

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040524\
 Data File : VY017871.D
 Acq On : 05 Apr 2024 15:17
 Operator : SY/MD
 Sample : P1995-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-23-00119

Quant Time: Apr 06 04:48:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

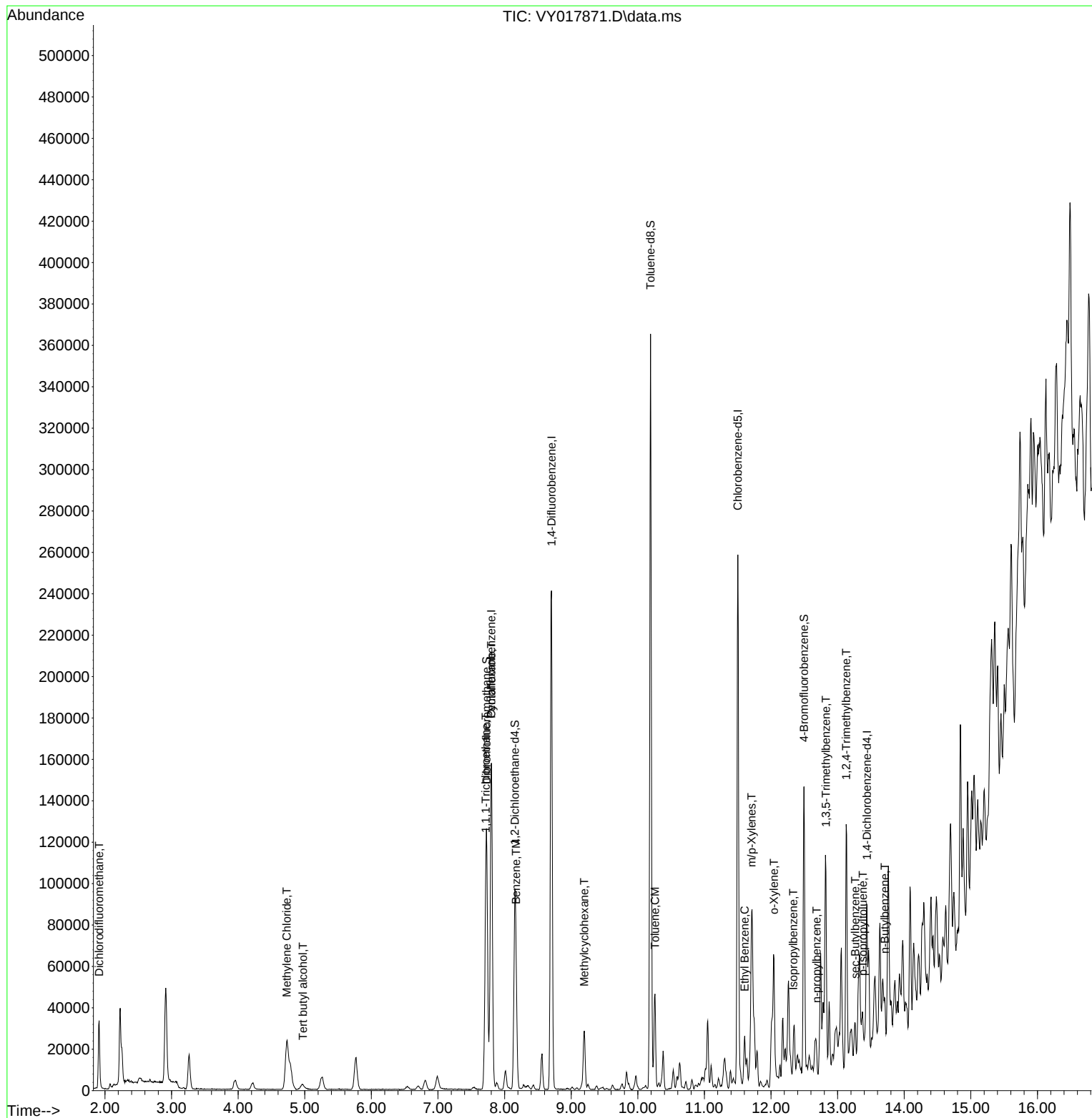
Internal Standards						
1) Pentafluorobenzene	7.801	168	114583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	211021	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	136772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	18721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	60961	61.482	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.960%	
35) Dibromofluoromethane	7.728	113	67108	55.035	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.060%	
50) Toluene-d8	10.191	98	221624	48.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.495	95	35040	25.285	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 50.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	27435	35.802	ug/l	100
11) Tert butyl alcohol	4.972	59	4498	29.874	ug/l #	91
20) Methylene Chloride	4.729	84	17933	12.275	ug/l	92
31) Cyclohexane	7.801	56	8554	4.897	ug/l #	67
32) 1,1,1-Trichloroethane	7.716	97	31845	17.913	ug/l	95
39) Methylcyclohexane	9.197	83	11015	4.956	ug/l	97
40) Benzene	8.173	78	36780	6.708	ug/l	98
52) Toluene	10.258	92	18718	5.628	ug/l	94
67) Ethyl Benzene	11.605	91	14471	3.000	ug/l	98
68) m/p-Xylenes	11.709	106	23536	12.867	ug/l	100
69) o-Xylene	12.044	106	12511	7.454	ug/l	95
73) Isopropylbenzene	12.337	105	5225	3.983	ug/l	90
78) n-propylbenzene	12.684	91	9727	6.076	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	20494	20.016	ug/l	96
84) 1,2,4-Trimethylbenzene	13.129	105	60123	58.959	ug/l	99
85) sec-Butylbenzene	13.264	105	5774	4.133	ug/l	87
86) p-Isopropyltoluene	13.379	119	6136	5.254	ug/l	94
89) n-Butylbenzene	13.709	91	3469	3.229	ug/l #	75

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

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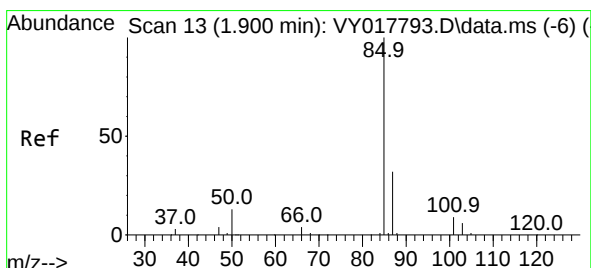
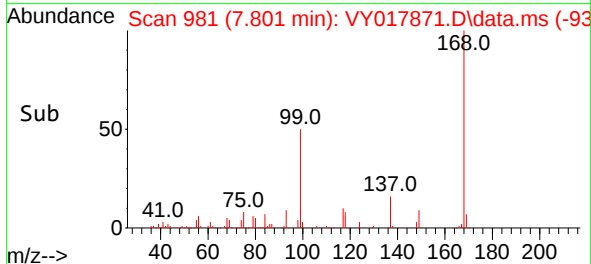
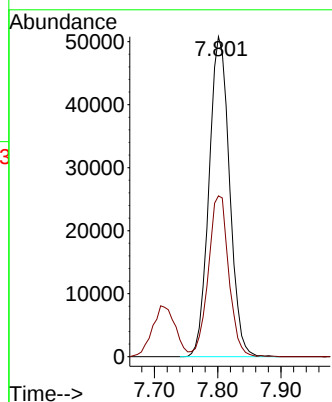
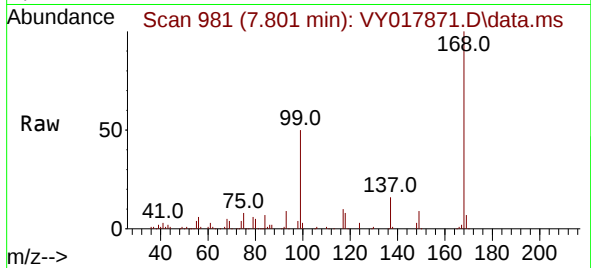




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

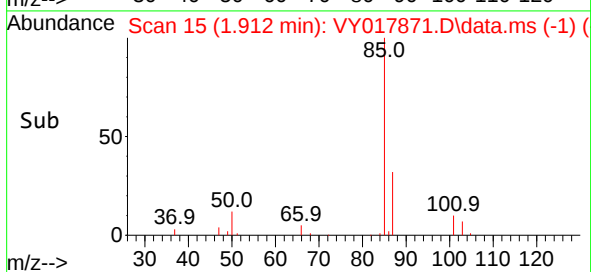
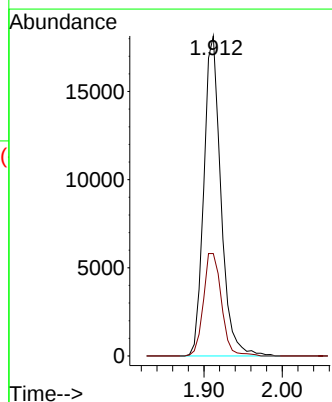
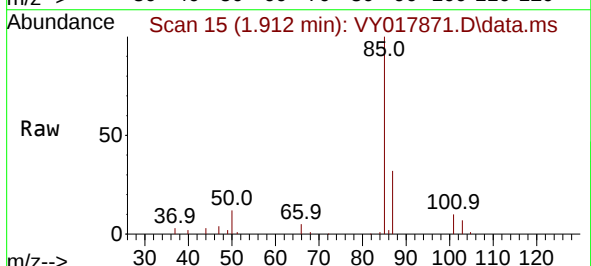
Instrument :
MSVOA_Y
ClientSampleId :
MOO-23-00119

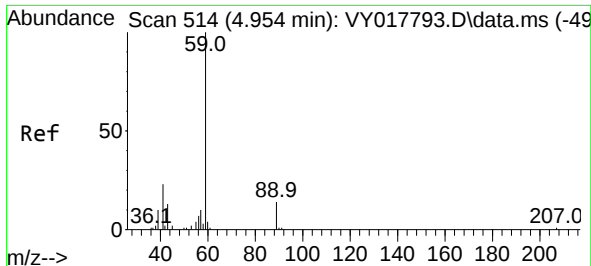
Tgt Ion:168 Resp: 114583
Ion Ratio Lower Upper
168 100
99 50.2 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 35.802 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

Tgt Ion: 85 Resp: 27435
Ion Ratio Lower Upper
85 100
87 32.0 16.0 48.0

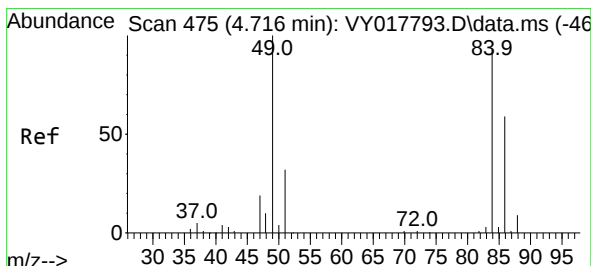
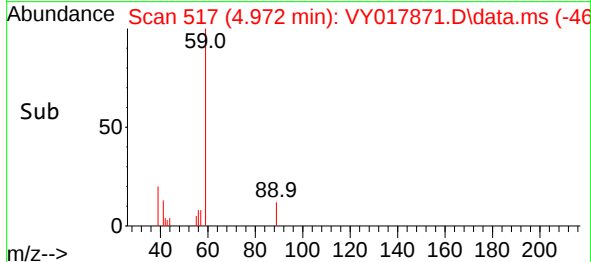
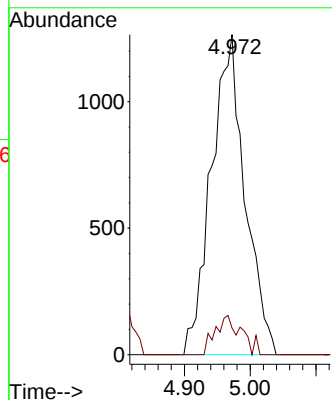
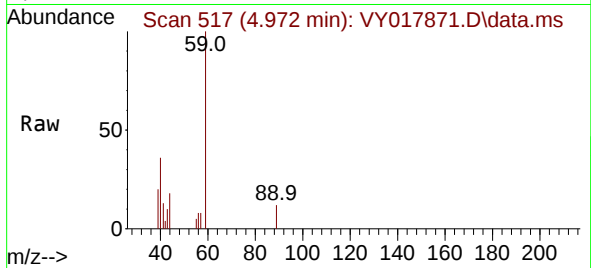




#11
Tert butyl alcohol
Concen: 29.874 ug/l
RT: 4.972 min Scan# 514
Delta R.T. 0.018 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

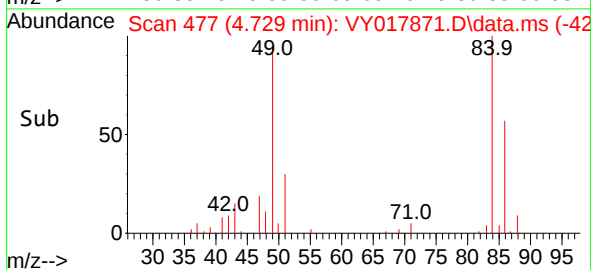
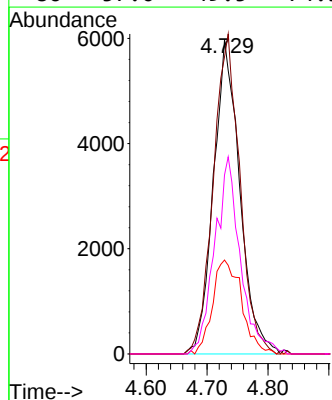
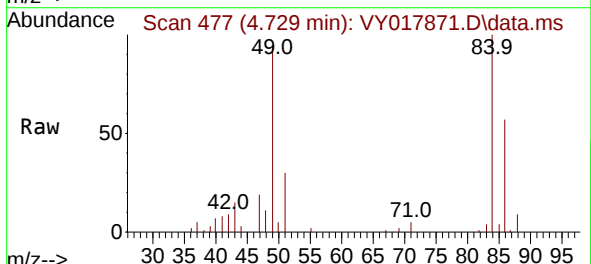
Instrument :
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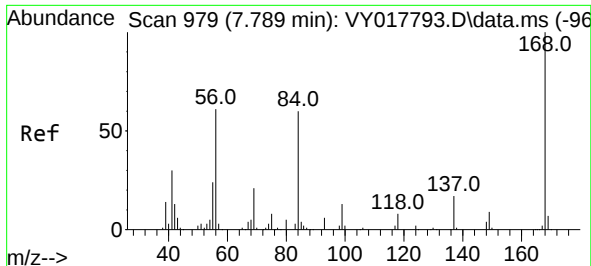
Tgt Ion: 59 Resp: 4498
Ion Ratio Lower Upper
59 100
57 6.7 3.0 4.6#



#20
Methylene Chloride
Concen: 12.275 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

Tgt Ion: 84 Resp: 17933
Ion Ratio Lower Upper
84 100
49 94.5 84.4 126.6
51 29.9 26.0 39.0
86 57.0 49.5 74.3

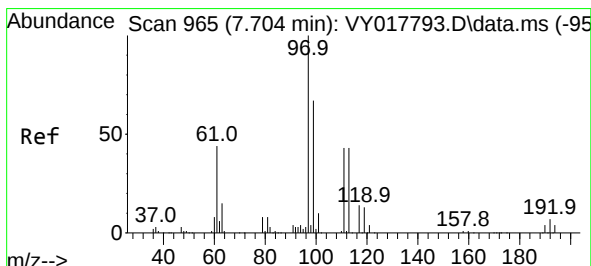
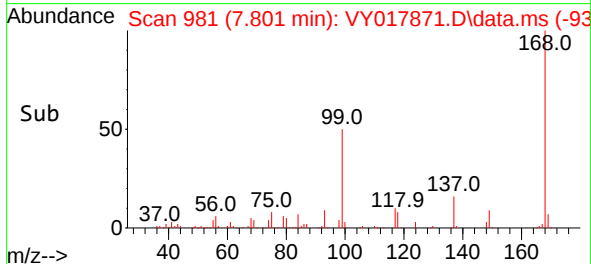
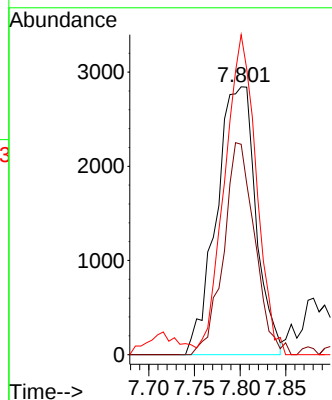
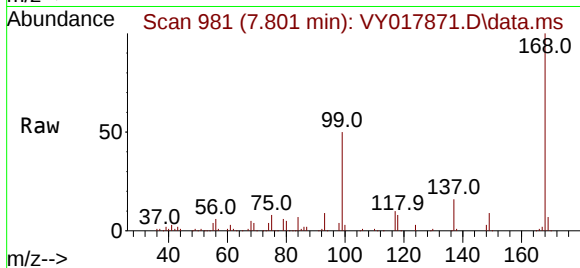




#31
Cyclohexane
Concen: 4.897 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

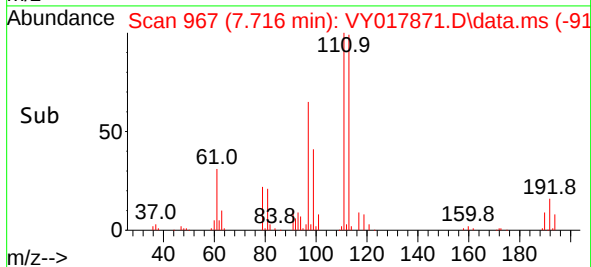
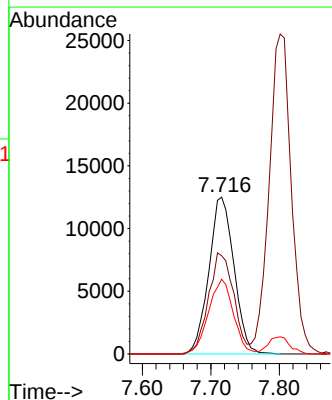
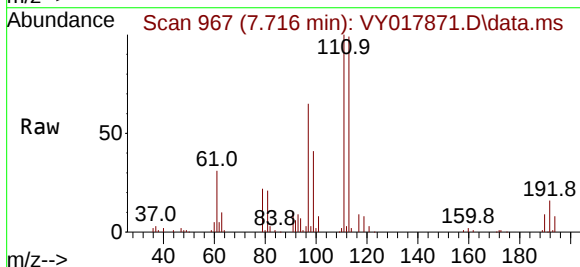
Instrument :
MSVOA_Y
ClientSampleId :
MOO-23-00119

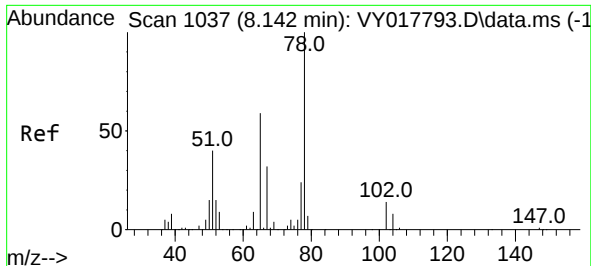
Tgt Ion: 56 Resp: 8554
Ion Ratio Lower Upper
56 100
69 78.6 28.7 43.1#
84 115.6 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 17.913 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.012 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

Tgt Ion: 97 Resp: 31845
Ion Ratio Lower Upper
97 100
99 64.2 50.3 75.5
61 47.1 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 61.482 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.012 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

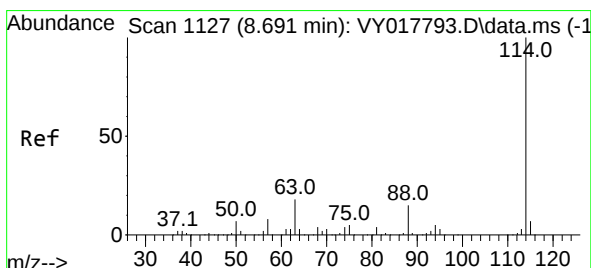
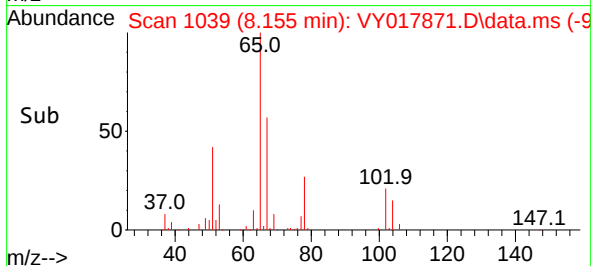
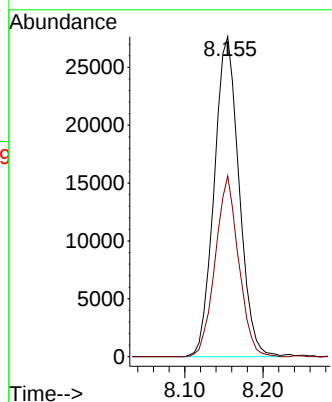
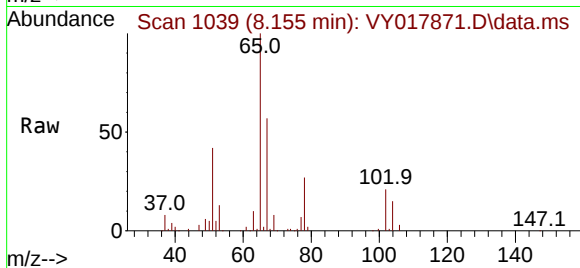
MOO-23-00119

Tgt Ion: 65 Resp: 60961

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

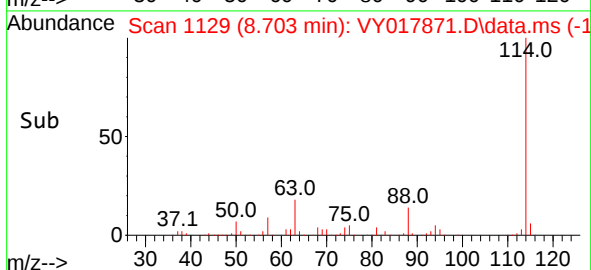
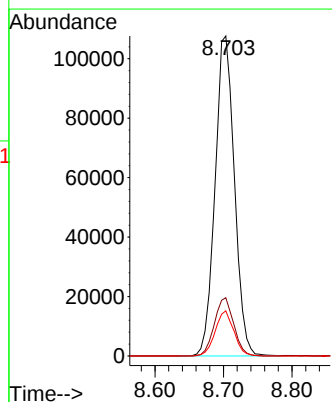
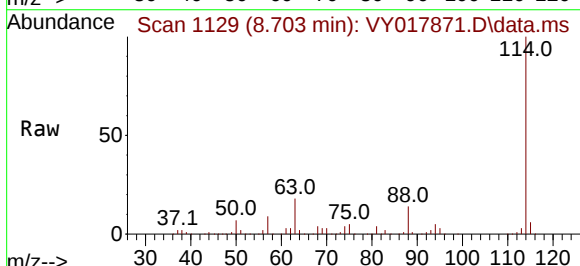
Tgt Ion: 114 Resp: 211021

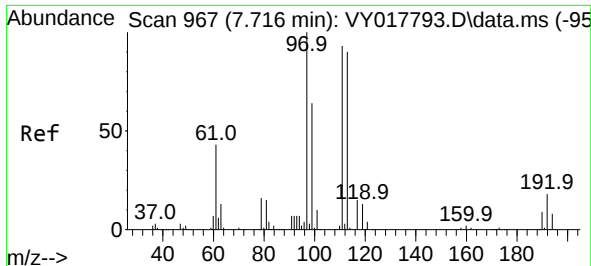
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.1 0.0 27.2

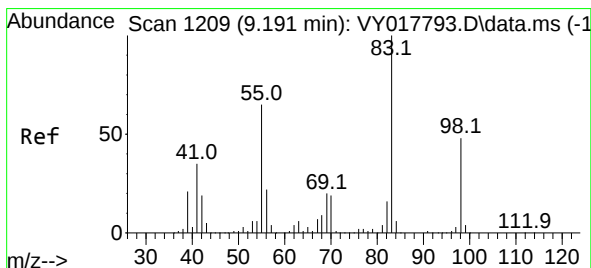
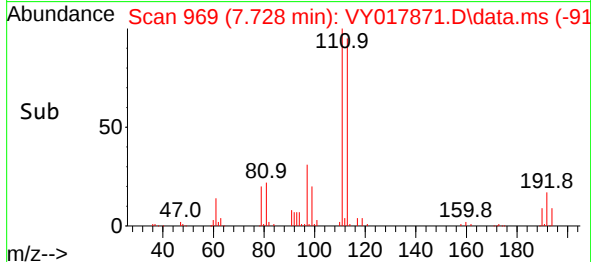
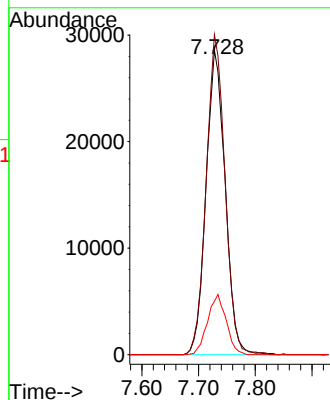
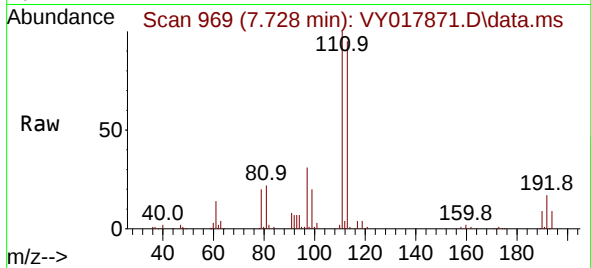




#35
Dibromofluoromethane
Concen: 55.035 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

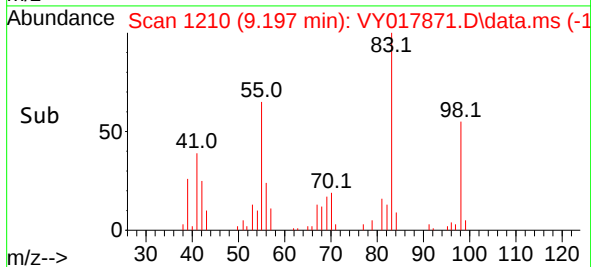
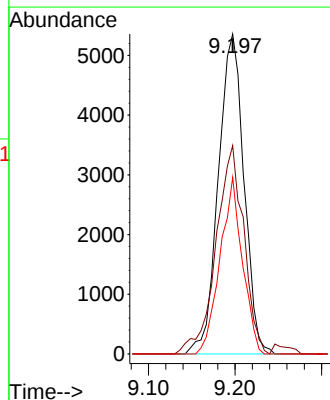
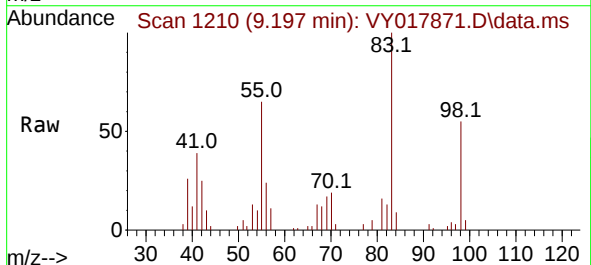
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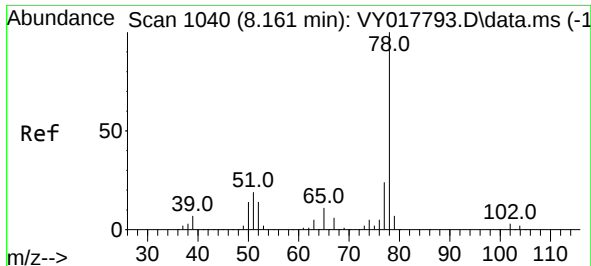
Tgt Ion:113 Resp: 67108
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 19.2 15.9 23.9



#39
Methylcyclohexane
Concen: 4.956 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. 0.006 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

Tgt Ion: 83 Resp: 11015
Ion Ratio Lower Upper
83 100
55 63.9 51.5 77.3
98 55.2 40.5 60.7





#40

Benzene

Concen: 6.708 ug/l

RT: 8.173 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

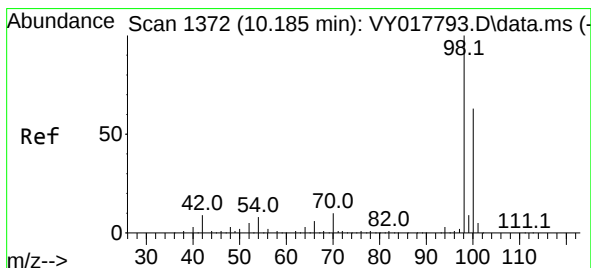
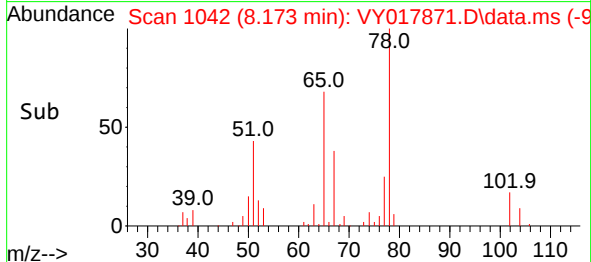
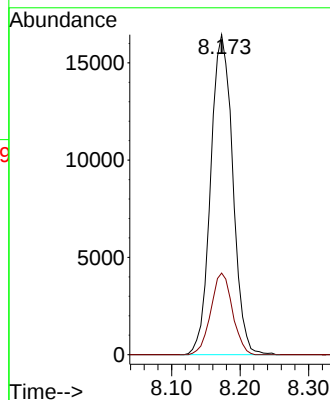
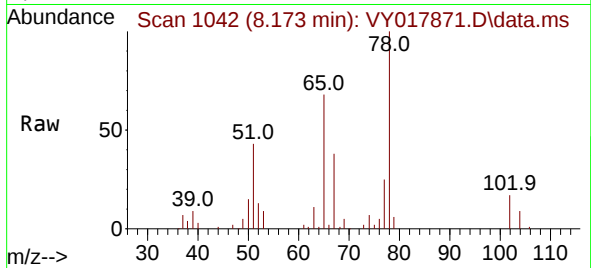
MOO-23-00119

Tgt Ion: 78 Resp: 36780

Ion Ratio Lower Upper

78 100

77 25.5 19.5 29.3



#50

Toluene-d8

Concen: 48.656 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.006 min

Lab File: VY017871.D

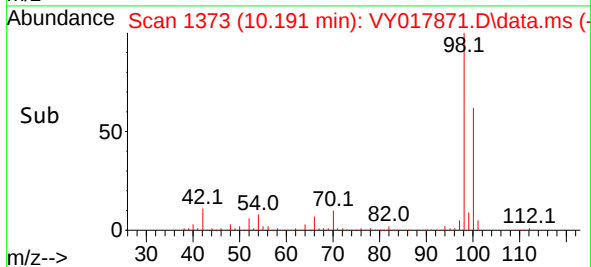
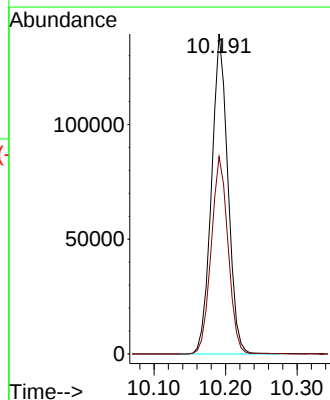
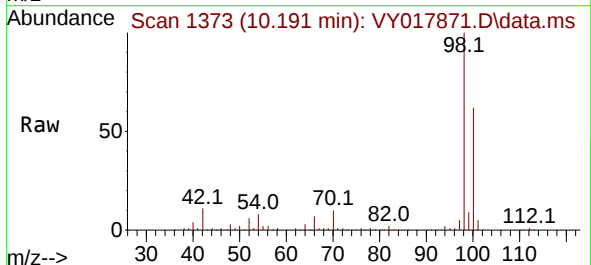
Acq: 05 Apr 2024 15:17

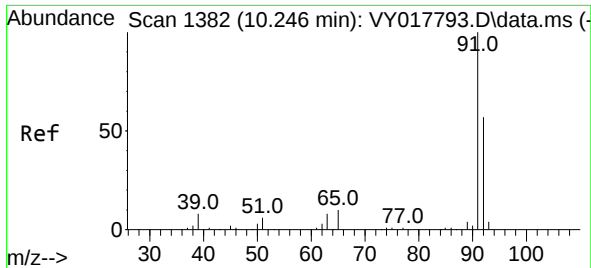
Tgt Ion: 98 Resp: 221624

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0

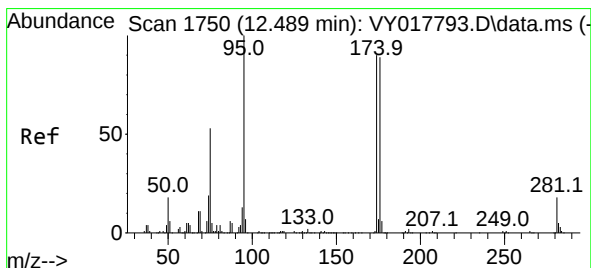
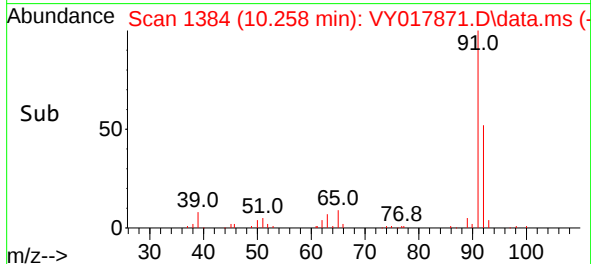
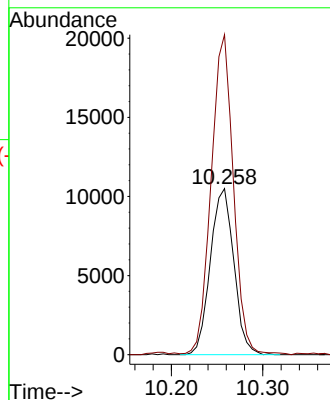
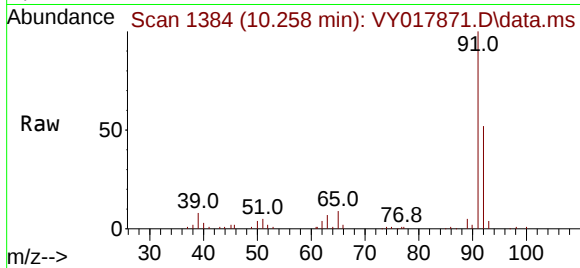




#52
Toluene
Concen: 5.628 ug/l
RT: 10.258 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

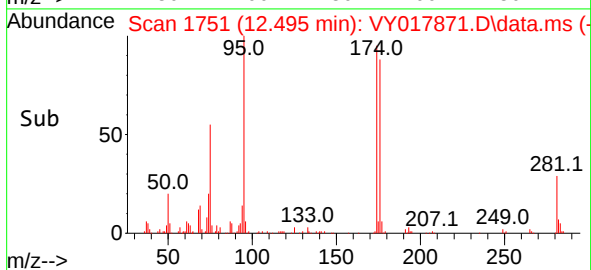
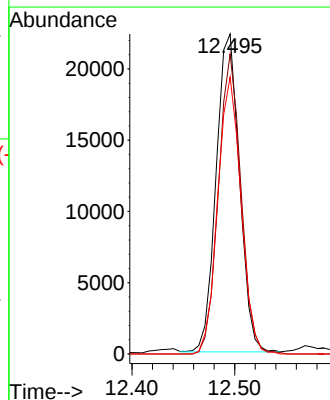
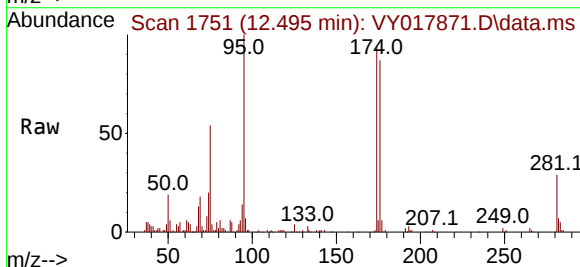
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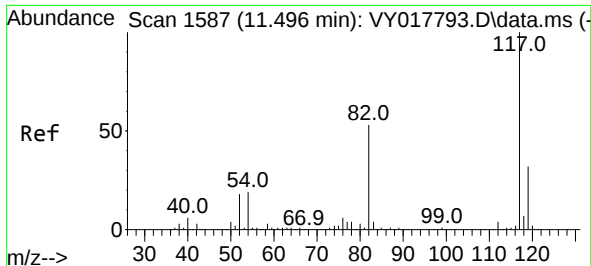
Tgt Ion: 92 Resp: 18718
Ion Ratio Lower Upper
92 100
91 182.8 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 25.285 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

Tgt Ion: 95 Resp: 35040
Ion Ratio Lower Upper
95 100
174 91.3 0.0 175.6
176 87.1 0.0 171.4

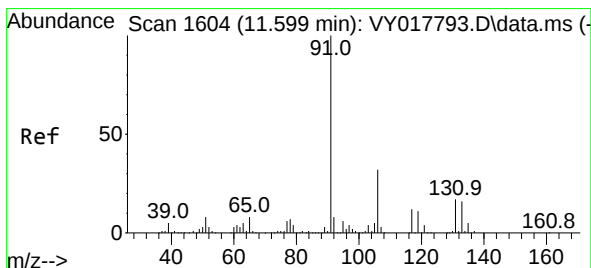
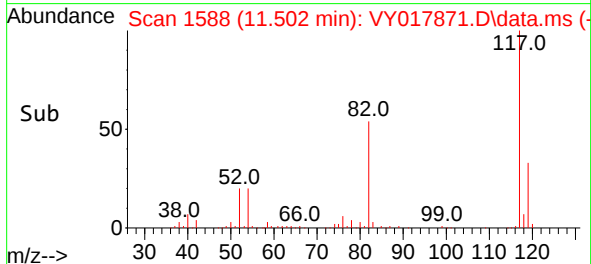
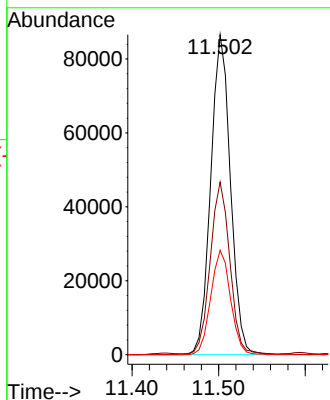
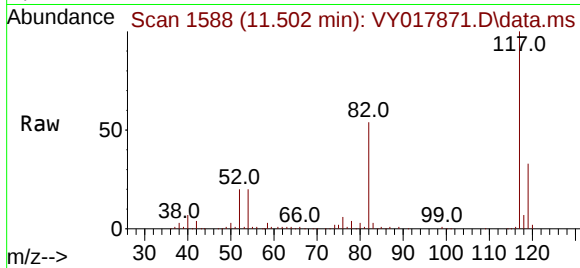




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

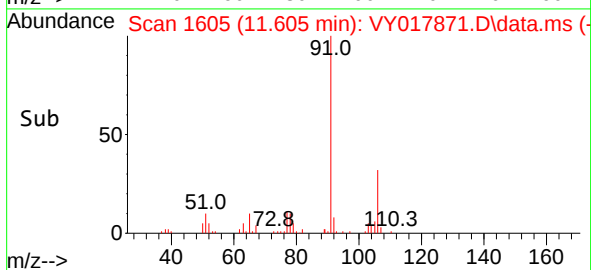
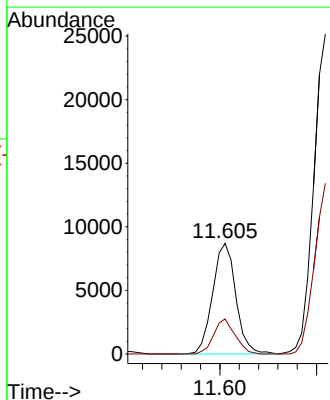
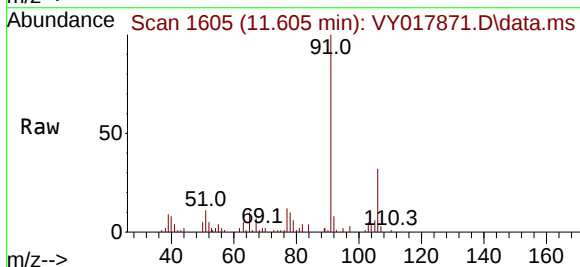
Instrument :
MSVOA_Y
ClientSampleId :
MOO-23-00119

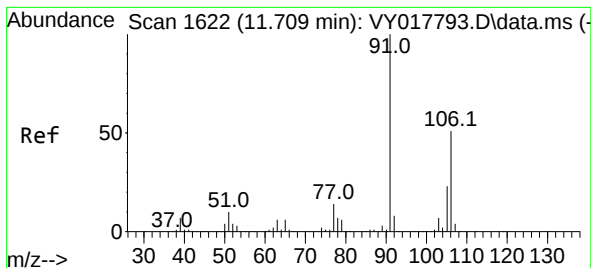
Tgt Ion:117 Resp: 136772
Ion Ratio Lower Upper
117 100
82 53.8 42.4 63.6
119 32.6 25.9 38.9



#67
Ethyl Benzene
Concen: 3.000 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

Tgt Ion: 91 Resp: 14471
Ion Ratio Lower Upper
91 100
106 31.7 24.5 36.7

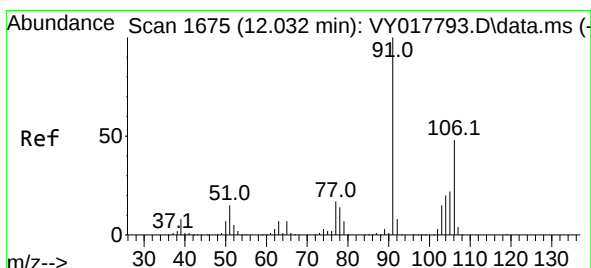
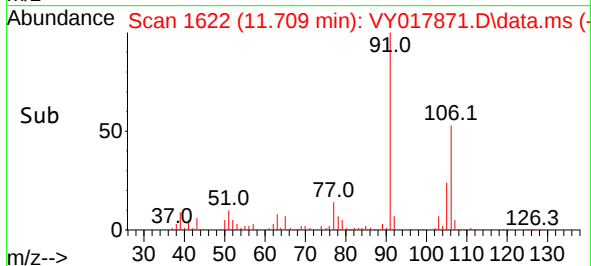
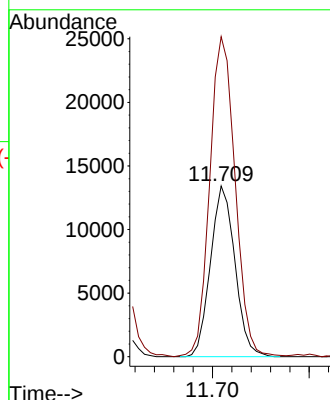
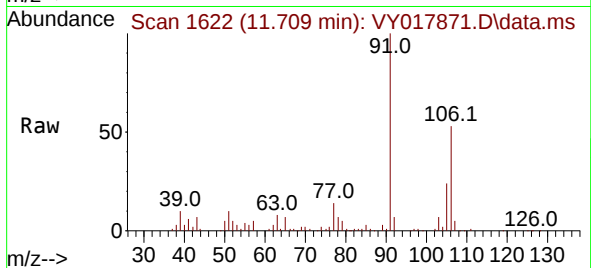




#68
m/p-Xylenes
Concen: 12.867 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

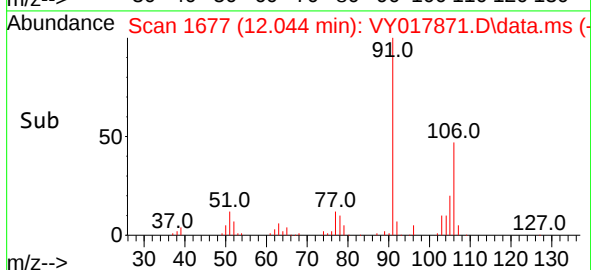
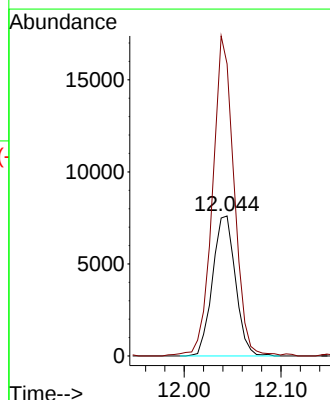
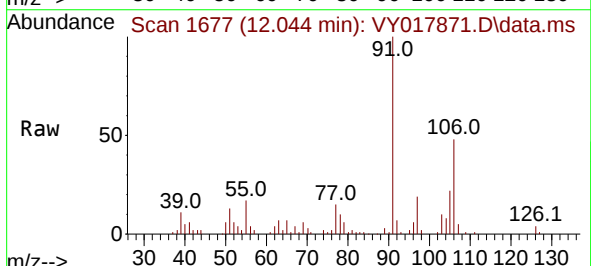
Instrument :
MSVOA_Y
ClientSampleId :
MOO-23-00119

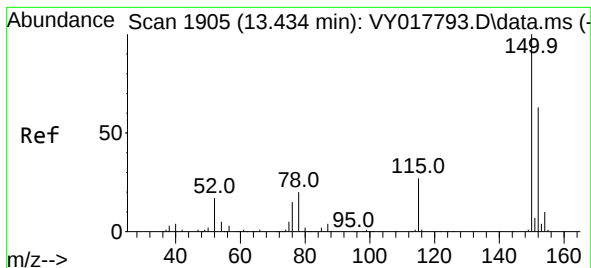
Tgt Ion:106 Resp: 23536
Ion Ratio Lower Upper
106 100
91 194.7 156.0 234.0



#69
o-Xylene
Concen: 7.454 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VY017871.D
Acq: 05 Apr 2024 15:17

Tgt Ion:106 Resp: 12511
Ion Ratio Lower Upper
106 100
91 215.1 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-23-00119

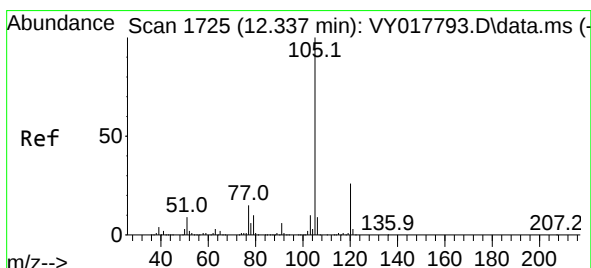
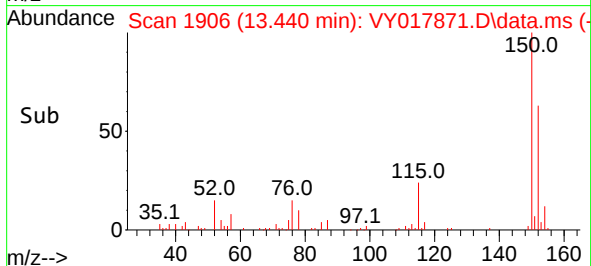
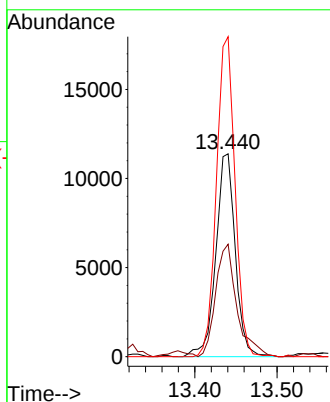
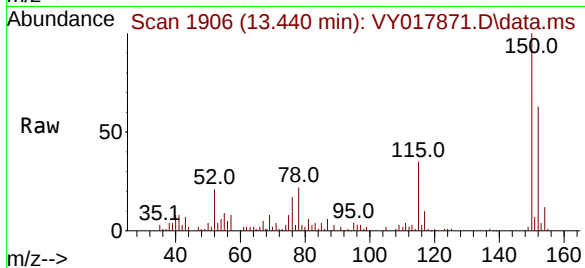
Tgt Ion:152 Resp: 18721

Ion Ratio Lower Upper

152 100

115 60.6 28.2 84.7

150 150.4 0.0 345.6



#73

Isopropylbenzene

Concen: 3.983 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.000 min

Lab File: VY017871.D

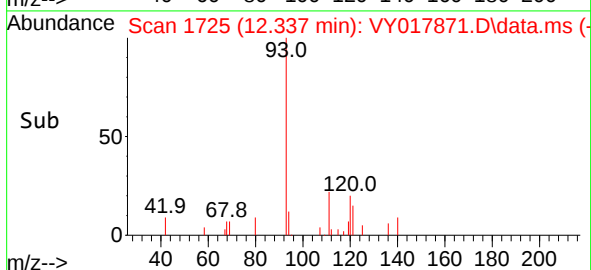
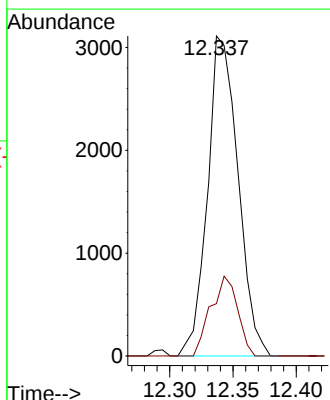
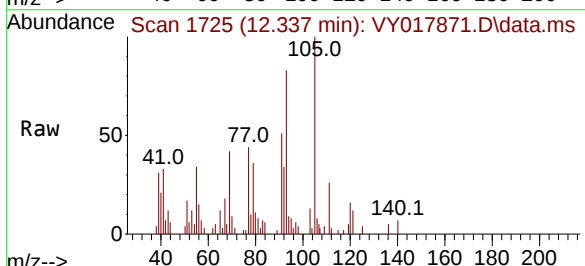
Acq: 05 Apr 2024 15:17

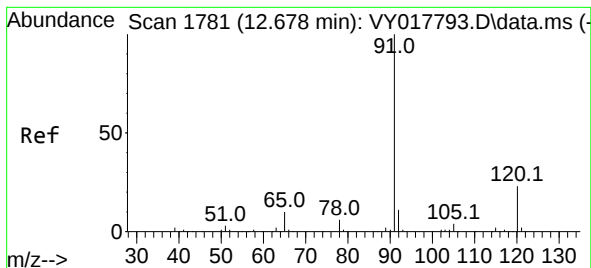
Tgt Ion:105 Resp: 5225

Ion Ratio Lower Upper

105 100

120 21.8 13.4 40.1





#78

n-propylbenzene

Concen: 6.076 ug/l

RT: 12.684 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

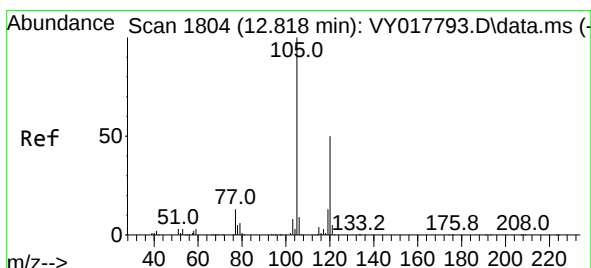
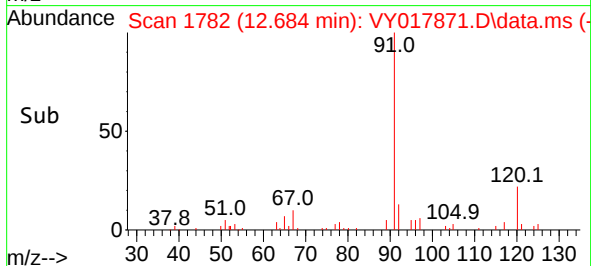
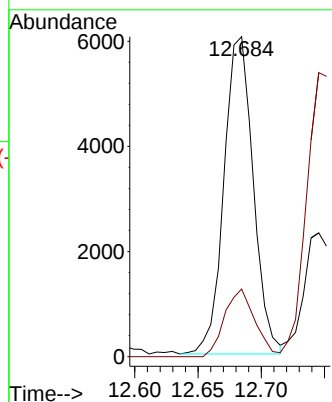
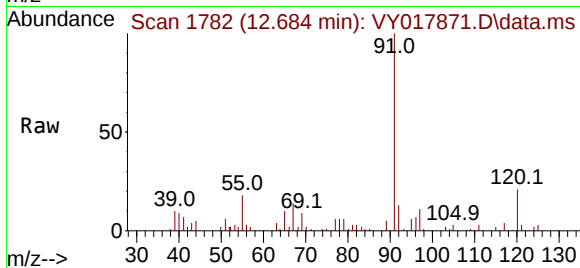
MOO-23-00119

Tgt Ion: 91 Resp: 9727

Ion Ratio Lower Upper

91 100

120 22.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 20.016 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY017871.D

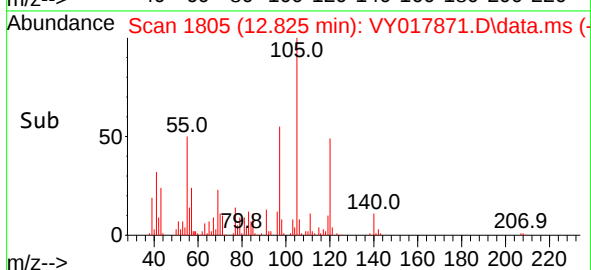
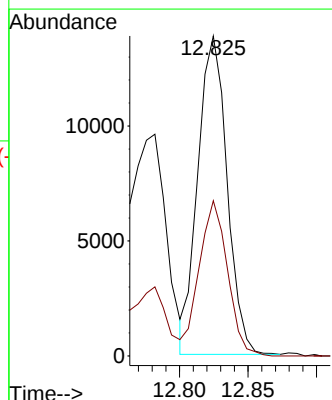
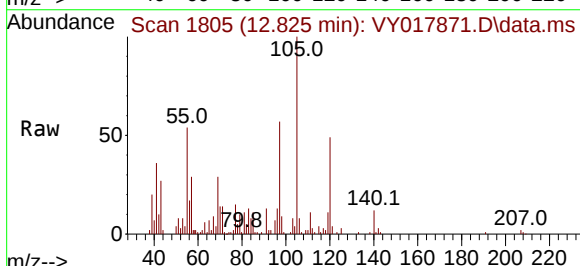
Acq: 05 Apr 2024 15:17

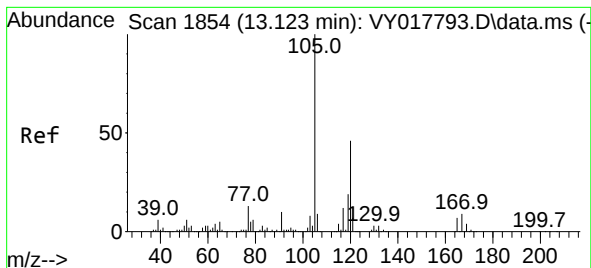
Tgt Ion:105 Resp: 20494

Ion Ratio Lower Upper

105 100

120 47.5 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 58.959 ug/l

RT: 13.129 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

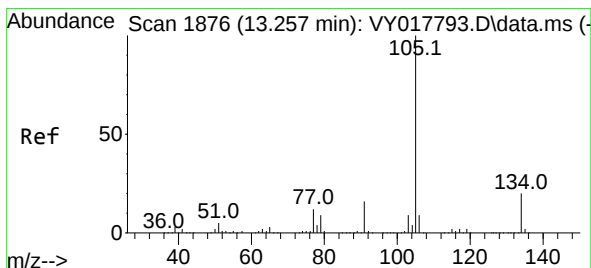
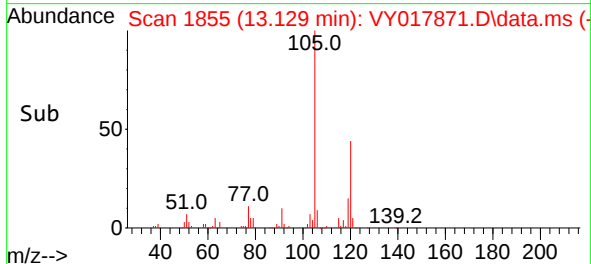
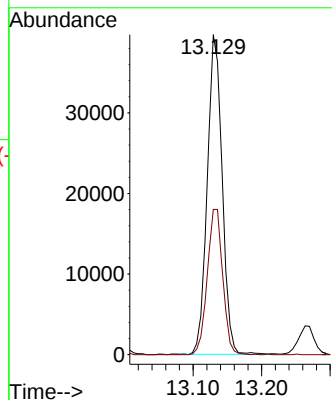
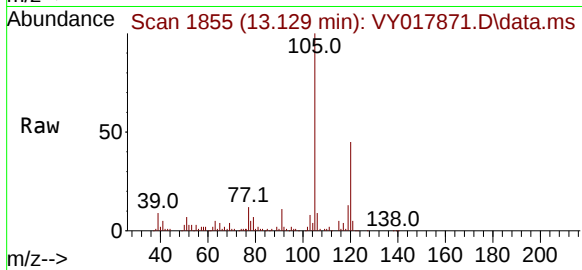
MOO-23-00119

Tgt Ion:105 Resp: 60123

Ion Ratio Lower Upper

105 100

120 47.1 23.2 69.6



#85

sec-Butylbenzene

Concen: 4.133 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VY017871.D

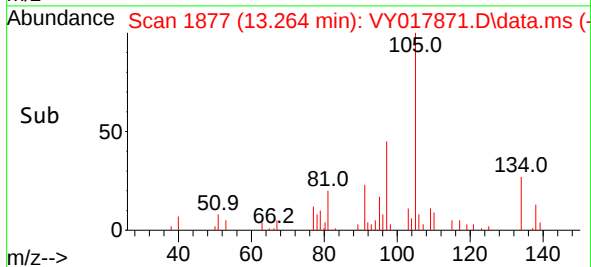
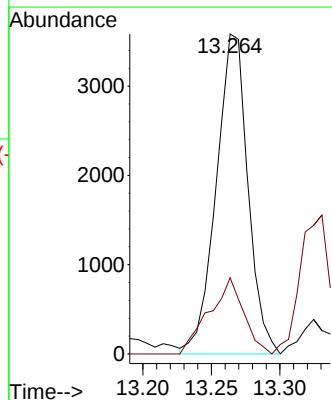
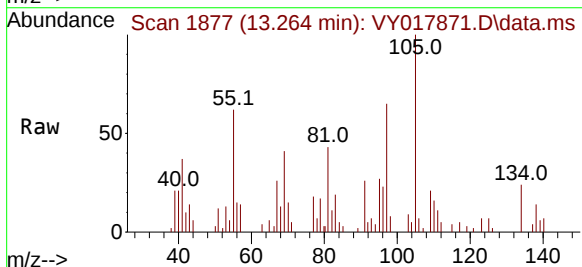
Acq: 05 Apr 2024 15:17

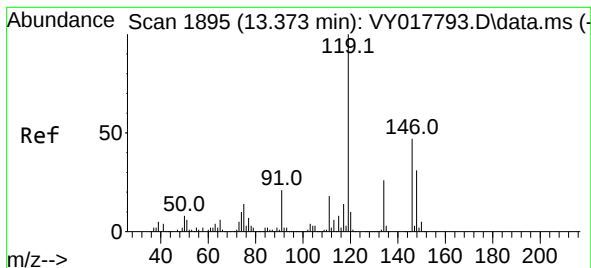
Tgt Ion:105 Resp: 5774

Ion Ratio Lower Upper

105 100

134 25.9 10.1 30.1





#86

p-Isopropyltoluene

Concen: 5.254 ug/l

RT: 13.379 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-23-00119

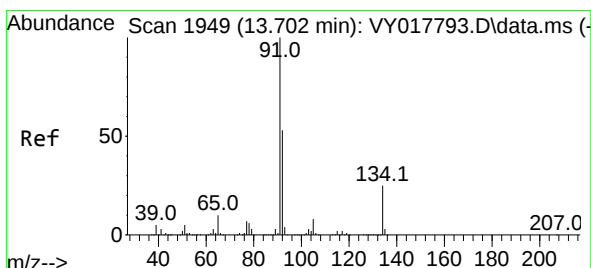
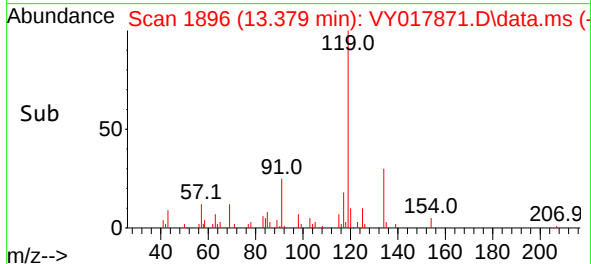
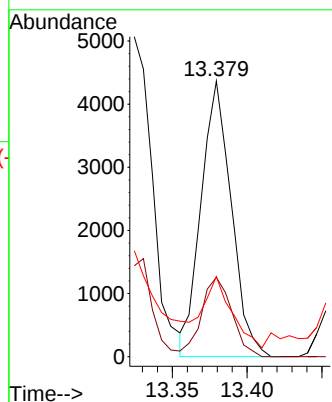
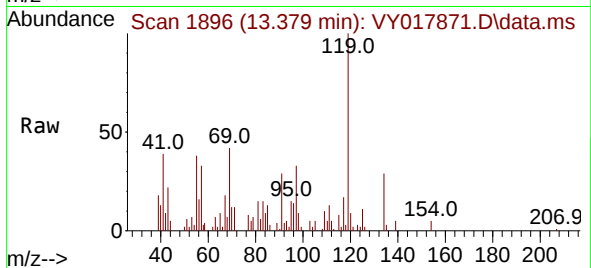
Tgt Ion:119 Resp: 6136

Ion Ratio Lower Upper

119 100

134 29.0 13.1 39.3

91 24.1 10.7 32.1



#89

n-Butylbenzene

Concen: 3.229 ug/l

RT: 13.709 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY017871.D

Acq: 05 Apr 2024 15:17

Tgt Ion: 91 Resp: 3469

Ion Ratio Lower Upper

91 100

92 61.9 26.6 79.7

134 0.0 12.9 38.7#

