

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
 Data File : VY019685.D
 Acq On : 24 Sep 2024 16:18
 Operator : SY/MD
 Sample : P4168-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-09242024

Quant Time: Sep 25 01:27:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

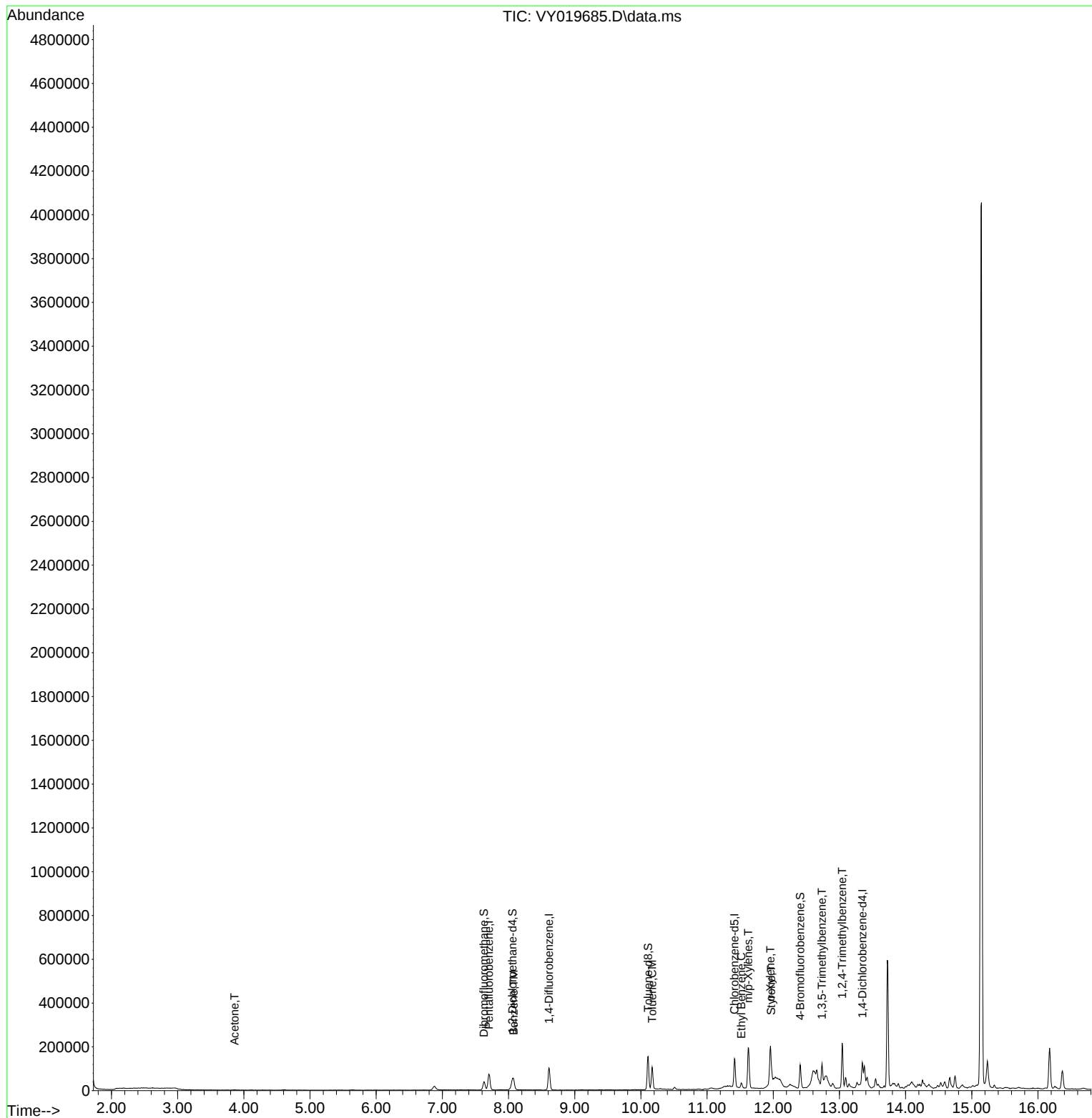
Internal Standards						
1) Pentafluorobenzene	7.701	168	54251	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	88244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	70734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	27066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	26300	52.354	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.700%	
35) Dibromofluoromethane	7.628	113	26599	53.163	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.320%	
50) Toluene-d8	10.109	98	96295	52.035	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.060%	
62) 4-Bromofluorobenzene	12.408	95	30383	42.699	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 85.400%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	2280	19.051	ug/l	# 61
40) Benzene	8.079	78	33343	15.901	ug/l	91
52) Toluene	10.170	92	40414	29.967	ug/l	97
67) Ethyl Benzene	11.518	91	14925	6.037	ug/l	97
68) m/p-Xylenes	11.621	106	56909	60.877	ug/l	98
69) o-Xylene	11.957	106	38680	42.309	ug/l	95
70) Styrene	11.969	104	22731	14.727	ug/l	# 71
80) 1,3,5-Trimethylbenzene	12.737	105	43983	27.553	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	105823	66.972	ug/l	97

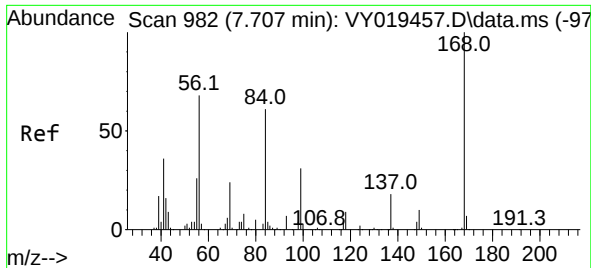
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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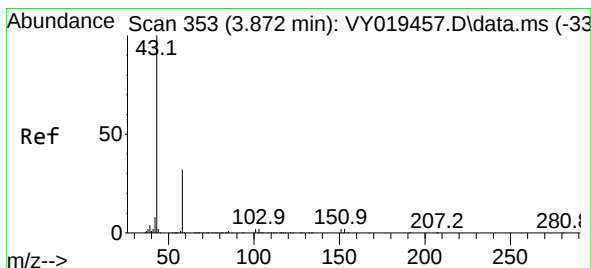
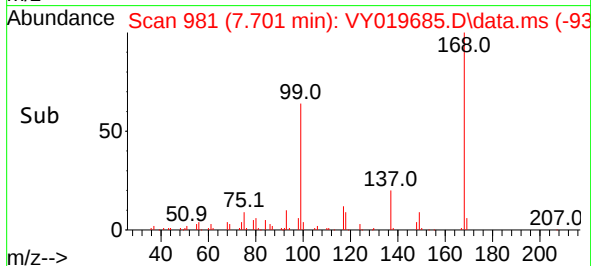
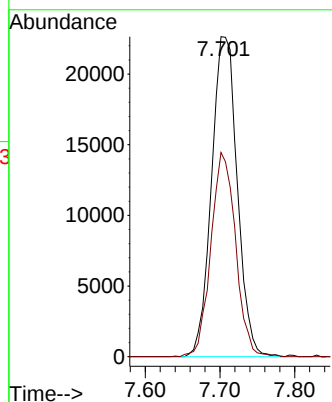
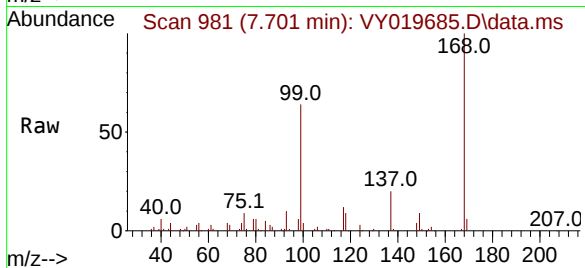




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

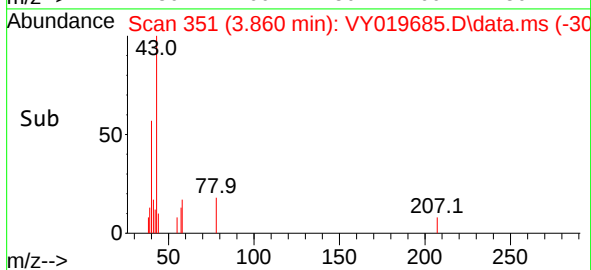
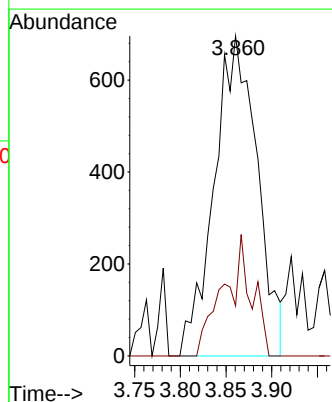
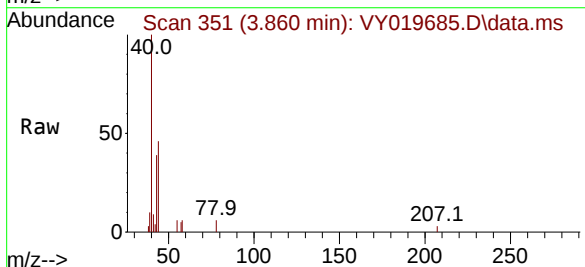
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-09242024

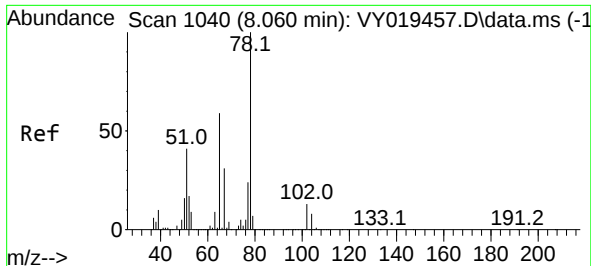
Tgt Ion:168 Resp: 54251
Ion Ratio Lower Upper
168 100
99 63.8 39.1 58.7#



#16
Acetone
Concen: 19.051 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
58 15.7 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 52.354 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019685.D

Acq: 24 Sep 2024 16:18

Instrument :

MSVOA_Y

ClientSampleId :

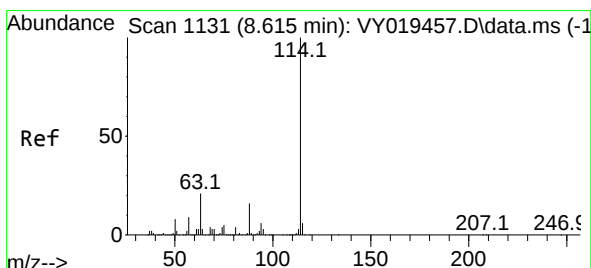
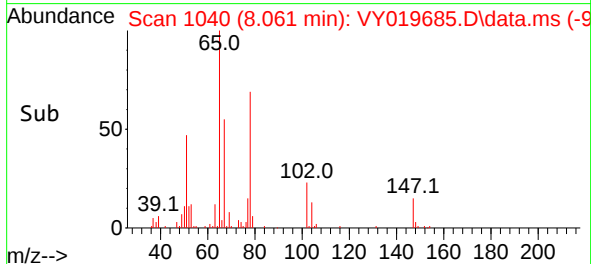
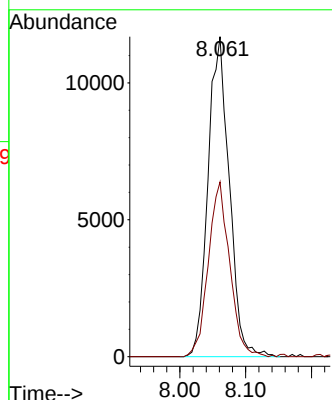
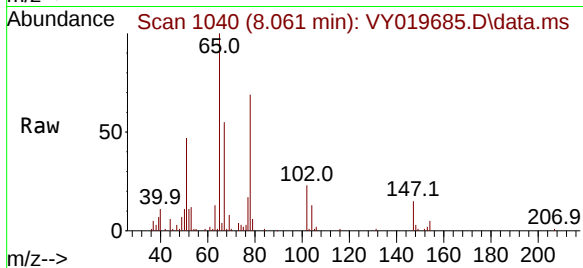
SU-04-09242024

Tgt Ion: 65 Resp: 26300

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019685.D

Acq: 24 Sep 2024 16:18

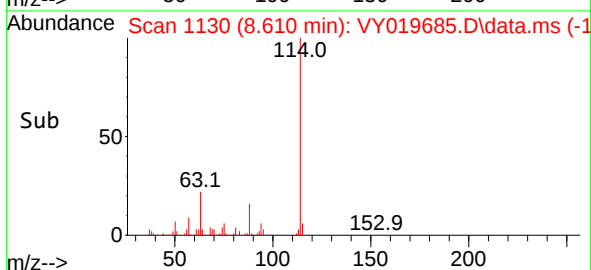
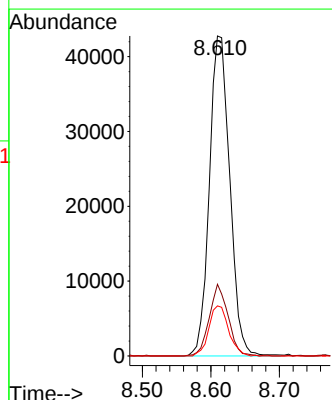
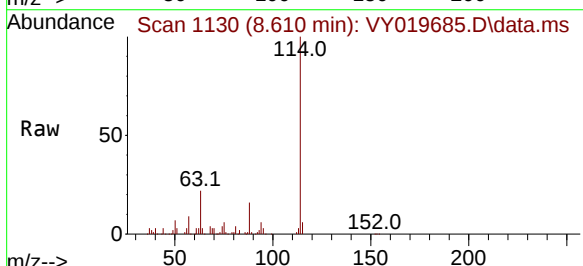
Tgt Ion: 114 Resp: 88244

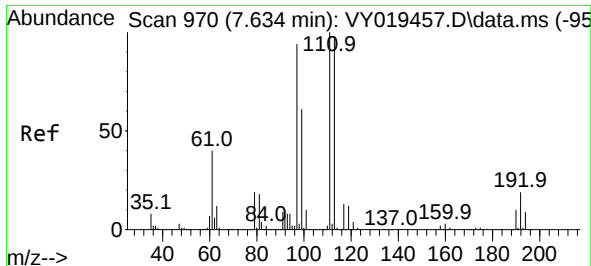
Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.0

88 15.7 0.0 27.2

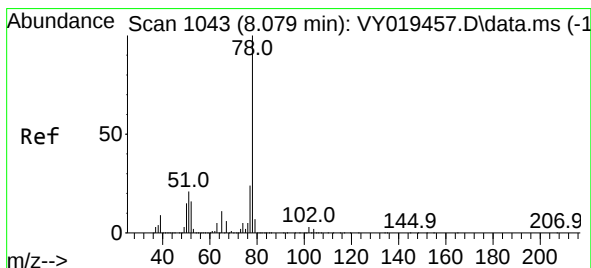
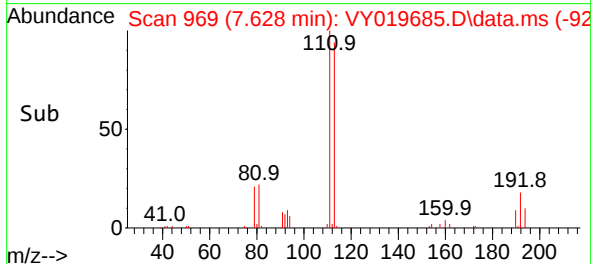
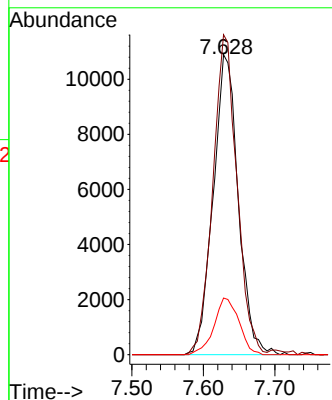
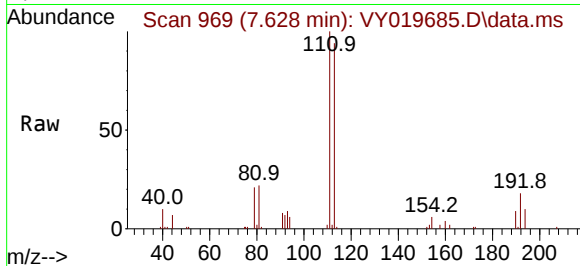




#35
 Dibromofluoromethane
 Concen: 53.163 ug/l
 RT: 7.628 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VY019685.D
 Acq: 24 Sep 2024 16:18

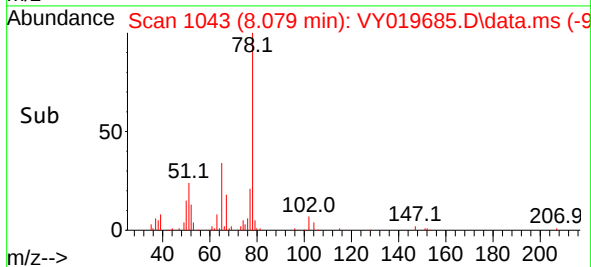
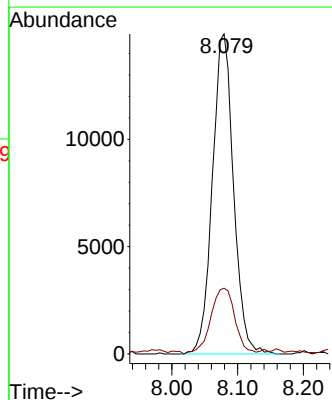
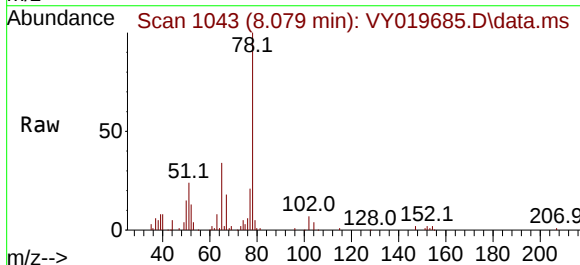
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-09242024

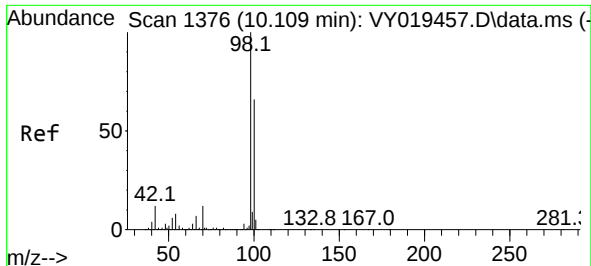
Tgt Ion:	113	Resp:	26599
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	18.7	15.9	23.9



#40
 Benzene
 Concen: 15.901 ug/l
 RT: 8.079 min Scan# 1043
 Delta R.T. 0.000 min
 Lab File: VY019685.D
 Acq: 24 Sep 2024 16:18

Tgt Ion:	78	Resp:	33343
Ion	Ratio	Lower	Upper
78	100		
77	19.8	19.5	29.3

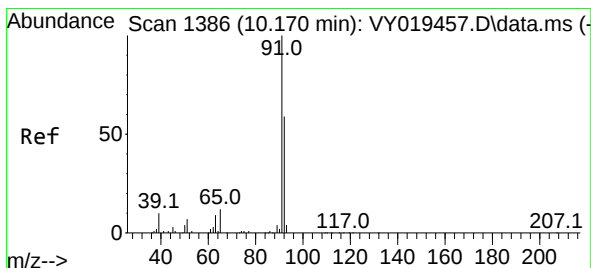
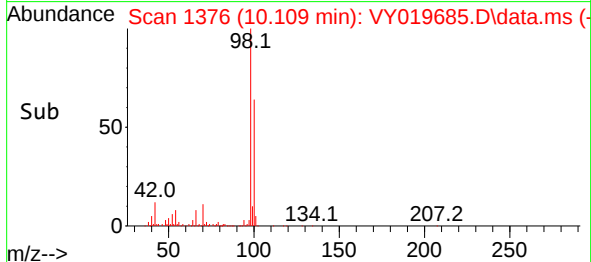
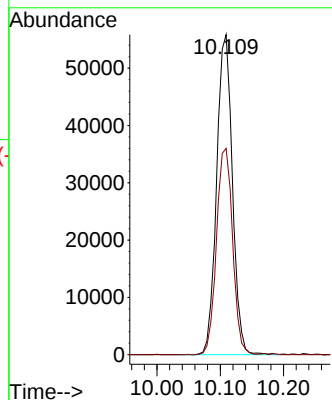
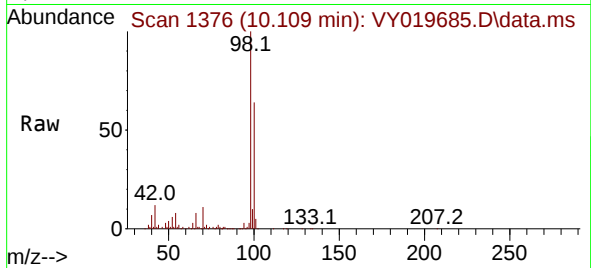




#50
Toluene-d8
Concen: 52.035 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

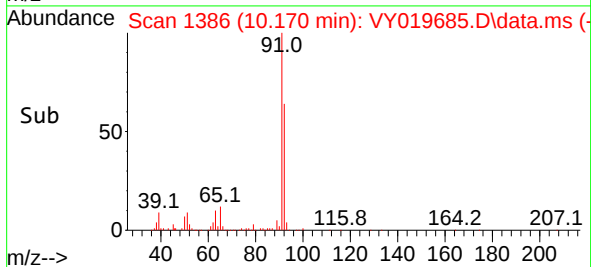
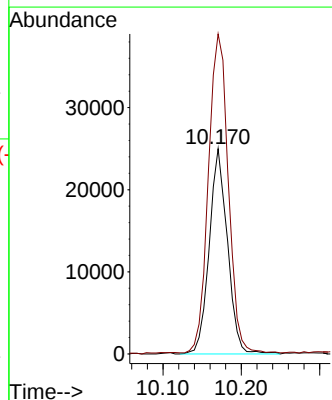
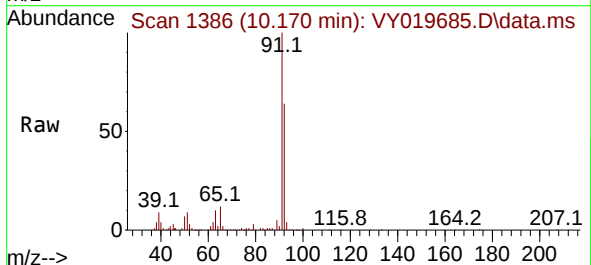
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-09242024

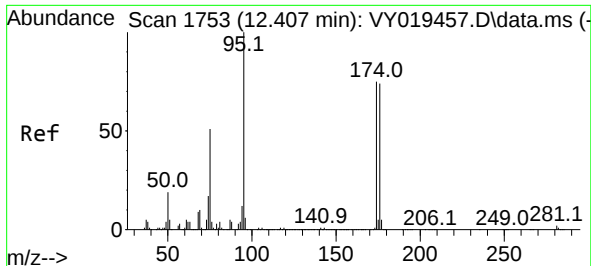
Tgt Ion: 98 Resp: 96295
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0



#52
Toluene
Concen: 29.967 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

Tgt Ion: 92 Resp: 40414
Ion Ratio Lower Upper
92 100
91 169.0 139.0 208.6

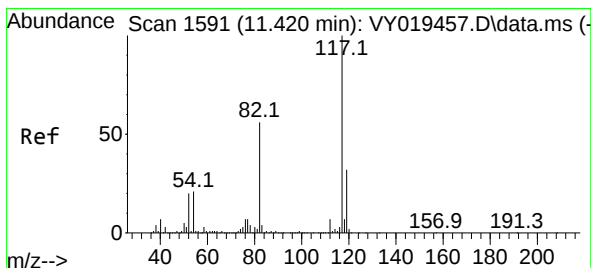
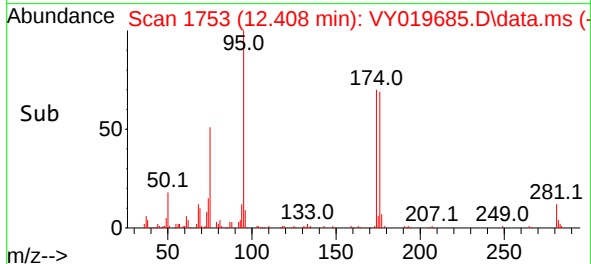
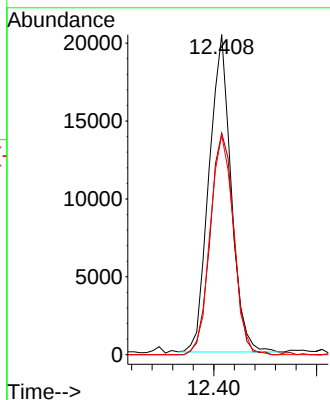
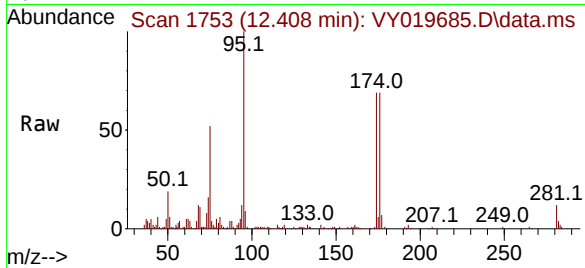




#62
4-Bromofluorobenzene
Concen: 42.699 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

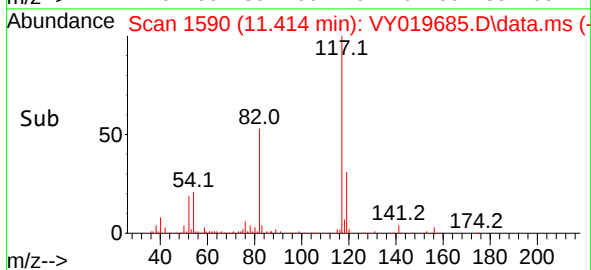
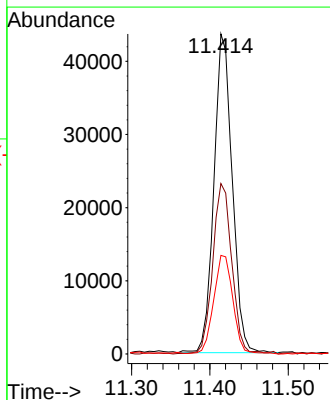
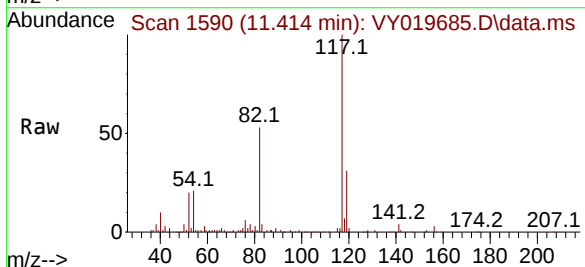
Instrument :
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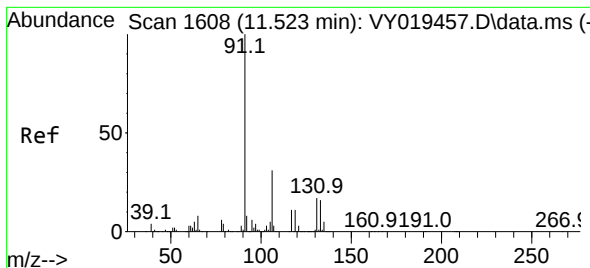
Tgt Ion: 95 Resp: 30383
Ion Ratio Lower Upper
95 100
174 74.4 0.0 175.6
176 73.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

Tgt Ion: 117 Resp: 70734
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 30.9 25.9 38.9





#67

Ethyl Benzene

Concen: 6.037 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019685.D

Acq: 24 Sep 2024 16:18

Instrument :

MSVOA_Y

ClientSampleId :

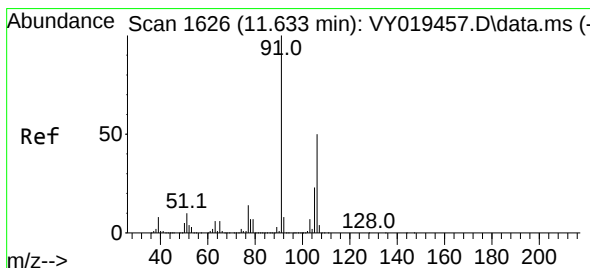
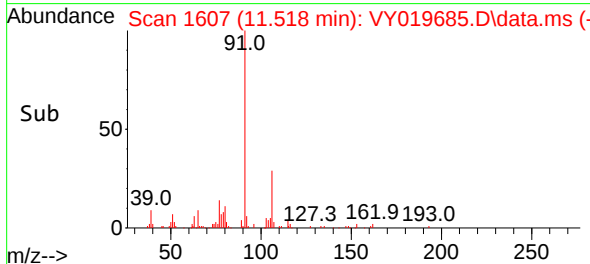
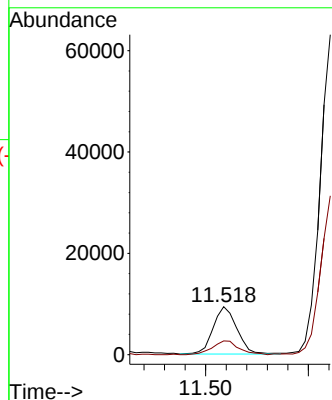
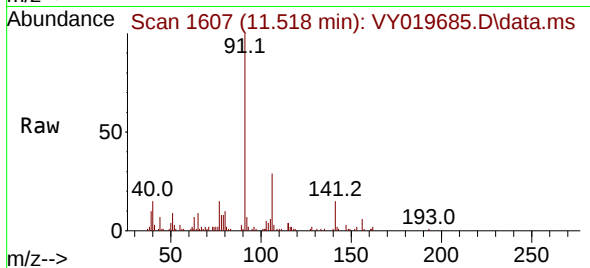
SU-04-09242024

Tgt Ion: 91 Resp: 14925

Ion Ratio Lower Upper

91 100

106 29.2 24.5 36.7



#68

m/p-Xylenes

Concen: 60.877 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY019685.D

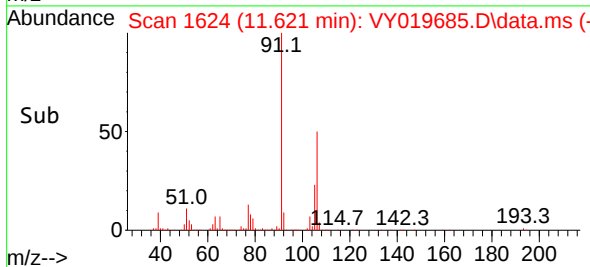
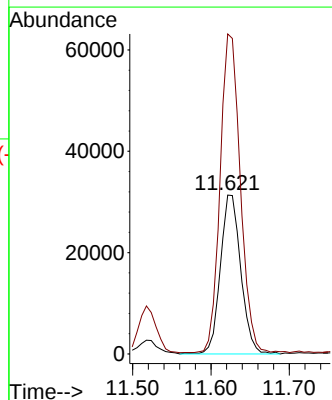
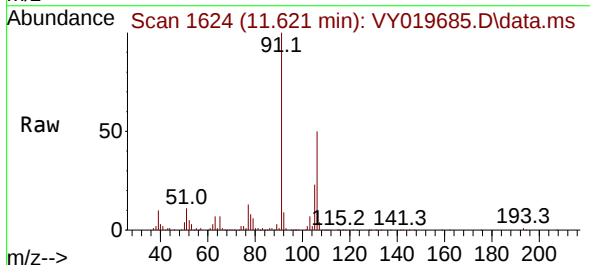
Acq: 24 Sep 2024 16:18

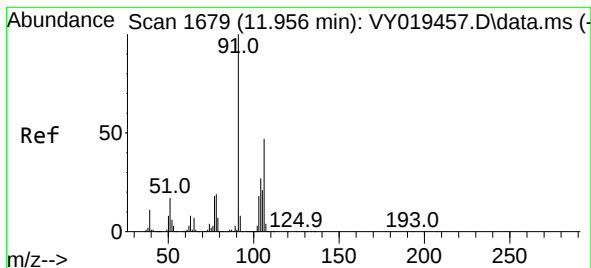
Tgt Ion:106 Resp: 56909

Ion Ratio Lower Upper

106 100

91 198.4 156.0 234.0

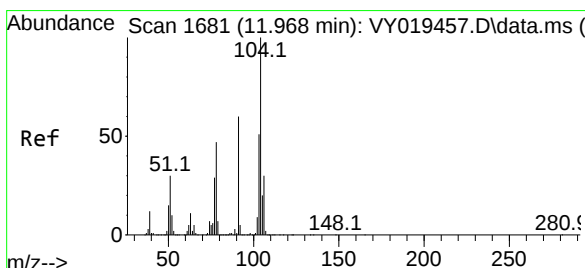
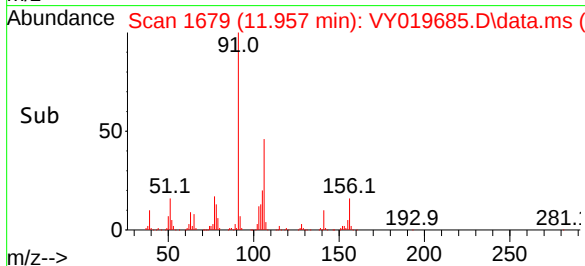
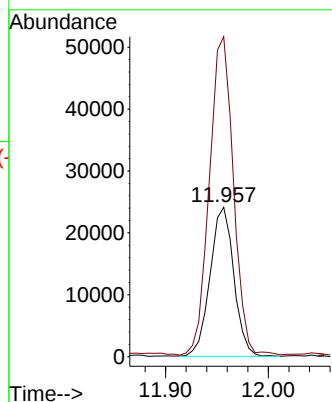
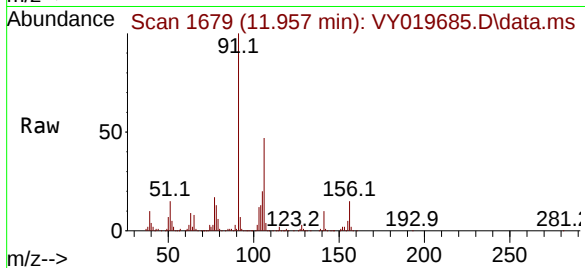




#69
o-Xylene
Concen: 42.309 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

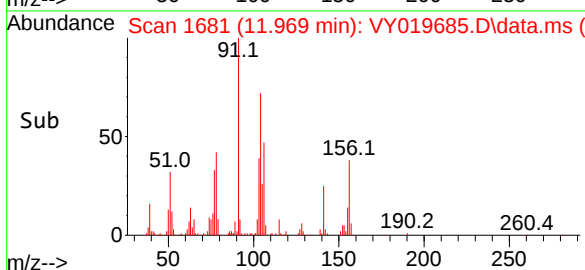
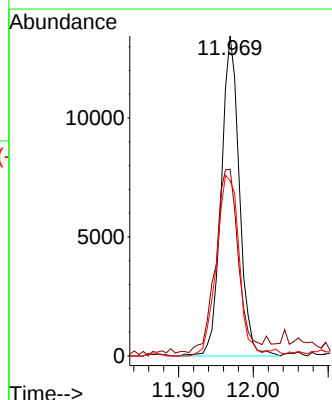
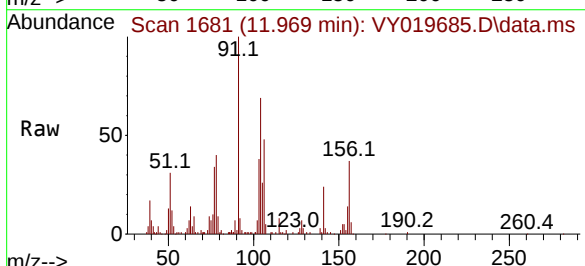
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-09242024

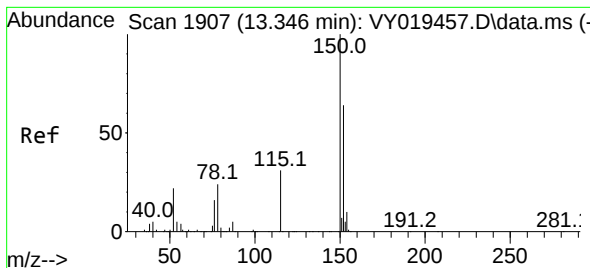
Tgt Ion:106 Resp: 38680
Ion Ratio Lower Upper
106 100
91 215.6 103.6 310.8



#70
Styrene
Concen: 14.727 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY019685.D
Acq: 24 Sep 2024 16:18

Tgt Ion:104 Resp: 22731
Ion Ratio Lower Upper
104 100
78 71.5 37.0 55.4#
103 70.2 44.2 66.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019685.D

Acq: 24 Sep 2024 16:18

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-09242024

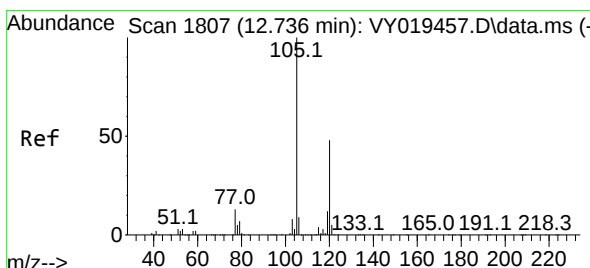
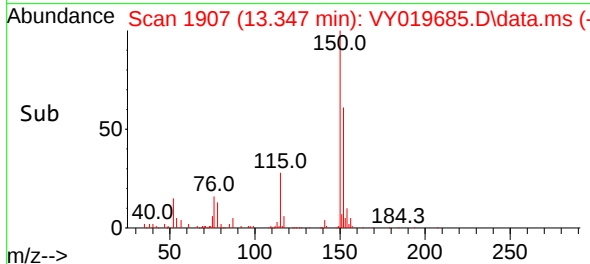
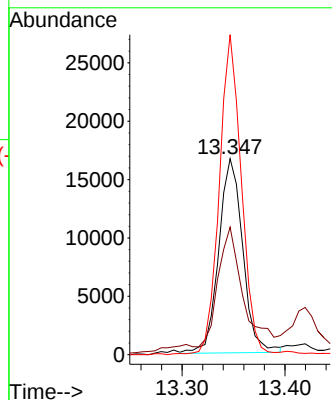
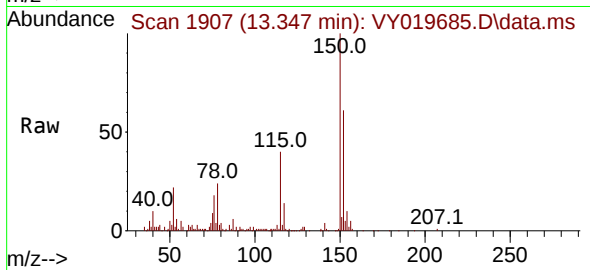
Tgt Ion:152 Resp: 27066

Ion Ratio Lower Upper

152 100

115 76.4 28.2 84.7

150 150.7 0.0 345.6



#80

1,3,5-Trimethylbenzene

Concen: 27.553 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019685.D

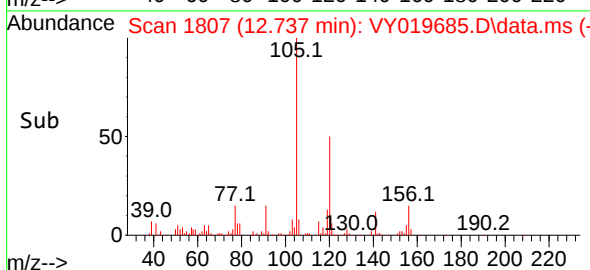
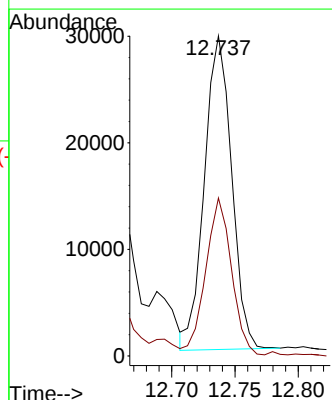
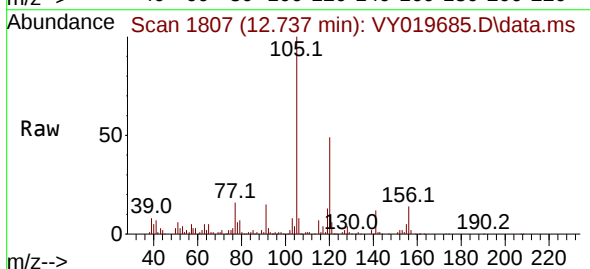
Acq: 24 Sep 2024 16:18

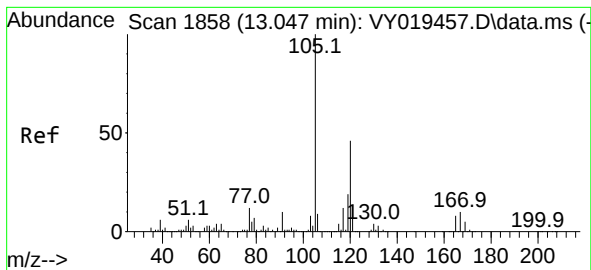
Tgt Ion:105 Resp: 43983

Ion Ratio Lower Upper

105 100

120 47.6 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 66.972 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019685.D

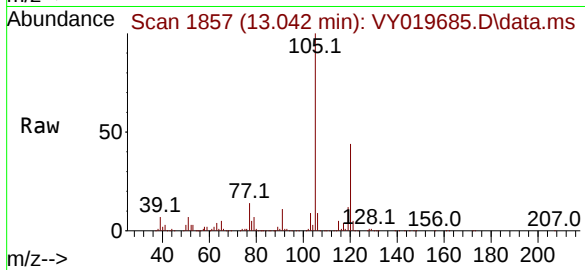
Acq: 24 Sep 2024 16:18

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-09242024



Tgt Ion:105 Resp: 105823

Ion Ratio Lower Upper

105 100

120 44.5 23.2 69.6

