

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051524\
 Data File : VN082135.D
 Acq On : 15 May 2024 16:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 16 05:01:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 04:51:03 2024
 Response via : Initial Calibration

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

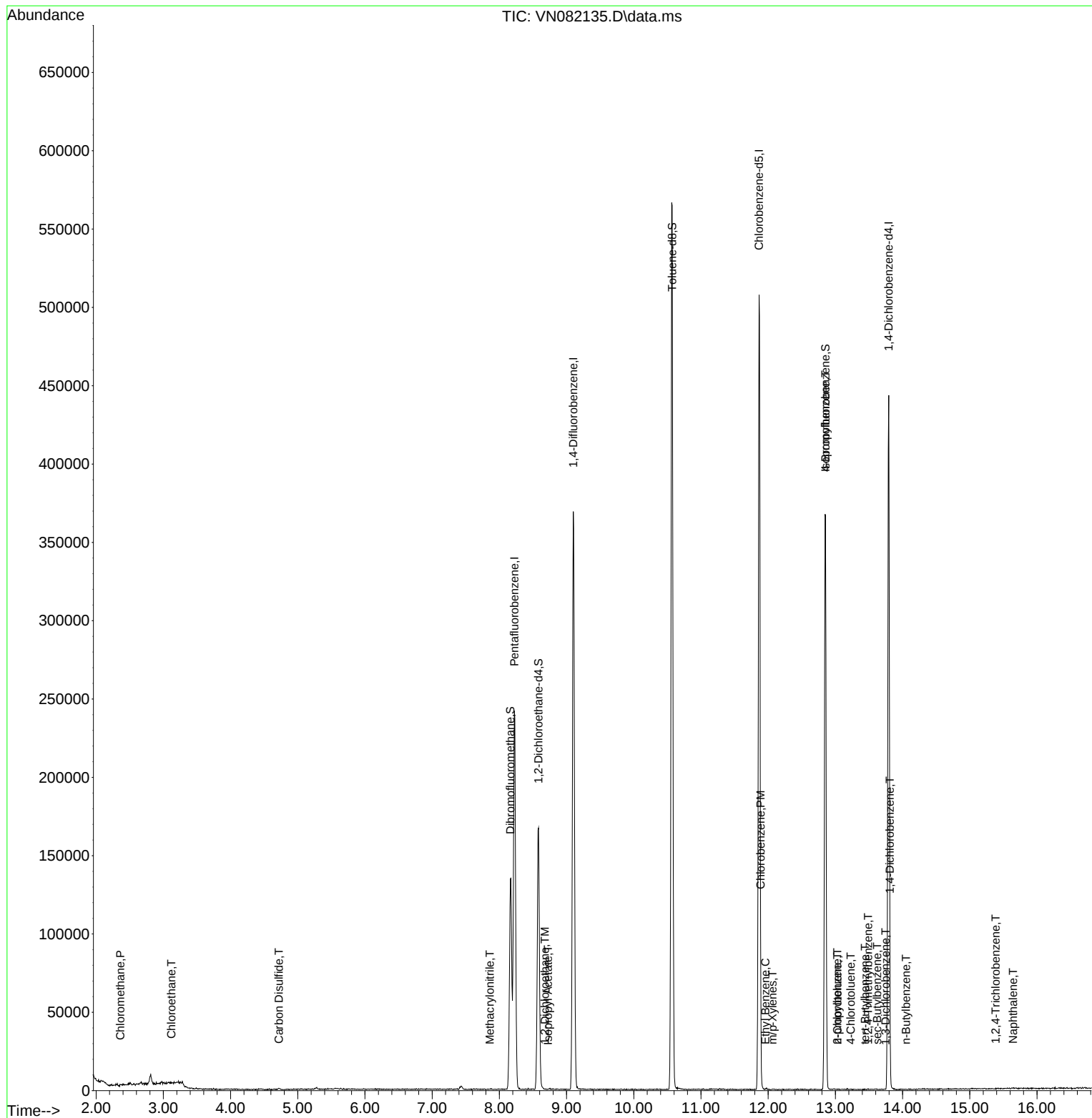
Internal Standards						
1) Pentafluorobenzene	8.224	168	168504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136537	51.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.640%			
35) Dibromofluoromethane	8.165	113	95213	52.936	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.880%			
50) Toluene-d8	10.571	98	368719	53.470	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.940%			
62) 4-Bromofluorobenzene	12.853	95	120724	49.049	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 98.100%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	493	0.179	ug/l #	43
6) Chloroethane	3.118	64	58	0.034	ug/l #	44
17) Carbon Disulfide	4.718	76	618	0.104	ug/l #	74
41) Methacrylonitrile	7.859	41	53	0.027	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	80	0.023	ug/l #	73
43) Isopropyl Acetate	8.724	43	58	0.010	ug/l #	52
65) Chlorobenzene	11.888	112	126	0.022	ug/l #	43
67) Ethyl Benzene	11.959	91	301	0.029	ug/l #	43
68) m/p-Xylenes	12.065	106	65	0.017	ug/l #	1
73) Isopropylbenzene	12.853	105	89	0.010	ug/l #	48
78) n-propylbenzene	13.029	91	279	0.027	ug/l #	52
79) 2-Chlorotoluene	13.029	91	279	0.043	ug/l #	40
82) 4-Chlorotoluene	13.229	91	79	0.013	ug/l #	29
83) tert-Butylbenzene	13.441	119	65	0.011	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.488	105	84	0.012	ug/l #	31
85) sec-Butylbenzene	13.623	105	53	0.006	ug/l #	56
87) 1,3-Dichlorobenzene	13.747	146	223	0.060	ug/l #	24
88) 1,4-Dichlorobenzene	13.812	146	62	0.016	ug/l #	26
89) n-Butylbenzene	14.053	91	71	0.011	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.388	180	53	0.027	ug/l #	13
95) Naphthalene	15.647	128	421	0.068	ug/l #	69

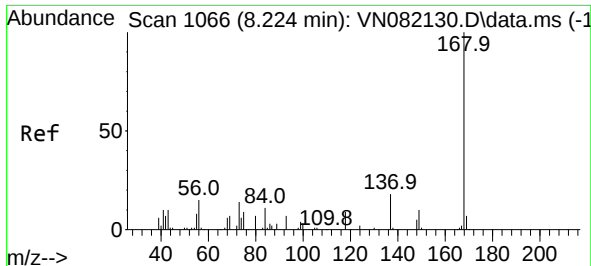
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 16 04:51:03 2024
Response via : Initial Calibration

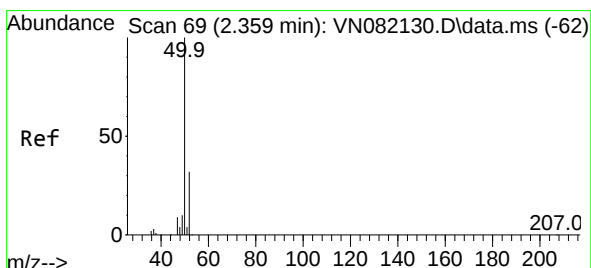
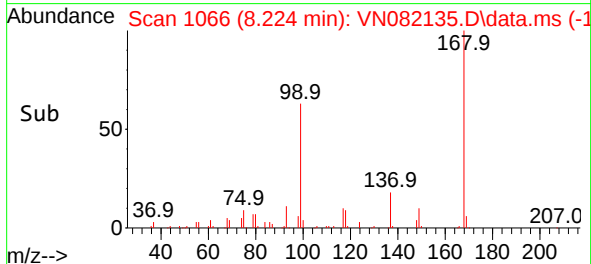
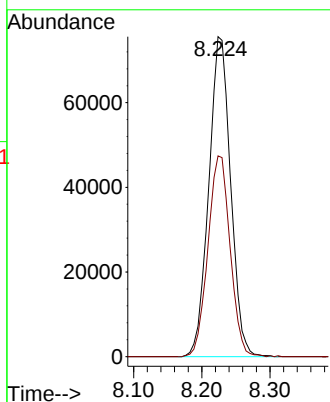
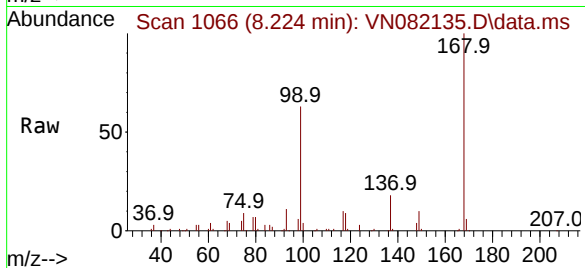




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

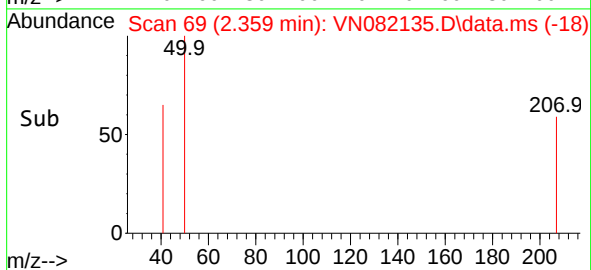
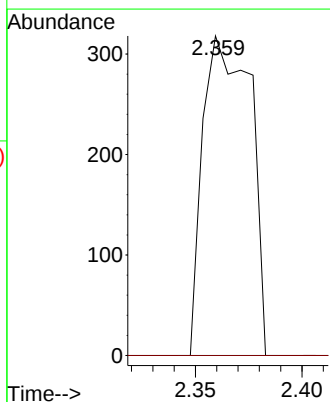
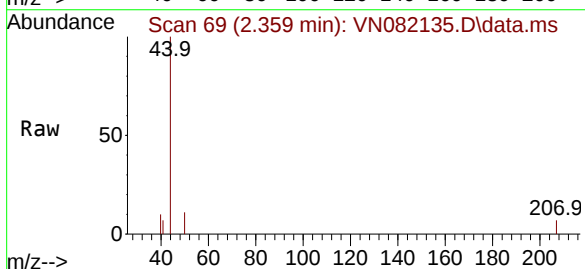
Instrument :
MSVOA_N
ClientSampleId :
IBLK

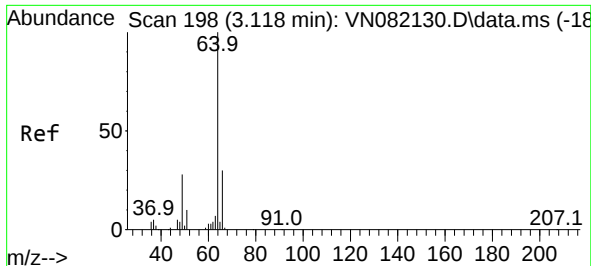
Tgt Ion:168 Resp: 168504
Ion Ratio Lower Upper
168 100
99 62.8 48.2 72.4



#3
Chloromethane
Concen: 0.179 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

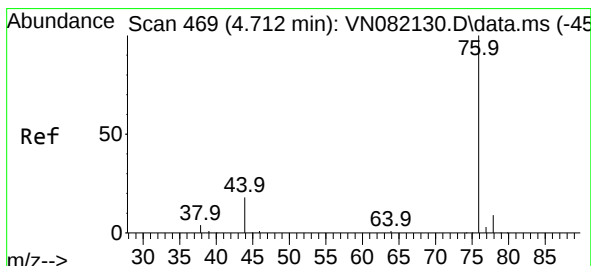
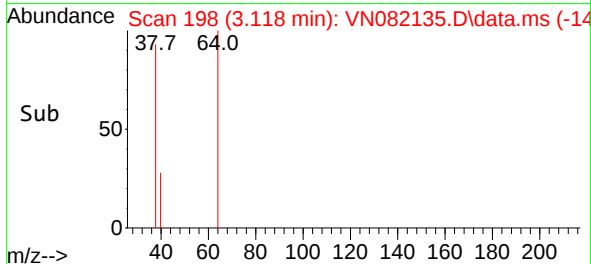
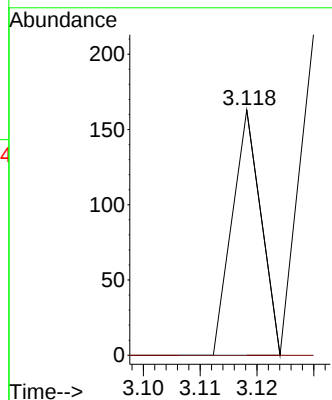
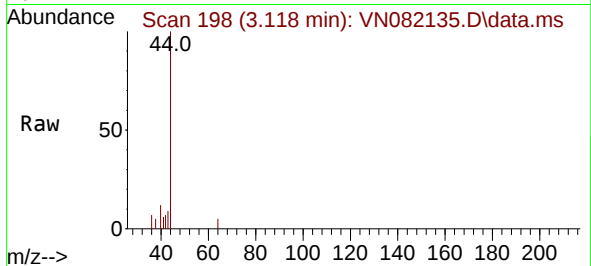




#6
Chloroethane
Concen: 0.034 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

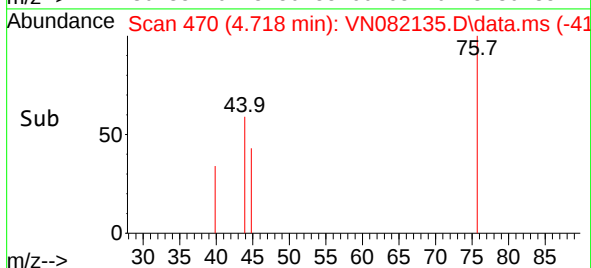
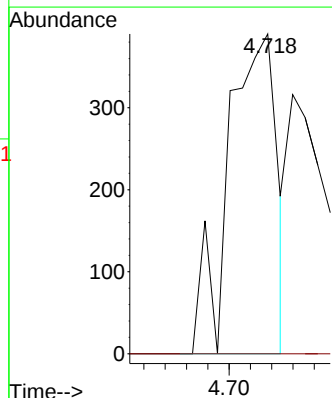
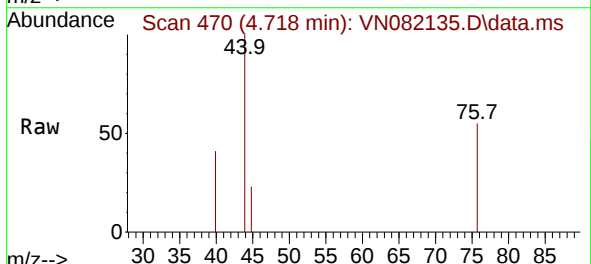
Instrument :
MSVOA_N
ClientSampleId :
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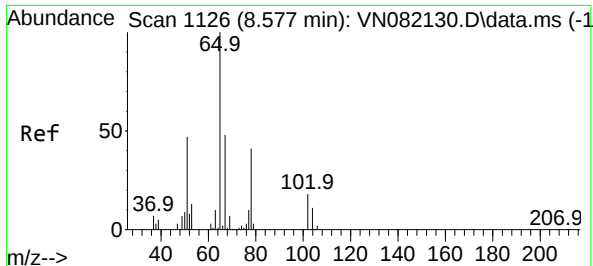
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#17
Carbon Disulfide
Concen: 0.104 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion: 76 Resp: 618
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#33

1,2-Dichloroethane-d4

Concen: 51.316 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082135.D

Acq: 15 May 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

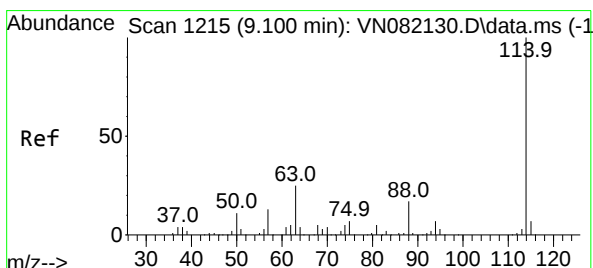
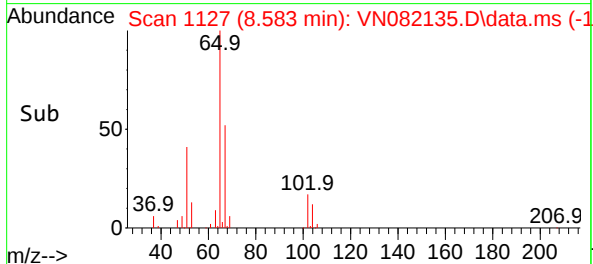
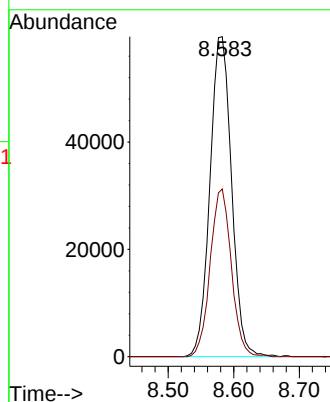
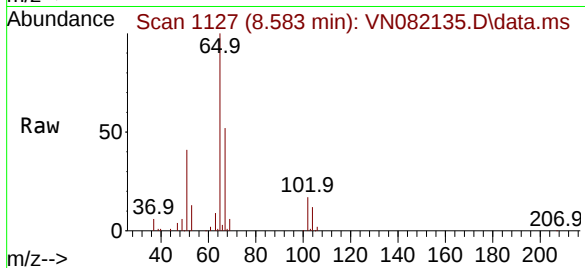
IBLK

Tgt Ion: 65 Resp: 136537

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN082135.D

Acq: 15 May 2024 16:12

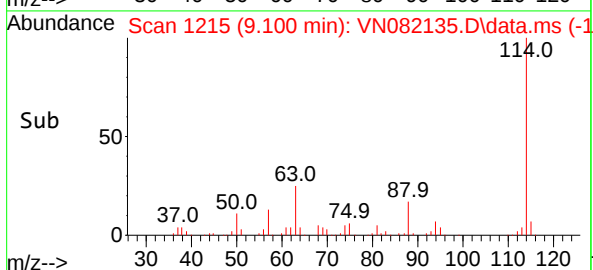
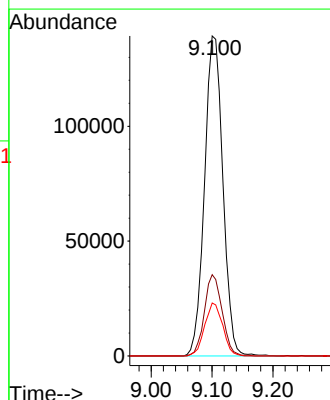
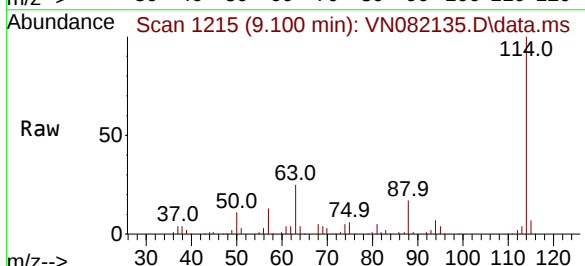
Tgt Ion: 114 Resp: 292388

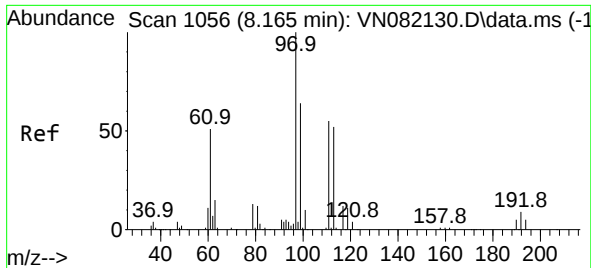
Ion Ratio Lower Upper

114 100

63 25.4 0.0 41.0

88 16.6 0.0 31.4

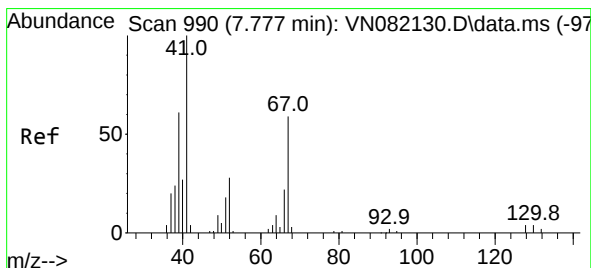
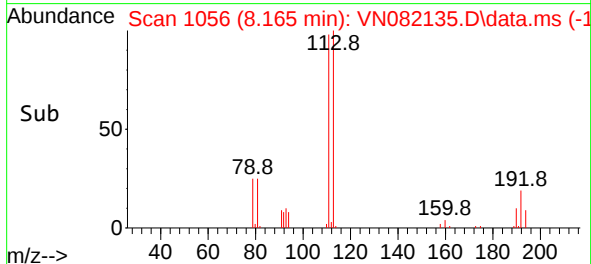
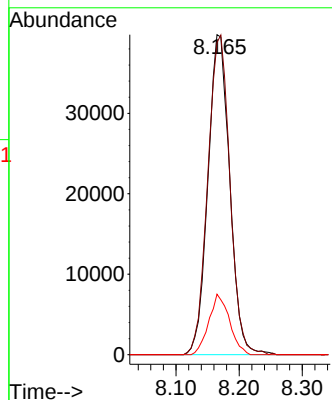
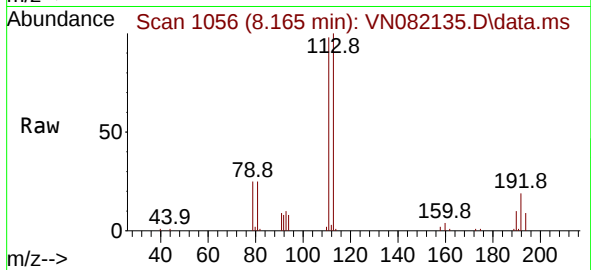




#35
Dibromofluoromethane
Concen: 52.936 ug/l
RT: 8.165 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

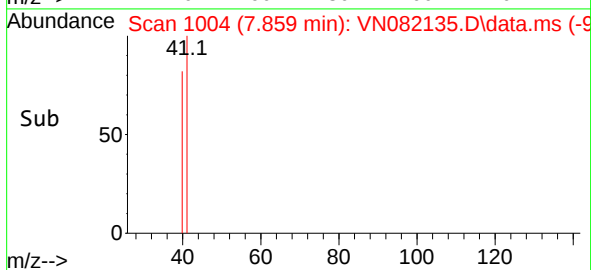
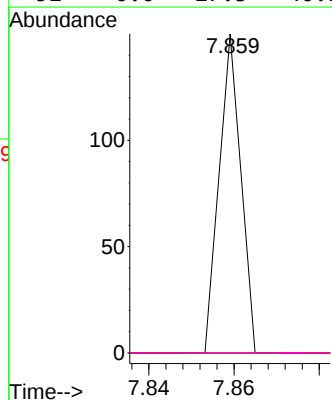
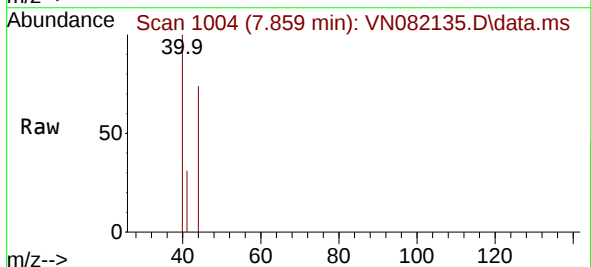
Instrument :
MSVOA_N
ClientSampleId :
IBLK

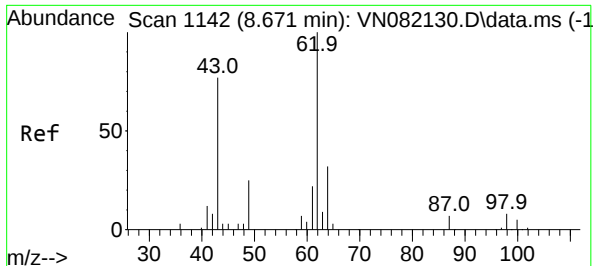
Tgt Ion:113 Resp: 95213
Ion Ratio Lower Upper
113 100
111 101.5 83.4 125.2
192 18.0 14.0 21.0



#41
Methacrylonitrile
Concen: 0.027 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 0.0 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.023 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082135.D

Acq: 15 May 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

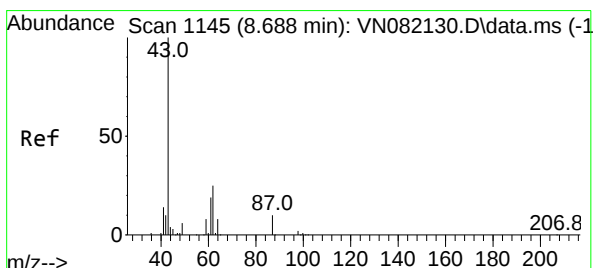
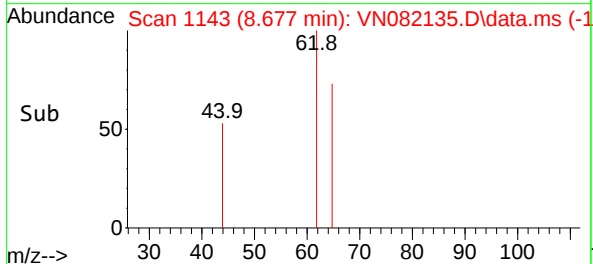
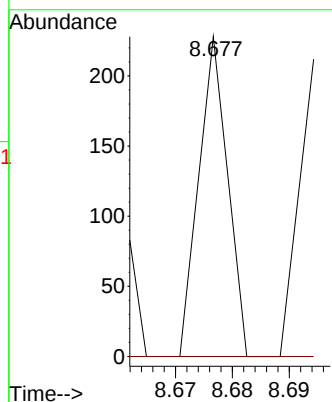
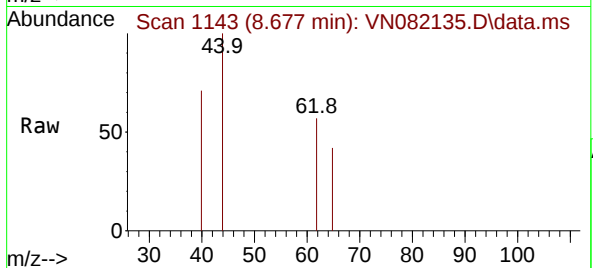
IBLK

Tgt Ion: 62 Resp: 80

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 0.010 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.035 min

Lab File: VN082135.D

Acq: 15 May 2024 16:12

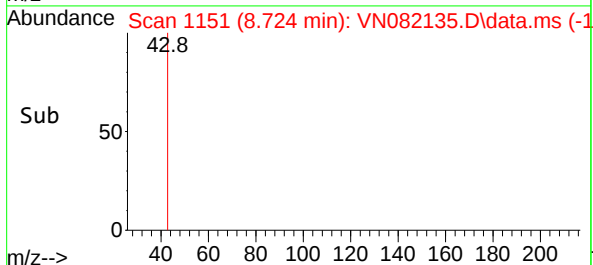
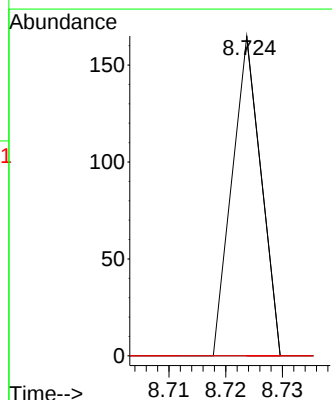
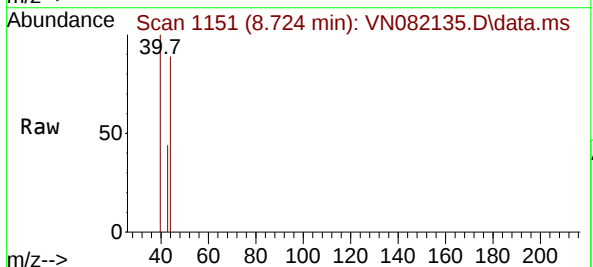
Tgt Ion: 43 Resp: 58

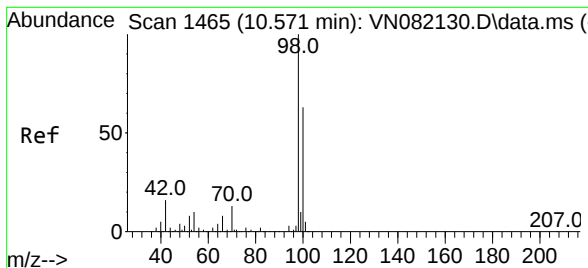
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

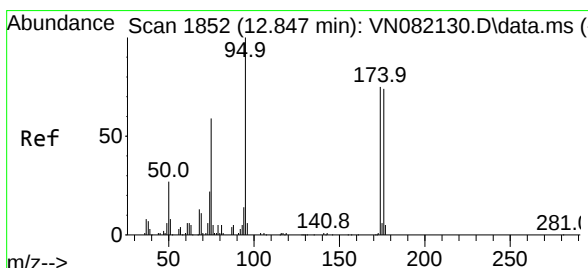
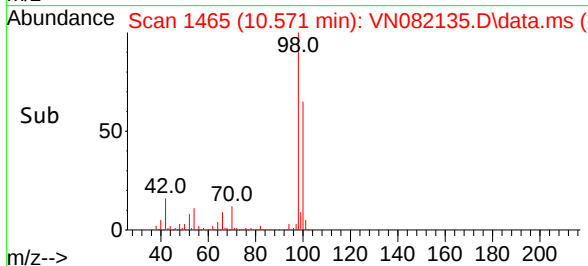
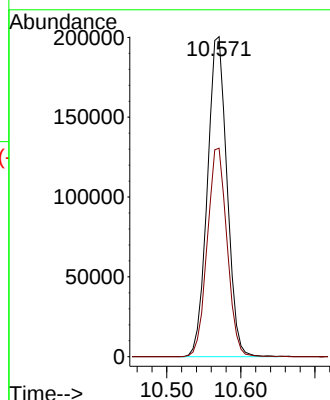
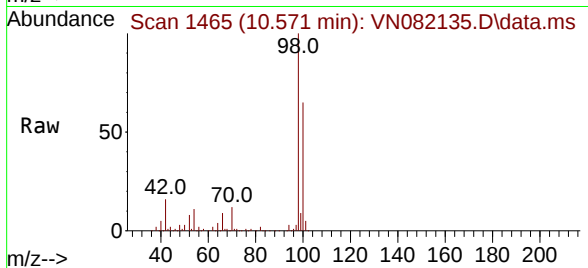




#50
Toluene-d8
Concen: 53.470 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

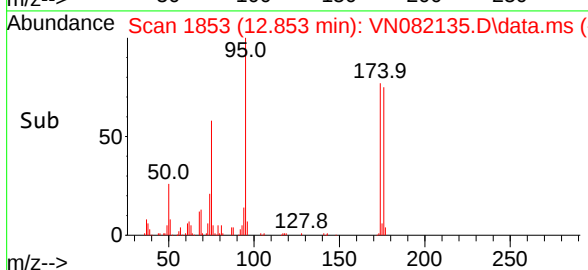
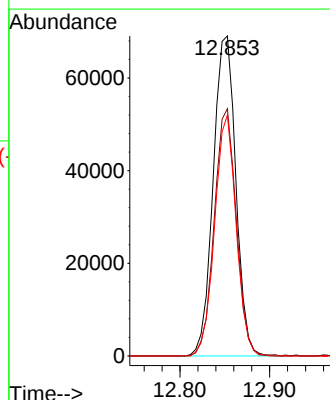
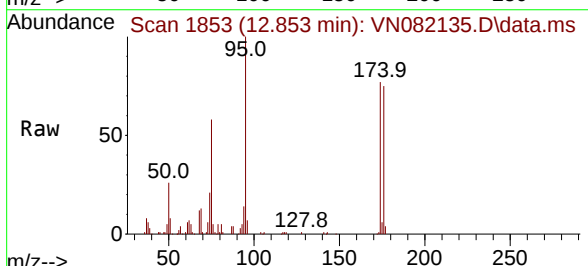
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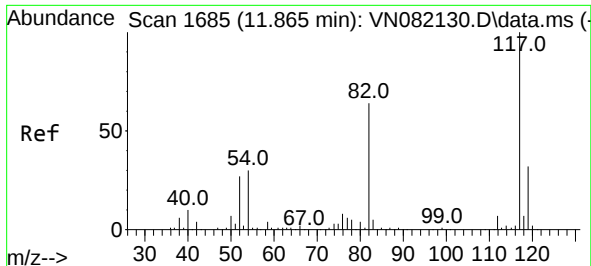
Tgt Ion: 98 Resp: 368719
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 49.049 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion: 95 Resp: 120724
Ion Ratio Lower Upper
95 100
174 75.3 0.0 160.6
176 71.5 0.0 152.8

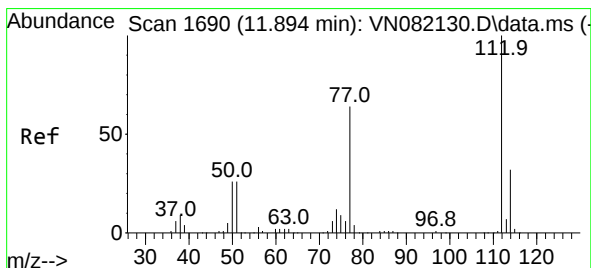
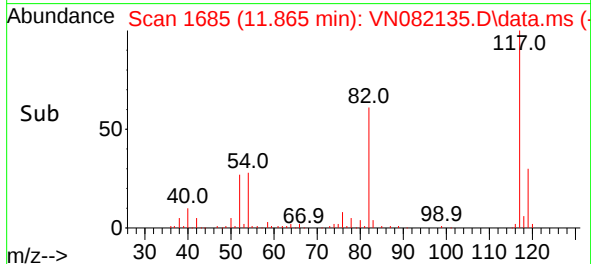
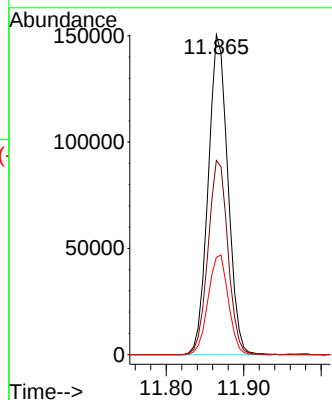
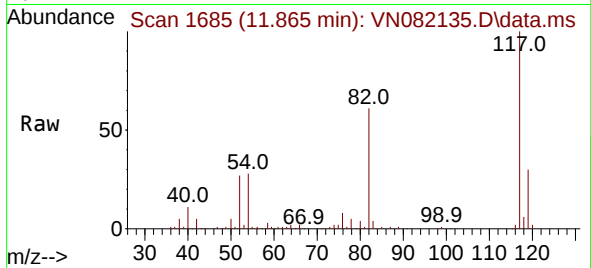




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

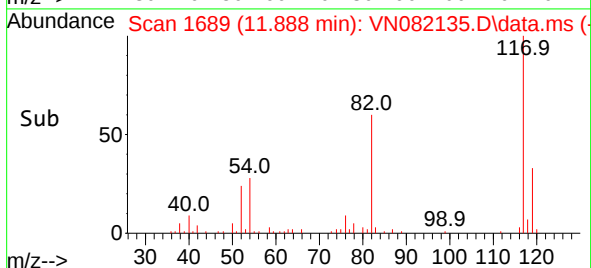
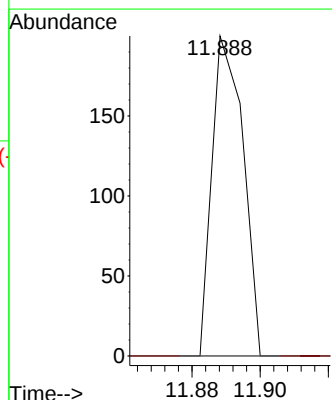
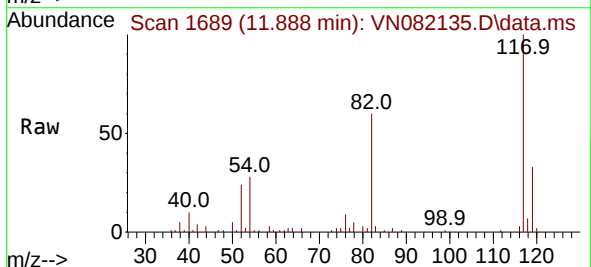
Instrument :
MSVOA_N
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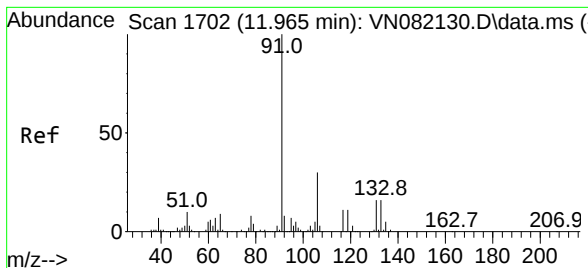
Tgt Ion:117 Resp: 265253
Ion Ratio Lower Upper
117 100
82 60.7 44.6 66.8
119 30.4 25.9 38.9



#65
Chlorobenzene
Concen: 0.022 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion:112 Resp: 126
Ion Ratio Lower Upper
112 100
114 0.0 25.7 38.5#





#67

Ethyl Benzene

Concen: 0.029 ug/l

RT: 11.959 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN082135.D

Acq: 15 May 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

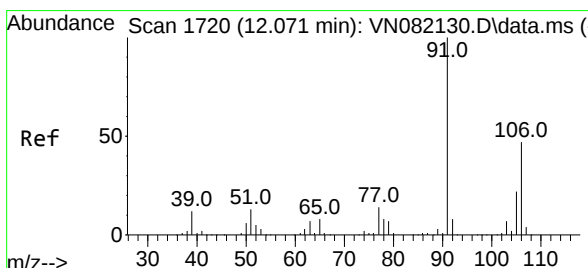
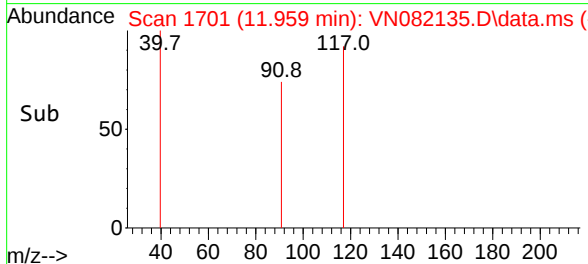
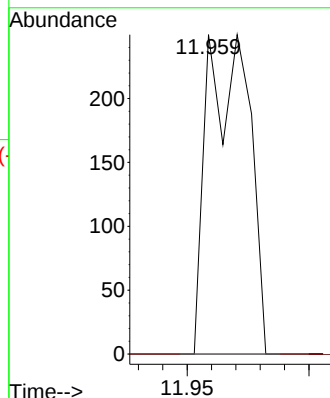
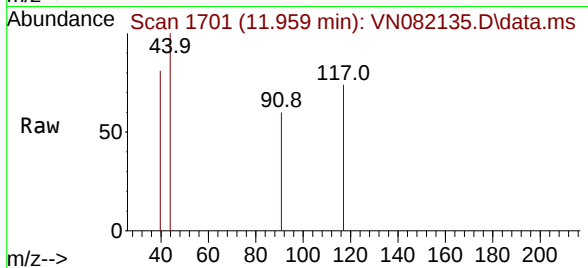
IBLK

Tgt Ion: 91 Resp: 301

Ion Ratio Lower Upper

91 100

106 0.0 25.3 37.9#



#68

m/p-Xylenes

Concen: 0.017 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN082135.D

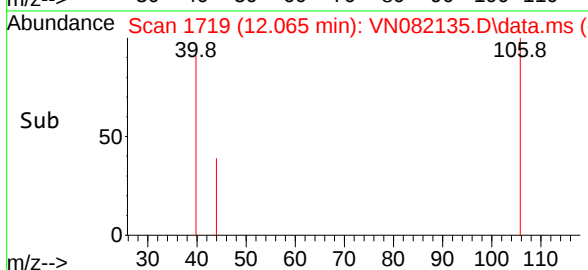
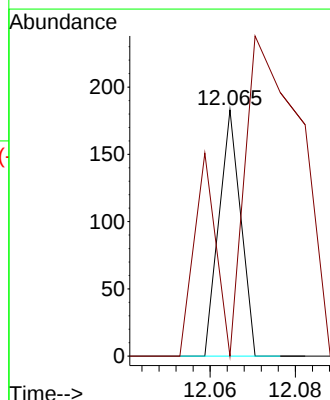
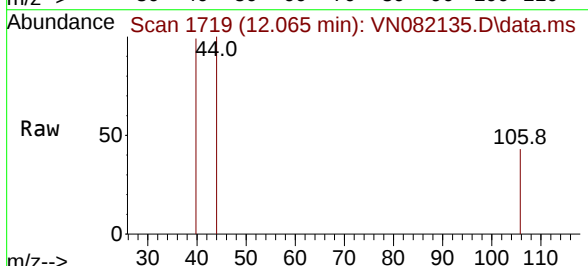
Acq: 15 May 2024 16:12

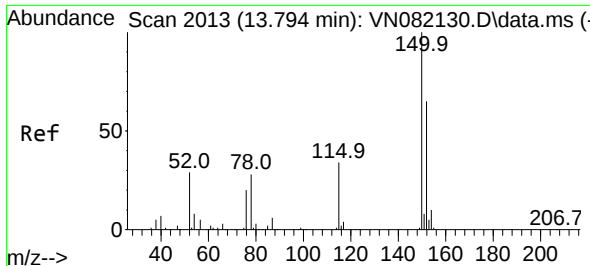
Tgt Ion: 106 Resp: 65

Ion Ratio Lower Upper

106 100

91 410.8 159.4 239.0#

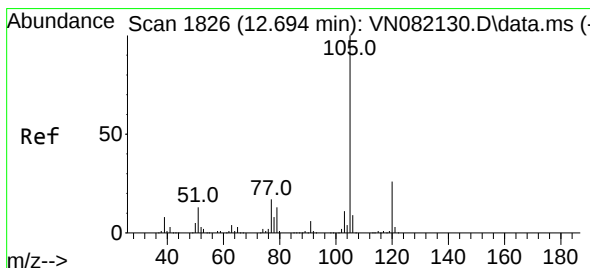
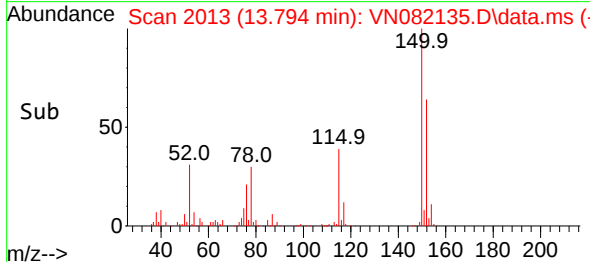
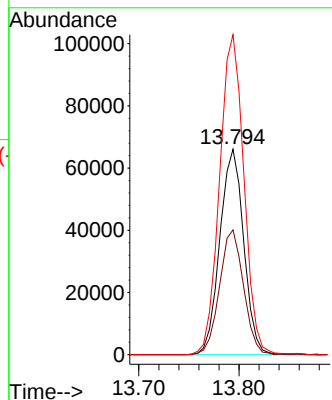
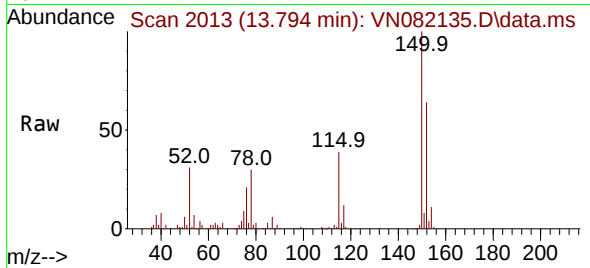




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

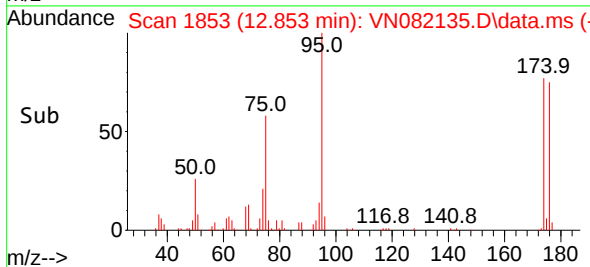
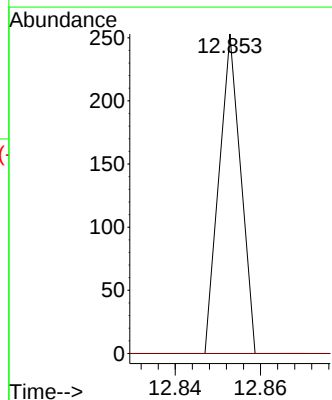
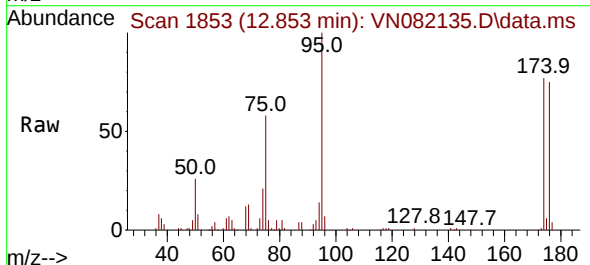
Instrument :
MSVOA_N
ClientSampleId :
IBLK

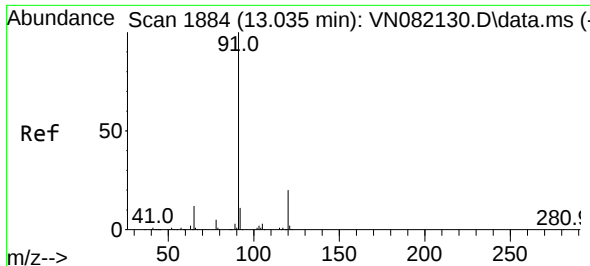
Tgt Ion:152 Resp: 109153
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 158.6 0.0 353.2



#73
Isopropylbenzene
Concen: 0.010 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.159 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion:105 Resp: 89
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.1#

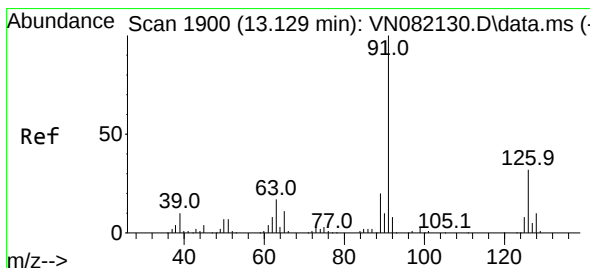
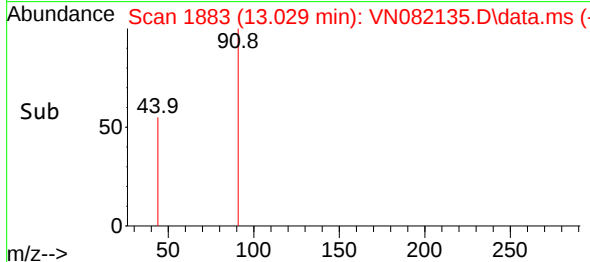
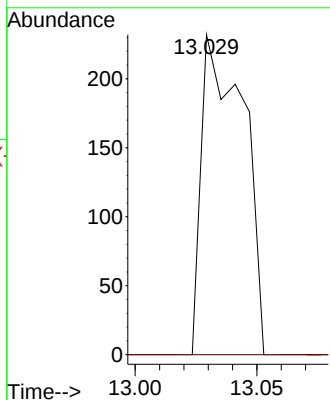
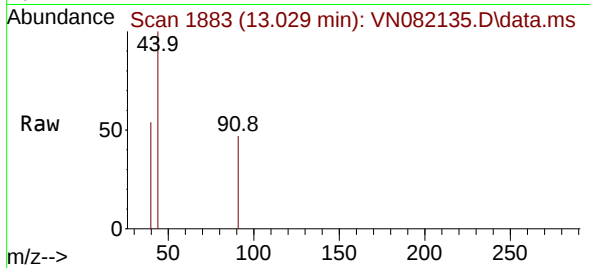




#78
n-propylbenzene
Concen: 0.027 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

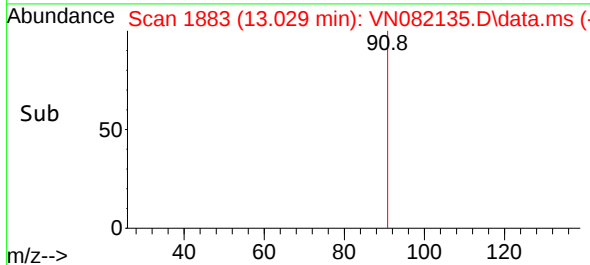
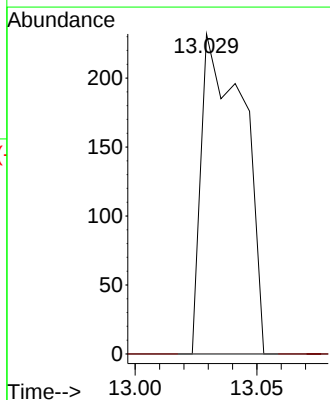
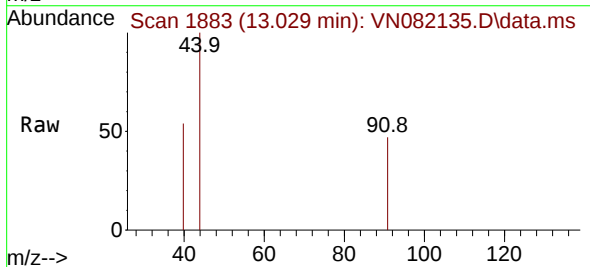
Instrument :
MSVOA_N
ClientSampleId :
IBLK

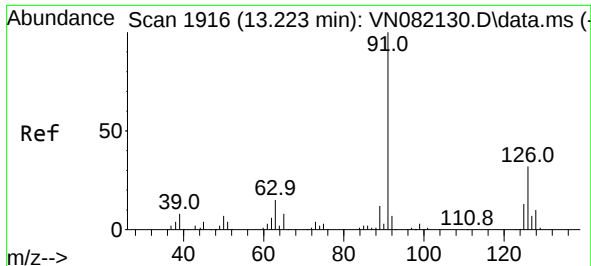
Tgt Ion: 91 Resp: 279
Ion Ratio Lower Upper
91 100
120 0.0 11.7 35.0#



#79
2-Chlorotoluene
Concen: 0.043 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.100 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion: 91 Resp: 279
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#

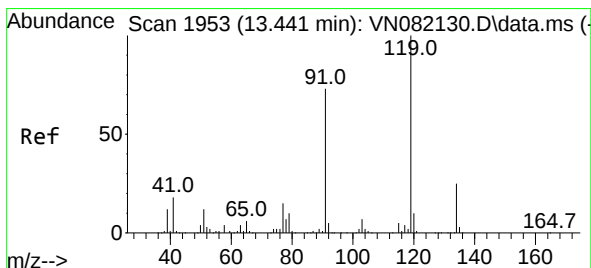
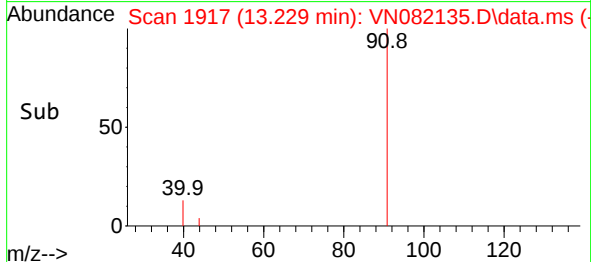
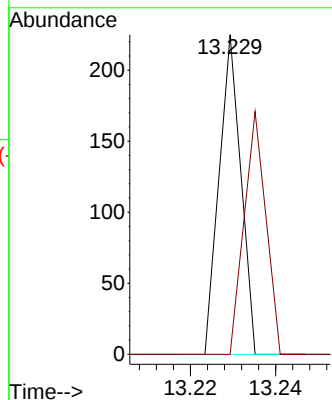
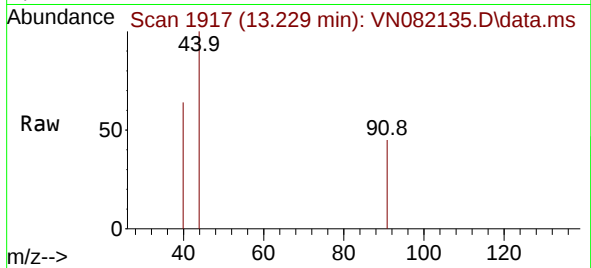




#82
4-Chlorotoluene
Concen: 0.013 ug/l
RT: 13.229 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

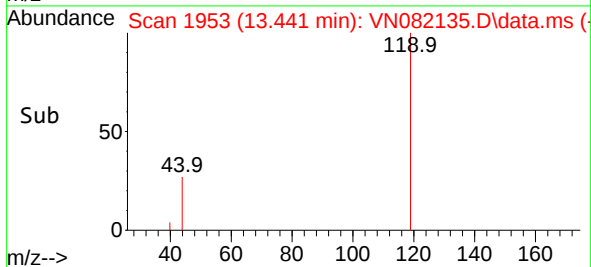
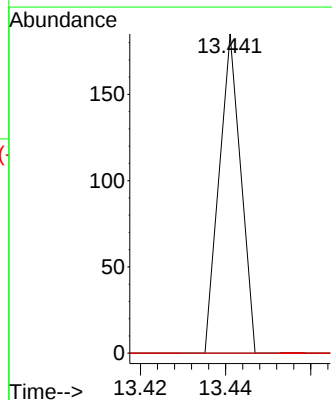
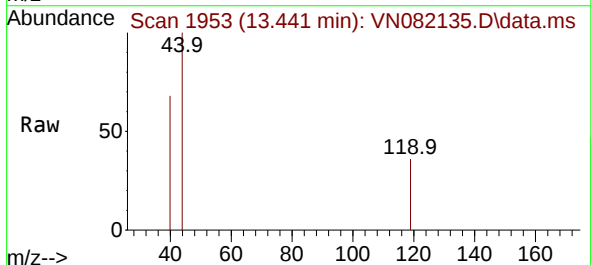
Instrument :
MSVOA_N
ClientSampleId :
IBLK

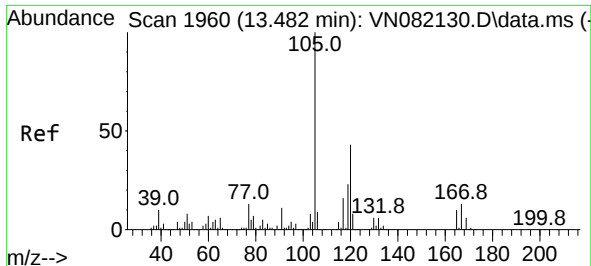
Tgt Ion: 91 Resp: 79
Ion Ratio Lower Upper
91 100
126 75.9 17.4 52.3#



#83
tert-Butylbenzene
Concen: 0.011 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion: 119 Resp: 65
Ion Ratio Lower Upper
119 100
91 0.0 32.6 97.8#
134 0.0 12.4 37.0#

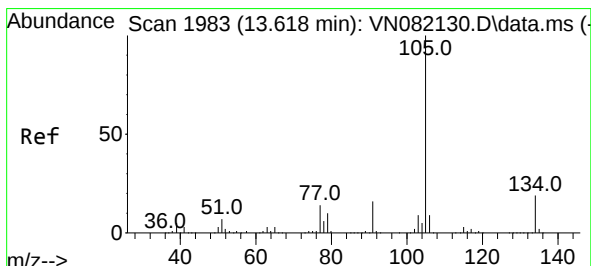
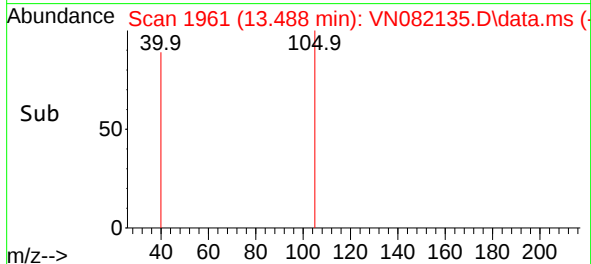
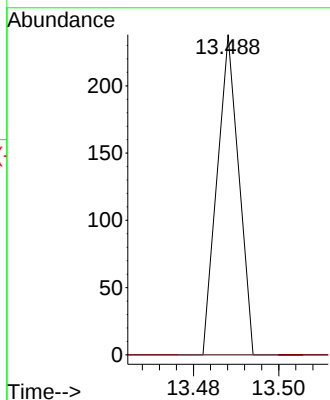
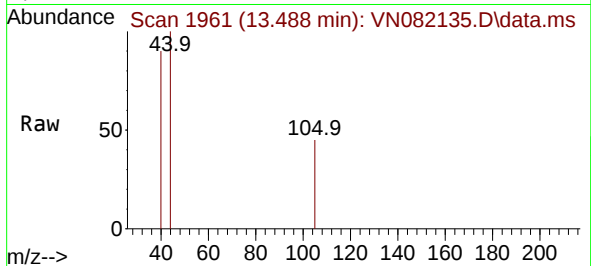




#84
1,2,4-Trimethylbenzene
Concen: 0.012 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

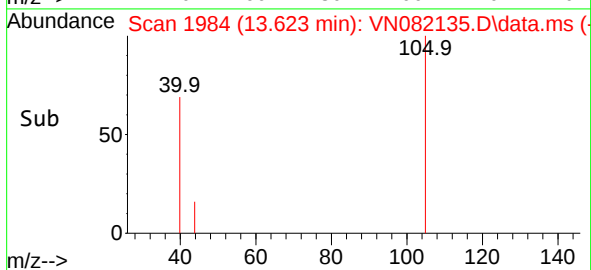
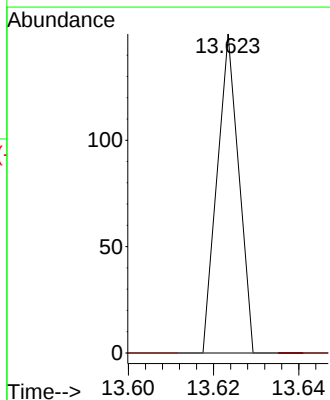
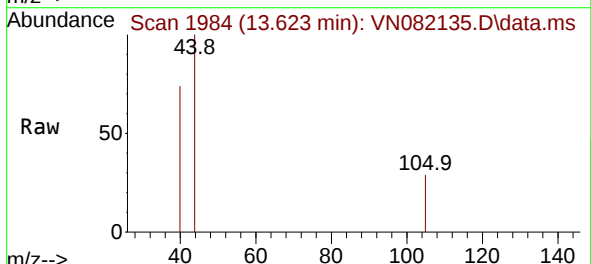
Instrument :
MSVOA_N
ClientSampleId :
IBLK

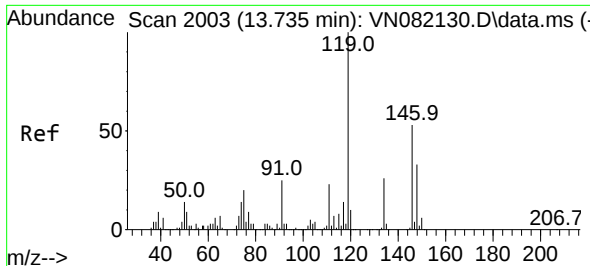
Tgt Ion:105 Resp: 84
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#85
sec-Butylbenzene
Concen: 0.006 ug/l
RT: 13.623 min Scan# 1984
Delta R.T. 0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

Tgt Ion:105 Resp: 53
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

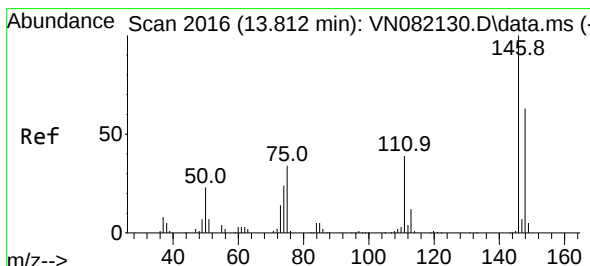
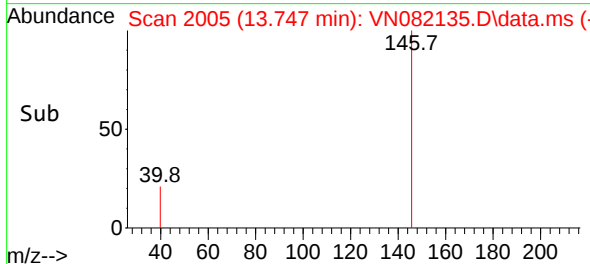
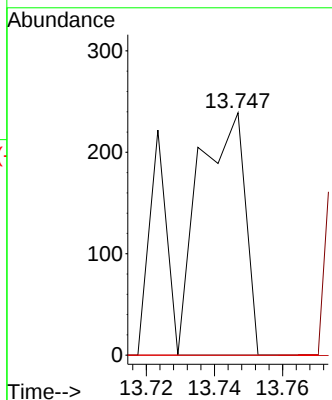
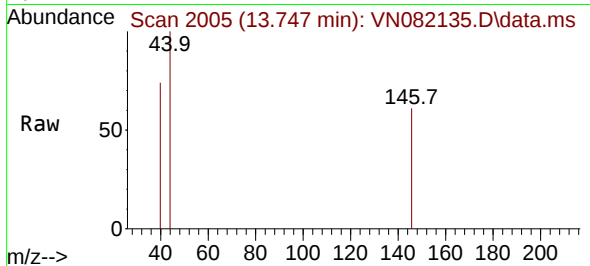




#87
 1,3-Dichlorobenzene
 Concen: 0.060 ug/l
 RT: 13.747 min Scan# 2005
 Delta R.T. 0.012 min
 Lab File: VN082135.D
 Acq: 15 May 2024 16:12

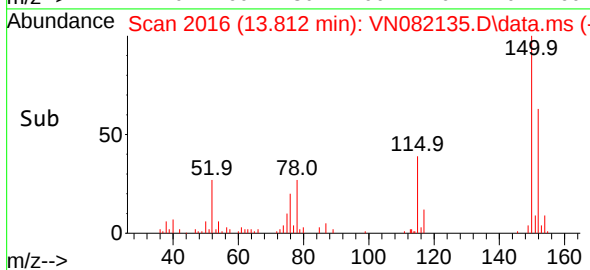
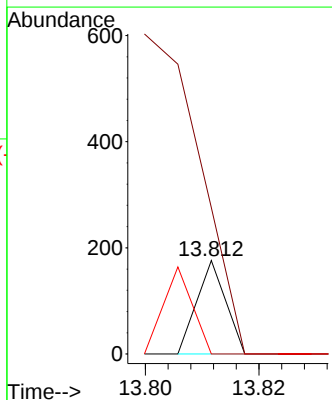
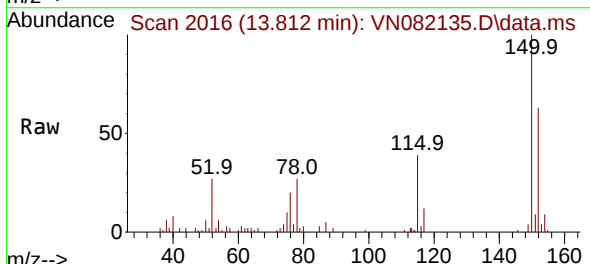
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

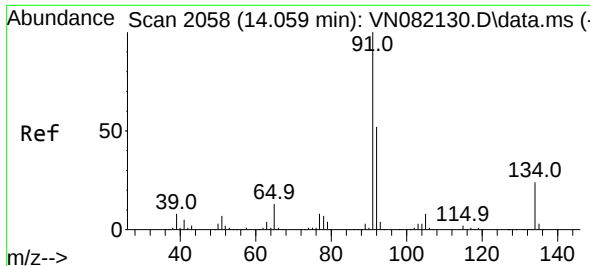
Tgt Ion:146 Resp: 223
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.5#
 148 0.0 32.1 96.3#



#88
 1,4-Dichlorobenzene
 Concen: 0.016 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN082135.D
 Acq: 15 May 2024 16:12

Tgt Ion:146 Resp: 62
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.3 57.9#
 148 0.0 31.3 93.9#

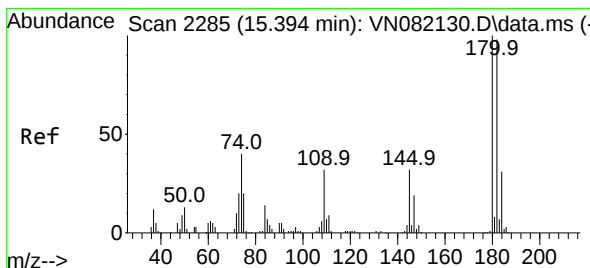
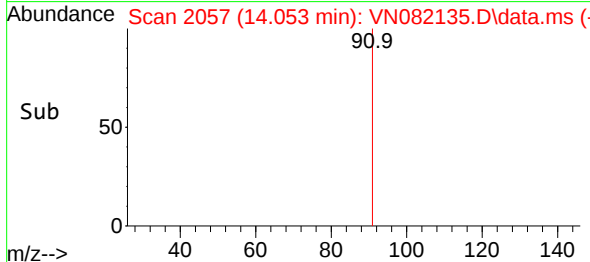
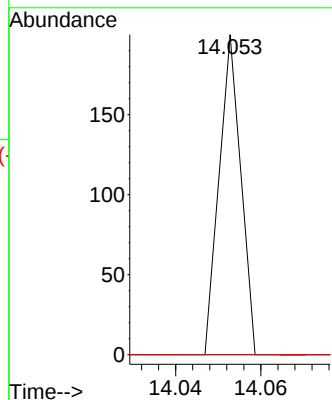
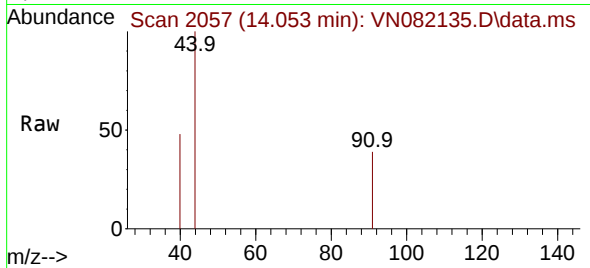




#89
n-Butylbenzene
Concen: 0.011 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

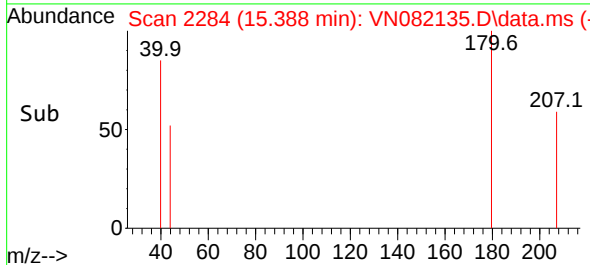
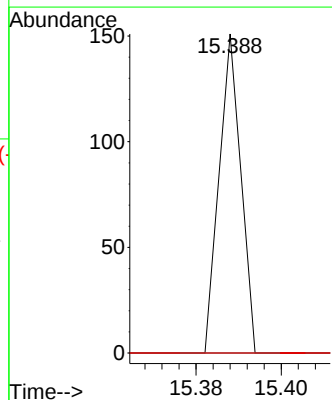
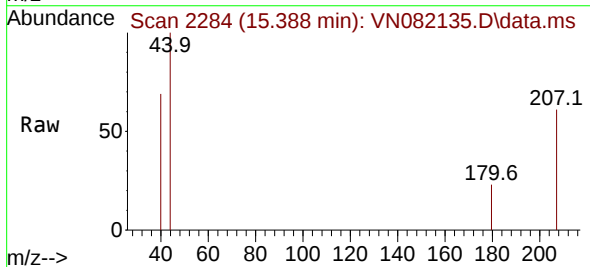
Instrument :
MSVOA_N
ClientSampleId :
IBLK

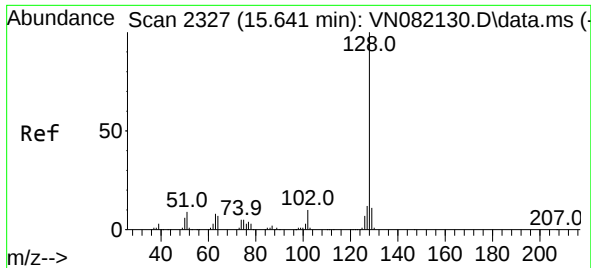
Tgt Ion: 91 Resp: 71
Ion Ratio Lower Upper
91 100
92 0.0 26.2 78.5#
134 0.0 13.2 39.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.027 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN082135.D
Acq: 15 May 2024 16:12

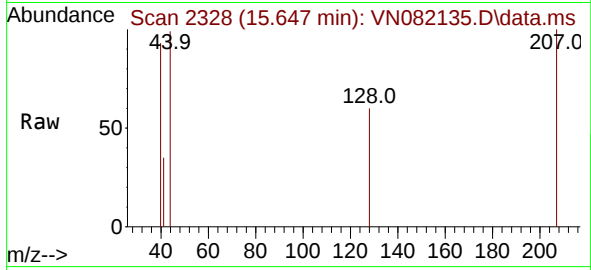
Tgt Ion: 180 Resp: 53
Ion Ratio Lower Upper
180 100
182 0.0 46.7 140.0#
145 0.0 16.2 48.6#





#95
 Naphthalene
 Concen: 0.068 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082135.D
 Acq: 15 May 2024 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	128	Resp:	421
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.1	15.1#
129	0.0	8.9	13.3#

