

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015932.D
 Acq On : 11 Oct 2023 18:29
 Operator : SY/MD
 Sample : 04805-06
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 M-1(0-5)

Quant Time: Oct 12 01:59:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

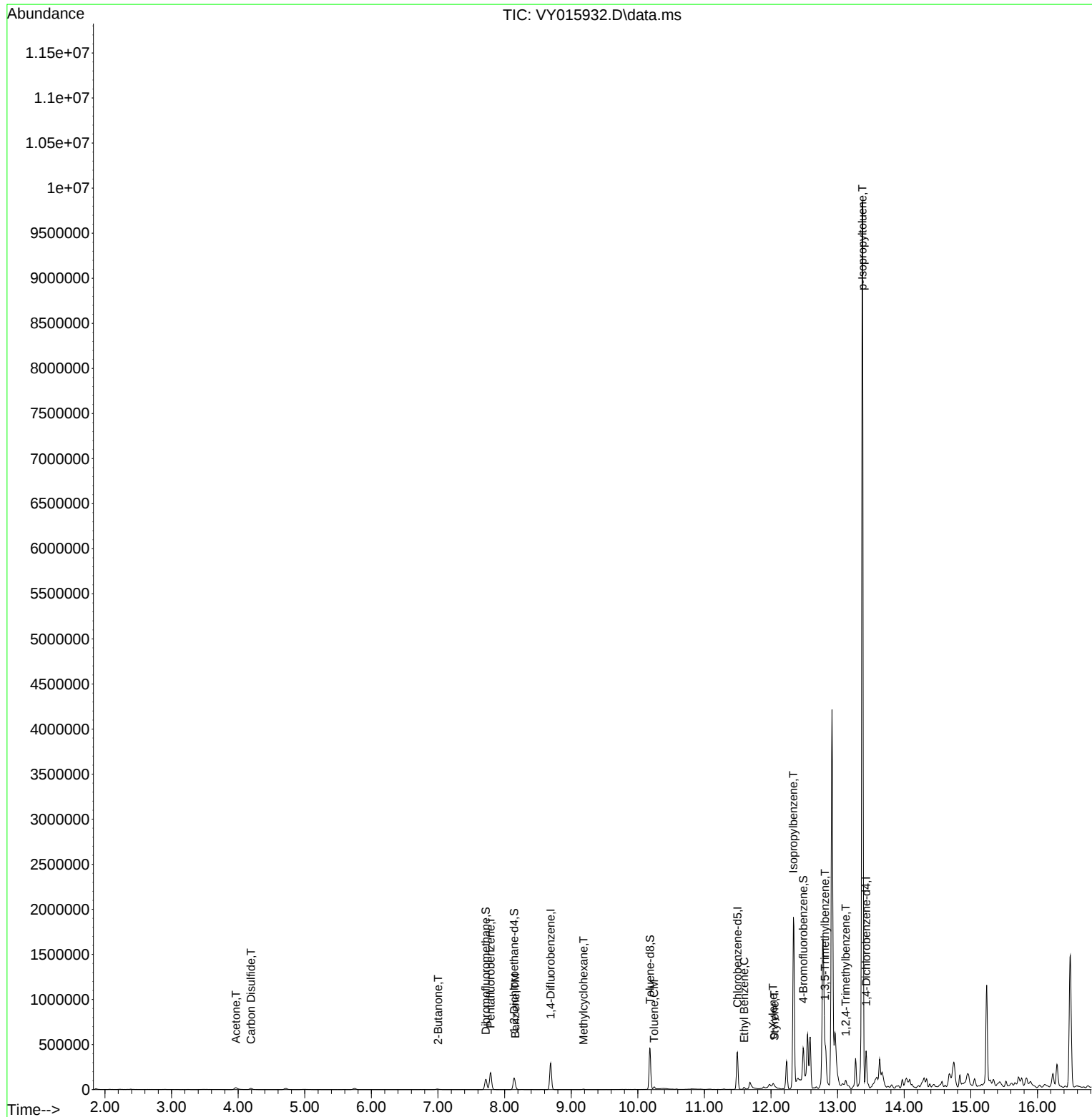
Internal Standards						
1) Pentafluorobenzene	7.789	168	146280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	238047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93302	70.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.780%	
35) Dibromofluoromethane	7.716	113	83572	58.218	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.440%	
50) Toluene-d8	10.185	98	306757	64.840	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 129.680%	
62) 4-Bromofluorobenzene	12.483	95	108328	56.374	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.740%	
Target Compounds						
					Qvalue	
16) Acetone	3.966	43	51684	85.700	ug/l	91
17) Carbon Disulfide	4.192	76	29055	24.463	ug/l	98
25) 2-Butanone	7.003	43	5676	7.861	ug/l	98
39) Methylcyclohexane	9.185	83	2105	1.303	ug/l #	88
40) Benzene	8.161	78	20216	4.046	ug/l	99
52) Toluene	10.246	92	9864	2.974	ug/l	100
67) Ethyl Benzene	11.599	91	15222	2.137	ug/l	97
69) o-Xylene	12.032	106	7865	2.929	ug/l	98
70) Styrene	12.050	104	4815	1.028	ug/l #	64
73) Isopropylbenzene	12.337	105	85375	12.774	ug/l #	62
80) 1,3,5-Trimethylbenzene	12.812	105	15312	2.780	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	28917	5.213	ug/l #	32
86) p-Isopropyltoluene	13.373	119	5213877	835.967	ug/l	99

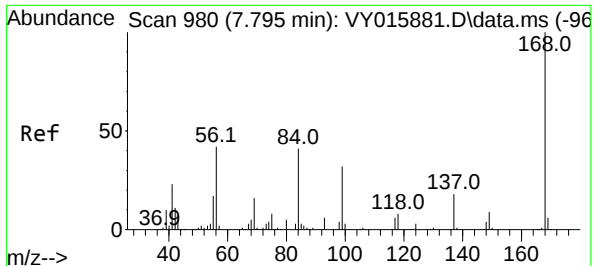
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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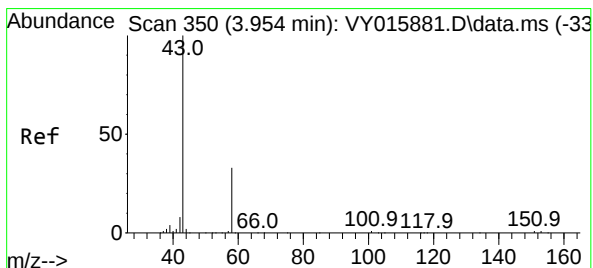
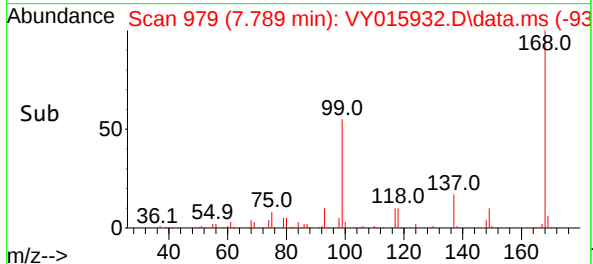
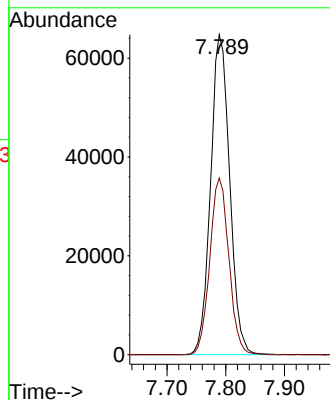
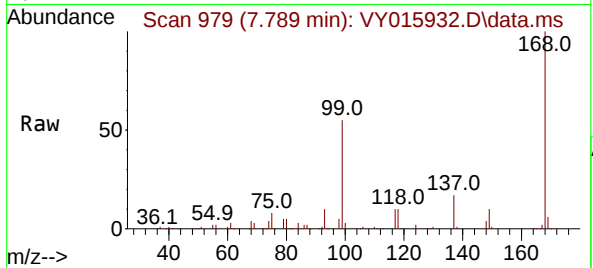




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

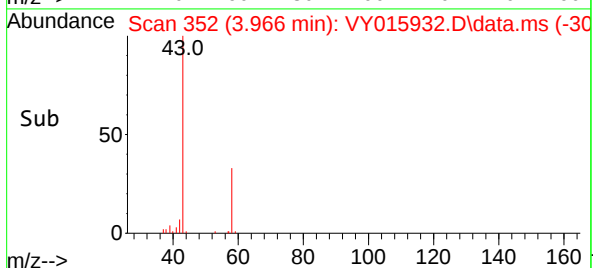
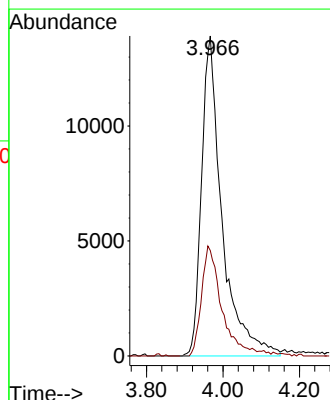
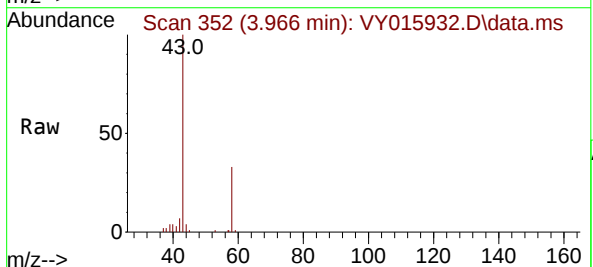
Instrument :
MSVOA_Y
ClientSampleId :
M-1(0-5)

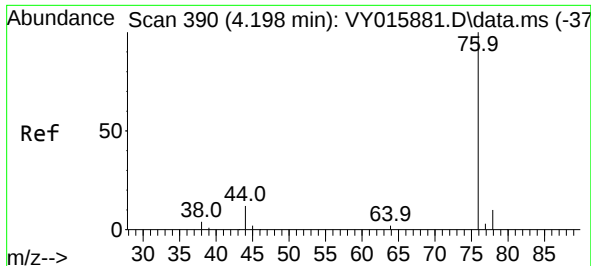
Tgt Ion:168 Resp: 146280
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#16
Acetone
Concen: 85.700 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

Tgt Ion: 43 Resp: 51684
Ion Ratio Lower Upper
43 100
58 33.0 22.7 34.1





#17

Carbon Disulfide

Concen: 24.463 ug/l

RT: 4.192 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY015932.D

Acq: 11 Oct 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

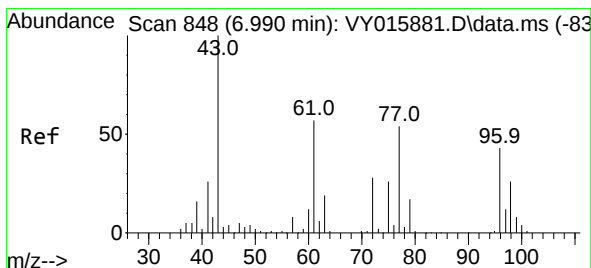
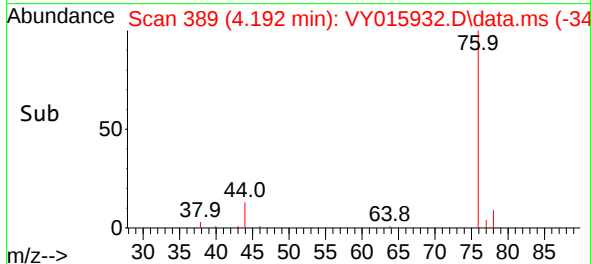
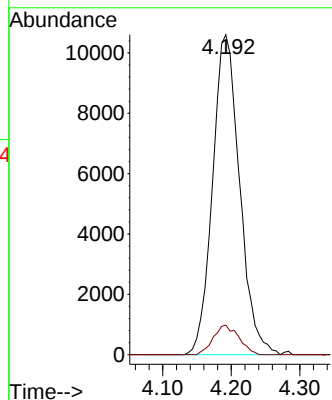
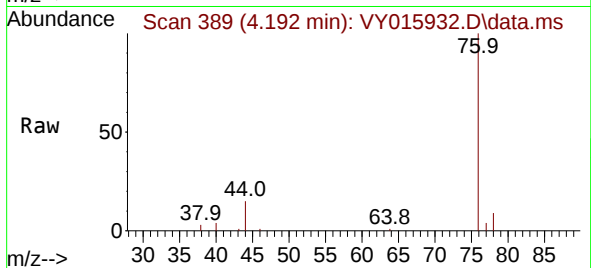
M-1(0-5)

Tgt Ion: 76 Resp: 29055

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



#25

2-Butanone

Concen: 7.861 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY015932.D

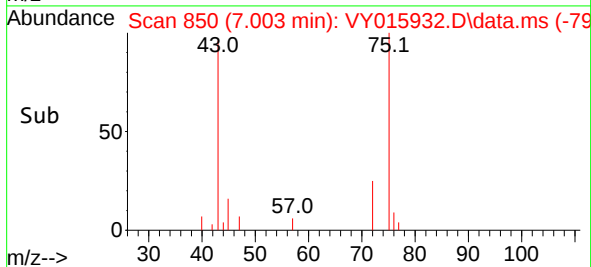
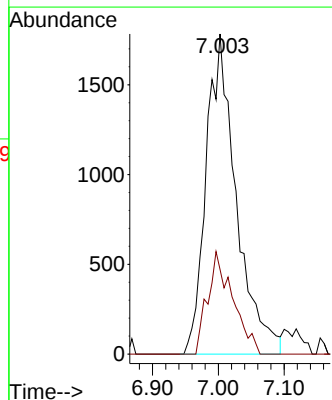
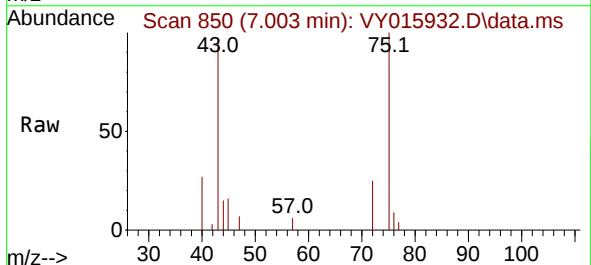
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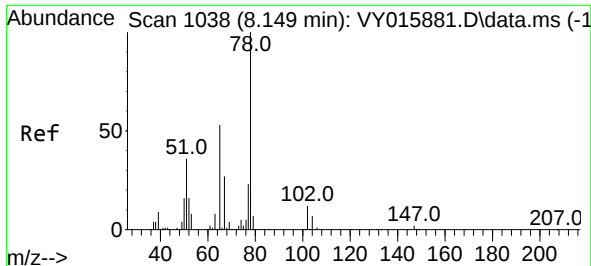
Tgt Ion: 43 Resp: 5676

Ion Ratio Lower Upper

43 100

72 26.4 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 70.886 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY015932.D

Acq: 11 Oct 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

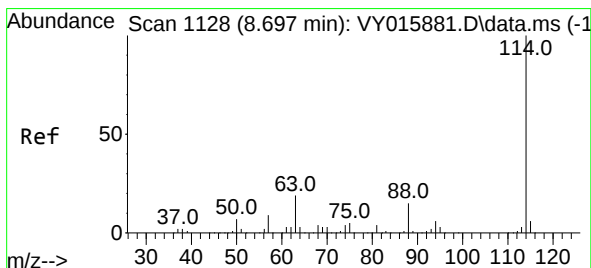
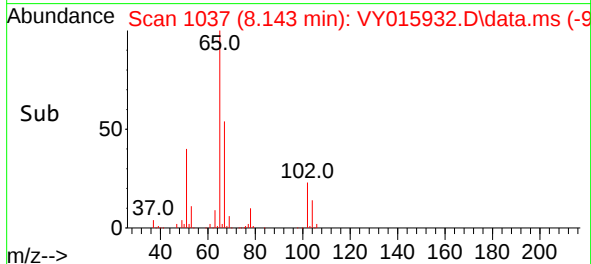
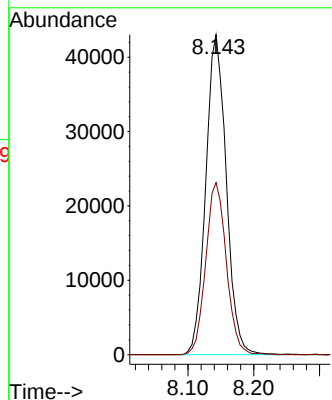
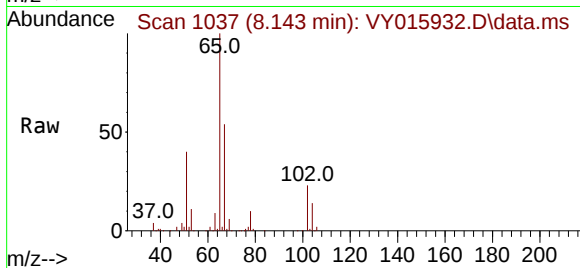
M-1(0-5)

Tgt Ion: 65 Resp: 93302

Ion Ratio Lower Upper

65 100

67 54.2 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: VY015932.D

Acq: 11 Oct 2023 18:29

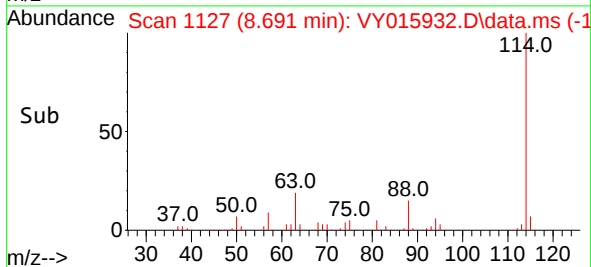
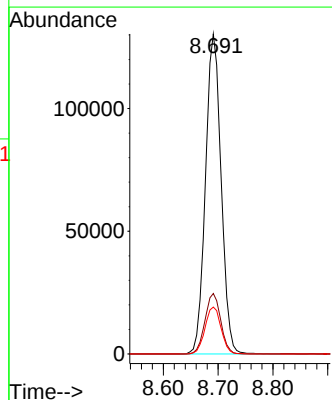
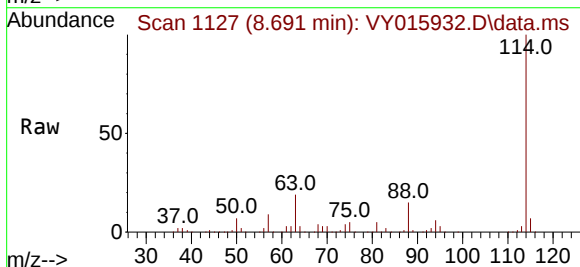
Tgt Ion: 114 Resp: 257359

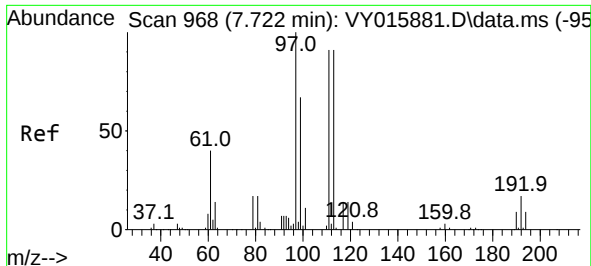
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.6 0.0 30.6

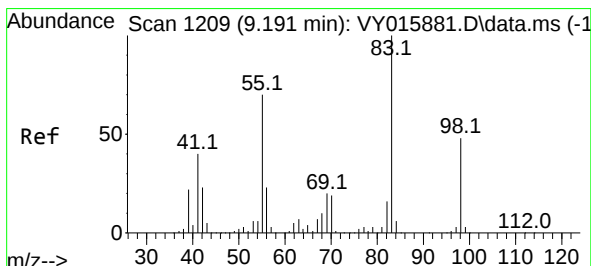
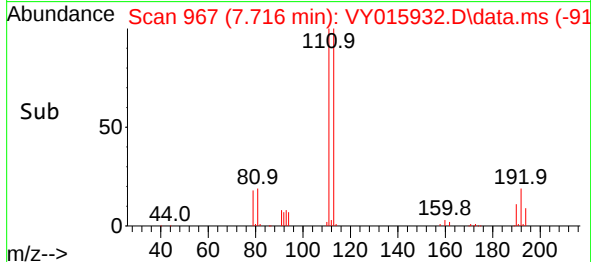
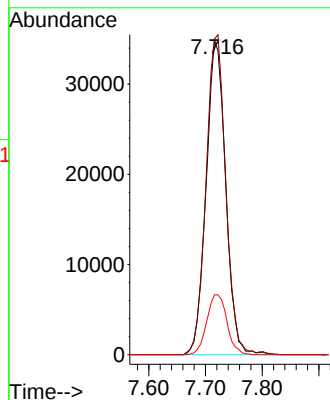
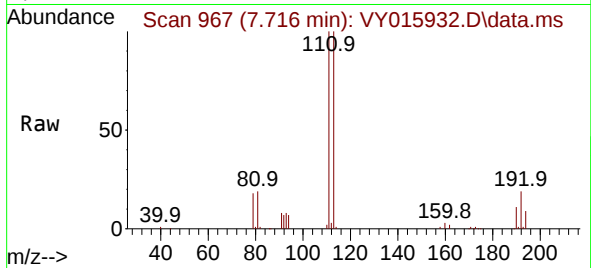




#35
Dibromofluoromethane
Concen: 58.218 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

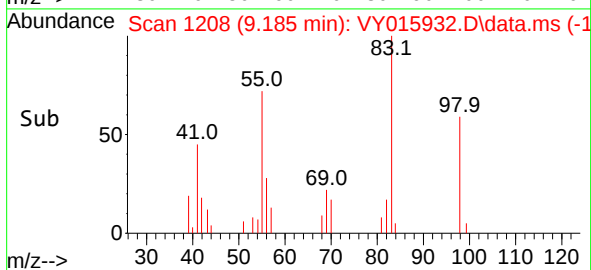
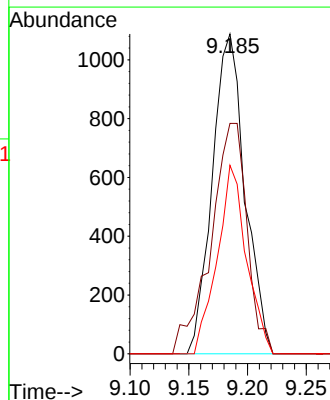
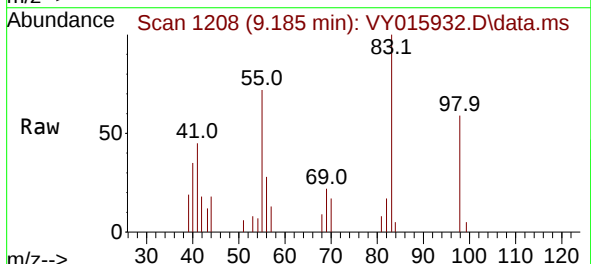
Instrument :
MSVOA_Y
ClientSampleId :
M-1(0-5)

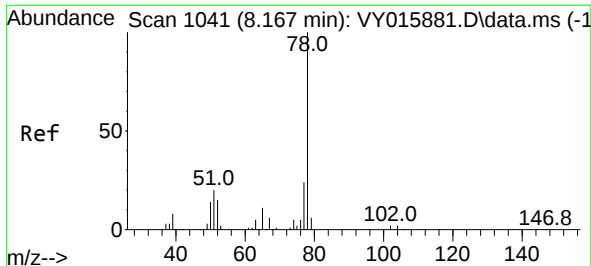
Tgt Ion:113 Resp: 83572
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.6 16.9 25.3



#39
Methylcyclohexane
Concen: 1.303 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

Tgt Ion: 83 Resp: 2105
Ion Ratio Lower Upper
83 100
55 72.1 63.0 94.4
98 58.9 37.4 56.2#





#40

Benzene

Concen: 4.046 ug/l

RT: 8.161 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY015932.D

Acq: 11 Oct 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

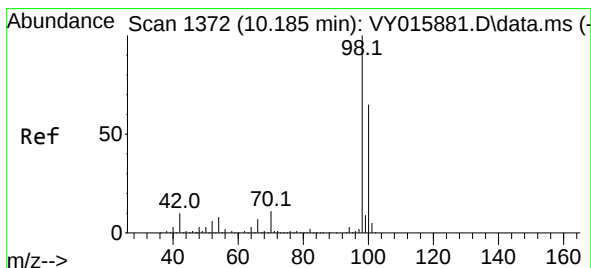
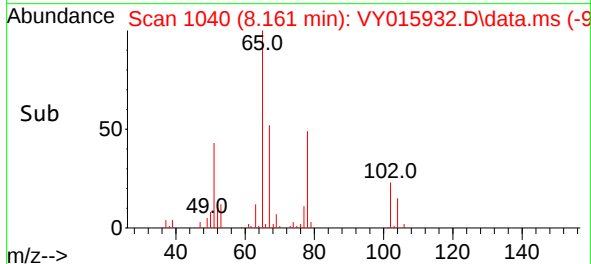
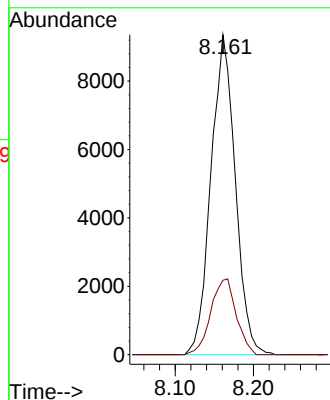
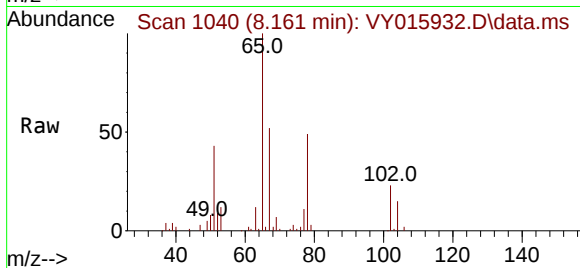
M-1(0-5)

Tgt Ion: 78 Resp: 20216

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.6



#50

Toluene-d8

Concen: 64.840 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY015932.D

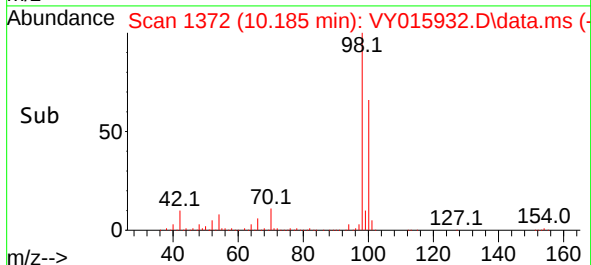
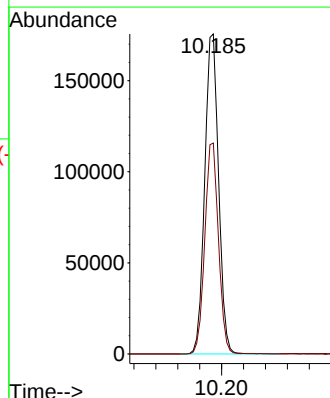
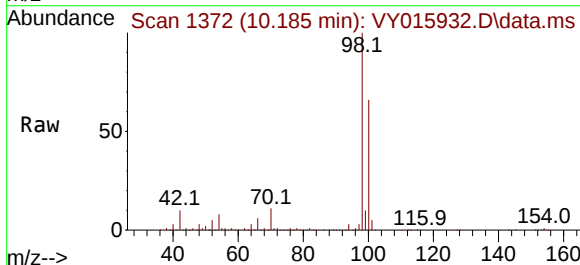
Acq: 11 Oct 2023 18:29

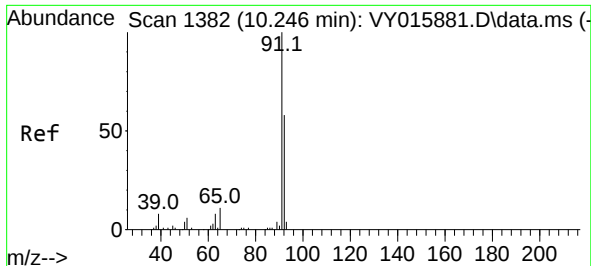
Tgt Ion: 98 Resp: 306757

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1

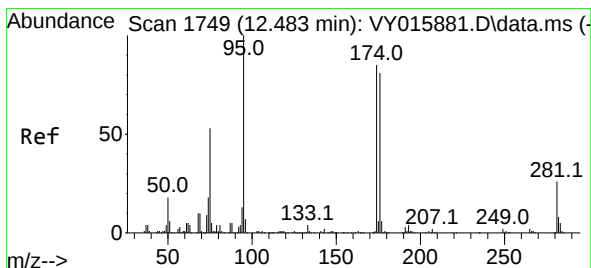
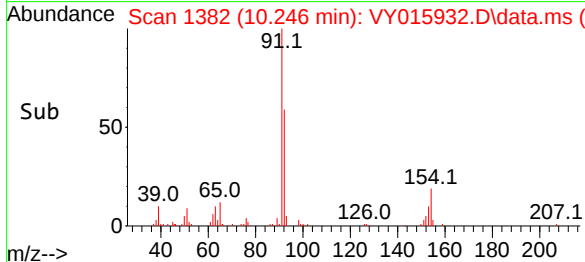
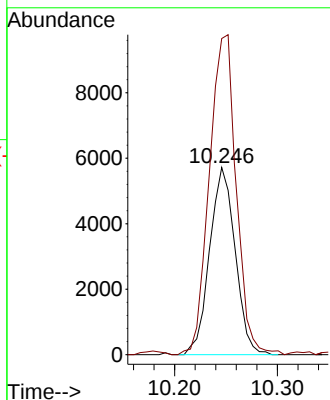
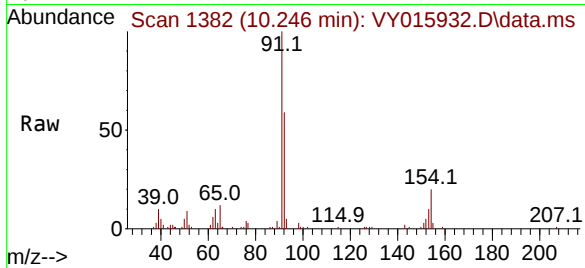




#52
Toluene
Concen: 2.974 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

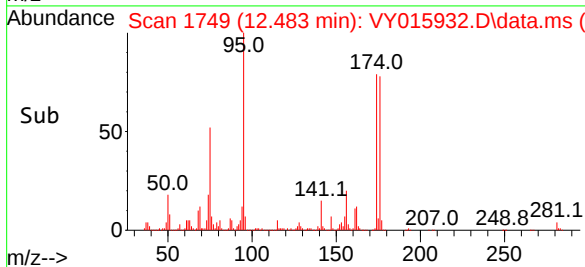
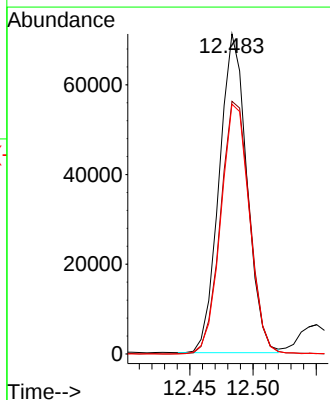
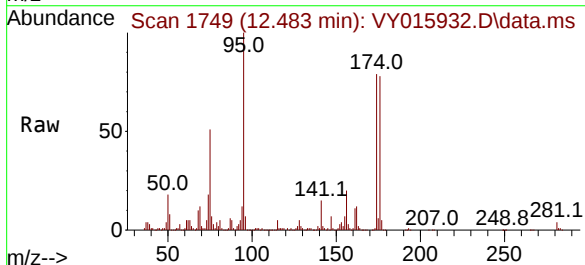
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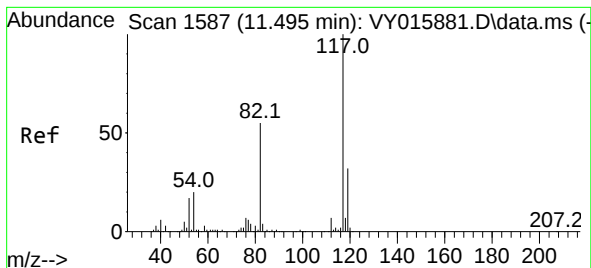
Tgt Ion: 92 Resp: 9864
Ion Ratio Lower Upper
92 100
91 179.8 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 56.374 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

Tgt Ion: 95 Resp: 108328
Ion Ratio Lower Upper
95 100
174 83.8 0.0 178.2
176 81.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015932.D

Acq: 11 Oct 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

M-1(0-5)

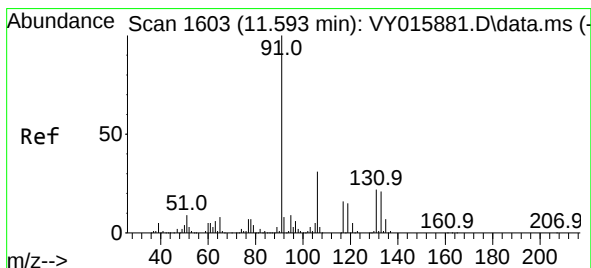
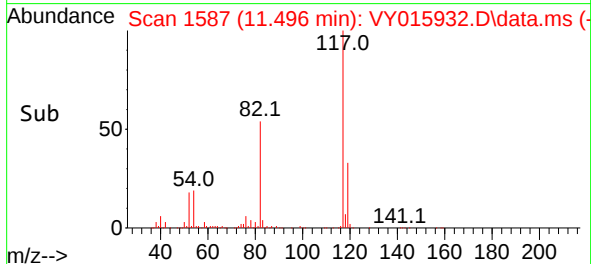
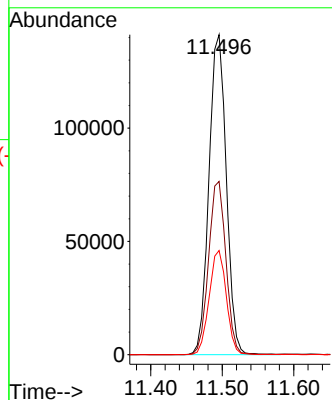
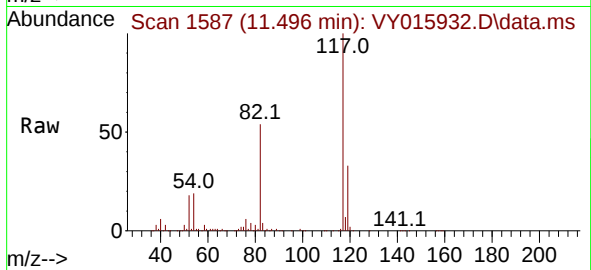
Tgt Ion:117 Resp: 238047

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 32.5 26.3 39.5



#67

Ethyl Benzene

Concen: 2.137 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY015932.D

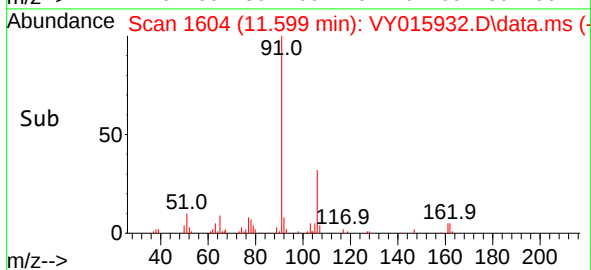
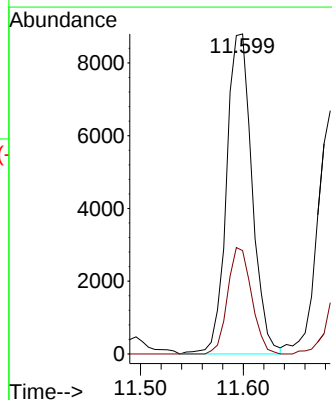
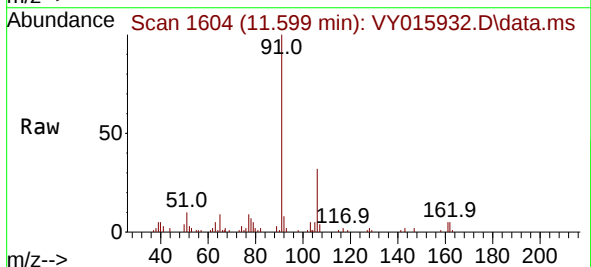
Acq: 11 Oct 2023 18:29

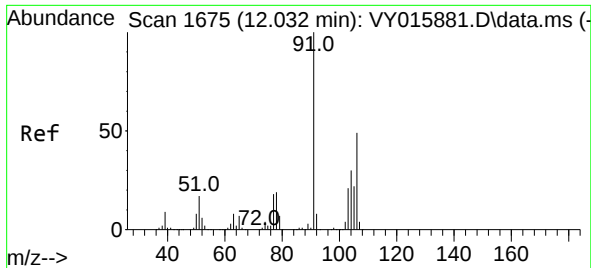
Tgt Ion: 91 Resp: 15222

Ion Ratio Lower Upper

91 100

106 32.3 24.6 36.8

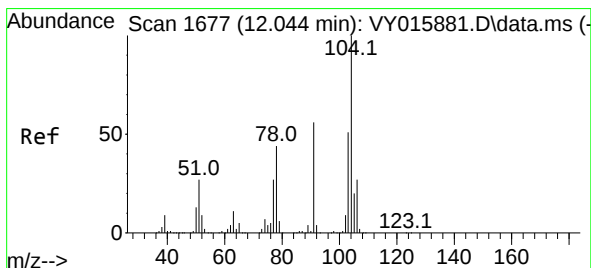
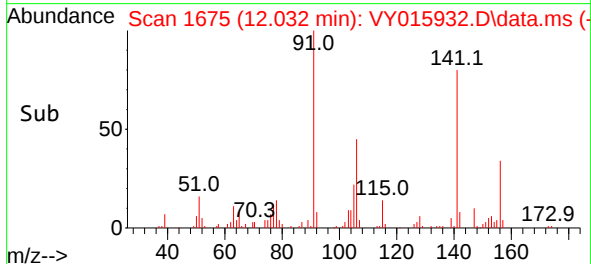
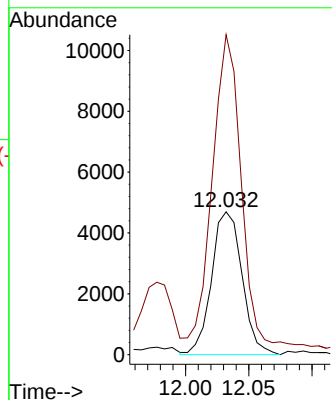
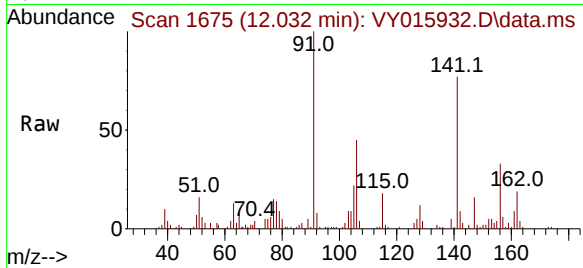




#69
o-Xylene
Concen: 2.929 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

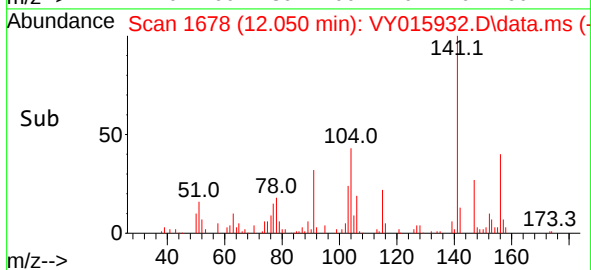
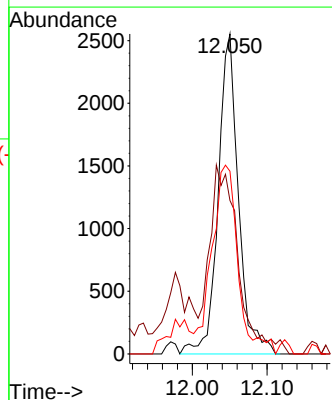
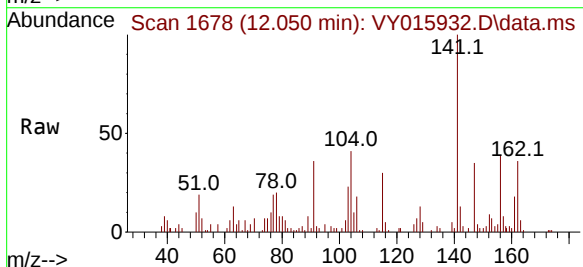
Instrument :
MSVOA_Y
ClientSampleId :
M-1(0-5)

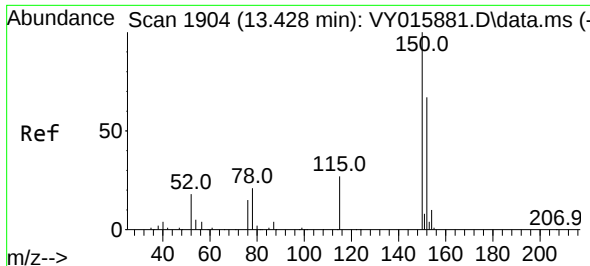
Tgt Ion:106 Resp: 7865
Ion Ratio Lower Upper
106 100
91 213.7 108.1 324.3



#70
Styrene
Concen: 1.028 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

Tgt Ion:104 Resp: 4815
Ion Ratio Lower Upper
104 100
78 83.3 41.5 62.3#
103 75.7 44.6 67.0#

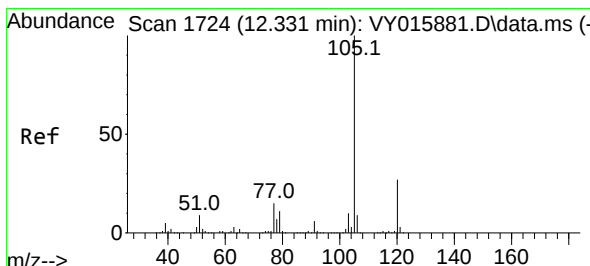
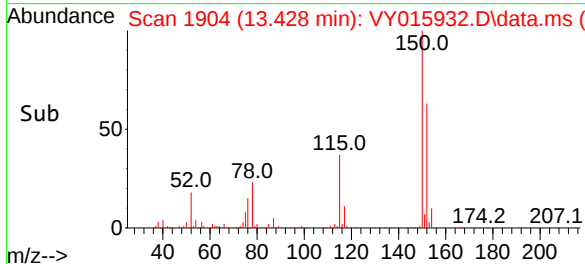
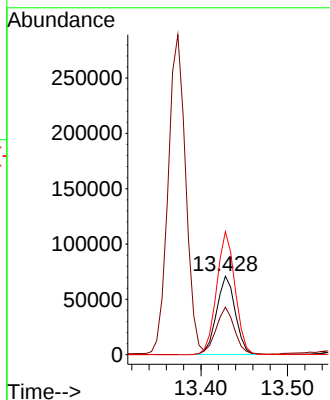
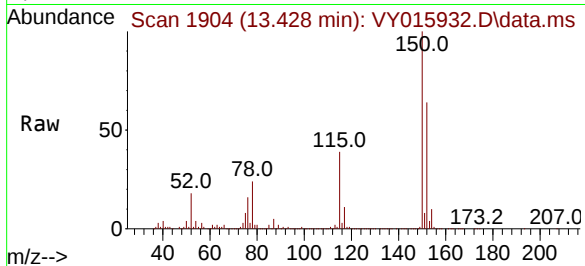




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

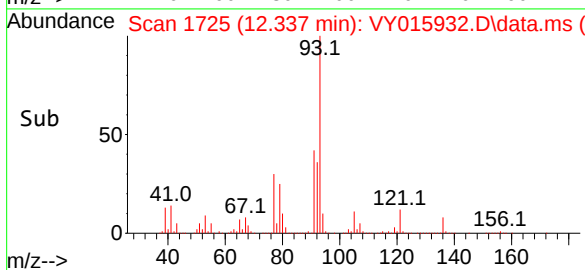
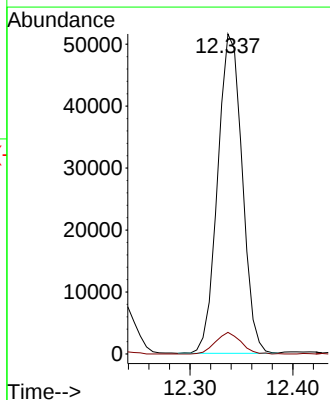
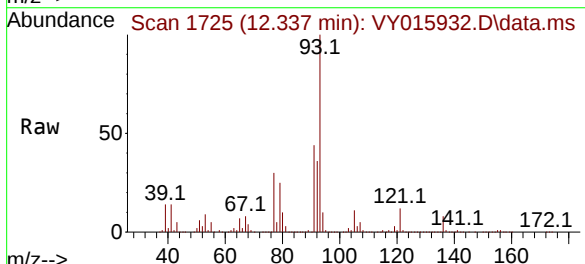
Instrument :
MSVOA_Y
ClientSampleId :
M-1(0-5)

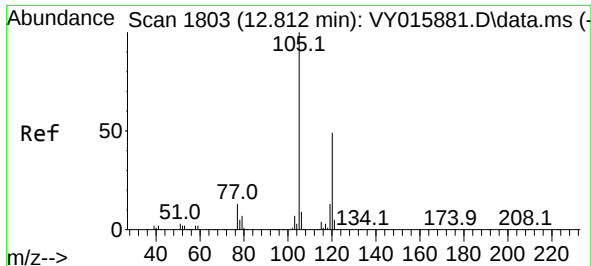
Tgt Ion:152 Resp: 105953
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 155.3 0.0 348.8



#73
Isopropylbenzene
Concen: 12.774 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY015932.D
Acq: 11 Oct 2023 18:29

Tgt Ion:105 Resp: 85375
Ion Ratio Lower Upper
105 100
120 7.0 13.3 39.9#

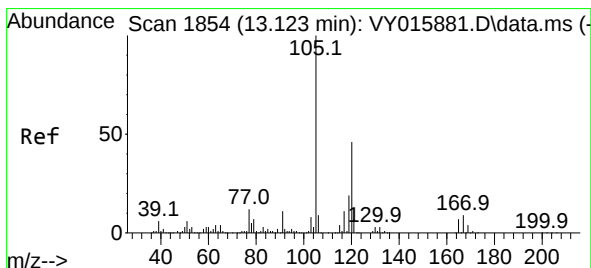
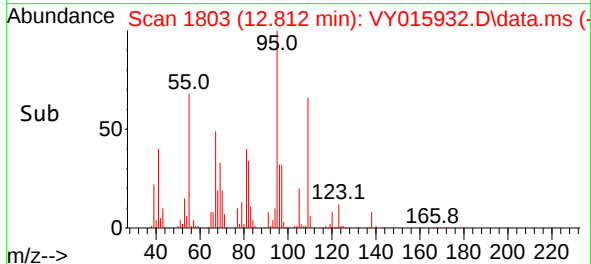
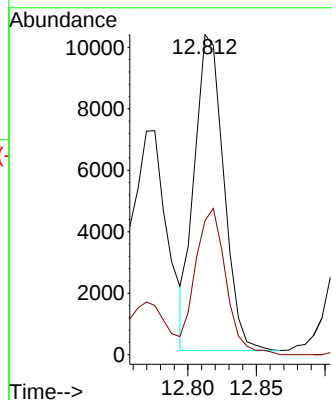
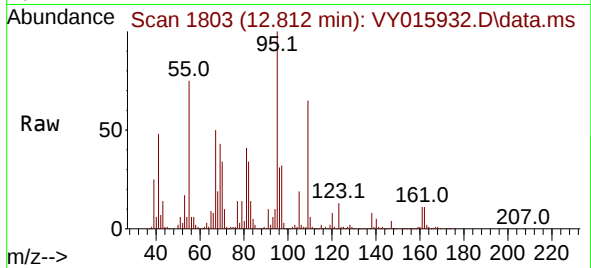




#80
 1,3,5-Trimethylbenzene
 Concen: 2.780 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY015932.D
 Acq: 11 Oct 2023 18:29

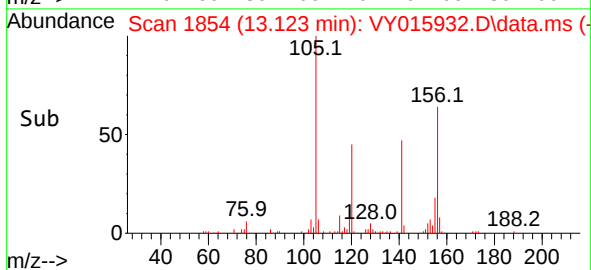
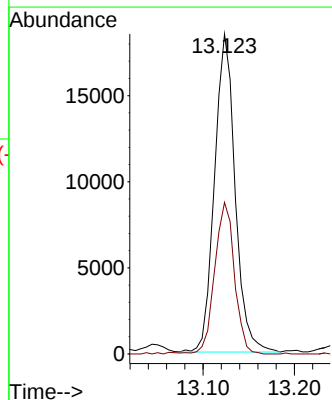
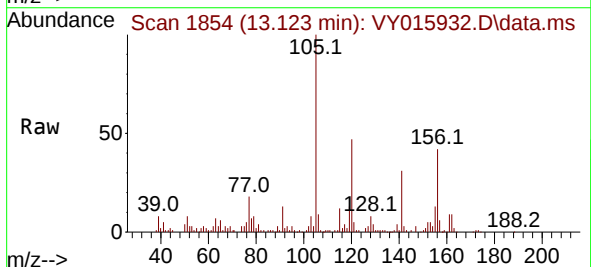
Instrument :
 MSVOA_Y
 ClientSampleId :
 M-1(0-5)

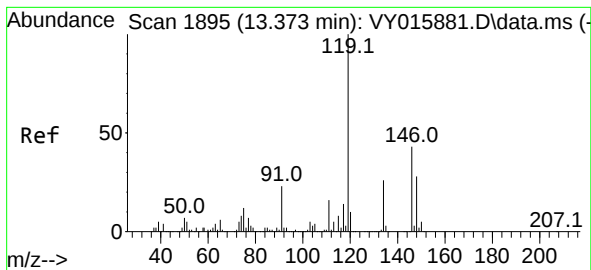
Tgt Ion:105 Resp: 15312
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.7



#84
 1,2,4-Trimethylbenzene
 Concen: 5.213 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY015932.D
 Acq: 11 Oct 2023 18:29

Tgt Ion:105 Resp: 28917
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.2 66.6#





#86
 p-Isopropyltoluene
 Concen: 835.967 ug/l
 RT: 13.373 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VY015932.D
 Acq: 11 Oct 2023 18:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 M-1(0-5)

Tgt Ion:119 Resp: 5213877

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.3	39.8
91	24.4	12.4	37.4

