

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022344.D
 Acq On : 20 May 2025 15:45
 Operator : SY/MD
 Sample : Q2075-02
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-910

Quant Time: May 21 01:50:52 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)

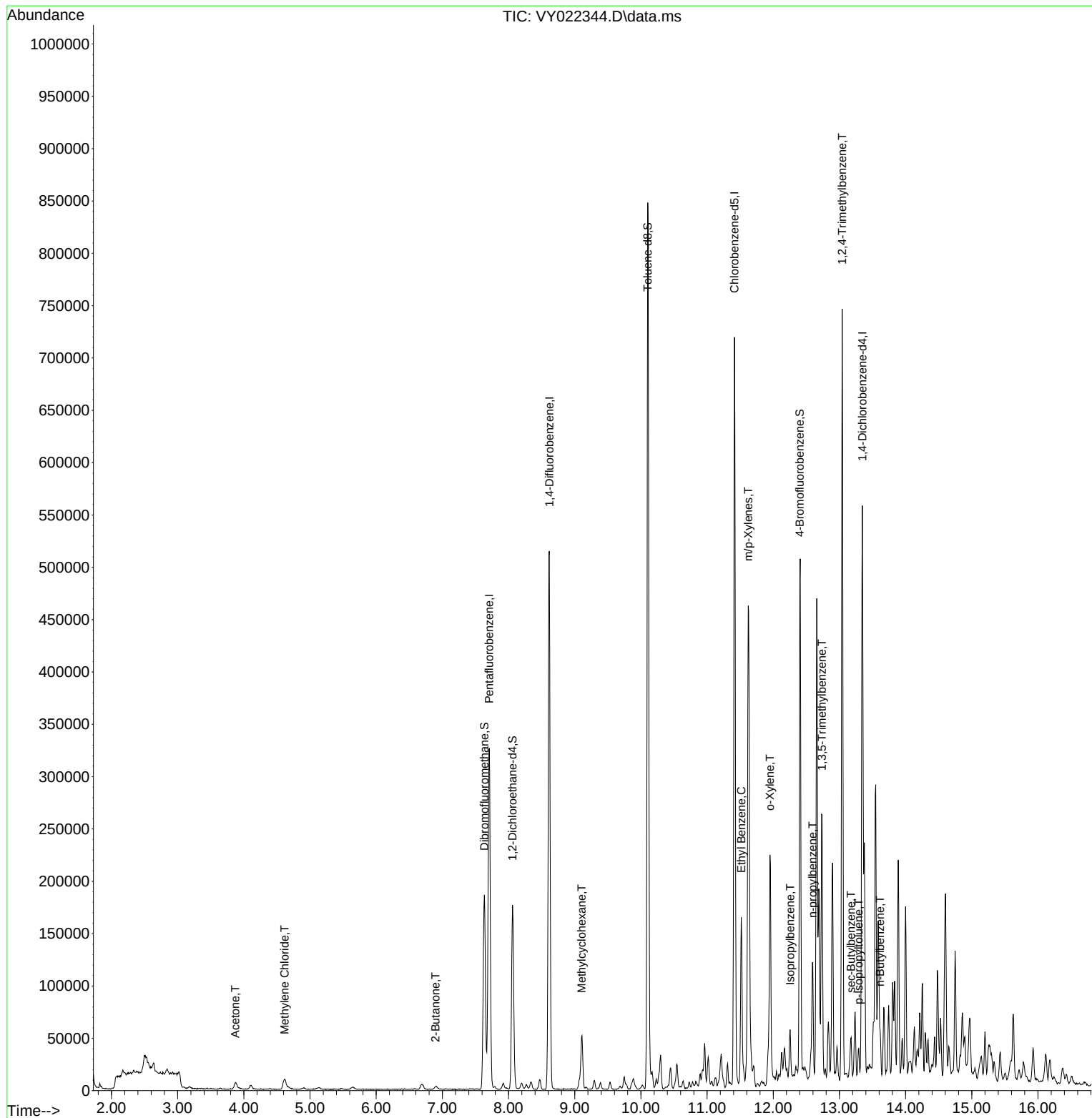
Internal Standards						
1) Pentafluorobenzene	7.707	168	241551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	430984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	126954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128674	48.742	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.480%
35) Dibromofluoromethane	7.634	113	127466	49.552	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.100%
50) Toluene-d8	10.103	98	512727	48.668	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.402	95	133041	39.841	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.680%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	11631	23.497	ug/l	92
20) Methylene Chloride	4.616	84	6624	2.071	ug/l #	81
25) 2-Butanone	6.896	43	4548	5.493	ug/l	99
39) Methylcyclohexane	9.103	83	21570	3.789	ug/l	97
67) Ethyl Benzene	11.518	91	102927	7.072	ug/l	95
68) m/p-Xylenes	11.621	106	133393	24.324	ug/l	97
69) o-Xylene	11.950	106	53096	10.233	ug/l	97
73) Isopropylbenzene	12.255	105	28275	2.688	ug/l	100
78) n-propylbenzene	12.597	91	83294	6.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	100815	11.874	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	361565	42.901	ug/l	98
85) sec-Butylbenzene	13.176	105	22583	2.016	ug/l	87
86) p-Isopropyltoluene	13.292	119	12154	1.290	ug/l	99
89) n-Butylbenzene	13.615	91	19377	2.174	ug/l #	80

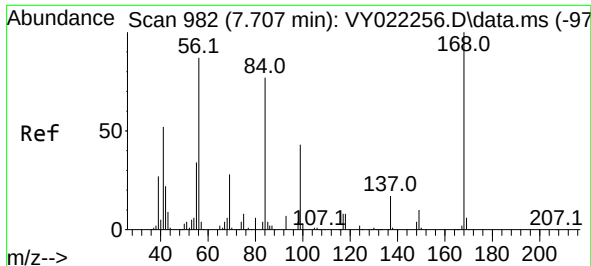
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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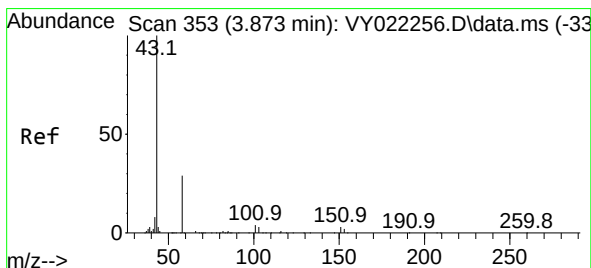
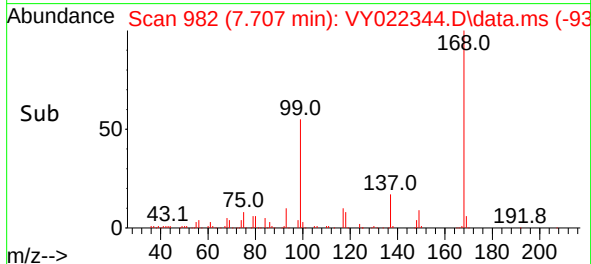
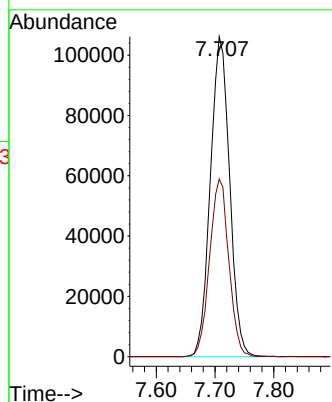
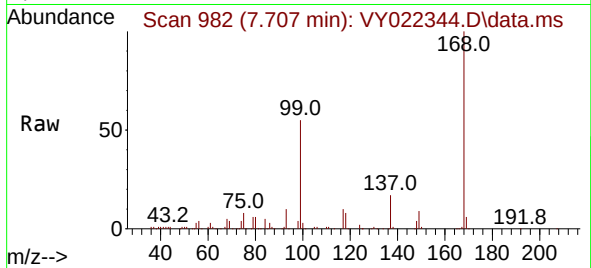




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

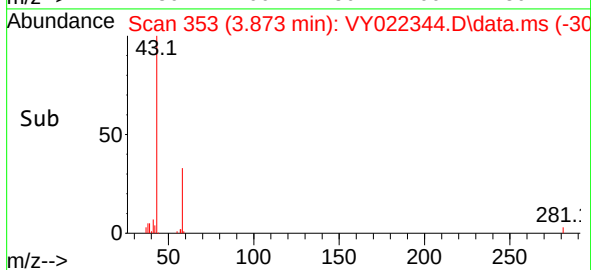
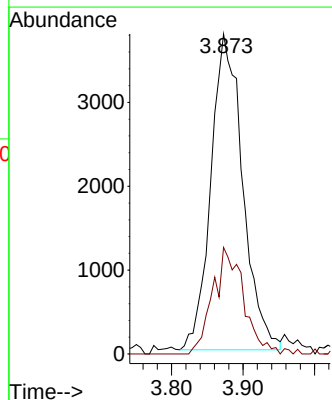
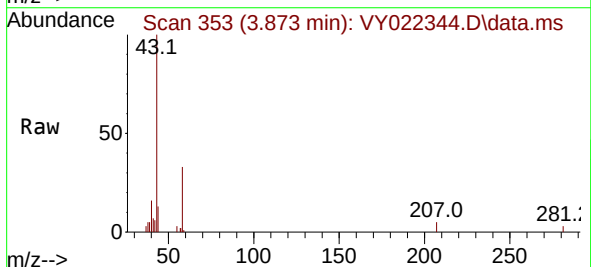
Instrument :
MSVOA_Y
ClientSampleId :
SS-910

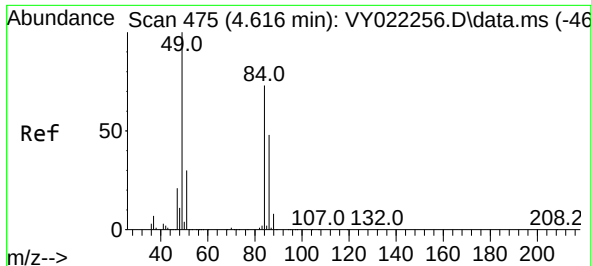
Tgt Ion:168 Resp: 241551
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#16
Acetone
Concen: 23.497 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 43 Resp: 11631
Ion Ratio Lower Upper
43 100
58 33.8 23.6 35.4

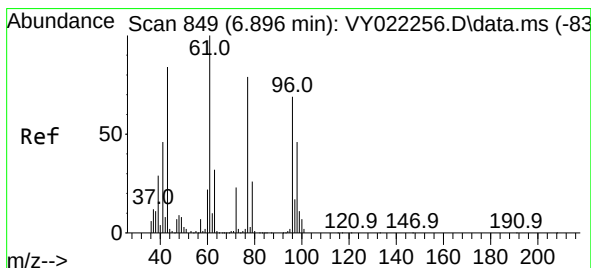
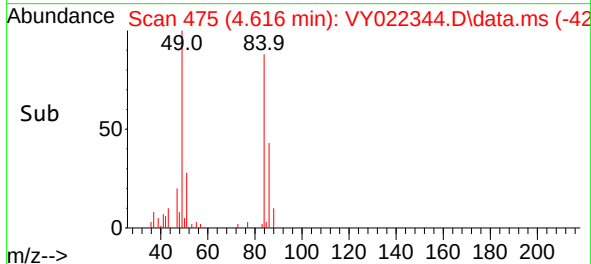
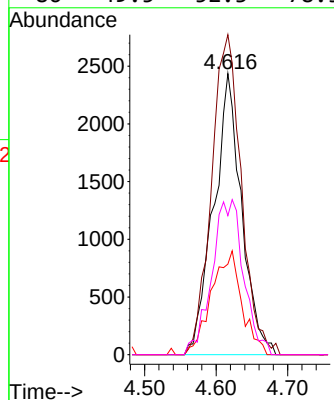
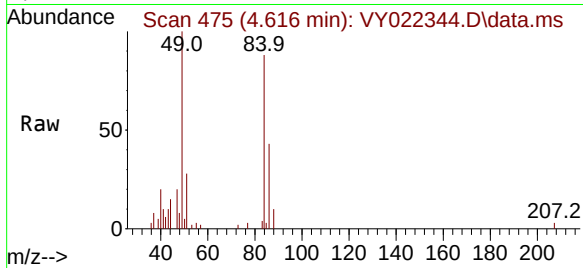




#20
Methylene Chloride
Concen: 2.071 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

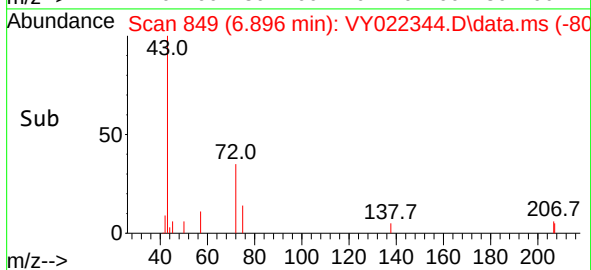
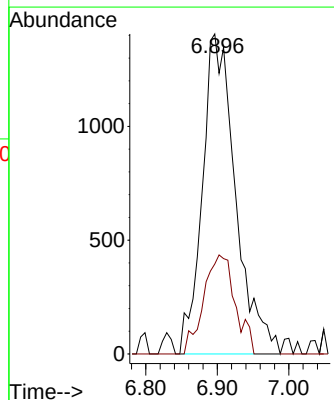
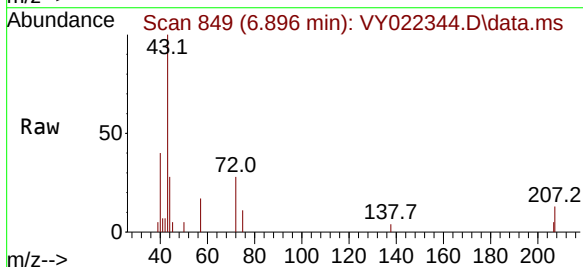
Instrument :
MSVOA_Y
ClientSampleId :
SS-910

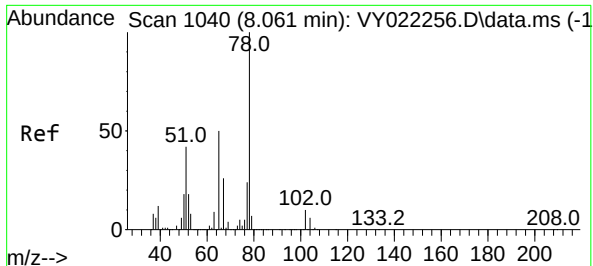
Tgt Ion:	84	Resp:	6624
Ion	Ratio	Lower	Upper
84	100		
49	113.8	109.6	164.4
51	32.2	32.4	48.6#
86	49.5	52.3	78.5#



#25
2-Butanone
Concen: 5.493 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:	43	Resp:	4548
Ion	Ratio	Lower	Upper
43	100		
72	28.1	22.1	33.1





#33

1,2-Dichloroethane-d4

Concen: 48.742 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY022344.D

Acq: 20 May 2025 15:45

Instrument :

MSVOA_Y

ClientSampleId :

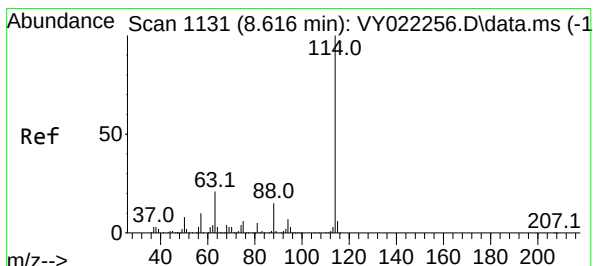
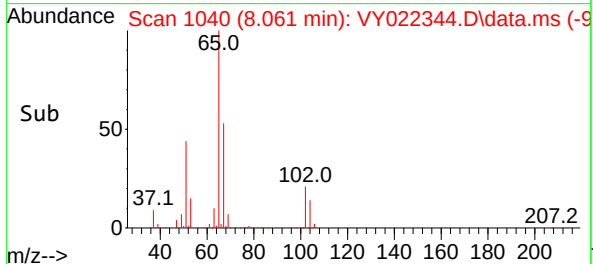
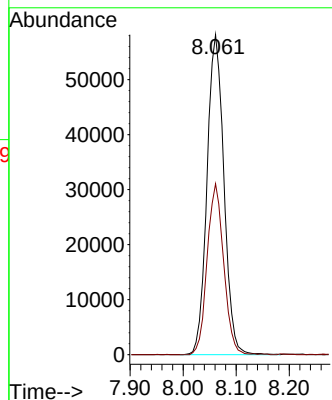
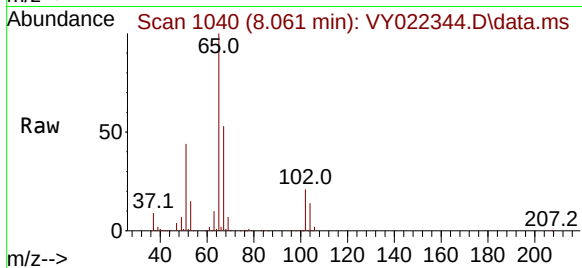
SS-910

Tgt Ion: 65 Resp: 128674

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022344.D

Acq: 20 May 2025 15:45

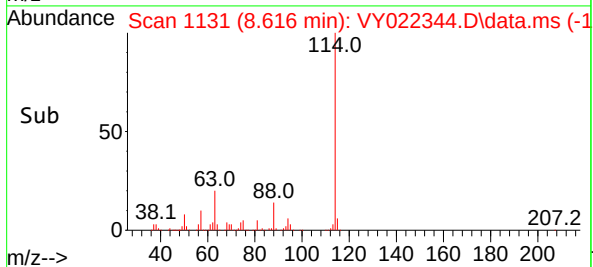
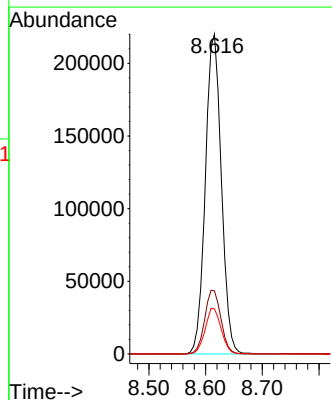
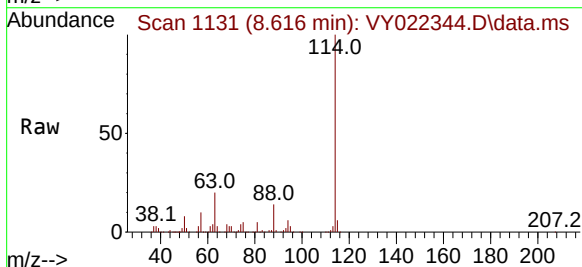
Tgt Ion: 114 Resp: 430984

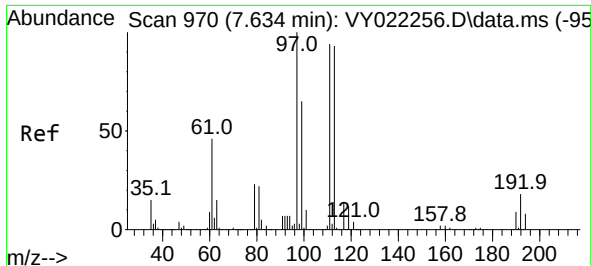
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.0

88 14.1 0.0 29.4

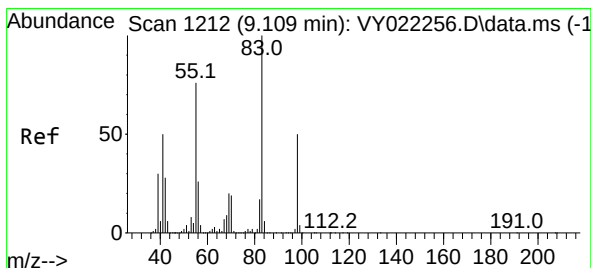
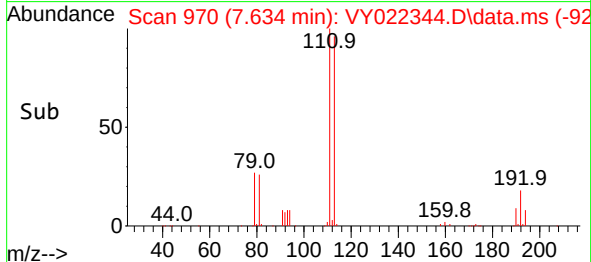
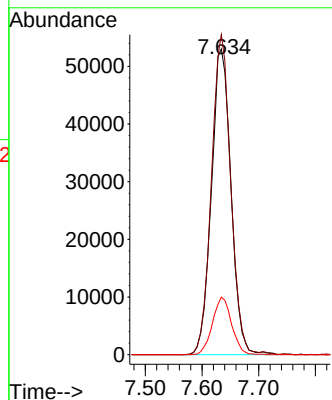
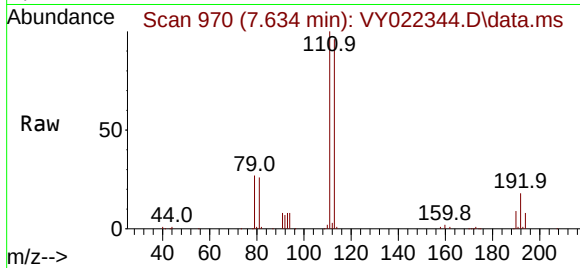




#35
Dibromofluoromethane
Concen: 49.552 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

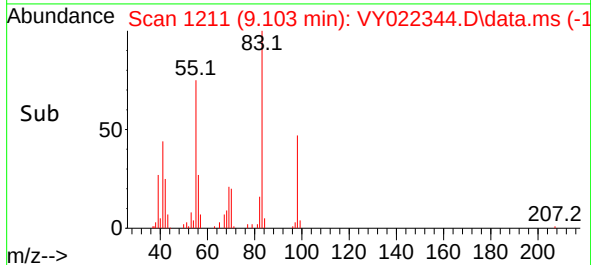
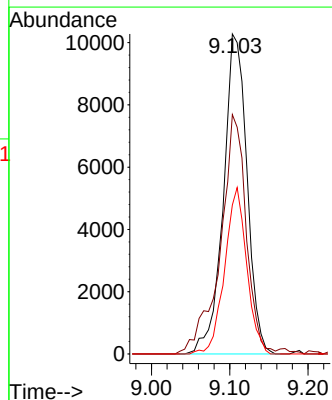
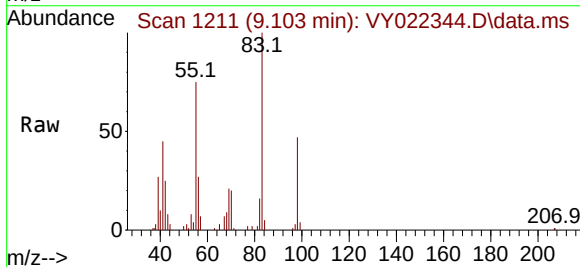
Instrument :
MSVOA_Y
ClientSampleId :
SS-910

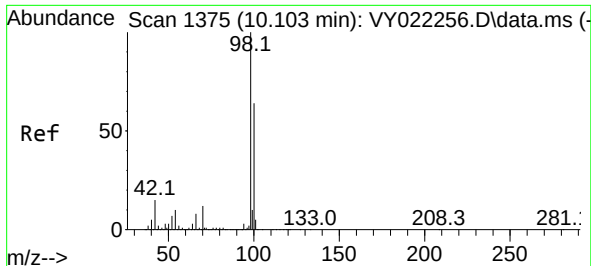
Tgt Ion:113 Resp: 127466
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 18.4 15.2 22.8



#39
Methylcyclohexane
Concen: 3.789 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 83 Resp: 21570
Ion Ratio Lower Upper
83 100
55 74.0 60.6 90.8
98 46.6 40.0 60.0

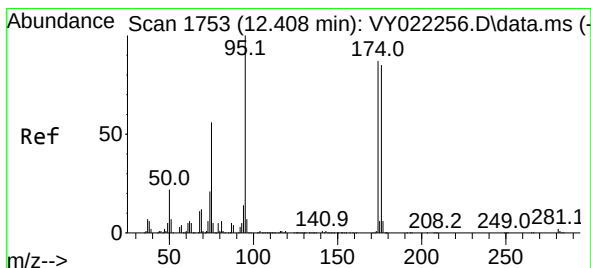
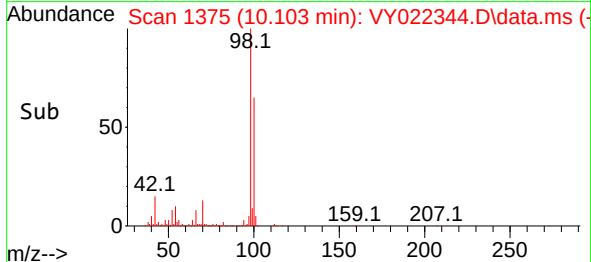
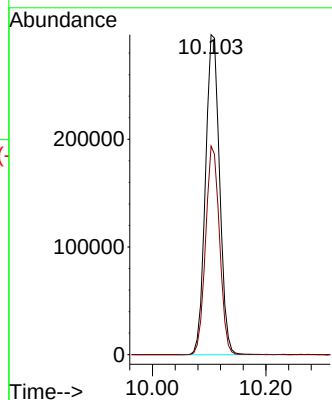
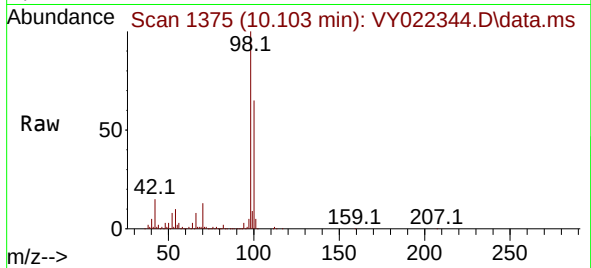




#50
Toluene-d8
Concen: 48.668 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

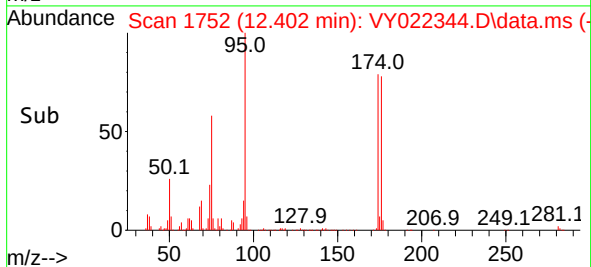
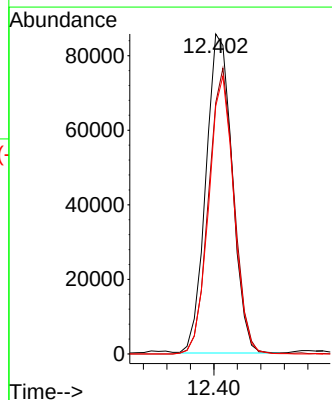
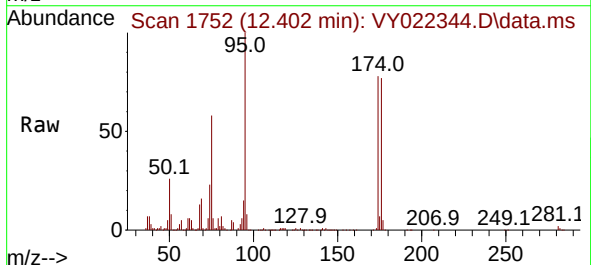
Instrument :
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ClientSampleId :
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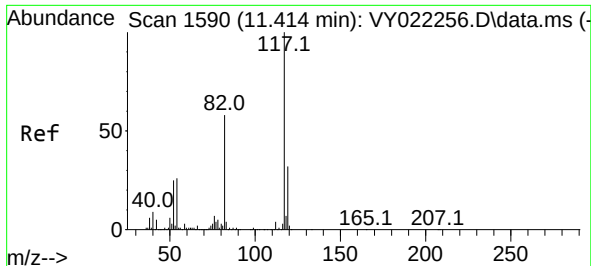
Tgt Ion: 98 Resp: 512727
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.841 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 95 Resp: 133041
Ion Ratio Lower Upper
95 100
174 86.7 0.0 166.8
176 83.5 0.0 160.8

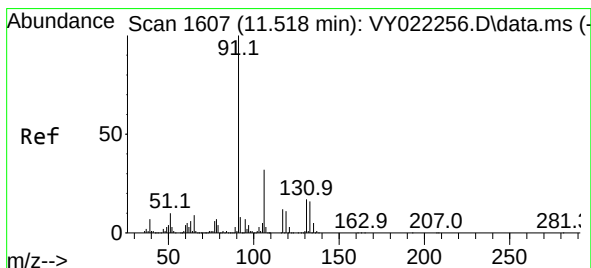
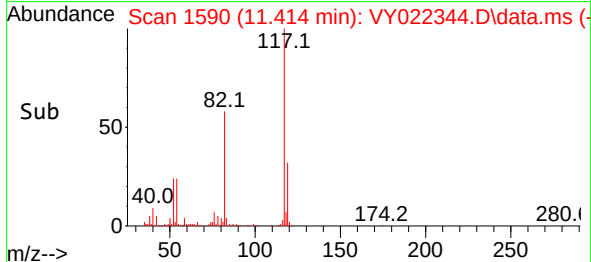
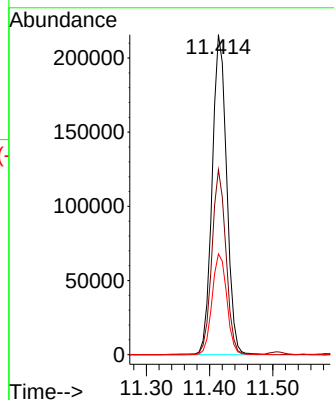
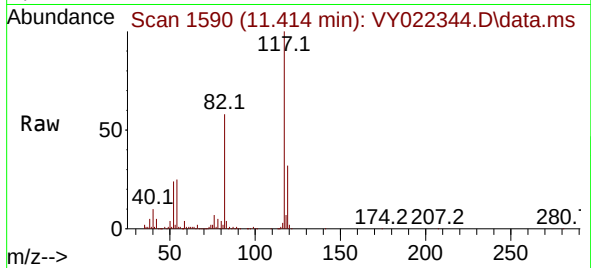




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

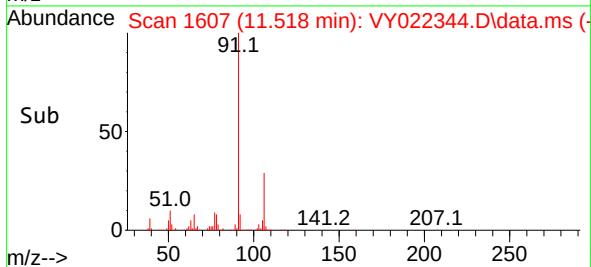
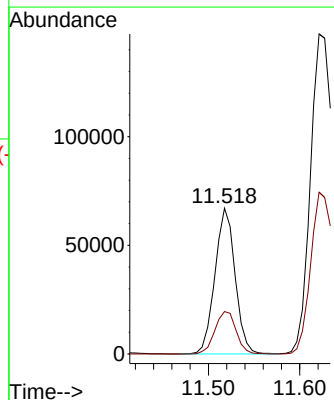
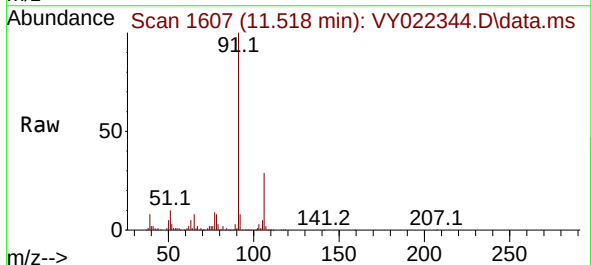
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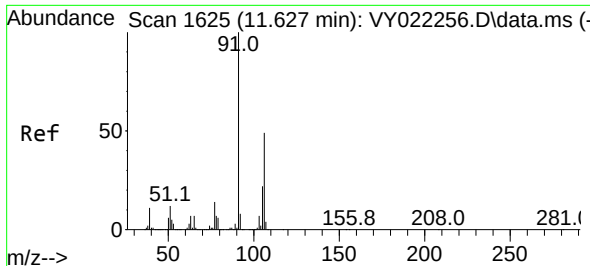
Tgt Ion:117 Resp: 344445
Ion Ratio Lower Upper
117 100
82 57.6 46.6 70.0
119 31.5 25.8 38.6



#67
Ethyl Benzene
Concen: 7.072 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 91 Resp: 102927
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.0

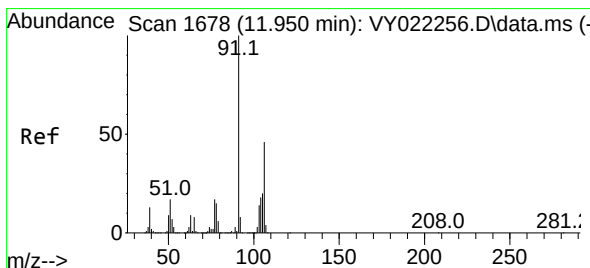
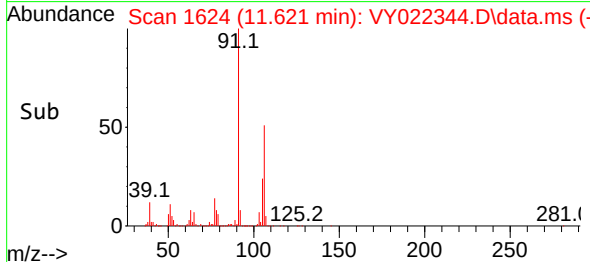
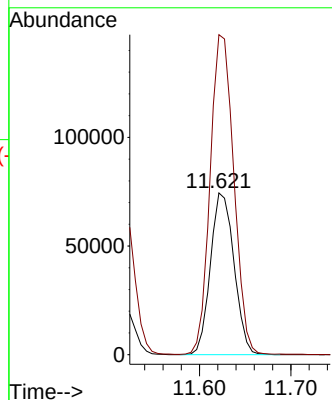
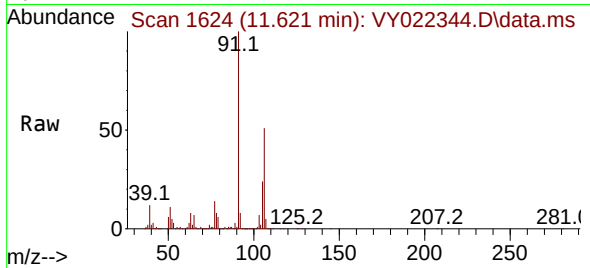




#68
m/p-Xylenes
Concen: 24.324 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

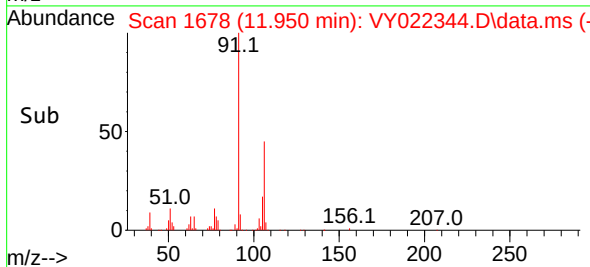
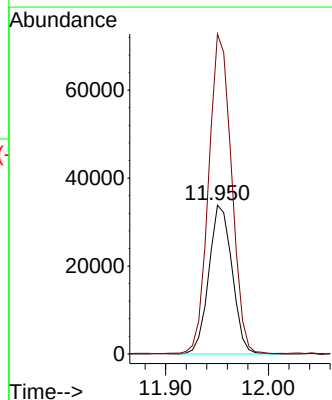
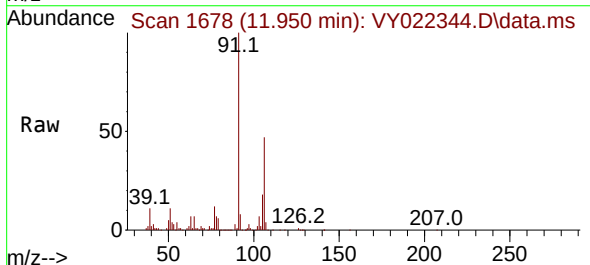
Instrument :
MSVOA_Y
ClientSampleId :
SS-910

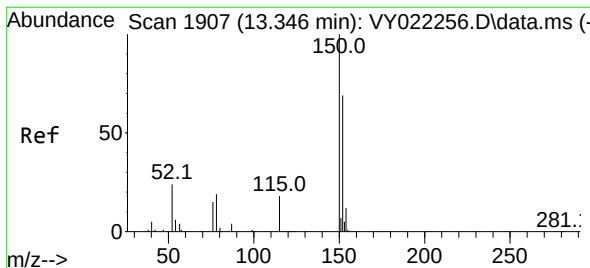
Tgt Ion:106 Resp: 133393
Ion Ratio Lower Upper
106 100
91 199.0 163.0 244.4



#69
o-Xylene
Concen: 10.233 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:106 Resp: 53096
Ion Ratio Lower Upper
106 100
91 212.1 108.3 324.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022344.D

Acq: 20 May 2025 15:45

Instrument :

MSVOA_Y

ClientSampleId :

SS-910

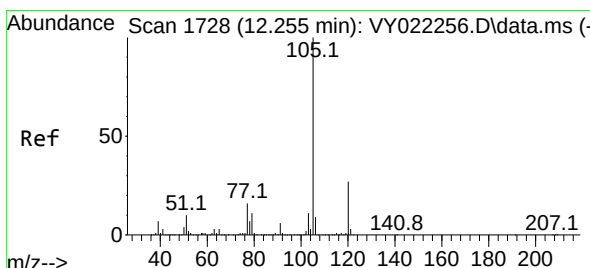
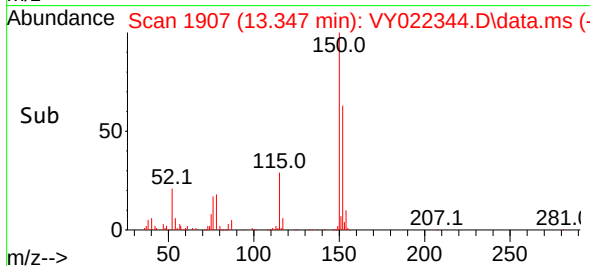
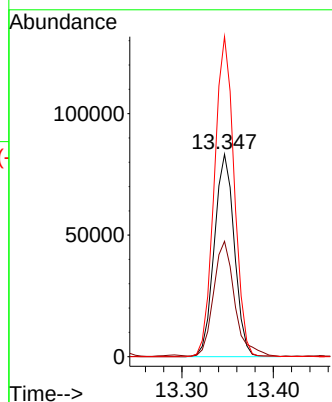
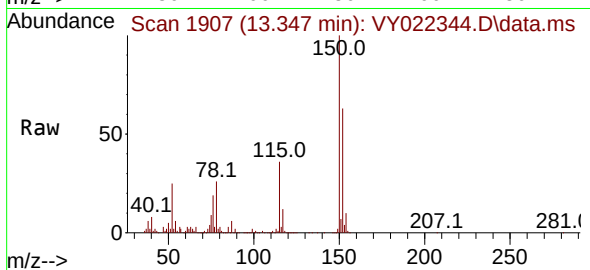
Tgt Ion:152 Resp: 126954

Ion Ratio Lower Upper

152 100

115 59.9 29.4 88.2

150 156.6 0.0 353.8



#73

Isopropylbenzene

Concen: 2.688 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY022344.D

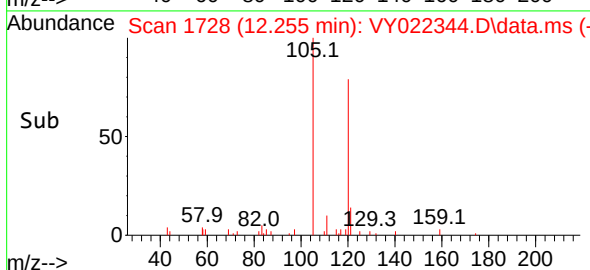
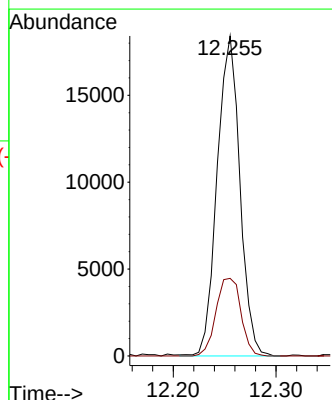
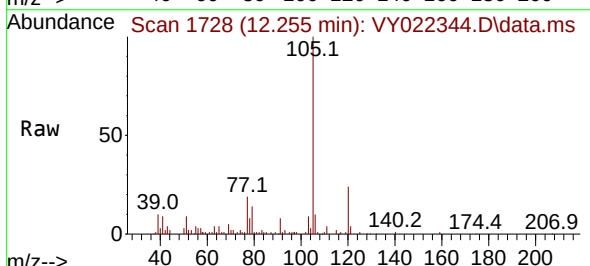
Acq: 20 May 2025 15:45

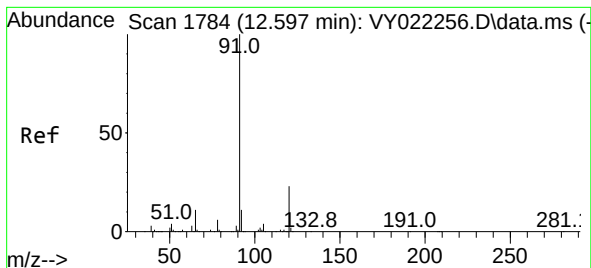
Tgt Ion:105 Resp: 28275

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6





#78

n-propylbenzene

Concen: 6.566 ug/l

RT: 12.597 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022344.D

Acq: 20 May 2025 15:45

Instrument :

MSVOA_Y

ClientSampleId :

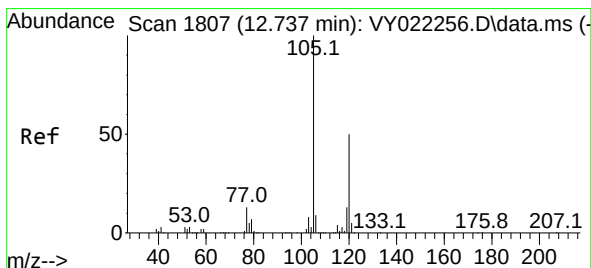
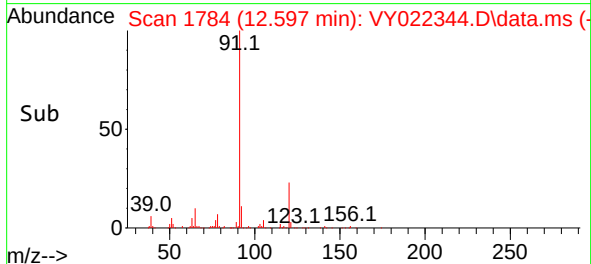
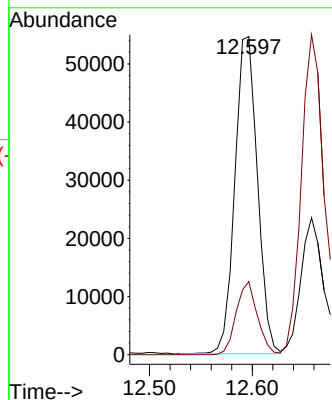
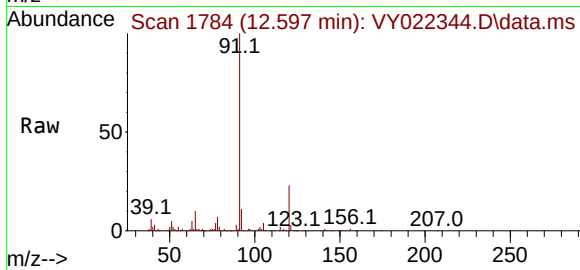
SS-910

Tgt Ion: 91 Resp: 83294

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 11.874 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022344.D

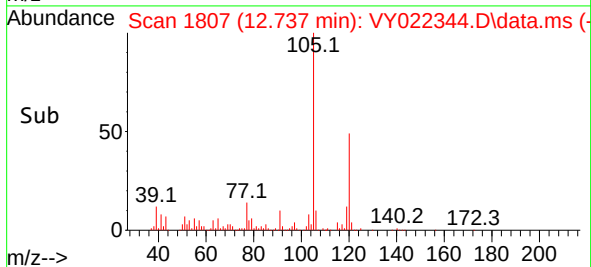
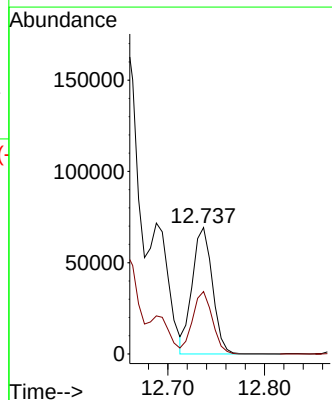
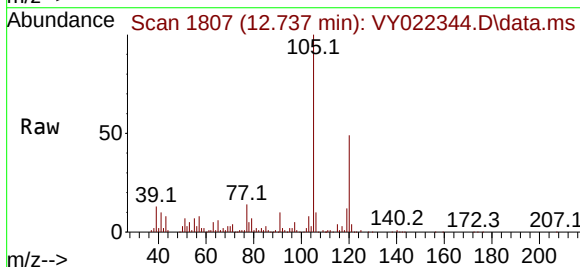
Acq: 20 May 2025 15:45

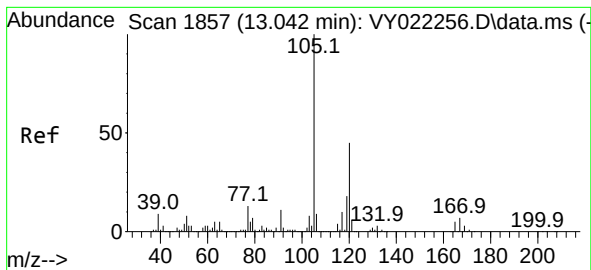
Tgt Ion: 105 Resp: 100815

Ion Ratio Lower Upper

105 100

120 48.4 24.2 72.6





#84

1,2,4-Trimethylbenzene

Concen: 42.901 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022344.D

Acq: 20 May 2025 15:45

Instrument :

MSVOA_Y

ClientSampleId :

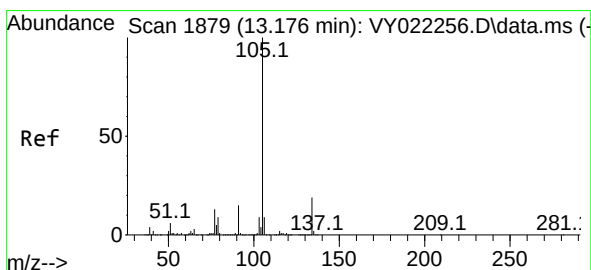
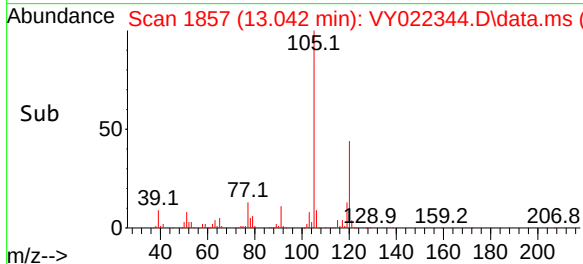
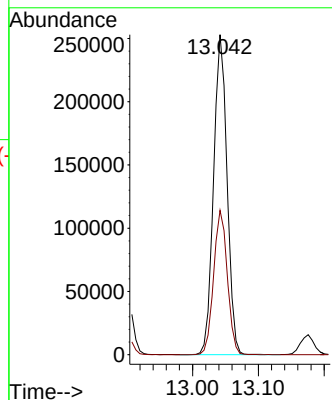
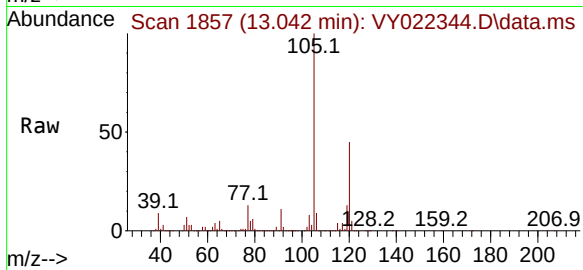
SS-910

Tgt Ion:105 Resp: 361565

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.9



#85

sec-Butylbenzene

Concen: 2.016 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022344.D

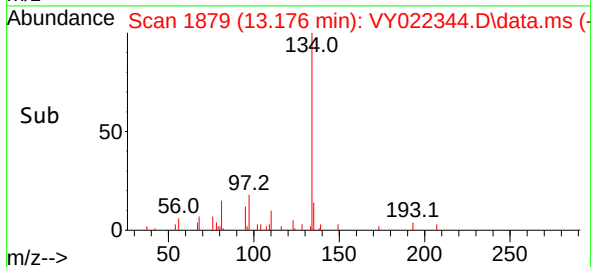
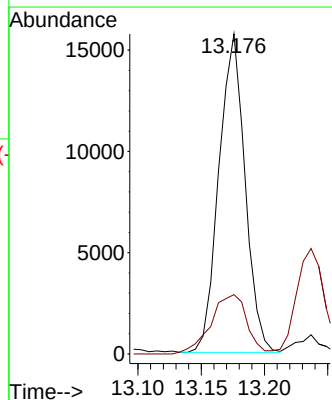
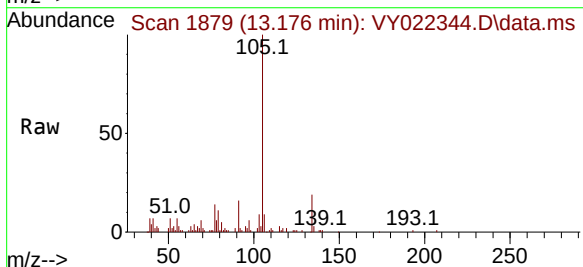
Acq: 20 May 2025 15:45

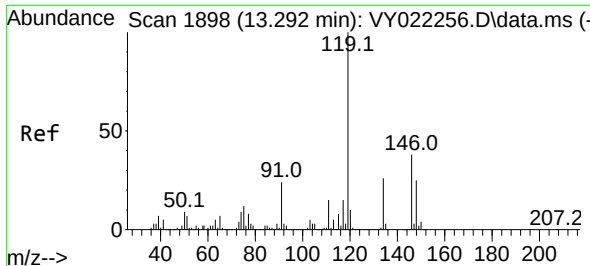
Tgt Ion:105 Resp: 22583

Ion Ratio Lower Upper

105 100

134 25.5 9.8 29.5

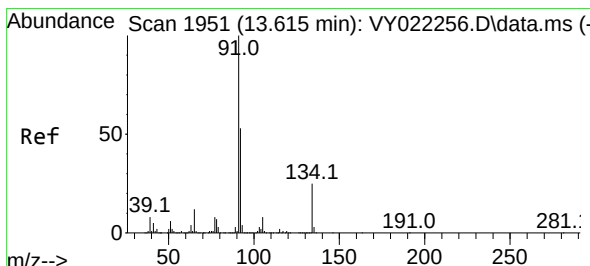
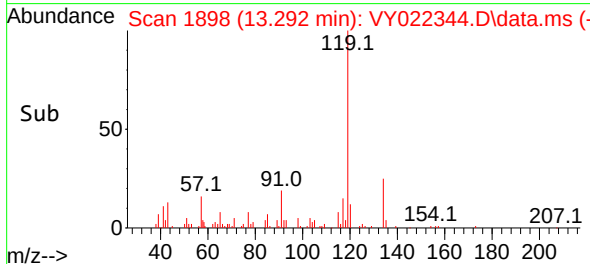
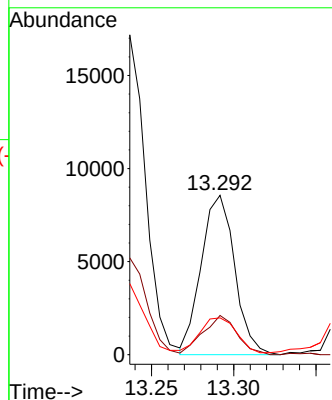
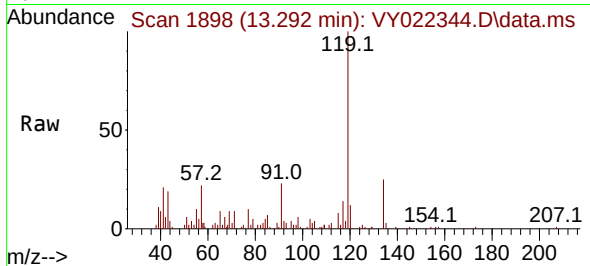




#86
p-Isopropyltoluene
Concen: 1.290 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:	119	Resp:	12154
Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.9	38.6
91	23.6	12.1	36.3



#89
n-Butylbenzene
Concen: 2.174 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:	91	Resp:	19377
Ion	Ratio	Lower	Upper
91	100		
92	57.3	26.3	78.9
134	0.0	12.4	37.4

