

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022924\
 Data File : VN081269.D
 Acq On : 29 Feb 2024 15:14
 Operator : JC\MD
 Sample : P1587-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1823-A

Quant Time: Feb 29 23:52:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

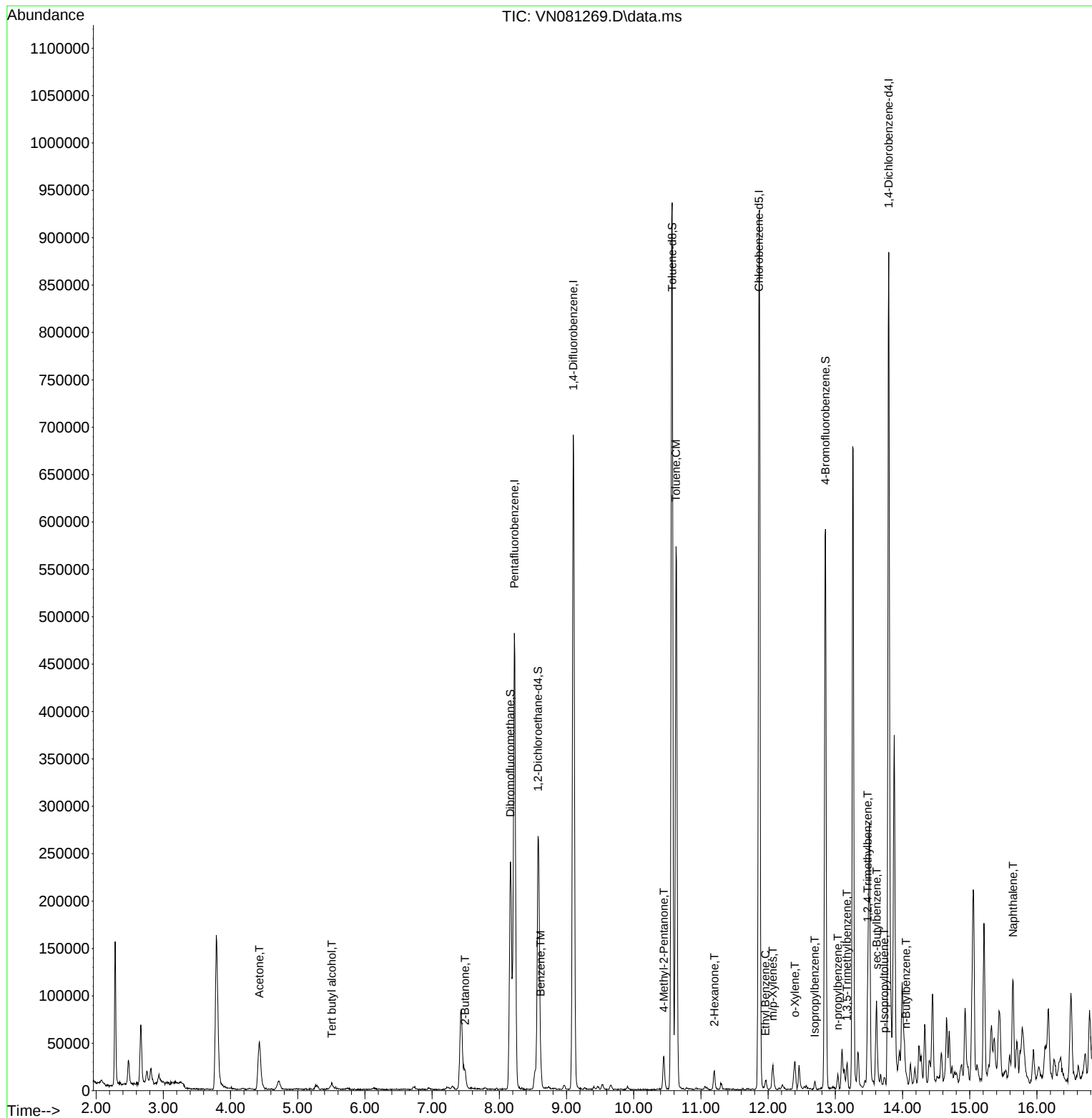
Internal Standards						
1) Pentafluorobenzene	8.224	168	320649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	594362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	515536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	213936	54.433	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.860%			
35) Dibromofluoromethane	8.165	113	171458	51.015	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	10.571	98	652412	54.654	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.300%			
62) 4-Bromofluorobenzene	12.853	95	208955	46.585	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.180%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	6644	9.192	ug/l #	74
16) Acetone	4.430	43	96164	62.183	ug/l	99
25) 2-Butanone	7.489	43	33321	13.337	ug/l #	86
40) Benzene	8.612	78	24283	1.457	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	23897	4.571	ug/l	88
52) Toluene	10.630	92	252858	23.965	ug/l	100
59) 2-Hexanone	11.200	43	12040	2.905	ug/l	99
67) Ethyl Benzene	11.959	91	5946	0.298	ug/l #	87
68) m/p-Xylenes	12.071	106	7682	1.004	ug/l	98
69) o-Xylene	12.400	106	6098	0.804	ug/l	86
73) Isopropylbenzene	12.694	105	4847	0.253	ug/l	91
78) n-propylbenzene	13.035	91	11020	0.500	ug/l	95
80) 1,3,5-Trimethylbenzene	13.171	105	12432	0.801	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	64289	4.156	ug/l	97
85) sec-Butylbenzene	13.618	105	9225	0.494	ug/l #	62
86) p-Isopropyltoluene	13.729	119	5545	0.358	ug/l	92
89) n-Butylbenzene	14.053	91	5979	0.443	ug/l #	77
95) Naphthalene	15.647	128	99668	6.266	ug/l	100

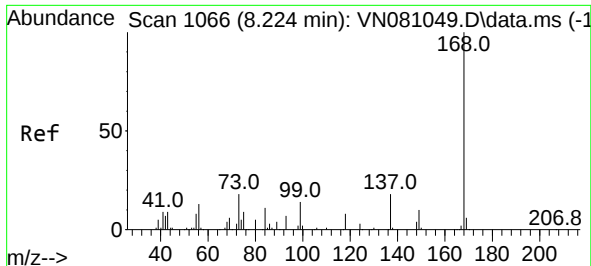
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022924\
Data File : VN081269.D
Acq On : 29 Feb 2024 15:14
Operator : JC\MD
Sample : P1587-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1823-A

Quant Time: Feb 29 23:52:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

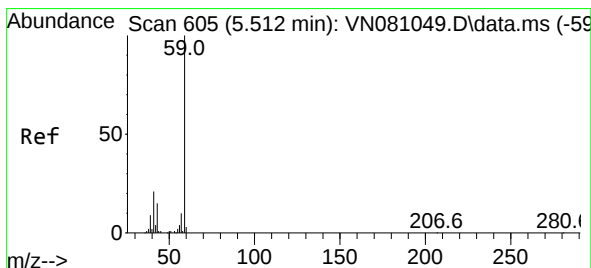
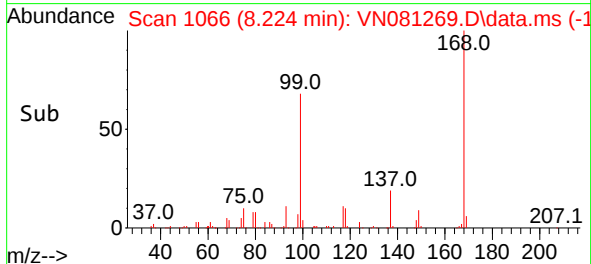
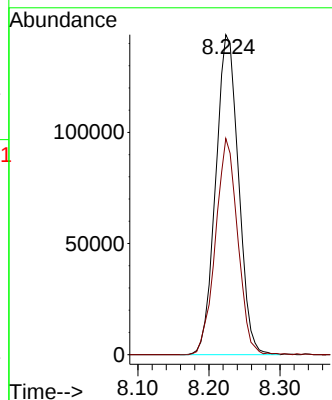
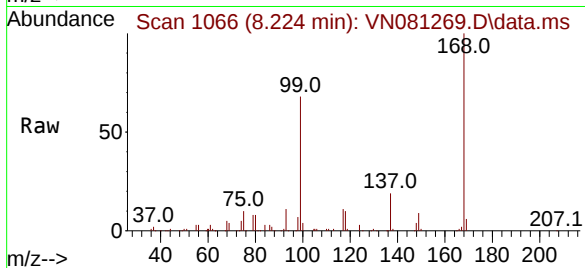




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

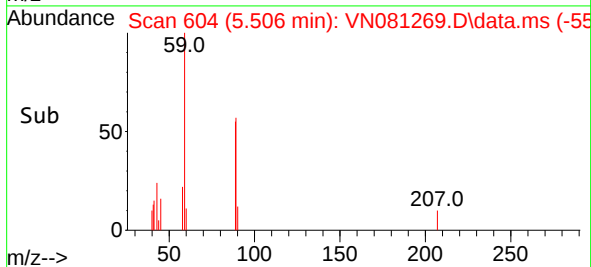
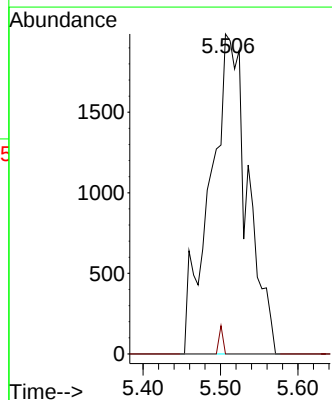
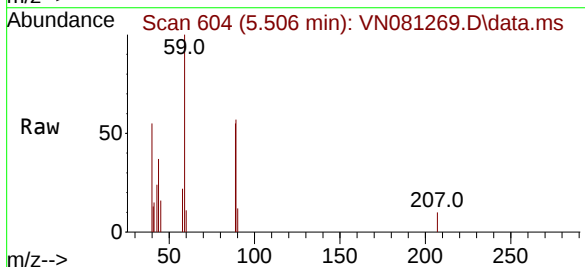
Instrument :
MSVOA_N
ClientSampleId :
1823-A

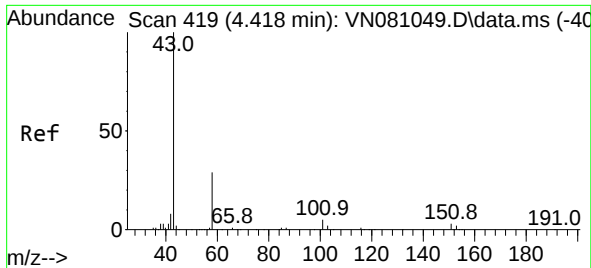
Tgt Ion:168 Resp: 320649
Ion Ratio Lower Upper
168 100
99 67.5 59.9 89.9



#11
Tert butyl alcohol
Concen: 9.192 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion: 59 Resp: 6644
Ion Ratio Lower Upper
59 100
57 0.9 8.6 12.8#





#16

Acetone

Concen: 62.183 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081269.D

Acq: 29 Feb 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

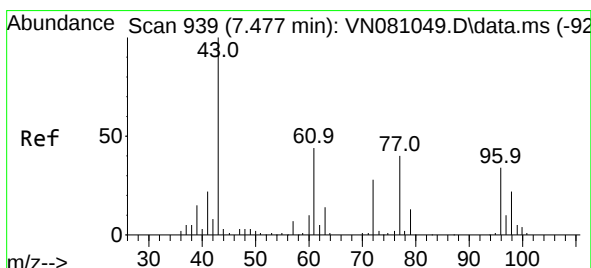
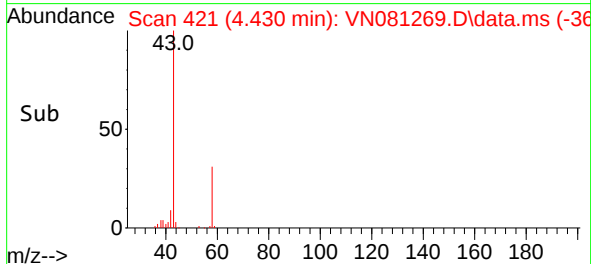
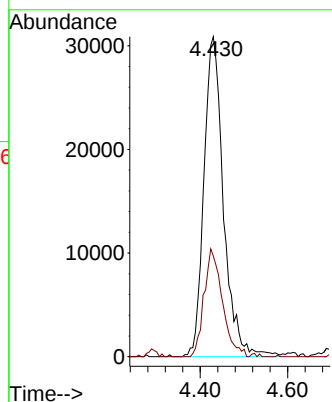
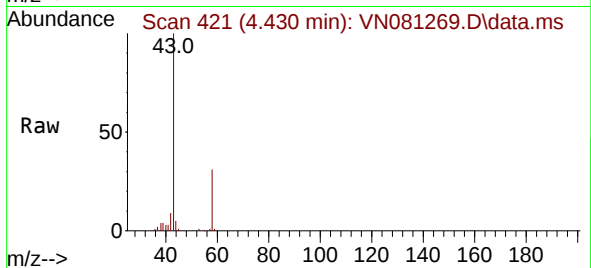
1823-A

Tgt Ion: 43 Resp: 96164

Ion Ratio Lower Upper

43 100

58 31.4 24.8 37.2



#25

2-Butanone

Concen: 13.337 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN081269.D

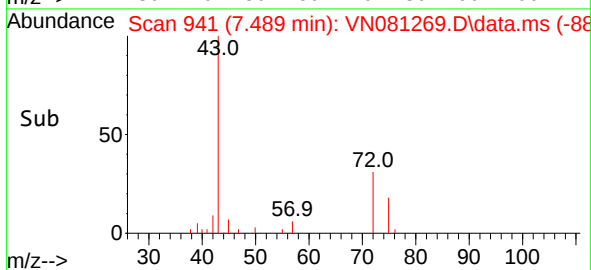
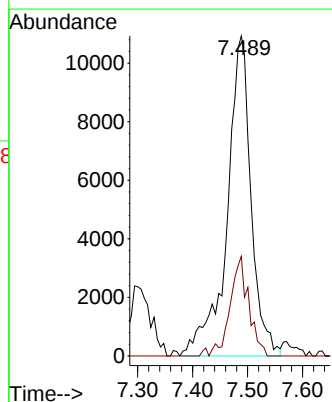
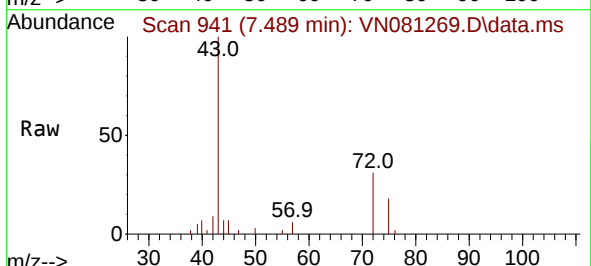
Acq: 29 Feb 2024 15:14

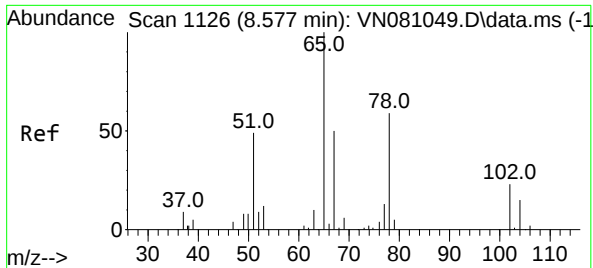
Tgt Ion: 43 Resp: 33321

Ion Ratio Lower Upper

43 100

72 31.2 19.5 29.3#





#33

1,2-Dichloroethane-d4

Concen: 54.433 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081269.D

Acq: 29 Feb 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

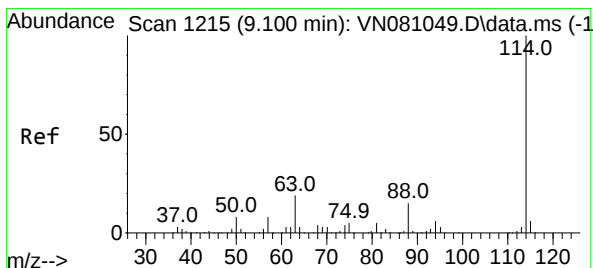
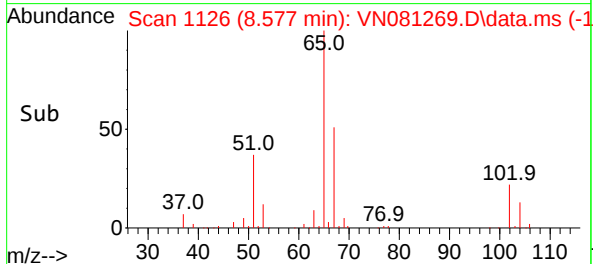
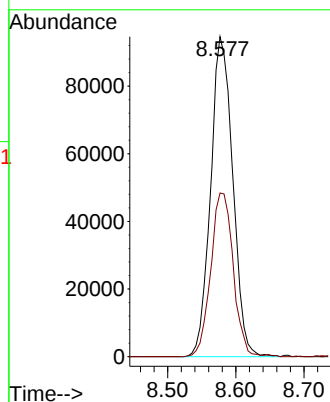
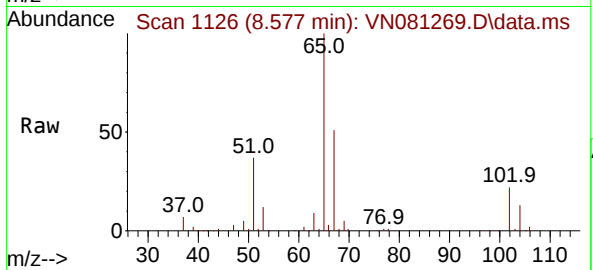
1823-A

Tgt Ion: 65 Resp: 213936

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081269.D

Acq: 29 Feb 2024 15:14

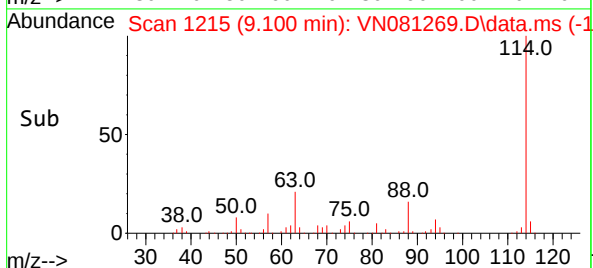
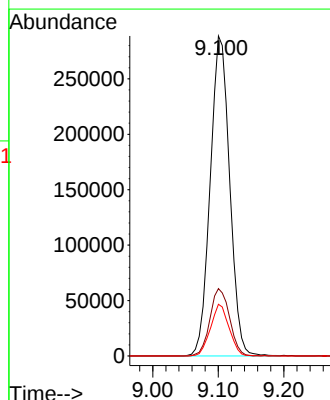
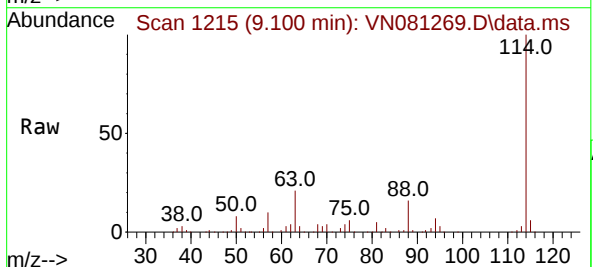
Tgt Ion: 114 Resp: 594362

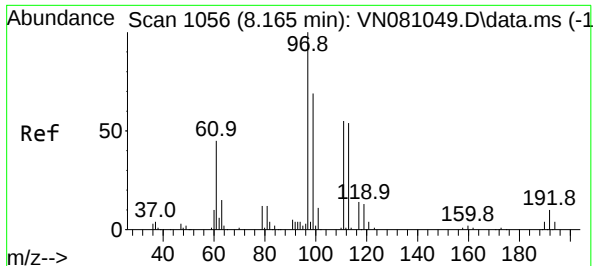
Ion Ratio Lower Upper

114 100

63 21.1 0.0 48.0

88 16.2 0.0 34.8

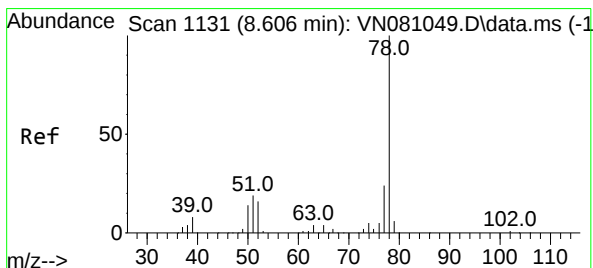
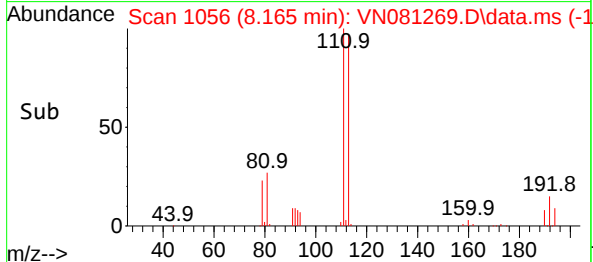
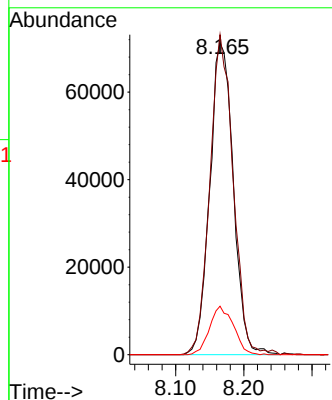
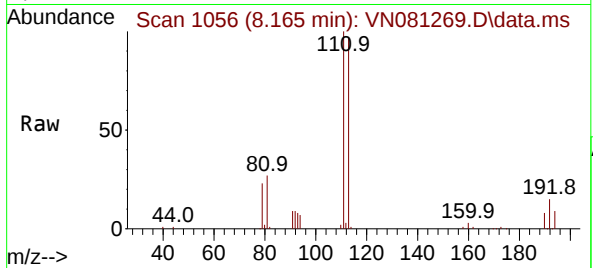




#35
Dibromofluoromethane
Concen: 51.015 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

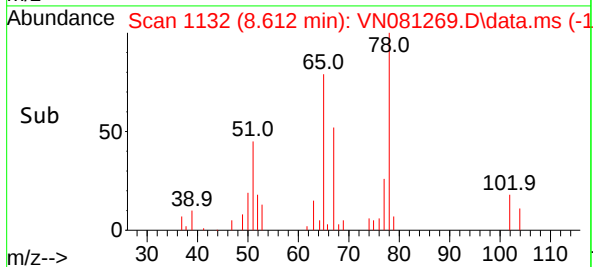
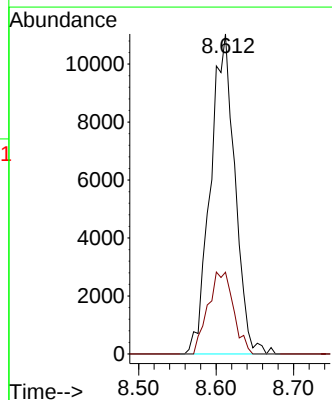
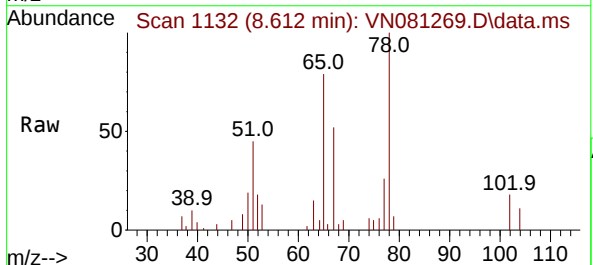
Instrument :
MSVOA_N
ClientSampleId :
1823-A

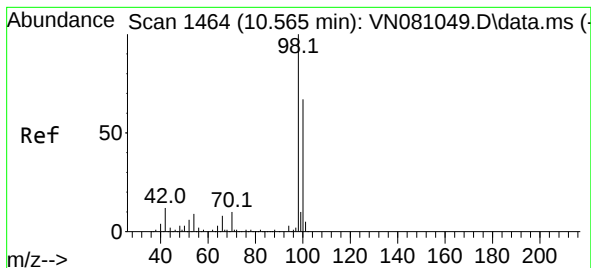
Tgt Ion:113 Resp: 171458
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 15.8 12.5 18.7



#40
Benzene
Concen: 1.457 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion: 78 Resp: 24283
Ion Ratio Lower Upper
78 100
77 25.6 20.4 30.6





#50

Toluene-d8

Concen: 54.654 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081269.D

Acq: 29 Feb 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

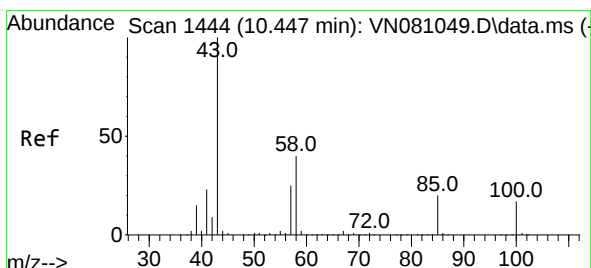
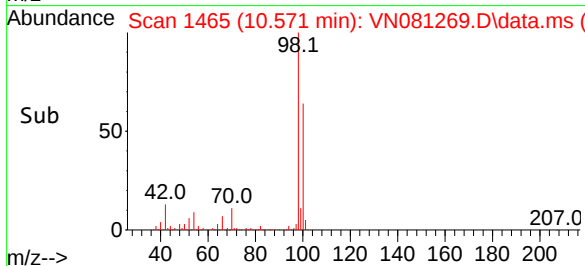
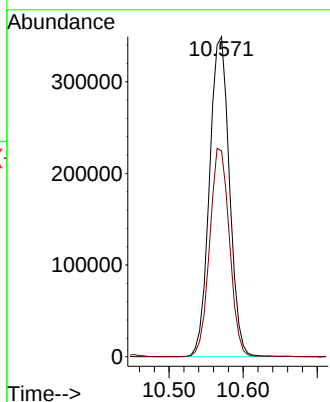
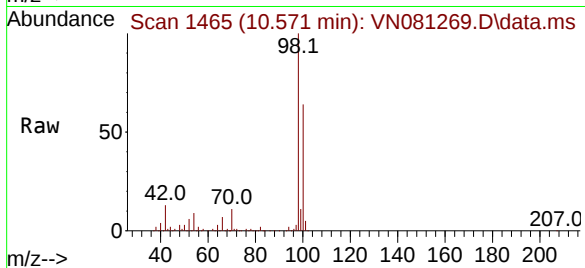
1823-A

Tgt Ion: 98 Resp: 652412

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 4.571 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN081269.D

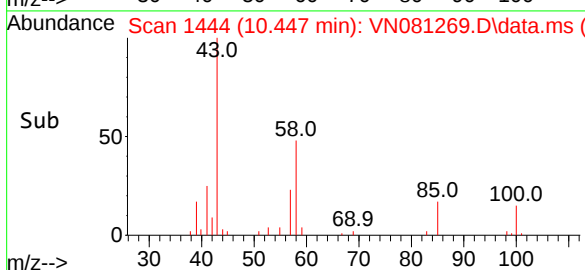
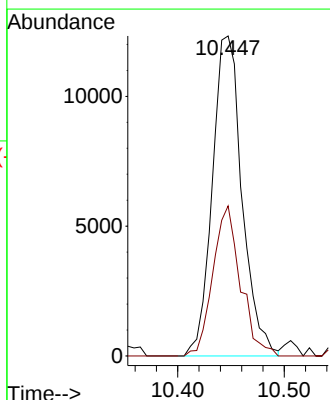
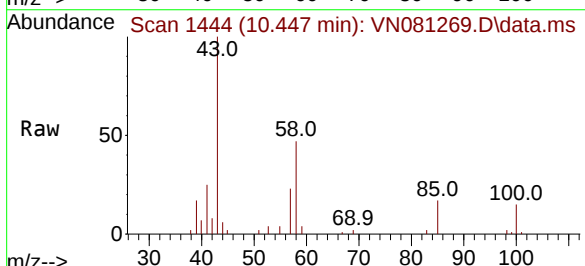
Acq: 29 Feb 2024 15:14

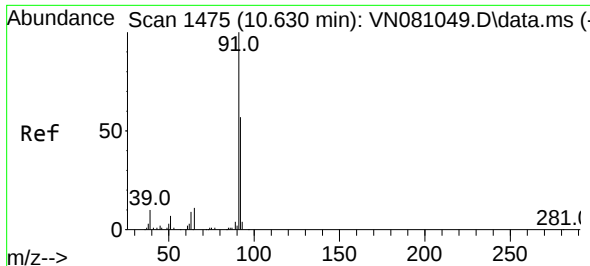
Tgt Ion: 43 Resp: 23897

Ion Ratio Lower Upper

43 100

58 43.6 29.4 44.0

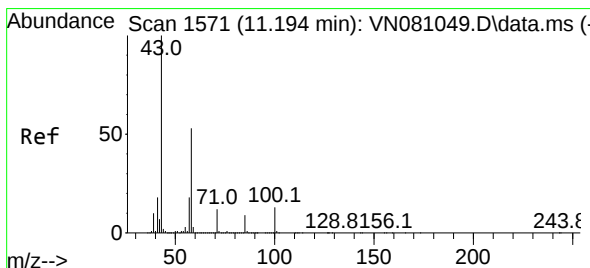
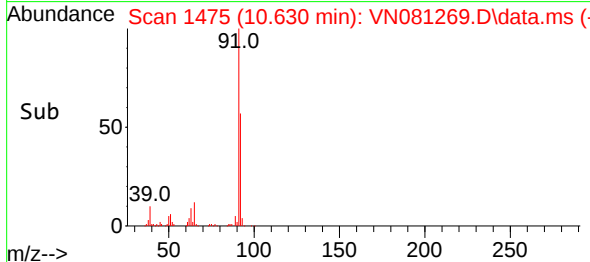
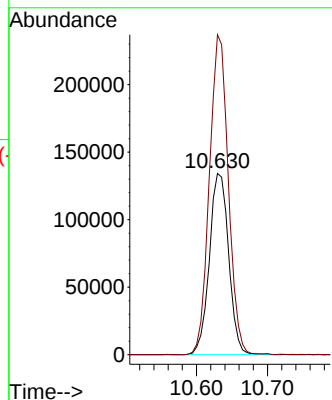
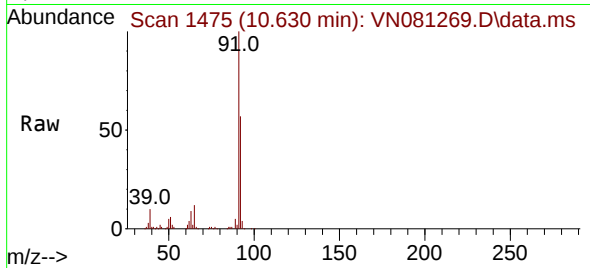




#52
Toluene
Concen: 23.965 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

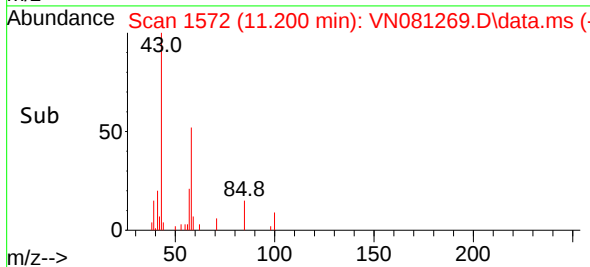
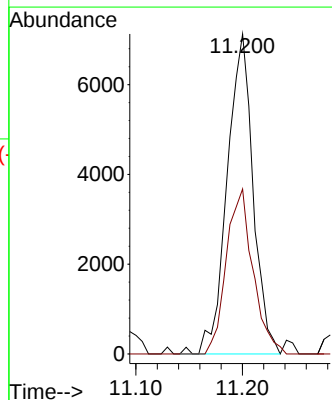
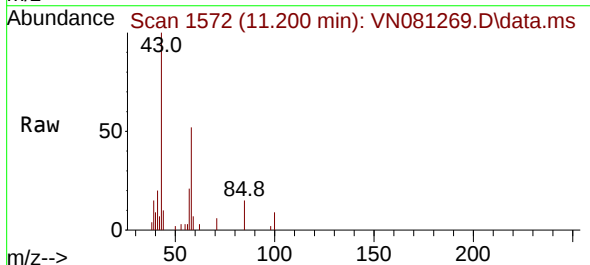
Instrument :
MSVOA_N
ClientSampleId :
1823-A

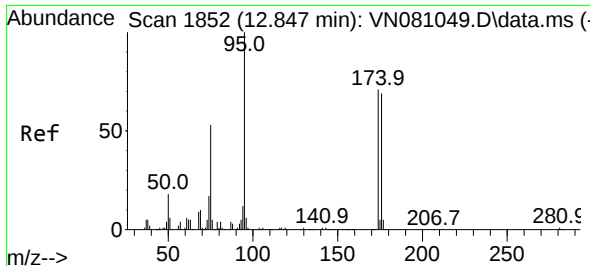
Tgt Ion: 92 Resp: 252858
Ion Ratio Lower Upper
92 100
91 173.5 139.4 209.0



#59
2-Hexanone
Concen: 2.905 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion: 43 Resp: 12040
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.8

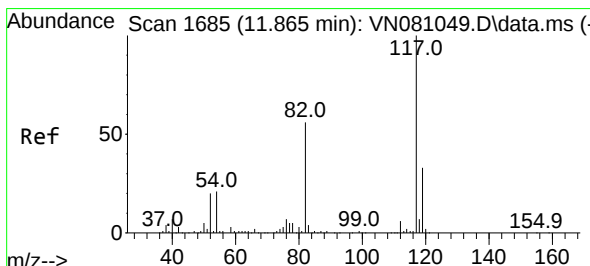
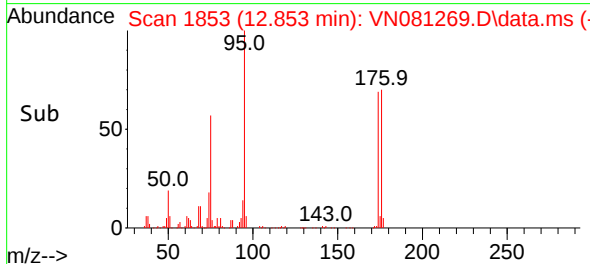
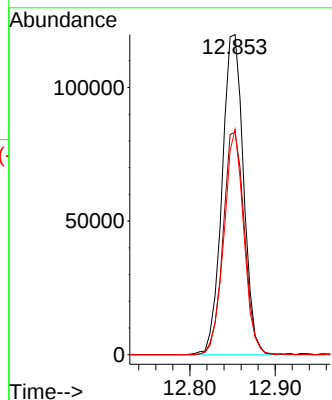
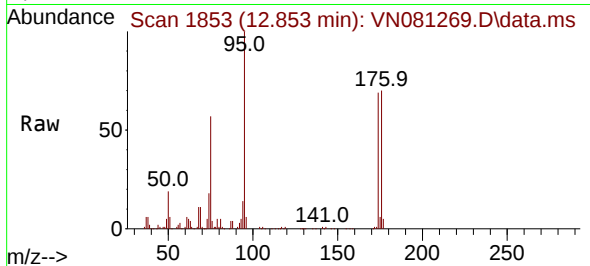




#62
4-Bromofluorobenzene
Concen: 46.585 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

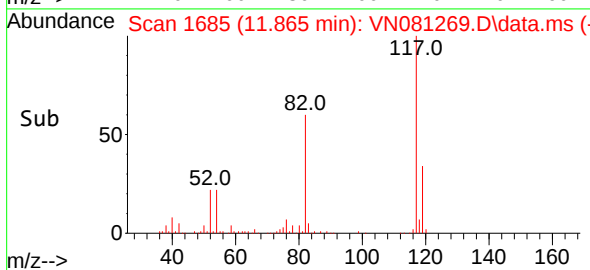
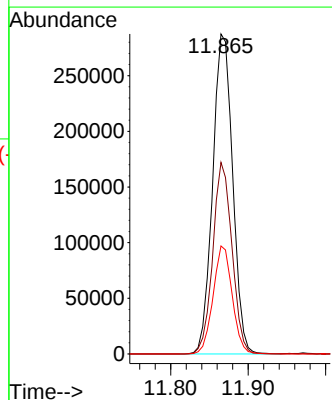
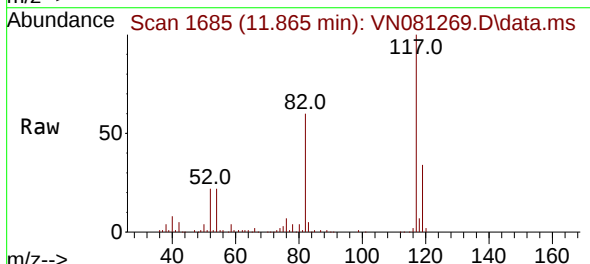
Instrument :
MSVOA_N
ClientSampleId :
1823-A

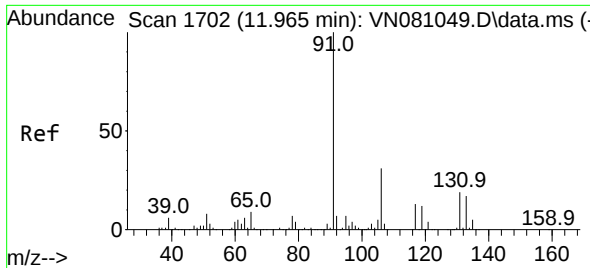
Tgt Ion: 95 Resp: 208955
Ion Ratio Lower Upper
95 100
174 69.3 0.0 120.4
176 65.3 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion: 117 Resp: 515536
Ion Ratio Lower Upper
117 100
82 59.8 52.7 79.1
119 33.7 25.3 37.9

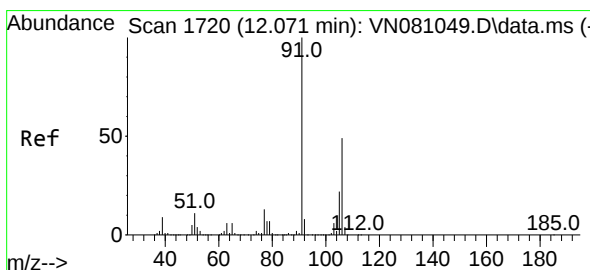
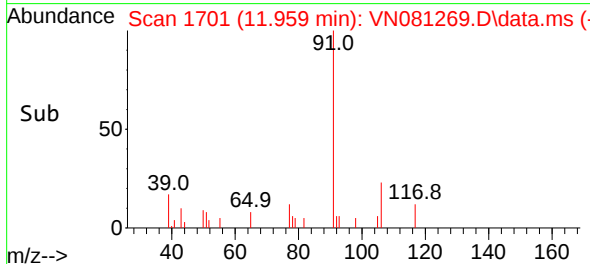
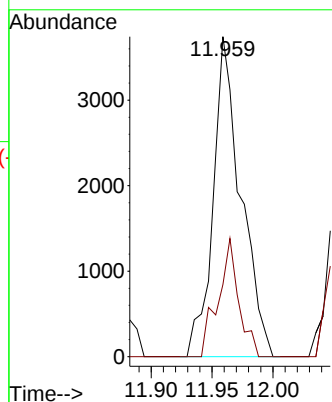
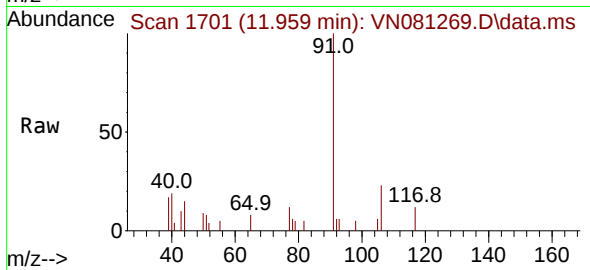




#67
Ethyl Benzene
Concen: 0.298 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

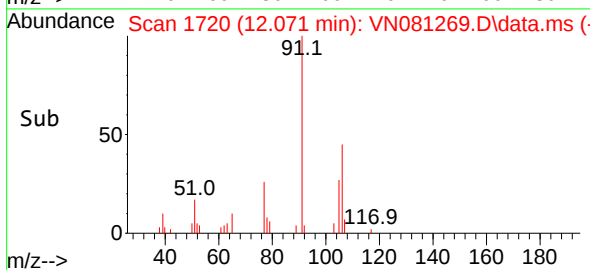
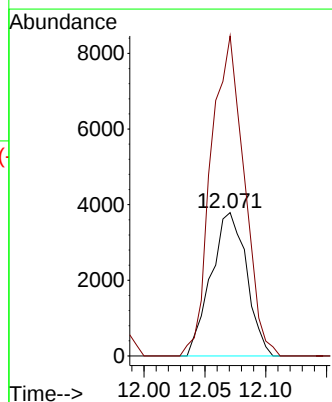
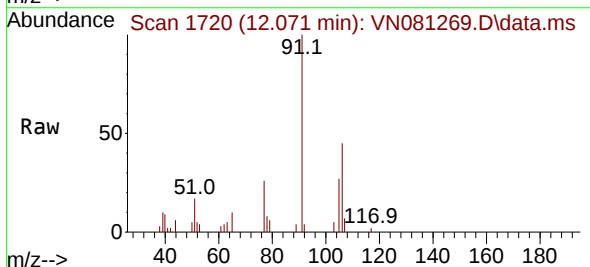
Instrument :
MSVOA_N
ClientSampleId :
1823-A

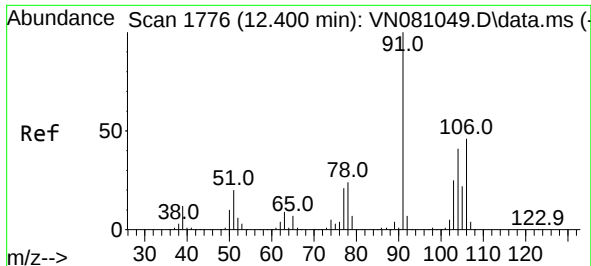
Tgt Ion: 91 Resp: 5946
Ion Ratio Lower Upper
91 100
106 22.6 23.8 35.6#



#68
m/p-Xylenes
Concen: 1.004 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion:106 Resp: 7682
Ion Ratio Lower Upper
106 100
91 208.3 169.0 253.6

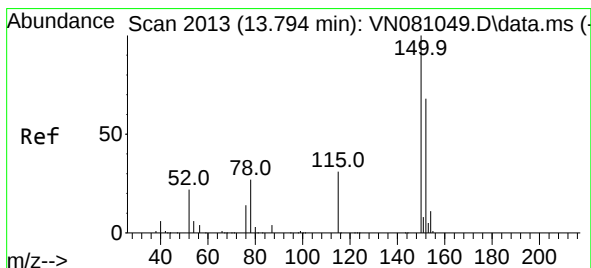
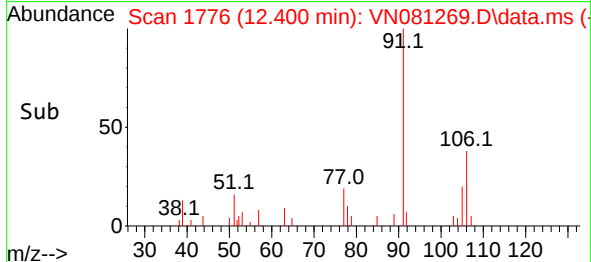
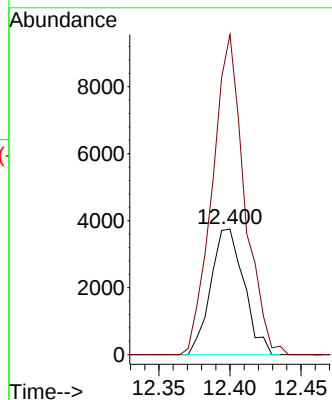
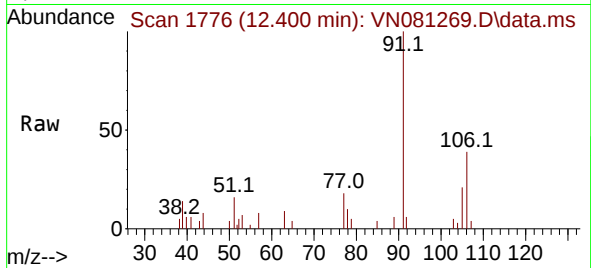




#69
o-Xylene
Concen: 0.804 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

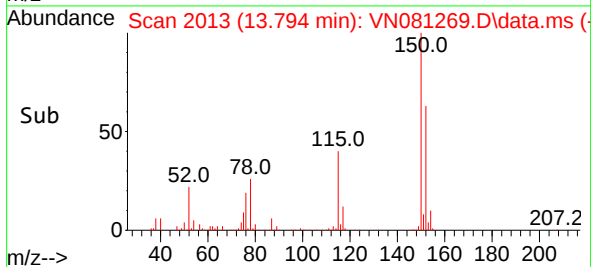
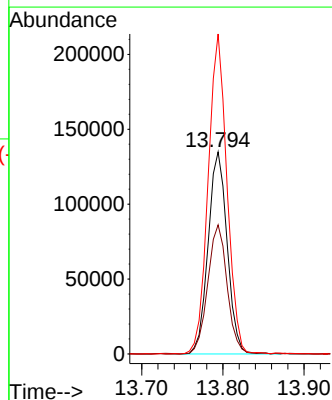
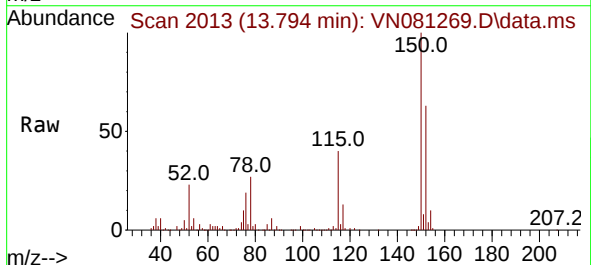
Instrument :
MSVOA_N
ClientSampleId :
1823-A

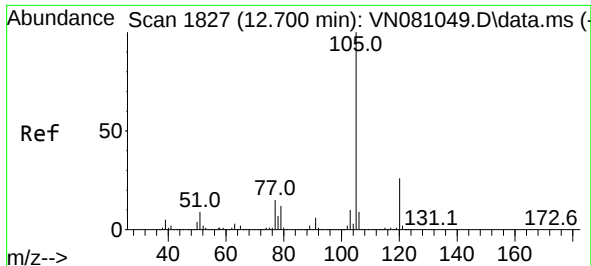
Tgt Ion:106 Resp: 6098
Ion Ratio Lower Upper
106 100
91 247.3 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion:152 Resp: 218848
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 156.7 0.0 339.8

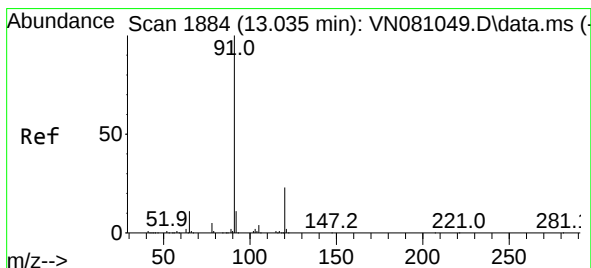
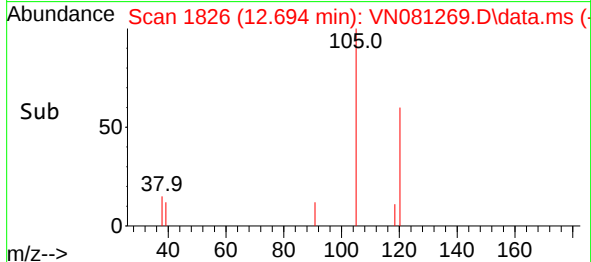
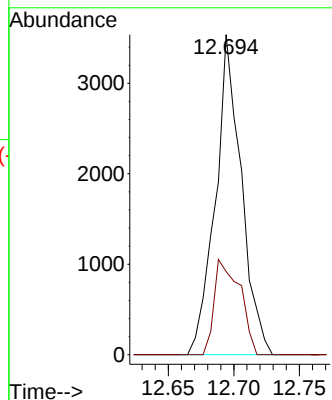
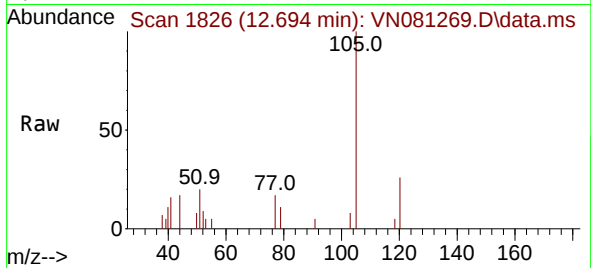




#73
Isopropylbenzene
Concen: 0.253 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

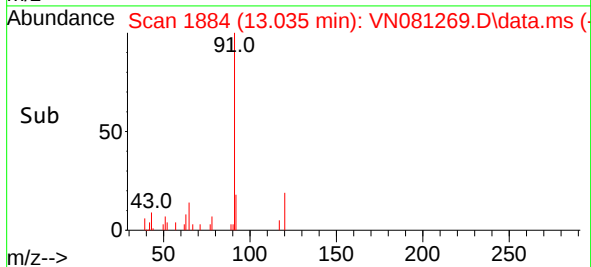
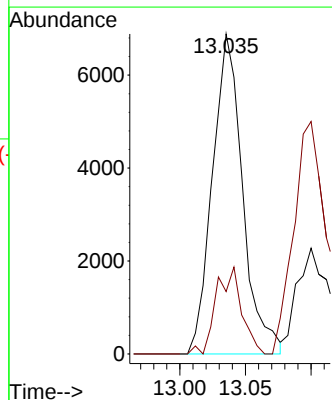
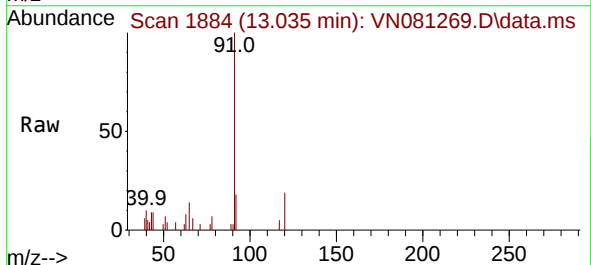
Instrument :
MSVOA_N
ClientSampleId :
1823-A

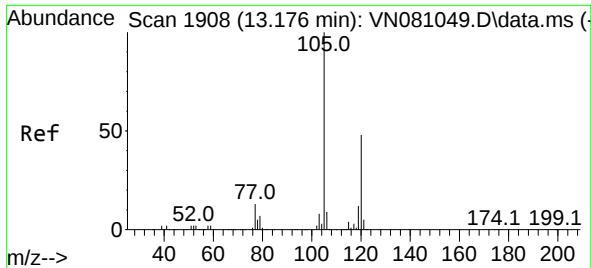
Tgt Ion:105 Resp: 4847
Ion Ratio Lower Upper
105 100
120 29.5 12.6 37.6



#78
n-propylbenzene
Concen: 0.500 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion: 91 Resp: 11020
Ion Ratio Lower Upper
91 100
120 22.9 10.3 30.9

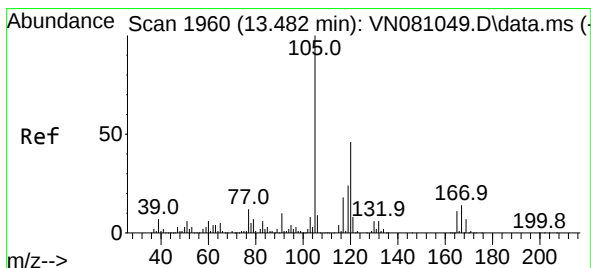
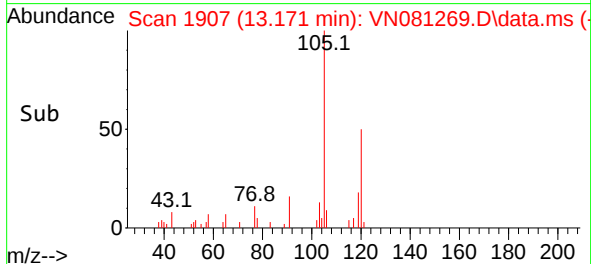
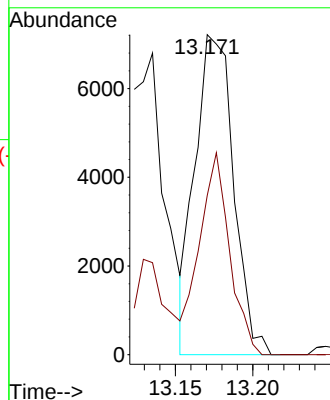
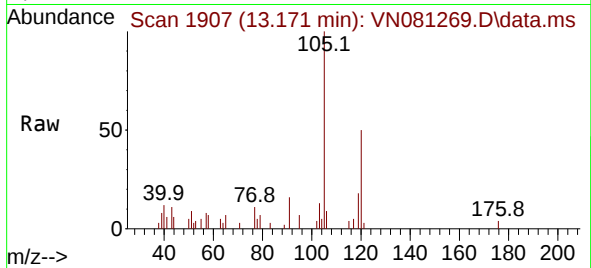




#80
1,3,5-Trimethylbenzene
Concen: 0.801 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

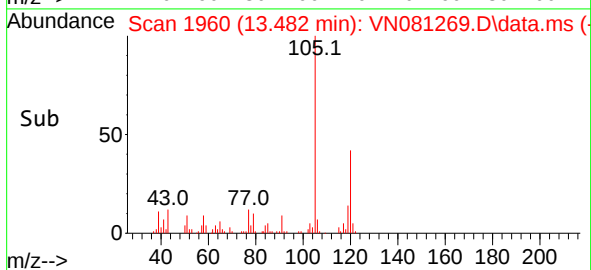
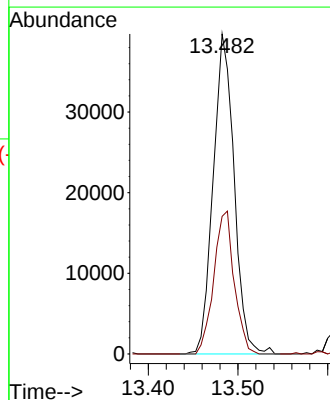
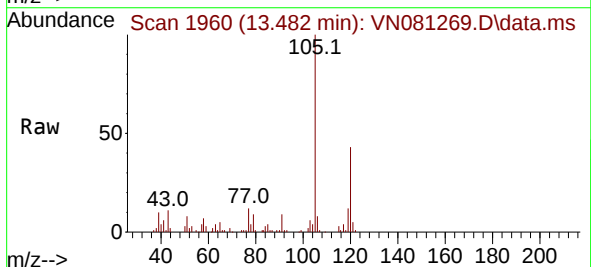
Instrument :
MSVOA_N
ClientSampleId :
1823-A

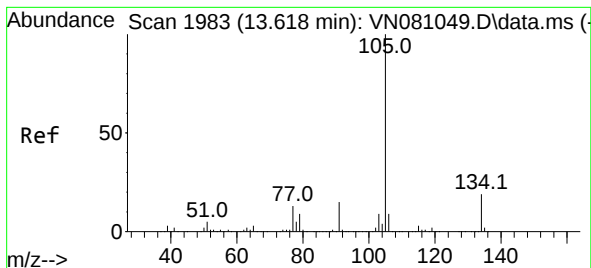
Tgt Ion:105 Resp: 12432
Ion Ratio Lower Upper
105 100
120 49.6 23.0 69.0



#84
1,2,4-Trimethylbenzene
Concen: 4.156 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion:105 Resp: 64289
Ion Ratio Lower Upper
105 100
120 43.5 20.9 62.7





#85

sec-Butylbenzene

Concen: 0.494 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN081269.D

Acq: 29 Feb 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

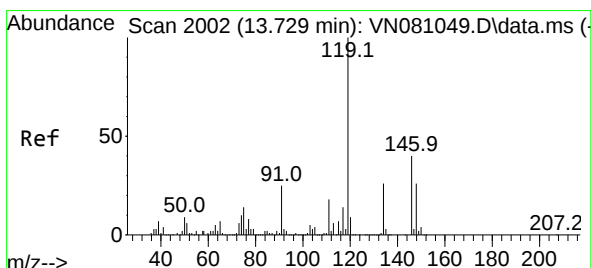
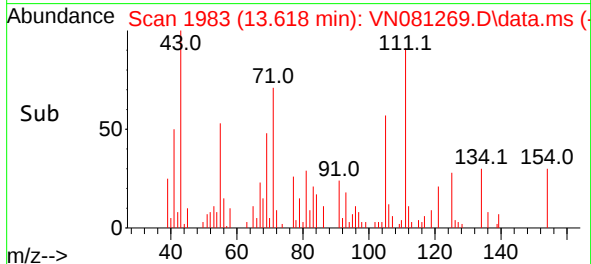
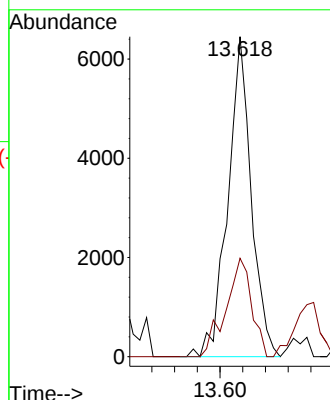
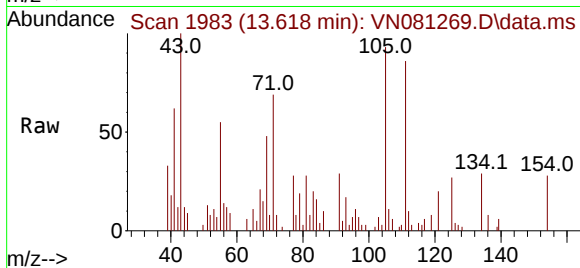
1823-A

Tgt Ion:105 Resp: 9225

Ion Ratio Lower Upper

105 100

134 33.8 8.6 25.8#



#86

p-Isopropyltoluene

Concen: 0.358 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN081269.D

Acq: 29 Feb 2024 15:14

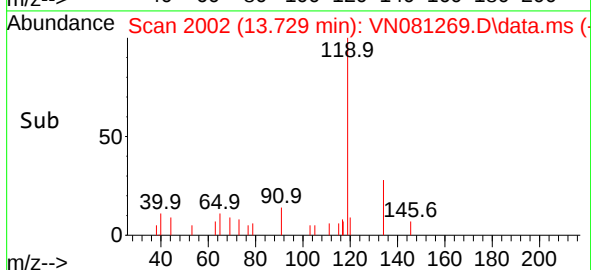
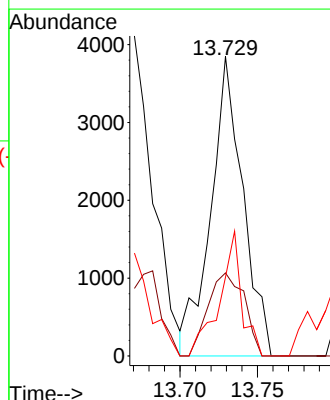
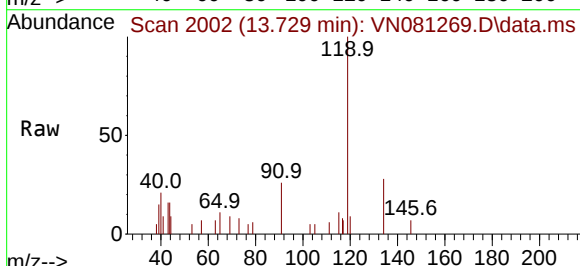
Tgt Ion:119 Resp: 5545

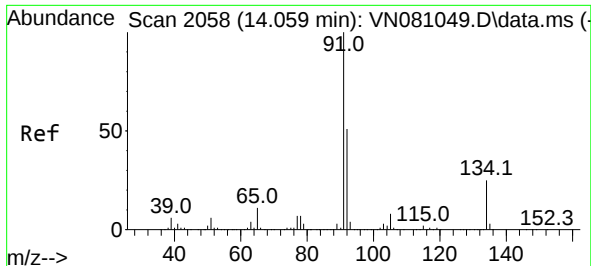
Ion Ratio Lower Upper

119 100

134 31.4 12.4 37.2

91 28.9 13.5 40.4

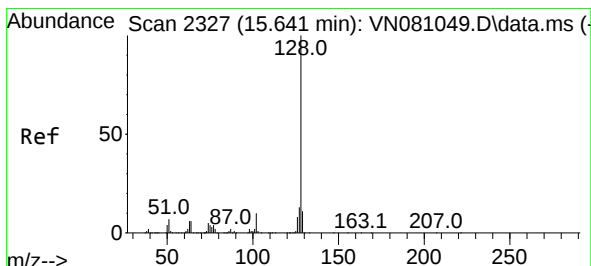
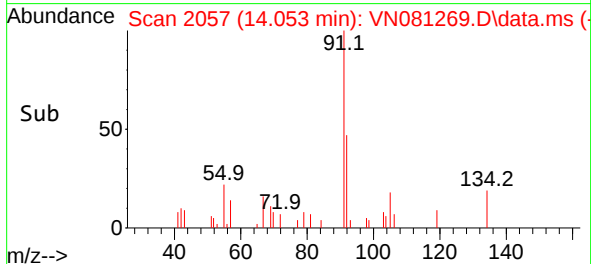
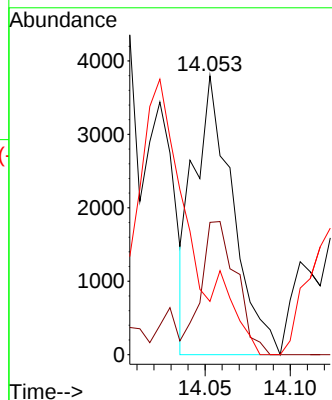
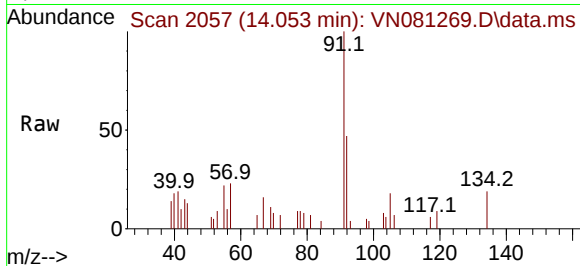




#89
n-Butylbenzene
Concen: 0.443 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
1823-A

Tgt Ion: 91 Resp: 5979
Ion Ratio Lower Upper
91 100
92 43.8 26.7 80.1
134 0.0 10.8 32.4#



#95
Naphthalene
Concen: 6.266 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN081269.D
Acq: 29 Feb 2024 15:14

Tgt Ion:128 Resp: 99668
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 11.0 8.7 13.1

