

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017060.D
 Acq On : 19 Jan 2024 16:56
 Operator : SY/MD
 Sample : P1203-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11977

Quant Time: Jan 19 22:24:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	106497	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	224345	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	213581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	84210	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	47082	44.730	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.460%
35) Dibromofluoromethane	7.746	113	51641	36.122	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	72.240%
50) Toluene-d8	10.197	98	197767	40.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.340%
62) 4-Bromofluorobenzene	12.502	95	65180	39.243	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.480%

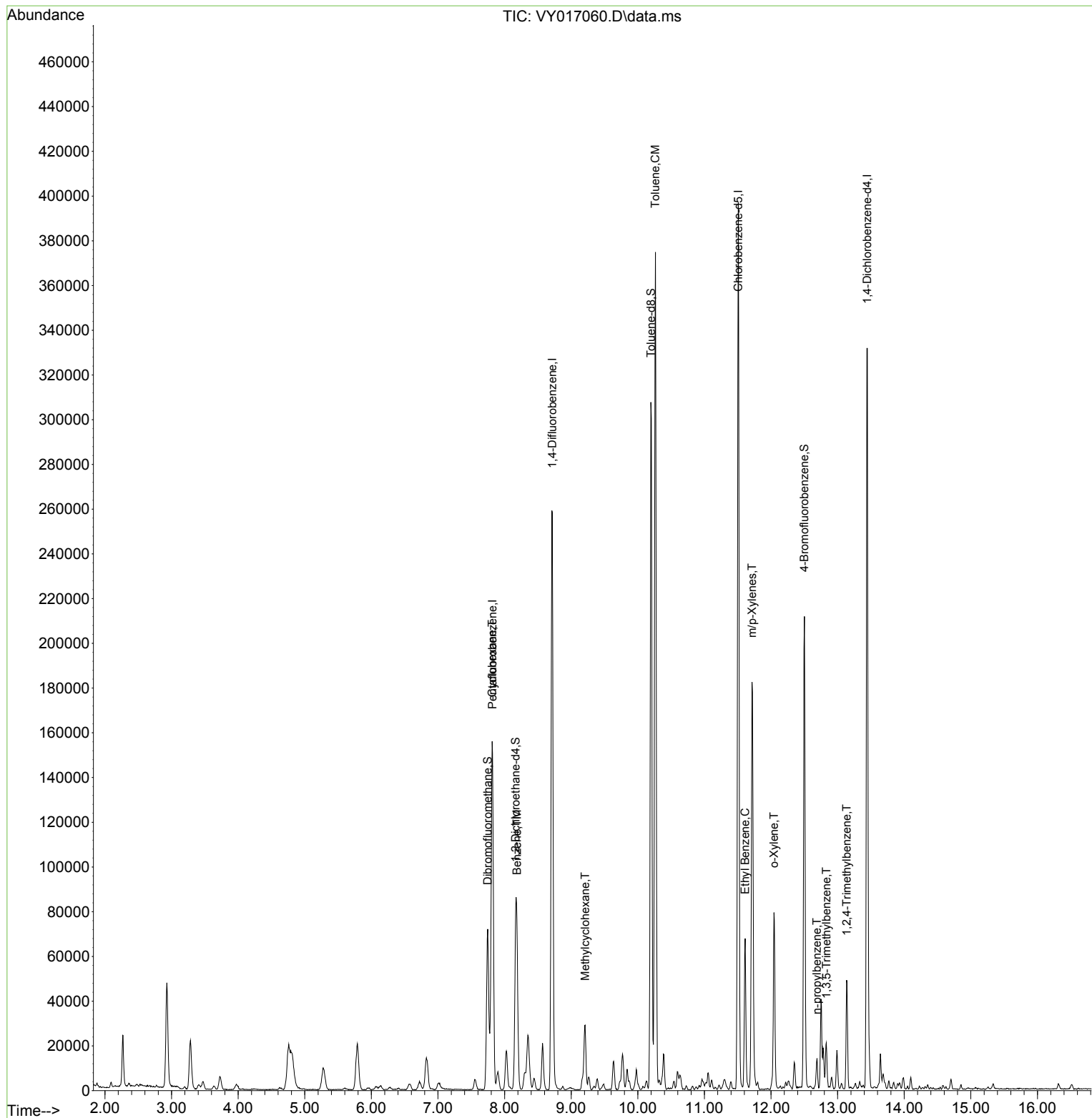
Target Compounds				Qvalue		
31) Cyclohexane	7.813	56	11874	6.573	ug/l #	80
39) Methylcyclohexane	9.209	83	10188	4.350	ug/l	97
40) Benzene	8.185	78	48073	7.692	ug/l	96
52) Toluene	10.264	92	155971	41.351	ug/l	100
67) Ethyl Benzene	11.611	91	45771	5.714	ug/l	97
68) m/p-Xylenes	11.715	106	55444	18.857	ug/l	98
69) o-Xylene	12.044	106	20768	7.534	ug/l	97
78) n-propylbenzene	12.691	91	10651	1.274	ug/l	98
80) 1,3,5-Trimethylbenzene	12.831	105	8384	1.542	ug/l	96
84) 1,2,4-Trimethylbenzene	13.136	105	26596	4.966	ug/l	98

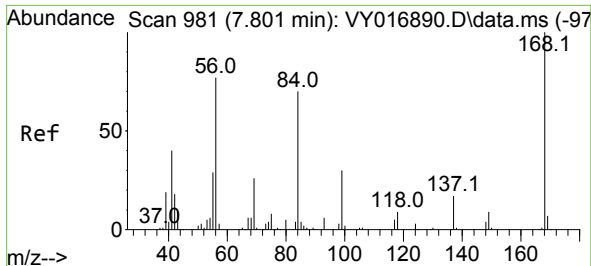
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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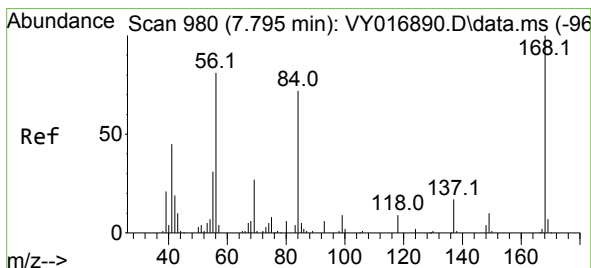
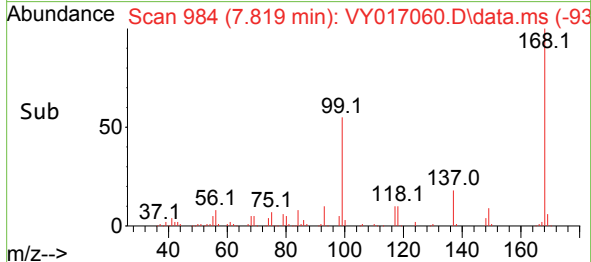
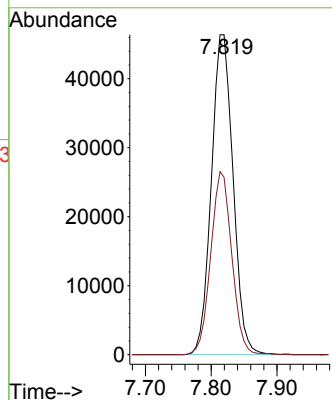
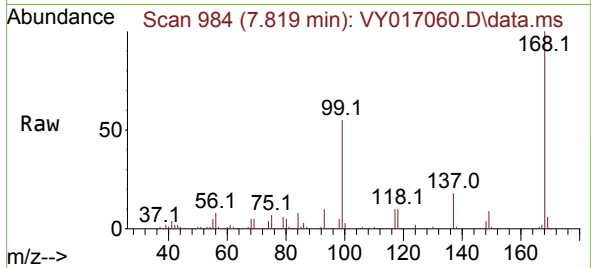




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

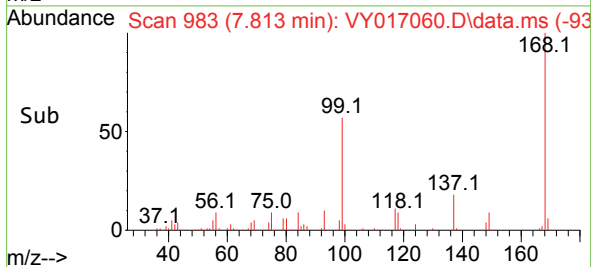
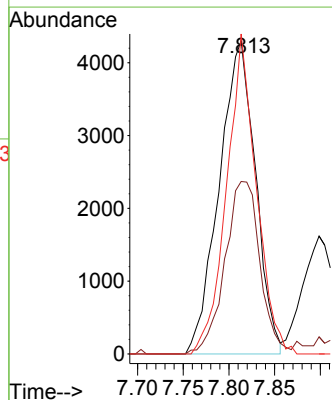
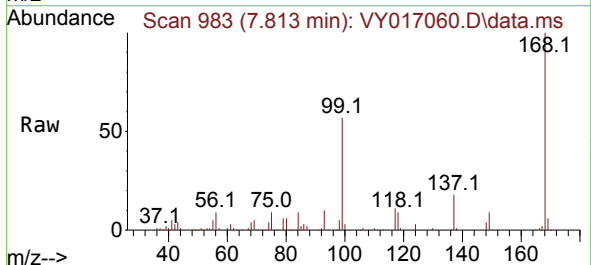
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

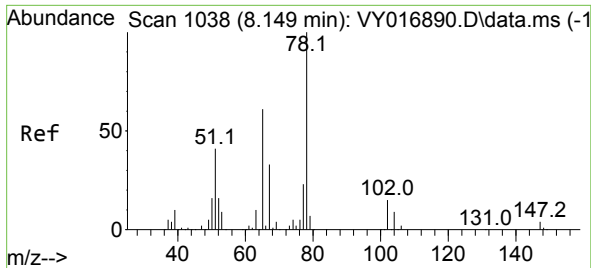
Tgt Ion:168 Resp: 106497
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#31
Cyclohexane
Concen: 6.573 ug/l
RT: 7.813 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

Tgt Ion: 56 Resp: 11874
Ion Ratio Lower Upper
56 100
69 55.1 27.0 40.6#
84 102.2 71.8 107.6

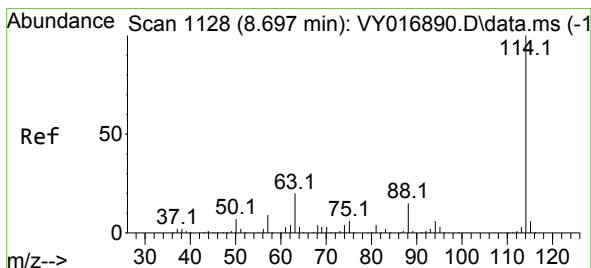
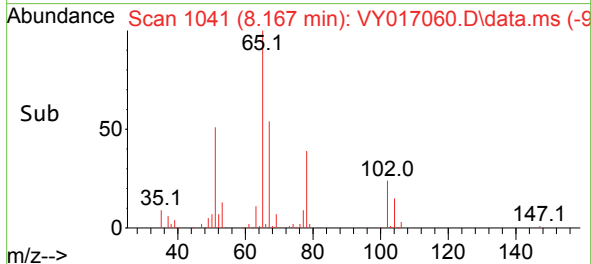
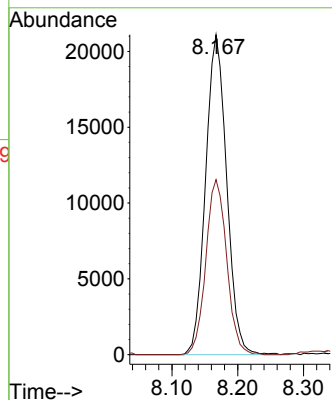
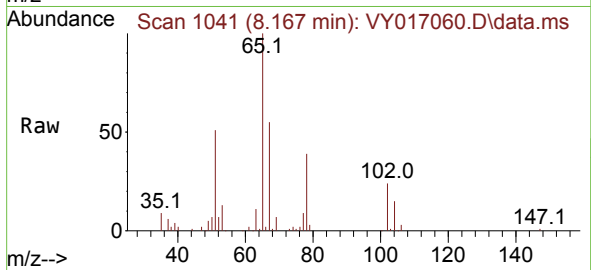




#33
 1,2-Dichloroethane-d4
 Concen: 44.730 ug/l
 RT: 8.167 min Scan# 110
 Delta R.T. 0.012 min
 Lab File: VY017060.D
 Acq: 19 Jan 2024 16:56

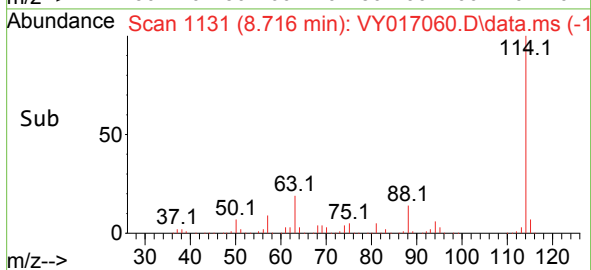
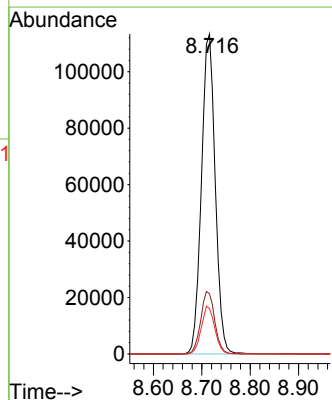
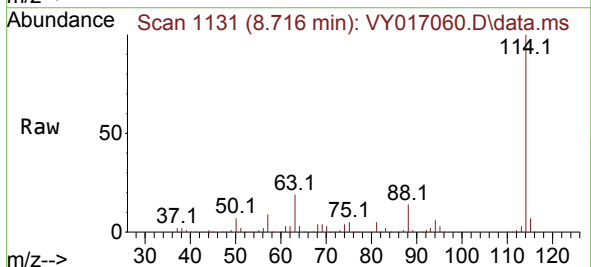
Instrument :
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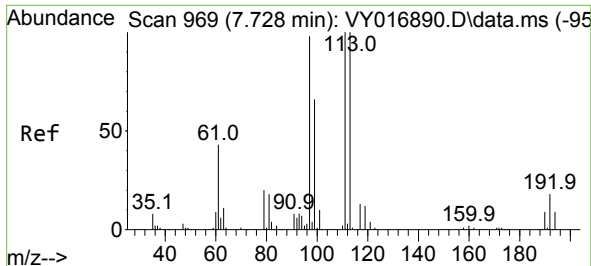
Tgt Ion: 65 Resp: 47082
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.716 min Scan# 1131
 Delta R.T. 0.013 min
 Lab File: VY017060.D
 Acq: 19 Jan 2024 16:56

Tgt Ion: 114 Resp: 224345
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.4
 88 14.1 0.0 29.0

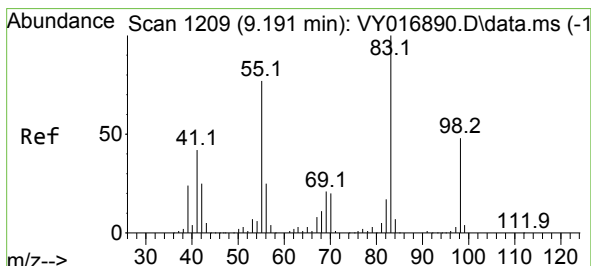
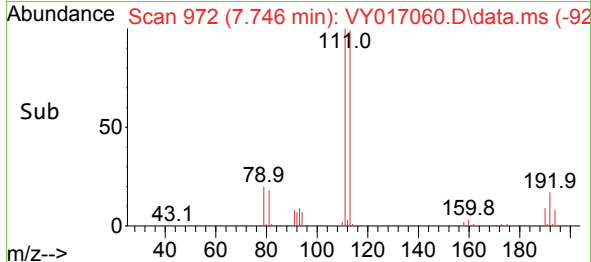
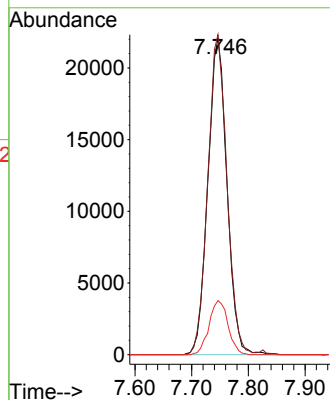
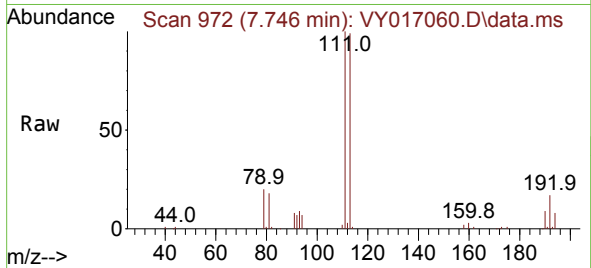




#35
Dibromofluoromethane
Concen: 36.122 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

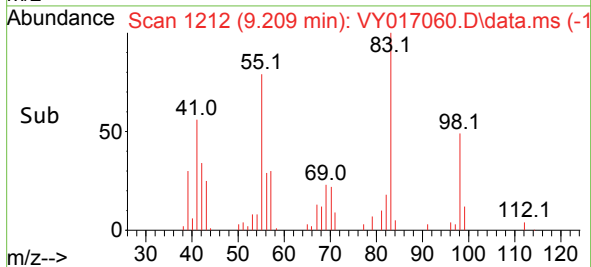
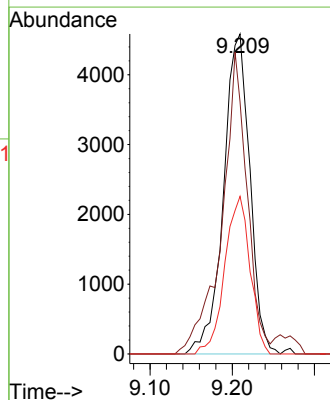
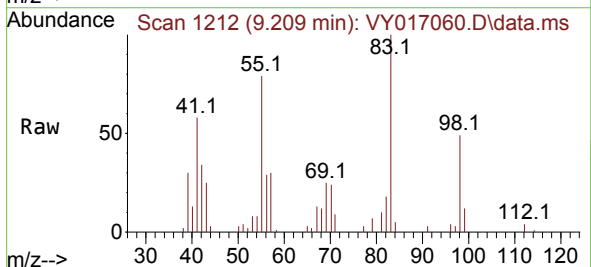
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

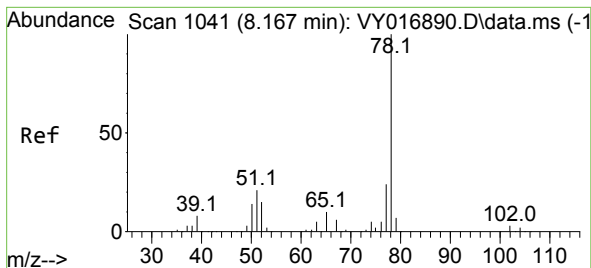
Tgt Ion:113 Resp: 51641
Ion Ratio Lower Upper
113 100
111 101.1 83.8 125.6
192 17.0 14.5 21.7



#39
Methylcyclohexane
Concen: 4.350 ug/l
RT: 9.209 min Scan# 1212
Delta R.T. 0.018 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

Tgt Ion: 83 Resp: 10188
Ion Ratio Lower Upper
83 100
55 77.4 59.7 89.5
98 49.3 38.0 57.0





#40

Benzene

Concen: 7.692 ug/l

RT: 8.185 min Scan# 1044

Delta R.T. 0.012 min

Lab File: VY017060.D

Acq: 19 Jan 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

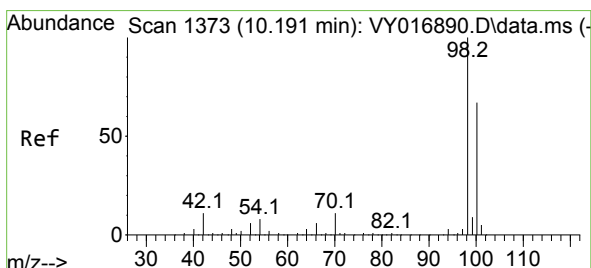
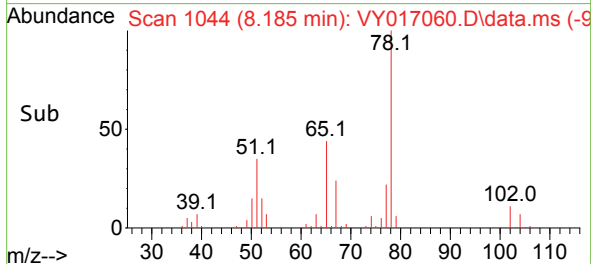
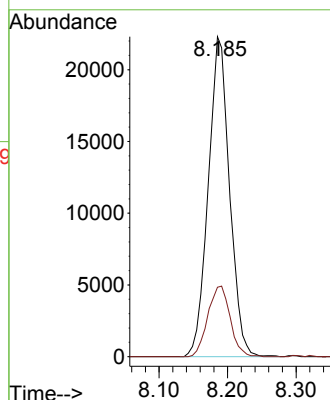
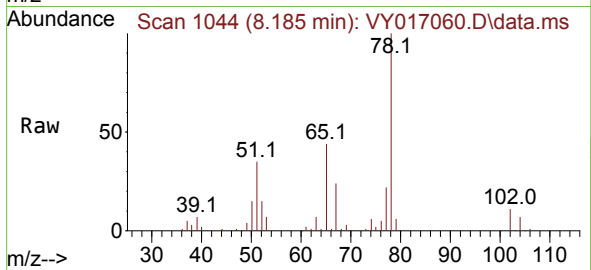
72-11977

Tgt Ion: 78 Resp: 48073

Ion Ratio Lower Upper

78 100

77 21.7 18.8 28.2



#50

Toluene-d8

Concen: 40.173 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY017060.D

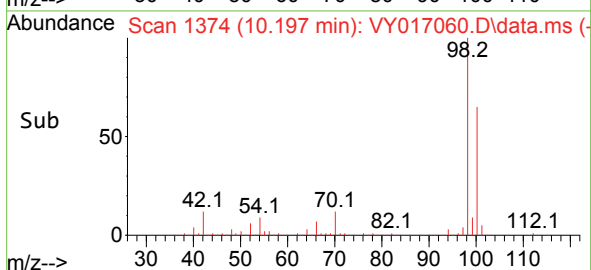
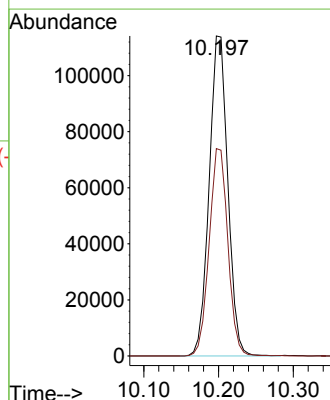
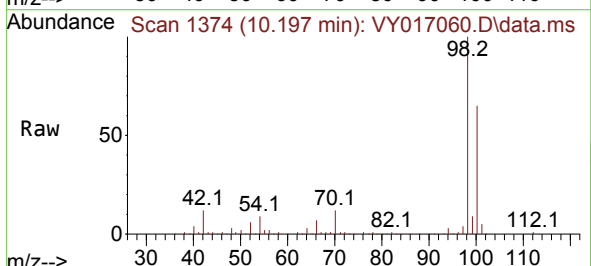
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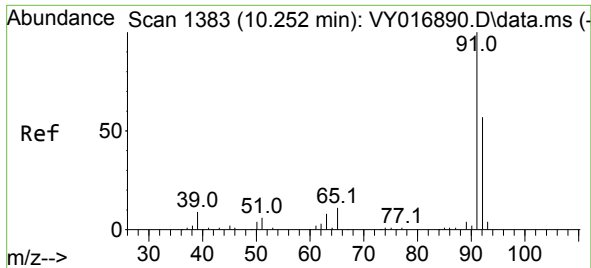
Tgt Ion: 98 Resp: 197767

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

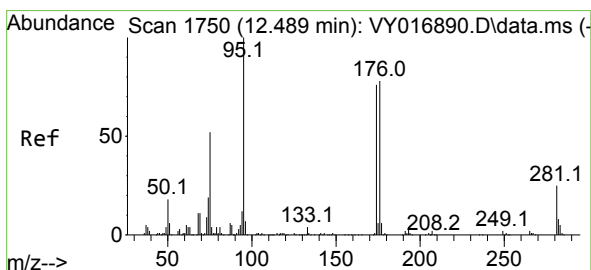
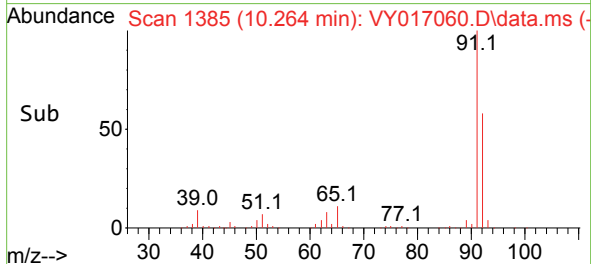
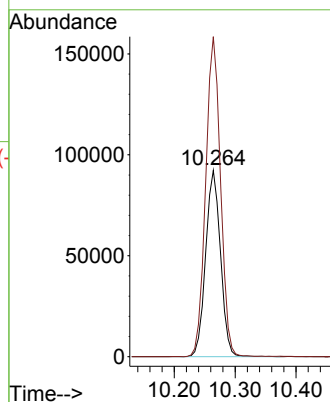
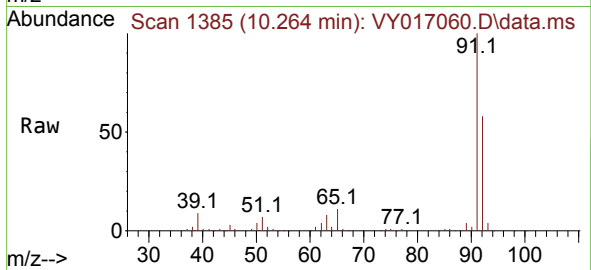




#52
Toluene
Concen: 41.351 ug/l
RT: 10.264 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

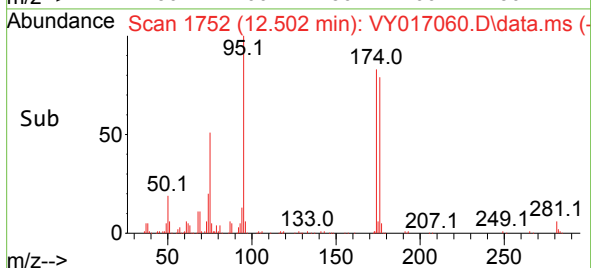
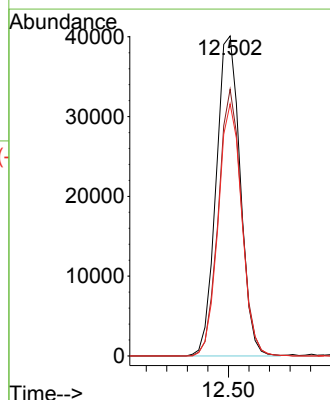
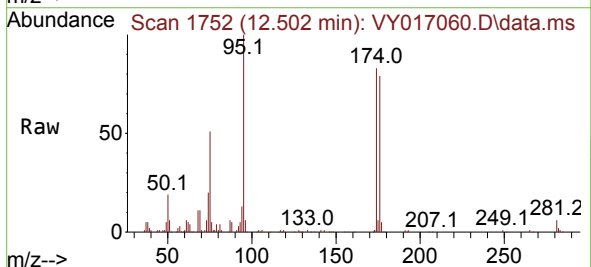
Instrument :
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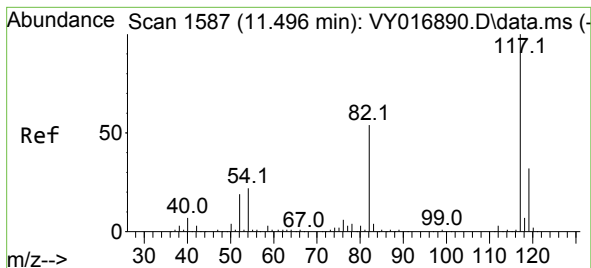
Tgt Ion: 92 Resp: 155971
Ion Ratio Lower Upper
92 100
91 171.9 137.6 206.4



#62
4-Bromofluorobenzene
Concen: 39.243 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.013 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

Tgt Ion: 95 Resp: 65180
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.0
176 77.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017060.D

Acq: 19 Jan 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

72-11977

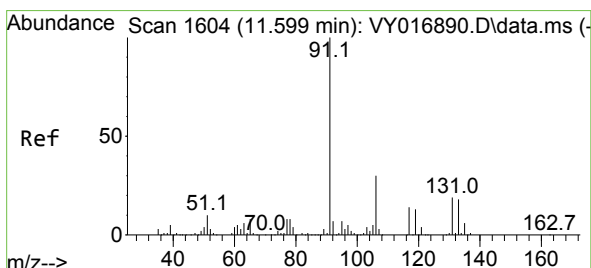
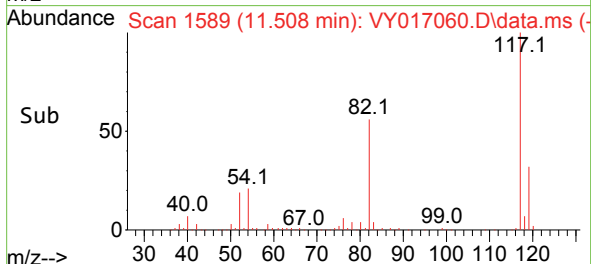
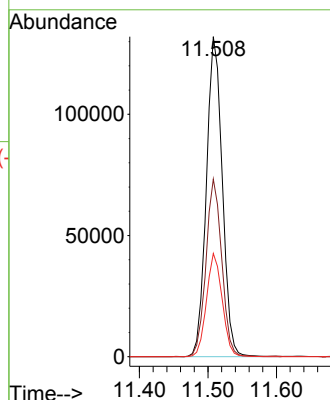
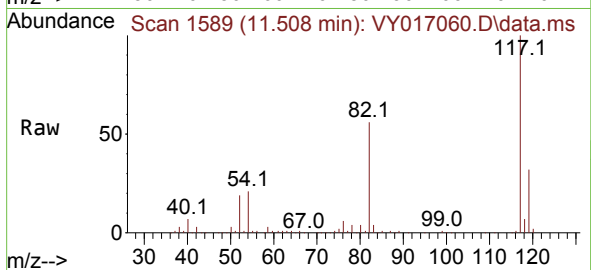
Tgt Ion:117 Resp: 213581

Ion Ratio Lower Upper

117 100

82 55.4 43.8 65.8

119 32.3 26.5 39.7



#67

Ethyl Benzene

Concen: 5.714 ug/l

RT: 11.611 min Scan# 1606

Delta R.T. 0.012 min

Lab File: VY017060.D

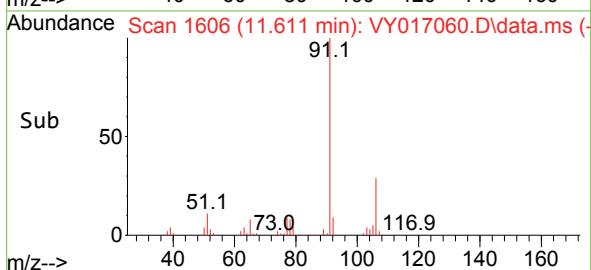
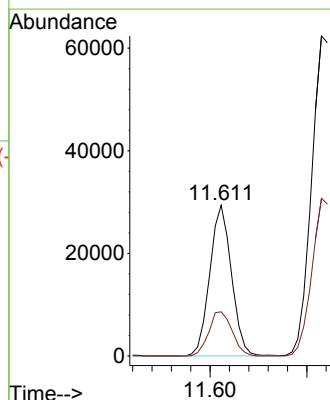
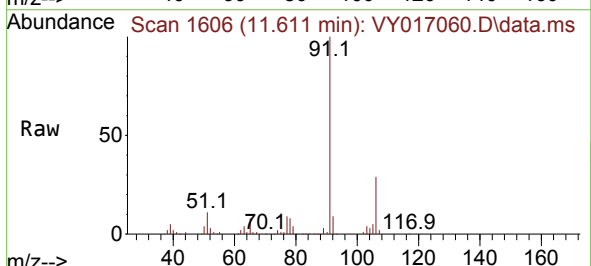
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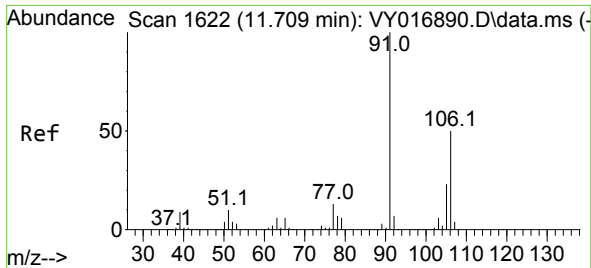
Tgt Ion: 91 Resp: 45771

Ion Ratio Lower Upper

91 100

106 29.3 25.0 37.4

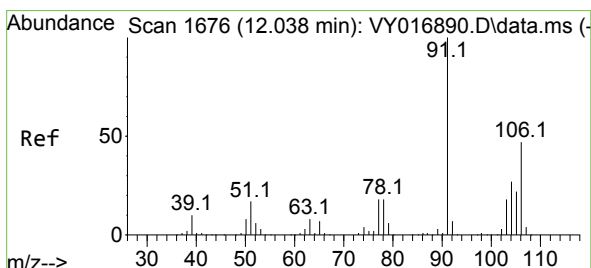
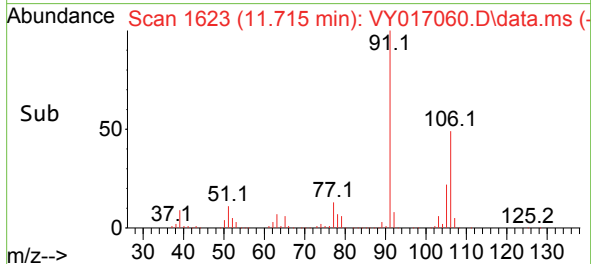
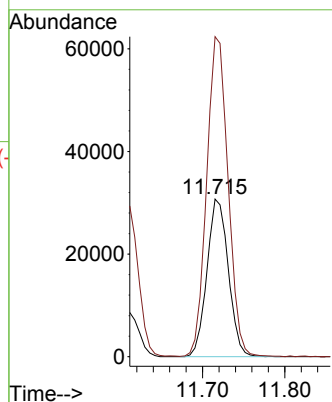
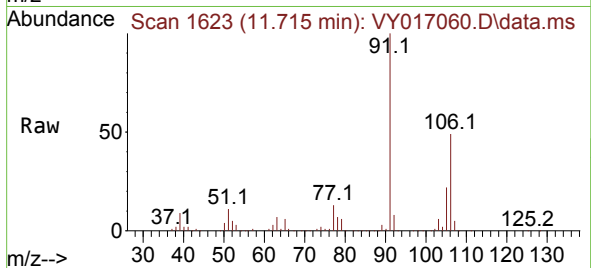




#68
m/p-Xylenes
Concen: 18.857 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

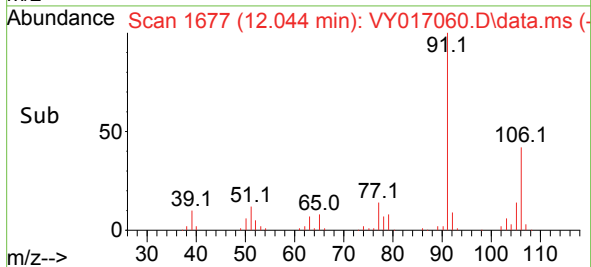
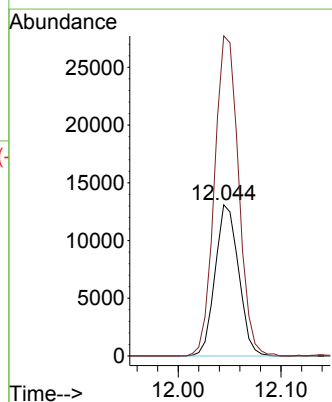
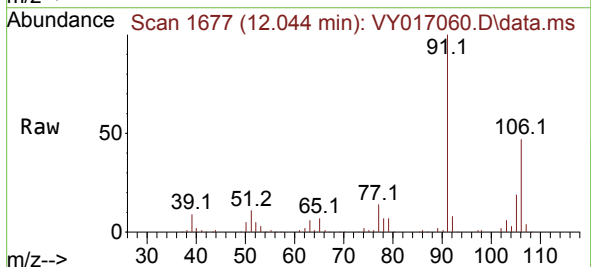
Instrument :
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72-11977

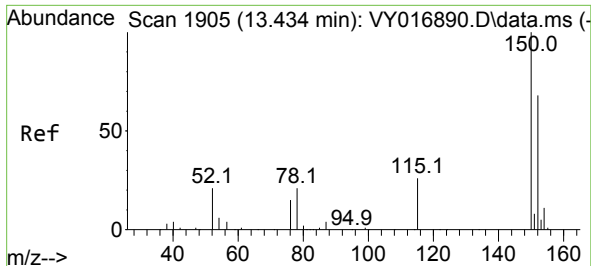
Tgt Ion:106 Resp: 55444
Ion Ratio Lower Upper
106 100
91 203.6 160.7 241.1



#69
o-Xylene
Concen: 7.534 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

Tgt Ion:106 Resp: 20768
Ion Ratio Lower Upper
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91 217.4 106.5 319.5

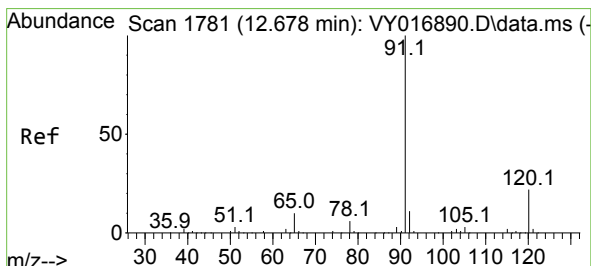
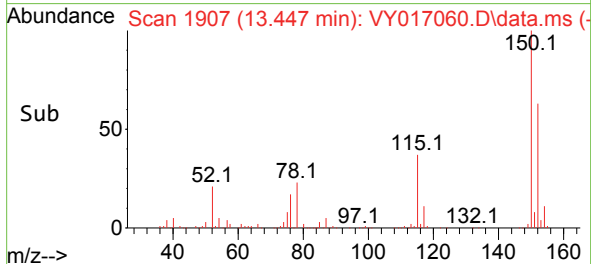
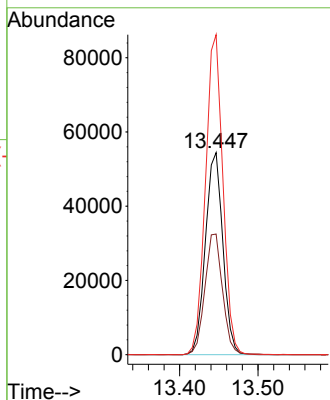
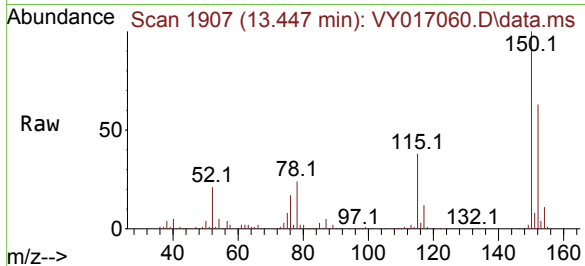




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.013 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

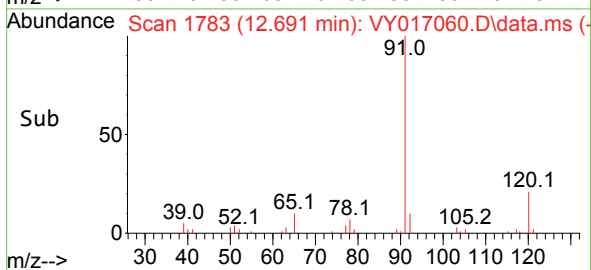
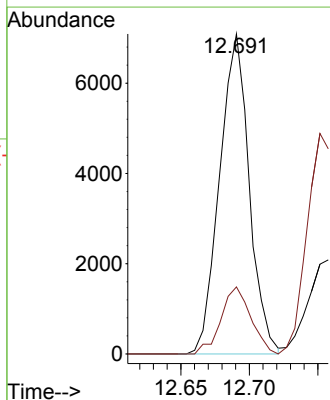
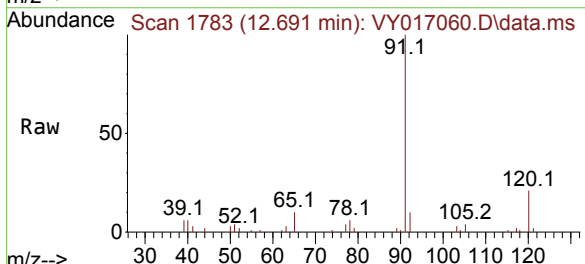
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

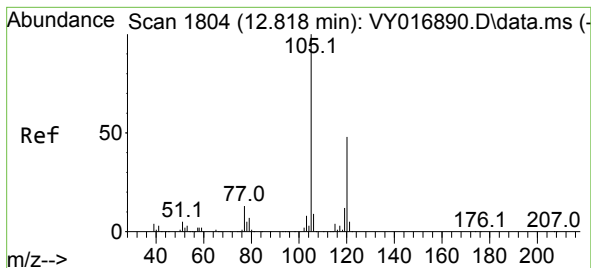
Tgt Ion:152 Resp: 84210
Ion Ratio Lower Upper
152 100
115 60.4 30.0 90.0
150 157.3 0.0 344.6



#78
n-propylbenzene
Concen: 1.274 ug/l
RT: 12.691 min Scan# 1783
Delta R.T. 0.013 min
Lab File: VY017060.D
Acq: 19 Jan 2024 16:56

Tgt Ion: 91 Resp: 10651
Ion Ratio Lower Upper
91 100
120 21.1 11.0 33.0





#80

1,3,5-Trimethylbenzene

Concen: 1.542 ug/l

RT: 12.831 min Scan# 1806

Delta R.T. 0.013 min

Lab File: VY017060.D

Acq: 19 Jan 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

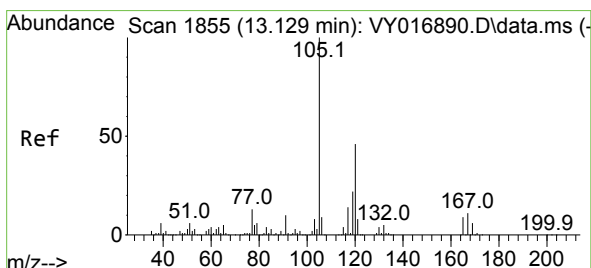
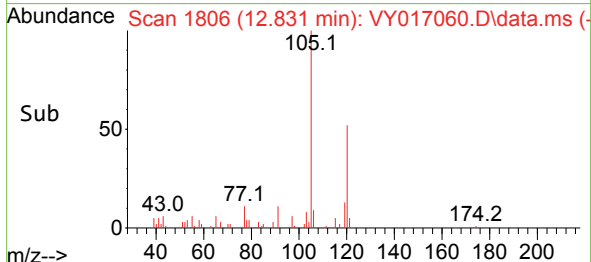
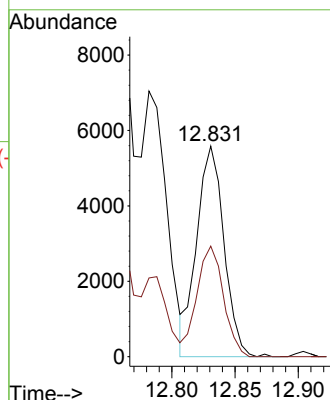
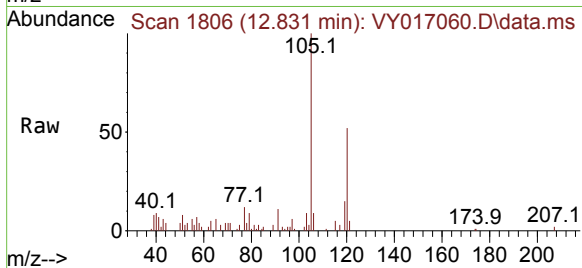
72-11977

Tgt Ion:105 Resp: 8384

Ion Ratio Lower Upper

105 100

120 51.2 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 4.966 ug/l

RT: 13.136 min Scan# 1856

Delta R.T. 0.007 min

Lab File: VY017060.D

Acq: 19 Jan 2024 16:56

Tgt Ion:105 Resp: 26596

Ion Ratio Lower Upper

105 100

120 45.6 22.1 66.3

