

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022345.D
 Acq On : 20 May 2025 16:09
 Operator : SY/MD
 Sample : Q2075-03
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-11

Quant Time: May 21 01:51:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

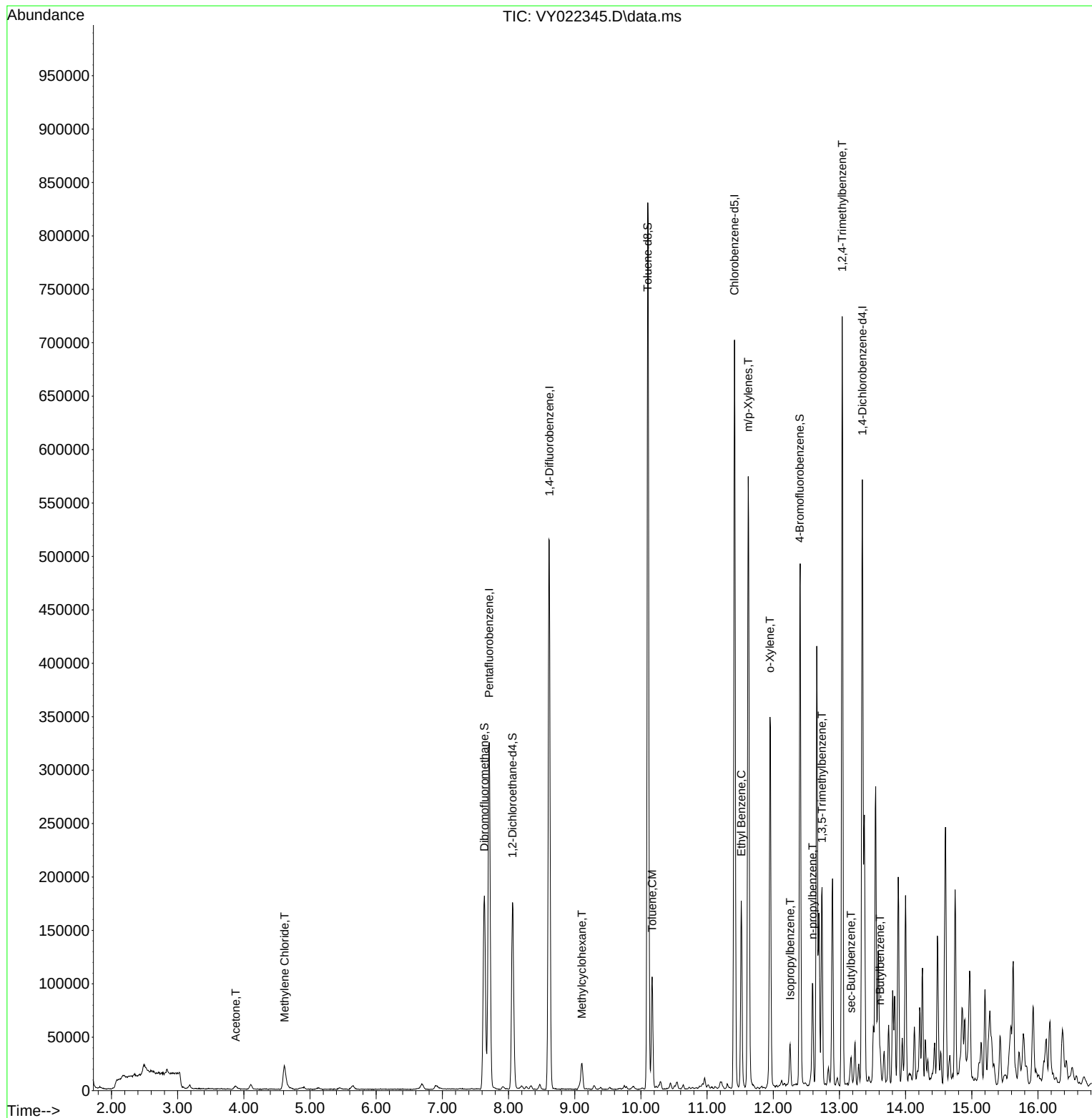
Internal Standards						
1) Pentafluorobenzene	7.707	168	239791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	432569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	345893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122461	46.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.460%
35) Dibromofluoromethane	7.634	113	125981	48.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.600%
50) Toluene-d8	10.103	98	514605	48.667	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.401	95	132386	39.499	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.000%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	5473	11.138	ug/l #	89
20) Methylene Chloride	4.616	84	14696	4.628	ug/l	94
39) Methylcyclohexane	9.109	83	10764	1.884	ug/l	88
52) Toluene	10.170	92	42034	5.265	ug/l	98
67) Ethyl Benzene	11.517	91	114266	7.819	ug/l	100
68) m/p-Xylenes	11.621	106	163448	29.680	ug/l	96
69) o-Xylene	11.950	106	87953	16.880	ug/l	100
73) Isopropylbenzene	12.255	105	23017	2.127	ug/l	94
78) n-propylbenzene	12.596	91	70774	5.421	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	86309	9.879	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	350537	40.417	ug/l	97
85) sec-Butylbenzene	13.176	105	16558	1.436	ug/l	87
89) n-Butylbenzene	13.615	91	13194	1.439	ug/l #	74

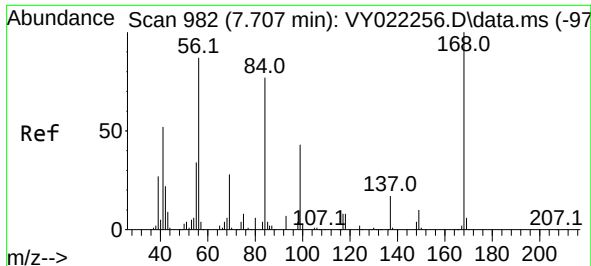
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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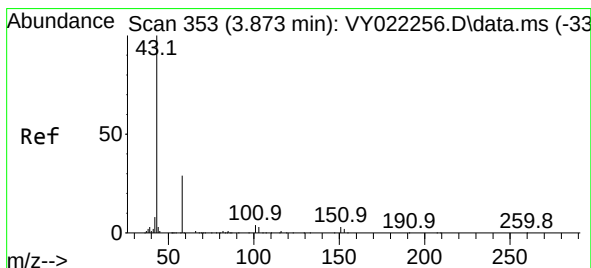
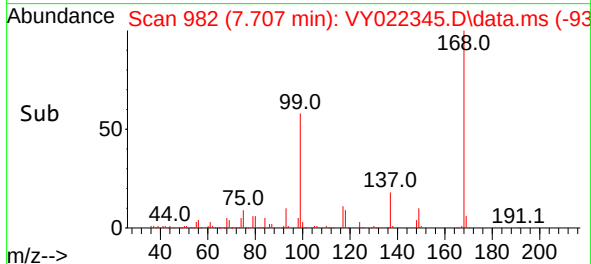
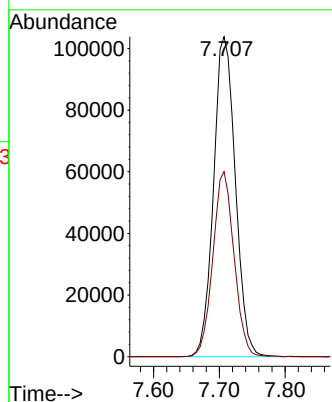
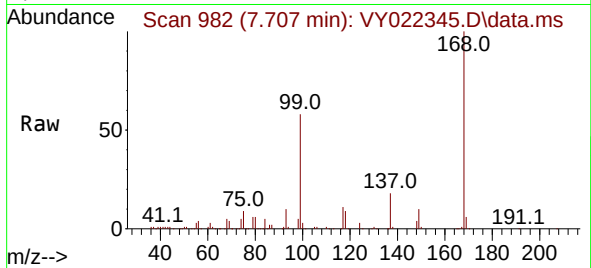




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

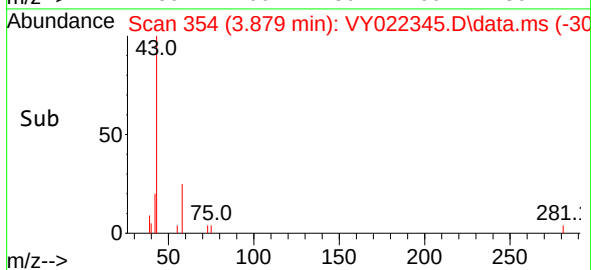
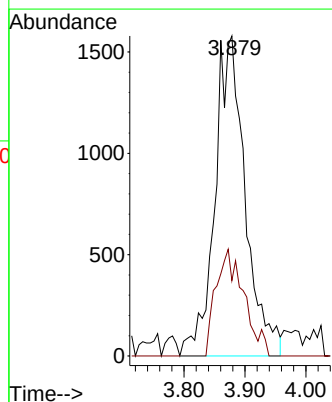
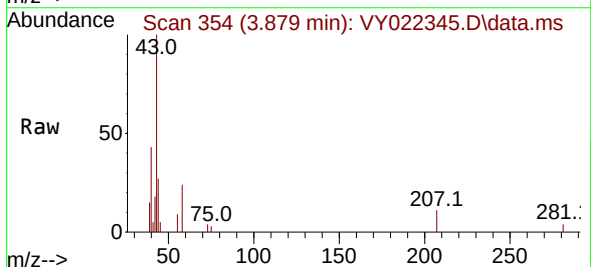
Instrument :
MSVOA_Y
ClientSampleId :
SS-11

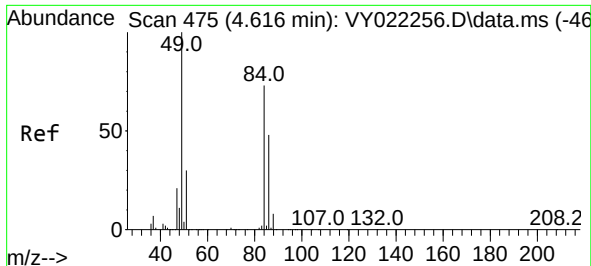
Tgt Ion:168 Resp: 239791
Ion Ratio Lower Upper
168 100
99 57.8 44.2 66.4



#16
Acetone
Concen: 11.138 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion: 43 Resp: 5473
Ion Ratio Lower Upper
43 100
58 23.6 23.6 35.4#

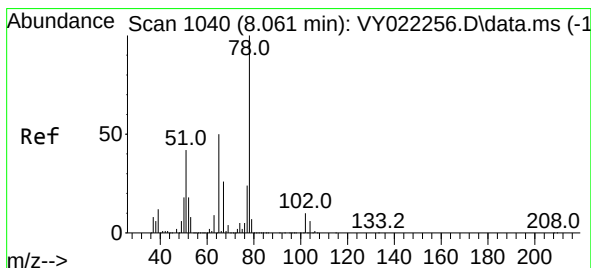
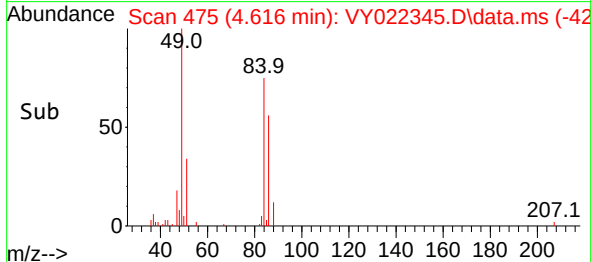
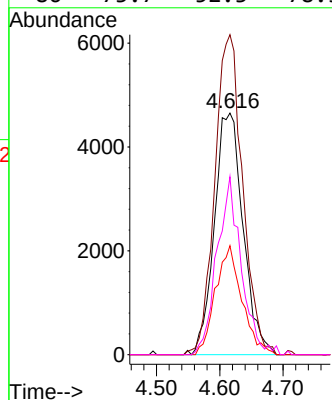
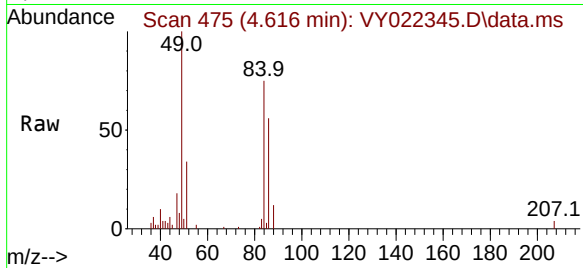




#20
Methylene Chloride
Concen: 4.628 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

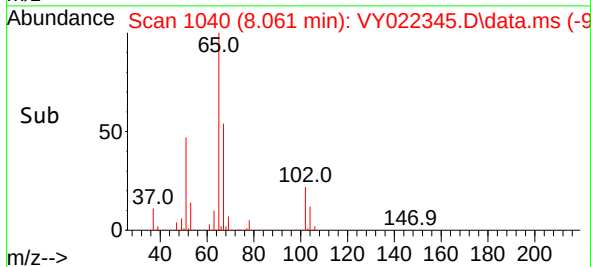
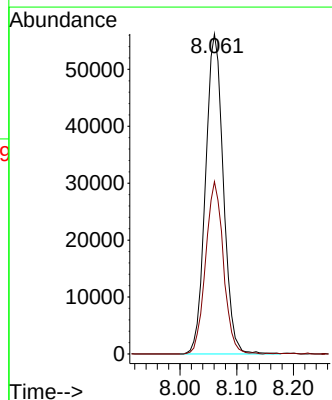
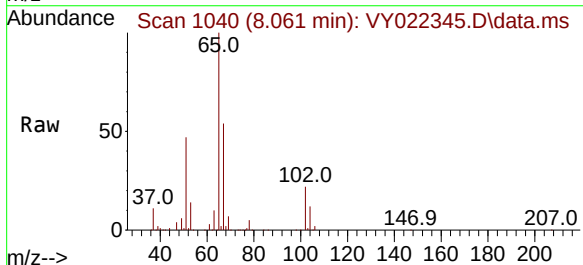
Instrument :
MSVOA_Y
ClientSampleId :
SS-11

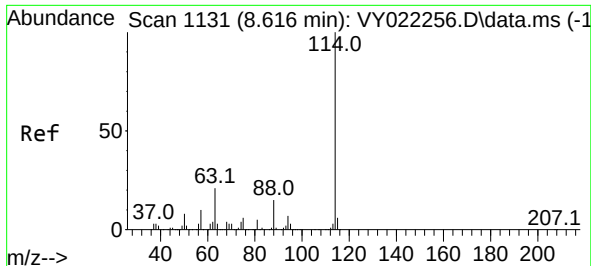
Tgt Ion:	84	Resp:	14696
Ion	Ratio	Lower	Upper
84	100		
49	132.5	109.6	164.4
51	45.1	32.4	48.6
86	73.7	52.3	78.5



#33
1,2-Dichloroethane-d4
Concen: 46.729 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:	65	Resp:	122461
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022345.D

Acq: 20 May 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

SS-11

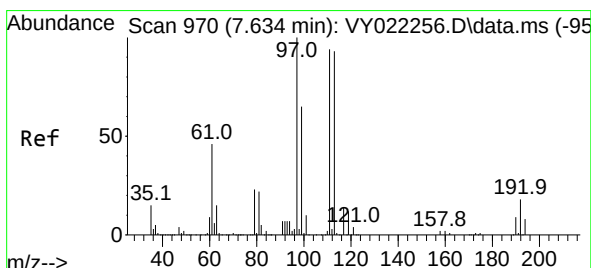
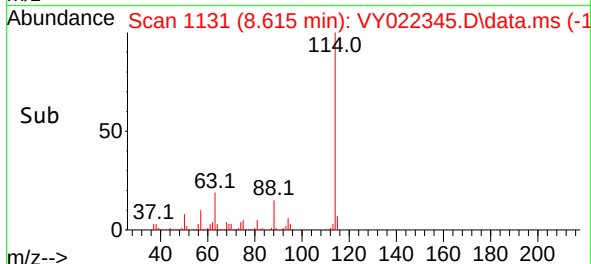
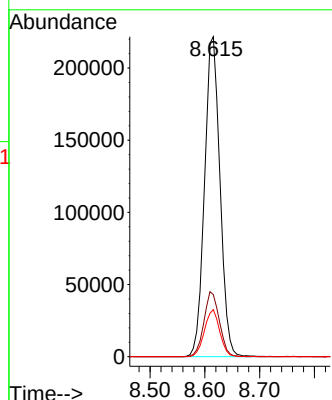
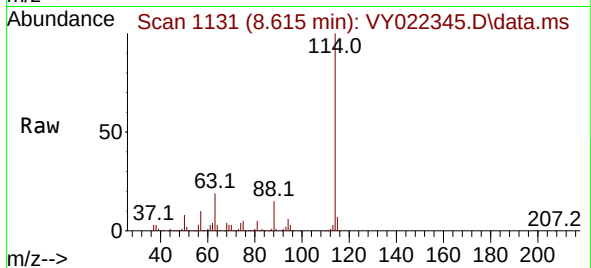
Tgt Ion:114 Resp: 432569

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.795 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022345.D

Acq: 20 May 2025 16:09

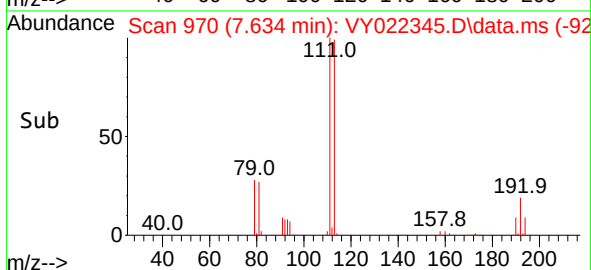
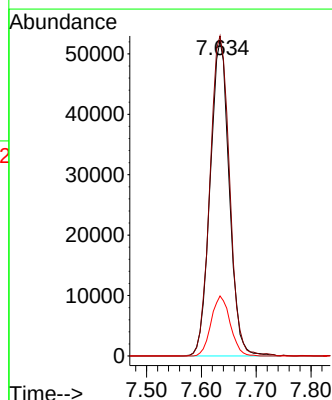
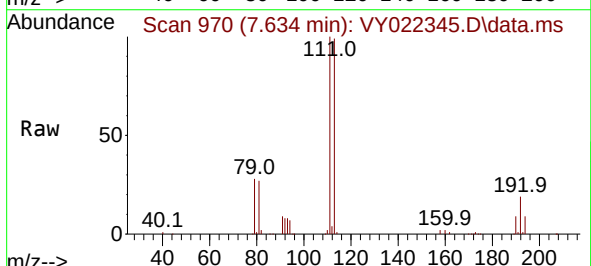
Tgt Ion:113 Resp: 125981

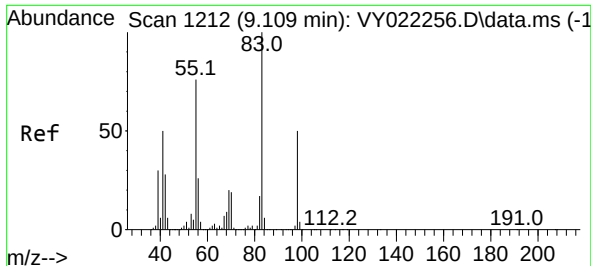
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 19.0 15.2 22.8





#39

Methylcyclohexane

Concen: 1.884 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022345.D

Acq: 20 May 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

SS-11

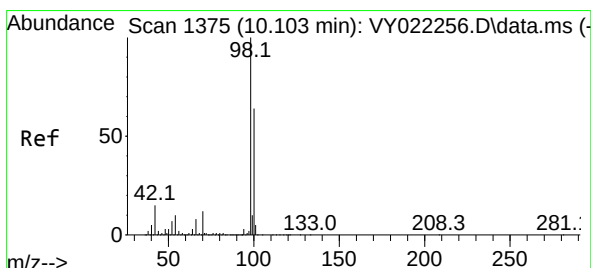
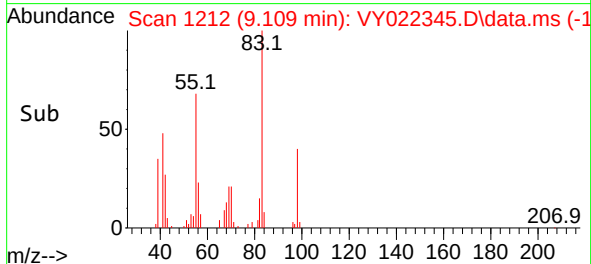
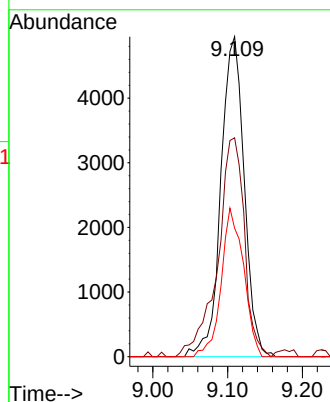
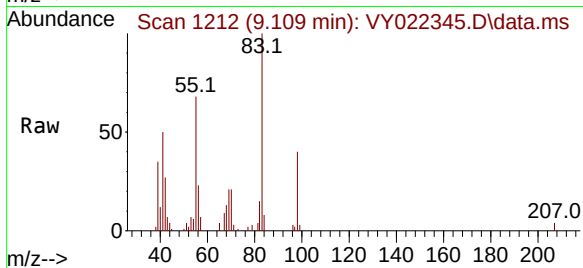
Tgt Ion: 83 Resp: 10764

Ion Ratio Lower Upper

83 100

55 67.3 60.6 90.8

98 40.1 40.0 60.0



#50

Toluene-d8

Concen: 48.667 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022345.D

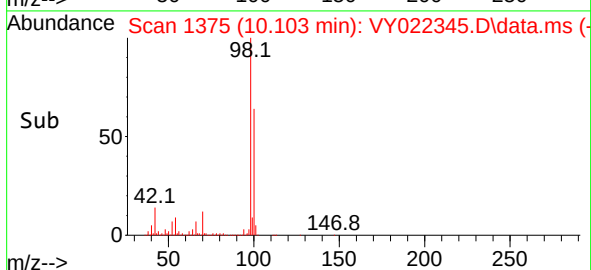
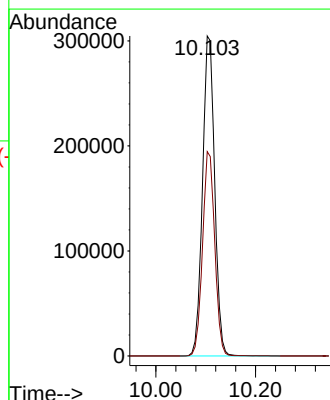
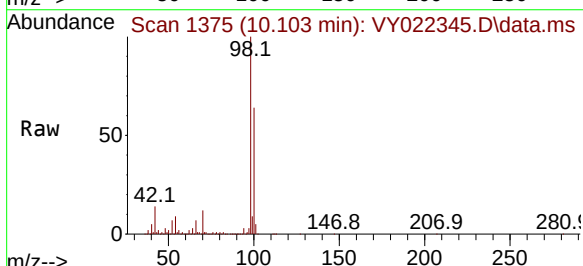
Acq: 20 May 2025 16:09

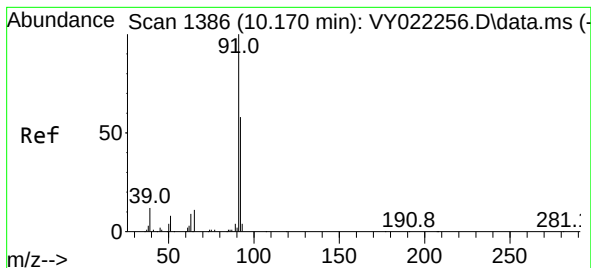
Tgt Ion: 98 Resp: 514605

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.8





#52

Toluene

Concen: 5.265 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY022345.D

Acq: 20 May 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

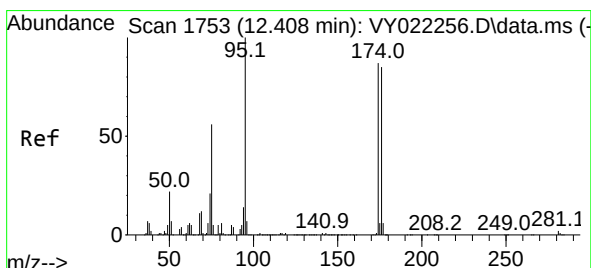
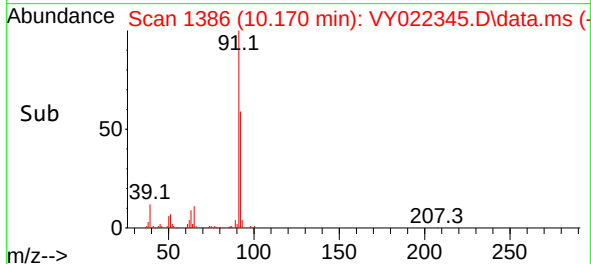
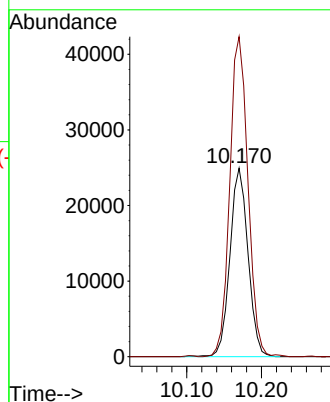
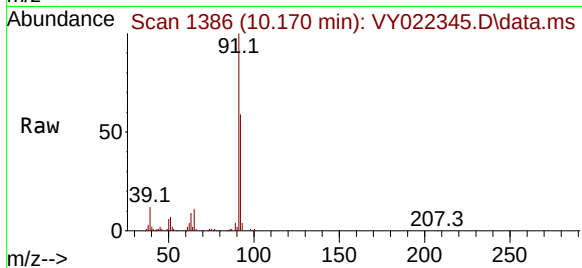
SS-11

Tgt Ion: 92 Resp: 42034

Ion Ratio Lower Upper

92 100

91 170.5 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 39.499 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022345.D

Acq: 20 May 2025 16:09

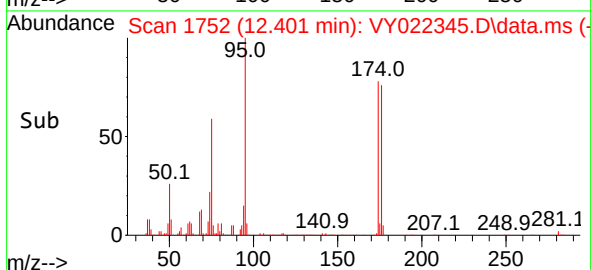
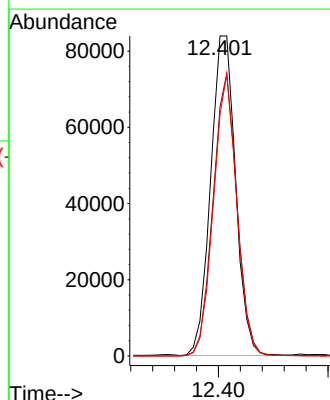
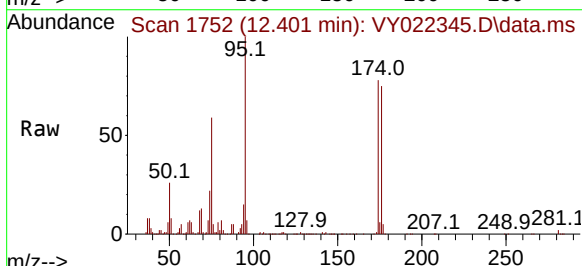
Tgt Ion: 95 Resp: 132386

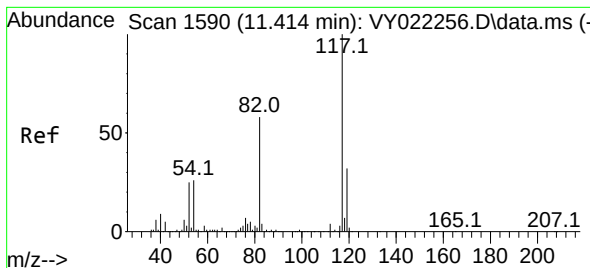
Ion Ratio Lower Upper

95 100

174 84.7 0.0 166.8

176 82.3 0.0 160.8

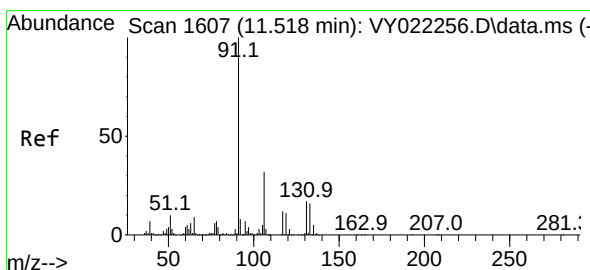
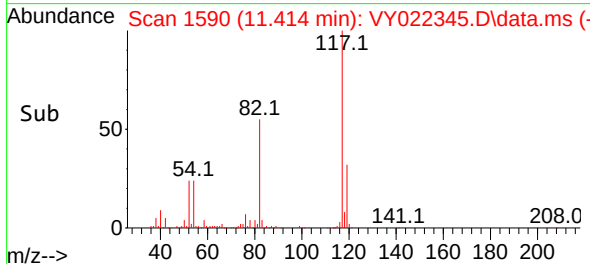
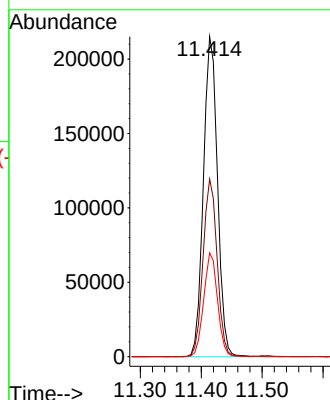
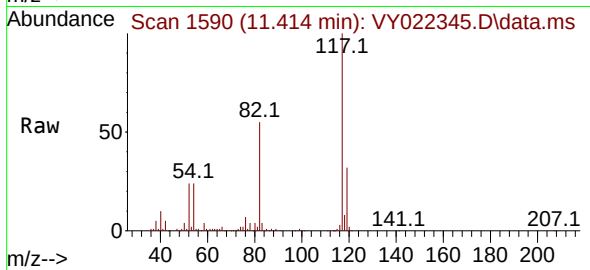




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

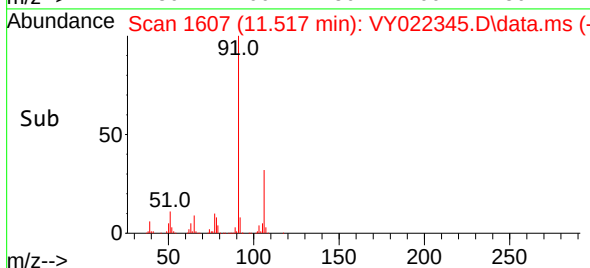
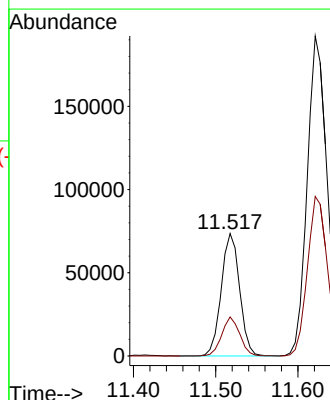
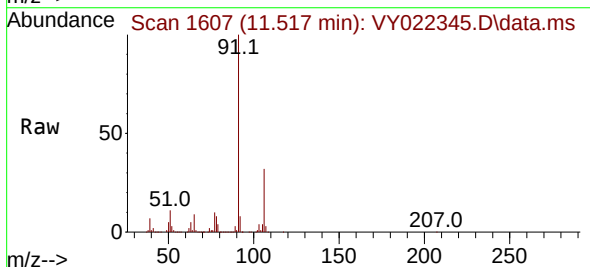
Instrument :
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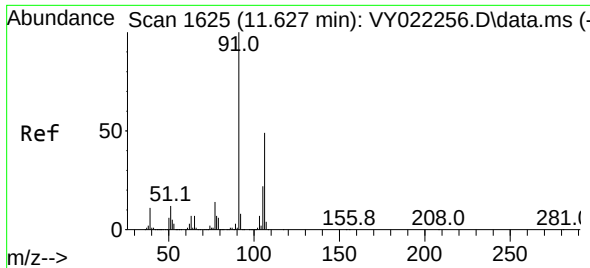
Tgt Ion:117 Resp: 345893
Ion Ratio Lower Upper
117 100
82 55.4 46.6 70.0
119 32.5 25.8 38.6



#67
Ethyl Benzene
Concen: 7.819 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion: 91 Resp: 114266
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0

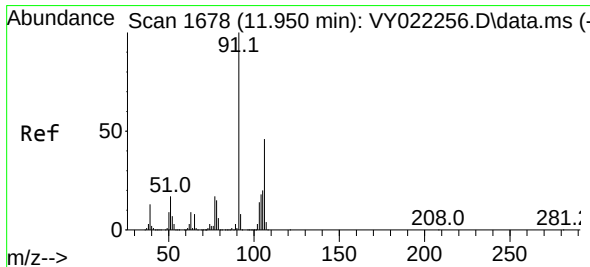
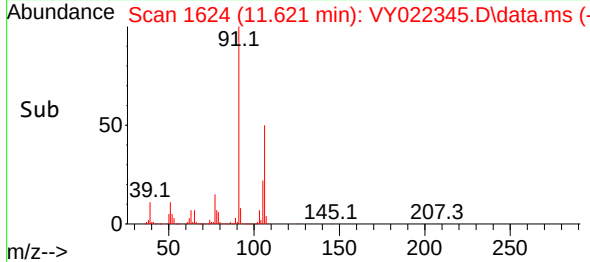
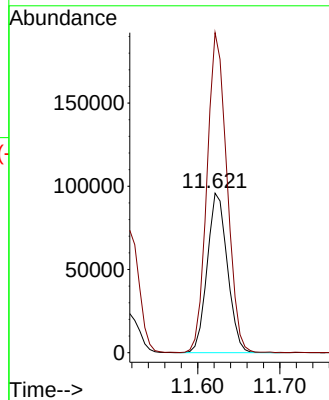
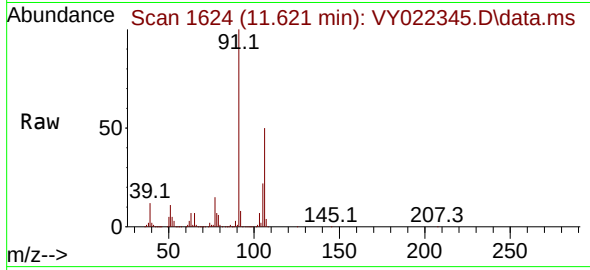




#68
m/p-Xylenes
Concen: 29.680 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

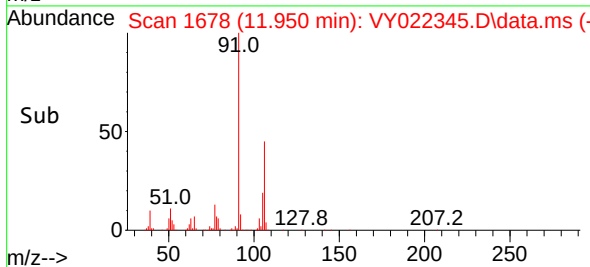
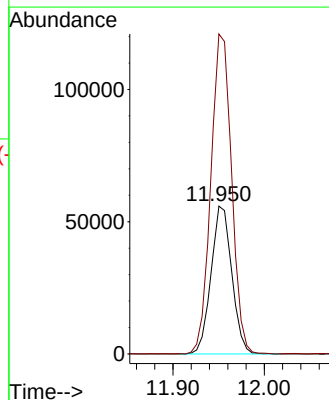
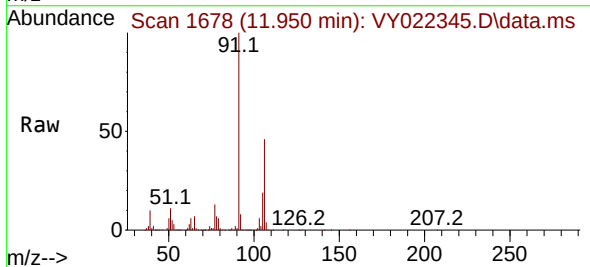
Instrument :
MSVOA_Y
ClientSampleId :
SS-11

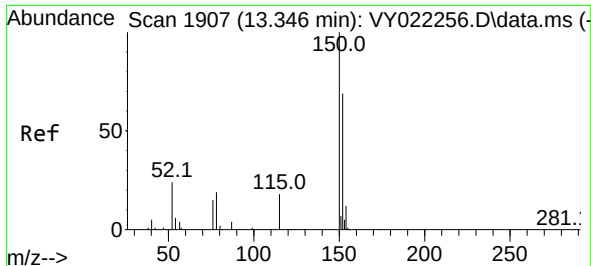
Tgt Ion:106 Resp: 163448
Ion Ratio Lower Upper
106 100
91 198.0 163.0 244.4



#69
o-Xylene
Concen: 16.880 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:106 Resp: 87953
Ion Ratio Lower Upper
106 100
91 216.9 108.3 324.8

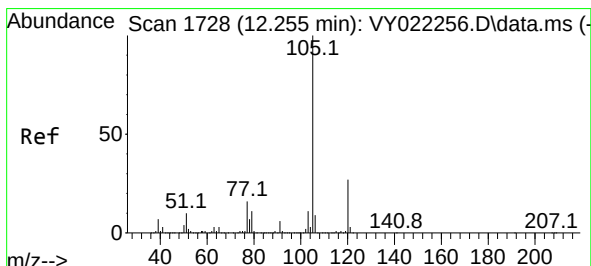
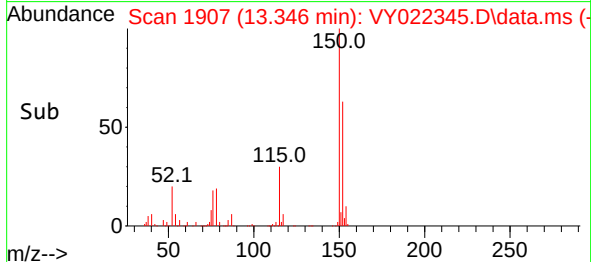
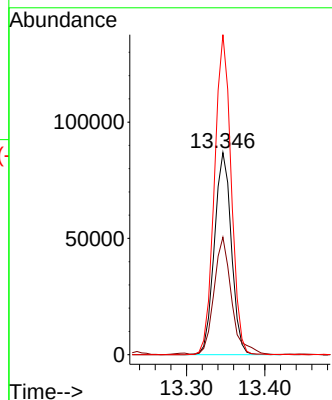
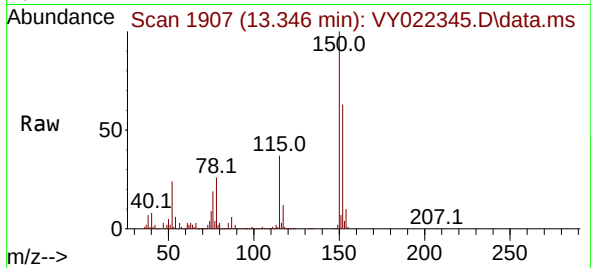




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

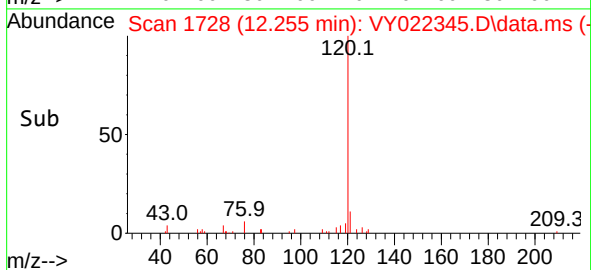
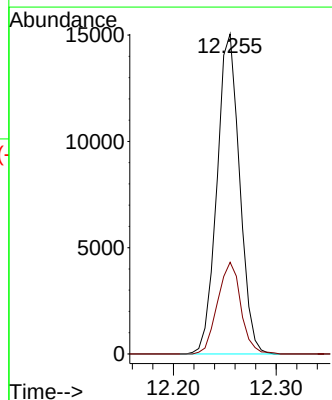
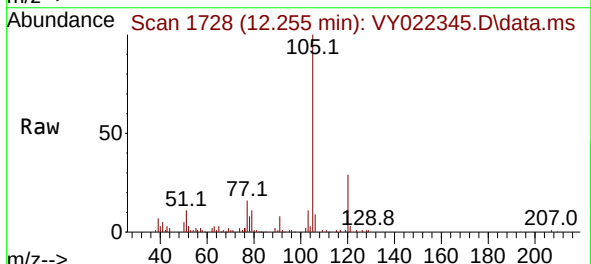
Instrument :
MSVOA_Y
ClientSampleId :
SS-11

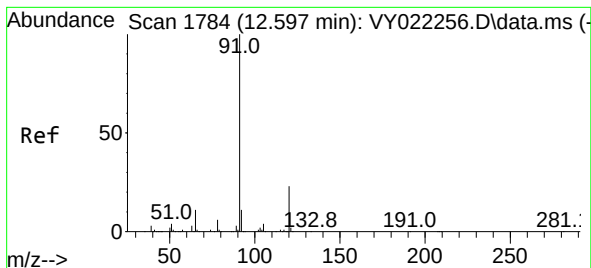
Tgt Ion:152 Resp: 130644
Ion Ratio Lower Upper
152 100
115 59.7 29.4 88.2
150 155.7 0.0 353.8



#73
Isopropylbenzene
Concen: 2.127 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:105 Resp: 23017
Ion Ratio Lower Upper
105 100
120 29.5 13.2 39.6





#78

n-propylbenzene

Concen: 5.421 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY022345.D

Acq: 20 May 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

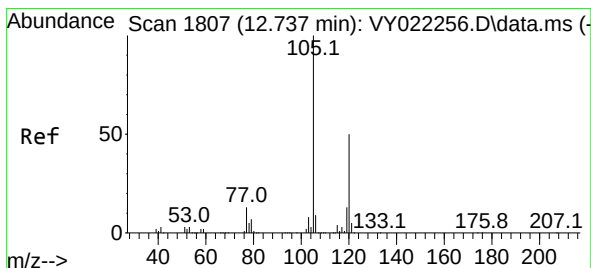
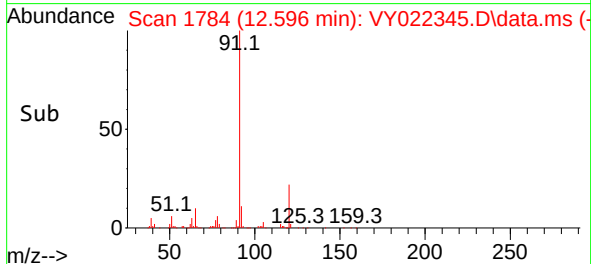
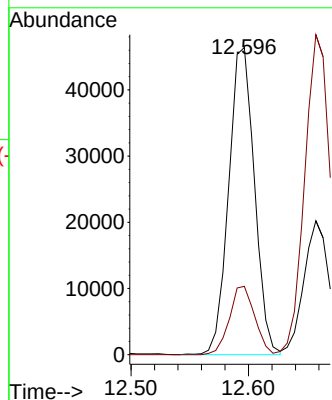
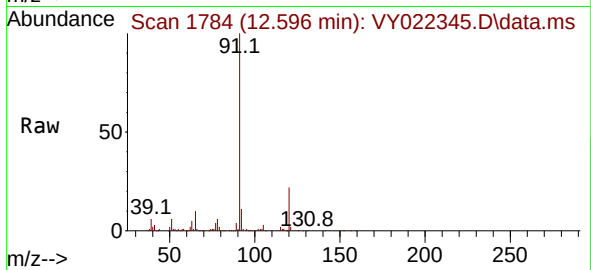
SS-11

Tgt Ion: 91 Resp: 70774

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 9.879 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022345.D

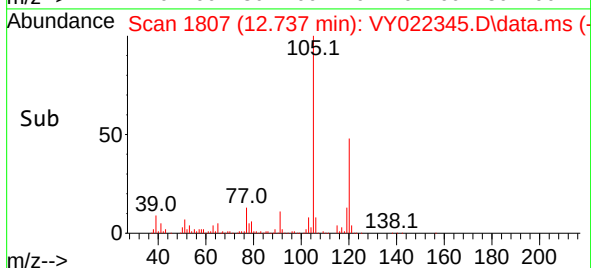
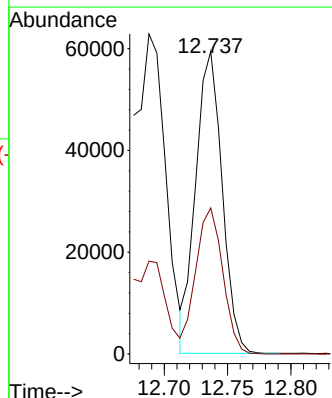
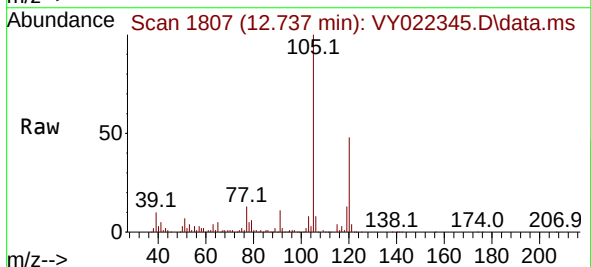
Acq: 20 May 2025 16:09

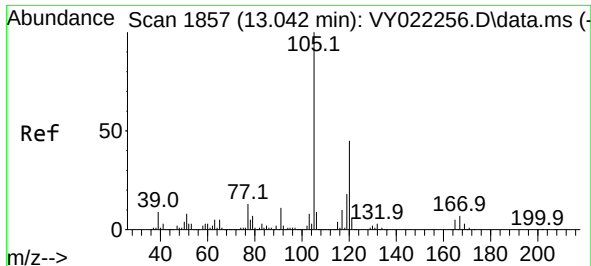
Tgt Ion: 105 Resp: 86309

Ion Ratio Lower Upper

105 100

120 49.5 24.2 72.6

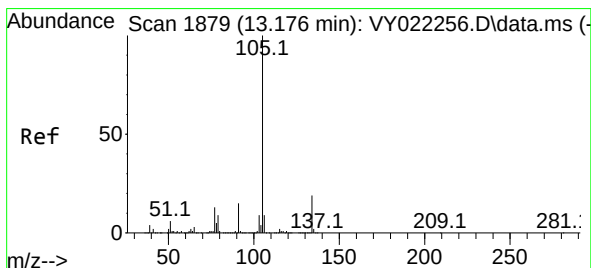
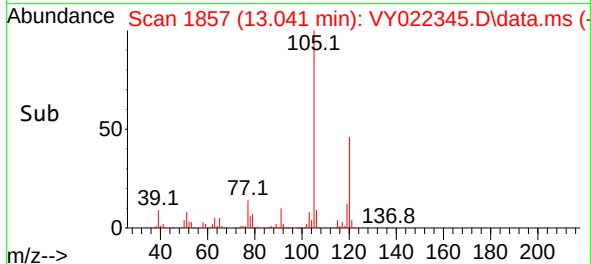
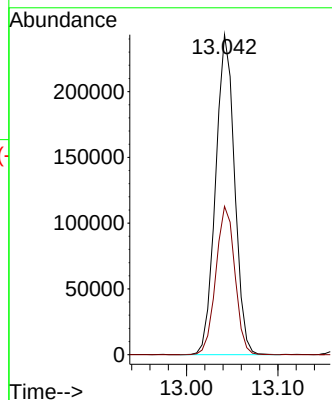
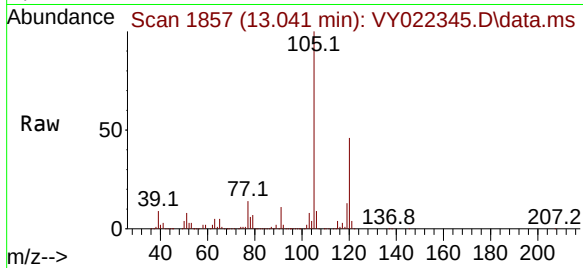




#84
1,2,4-Trimethylbenzene
Concen: 40.417 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

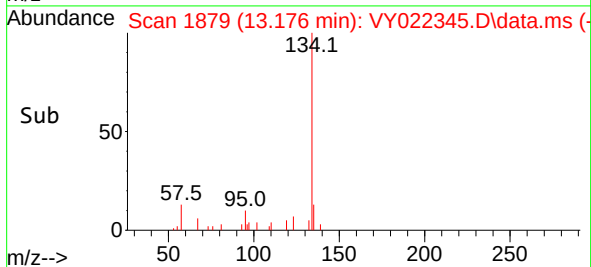
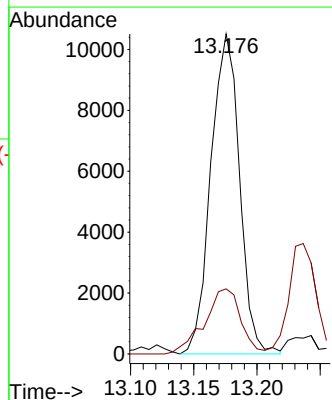
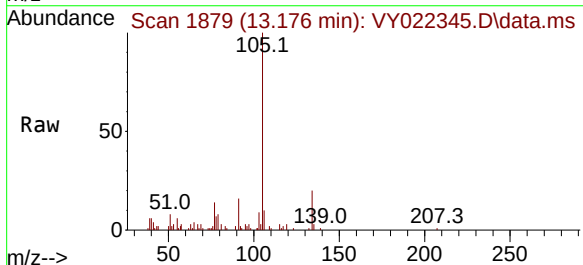
Instrument :
MSVOA_Y
ClientSampleId :
SS-11

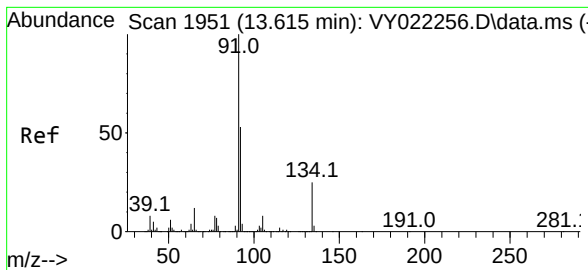
Tgt Ion:105 Resp: 350537
Ion Ratio Lower Upper
105 100
120 46.5 22.3 66.9



#85
sec-Butylbenzene
Concen: 1.436 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

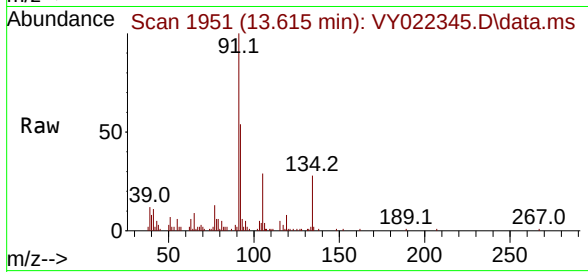
Tgt Ion:105 Resp: 16558
Ion Ratio Lower Upper
105 100
134 25.8 9.8 29.5





#89
 n-Butylbenzene
 Concen: 1.439 ug/l
 RT: 13.615 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VY022345.D
 Acq: 20 May 2025 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-11



Tgt Ion: 91 Resp: 13194

Ion	Ratio	Lower	Upper
91	100		
92	62.9	26.3	78.9
134	0.0	12.4	37.4#

