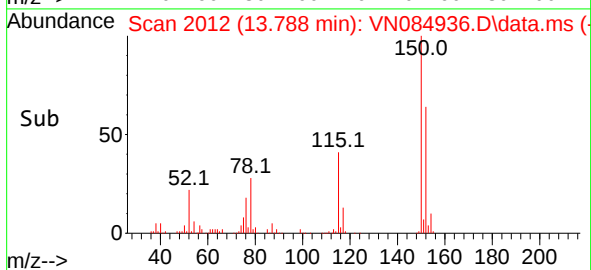
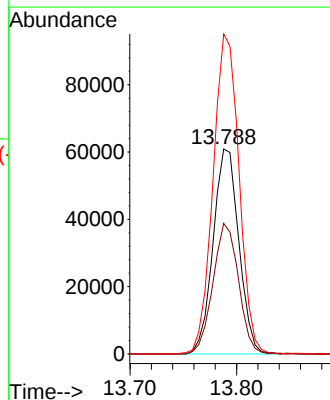
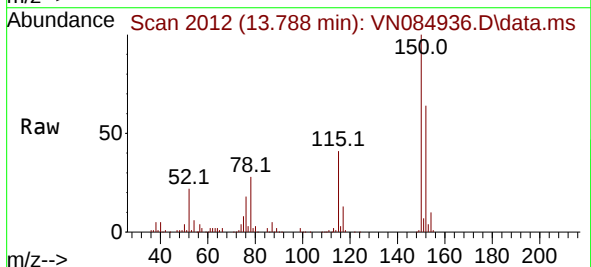
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

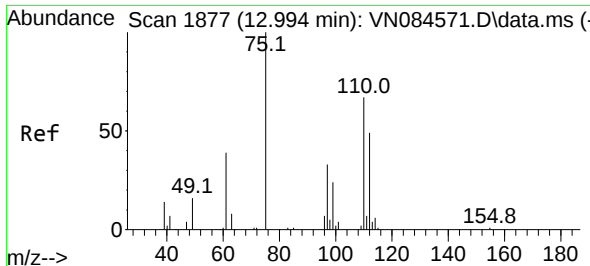
Tgt Ion:117 Resp: 250249
Ion Ratio Lower Upper
117 100
82 58.5 47.2 70.8
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion:152 Resp: 102024
Ion Ratio Lower Upper
152 100
115 63.3 31.3 93.9
150 158.0 0.0 349.8

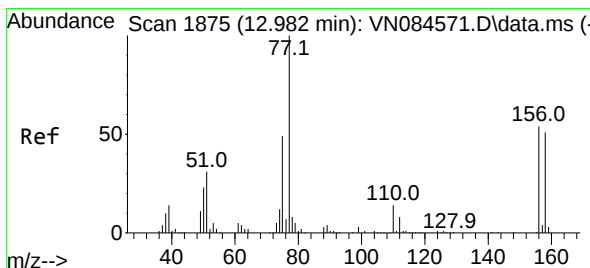
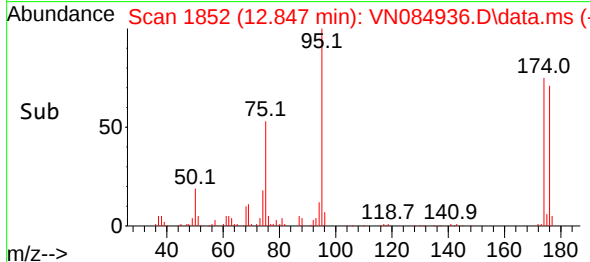
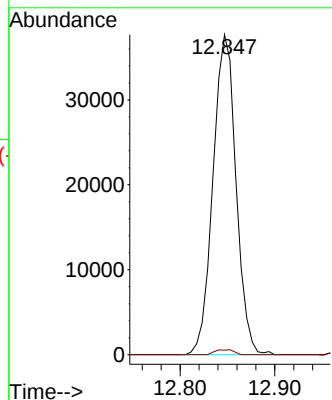
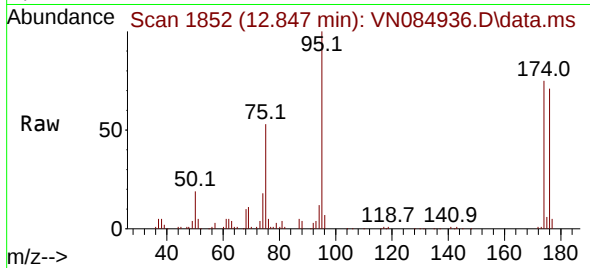




#76
1,2,3-Trichloropropane
Concen: 31.224 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

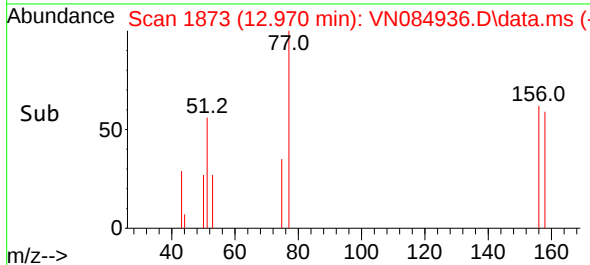
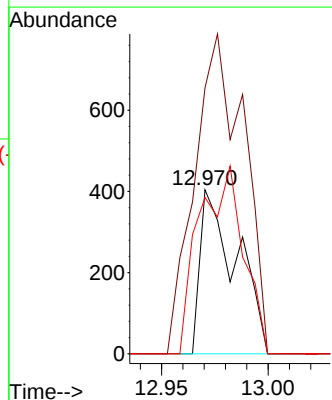
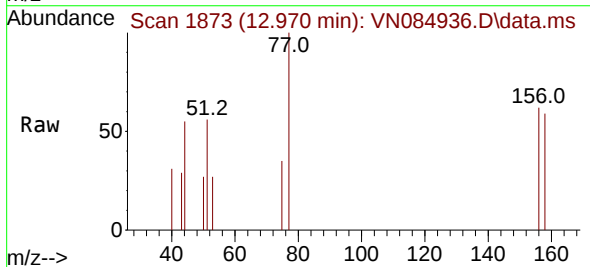
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

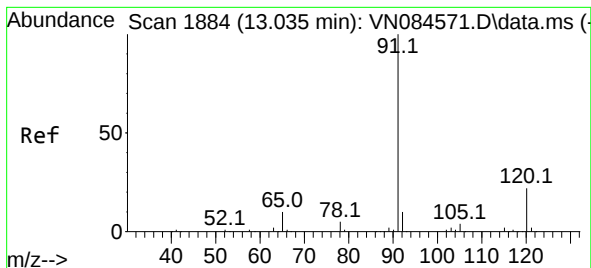
Tgt Ion: 75 Resp: 63678
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#77
Bromobenzene
Concen: 0.249 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.012 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion:156 Resp: 478
Ion Ratio Lower Upper
156 100
77 264.4 115.1 345.3
158 139.5 48.9 146.8





#78

n-propylbenzene

Concen: 0.206 ug/l

RT: 13.035 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084936.D

Acq: 19 Nov 2024 10:43

Instrument :

MSVOA_N

ClientSampleId :

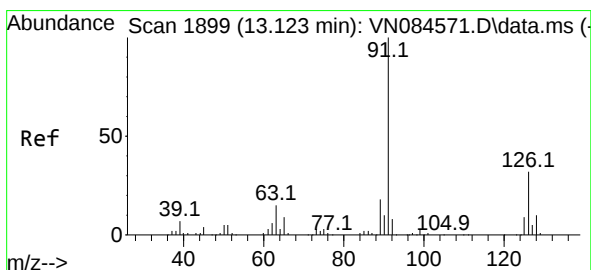
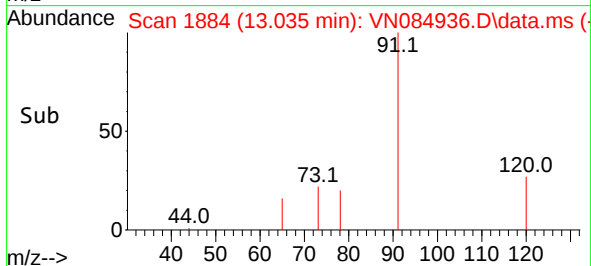
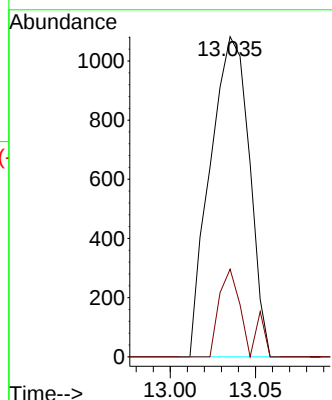
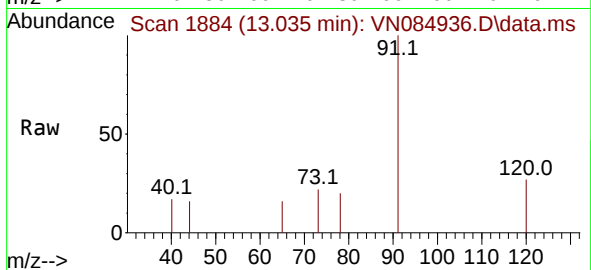
VN1119MBL01

Tgt Ion: 91 Resp: 1730

Ion Ratio Lower Upper

91 100

120 17.2 10.8 32.4



#79

2-Chlorotoluene

Concen: 0.201 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.006 min

Lab File: VN084936.D

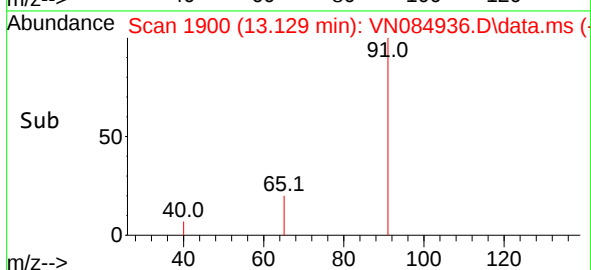
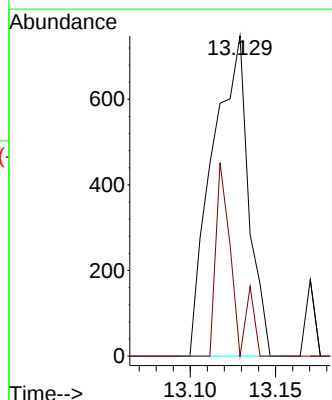
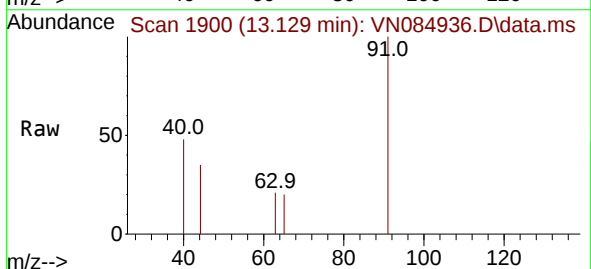
Acq: 19 Nov 2024 10:43

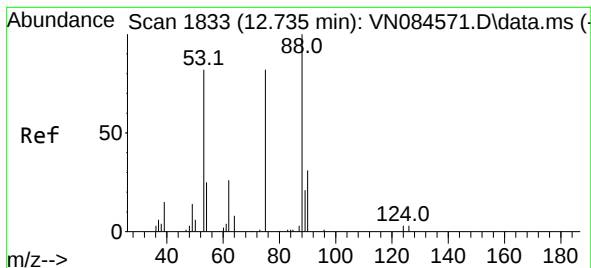
Tgt Ion: 91 Resp: 1101

Ion Ratio Lower Upper

91 100

126 28.0 15.7 47.1

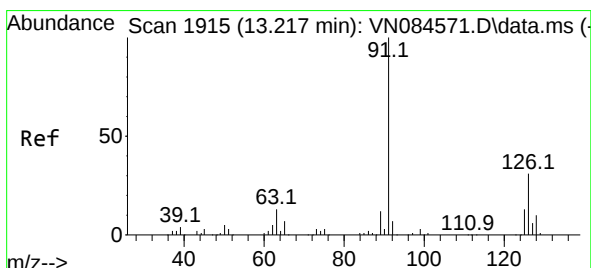
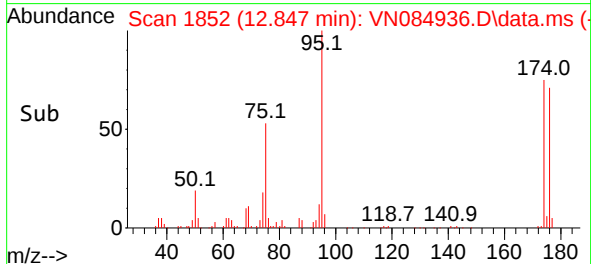
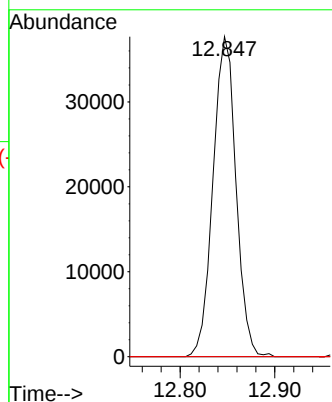
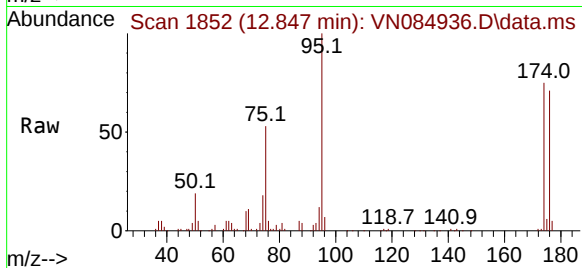




#81
trans-1,4-Dichloro-2-butene
Concen: 74.075 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

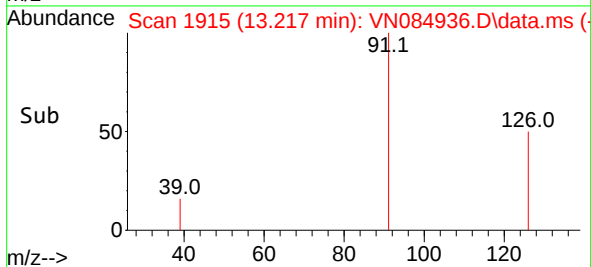
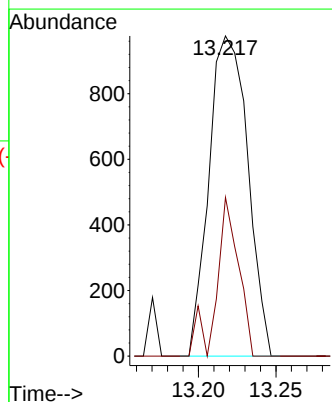
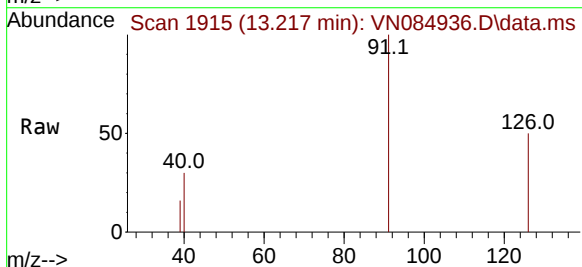
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

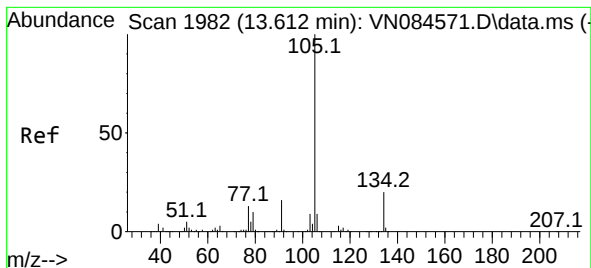
Tgt Ion: 75 Resp: 63678
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#82
4-Chlorotoluene
Concen: 0.295 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 91 Resp: 1698
Ion Ratio Lower Upper
91 100
126 28.1 15.7 47.1





#85

sec-Butylbenzene

Concen: 0.205 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.006 min

Lab File: VN084936.D

Acq: 19 Nov 2024 10:43

Instrument :

MSVOA_N

ClientSampleId :

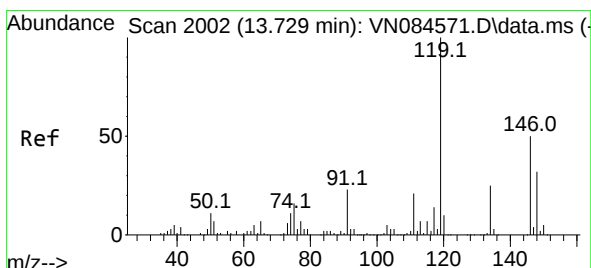
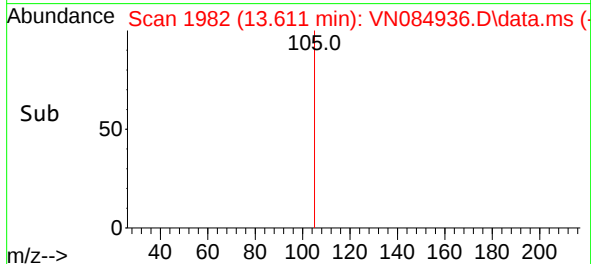
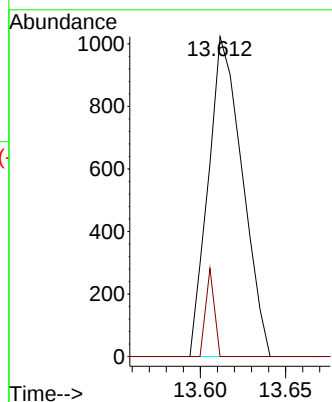
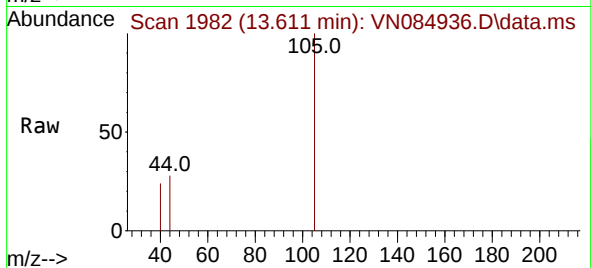
VN1119MBL01

Tgt Ion:105 Resp: 1417

Ion Ratio Lower Upper

105 100

134 7.1 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 0.207 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084936.D

Acq: 19 Nov 2024 10:43

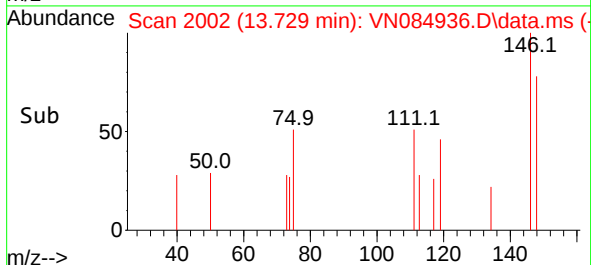
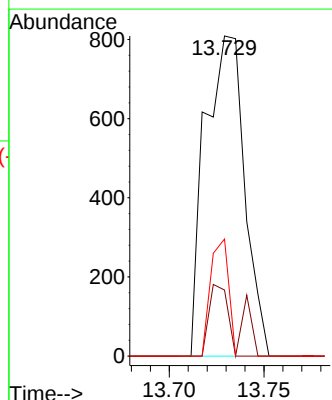
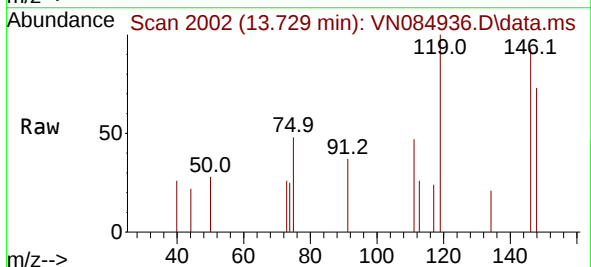
Tgt Ion:119 Resp: 1175

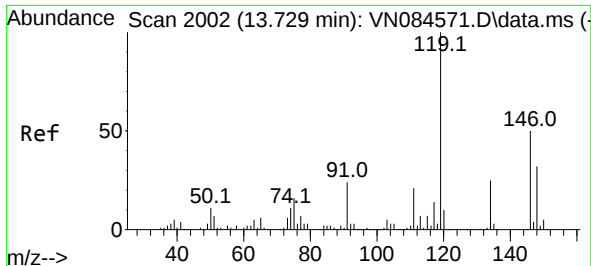
Ion Ratio Lower Upper

119 100

134 15.1 12.6 37.8

91 16.7 12.4 37.2

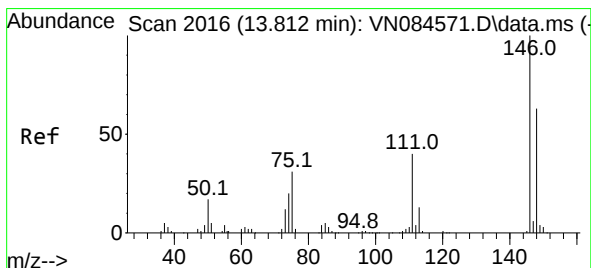
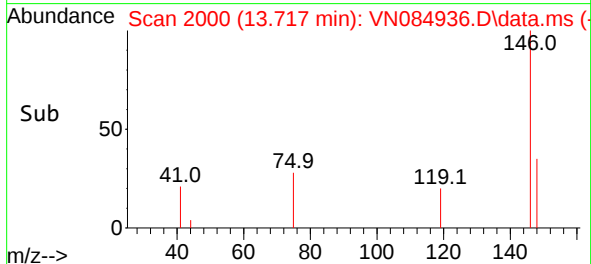
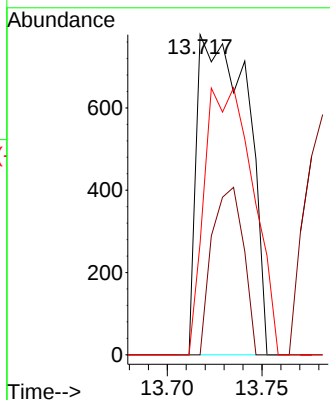
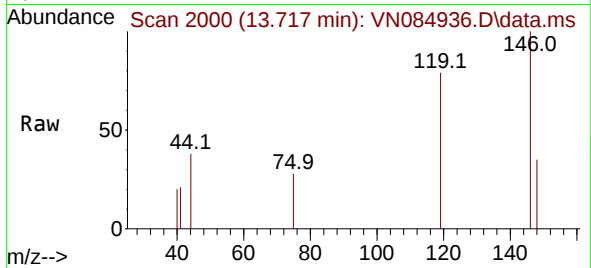




#87
1,3-Dichlorobenzene
Concen: 0.383 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. -0.012 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

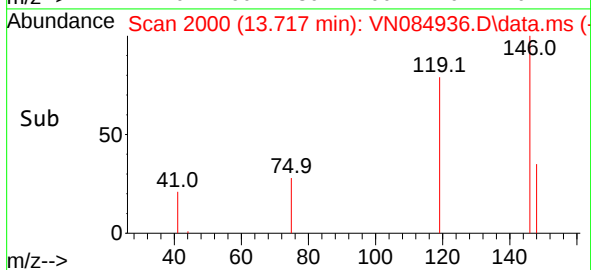
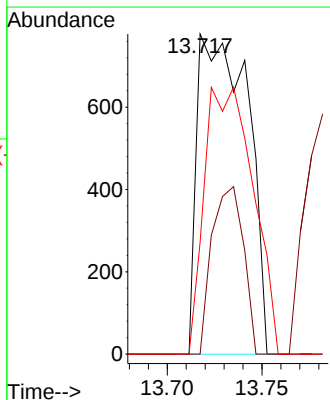
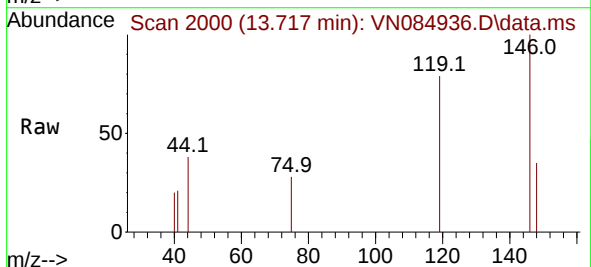
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

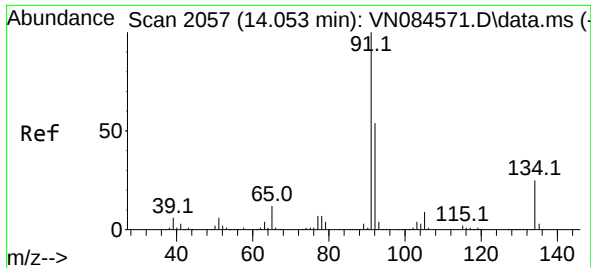
Tgt Ion:146 Resp: 1438
Ion Ratio Lower Upper
146 100
111 32.7 21.8 65.3
148 80.7 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.717 min Scan# 2000
Delta R.T. -0.095 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion:146 Resp: 1438
Ion Ratio Lower Upper
146 100
111 32.7 21.2 63.6
148 80.7 31.9 95.9

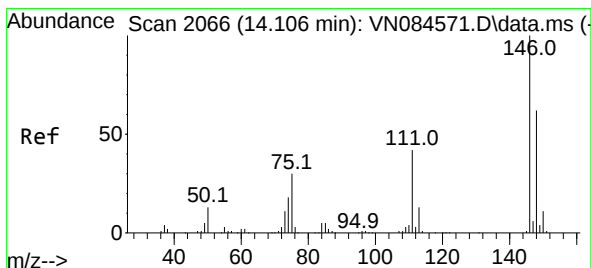
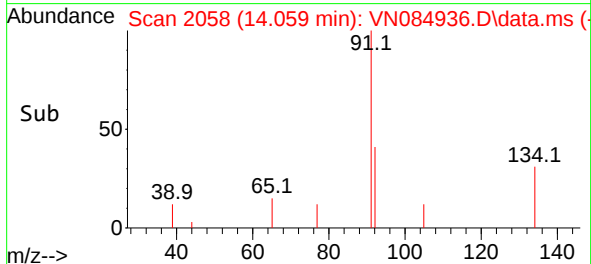
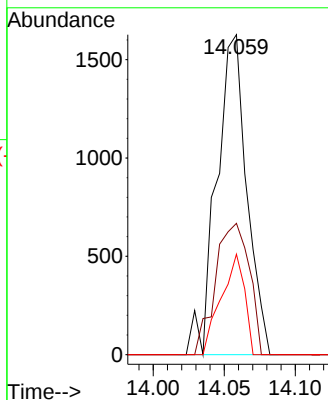
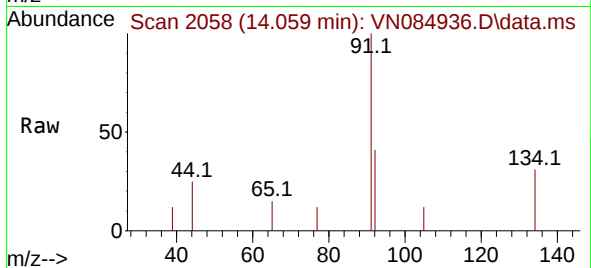




#89
n-Butylbenzene
Concen: 0.454 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

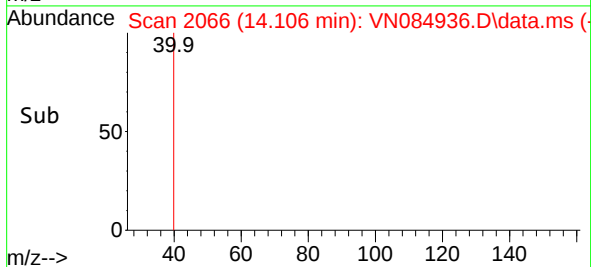
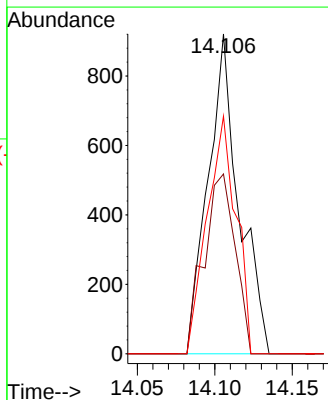
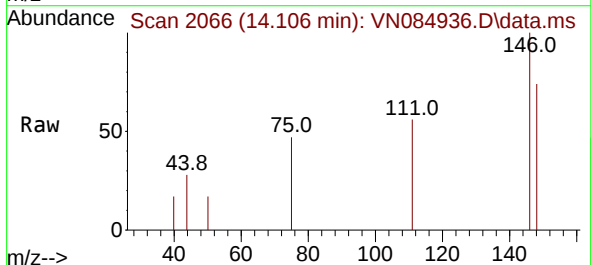
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

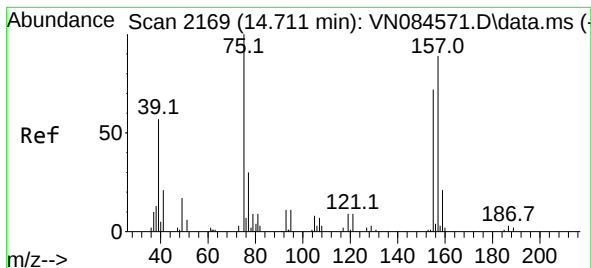
Tgt Ion: 91	Resp: 2413
Ion Ratio	Lower Upper
91	100
92	45.8 26.6 79.7
134	24.2 12.3 36.9



#91
1,2-Dichlorobenzene
Concen: 0.355 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion: 146	Resp: 1278
Ion Ratio	Lower Upper
146	100
111	56.7 22.0 66.0
148	69.8 32.1 96.3

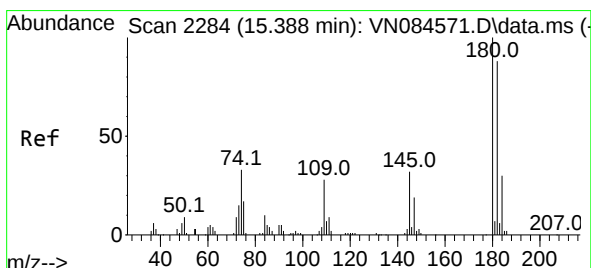
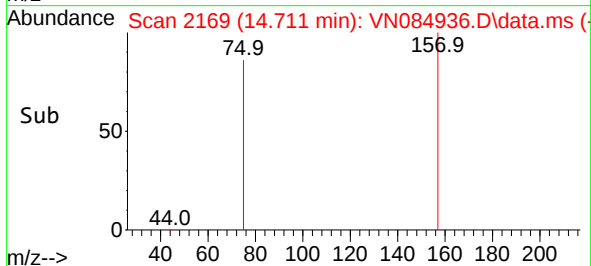
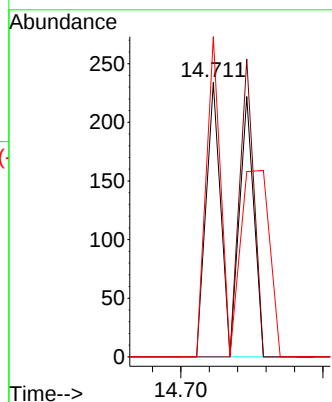
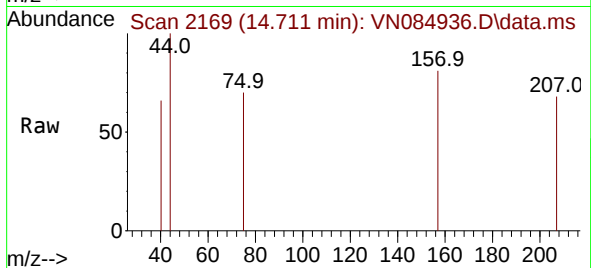




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.333 ug/l
 RT: 14.711 min Scan# 2169
 Delta R.T. -0.006 min
 Lab File: VN084936.D
 Acq: 19 Nov 2024 10:43

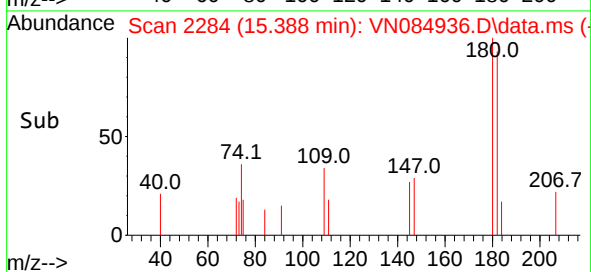
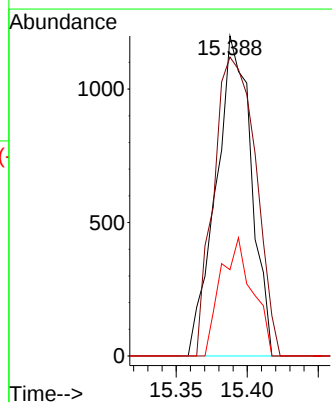
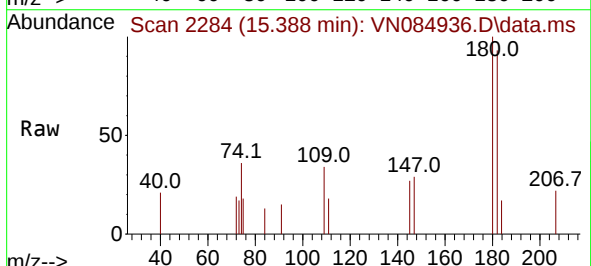
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBL01

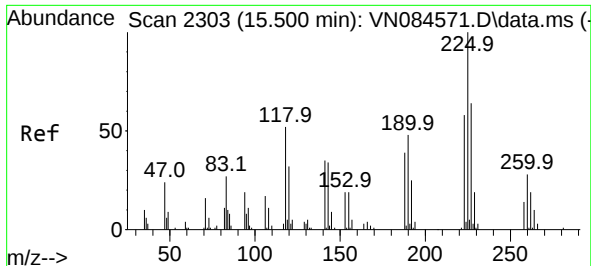
Tgt Ion: 75 Resp: 161
 Ion Ratio Lower Upper
 75 100
 155 55.9 38.1 114.5
 157 59.6 49.6 149.0



#93
 1,2,4-Trichlorobenzene
 Concen: 1.050 ug/l
 RT: 15.388 min Scan# 2284
 Delta R.T. -0.000 min
 Lab File: VN084936.D
 Acq: 19 Nov 2024 10:43

Tgt Ion: 180 Resp: 2072
 Ion Ratio Lower Upper
 180 100
 182 110.9 47.0 141.0
 145 33.4 16.4 49.4

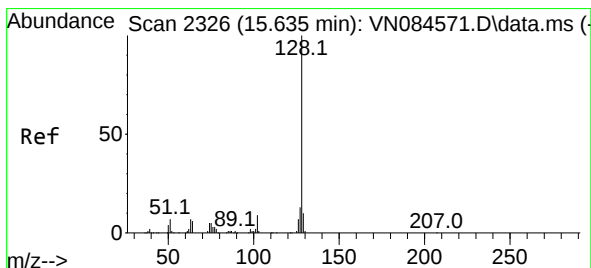
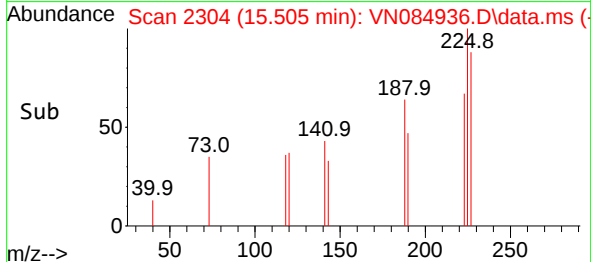
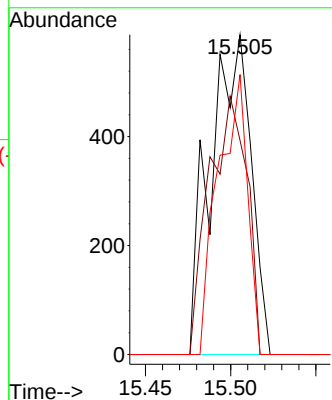
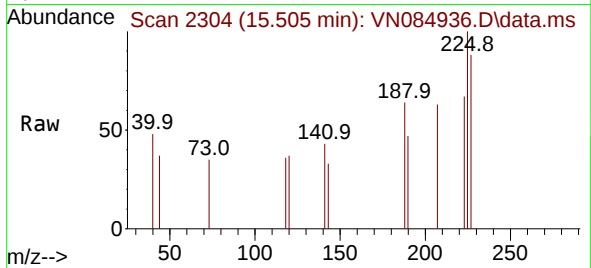




#94
Hexachlorobutadiene
Concen: 1.123 ug/l
RT: 15.505 min Scan# 211
Delta R.T. 0.005 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

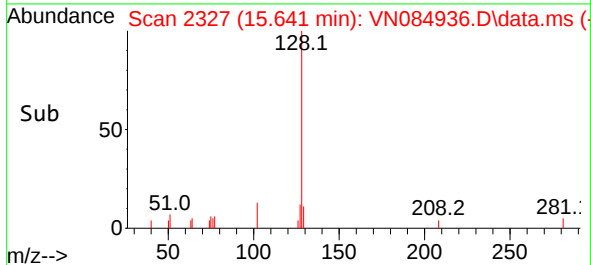
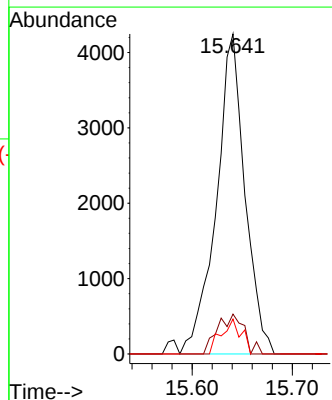
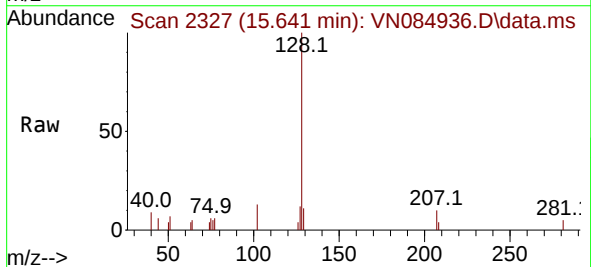
Instrument :
MSVOA_N
ClientSampleId :
VN1119MBL01

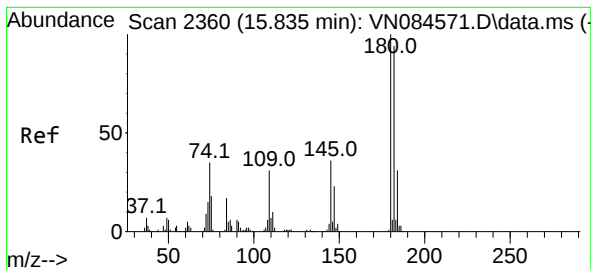
Tgt Ion:225 Resp: 973
Ion Ratio Lower Upper
225 100
223 75.4 32.4 97.2
227 63.3 32.4 97.0



#95
Naphthalene
Concen: 1.424 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084936.D
Acq: 19 Nov 2024 10:43

Tgt Ion:128 Resp: 8411
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 7.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.331 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084936.D
 Acq: 19 Nov 2024 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBL01

Tgt Ion:180 Resp: 2550
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.2 144.6
 145 35.6 17.3 51.9

