

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082234.D
 Acq On : 21 May 2024 12:40
 Operator : JC\MD
 Sample : P2541-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50322DL

Quant Time: May 22 01:25:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

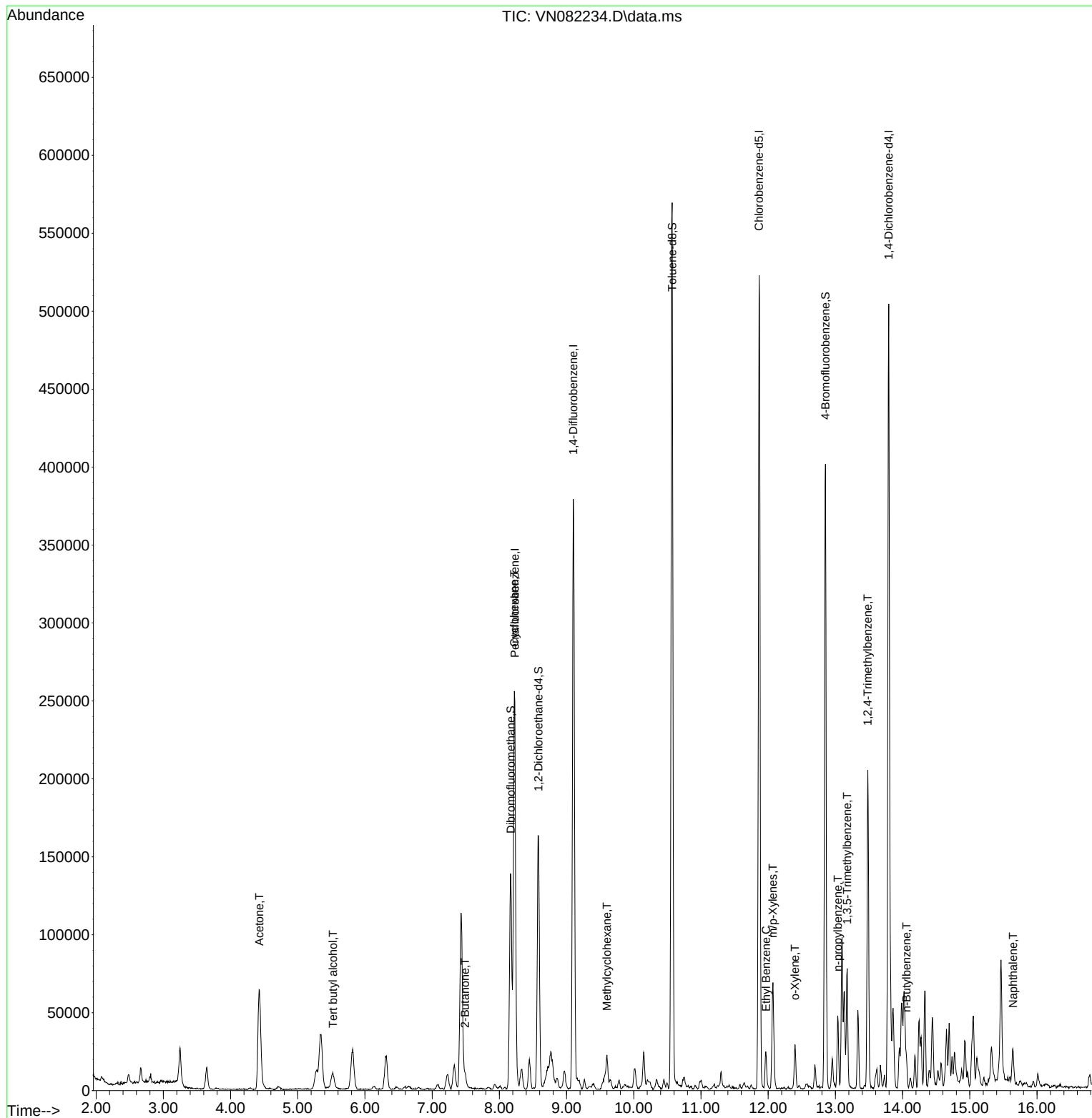
Internal Standards						
1) Pentafluorobenzene	8.229	168	166167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135836	51.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.540%			
35) Dibromofluoromethane	8.171	113	96752	53.735	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.460%			
50) Toluene-d8	10.570	98	370646	53.692	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.380%			
62) 4-Bromofluorobenzene	12.853	95	129952	52.743	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.480%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	17954	42.628	ug/l	98
16) Acetone	4.430	43	124022	115.226	ug/l #	87
25) 2-Butanone	7.488	43	12866	7.884	ug/l #	80
31) Cyclohexane	8.224	56	9658	2.305	ug/l #	55
39) Methylcyclohexane	9.600	83	7144	2.158	ug/l #	72
67) Ethyl Benzene	11.970	91	14942	1.393	ug/l #	84
68) m/p-Xylenes	12.070	106	19451	4.948	ug/l	86
69) o-Xylene	12.400	106	7089	1.862	ug/l	93
78) n-propylbenzene	13.035	91	35141	3.063	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	37791	4.823	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	109643	13.678	ug/l	97
89) n-Butylbenzene	14.059	91	10147	1.462	ug/l #	73
95) Naphthalene	15.647	128	13949	2.005	ug/l	97

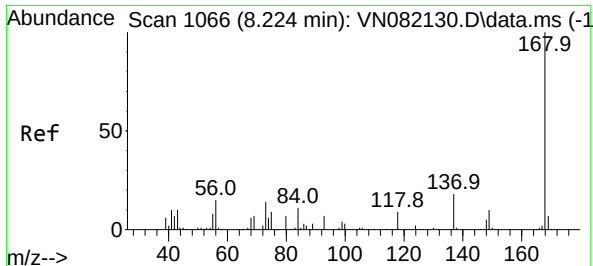
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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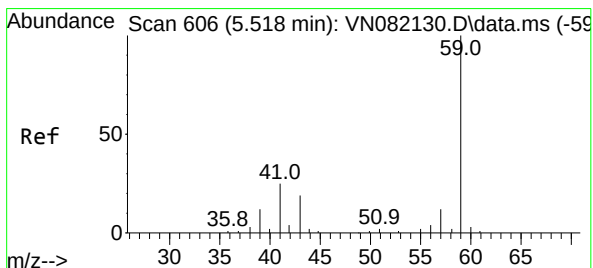
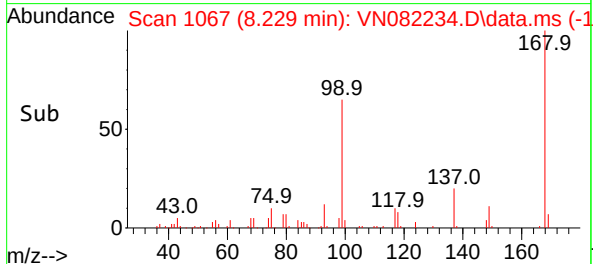
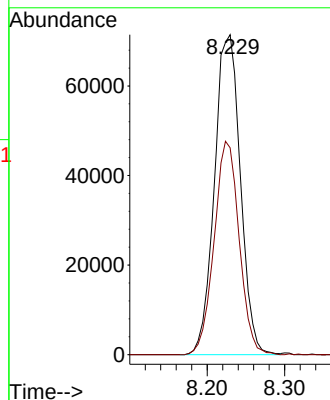
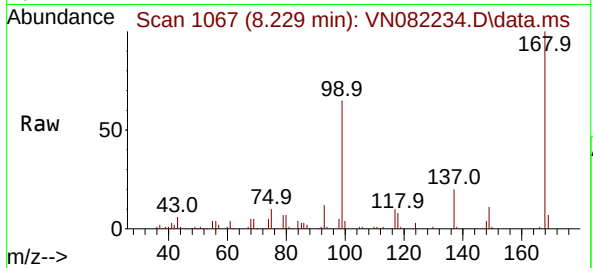




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

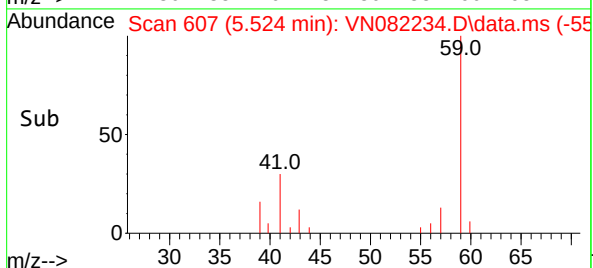
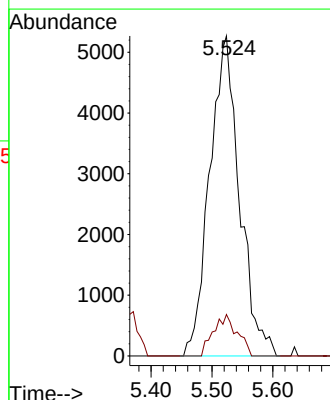
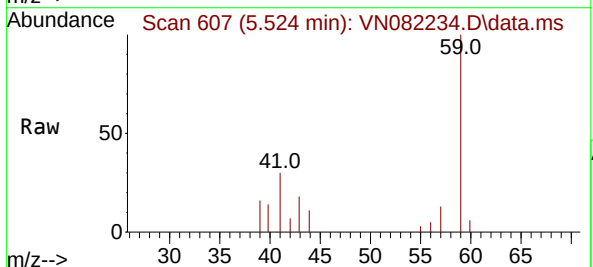
Instrument :
MSVOA_N
ClientSampleId :
50322DL

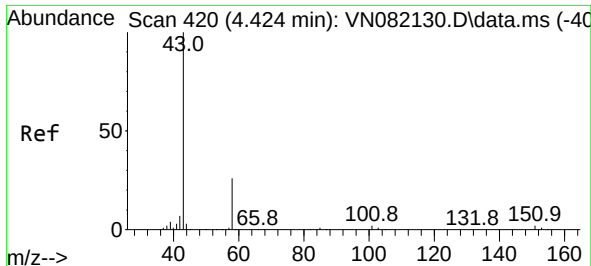
Tgt Ion:168 Resp: 166167
Ion Ratio Lower Upper
168 100
99 64.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 42.628 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

Tgt Ion: 59 Resp: 17954
Ion Ratio Lower Upper
59 100
57 10.3 8.9 13.3

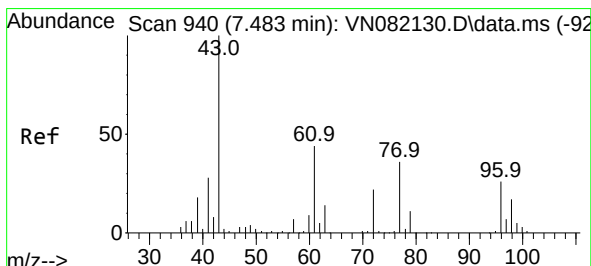
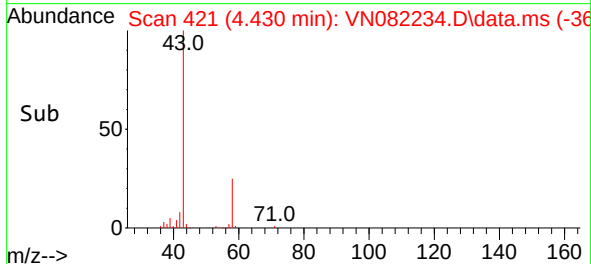
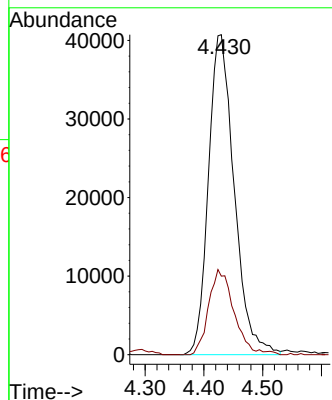
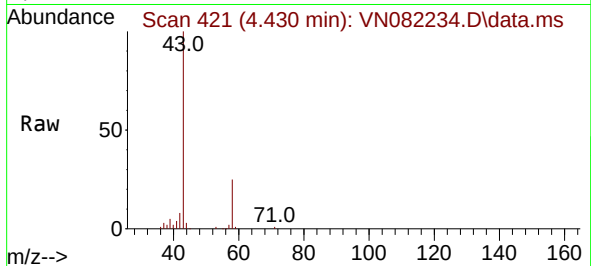




#16
Acetone
Concen: 115.226 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

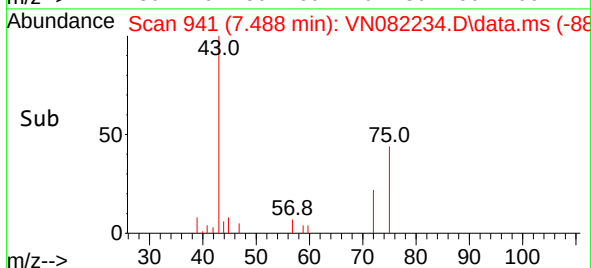
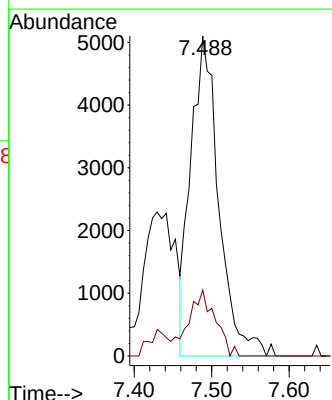
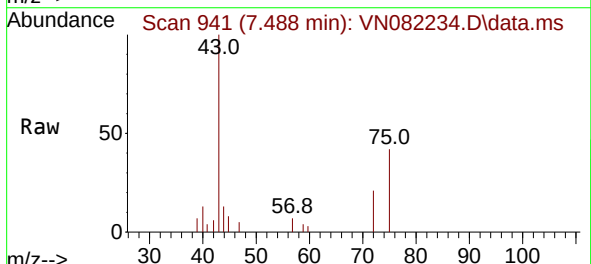
Instrument :
MSVOA_N
ClientSampleId :
50322DL

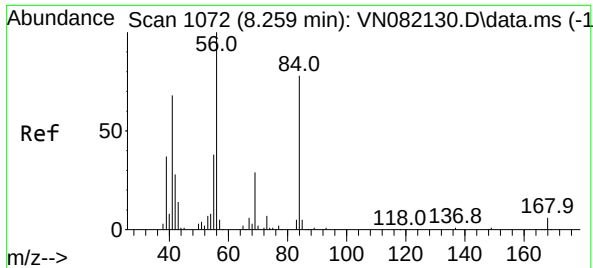
Tgt Ion: 43 Resp: 124022
Ion Ratio Lower Upper
43 100
58 24.6 25.2 37.8#



#25
2-Butanone
Concen: 7.884 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

Tgt Ion: 43 Resp: 12866
Ion Ratio Lower Upper
43 100
72 20.7 25.3 37.9#

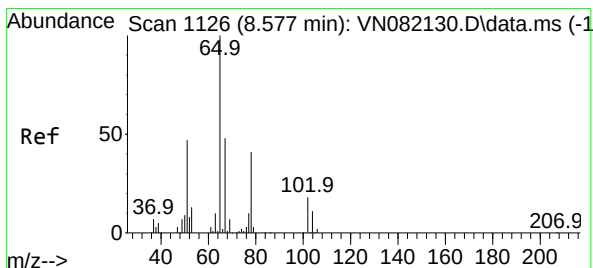
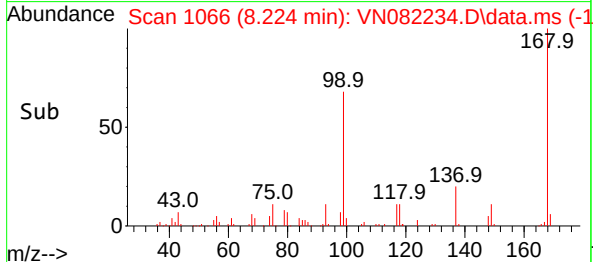
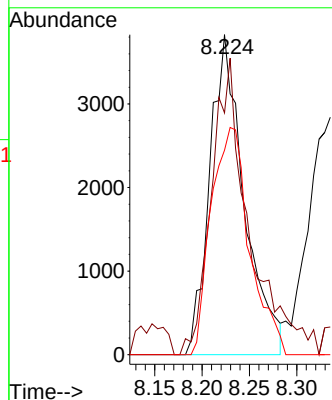
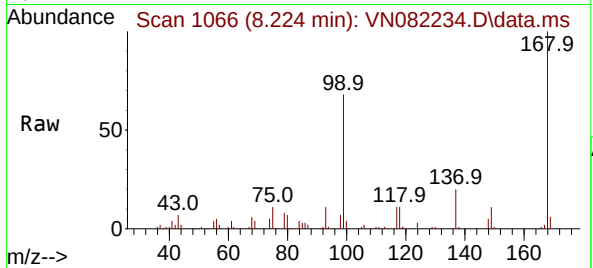




#31
Cyclohexane
Concen: 2.305 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

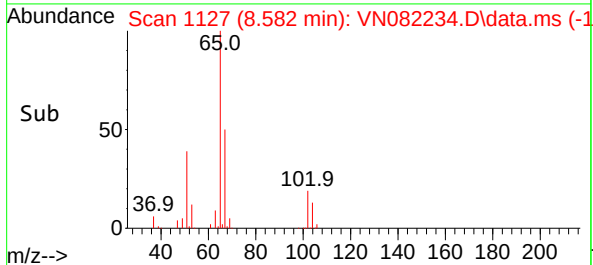
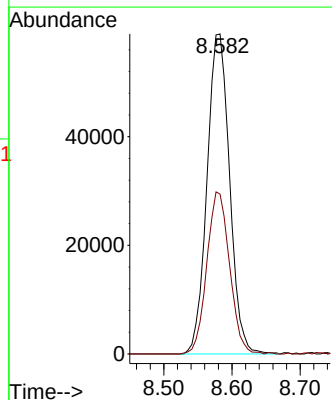
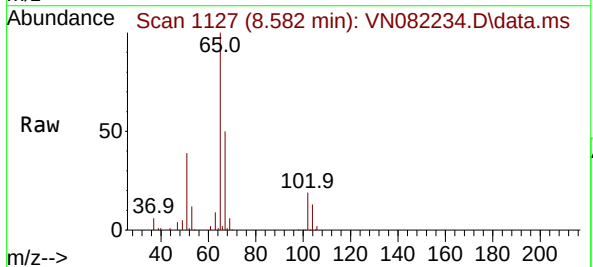
Instrument :
MSVOA_N
ClientSampleId :
50322DL

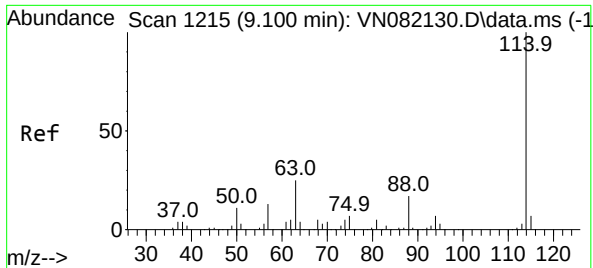
Tgt Ion: 56 Resp: 9658
Ion Ratio Lower Upper
56 100
69 75.6 24.4 36.6#
84 63.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 51.770 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

Tgt Ion: 65 Resp: 135836
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0

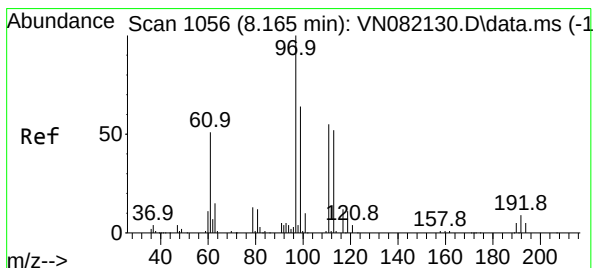
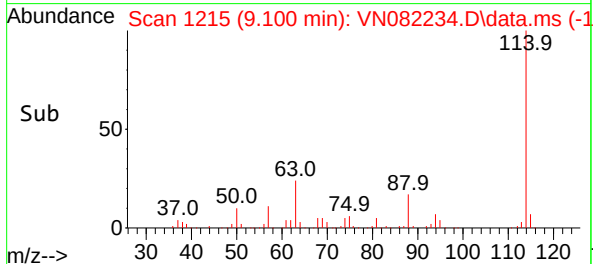
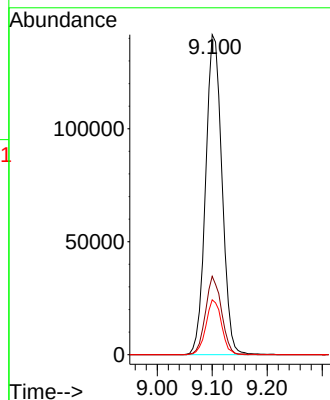
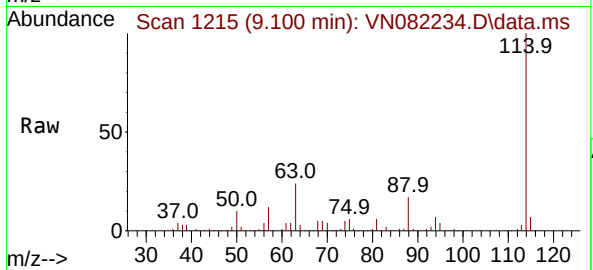




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

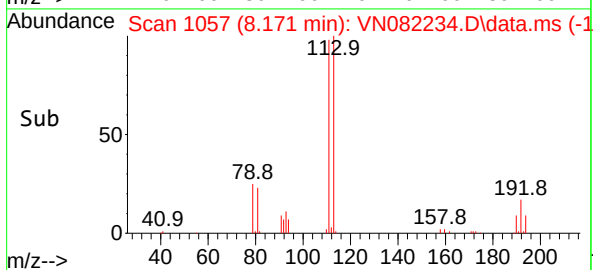
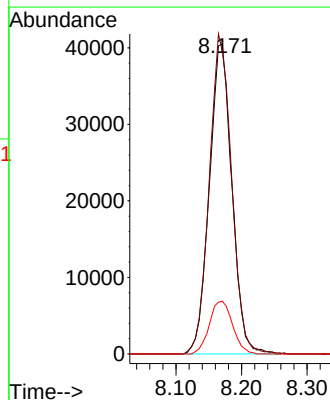
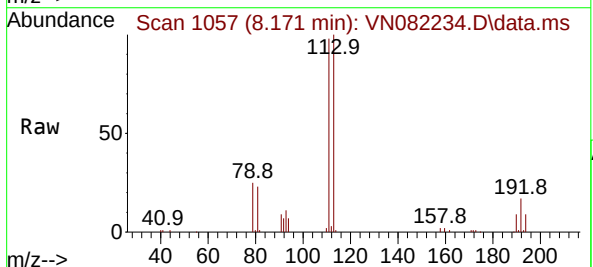
Instrument :
MSVOA_N
ClientSampleId :
50322DL

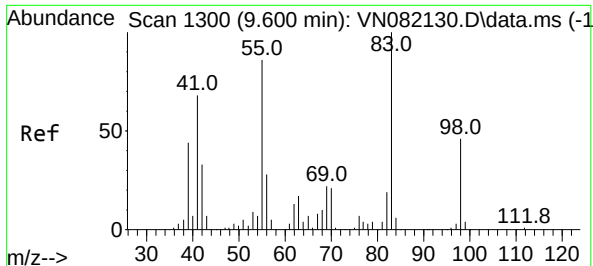
Tgt Ion:114 Resp: 292698
Ion Ratio Lower Upper
114 100
63 24.5 0.0 41.0
88 17.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.735 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

Tgt Ion:113 Resp: 96752
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 17.5 14.0 21.0





#39

Methylcyclohexane

Concen: 2.158 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN082234.D

Acq: 21 May 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

50322DL

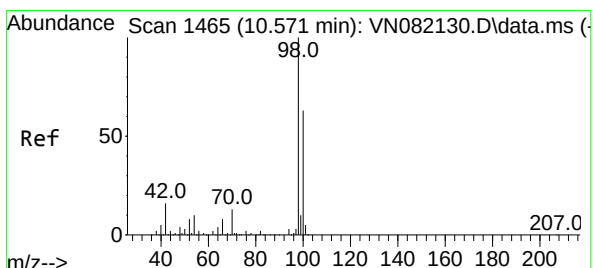
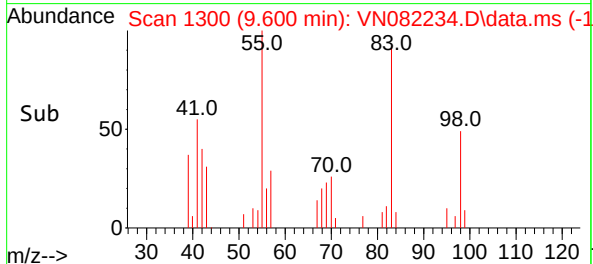
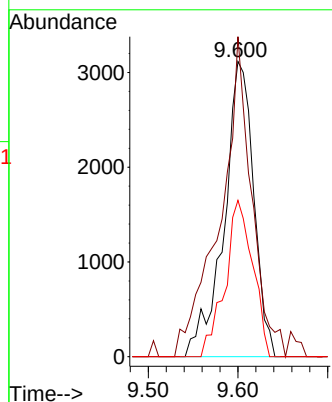
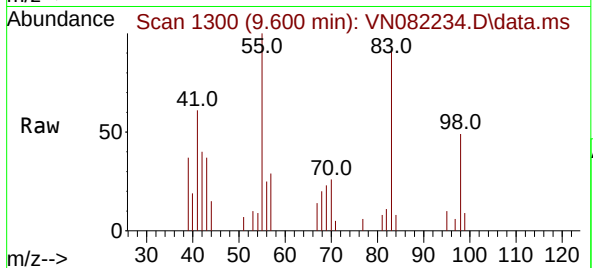
Tgt Ion: 83 Resp: 7144

Ion Ratio Lower Upper

83 100

55 99.2 53.0 79.6#

98 53.0 37.1 55.7



#50

Toluene-d8

Concen: 53.692 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082234.D

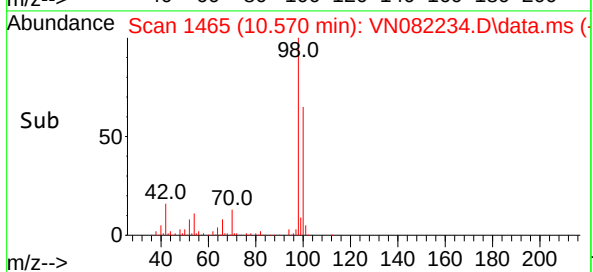
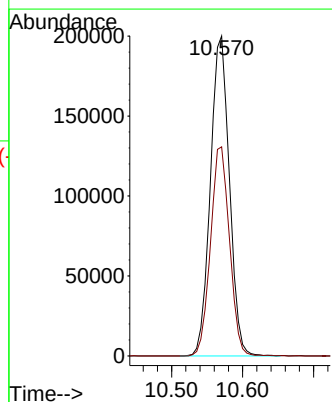
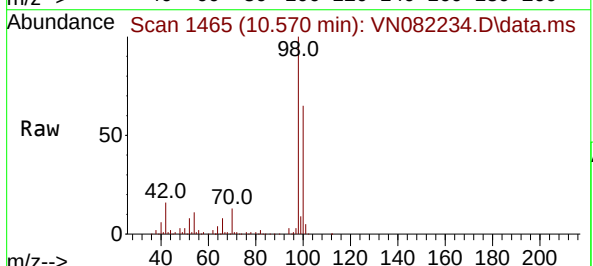
Acq: 21 May 2024 12:40

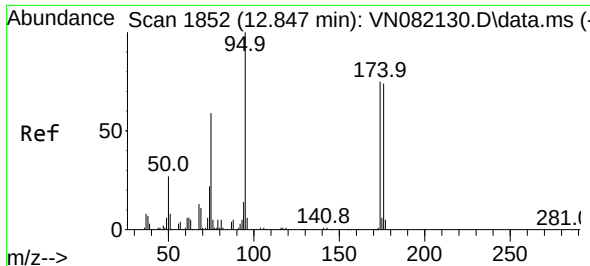
Tgt Ion: 98 Resp: 370646

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.6

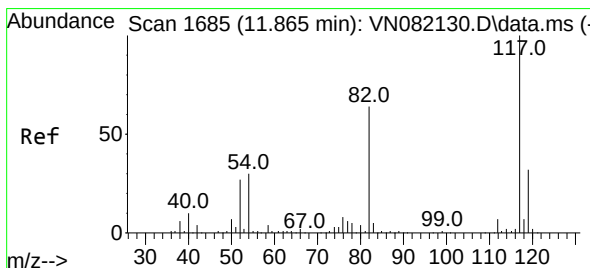
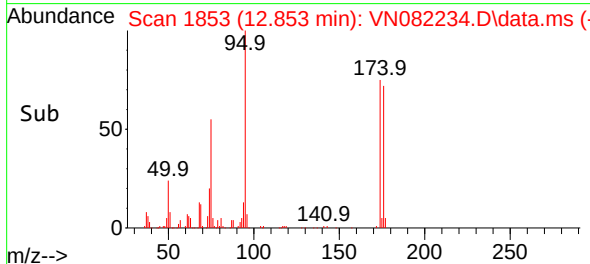
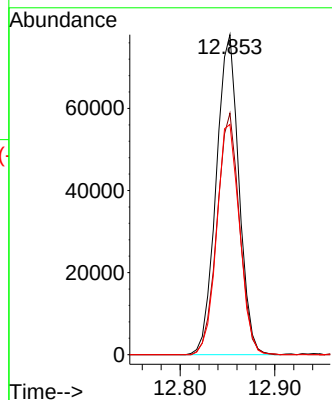
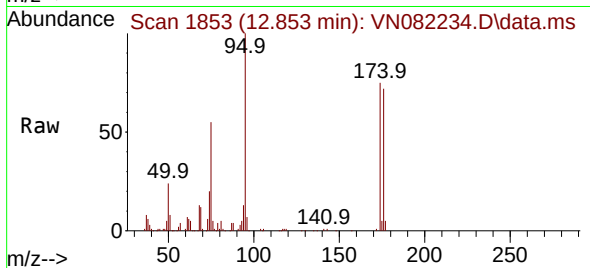




#62
4-Bromofluorobenzene
Concen: 52.743 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

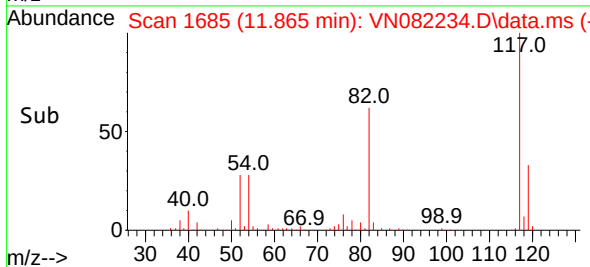
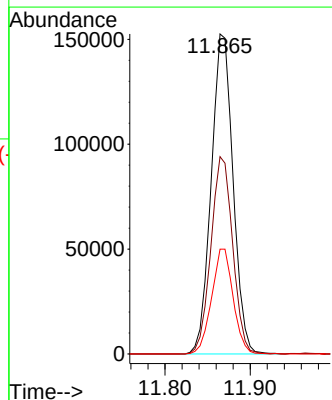
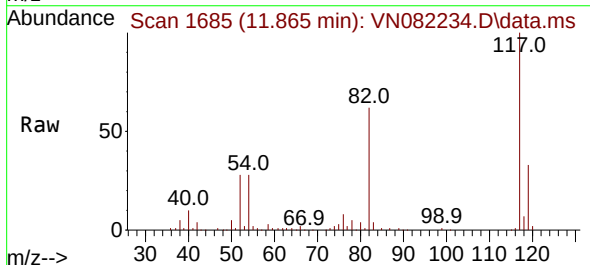
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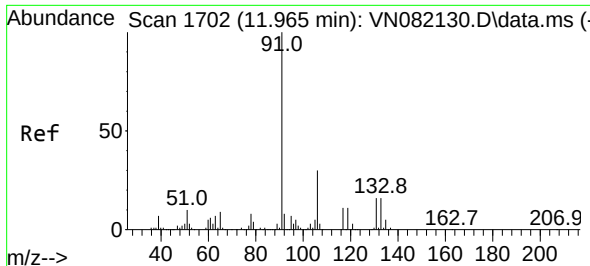
Tgt Ion: 95 Resp: 129952
Ion Ratio Lower Upper
95 100
174 74.7 0.0 160.6
176 72.4 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

Tgt Ion: 117 Resp: 271392
Ion Ratio Lower Upper
117 100
82 61.7 44.6 66.8
119 32.8 25.9 38.9





#67

Ethyl Benzene

Concen: 1.393 ug/l

RT: 11.970 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082234.D

Acq: 21 May 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

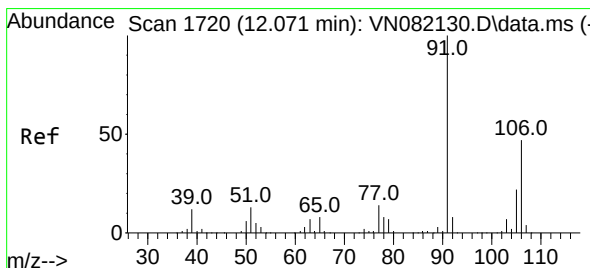
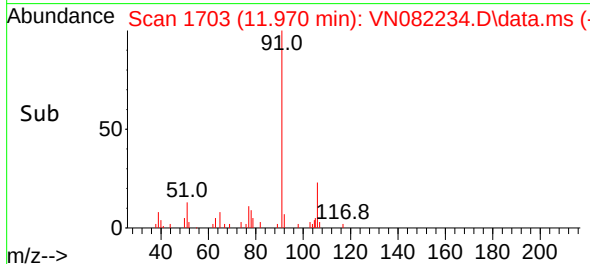
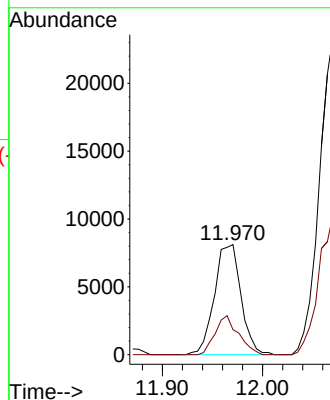
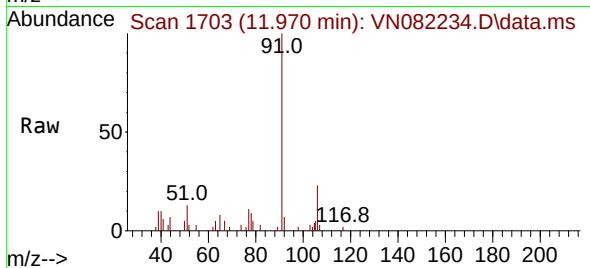
50322DL

Tgt Ion: 91 Resp: 14942

Ion Ratio Lower Upper

91 100

106 22.7 25.3 37.9#



#68

m/p-Xylenes

Concen: 4.948 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN082234.D

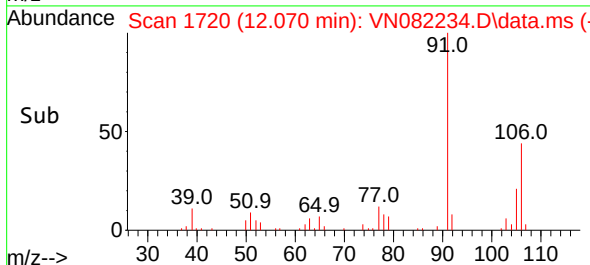
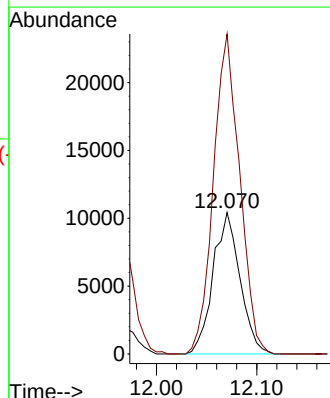
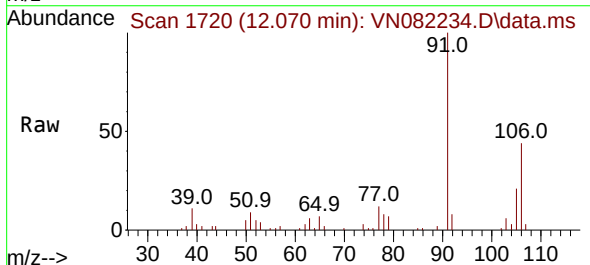
Acq: 21 May 2024 12:40

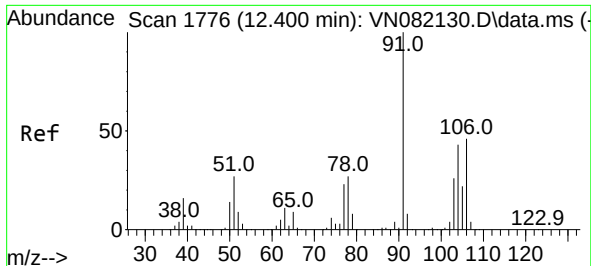
Tgt Ion:106 Resp: 19451

Ion Ratio Lower Upper

106 100

91 221.0 159.4 239.0

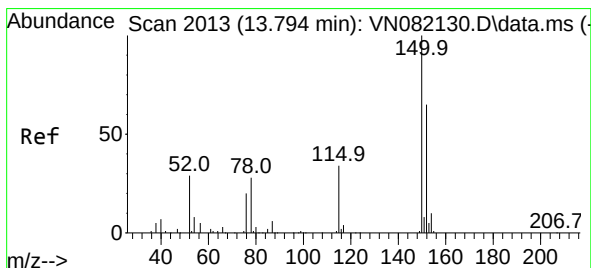
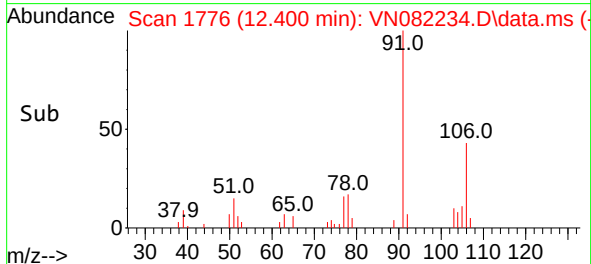
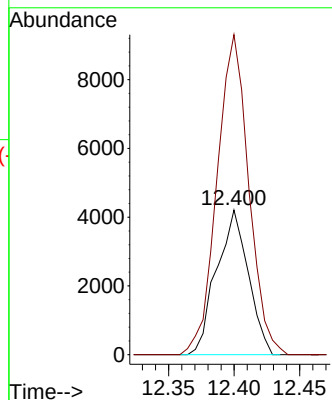
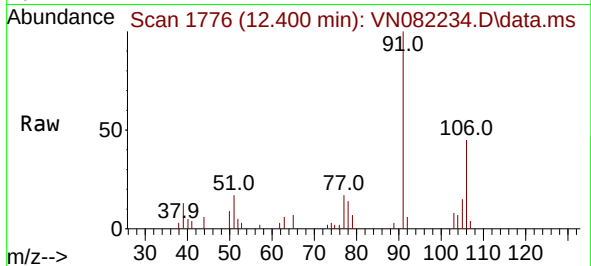




#69
o-Xylene
Concen: 1.862 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

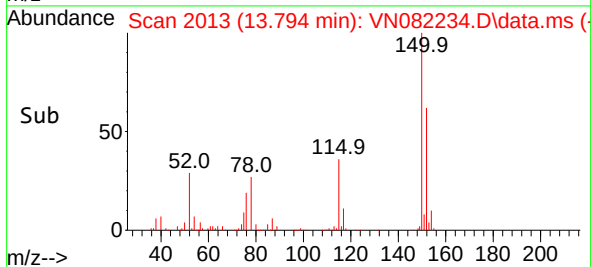
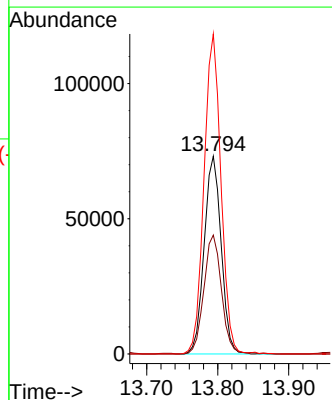
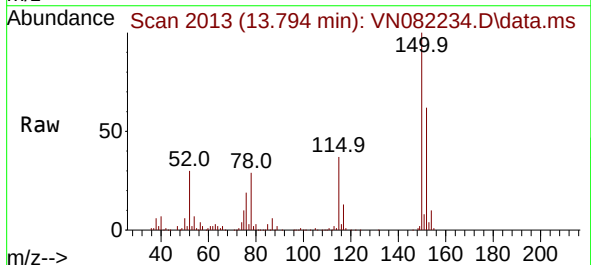
Instrument :
MSVOA_N
ClientSampleId :
50322DL

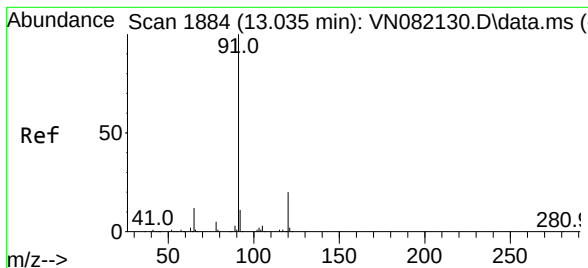
Tgt Ion:106 Resp: 7089
Ion Ratio Lower Upper
106 100
91 220.7 104.7 314.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082234.D
Acq: 21 May 2024 12:40

Tgt Ion:152 Resp: 121971
Ion Ratio Lower Upper
152 100
115 62.0 30.4 91.3
150 161.2 0.0 353.2





#78

n-propylbenzene

Concen: 3.063 ug/l

RT: 13.035 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082234.D

Acq: 21 May 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

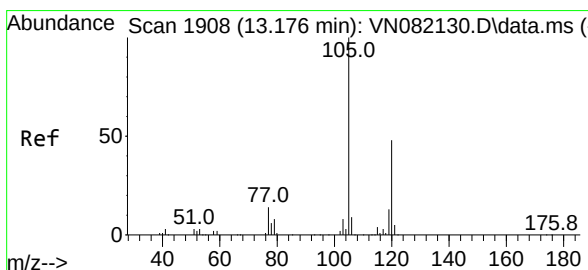
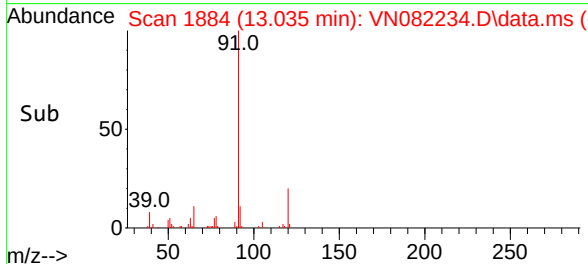
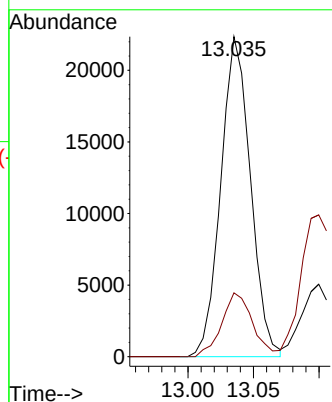
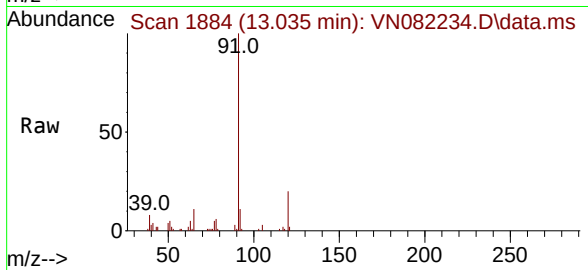
50322DL

Tgt Ion: 91 Resp: 35141

Ion Ratio Lower Upper

91 100

120 20.6 11.7 35.0



#80

1,3,5-Trimethylbenzene

Concen: 4.823 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN082234.D

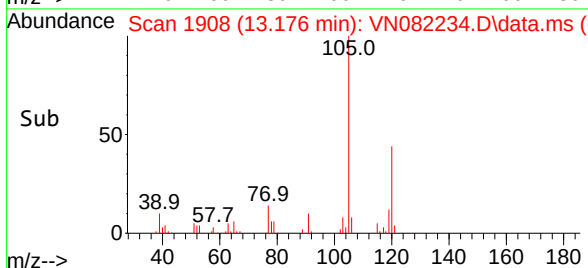
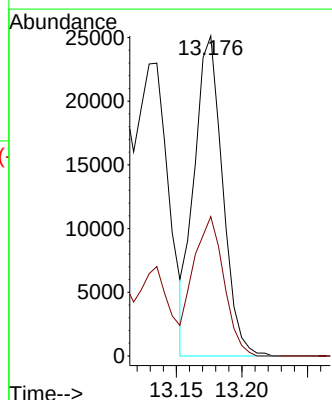
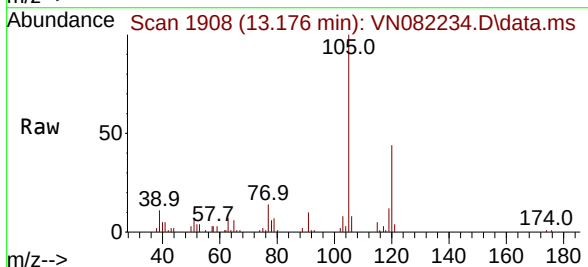
Acq: 21 May 2024 12:40

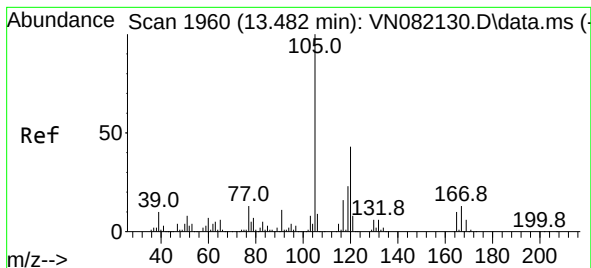
Tgt Ion: 105 Resp: 37791

Ion Ratio Lower Upper

105 100

120 47.0 24.8 74.3





#84

1,2,4-Trimethylbenzene

Concen: 13.678 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN082234.D

Acq: 21 May 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

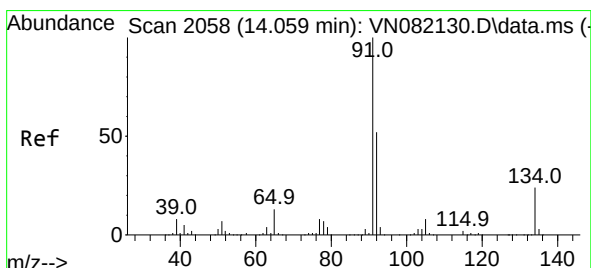
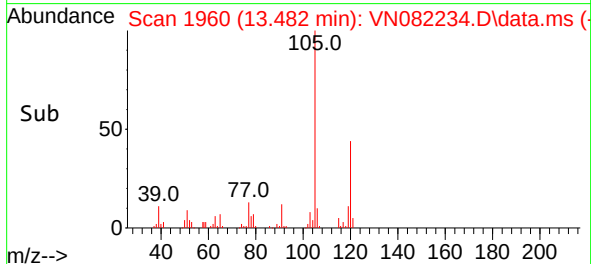
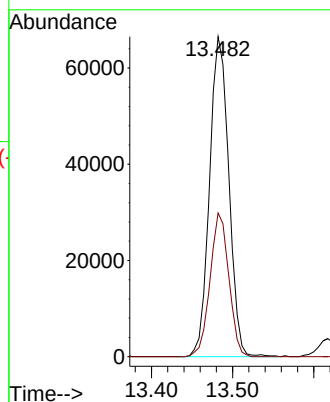
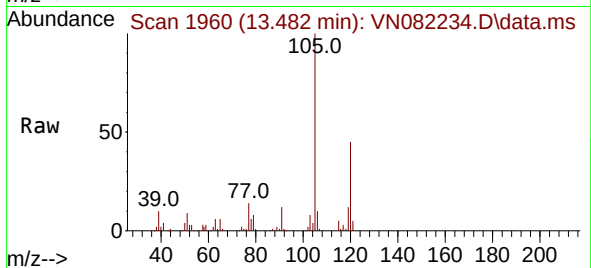
50322DL

Tgt Ion:105 Resp: 109643

Ion Ratio Lower Upper

105 100

120 43.7 22.9 68.7



#89

n-Butylbenzene

Concen: 1.462 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN082234.D

Acq: 21 May 2024 12:40

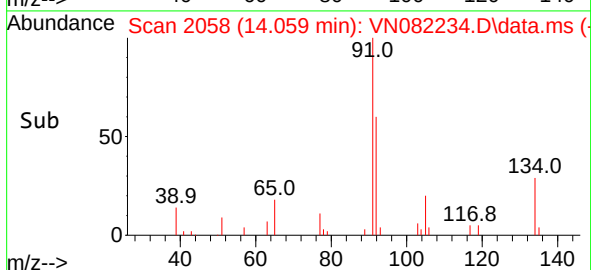
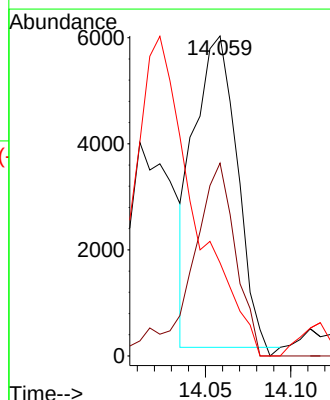
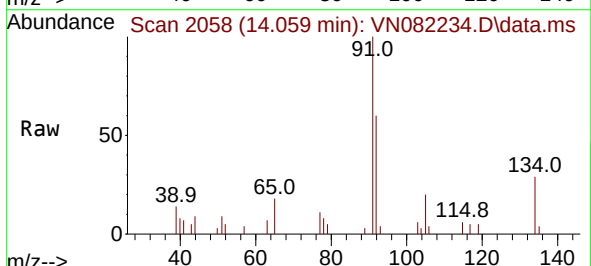
Tgt Ion: 91 Resp: 10147

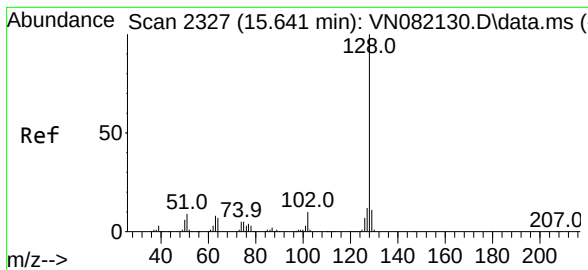
Ion Ratio Lower Upper

91 100

92 62.2 26.2 78.5

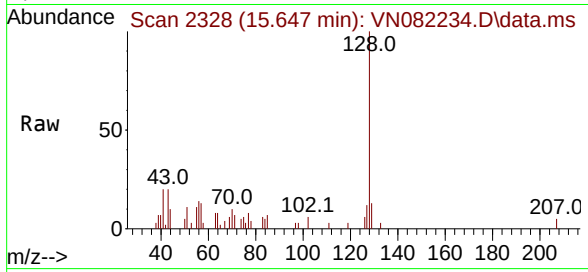
134 0.0 13.2 39.5#





#95
 Naphthalene
 Concen: 2.005 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082234.D
 Acq: 21 May 2024 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 50322DL



Tgt Ion:	128	Resp:	13949
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	9.1	8.9	13.3

