

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082223.D
 Acq On : 20 May 2024 20:36
 Operator : JC\MD
 Sample : P2541-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50322

Quant Time: May 21 03:54:35 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)

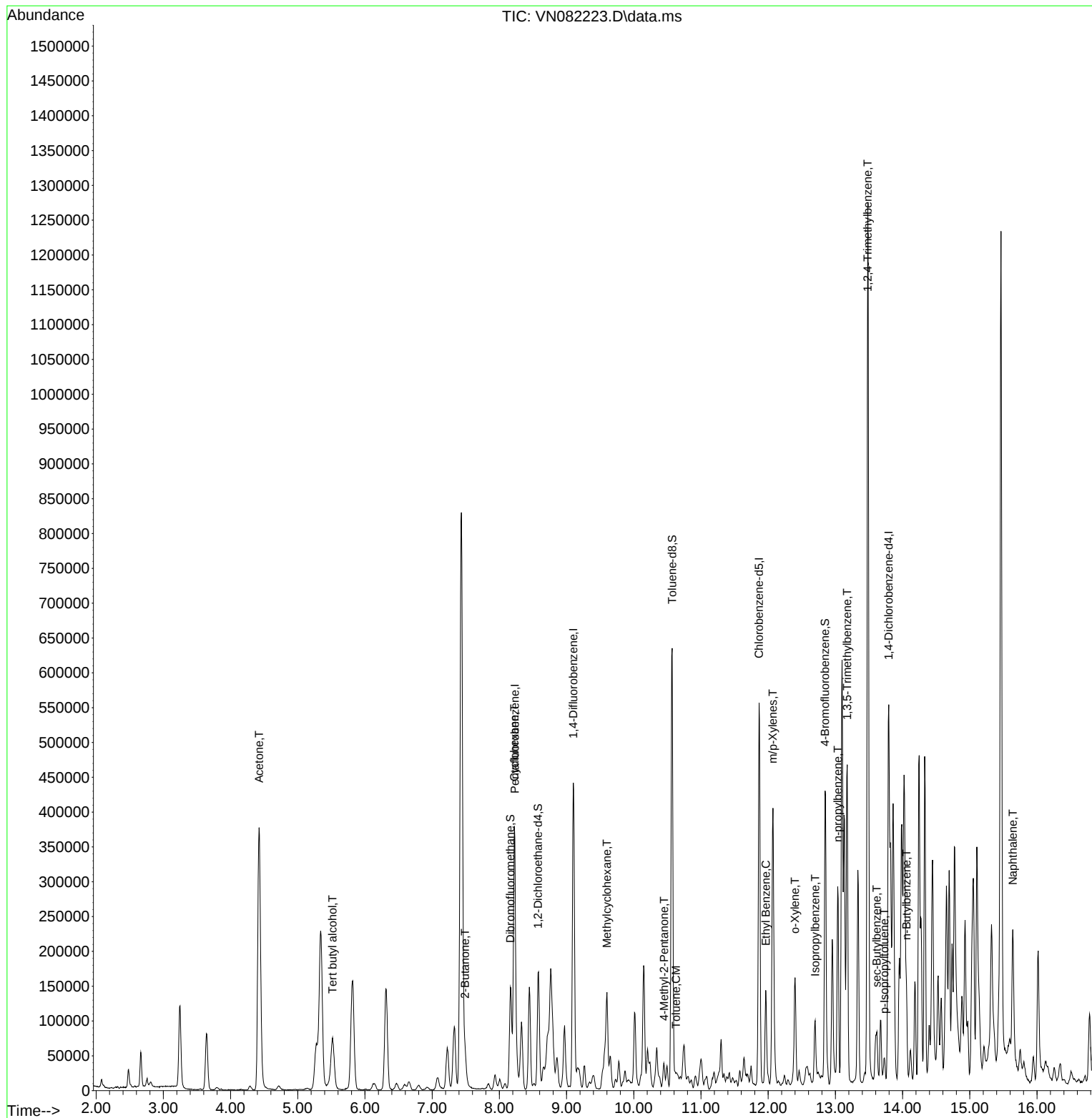
Internal Standards						
1) Pentafluorobenzene	8.230	168	173147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140189	51.275	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.560%		
35) Dibromofluoromethane	8.165	113	97829	52.117	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.240%		
50) Toluene-d8	10.571	98	389065	54.061	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 108.120%		
62) 4-Bromofluorobenzene	12.847	95	134229	52.256	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 104.520%		
Target Compounds						
11) Tert butyl alcohol	5.518	59	125649	286.299	ug/l	Qvalue 97
16) Acetone	4.424	43	716376	638.738	ug/l	91
25) 2-Butanone	7.488	43	73324	43.120	ug/l #	87
31) Cyclohexane	8.224	56	38013	8.705	ug/l #	56
39) Methylcyclohexane	9.600	83	43685	12.659	ug/l #	79
51) 4-Methyl-2-Pentanone	10.453	43	13841	3.902	ug/l	92
52) Toluene	10.629	92	5075	0.901	ug/l	87
67) Ethyl Benzene	11.965	91	79939	7.122	ug/l	96
68) m/p-Xylenes	12.071	106	113563	27.606	ug/l	93
69) o-Xylene	12.400	106	37245	9.347	ug/l	86
73) Isopropylbenzene	12.700	105	54025	5.051	ug/l	98
78) n-propylbenzene	13.035	91	217022	17.135	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	228133	26.378	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	687175	77.662	ug/l	97
85) sec-Butylbenzene	13.617	105	33166	3.162	ug/l #	59
86) p-Isopropyltoluene	13.729	119	18152	2.130	ug/l	99
89) n-Butylbenzene	14.059	91	69234	9.037	ug/l #	80
95) Naphthalene	15.641	128	77111	10.042	ug/l #	96

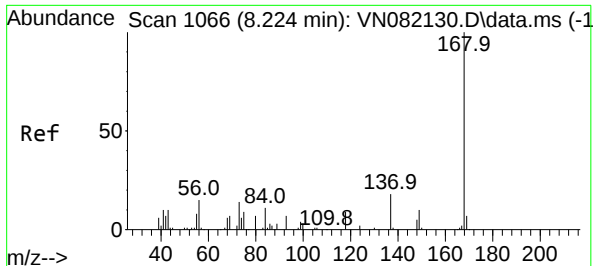
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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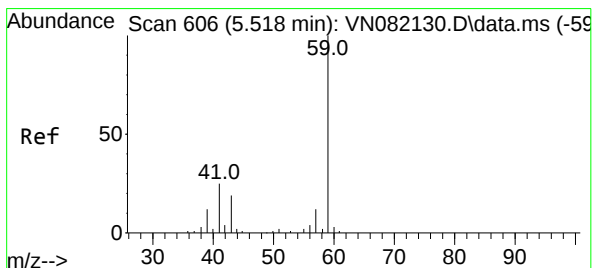
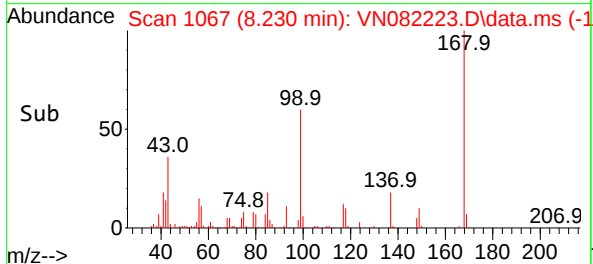
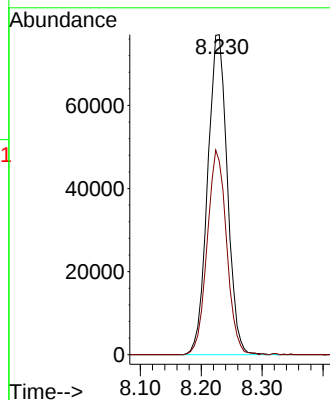
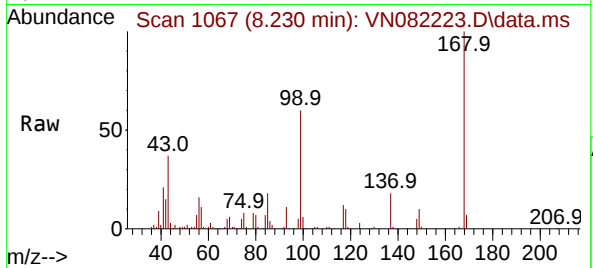




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

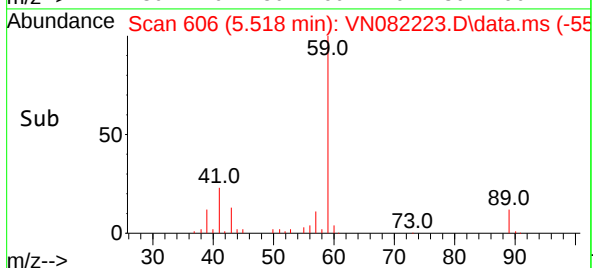
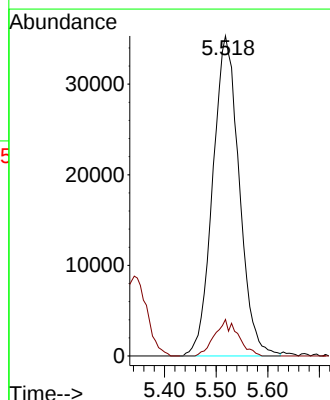
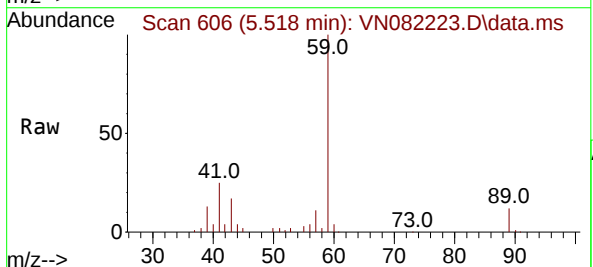
Instrument :
MSVOA_N
ClientSampleId :
50322

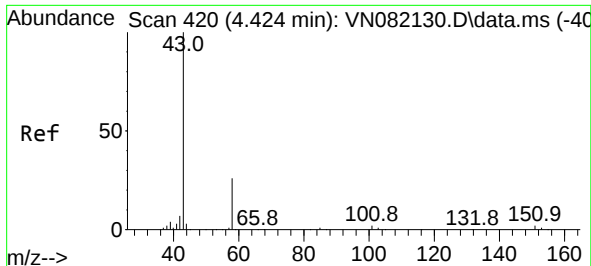
Tgt Ion:168 Resp: 173147
Ion Ratio Lower Upper
168 100
99 60.5 48.2 72.4



#11
Tert butyl alcohol
Concen: 286.299 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion: 59 Resp: 125649
Ion Ratio Lower Upper
59 100
57 10.1 8.9 13.3

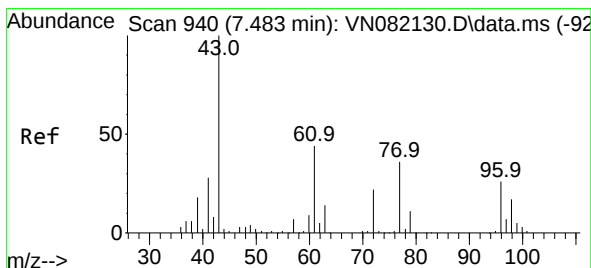
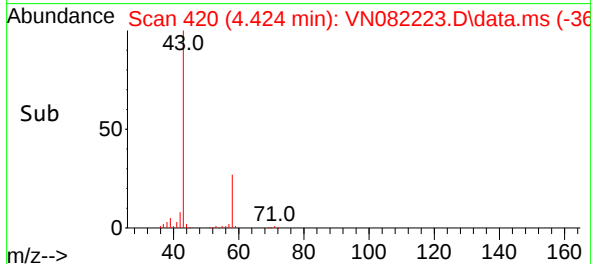
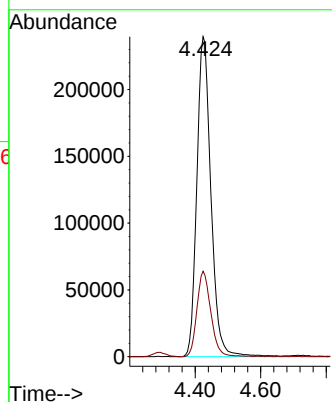
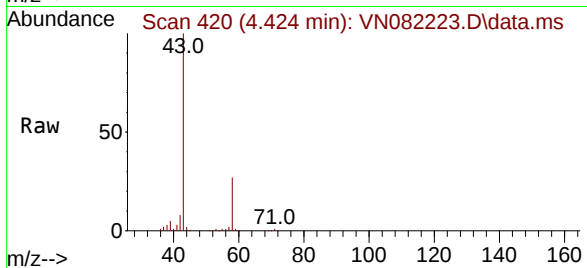




#16
Acetone
Concen: 638.738 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

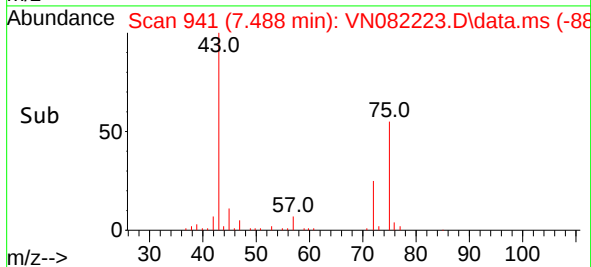
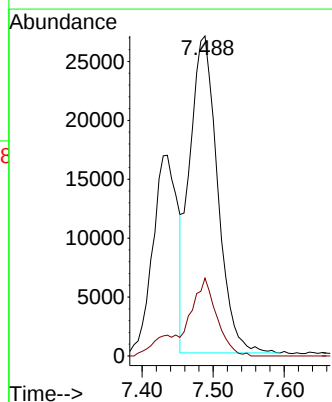
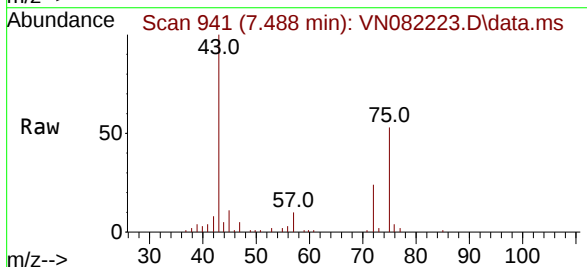
Instrument :
MSVOA_N
ClientSampleId :
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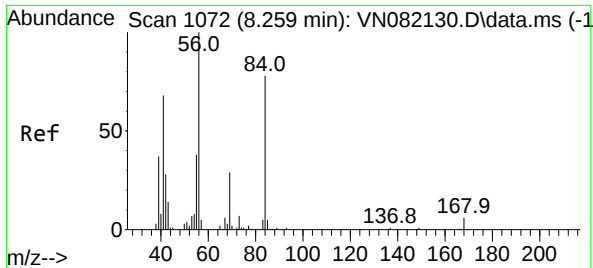
Tgt Ion: 43 Resp: 716376
Ion Ratio Lower Upper
43 100
58 26.7 25.2 37.8



#25
2-Butanone
Concen: 43.120 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion: 43 Resp: 73324
Ion Ratio Lower Upper
43 100
72 24.5 25.3 37.9#

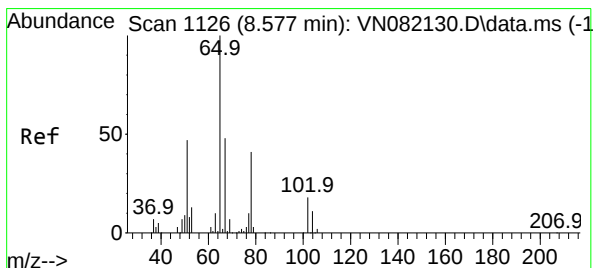
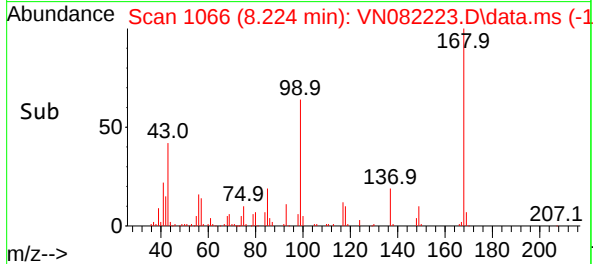
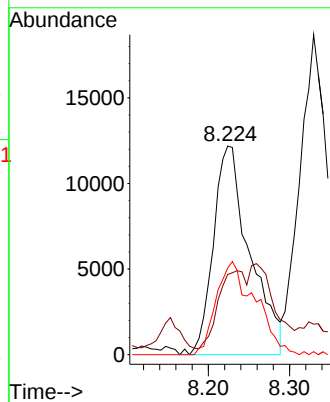
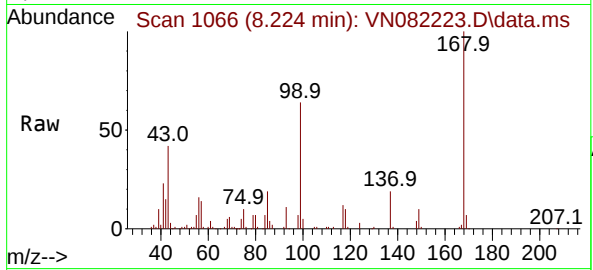




#31
Cyclohexane
Concen: 8.705 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

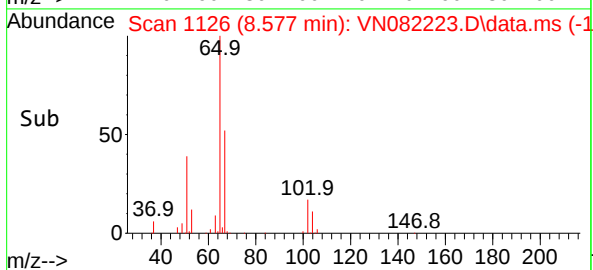
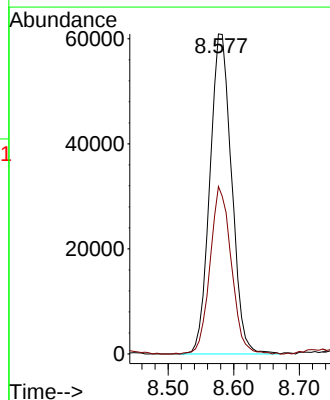
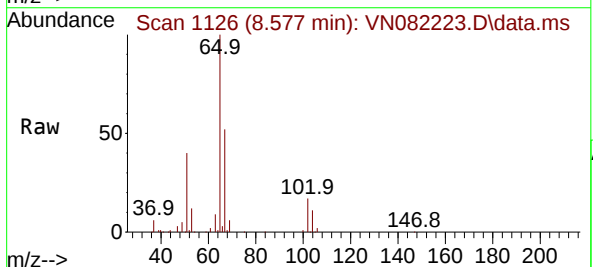
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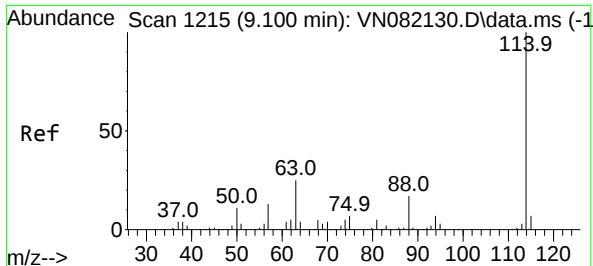
Tgt Ion: 56 Resp: 38013
Ion Ratio Lower Upper
56 100
69 27.1 24.4 36.6
84 41.5 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 51.275 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion: 65 Resp: 140189
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0

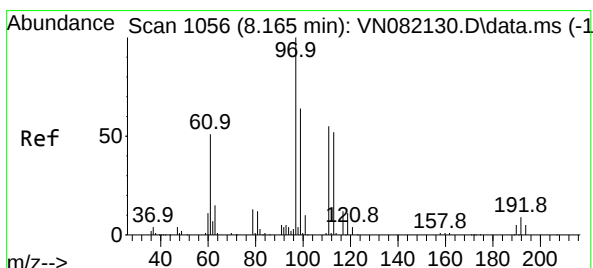
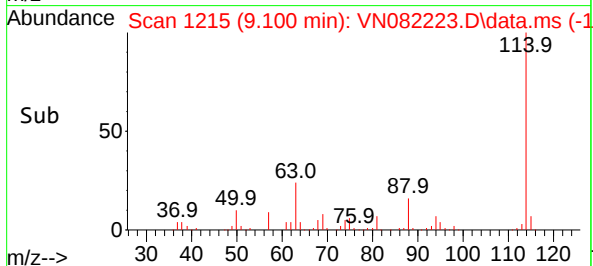
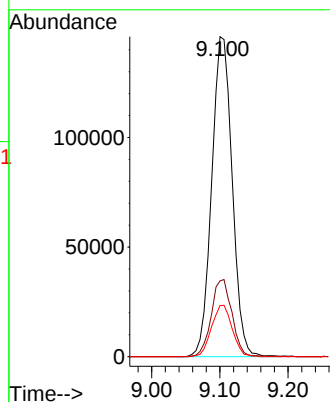
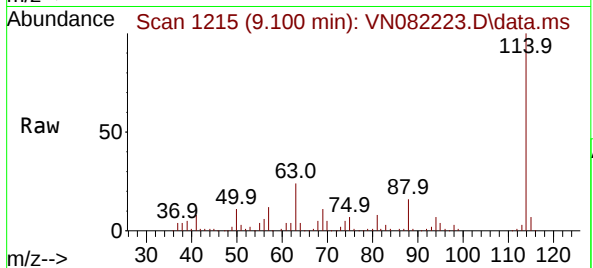




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

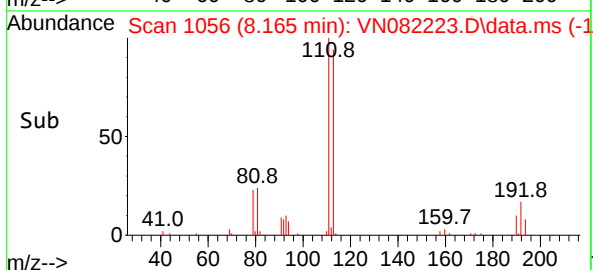
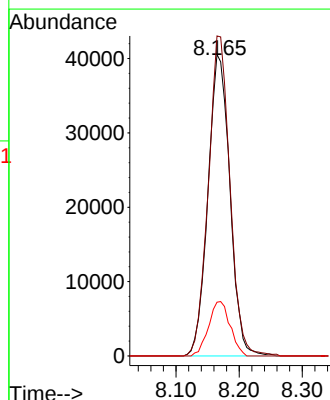
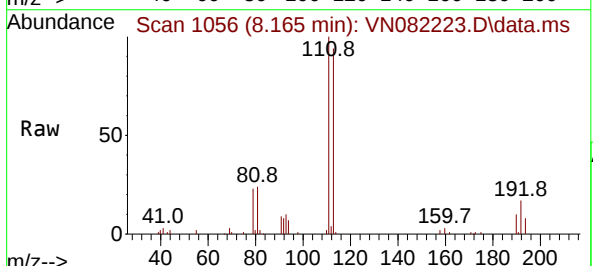
Instrument :
MSVOA_N
ClientSampleId :
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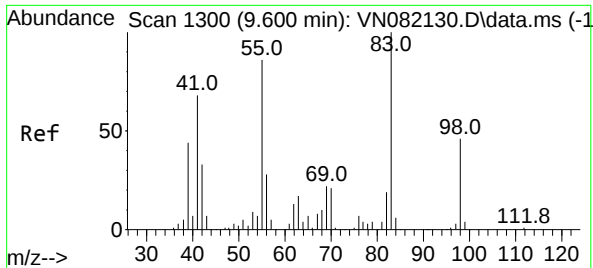
Tgt Ion:114 Resp: 305146
Ion Ratio Lower Upper
114 100
63 23.7 0.0 41.0
88 16.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.117 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion:113 Resp: 97829
Ion Ratio Lower Upper
113 100
111 104.8 83.4 125.2
192 17.7 14.0 21.0





#39

Methylcyclohexane

Concen: 12.659 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082223.D

Acq: 20 May 2024 20:36

Instrument :

MSVOA_N

ClientSampleId :

50322

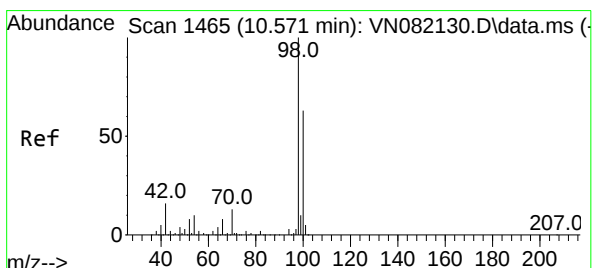
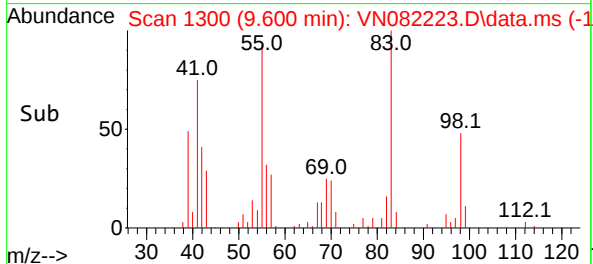
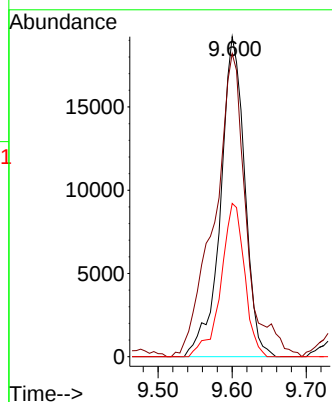
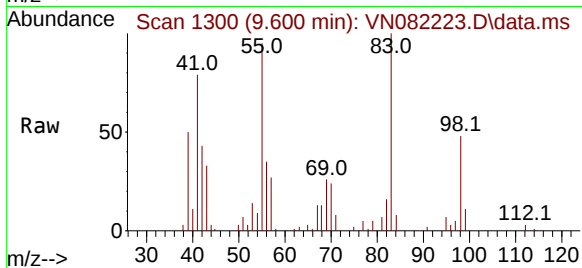
Tgt Ion: 83 Resp: 43685

Ion Ratio Lower Upper

83 100

55 93.6 53.0 79.6#

98 47.9 37.1 55.7



#50

Toluene-d8

Concen: 54.061 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082223.D

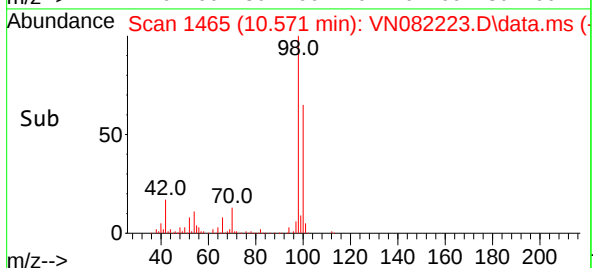
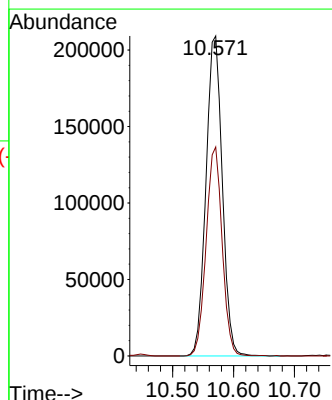
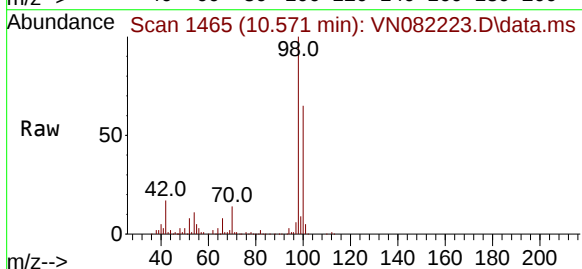
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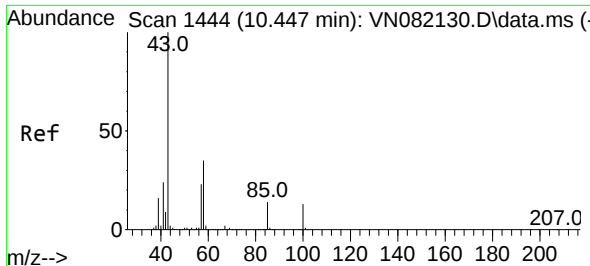
Tgt Ion: 98 Resp: 389065

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6

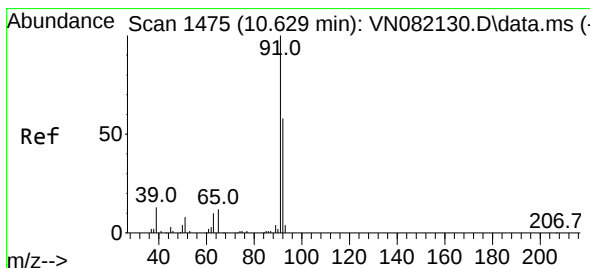
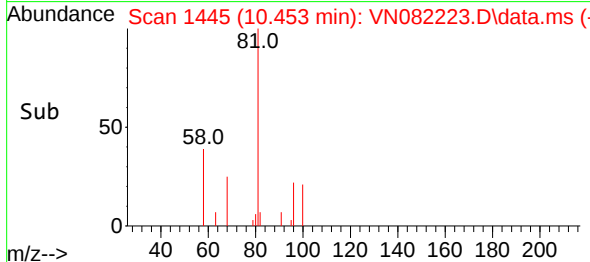
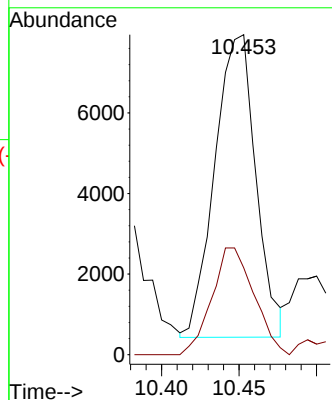
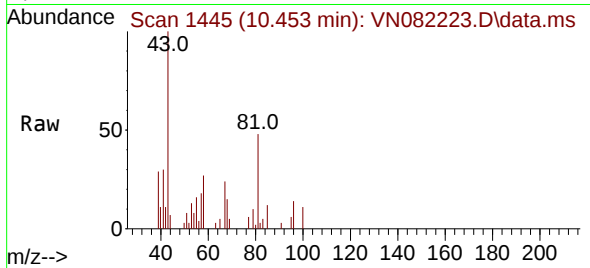




#51
4-Methyl-2-Pentanone
Concen: 3.902 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

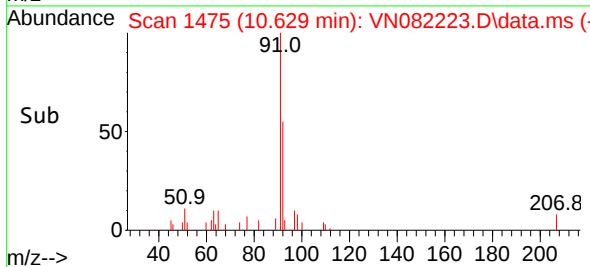
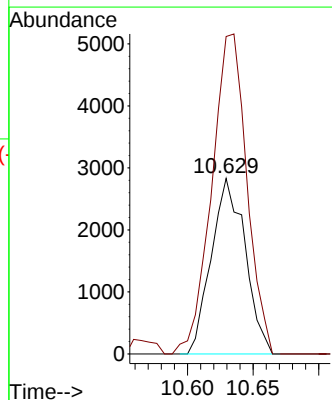
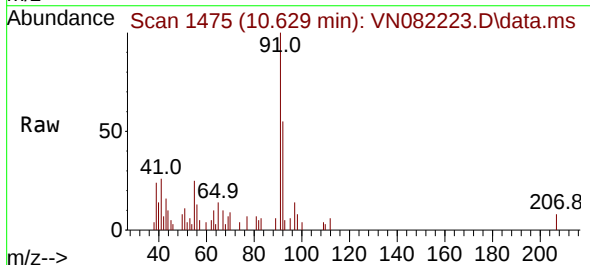
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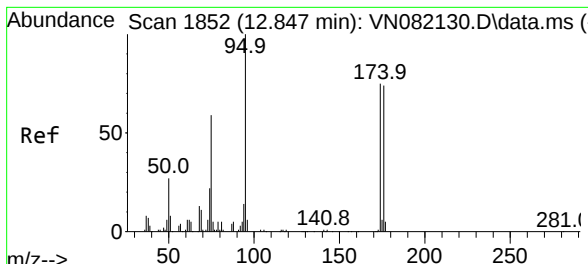
Tgt Ion: 43 Resp: 13841
Ion Ratio Lower Upper
43 100
58 36.2 33.2 49.8



#52
Toluene
Concen: 0.901 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion: 92 Resp: 5075
Ion Ratio Lower Upper
92 100
91 189.4 136.7 205.1

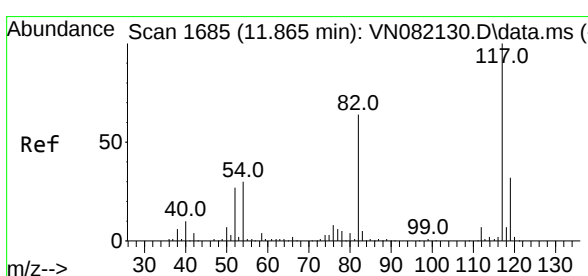
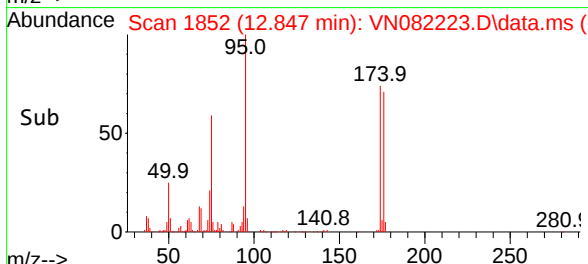
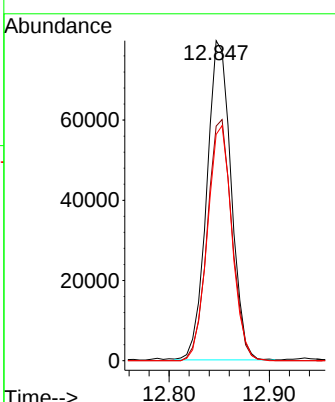
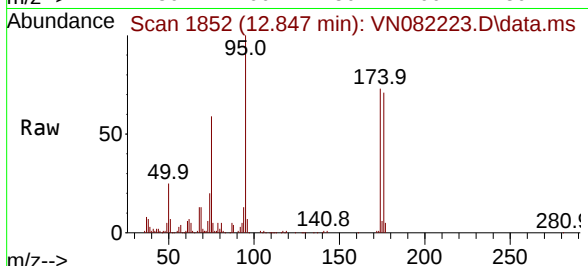




#62
 4-Bromofluorobenzene
 Concen: 52.256 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN082223.D
 Acq: 20 May 2024 20:36

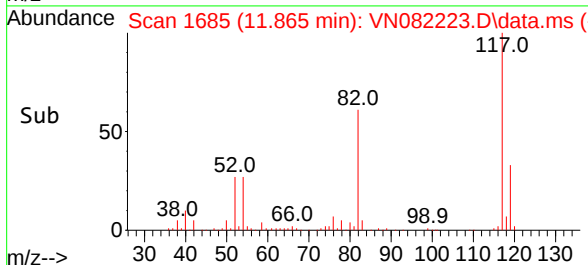
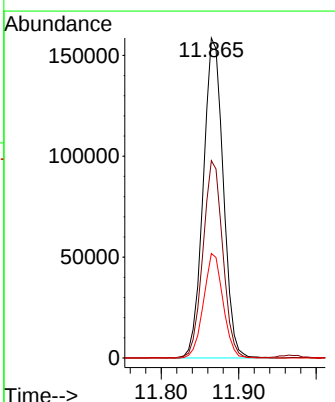
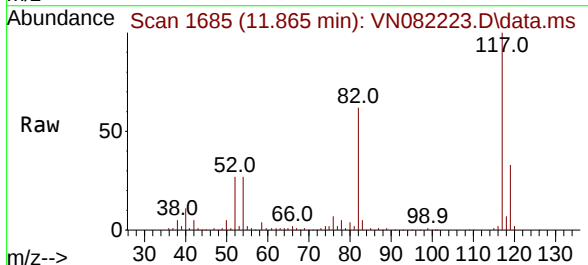
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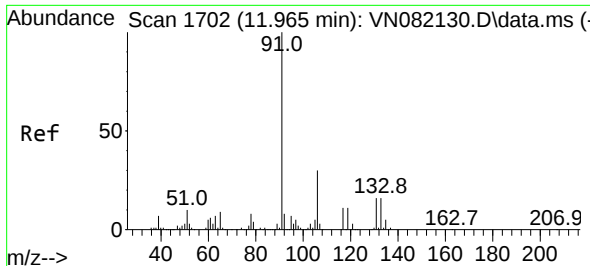
Tgt Ion:	95	Resp:	134229
Ion Ratio	Lower	Upper	
95	100		
174	76.2	0.0	160.6
176	74.0	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN082223.D
 Acq: 20 May 2024 20:36

Tgt Ion:	117	Resp:	284022
Ion Ratio	Lower	Upper	
117	100		
82	61.6	44.6	66.8
119	32.6	25.9	38.9

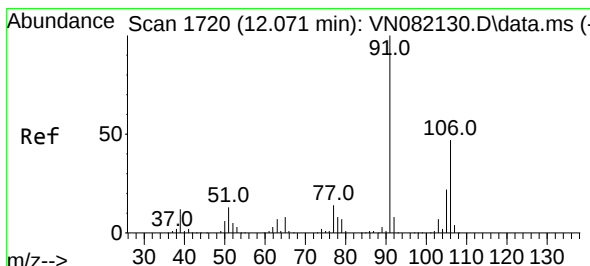
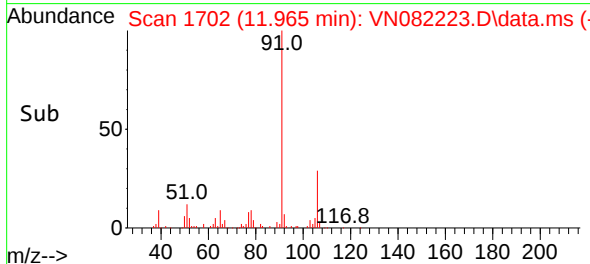
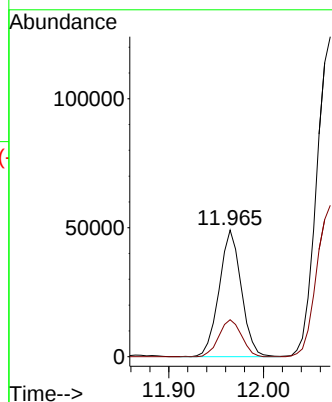
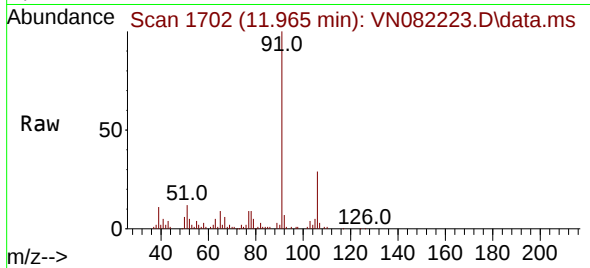




#67
Ethyl Benzene
Concen: 7.122 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

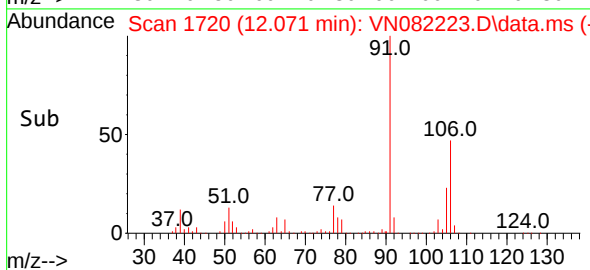
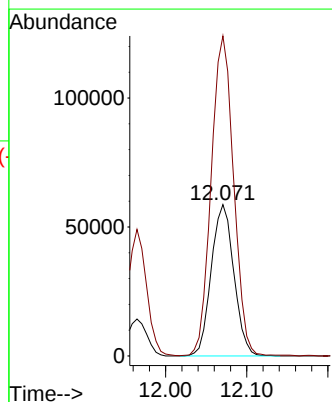
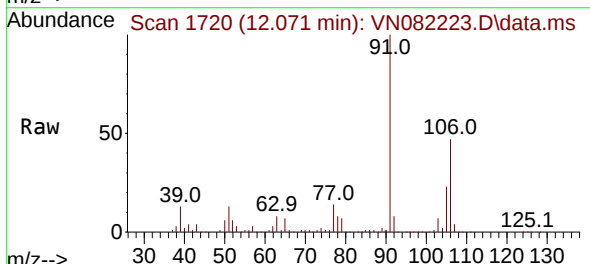
Instrument :
MSVOA_N
ClientSampleId :
50322

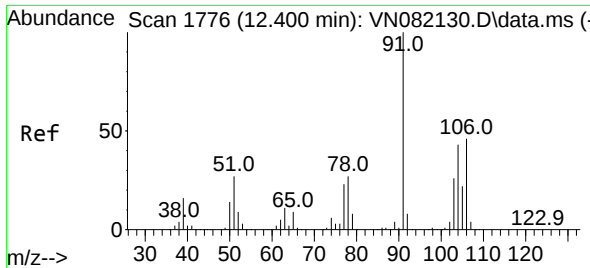
Tgt Ion: 91 Resp: 79939
Ion Ratio Lower Upper
91 100
106 29.3 25.3 37.9



#68
m/p-Xylenes
Concen: 27.606 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion:106 Resp: 113563
Ion Ratio Lower Upper
106 100
91 210.0 159.4 239.0

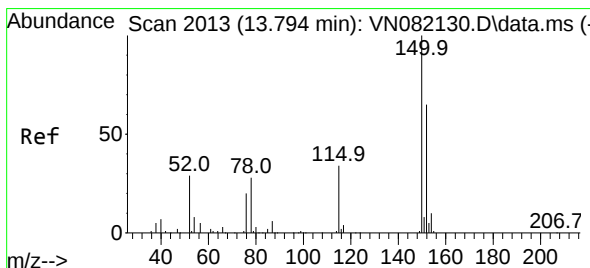
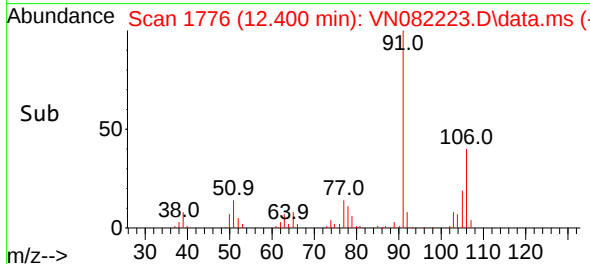
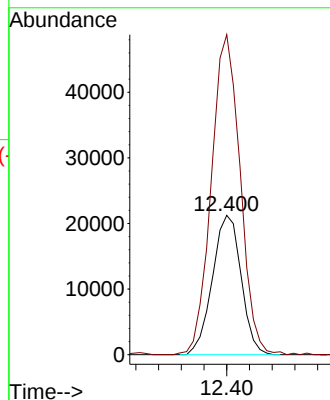
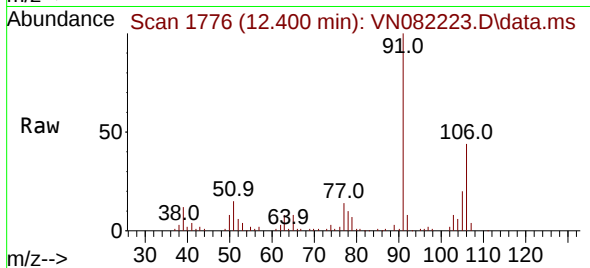




#69
o-Xylene
Concen: 9.347 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

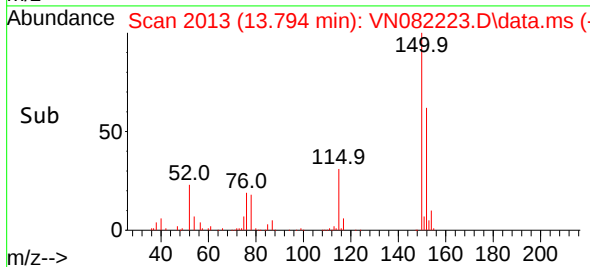
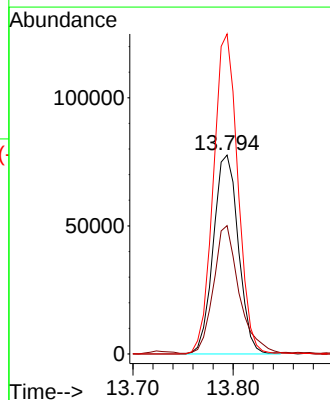
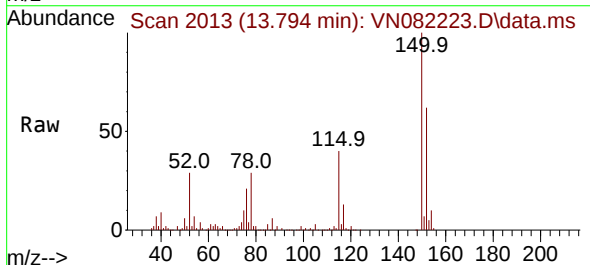
Instrument :
MSVOA_N
ClientSampleId :
50322

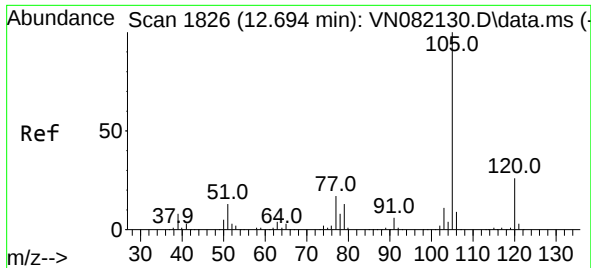
Tgt Ion:106 Resp: 37245
Ion Ratio Lower Upper
106 100
91 231.3 104.7 314.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion:152 Resp: 134634
Ion Ratio Lower Upper
152 100
115 65.8 30.4 91.3
150 157.3 0.0 353.2

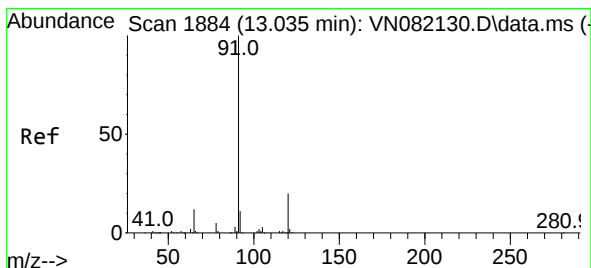
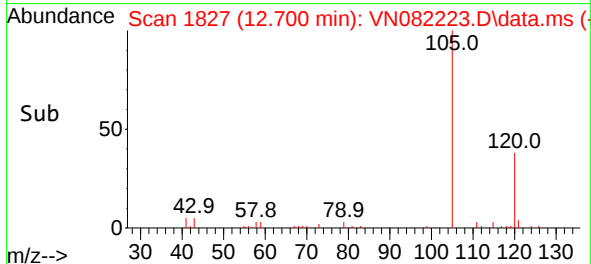
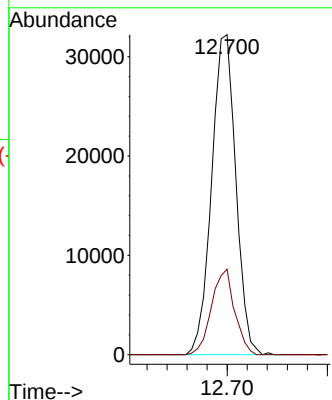
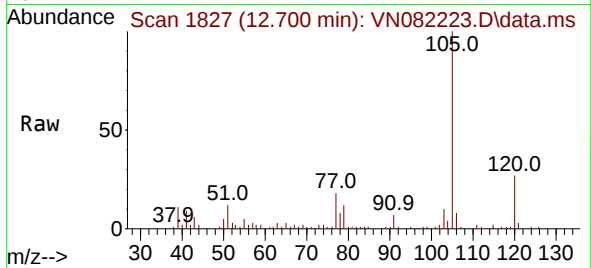




#73
Isopropylbenzene
Concen: 5.051 ug/l
RT: 12.700 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

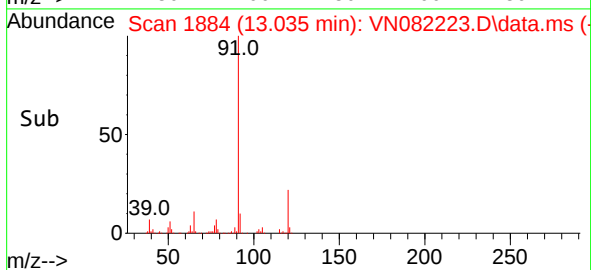
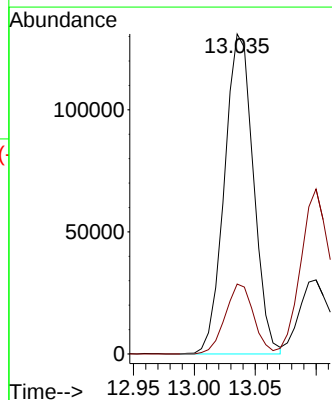
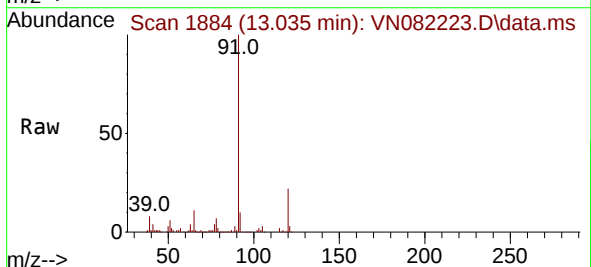
Instrument :
MSVOA_N
ClientSampleId :
50322

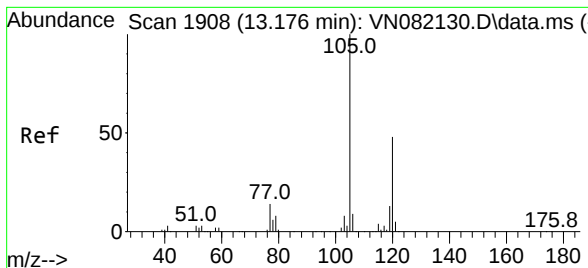
Tgt Ion:105 Resp: 54025
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1



#78
n-propylbenzene
Concen: 17.135 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion: 91 Resp: 217022
Ion Ratio Lower Upper
91 100
120 21.4 11.7 35.0

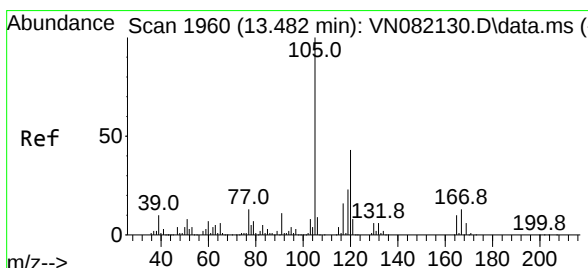
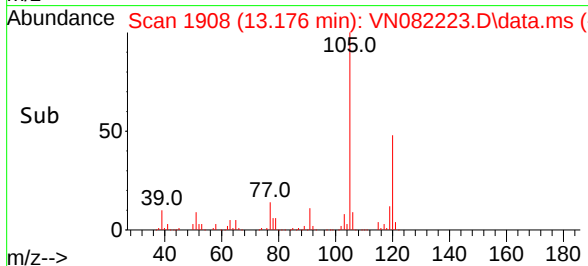
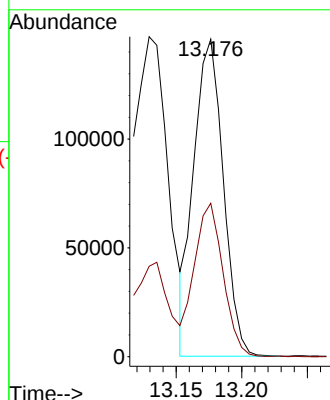
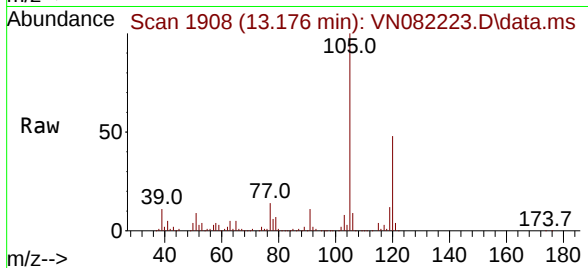




#80
 1,3,5-Trimethylbenzene
 Concen: 26.378 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VN082223.D
 Acq: 20 May 2024 20:36

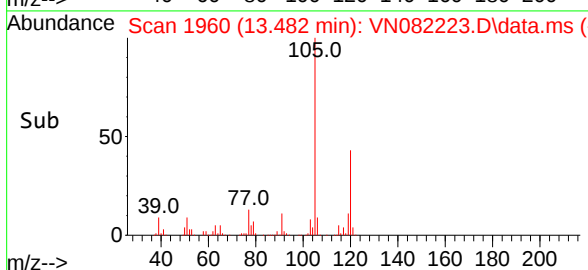
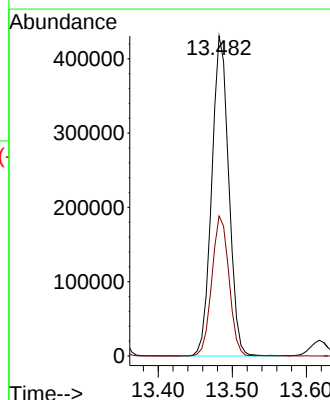
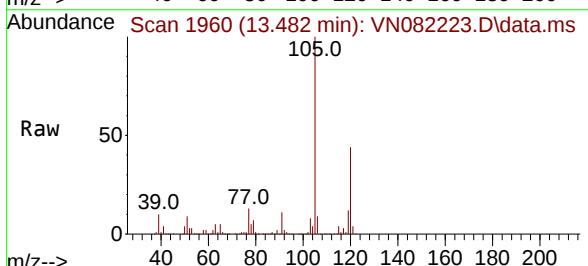
Instrument :
 MSVOA_N
 ClientSampleId :
 50322

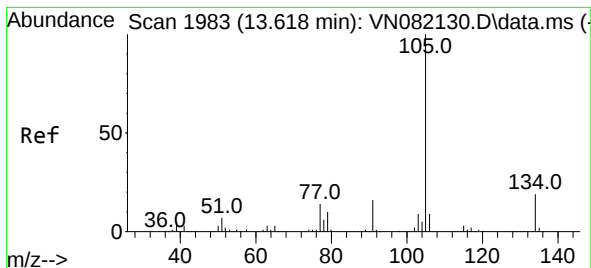
Tgt Ion:105 Resp: 228133
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.8 74.3



#84
 1,2,4-Trimethylbenzene
 Concen: 77.662 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN082223.D
 Acq: 20 May 2024 20:36

Tgt Ion:105 Resp: 687175
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 3.162 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN082223.D

Acq: 20 May 2024 20:36

Instrument :

MSVOA_N

ClientSampleId :

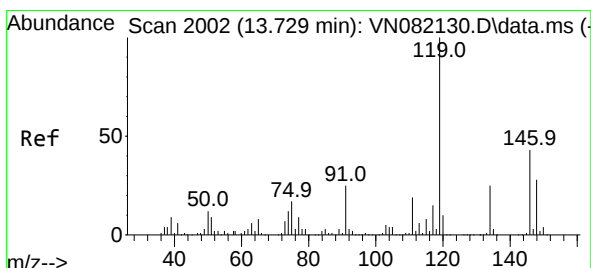
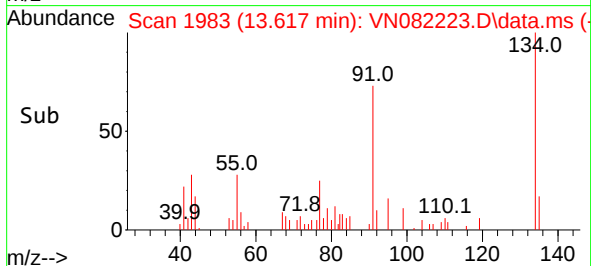
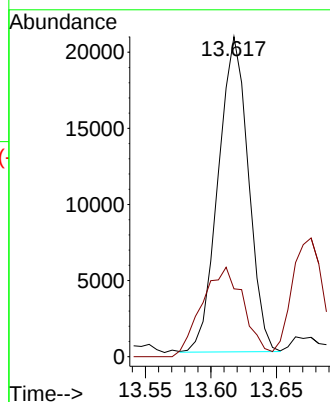
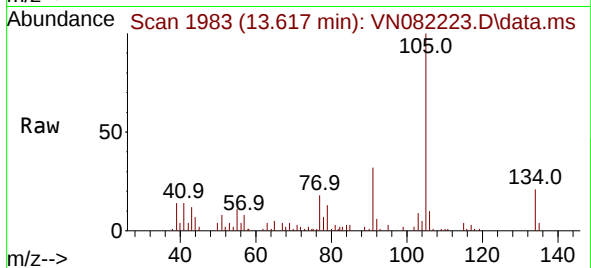
50322

Tgt Ion:105 Resp: 33166

Ion Ratio Lower Upper

105 100

134 39.3 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 2.130 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN082223.D

Acq: 20 May 2024 20:36

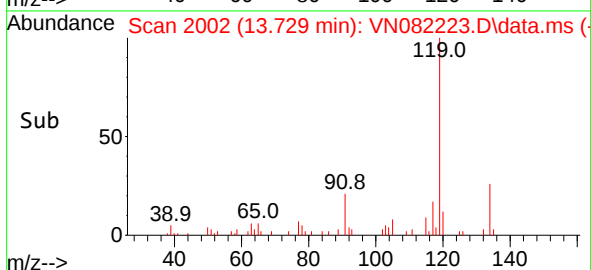
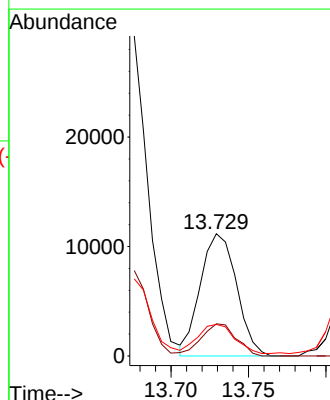
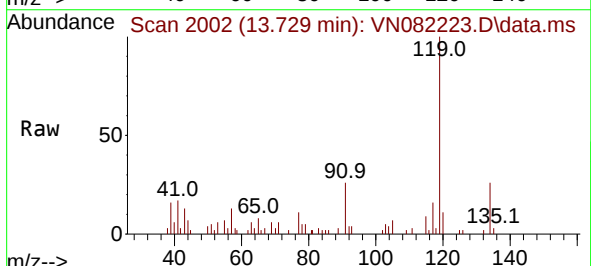
Tgt Ion:119 Resp: 18152

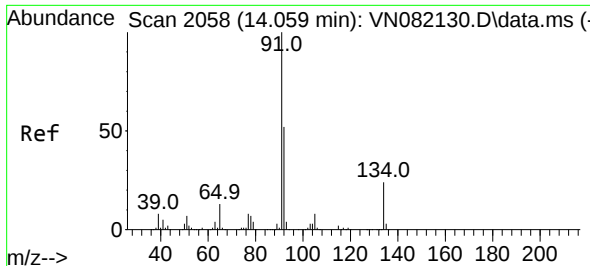
Ion Ratio Lower Upper

119 100

134 25.0 13.2 39.5

91 23.6 11.8 35.3

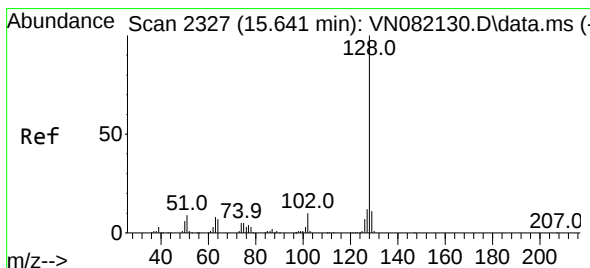
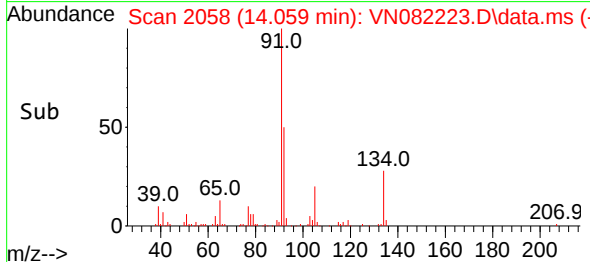
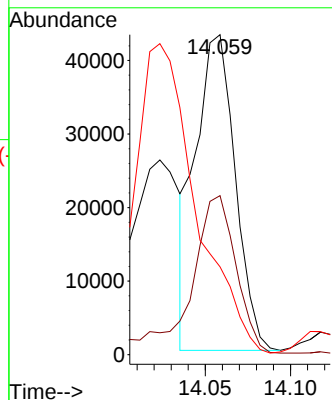
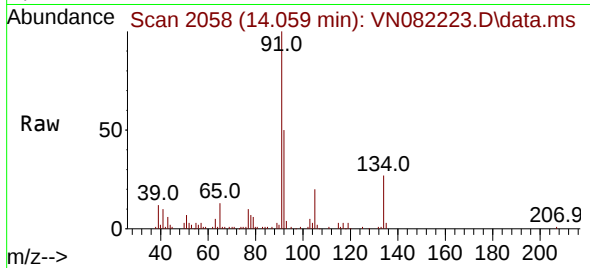




#89
n-Butylbenzene
Concen: 9.037 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Instrument :
MSVOA_N
ClientSampleId :
50322

Tgt Ion: 91 Resp: 69234
Ion Ratio Lower Upper
91 100
92 54.9 26.2 78.5
134 0.0 13.2 39.5#



#95
Naphthalene
Concen: 10.042 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082223.D
Acq: 20 May 2024 20:36

Tgt Ion: 128 Resp: 77111
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 13.5 8.9 13.3#

