

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023856.D
 Acq On : 02 Dec 2025 13:18
 Operator : SY/MD
 Sample : Q3741-05RE
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP11-112525RE

Quant Time: Dec 03 01:03:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

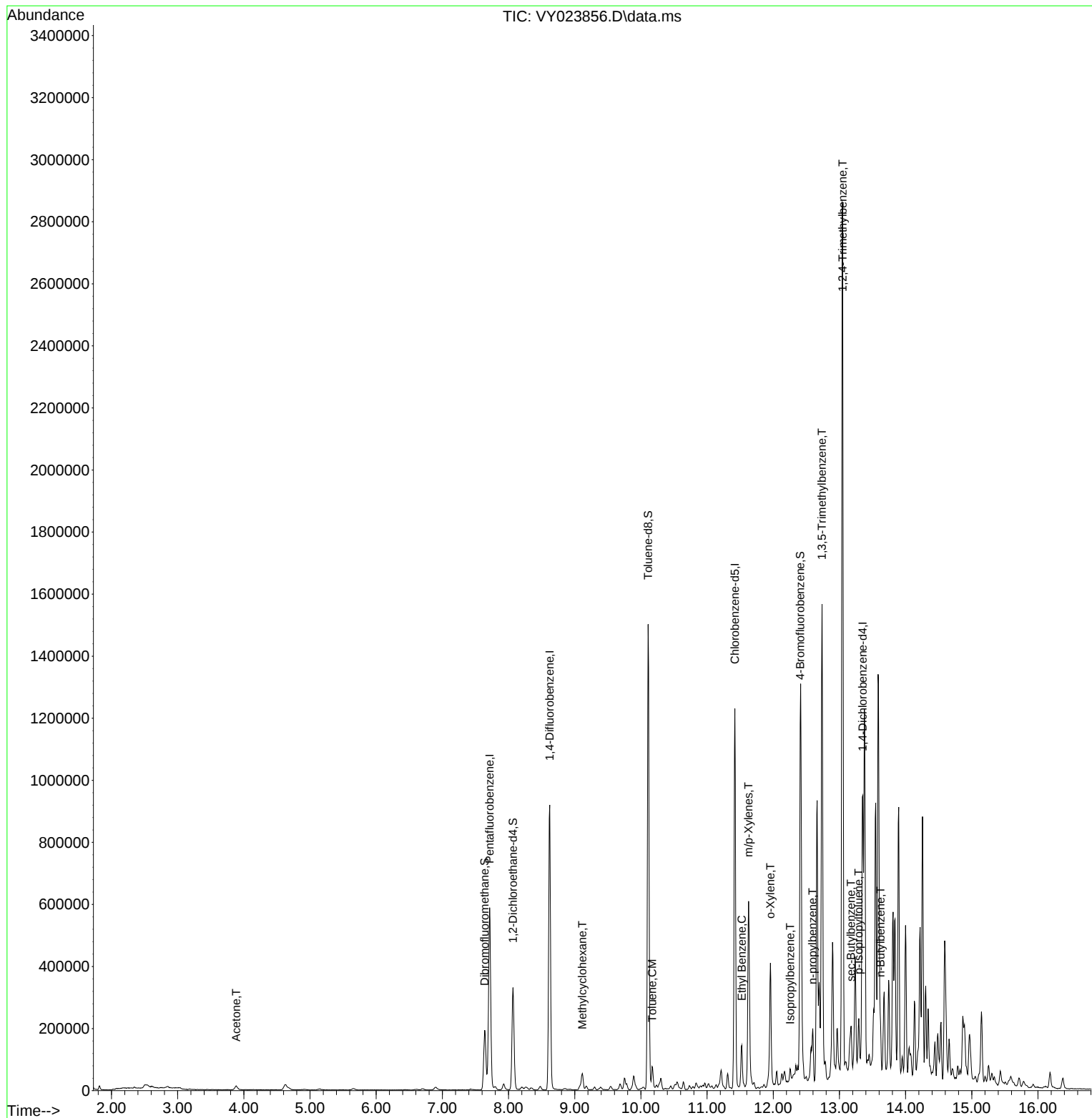
Internal Standards						
1) Pentafluorobenzene	7.713	168	438040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	779211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	643605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	232370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	256472	60.122	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.240%			
35) Dibromofluoromethane	7.640	113	136301	29.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 59.060%			
50) Toluene-d8	10.109	98	942973	51.431	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.407	95	254757	42.229	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.460%			
Target Compounds						Qvalue
16) Acetone	3.885	43	22873	18.610	ug/l	97
39) Methylcyclohexane	9.115	83	17749	1.899	ug/l	93
52) Toluene	10.170	92	27673	2.050	ug/l	94
67) Ethyl Benzene	11.523	91	88290	3.659	ug/l	99
68) m/p-Xylenes	11.627	106	171586	18.453	ug/l	100
69) o-Xylene	11.956	106	100354	11.512	ug/l	99
73) Isopropylbenzene	12.255	105	27259	1.653	ug/l	97
78) n-propylbenzene	12.596	91	122993	6.194	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	627983	46.645	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1531343	113.814	ug/l	99
85) sec-Butylbenzene	13.176	105	77023	4.314	ug/l #	65
86) p-Isopropyltoluene	13.291	119	69500	4.657	ug/l	100
89) n-Butylbenzene	13.621	91	78724	5.754	ug/l #	69

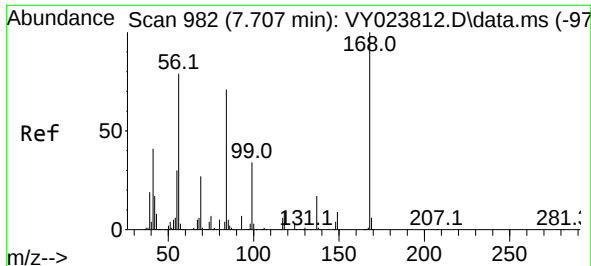
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B50-SP11-112525RE

Quant Time: Dec 03 01:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

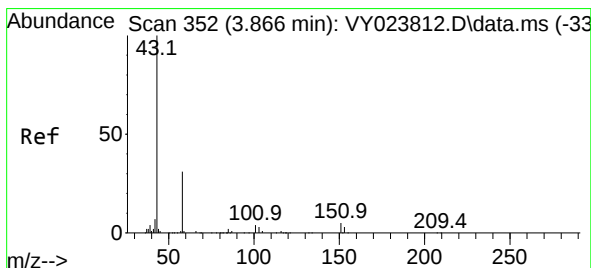
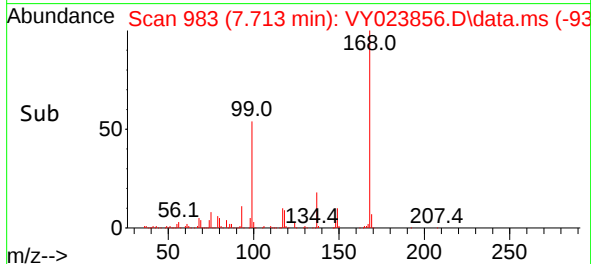
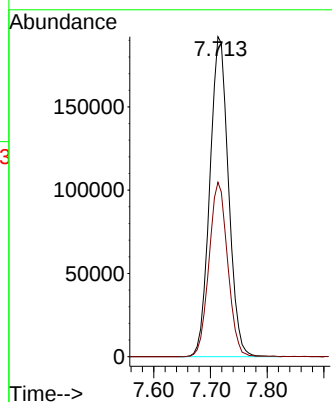
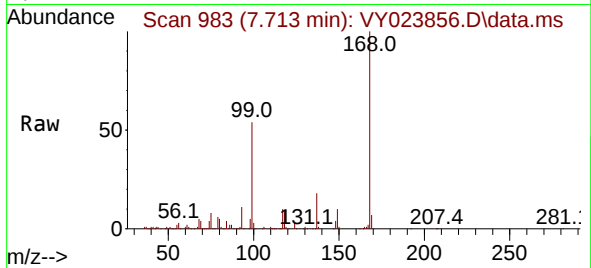




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

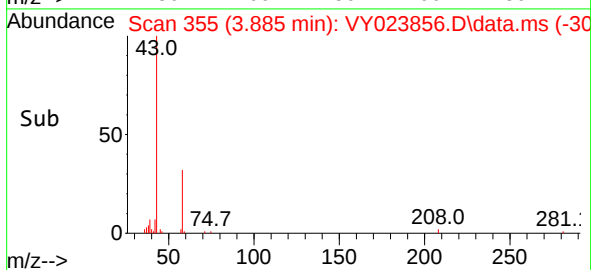
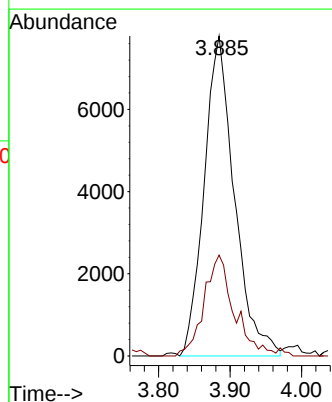
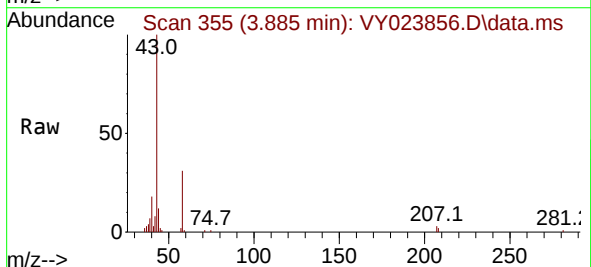
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

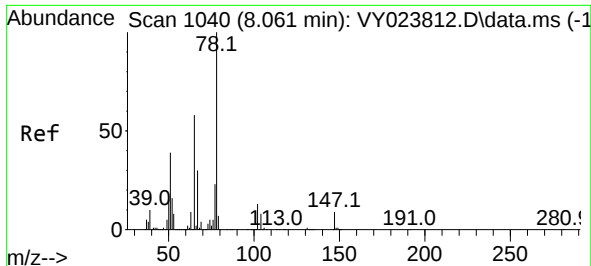
Tgt Ion:168 Resp: 438040
Ion Ratio Lower Upper
168 100
99 54.5 44.0 66.0



#16
Acetone
Concen: 18.610 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 43 Resp: 22873
Ion Ratio Lower Upper
43 100
58 30.0 25.4 38.2





#33

1,2-Dichloroethane-d4

Concen: 60.122 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023856.D

Acq: 02 Dec 2025 13:18

Instrument :

MSVOA_Y

ClientSampleId :

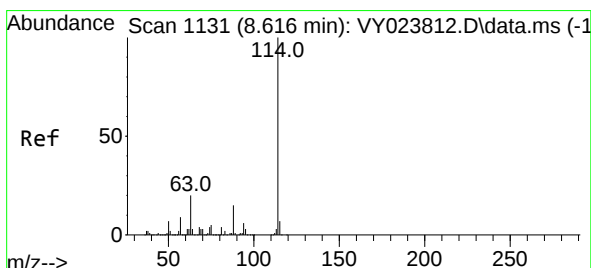
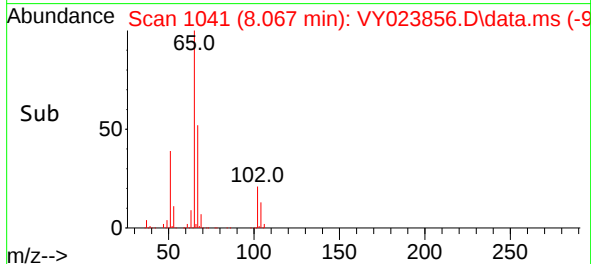
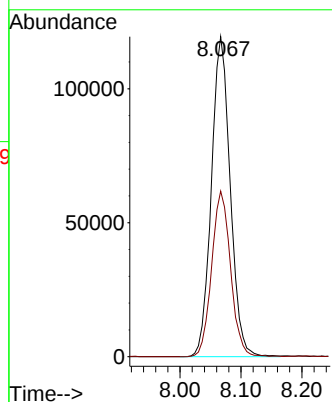
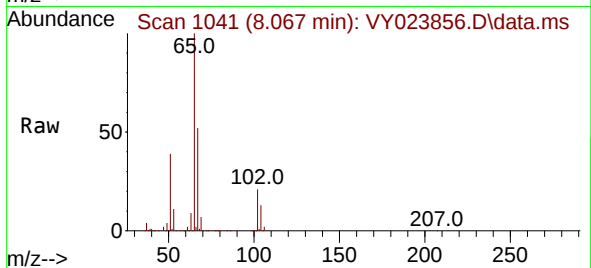
B50-SP11-112525RE

Tgt Ion: 65 Resp: 256472

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023856.D

Acq: 02 Dec 2025 13:18

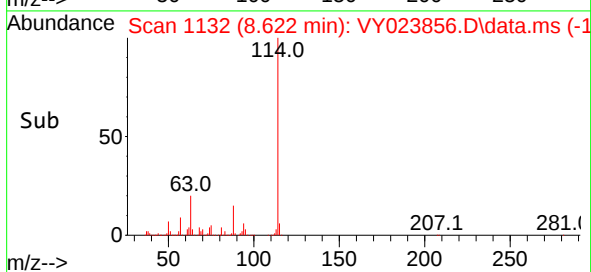
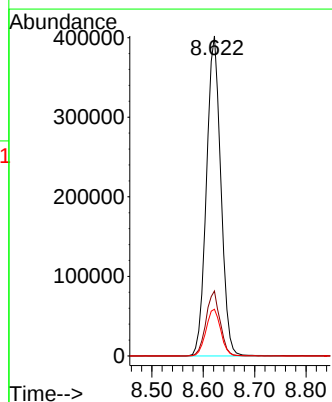
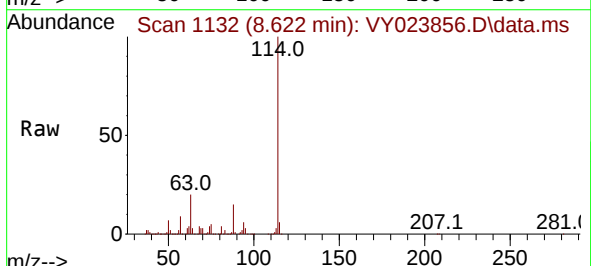
Tgt Ion: 114 Resp: 779211

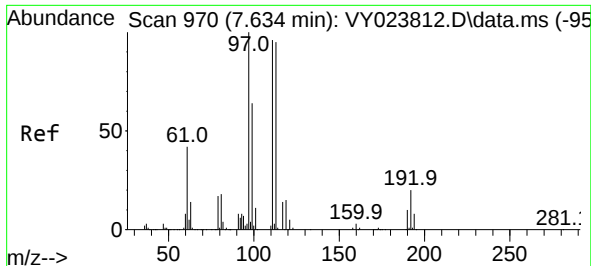
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

88 14.6 0.0 30.8

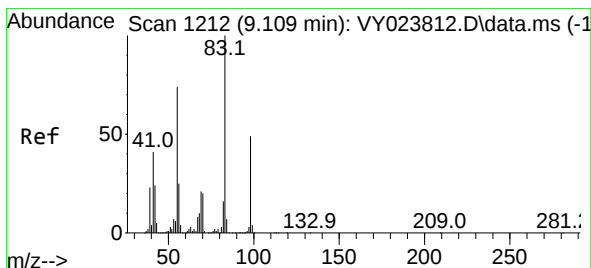
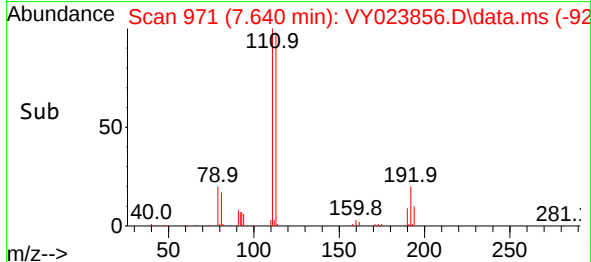
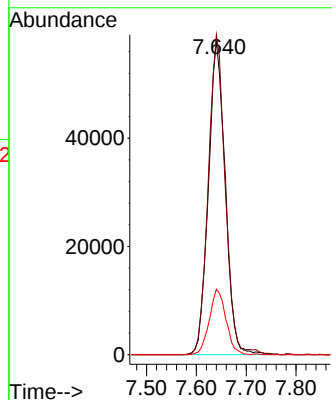
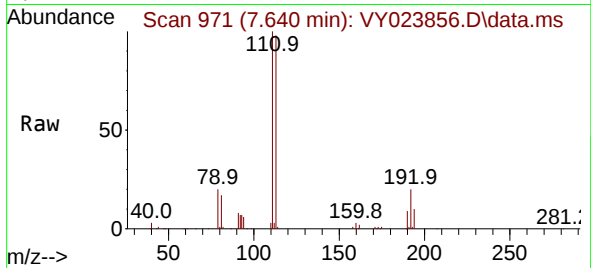




#35
Dibromofluoromethane
Concen: 29.528 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

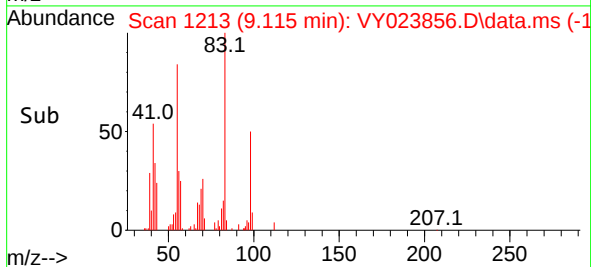
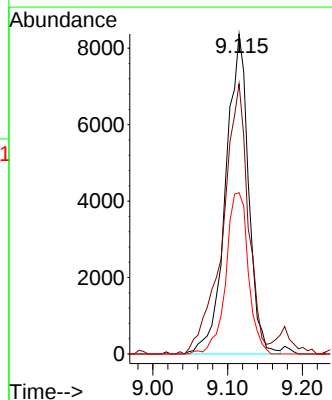
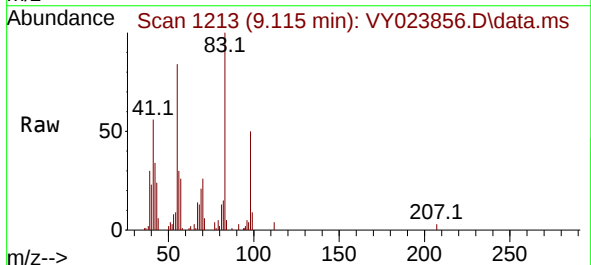
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

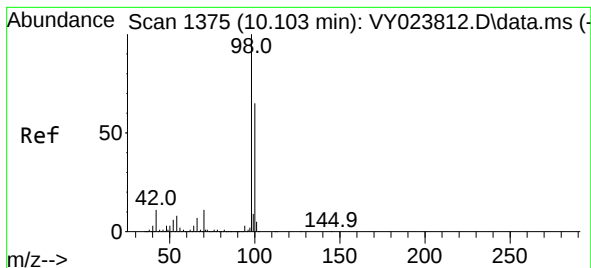
Tgt Ion:113 Resp: 136301
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 20.6 15.8 23.8



#39
Methylcyclohexane
Concen: 1.899 ug/l
RT: 9.115 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 83 Resp: 17749
Ion Ratio Lower Upper
83 100
55 83.8 59.4 89.2
98 50.4 39.5 59.3

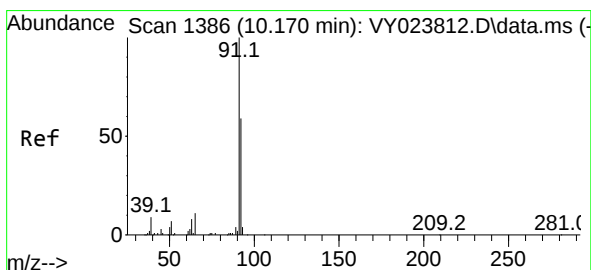
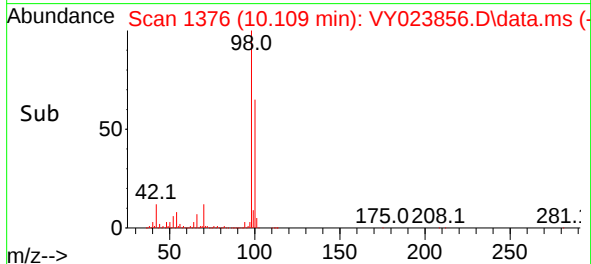
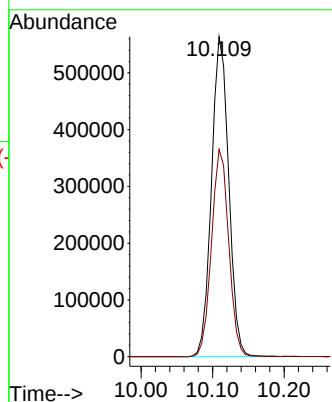
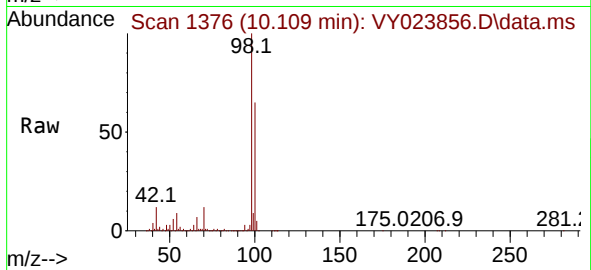




#50
Toluene-d8
Concen: 51.431 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

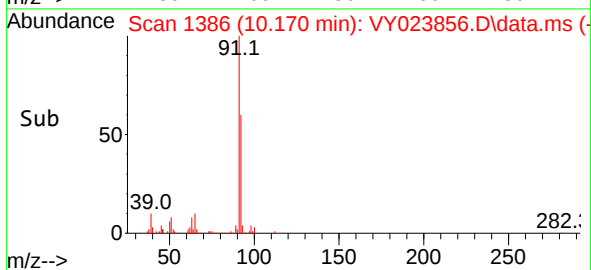
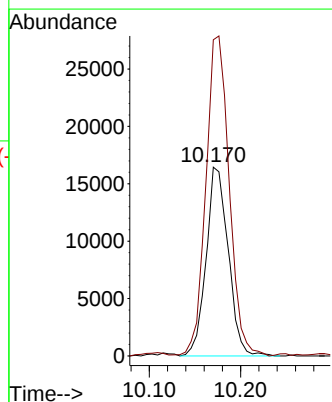
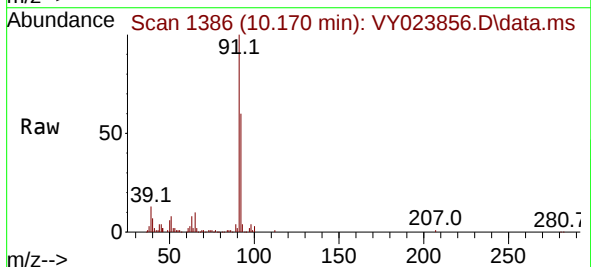
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

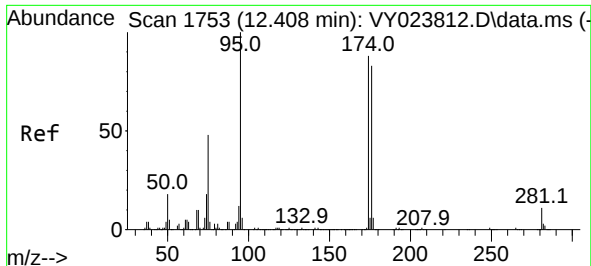
Tgt Ion: 98 Resp: 942973
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#52
Toluene
Concen: 2.050 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 92 Resp: 27673
Ion Ratio Lower Upper
92 100
91 178.8 136.8 205.2

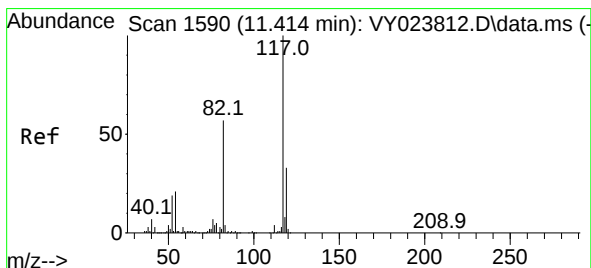
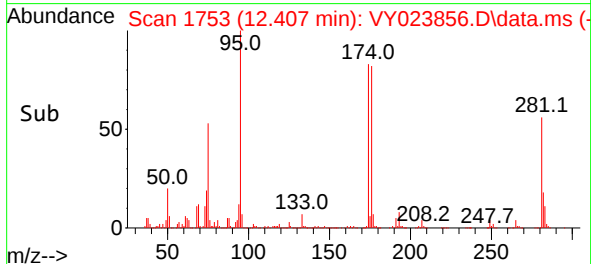
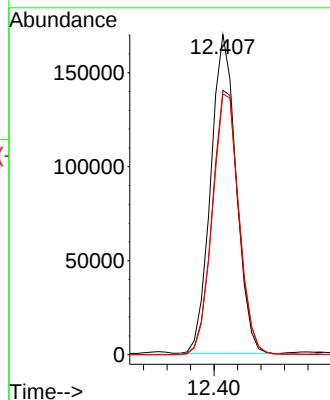
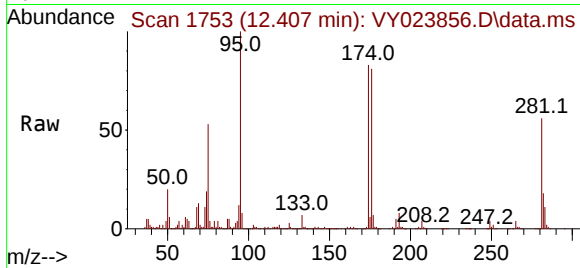




#62
4-Bromofluorobenzene
Concen: 42.229 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

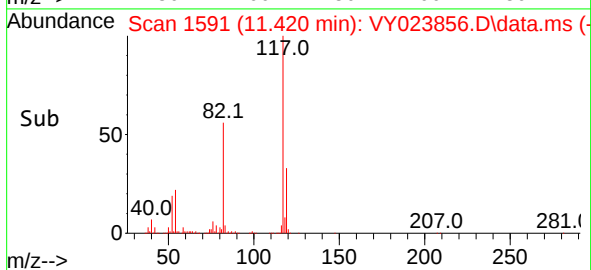
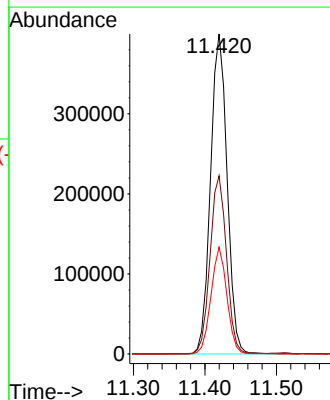
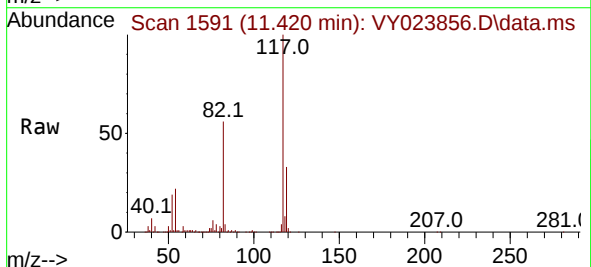
Instrument :
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ClientSampleId :
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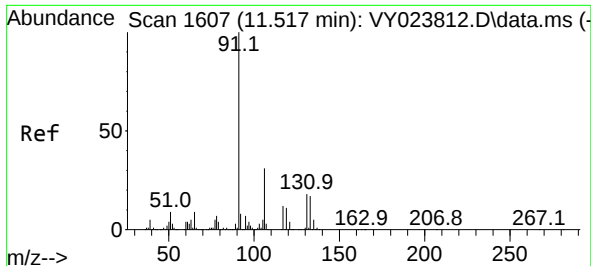
Tgt Ion: 95 Resp: 254757
Ion Ratio Lower Upper
95 100
174 86.2 0.0 168.6
176 85.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 117 Resp: 643605
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.0
119 33.4 26.0 39.0





#67

Ethyl Benzene

Concen: 3.659 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY023856.D

Acq: 02 Dec 2025 13:18

Instrument :

MSVOA_Y

ClientSampleId :

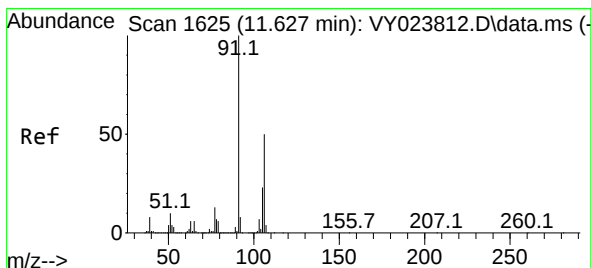
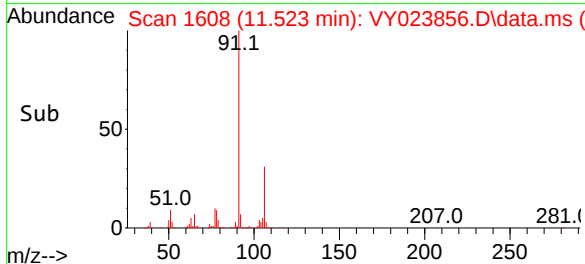
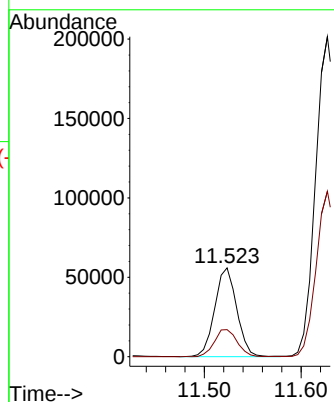
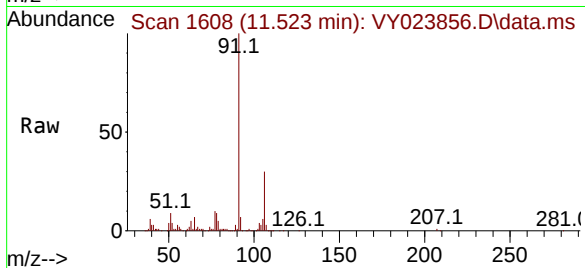
B50-SP11-112525RE

Tgt Ion: 91 Resp: 88290

Ion Ratio Lower Upper

91 100

106 30.5 24.9 37.3



#68

m/p-Xylenes

Concen: 18.453 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023856.D

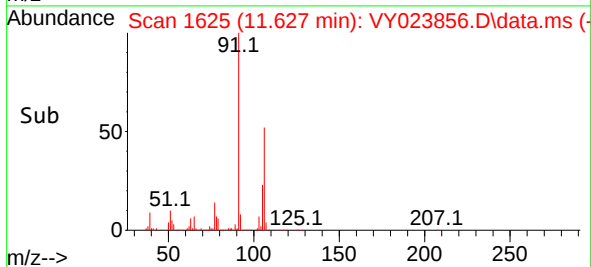
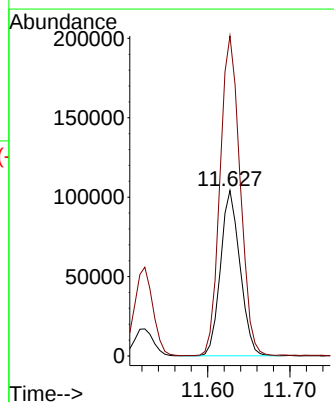
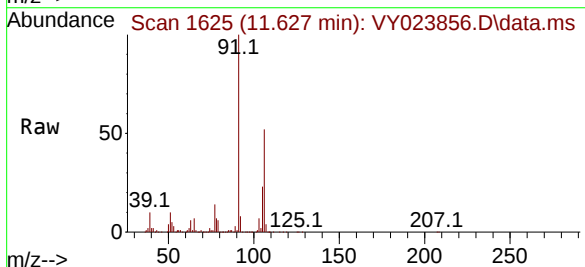
Acq: 02 Dec 2025 13:18

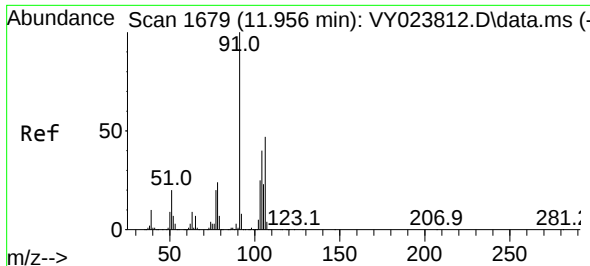
Tgt Ion:106 Resp: 171586

Ion Ratio Lower Upper

106 100

91 198.9 159.5 239.3

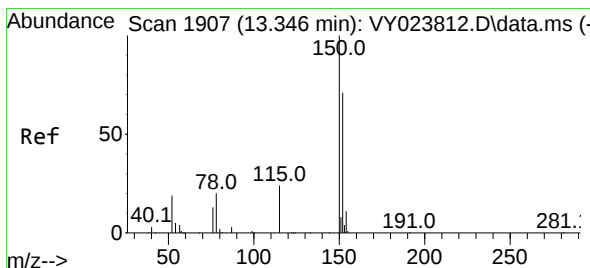
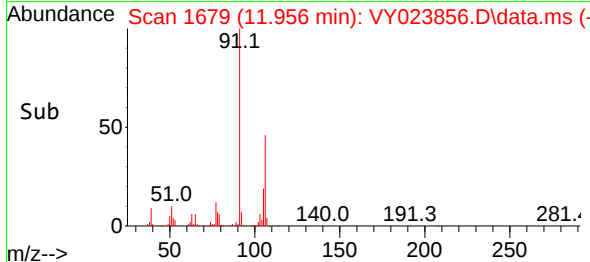
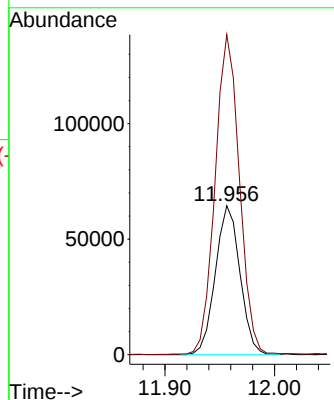
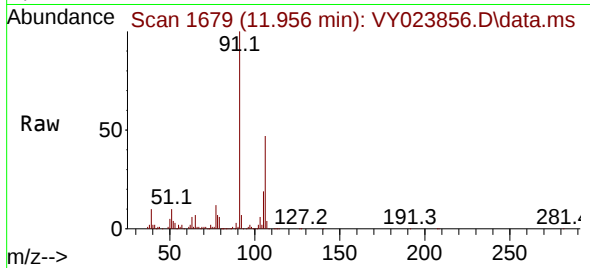




#69
o-Xylene
Concen: 11.512 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

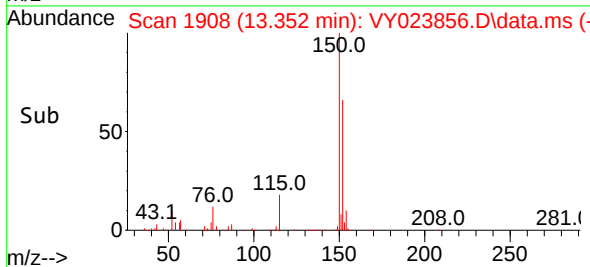
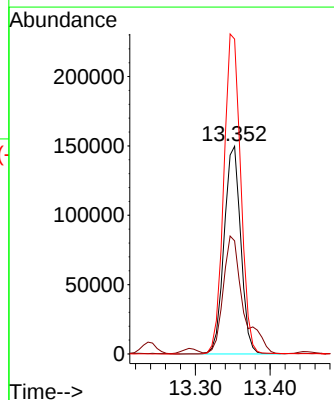
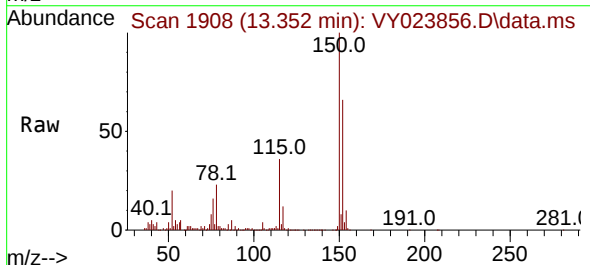
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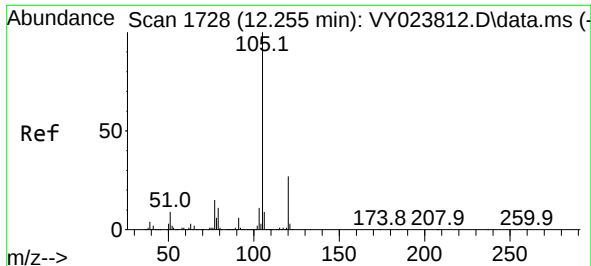
Tgt Ion:106 Resp: 100354
Ion Ratio Lower Upper
106 100
91 214.2 106.5 319.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion:152 Resp: 232370
Ion Ratio Lower Upper
152 100
115 67.8 28.7 86.3
150 156.7 0.0 345.6

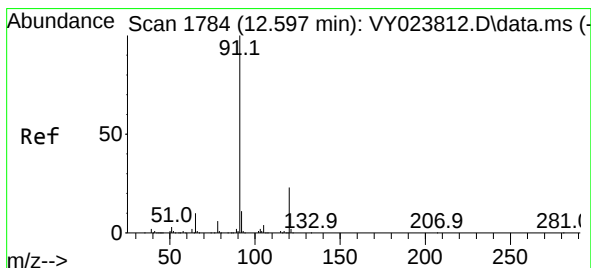
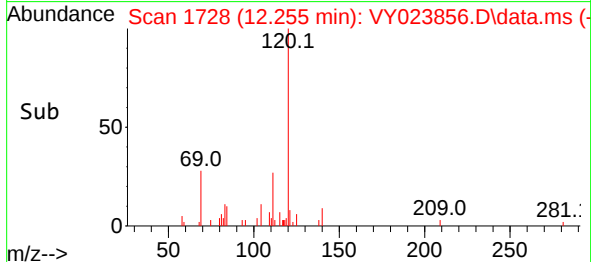
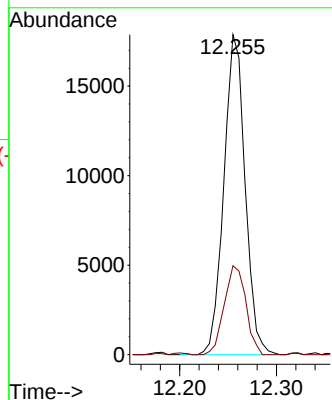
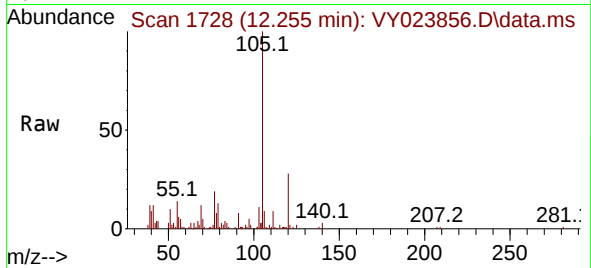




#73
Isopropylbenzene
Concen: 1.653 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

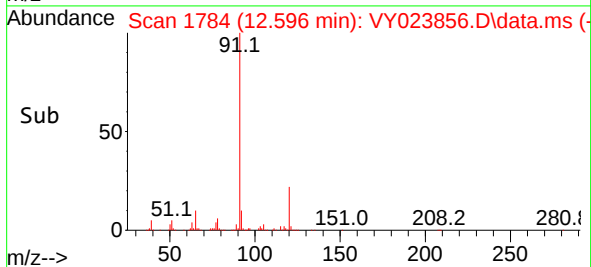
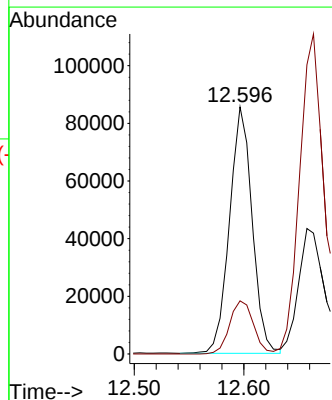
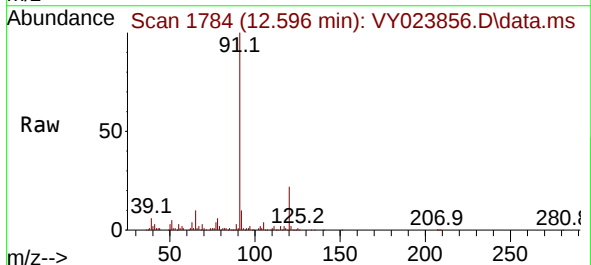
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

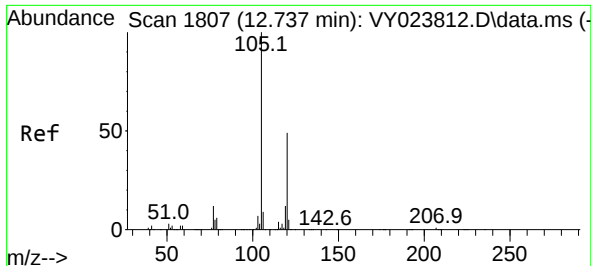
Tgt Ion:105 Resp: 27259
Ion Ratio Lower Upper
105 100
120 28.3 13.3 39.8



#78
n-propylbenzene
Concen: 6.194 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 91 Resp: 122993
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.8

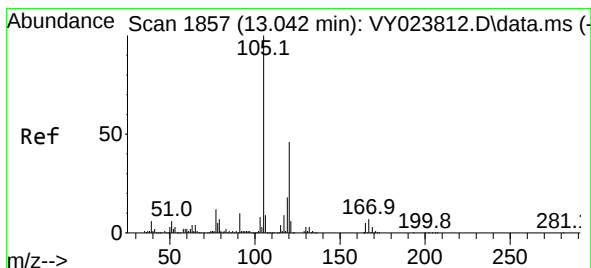
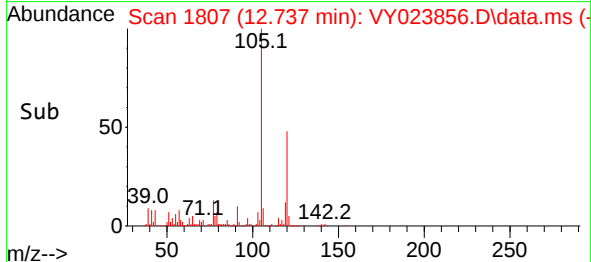
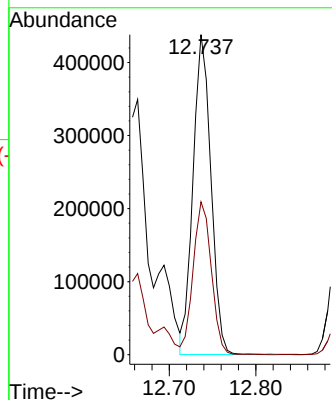
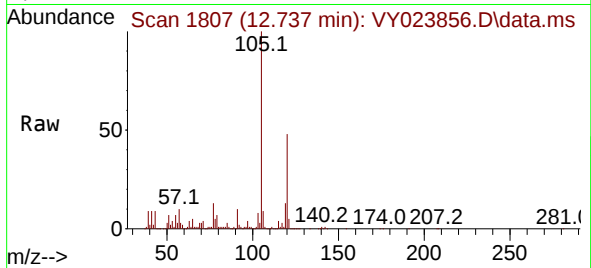




#80
 1,3,5-Trimethylbenzene
 Concen: 46.645 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY023856.D
 Acq: 02 Dec 2025 13:18

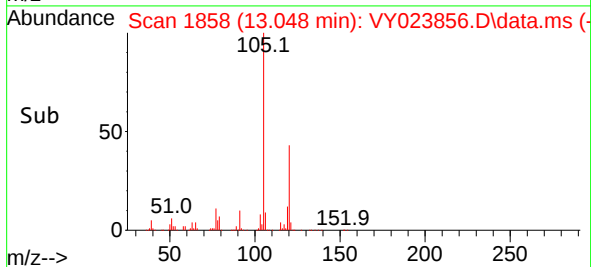
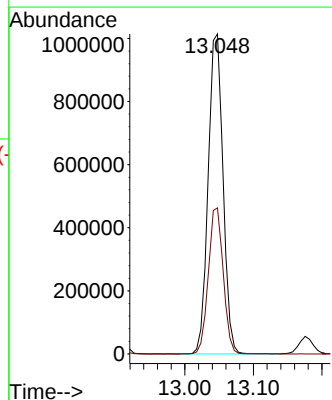
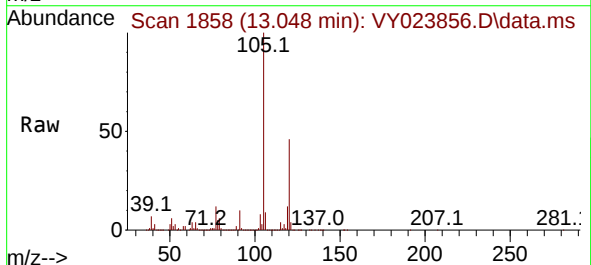
Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP11-112525RE

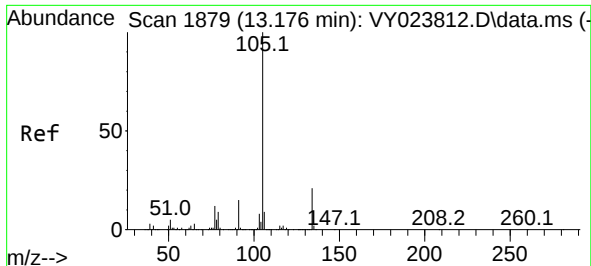
Tgt Ion:105 Resp: 627983
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 113.814 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.006 min
 Lab File: VY023856.D
 Acq: 02 Dec 2025 13:18

Tgt Ion:105 Resp: 1531343
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.5 67.5

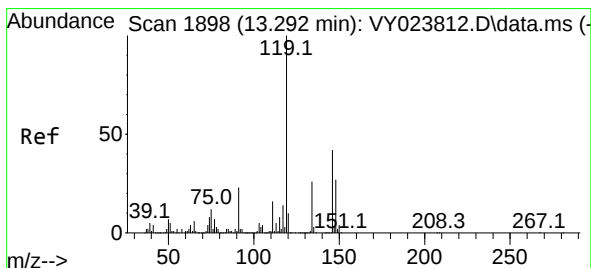
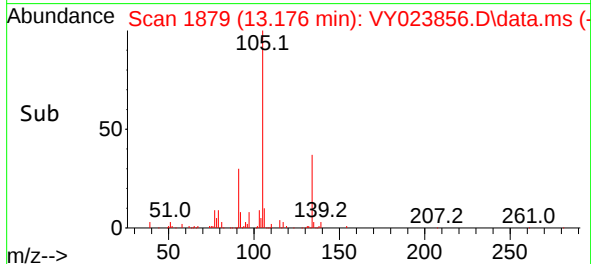
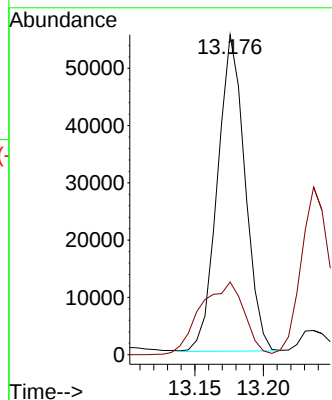
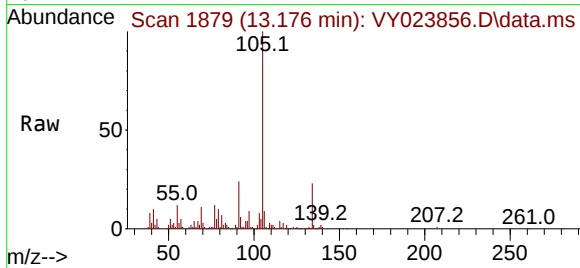




#85
 sec-Butylbenzene
 Concen: 4.314 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023856.D
 Acq: 02 Dec 2025 13:18

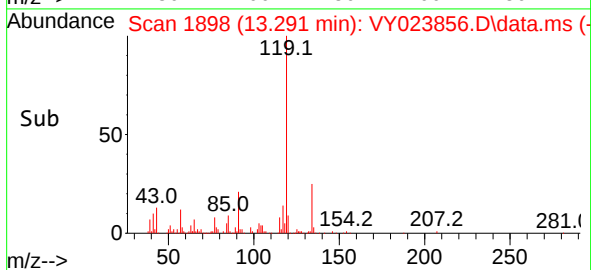
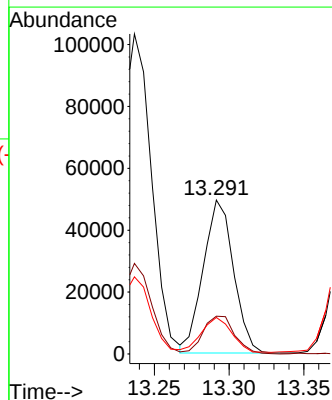
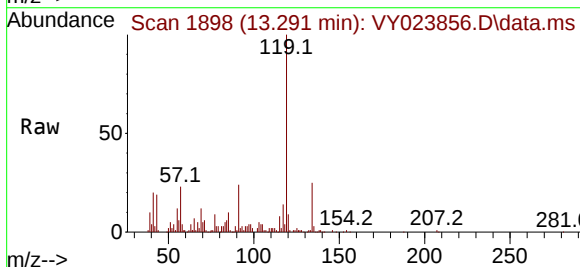
Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP11-112525RE

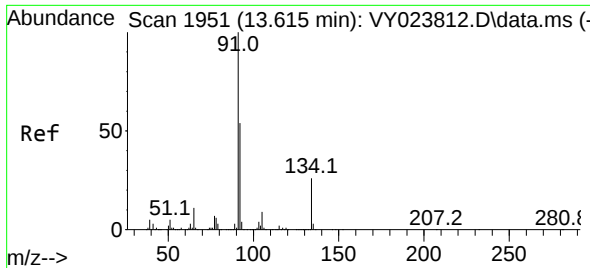
Tgt Ion:105 Resp: 77023
 Ion Ratio Lower Upper
 105 100
 134 36.5 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 4.657 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023856.D
 Acq: 02 Dec 2025 13:18

Tgt Ion:119 Resp: 69500
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 22.7 11.5 34.4





#89
 n-Butylbenzene
 Concen: 5.754 ug/l
 RT: 13.621 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VY023856.D
 Acq: 02 Dec 2025 13:18

Instrument : MSVOA_Y
 ClientSampleId : B50-SP11-112525RE

Tgt Ion: 91	Resp: 78724
Ion Ratio	Lower Upper
91	100
92	68.5 26.8 80.3
134	0.0 13.0 39.0#

