

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080923\
 Data File : VY015007.D
 Acq On : 09 Aug 2023 15:54
 Operator : SY/MD
 Sample : 03945-01
 Misc : 6.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB01-Z88-90

Quant Time: Aug 10 01:46:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

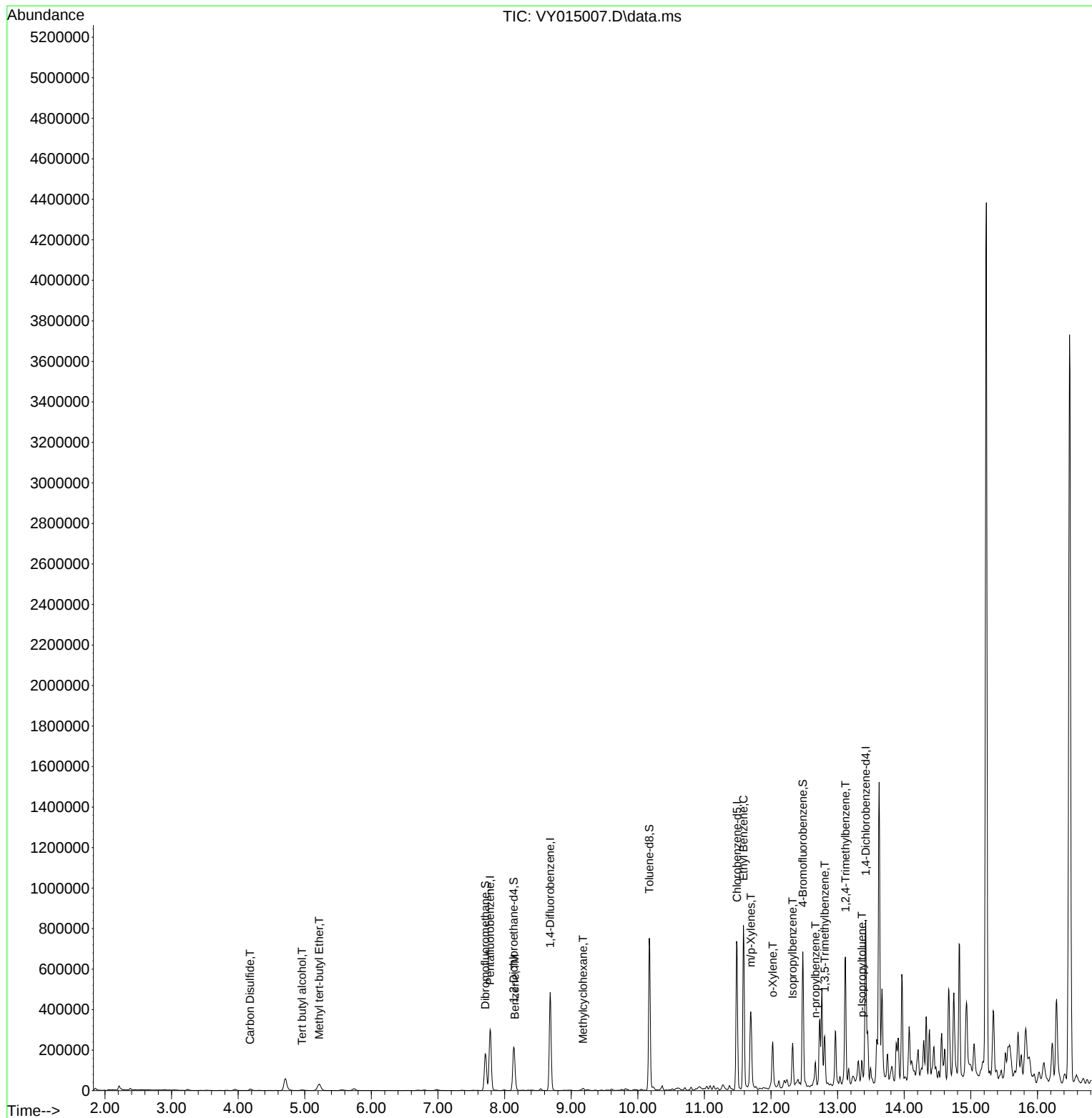
Internal Standards						
1) Pentafluorobenzene	7.783	168	237962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	411864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	398342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	206894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	156316	54.198	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.400%	
35) Dibromofluoromethane	7.709	113	131200	49.814	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.620%	
50) Toluene-d8	10.172	98	482531	48.134	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.260%	
62) 4-Bromofluorobenzene	12.477	95	190836	53.712	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	7380	10.602	ug/l	99
17) Carbon Disulfide	4.180	76	13967	3.359	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	55988	7.868	ug/l	100
39) Methylcyclohexane	9.179	83	4246	1.092	ug/l	94
40) Benzene	8.154	78	40008	4.155	ug/l	100
67) Ethyl Benzene	11.587	91	537314	40.506	ug/l	99
68) m/p-Xylenes	11.697	106	113908	22.447	ug/l	96
69) o-Xylene	12.026	106	59309	11.944	ug/l	97
73) Isopropylbenzene	12.324	105	129089	9.282	ug/l	100
78) n-propylbenzene	12.666	91	89645	5.389	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	81210	7.086	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	342930	29.865	ug/l	98
86) p-Isopropyltoluene	13.367	119	47243	3.709	ug/l	98

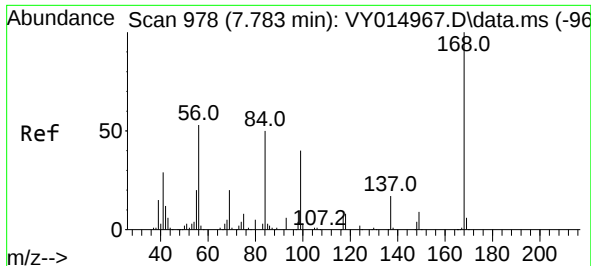
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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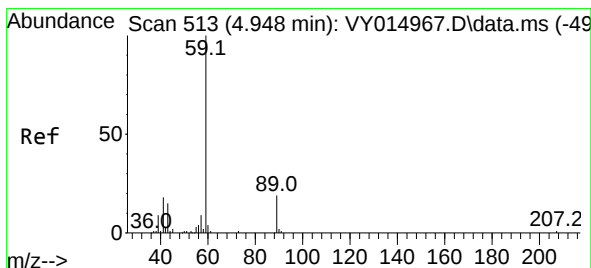
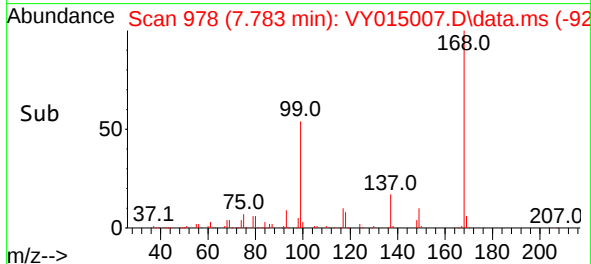
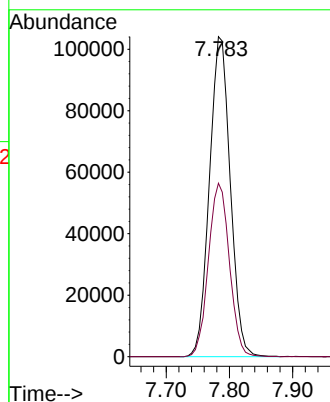
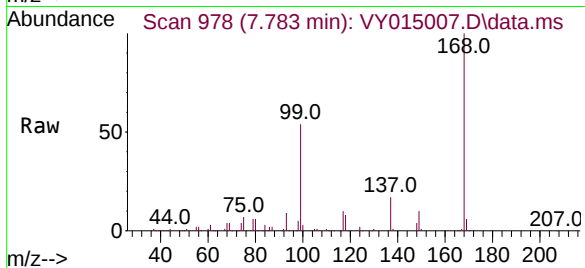




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

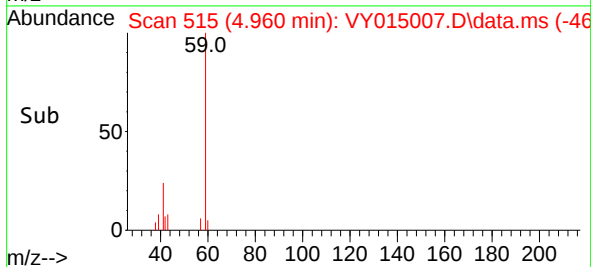
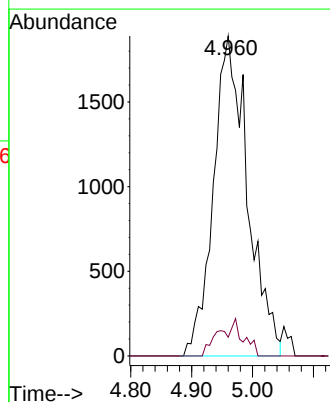
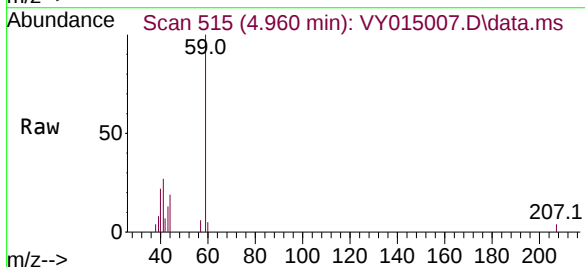
Instrument :
MSVOA_Y
ClientSampleId :
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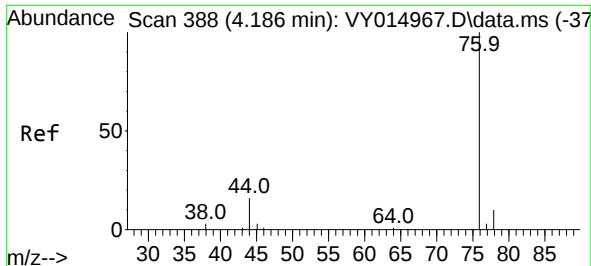
Tgt Ion:168 Resp: 237962
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#11
Tert butyl alcohol
Concen: 10.602 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion: 59 Resp: 7380
Ion Ratio Lower Upper
59 100
57 3.9 3.0 4.4

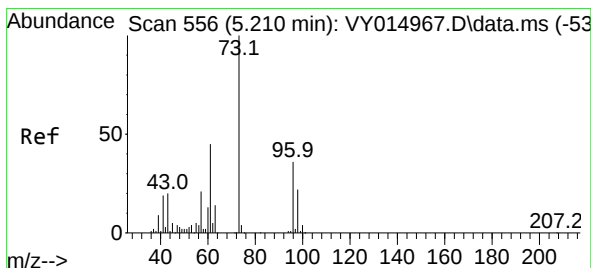
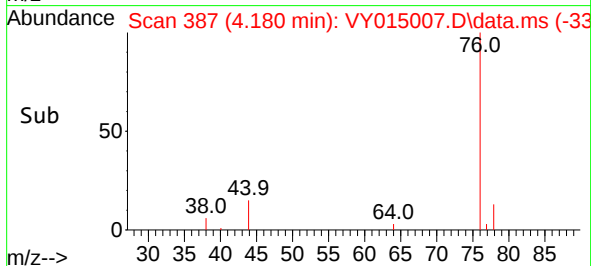
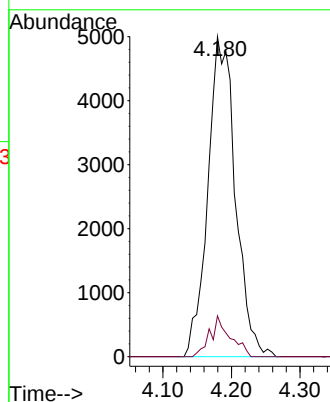
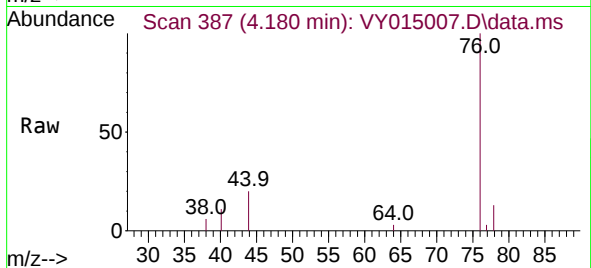




#17
Carbon Disulfide
Concen: 3.359 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

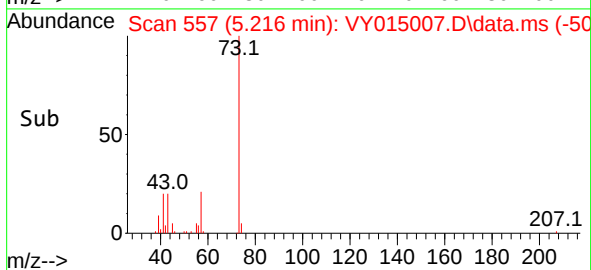
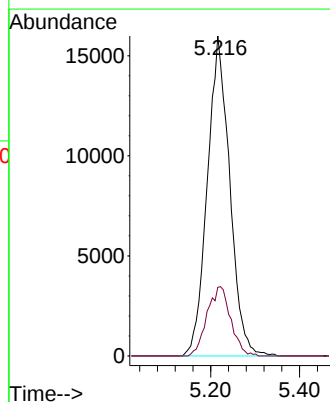
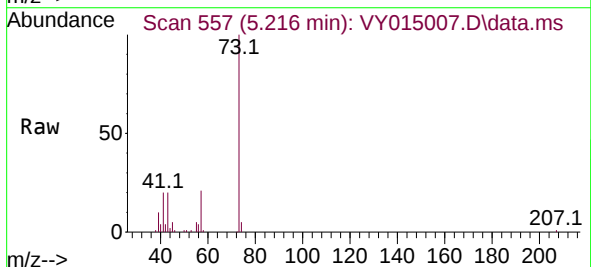
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z88-90

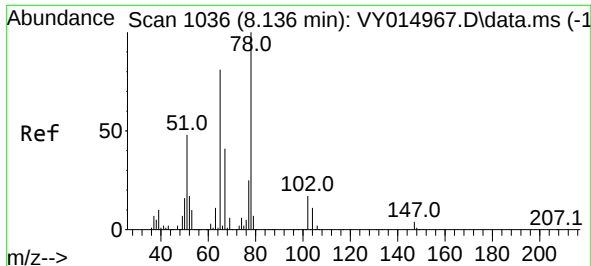
Tgt Ion: 76 Resp: 13967
Ion Ratio Lower Upper
76 100
78 12.8 7.0 10.4#



#19
Methyl tert-butyl Ether
Concen: 7.868 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.006 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion: 73 Resp: 55988
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9





#33

1,2-Dichloroethane-d4

Concen: 54.198 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015007.D

Acq: 09 Aug 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

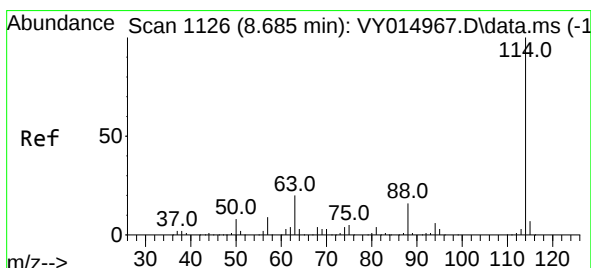
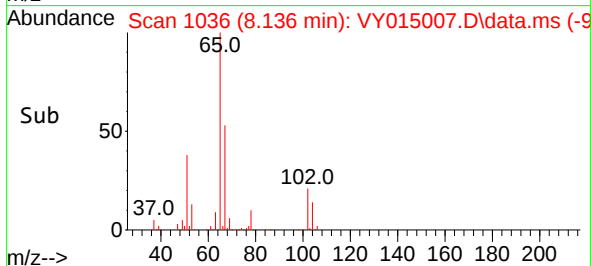
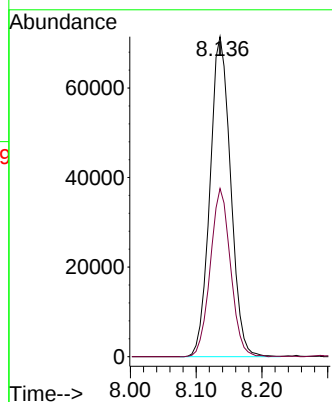
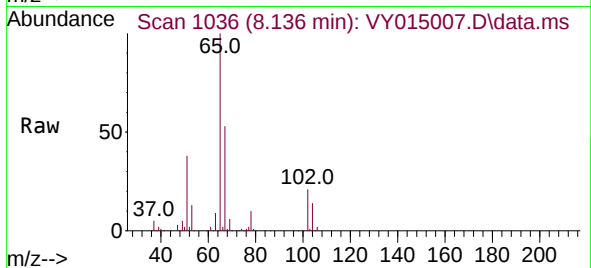
NEVINS-SB01-Z88-90

Tgt Ion: 65 Resp: 156316

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015007.D

Acq: 09 Aug 2023 15:54

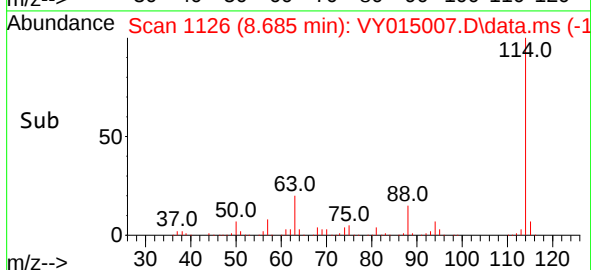
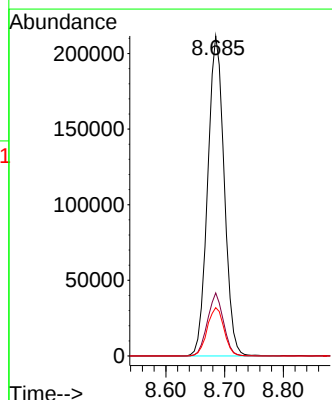
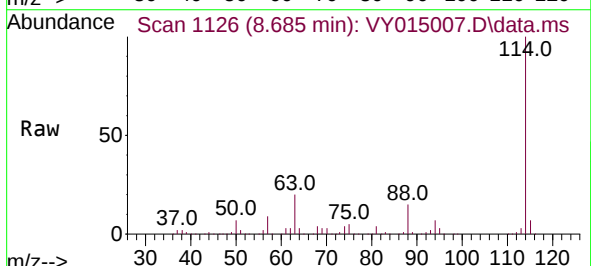
Tgt Ion: 114 Resp: 411864

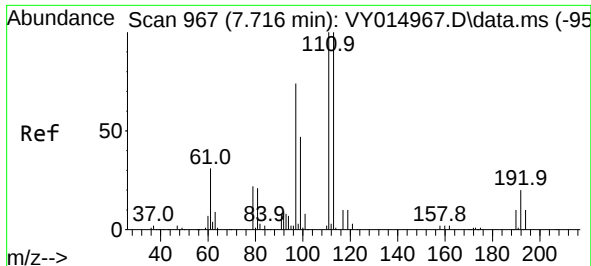
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.1 0.0 30.6

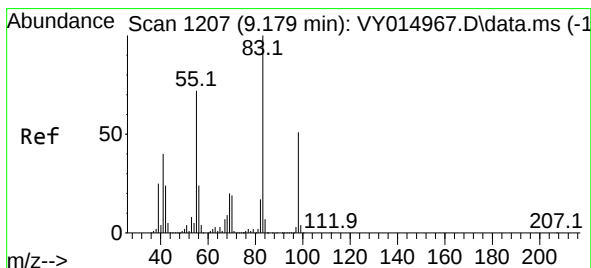
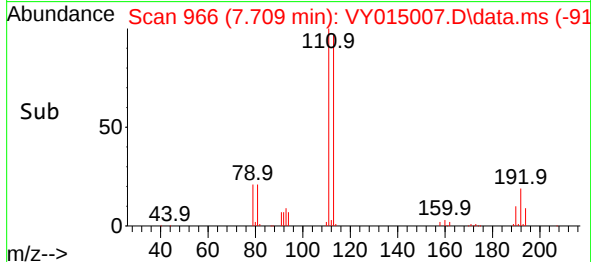
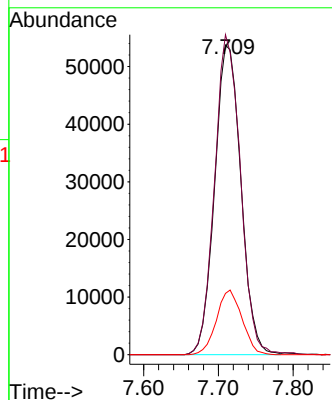
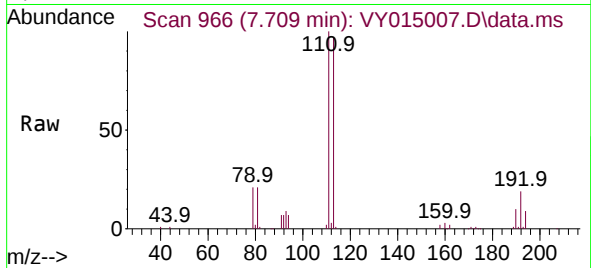




#35
Dibromofluoromethane
Concen: 49.814 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

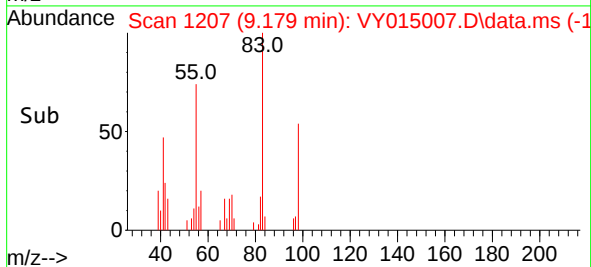
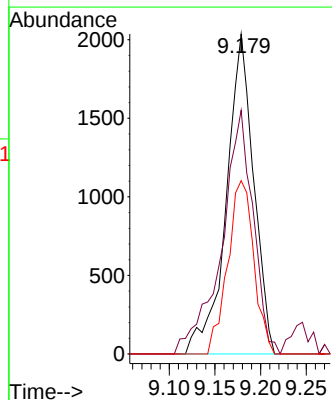
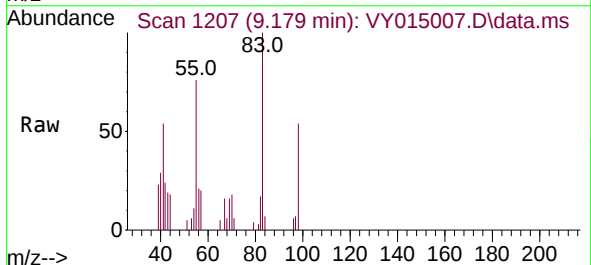
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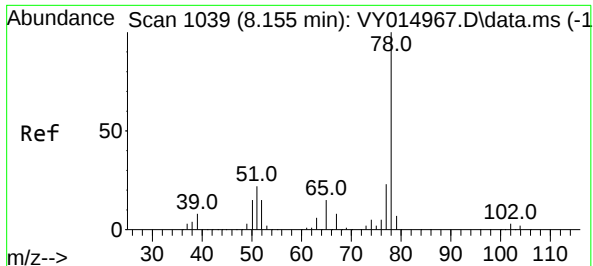
Tgt Ion:113 Resp: 131200
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 20.3 16.9 25.3



#39
Methylcyclohexane
Concen: 1.092 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion: 83 Resp: 4246
Ion Ratio Lower Upper
83 100
55 76.1 63.0 94.4
98 54.1 37.4 56.2

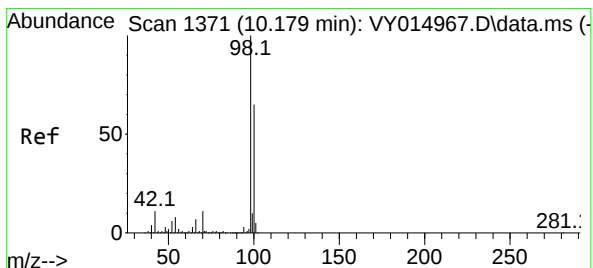
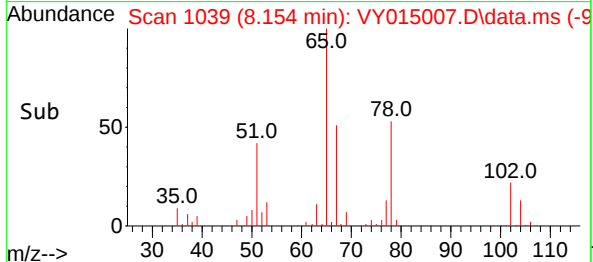
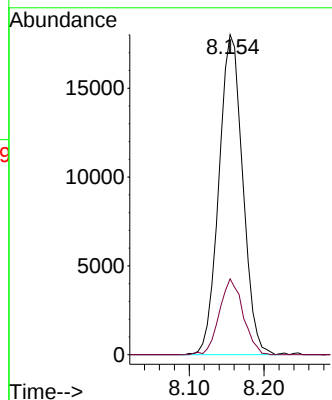
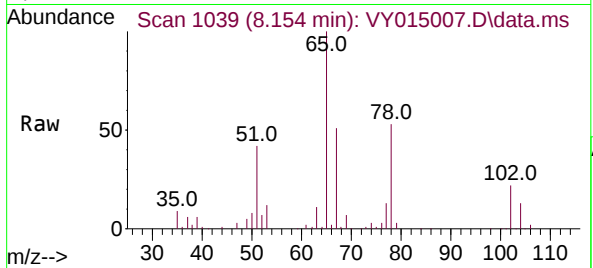




#40
Benzene
Concen: 4.155 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

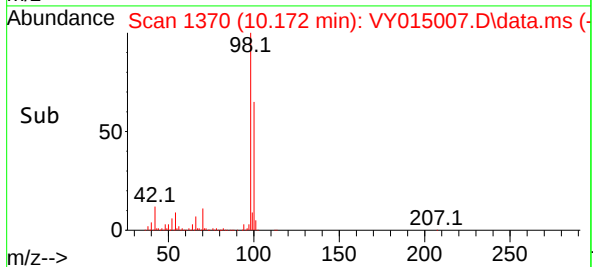
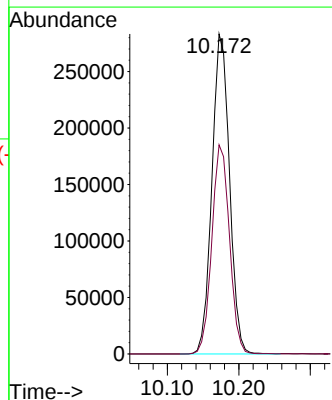
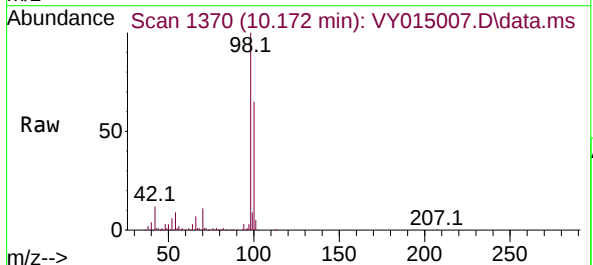
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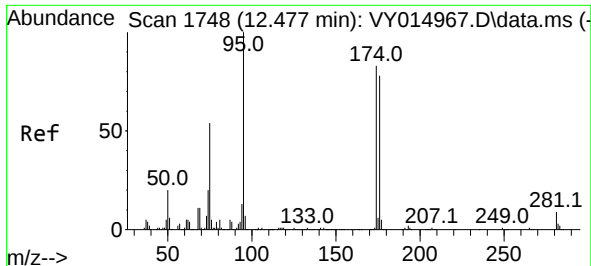
Tgt Ion: 78 Resp: 40008
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6



#50
Toluene-d8
Concen: 48.134 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion: 98 Resp: 482531
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

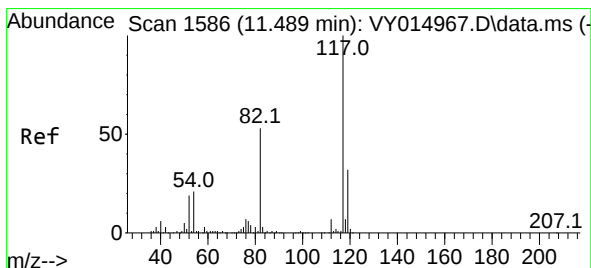
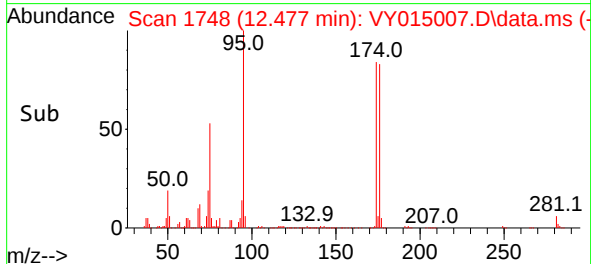
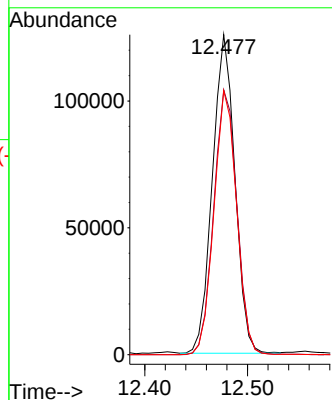
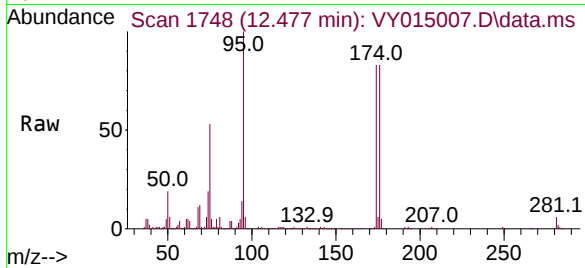




#62
4-Bromofluorobenzene
Concen: 53.712 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

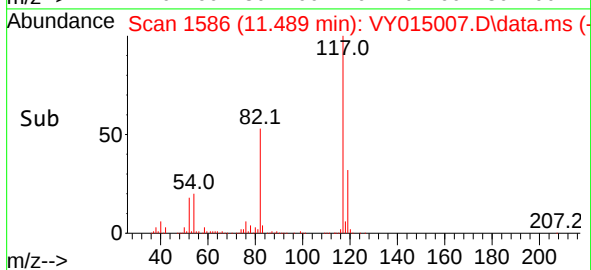
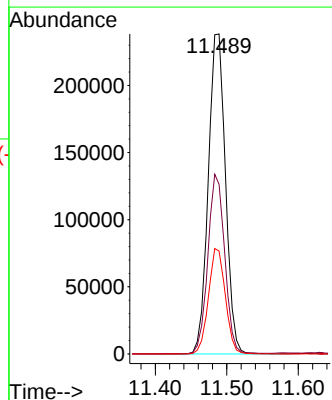
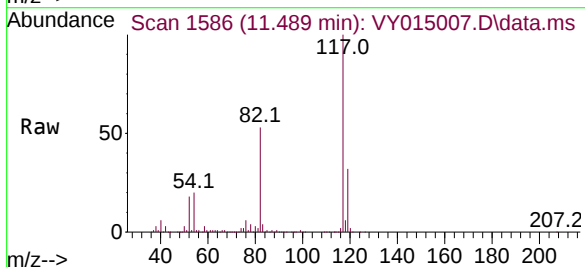
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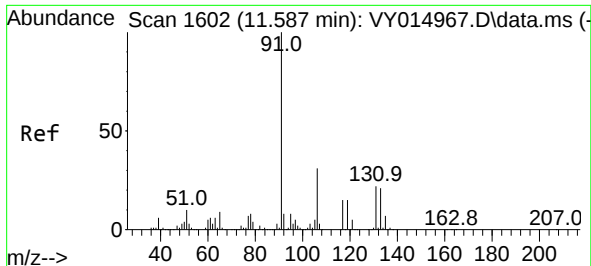
Tgt Ion: 95 Resp: 190836
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 83.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion: 117 Resp: 398342
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.1 26.3 39.5

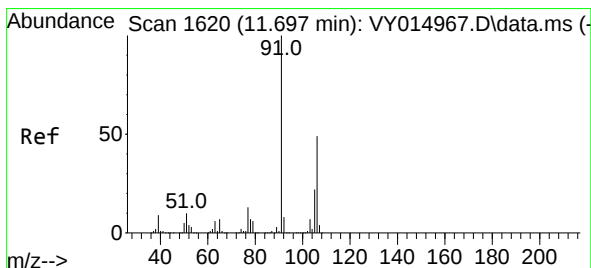
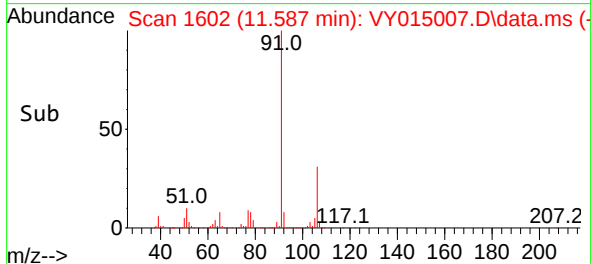
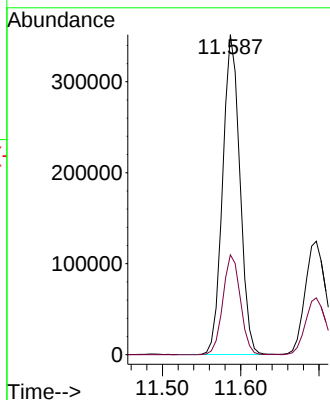
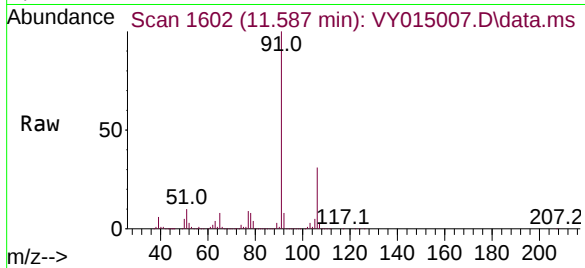




#67
Ethyl Benzene
Concen: 40.506 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

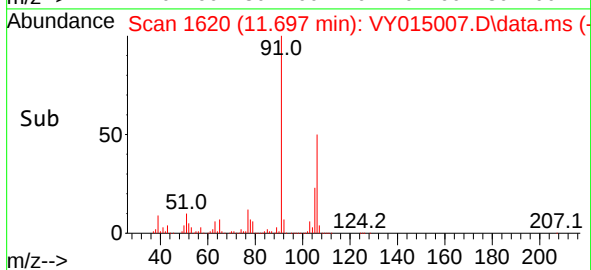
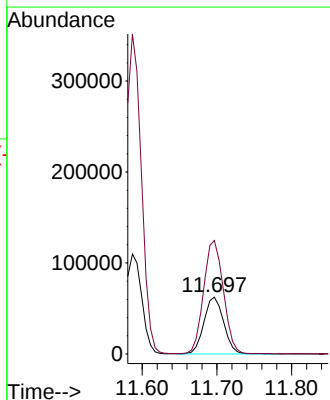
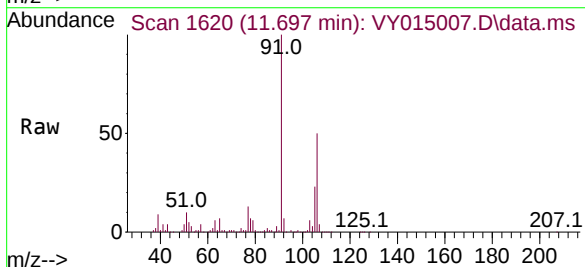
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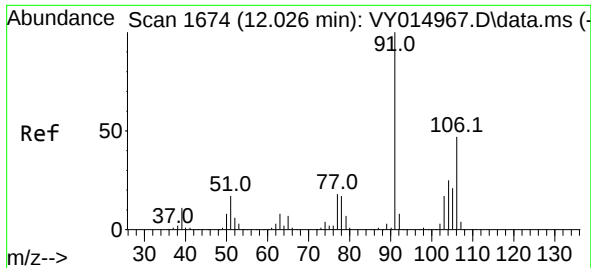
Tgt Ion: 91 Resp: 537314
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8



#68
m/p-Xylenes
Concen: 22.447 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion: 106 Resp: 113908
Ion Ratio Lower Upper
106 100
91 201.0 166.1 249.1

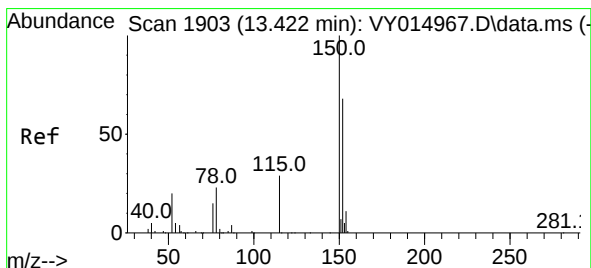
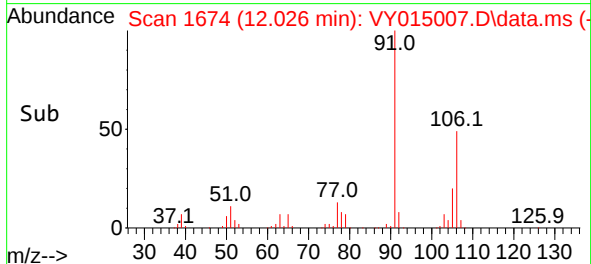
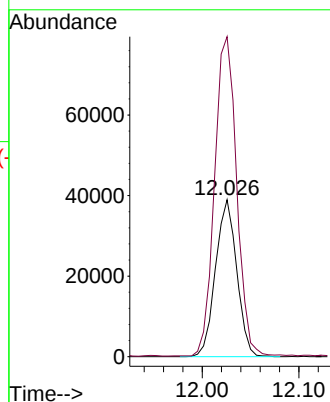
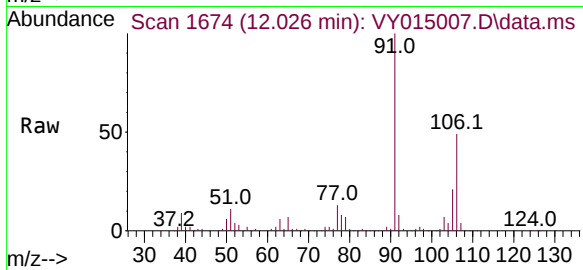




#69
o-Xylene
Concen: 11.944 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

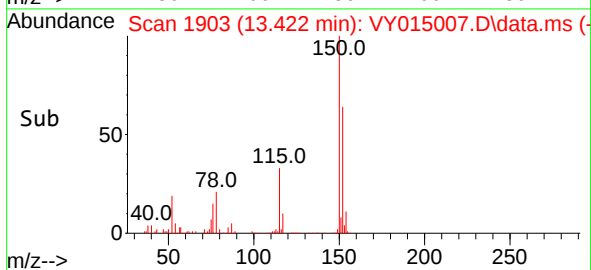
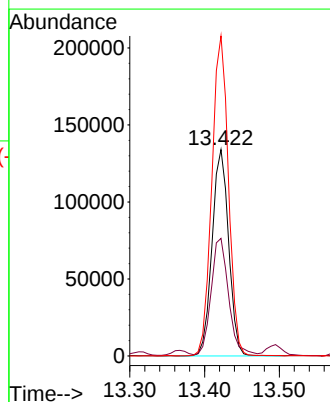
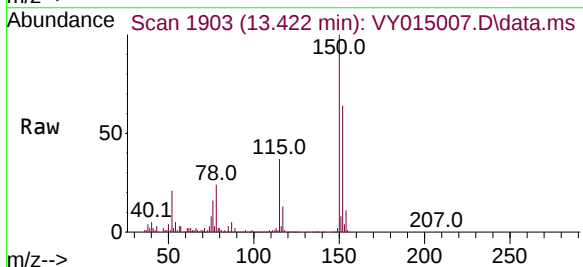
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z88-90

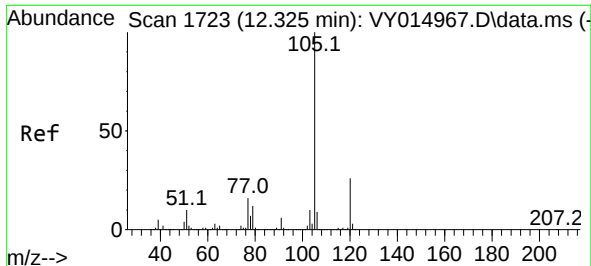
Tgt Ion:106 Resp: 59309
Ion Ratio Lower Upper
106 100
91 212.2 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion:152 Resp: 206894
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 154.6 0.0 348.8

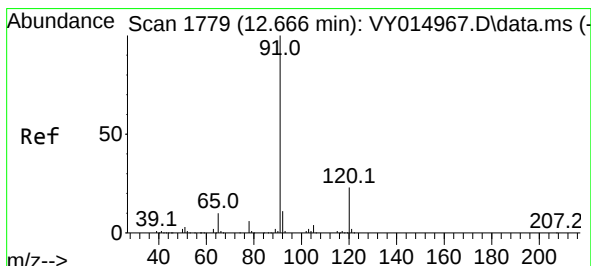
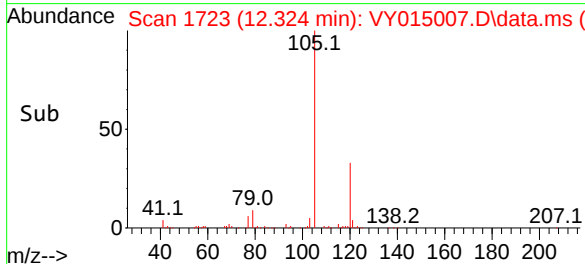
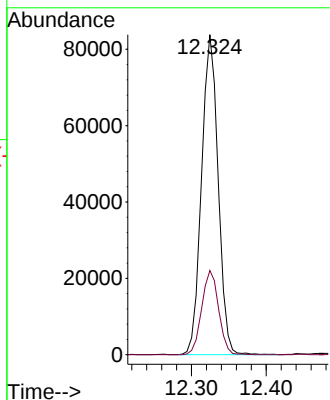
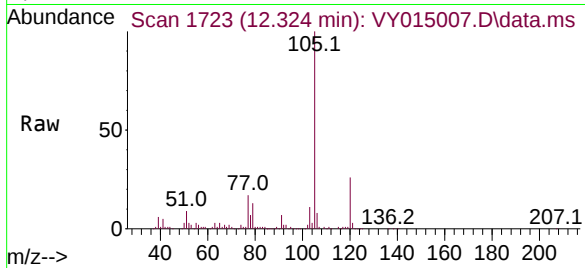




#73
Isopropylbenzene
Concen: 9.282 ug/l
RT: 12.324 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

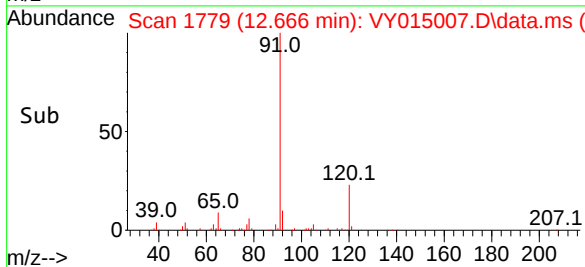
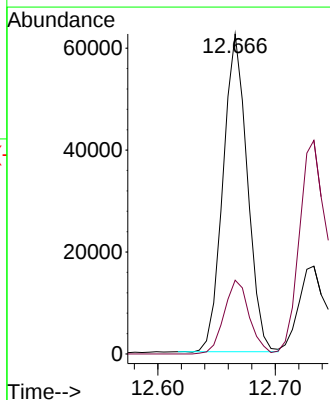
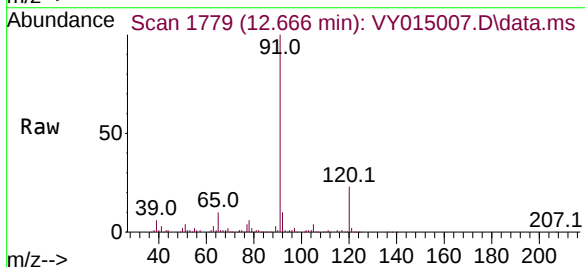
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z88-90

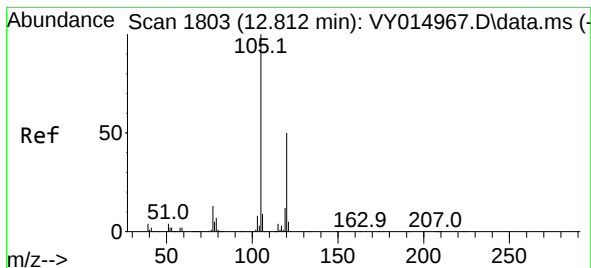
Tgt Ion:105 Resp: 129089
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.9



#78
n-propylbenzene
Concen: 5.389 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VY015007.D
Acq: 09 Aug 2023 15:54

Tgt Ion: 91 Resp: 89645
Ion Ratio Lower Upper
91 100
120 23.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 7.086 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY015007.D

Acq: 09 Aug 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

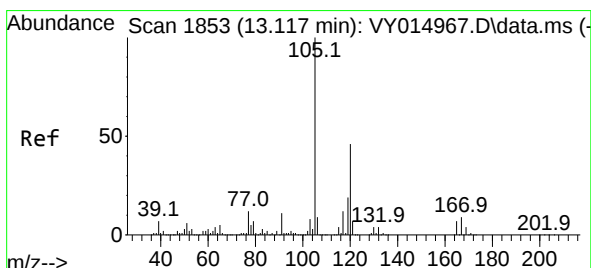
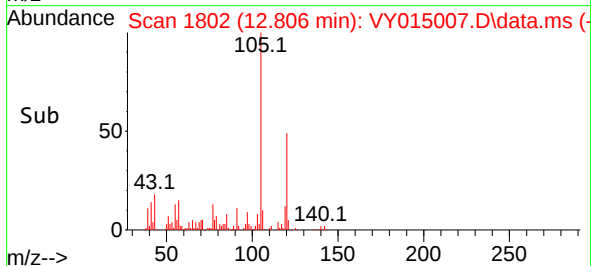
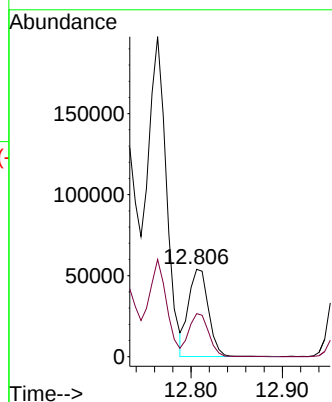
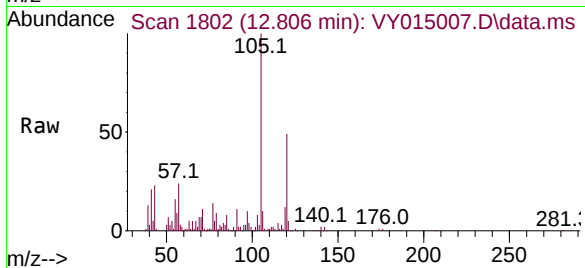
NEVINS-SB01-Z88-90

Tgt Ion:105 Resp: 81210

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 29.865 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY015007.D

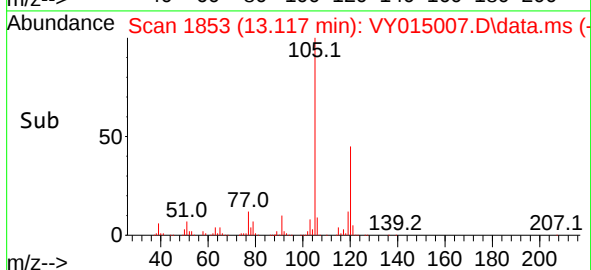
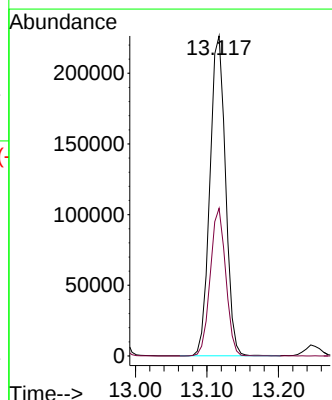
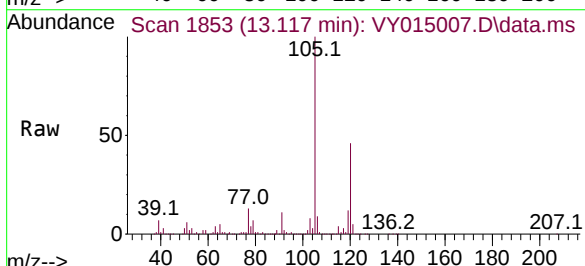
Acq: 09 Aug 2023 15:54

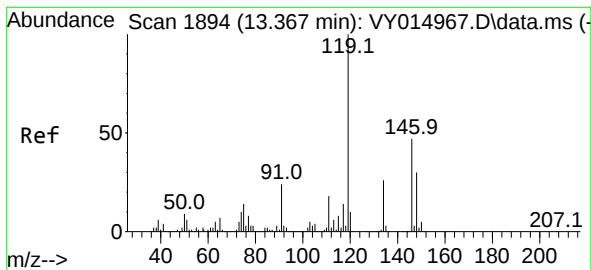
Tgt Ion:105 Resp: 342930

Ion Ratio Lower Upper

105 100

120 45.7 22.2 66.6





#86

p-Isopropyltoluene

Concen: 3.709 ug/l

RT: 13.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015007.D

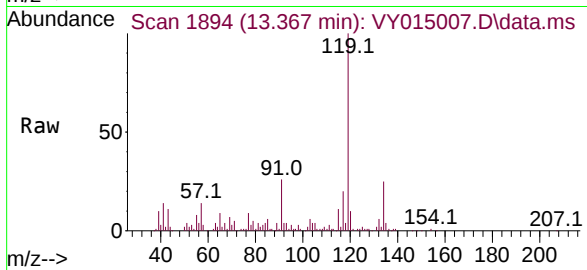
Acq: 09 Aug 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z88-90



Tgt Ion:119 Resp: 47243

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 27.1 12.4 37.4

