

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110623\
 Data File : VY016236.D
 Acq On : 06 Nov 2023 14:56
 Operator : SY/MD
 Sample : 05253-02
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L-6(0-5)

Quant Time: Nov 06 23:57:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

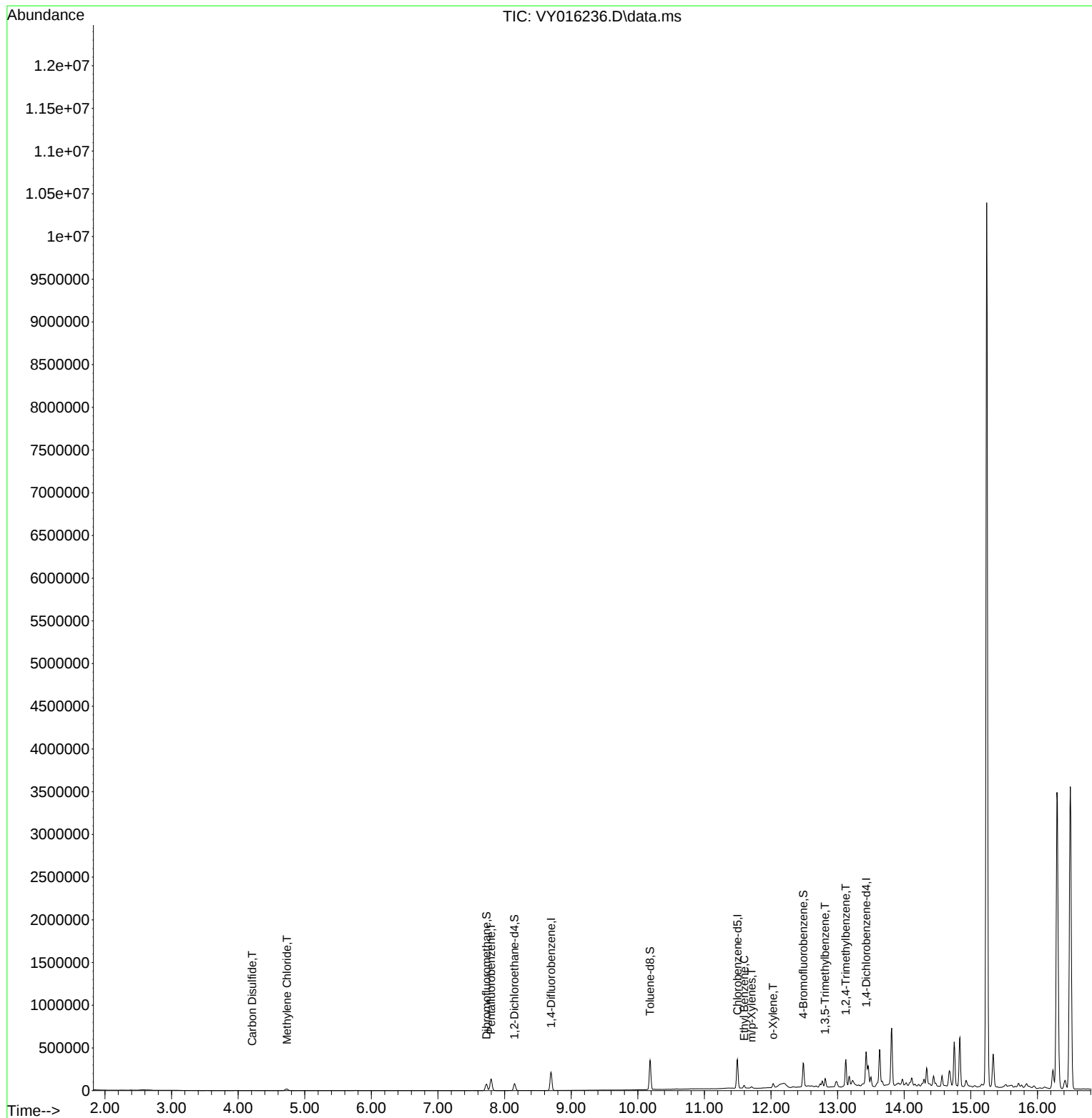
Internal Standards						
1) Pentafluorobenzene	7.795	168	108083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	189415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	185138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	61546	60.854	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.700%	
35) Dibromofluoromethane	7.728	113	53865	47.700	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.400%	
50) Toluene-d8	10.185	98	225939	50.464	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.920%	
62) 4-Bromofluorobenzene	12.483	95	84777	55.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.740%	
Target Compounds						Qvalue
17) Carbon Disulfide	4.210	76	2309	1.081	ug/l	99
20) Methylene Chloride	4.735	84	15324	12.620	ug/l	85
67) Ethyl Benzene	11.599	91	22219	3.377	ug/l	100
68) m/p-Xylenes	11.709	106	4608	1.813	ug/l	91
69) o-Xylene	12.032	106	12620	5.199	ug/l	93
80) 1,3,5-Trimethylbenzene	12.813	105	48549	8.683	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	167347	30.246	ug/l	97

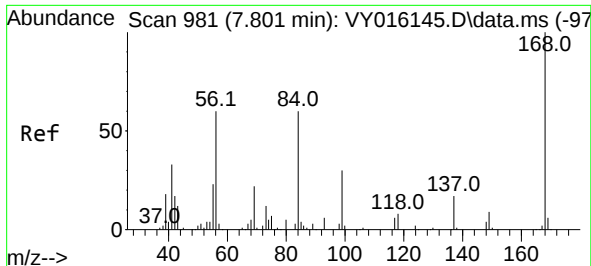
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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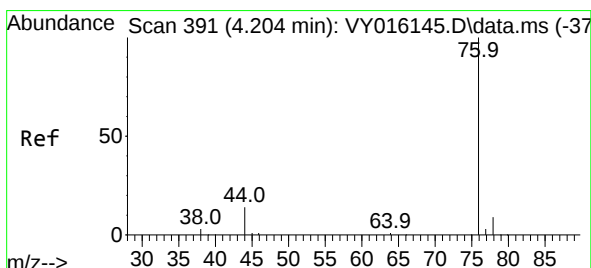
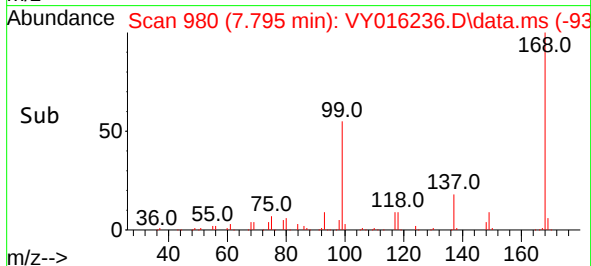
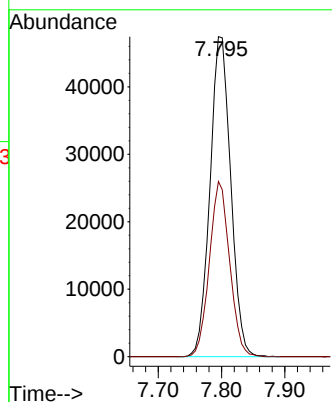
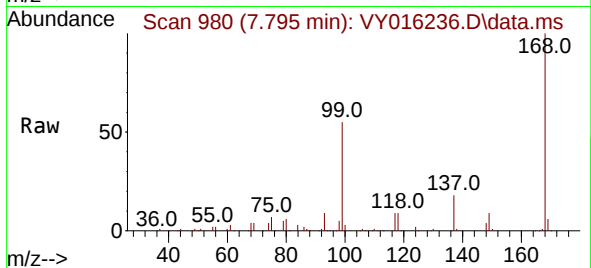




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

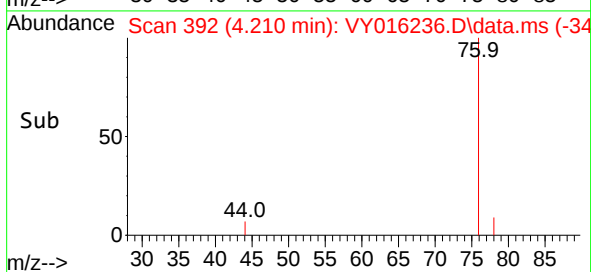
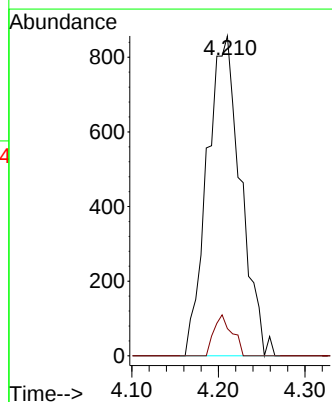
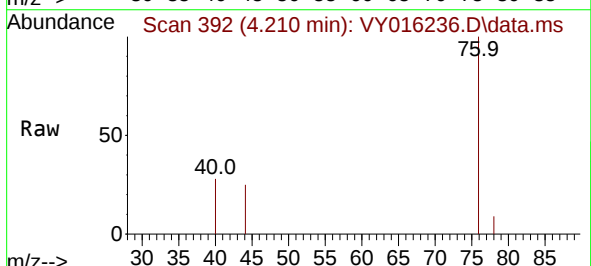
Instrument :
MSVOA_Y
ClientSampleId :
L-6(0-5)

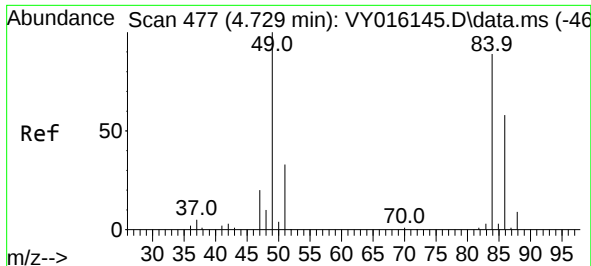
Tgt Ion:168 Resp: 108083
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#17
Carbon Disulfide
Concen: 1.081 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

Tgt Ion: 76 Resp: 2309
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

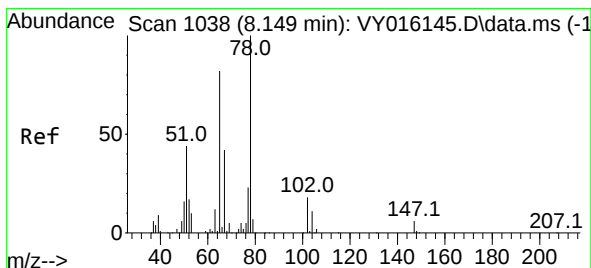
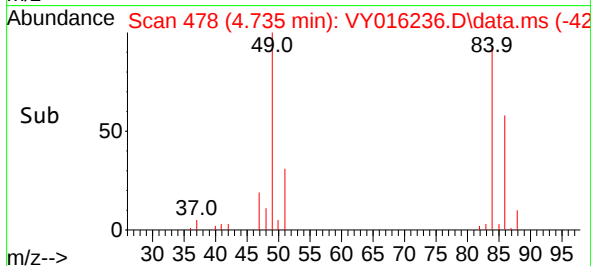
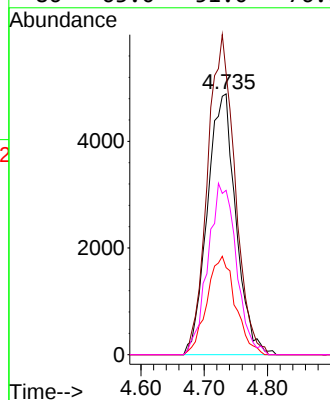
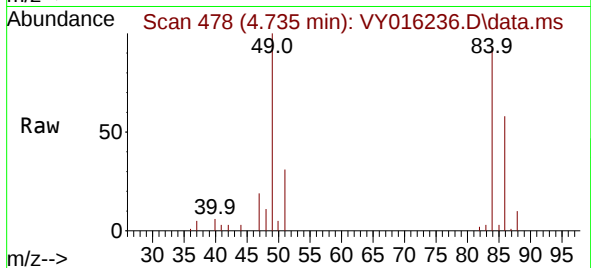




#20
Methylene Chloride
Concen: 12.620 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

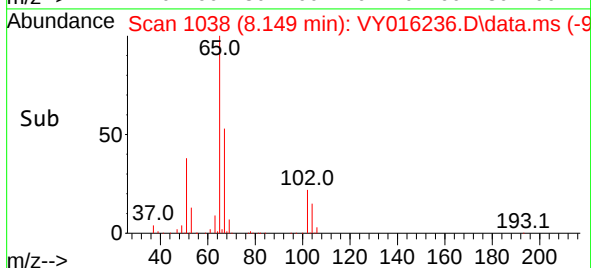
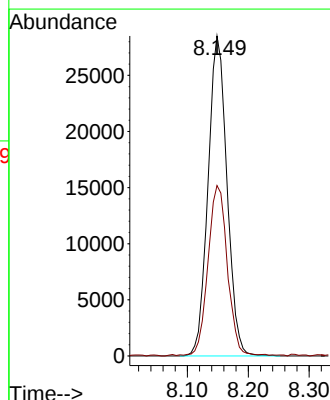
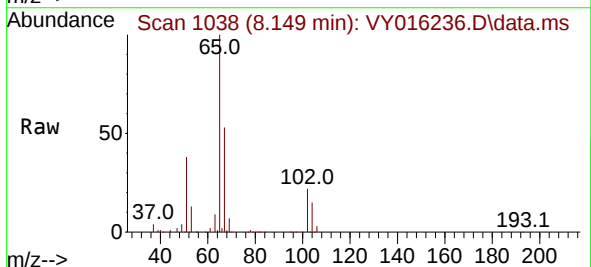
Instrument :
MSVOA_Y
ClientSampleId :
L-6(0-5)

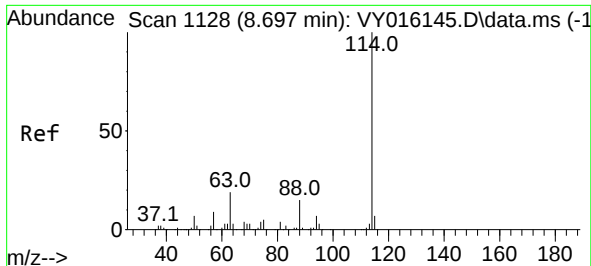
Tgt Ion:	84	Resp:	15324
Ion	Ratio	Lower	Upper
84	100		
49	107.8	106.9	160.3
51	33.4	33.2	49.8
86	63.0	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 60.854 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

Tgt Ion:	65	Resp:	61546
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY016236.D

Acq: 06 Nov 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

L-6(0-5)

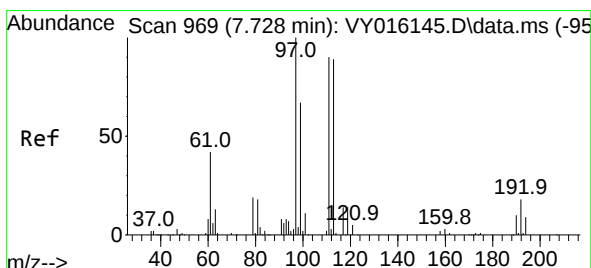
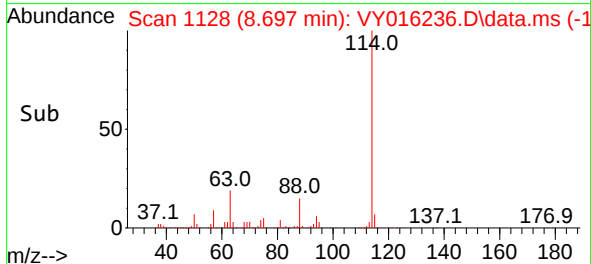
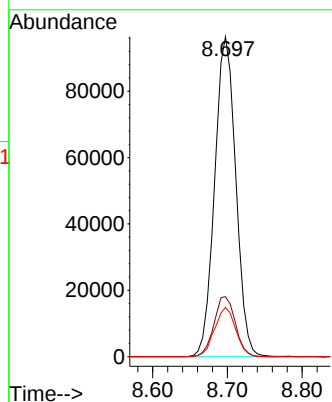
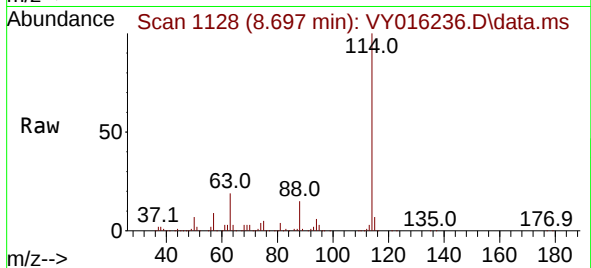
Tgt Ion:114 Resp: 189415

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.700 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016236.D

Acq: 06 Nov 2023 14:56

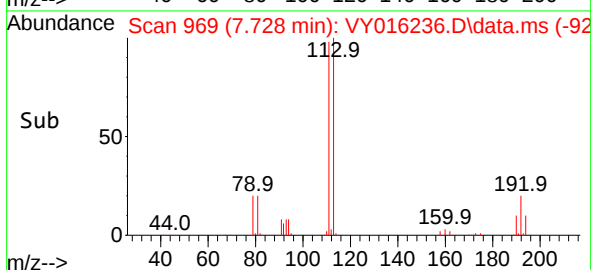
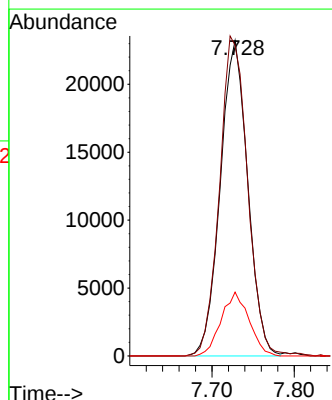
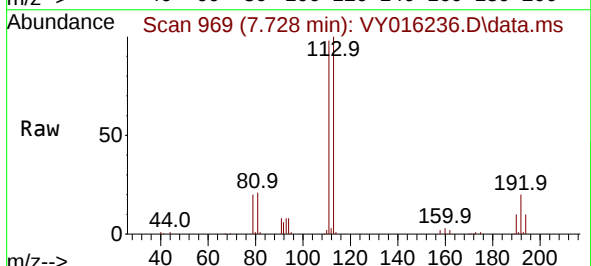
Tgt Ion:113 Resp: 53865

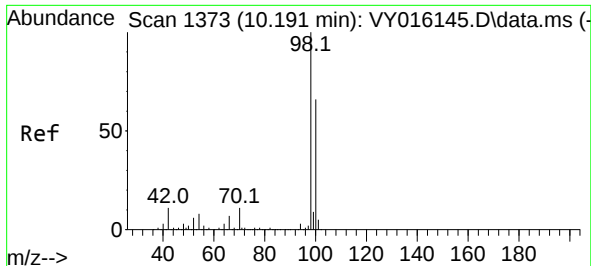
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 20.6 16.9 25.3

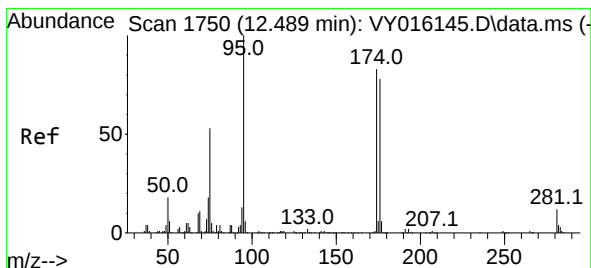
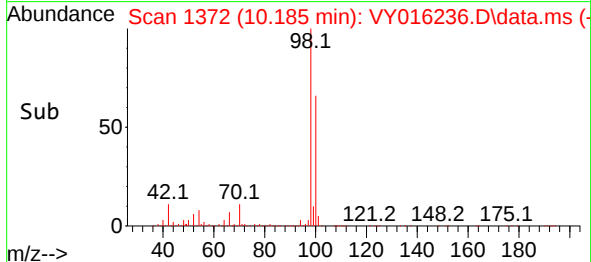
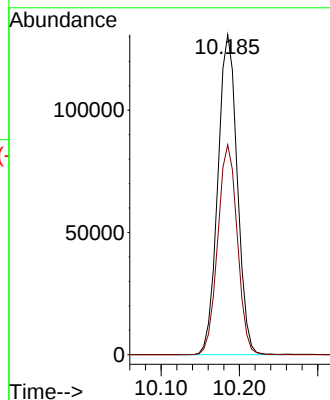
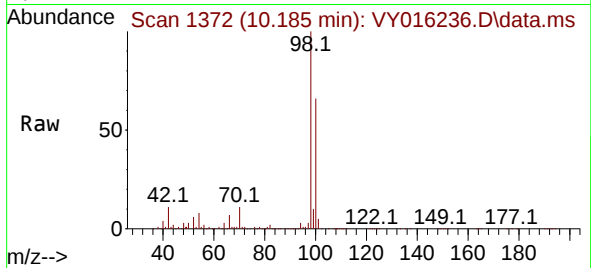




#50
Toluene-d8
Concen: 50.464 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

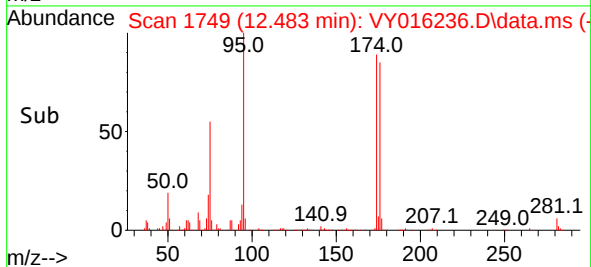
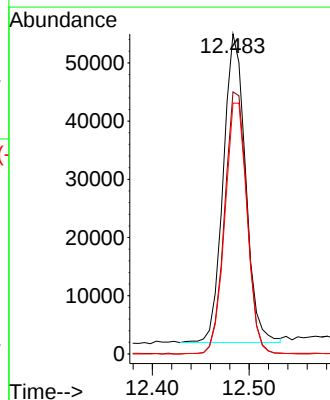
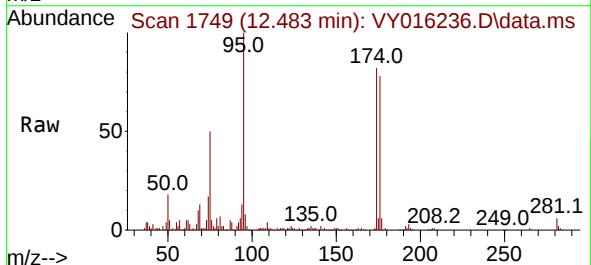
Instrument :
MSVOA_Y
ClientSampleId :
L-6(0-5)

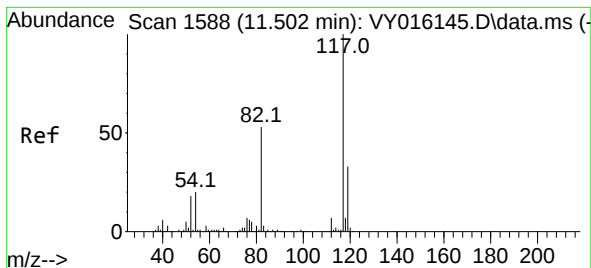
Tgt Ion: 98 Resp: 225939
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 55.375 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

Tgt Ion: 95 Resp: 84777
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 81.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016236.D

Acq: 06 Nov 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

L-6(0-5)

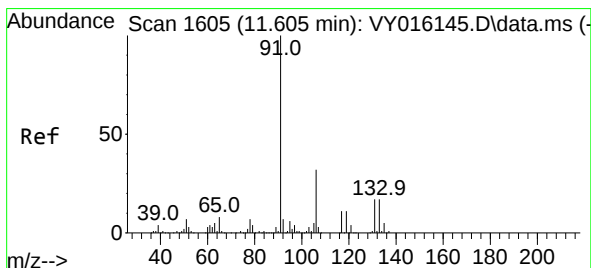
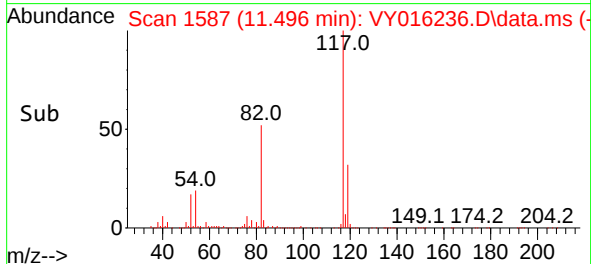
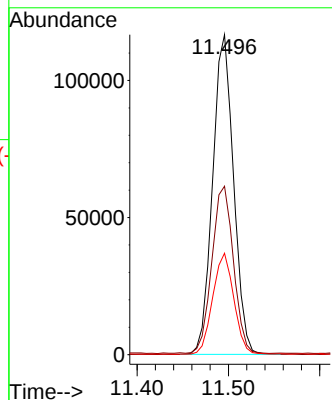
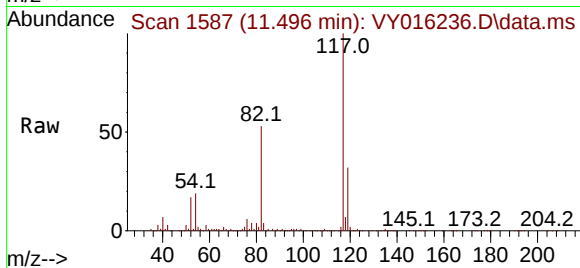
Tgt Ion:117 Resp: 185138

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 31.6 26.3 39.5



#67

Ethyl Benzene

Concen: 3.377 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.006 min

Lab File: VY016236.D

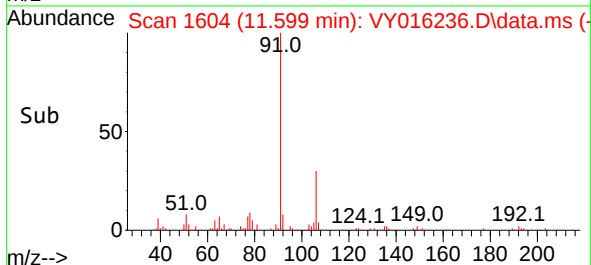
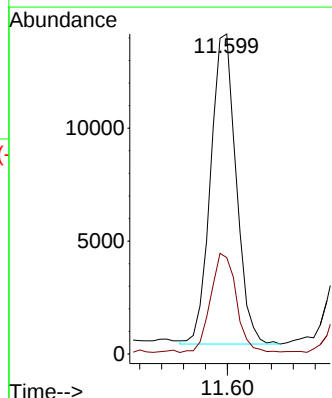
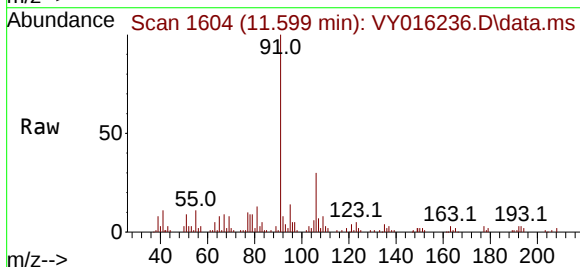
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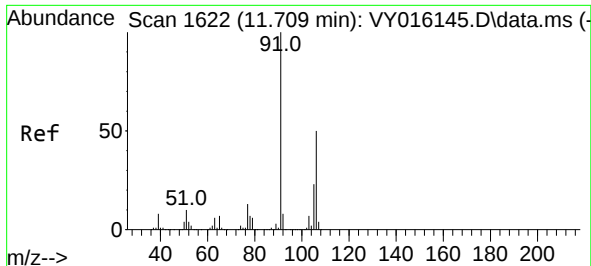
Tgt Ion: 91 Resp: 22219

Ion Ratio Lower Upper

91 100

106 30.6 24.6 36.8

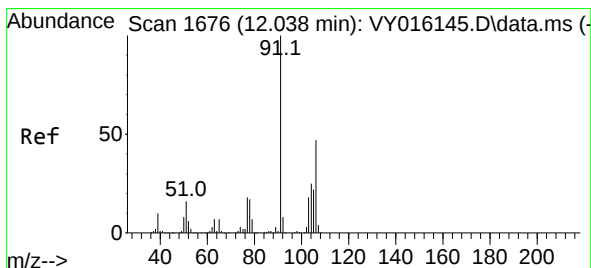
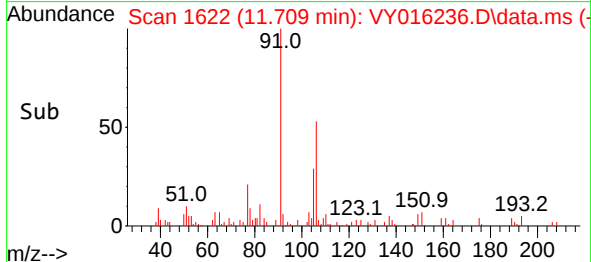
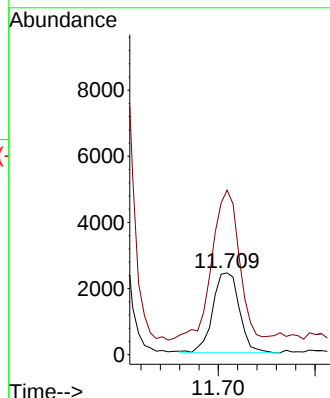
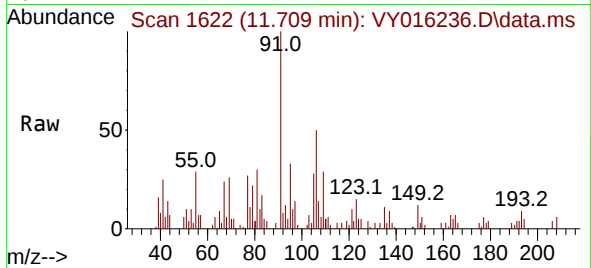




#68
m/p-Xylenes
Concen: 1.813 ug/l
RT: 11.709 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

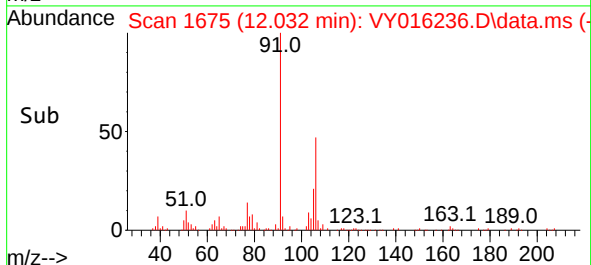
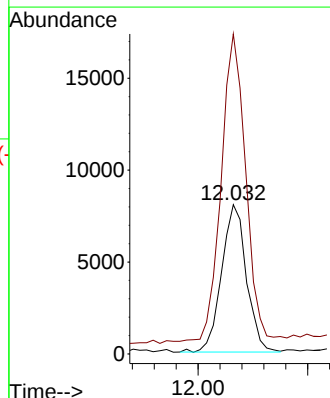
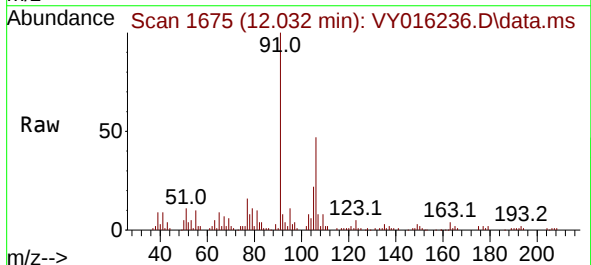
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MSVOA_Y
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L-6(0-5)

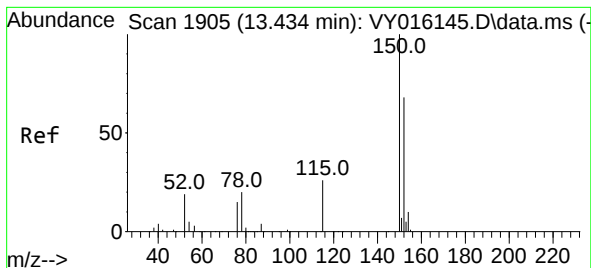
Tgt Ion:106 Resp: 4608
Ion Ratio Lower Upper
106 100
91 193.9 166.1 249.1



#69
o-Xylene
Concen: 5.199 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VY016236.D
Acq: 06 Nov 2023 14:56

Tgt Ion:106 Resp: 12620
Ion Ratio Lower Upper
106 100
91 205.3 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016236.D

Acq: 06 Nov 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

L-6(0-5)

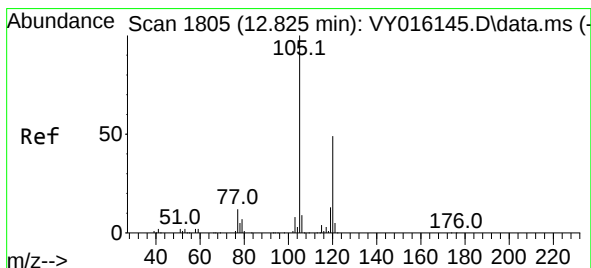
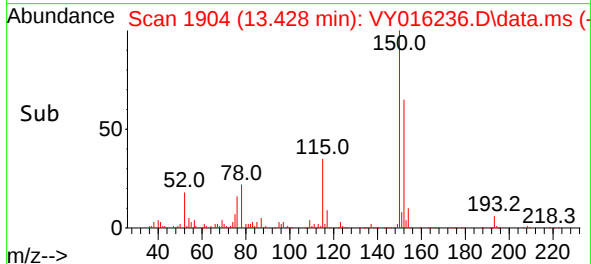
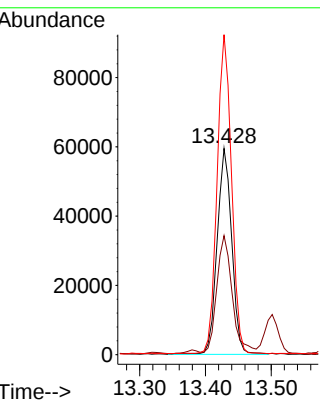
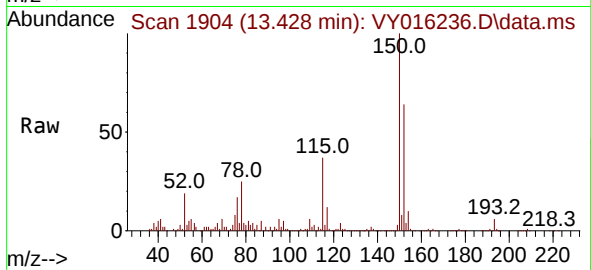
Tgt Ion:152 Resp: 92008

Ion Ratio Lower Upper

152 100

115 60.9 28.8 86.5

150 152.4 0.0 348.8



#80

1,3,5-Trimethylbenzene

Concen: 8.683 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. -0.012 min

Lab File: VY016236.D

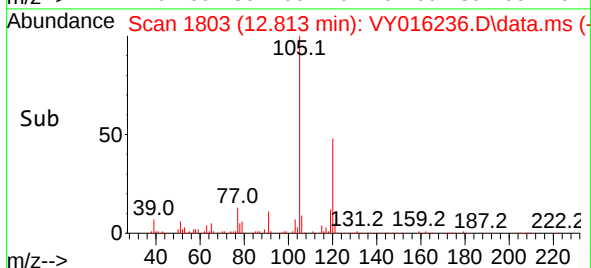
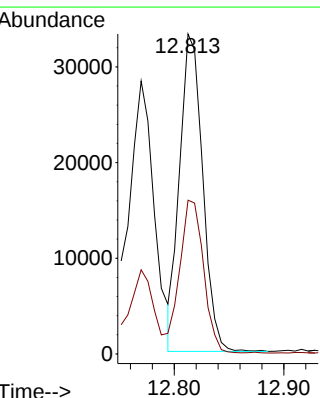
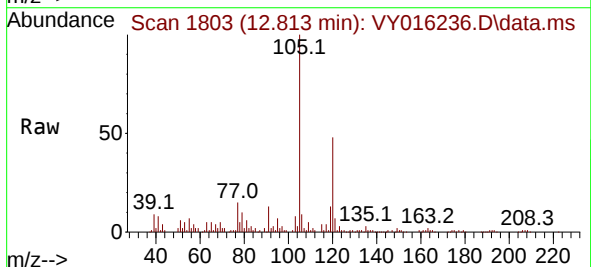
Acq: 06 Nov 2023 14:56

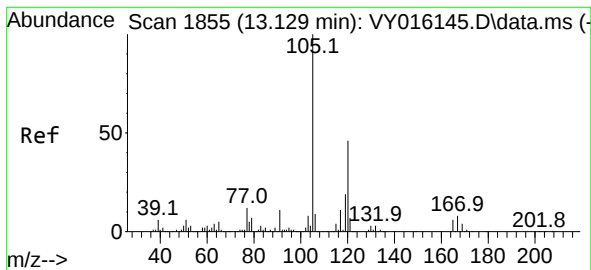
Tgt Ion:105 Resp: 48549

Ion Ratio Lower Upper

105 100

120 50.5 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 30.246 ug/l

RT: 13.123 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016236.D

Acq: 06 Nov 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

L-6(0-5)

Tgt Ion:105 Resp: 167347

Ion Ratio Lower Upper

105 100

120 46.2 22.2 66.6

