

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015165.D
 Acq On : 17 Aug 2023 12:31
 Operator : SY/MD
 Sample : 03958-01
 Misc : 6.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB02-Z106-107

Quant Time: Aug 18 00:52:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

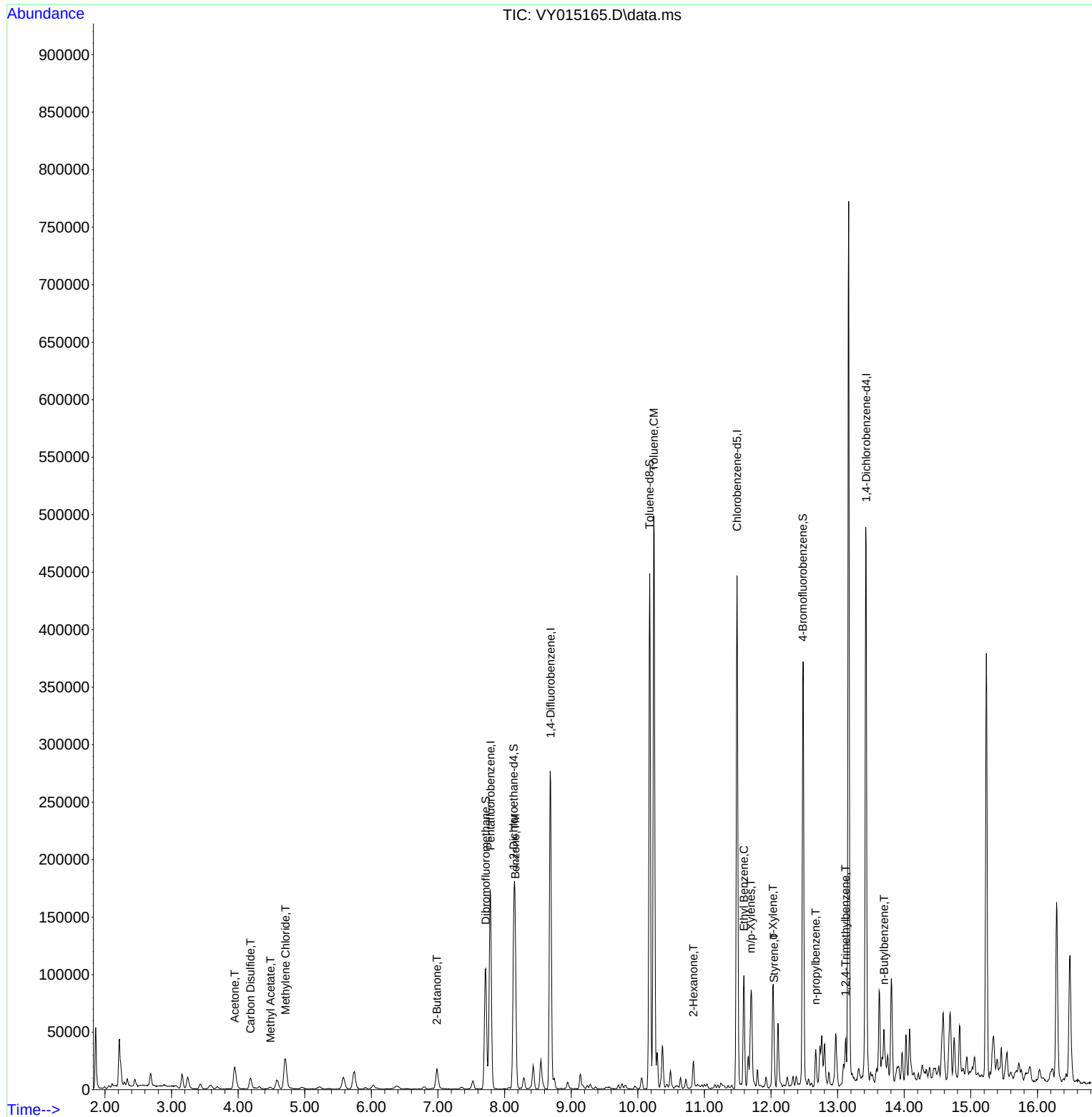
Internal Standards						
1) Pentafluorobenzene	7.789	168	133612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	237411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	236057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87608	54.622	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.240%	
35) Dibromofluoromethane	7.716	113	73357	48.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.060%	
50) Toluene-d8	10.179	98	284245	49.993	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	12.477	95	110999	53.450	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.900%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	33059	63.094	ug/l	90
17) Carbon Disulfide	4.186	76	19789	12.094	ug/l	99
18) Methyl Acetate	4.485	43	3412	1.777	ug/l	98
20) Methylene Chloride	4.710	84	20224	12.892	ug/l	91
25) 2-Butanone	6.984	43	29320	39.521	ug/l	99
40) Benzene	8.161	78	116009	22.708	ug/l	96
52) Toluene	10.240	92	209720	62.283	ug/l	93
59) 2-Hexanone	10.837	43	14020	11.396	ug/l	93
67) Ethyl Benzene	11.593	91	63016	8.362	ug/l	98
68) m/p-Xylenes	11.697	106	18941	6.618	ug/l	98
69) o-Xylene	12.032	106	19371	6.794	ug/l	97
70) Styrene	12.044	104	12866	2.607	ug/l #	83
78) n-propylbenzene	12.672	91	22011	2.351	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	17500	2.665	ug/l	97
89) n-Butylbenzene	13.696	91	19925	2.894	ug/l #	88

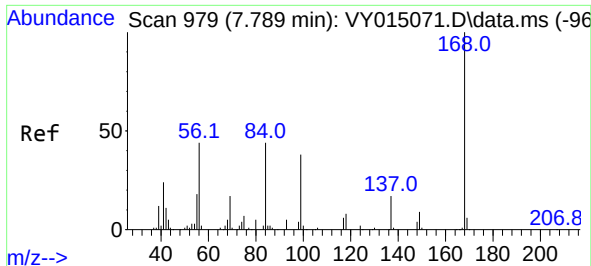
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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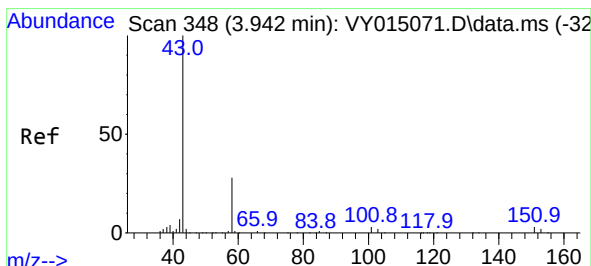
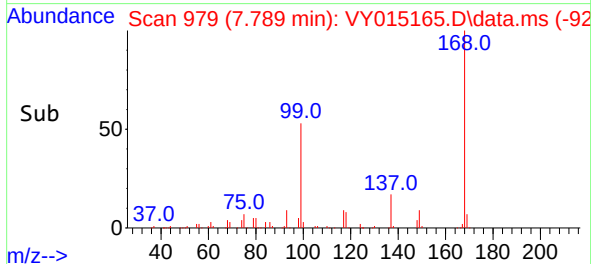
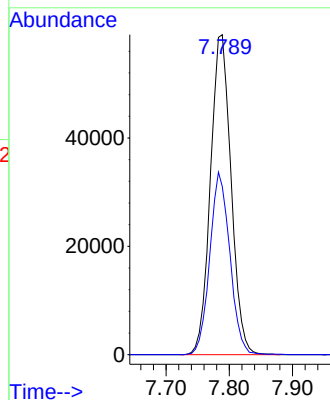
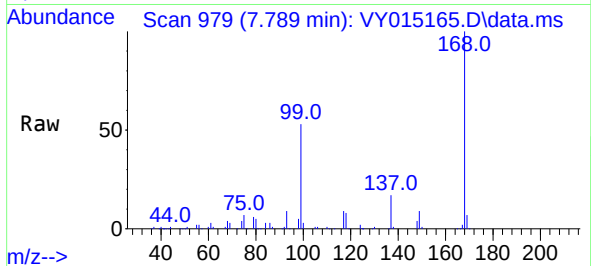




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

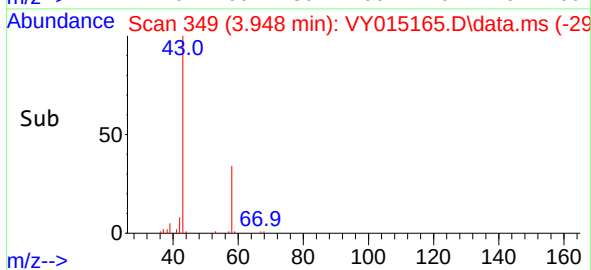
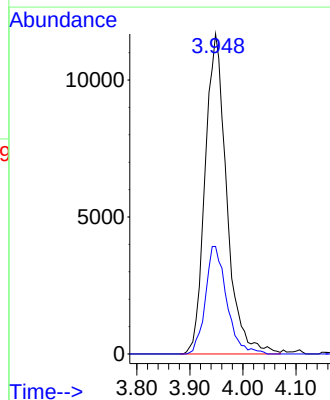
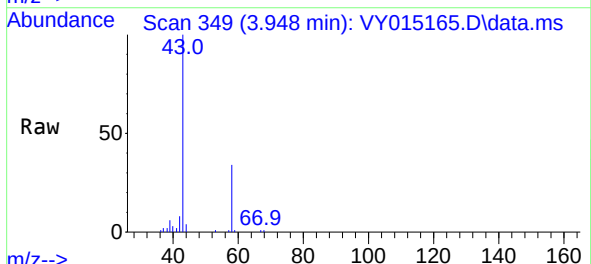
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

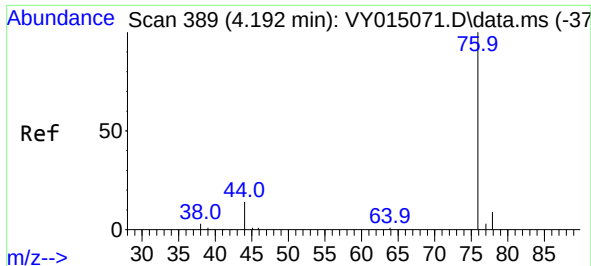
Tgt Ion:168 Resp: 133612
Ion Ratio Lower Upper
168 100
99 52.6 43.4 65.0



#16
Acetone
Concen: 63.094 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion: 43 Resp: 33059
Ion Ratio Lower Upper
43 100
58 33.6 22.7 34.1

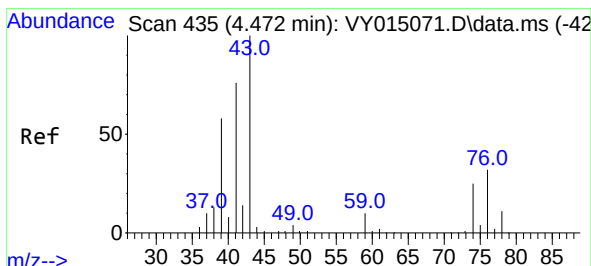
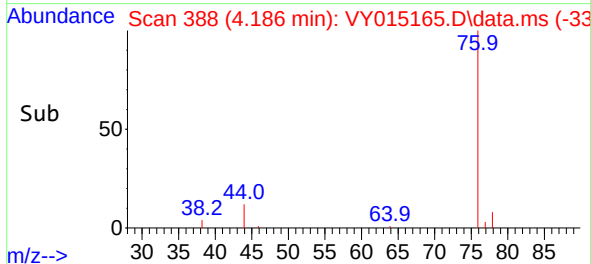
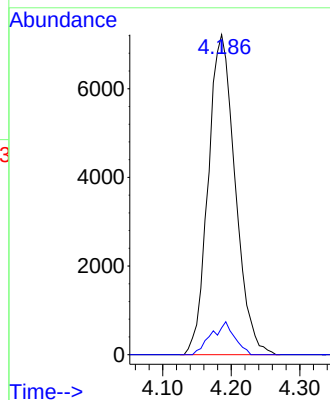
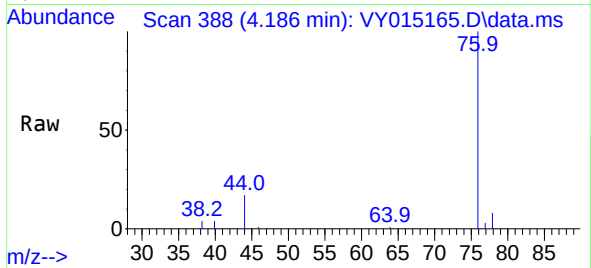




#17
Carbon Disulfide
Concen: 12.094 ug/l
RT: 4.186 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

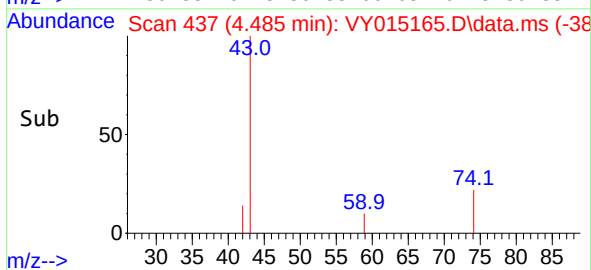
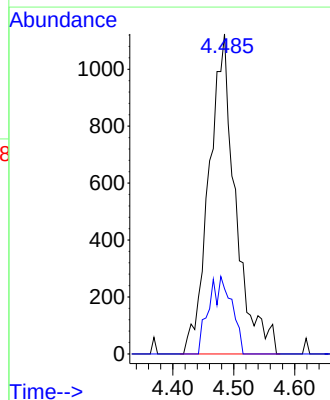
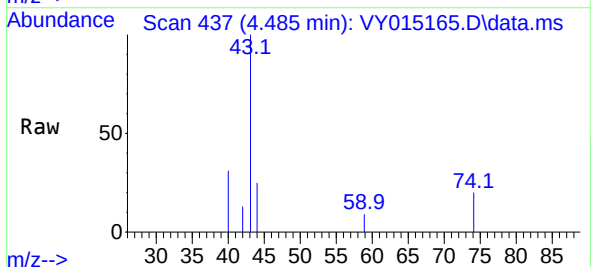
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

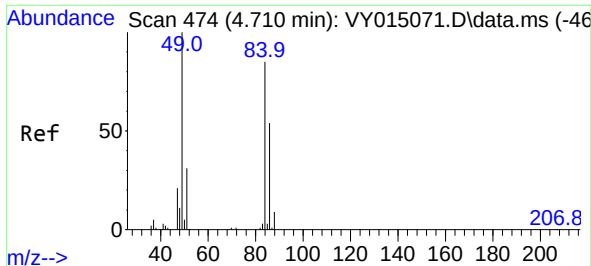
Tgt Ion: 76 Resp: 19789
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4



#18
Methyl Acetate
Concen: 1.777 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.019 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion: 43 Resp: 3412
Ion Ratio Lower Upper
43 100
74 20.8 17.4 26.0



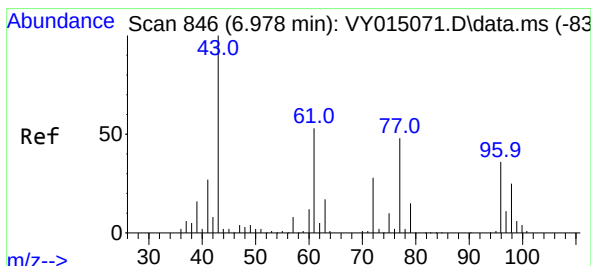
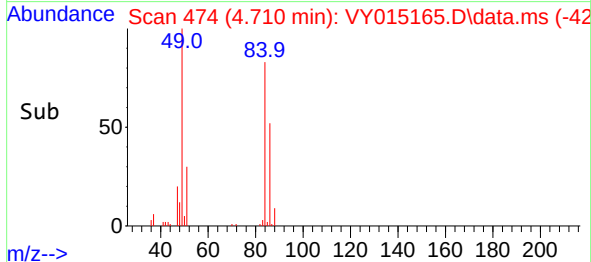
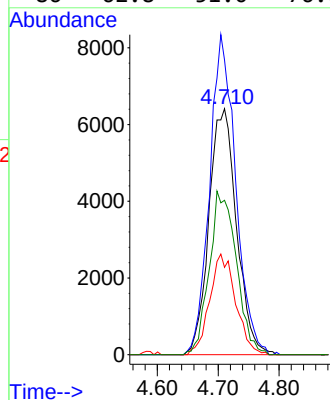
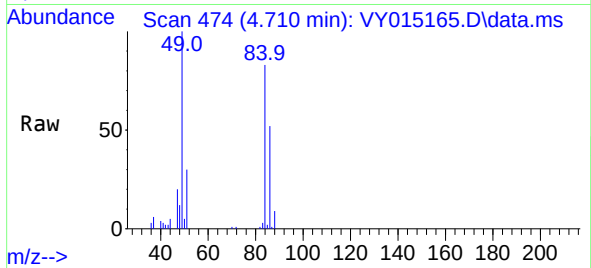


#20
Methylene Chloride
Concen: 12.892 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

Tgt Ion: 84 Resp: 20224

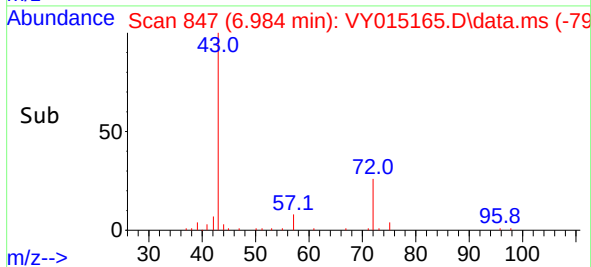
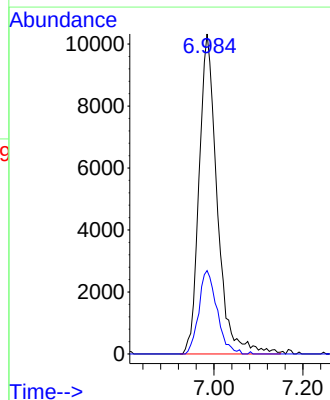
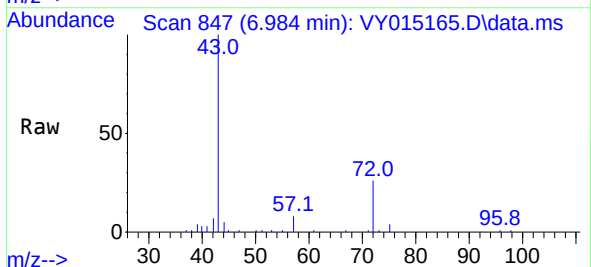
Ion	Ratio	Lower	Upper
84	100		
49	119.8	106.9	160.3
51	35.5	33.2	49.8
86	62.8	51.0	76.6

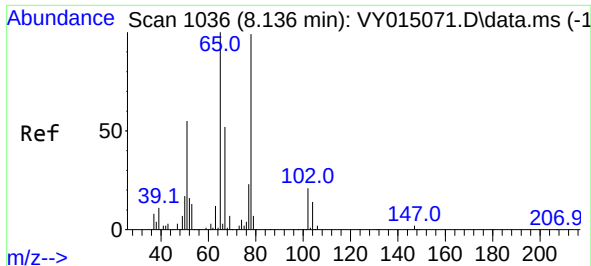


#25
2-Butanone
Concen: 39.521 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion: 43 Resp: 29320

Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.5	30.7





#33

1,2-Dichloroethane-d4

Concen: 54.622 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015165.D

Acq: 17 Aug 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

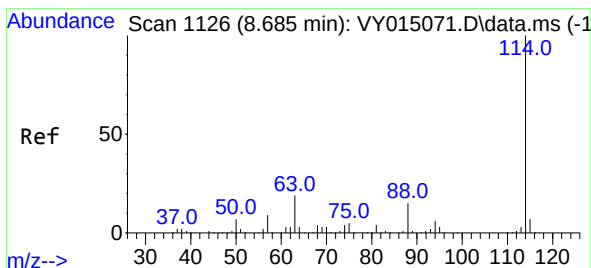
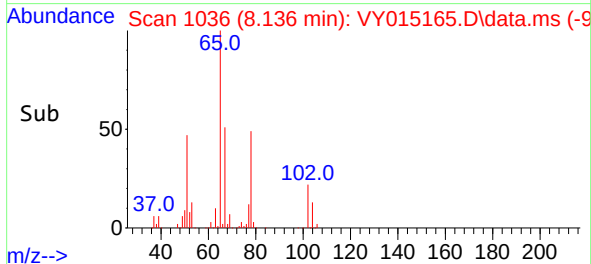
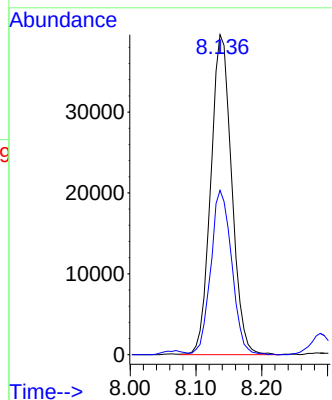
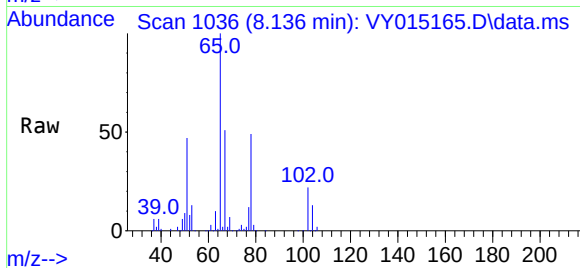
NEVINS-SB02-Z106-107

Tgt Ion: 65 Resp: 87608

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015165.D

Acq: 17 Aug 2023 12:31

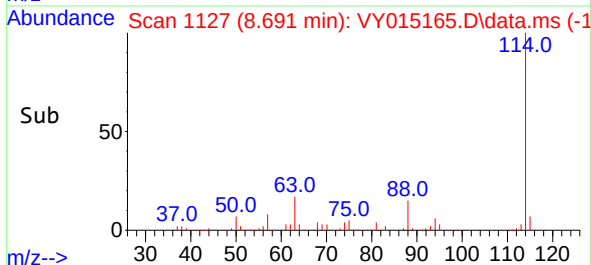
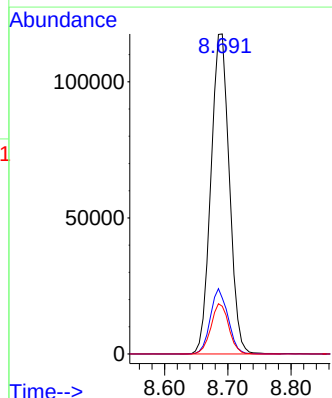
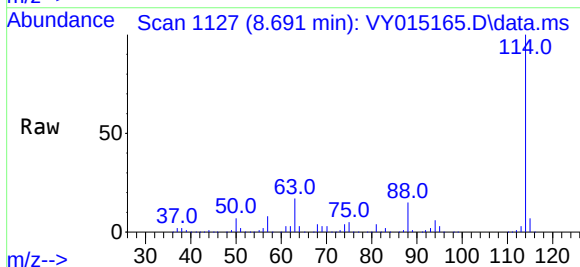
Tgt Ion: 114 Resp: 237411

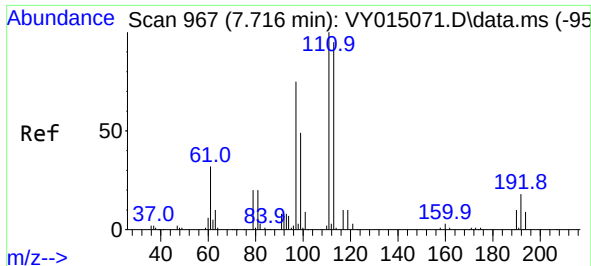
Ion Ratio Lower Upper

114 100

63 17.5 0.0 42.4

88 14.9 0.0 30.6

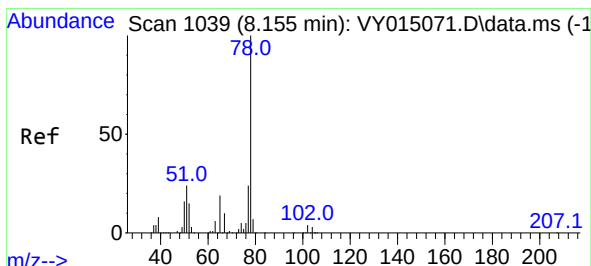
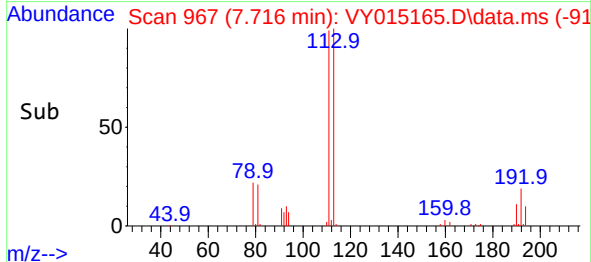
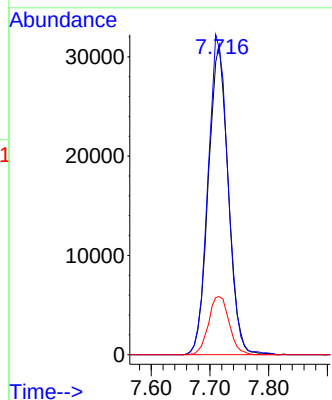
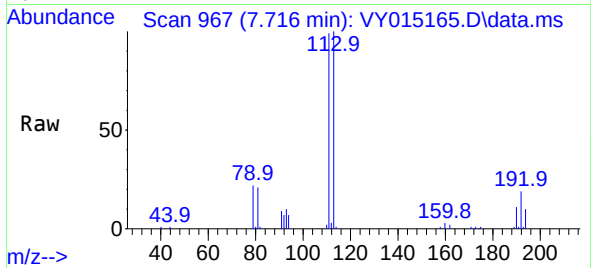




#35
Dibromofluoromethane
Concen: 48.029 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

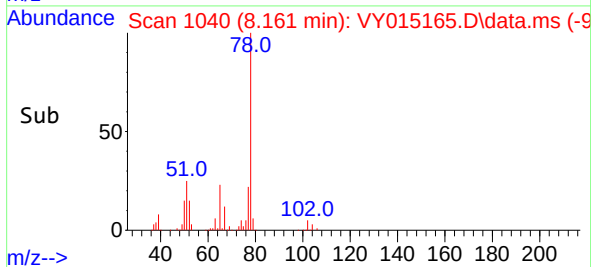
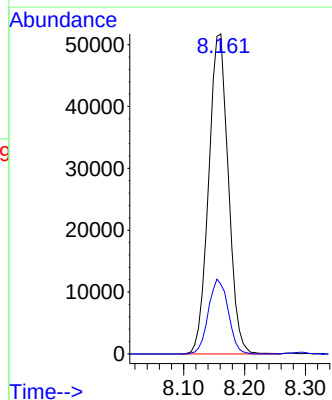
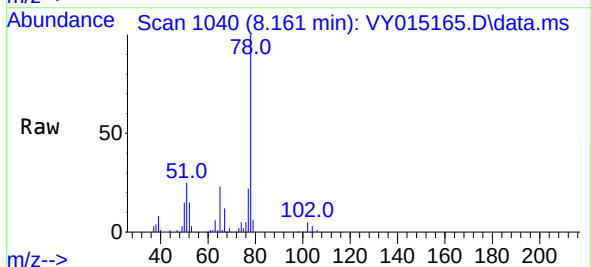
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

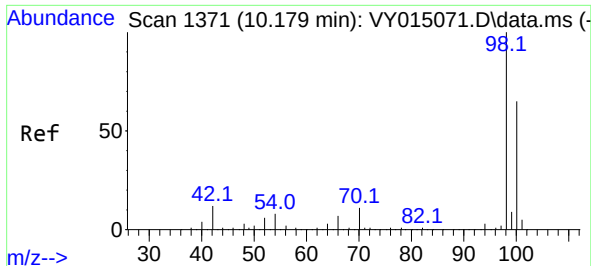
Tgt Ion:113 Resp: 73357
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.5 16.9 25.3



#40
Benzene
Concen: 22.708 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion: 78 Resp: 116009
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.6

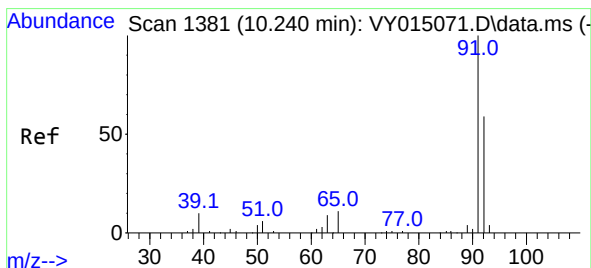
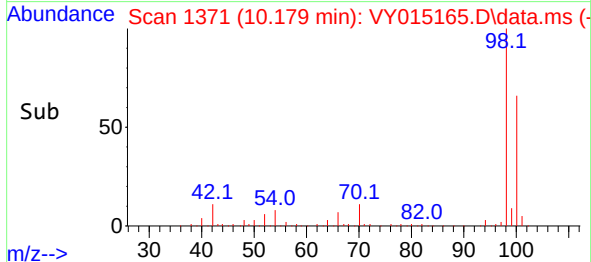
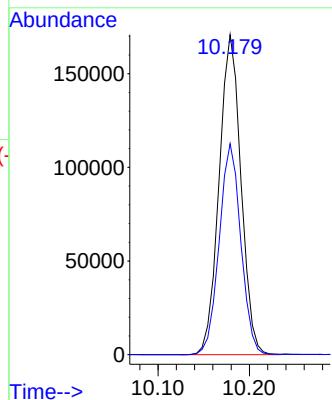
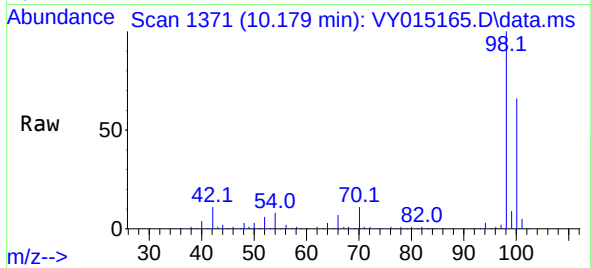




#50
Toluene-d8
Concen: 49.993 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

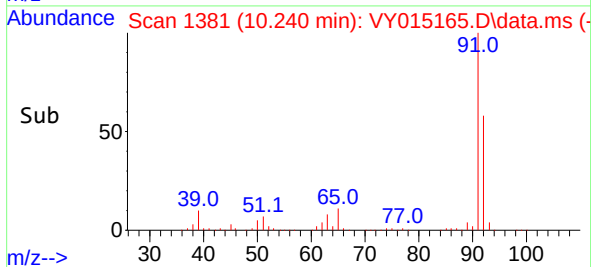
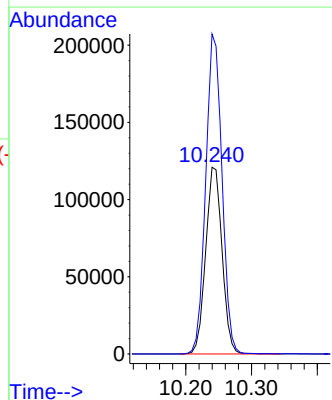
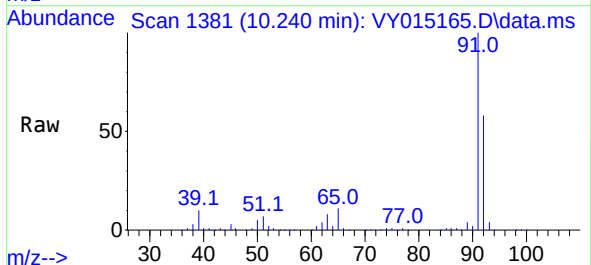
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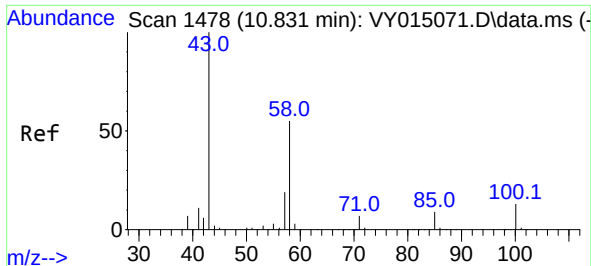
Tgt Ion: 98 Resp: 284245
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#52
Toluene
Concen: 62.283 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion: 92 Resp: 209720
Ion Ratio Lower Upper
92 100
91 169.9 143.8 215.6

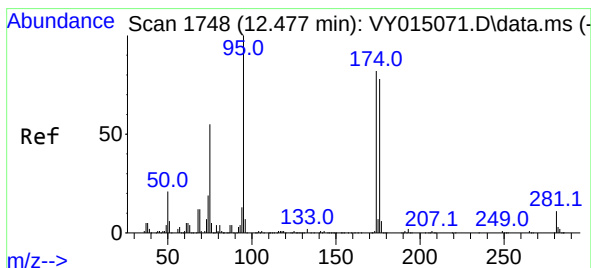
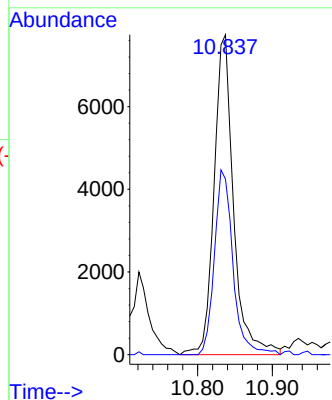
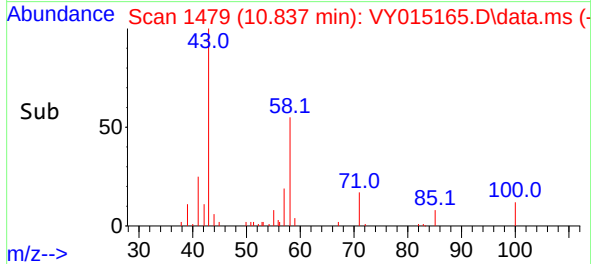
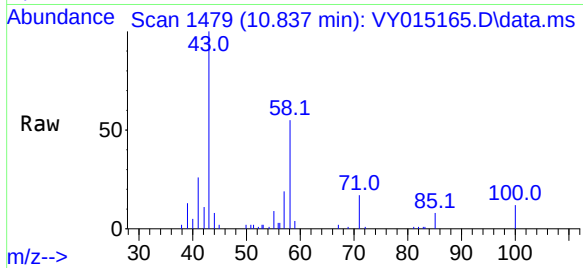




#59
2-Hexanone
Concen: 11.396 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

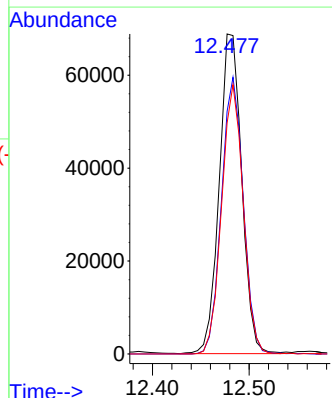
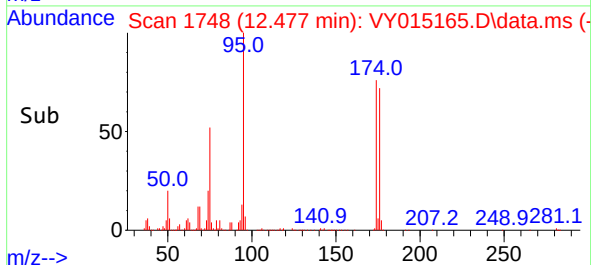
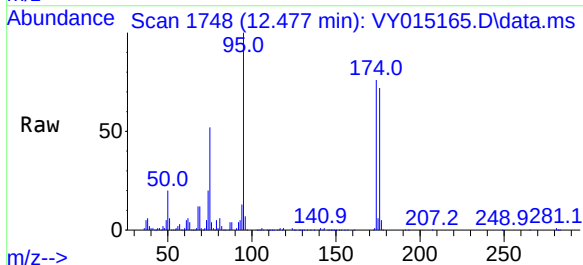
Instrument :
MSVOA_Y
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NEVINS-SB02-Z106-107

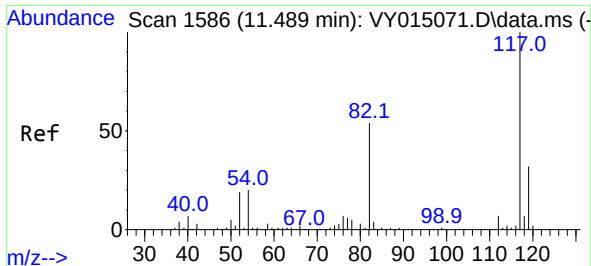
Tgt Ion: 43 Resp: 14020
Ion Ratio Lower Upper
43 100
58 55.1 25.1 75.3



#62
4-Bromofluorobenzene
Concen: 53.450 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion: 95 Resp: 110999
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 81.0 0.0 173.8

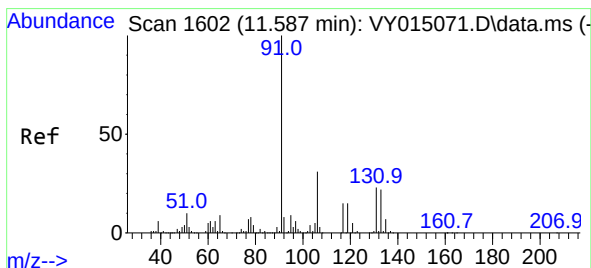
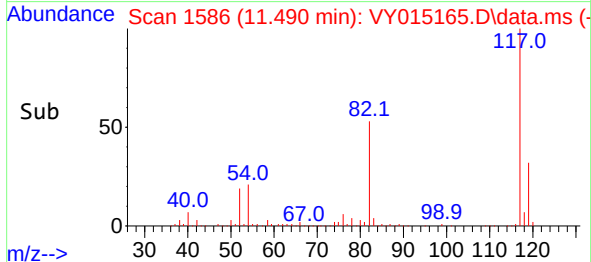
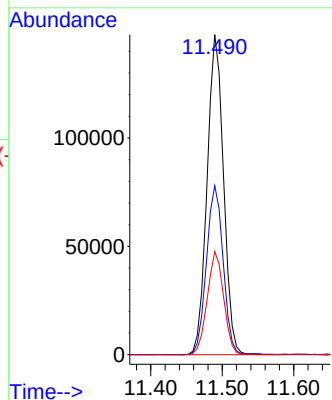
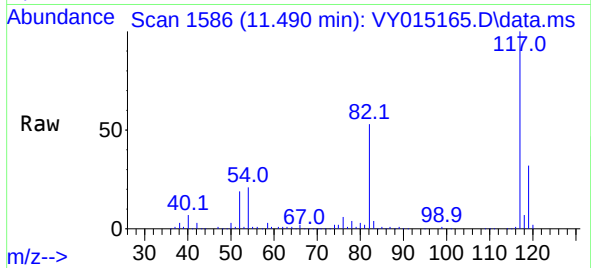




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

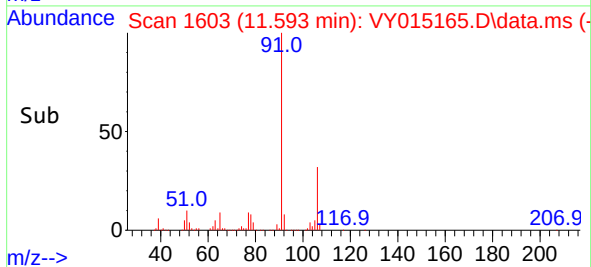
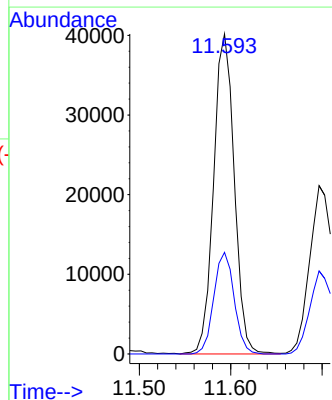
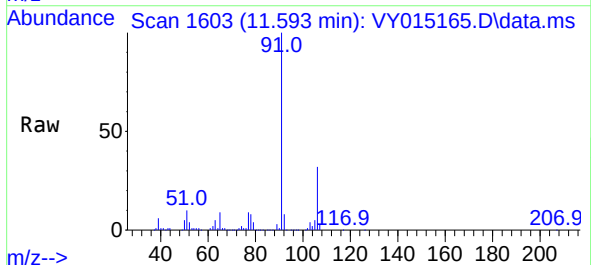
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

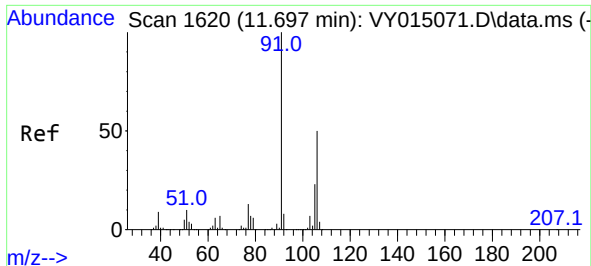
Tgt Ion:117 Resp: 236057
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 32.2 26.3 39.5



#67
Ethyl Benzene
Concen: 8.362 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion: 91 Resp: 63016
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8

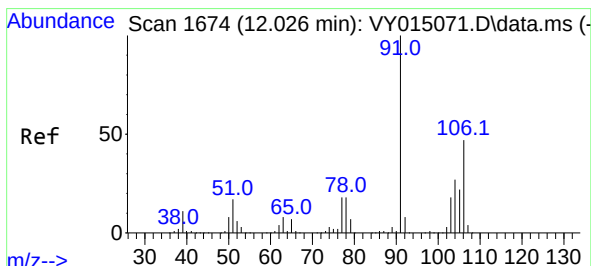
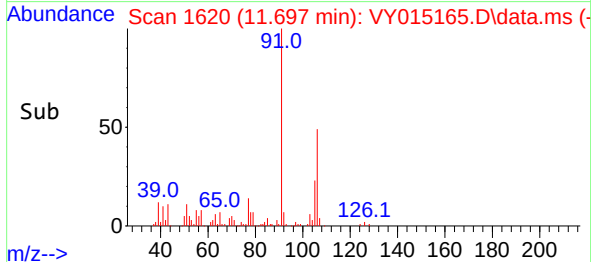
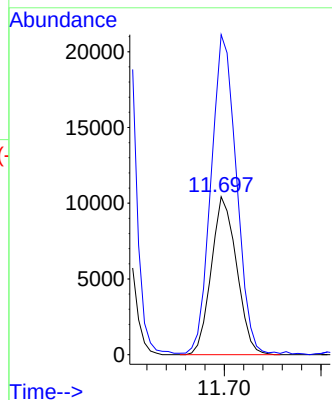
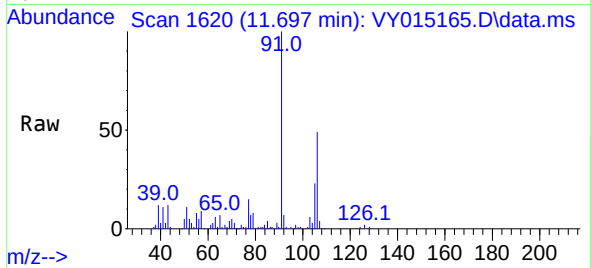




#68
m/p-Xylenes
Concen: 6.618 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

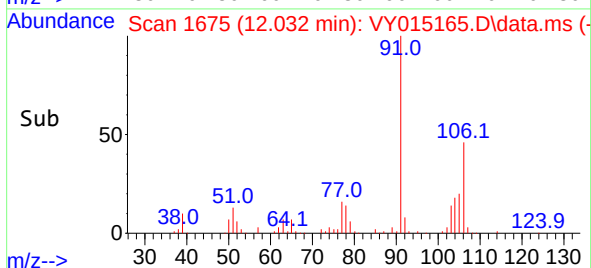
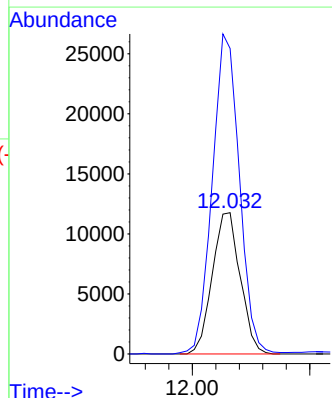
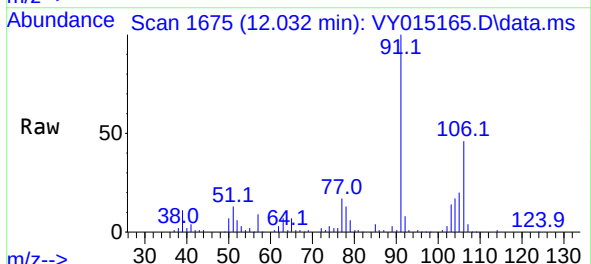
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

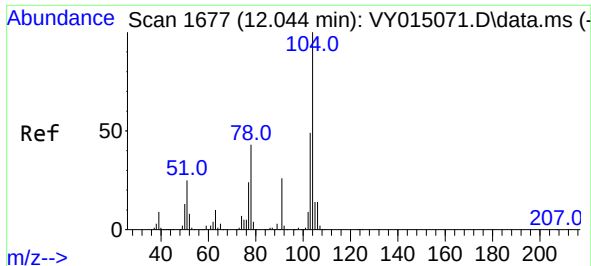
Tgt Ion:106 Resp: 18941
Ion Ratio Lower Upper
106 100
91 204.5 166.1 249.1



#69
o-Xylene
Concen: 6.794 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion:106 Resp: 19371
Ion Ratio Lower Upper
106 100
91 220.4 108.1 324.3

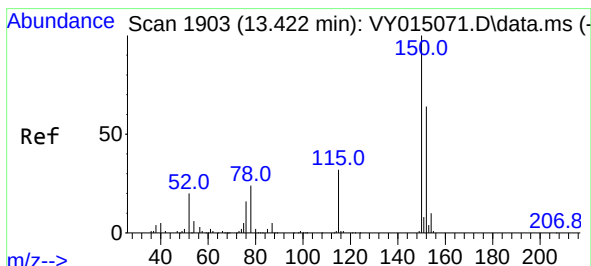
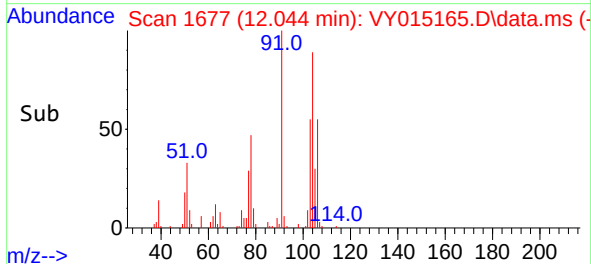
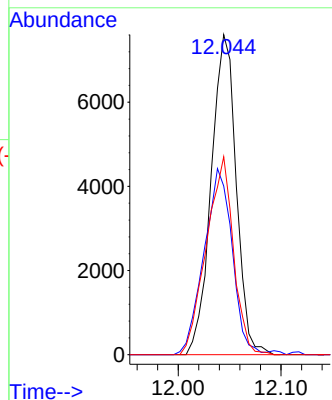
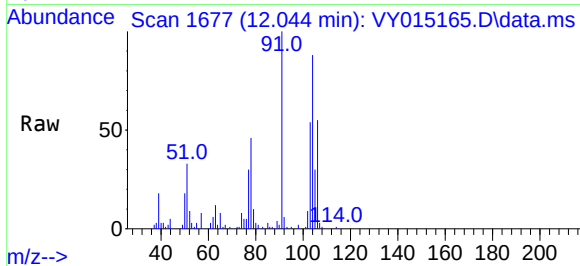




#70
Styrene
Concen: 2.607 ug/l
RT: 12.044 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

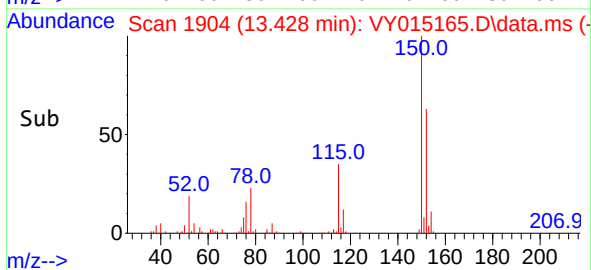
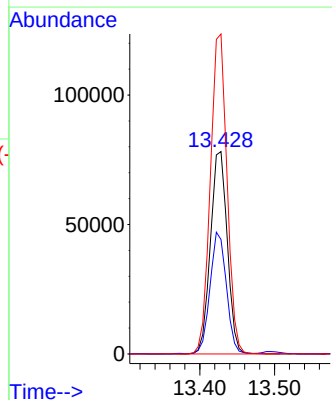
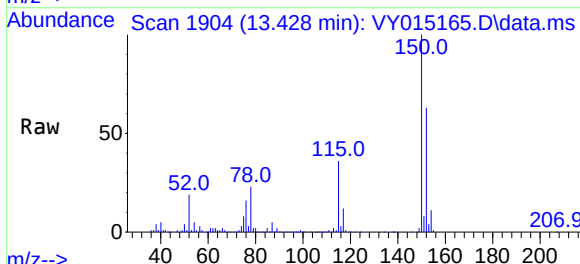
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

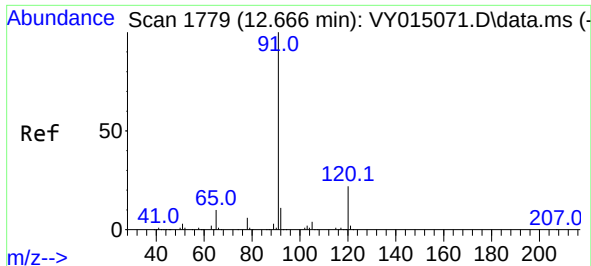
Tgt Ion:104 Resp: 12866
Ion Ratio Lower Upper
104 100
78 65.6 41.5 62.3#
103 67.0 44.6 67.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion:152 Resp: 122594
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 156.3 0.0 348.8

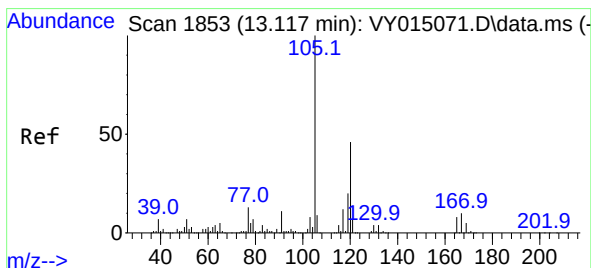
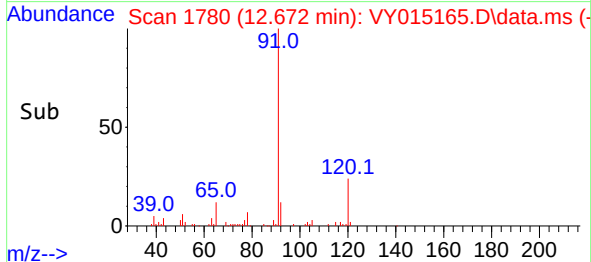
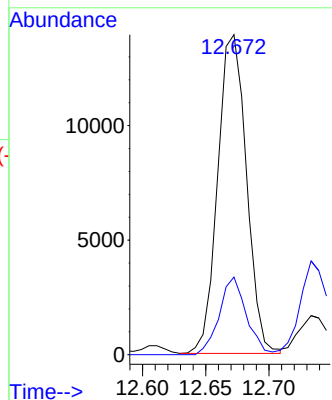
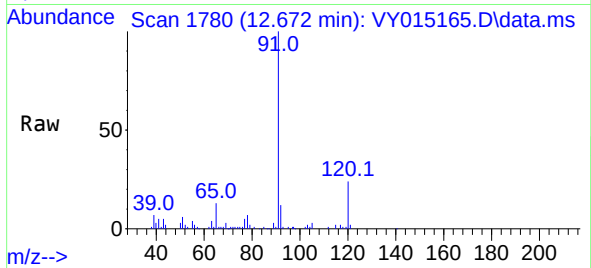




#78
n-propylbenzene
Concen: 2.351 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

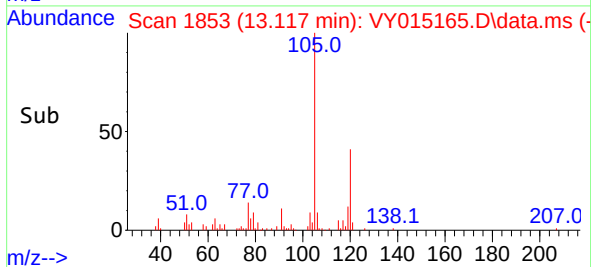
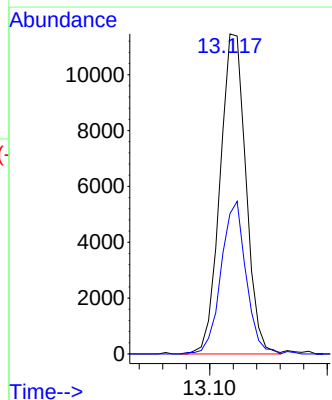
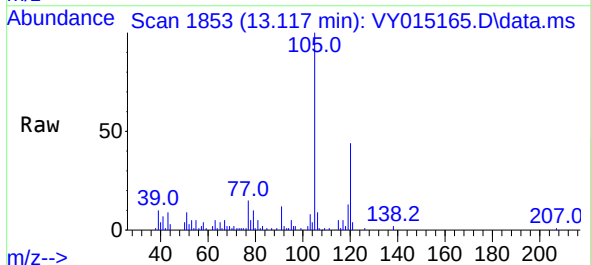
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB02-Z106-107

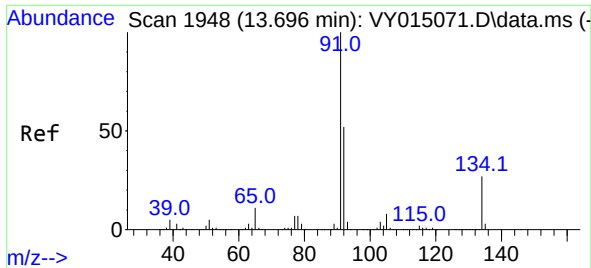
Tgt Ion: 91 Resp: 22011
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 2.665 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015165.D
Acq: 17 Aug 2023 12:31

Tgt Ion:105 Resp: 17500
Ion Ratio Lower Upper
105 100
120 46.1 22.2 66.6





#89

n-Butylbenzene

Concen: 2.894 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY015165.D

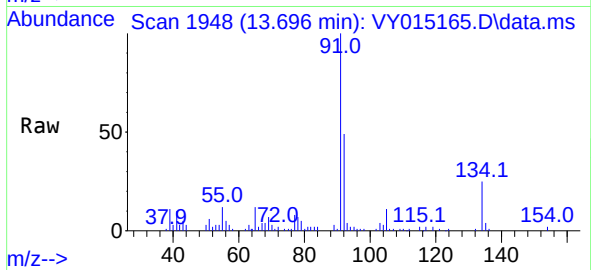
Acq: 17 Aug 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB02-Z106-107



Tgt Ion: 91 Resp: 19925

Ion Ratio Lower Upper

91 100

92 50.2 25.4 76.0

134 41.9 12.6 37.6#

