

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023644.D
 Acq On : 31 Oct 2025 15:01
 Operator : SY/MD
 Sample : Q3516-01
 Misc : 7.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-103125

Quant Time: Nov 01 03:23:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

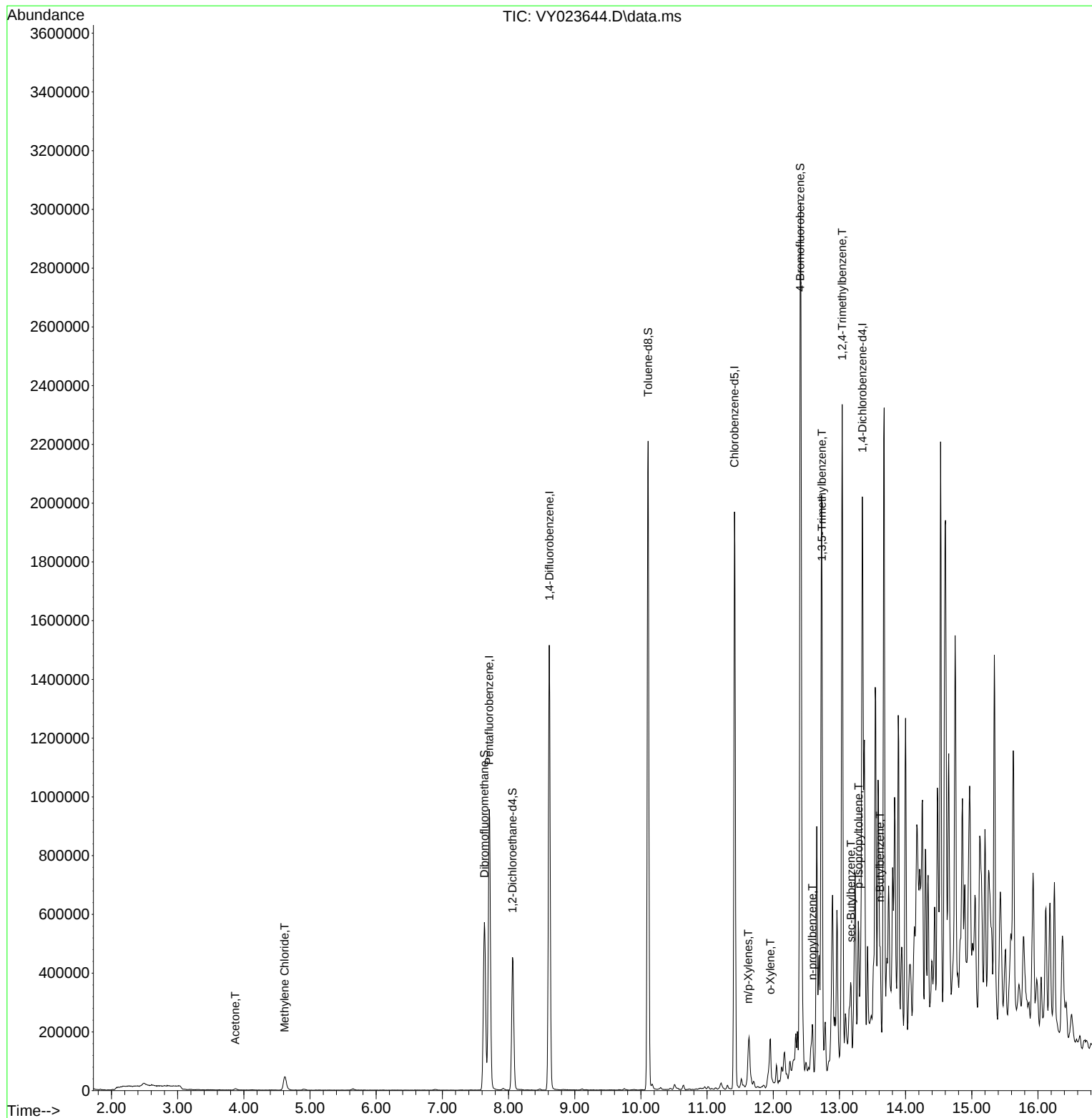
Internal Standards						
1) Pentafluorobenzene	7.707	168	799232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1340256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1100026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	437972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	349177	52.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.500%	
35) Dibromofluoromethane	7.634	113	413077	50.160	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.109	98	1487890	48.515	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.020%	
62) 4-Bromofluorobenzene	12.408	95	446171	44.065	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.120%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	7750	4.871	ug/l	92
20) Methylene Chloride	4.616	84	37681	4.380	ug/l	97
68) m/p-Xylenes	11.621	106	38017	2.447	ug/l	99
69) o-Xylene	11.956	106	40224	2.761	ug/l	99
78) n-propylbenzene	12.590	91	128336	3.842	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	318943	13.675	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1146305	49.247	ug/l	100
85) sec-Butylbenzene	13.176	105	108892	3.525	ug/l	86
86) p-Isopropyltoluene	13.292	119	75424	2.868	ug/l	99
89) n-Butylbenzene	13.615	91	130364	5.688	ug/l #	74

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

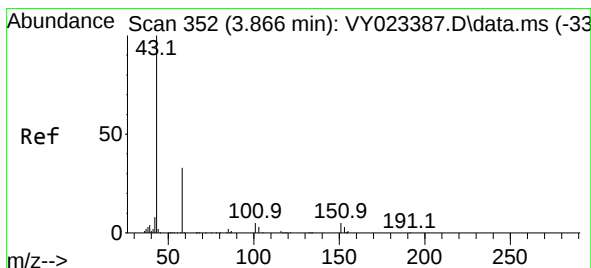
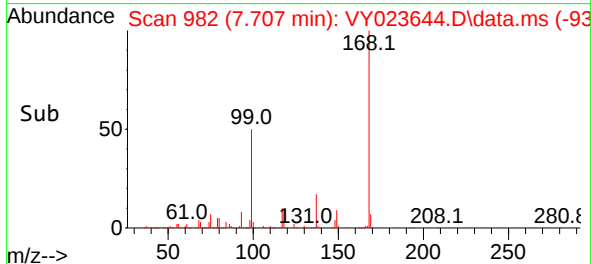
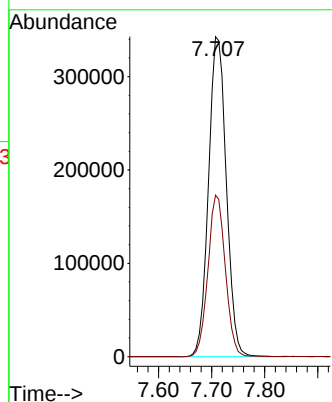
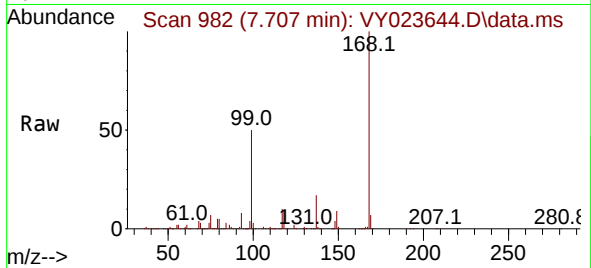




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

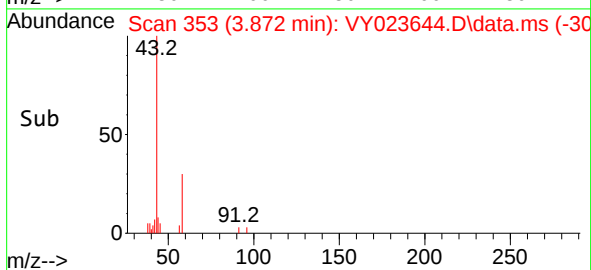
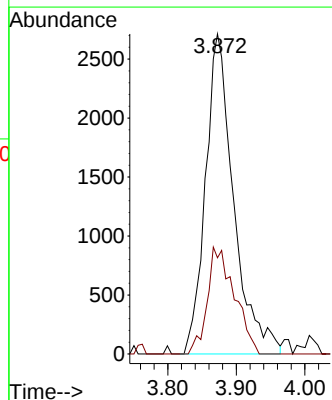
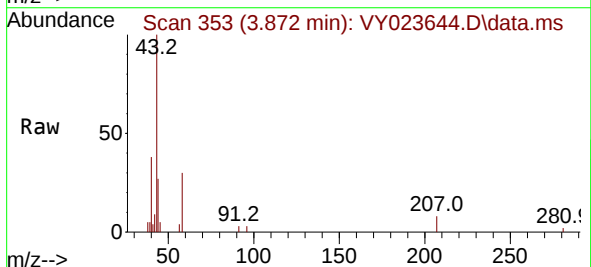
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-103125

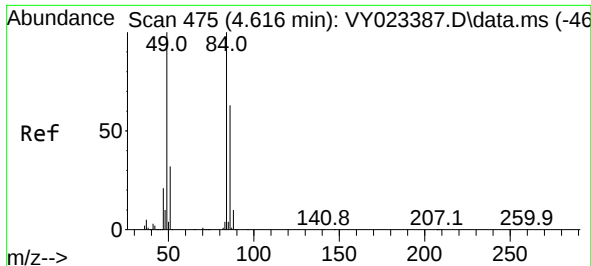
Tgt Ion:168 Resp: 799232
Ion Ratio Lower Upper
168 100
99 50.5 39.7 59.5



#16
Acetone
Concen: 4.871 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Tgt Ion: 43 Resp: 7750
Ion Ratio Lower Upper
43 100
58 30.0 27.7 41.5

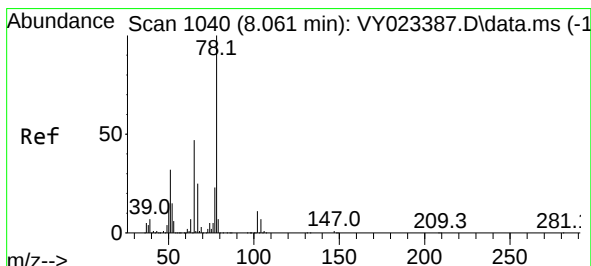
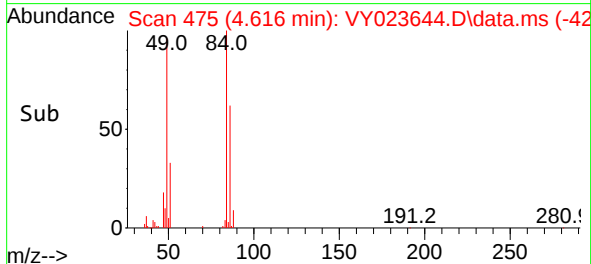
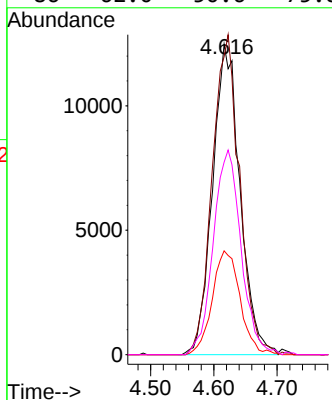
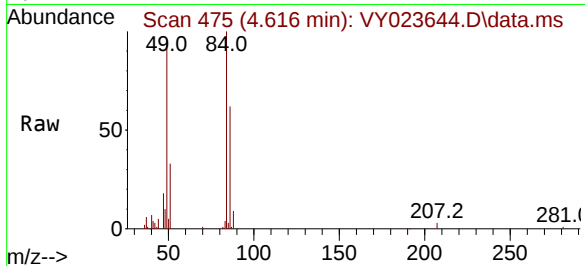




#20
Methylene Chloride
Concen: 4.380 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

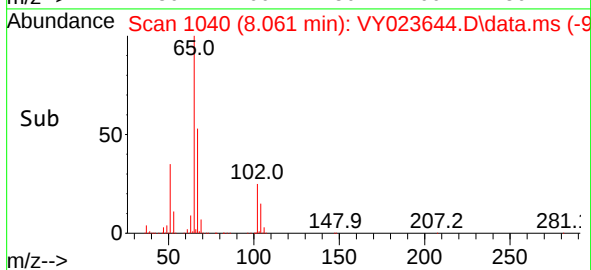
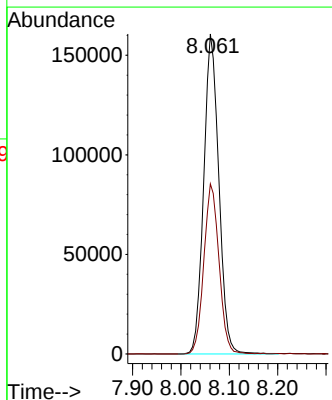
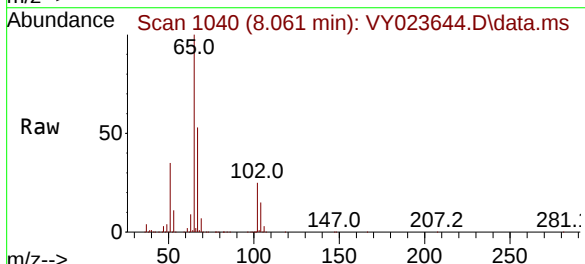
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-103125

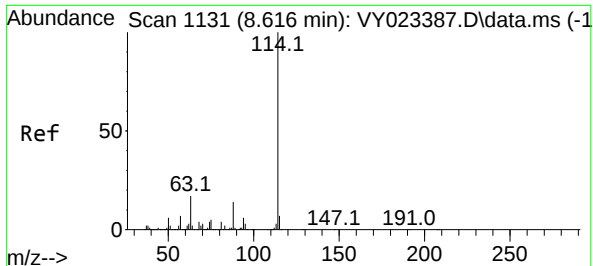
Tgt Ion:	84	Resp:	37681
Ion	Ratio	Lower	Upper
84	100		
49	96.0	80.2	120.4
51	33.5	25.9	38.9
86	62.0	50.6	75.8



#33
1,2-Dichloroethane-d4
Concen: 52.246 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Tgt Ion:	65	Resp:	349177
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8

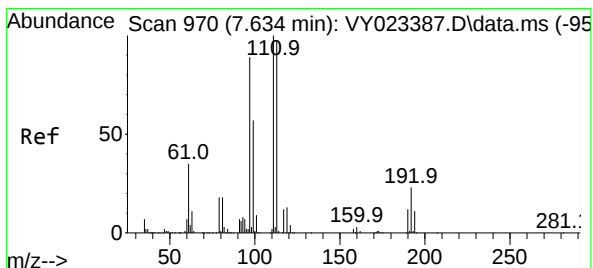
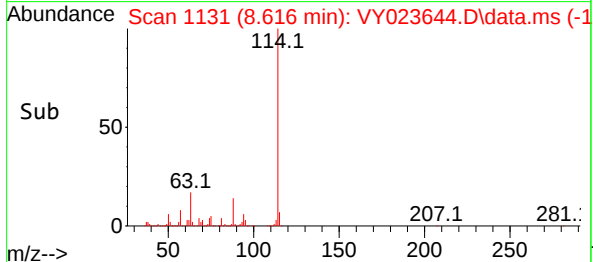
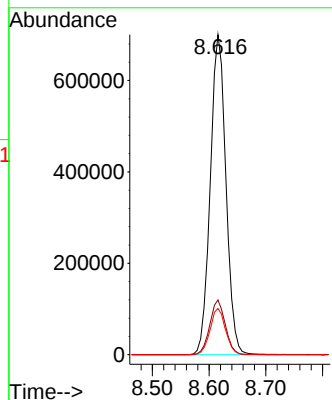
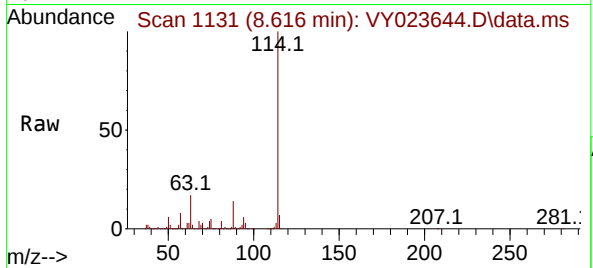




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

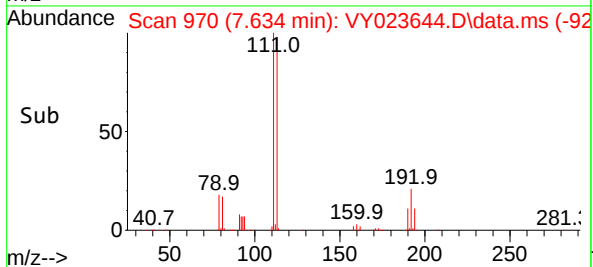
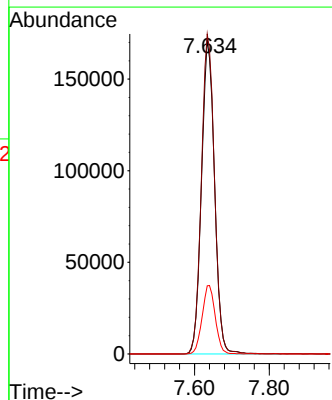
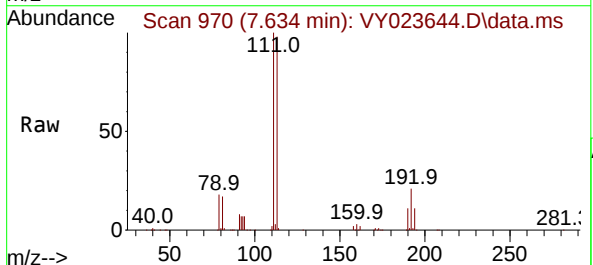
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-103125

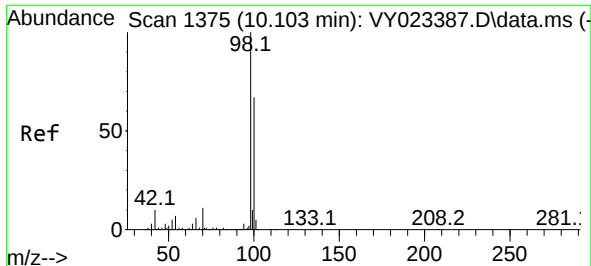
Tgt Ion:114 Resp: 1340256
Ion Ratio Lower Upper
114 100
63 17.1 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.160 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Tgt Ion:113 Resp: 413077
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.0 18.0 27.0

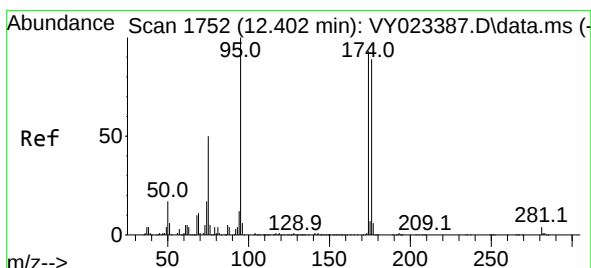
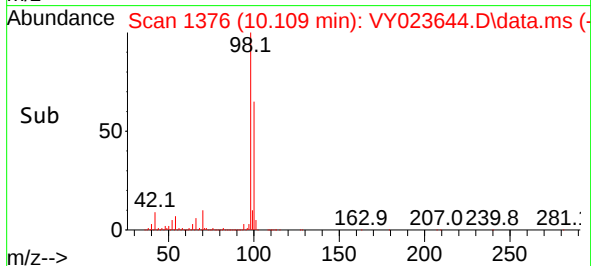
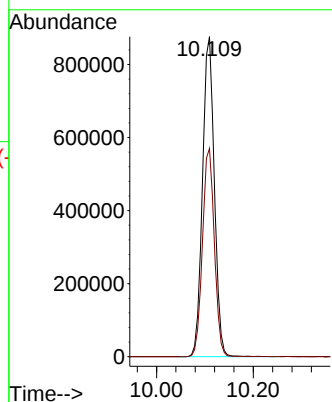
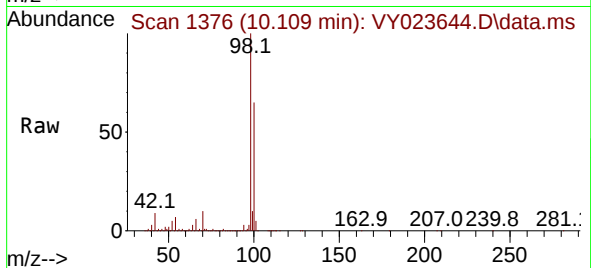




#50
Toluene-d8
Concen: 48.515 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

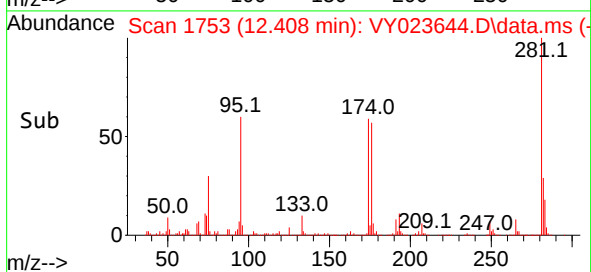
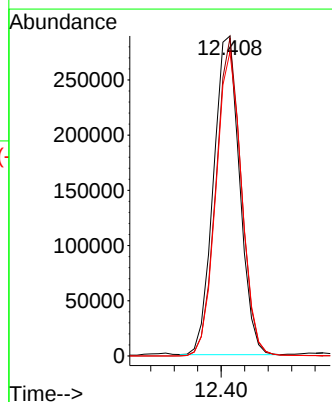
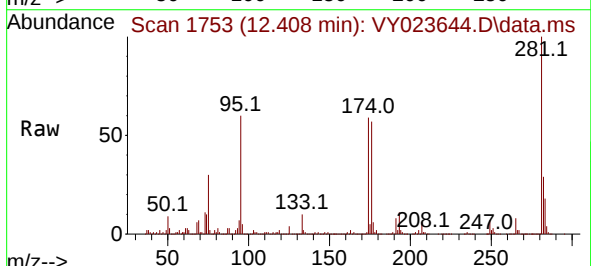
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-103125

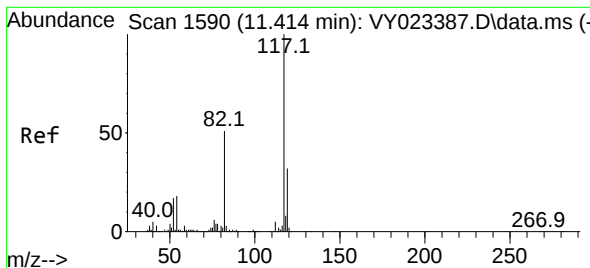
Tgt Ion: 98 Resp: 1487890
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.065 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Tgt Ion: 95 Resp: 446171
Ion Ratio Lower Upper
95 100
174 96.2 0.0 192.8
176 94.1 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY023644.D

Acq: 31 Oct 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-103125

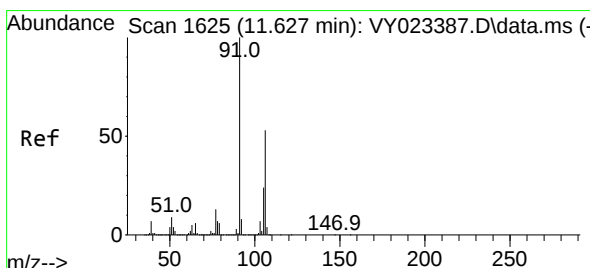
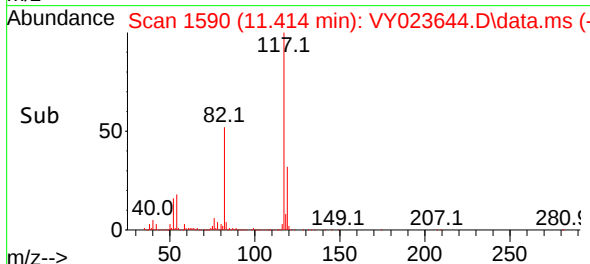
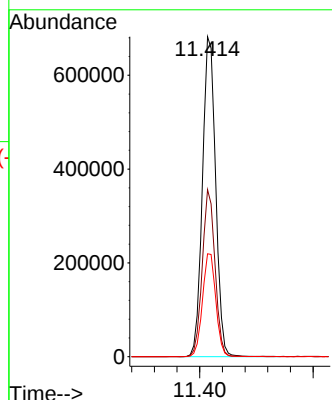
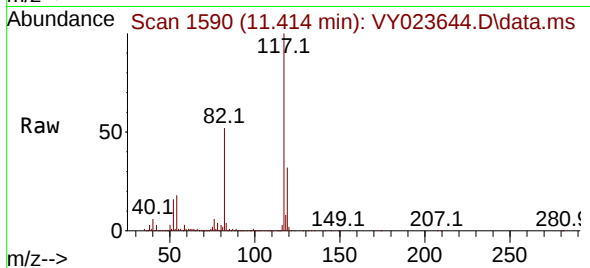
Tgt Ion:117 Resp: 1100026

Ion Ratio Lower Upper

117 100

82 52.2 41.0 61.4

119 32.1 25.6 38.4



#68

m/p-Xylenes

Concen: 2.447 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY023644.D

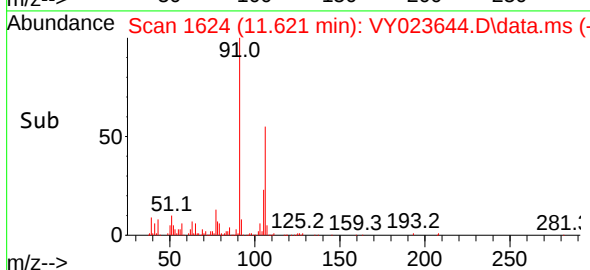
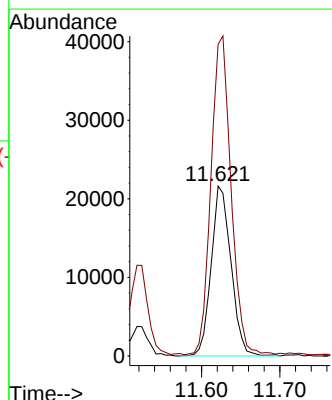
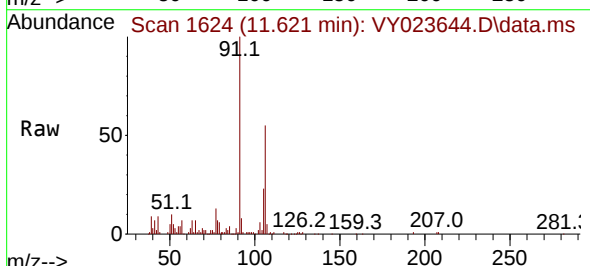
Acq: 31 Oct 2025 15:01

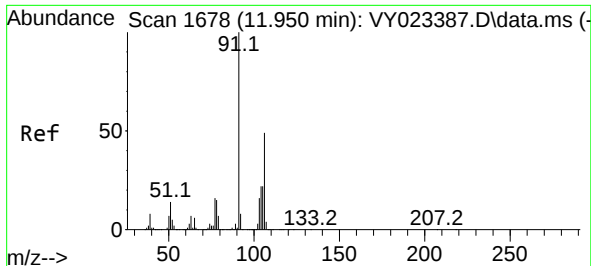
Tgt Ion:106 Resp: 38017

Ion Ratio Lower Upper

106 100

91 189.6 152.6 229.0

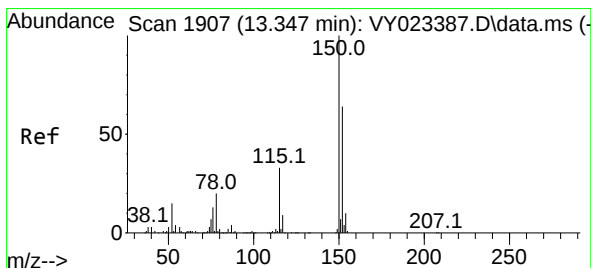
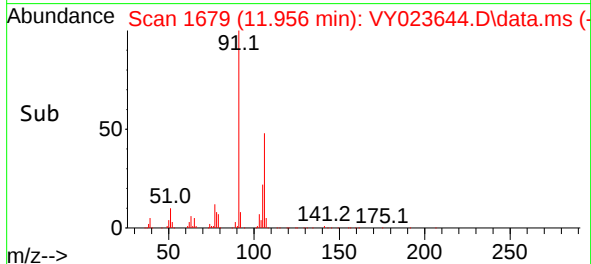
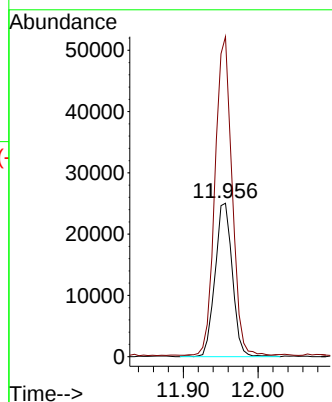
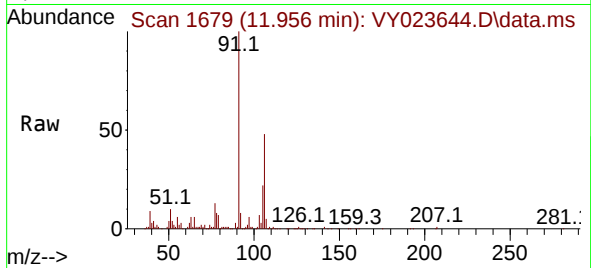




#69
o-Xylene
Concen: 2.761 ug/l
RT: 11.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

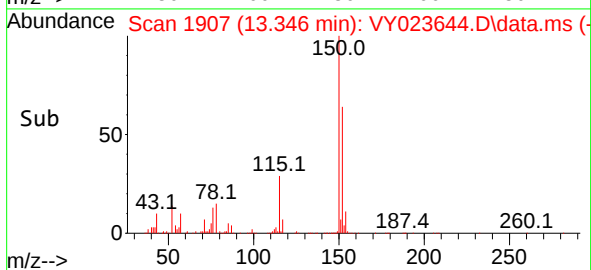
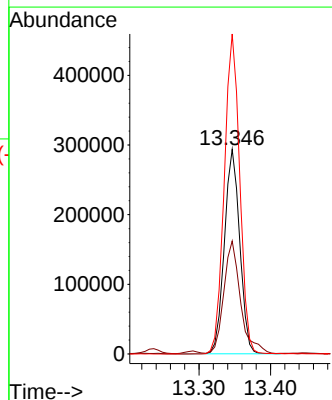
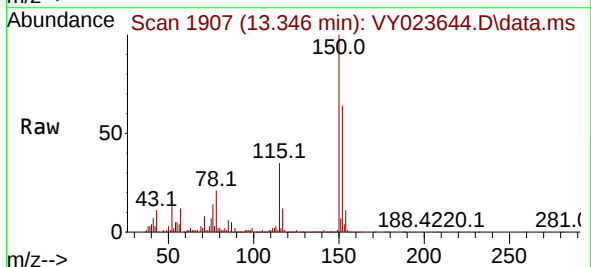
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HD-01-103125

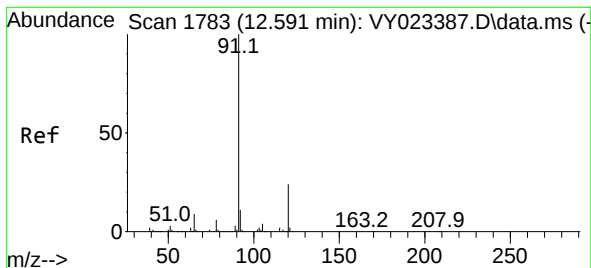
Tgt Ion:106 Resp: 40224
Ion Ratio Lower Upper
106 100
91 203.8 101.4 304.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Tgt Ion:152 Resp: 437972
Ion Ratio Lower Upper
152 100
115 59.7 27.1 81.2
150 157.3 0.0 347.4





#78

n-propylbenzene

Concen: 3.842 ug/l

RT: 12.590 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023644.D

Acq: 31 Oct 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

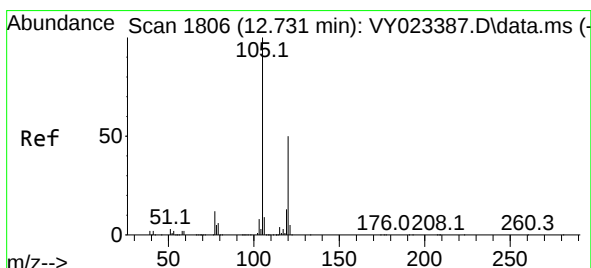
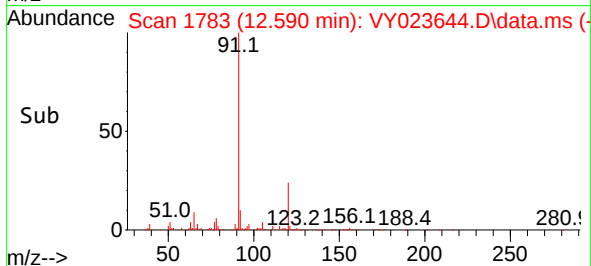
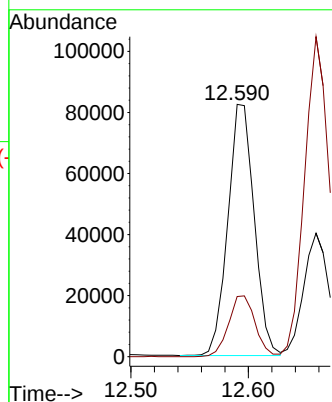
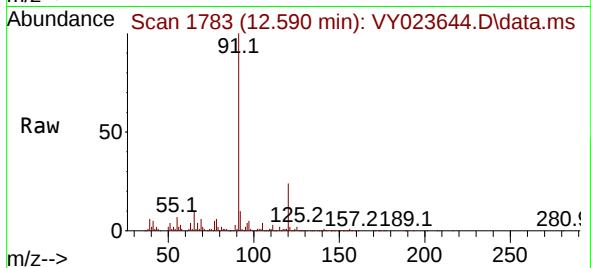
HD-01-103125

Tgt Ion: 91 Resp: 128336

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.8



#80

1,3,5-Trimethylbenzene

Concen: 13.675 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023644.D

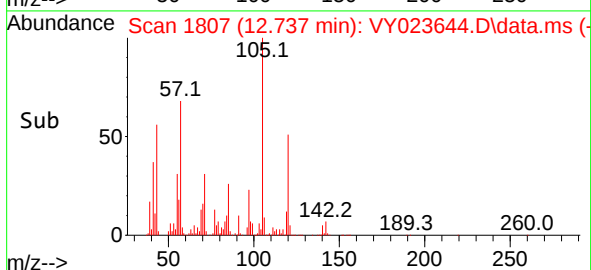
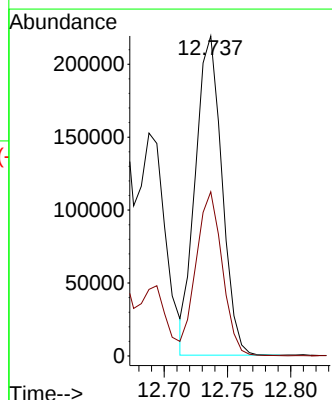
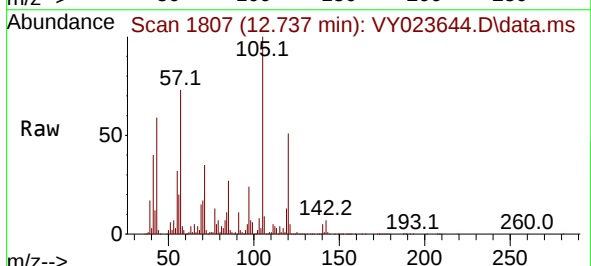
Acq: 31 Oct 2025 15:01

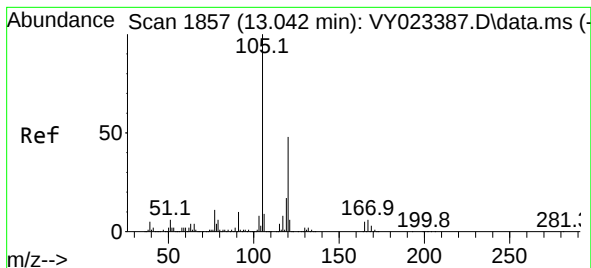
Tgt Ion:105 Resp: 318943

Ion Ratio Lower Upper

105 100

120 50.8 25.4 76.4

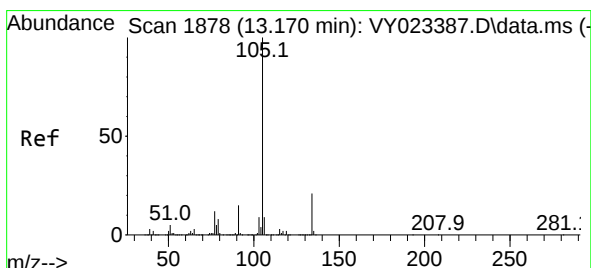
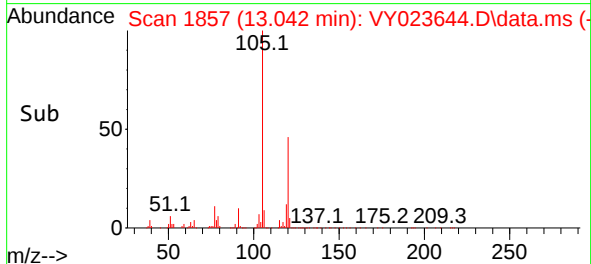
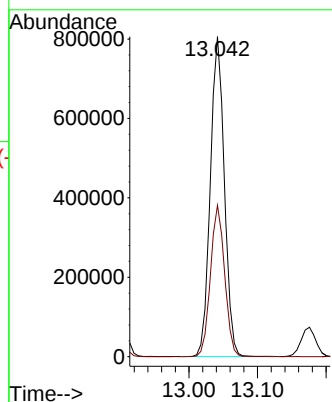
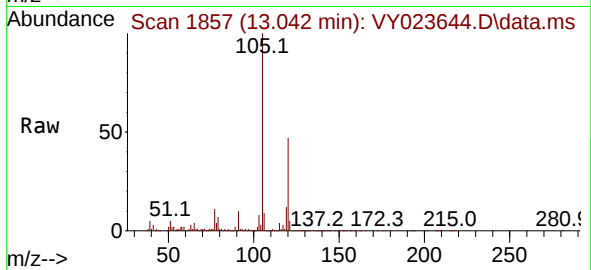




#84
1,2,4-Trimethylbenzene
Concen: 49.247 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

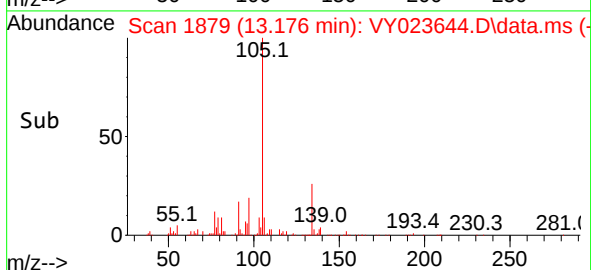
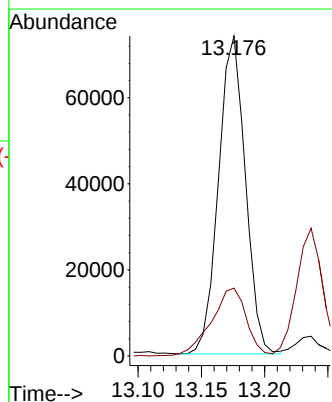
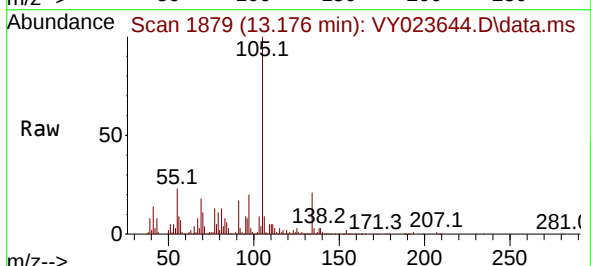
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-103125

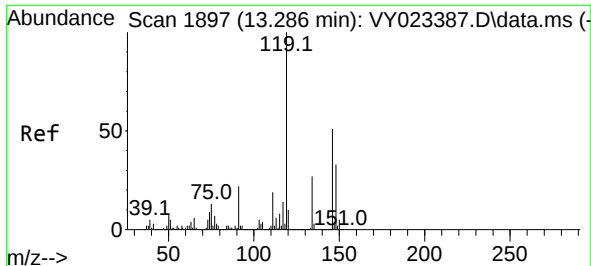
Tgt Ion:105 Resp: 1146305
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.2



#85
sec-Butylbenzene
Concen: 3.525 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Tgt Ion:105 Resp: 108892
Ion Ratio Lower Upper
105 100
134 28.0 10.7 32.1

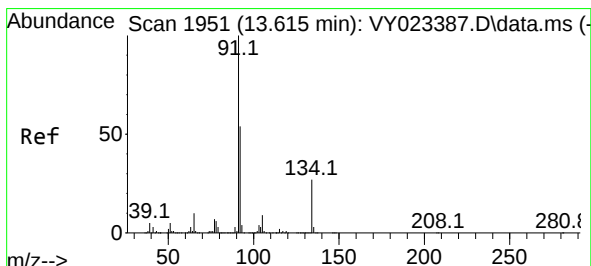
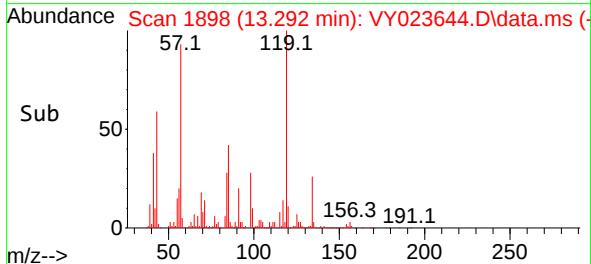
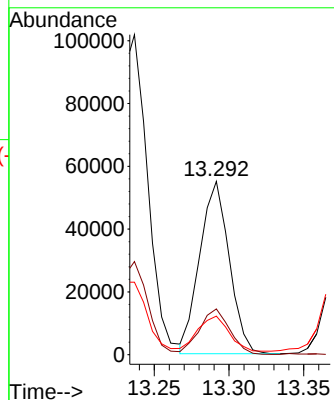
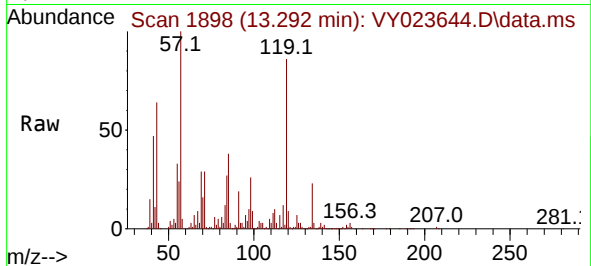




#86
p-Isopropyltoluene
Concen: 2.868 ug/l
RT: 13.292 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
HD-01-103125

Tgt Ion:119 Resp: 75424
Ion Ratio Lower Upper
119 100
134 26.9 13.6 40.7
91 21.5 10.9 32.9



#89
n-Butylbenzene
Concen: 5.688 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY023644.D
Acq: 31 Oct 2025 15:01

Tgt Ion: 91 Resp: 130364
Ion Ratio Lower Upper
91 100
92 61.8 27.0 80.8
134 0.0 14.1 42.2#

