

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023246.D
 Acq On : 29 Aug 2025 14:41
 Operator : SY/MD
 Sample : Q2983-01
 Misc : 3.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0128

Quant Time: Aug 30 01:22:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

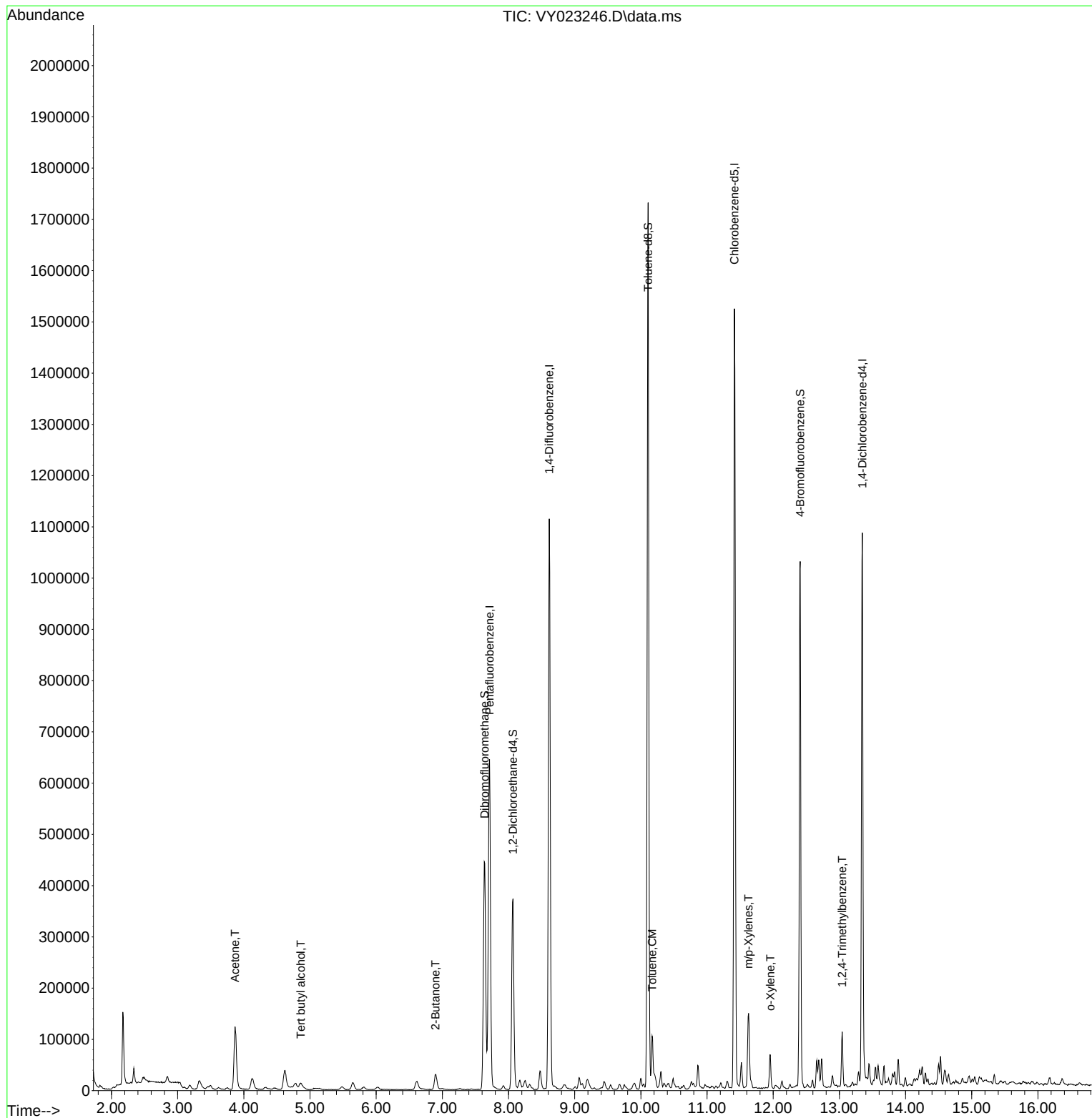
Internal Standards						
1) Pentafluorobenzene	7.713	168	522939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	979785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	838526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	282939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	289482	58.083	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.160%	
35) Dibromofluoromethane	7.640	113	322364	54.985	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.980%	
50) Toluene-d8	10.109	98	1145715	50.024	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.040%	
62) 4-Bromofluorobenzene	12.408	95	312657	42.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	21271	62.288	ug/l	99
16) Acetone	3.866	43	203647	188.606	ug/l	100
25) 2-Butanone	6.896	43	45308	30.853	ug/l	96
52) Toluene	10.170	92	42021	2.464	ug/l	100
68) m/p-Xylenes	11.627	106	46559	3.830	ug/l	95
69) o-Xylene	11.956	106	17162	1.507	ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	54608	3.399	ug/l	96

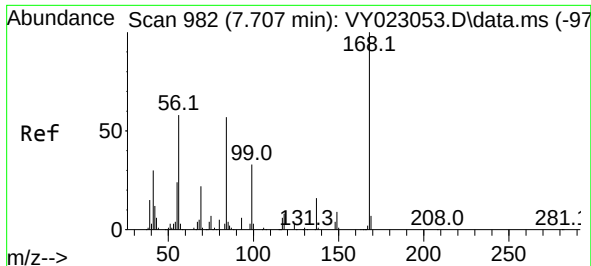
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

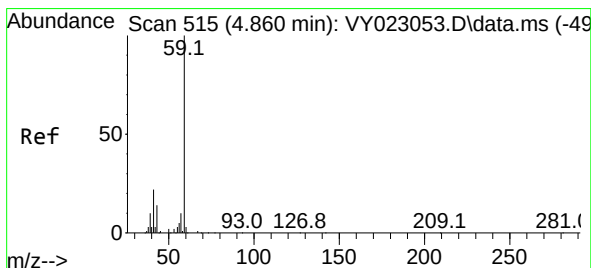
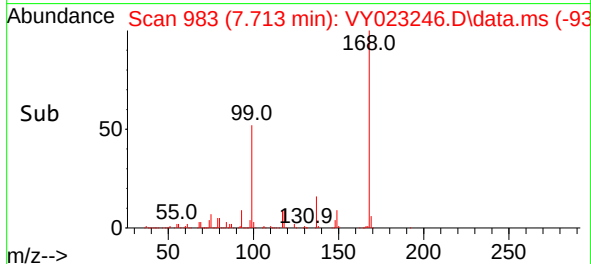
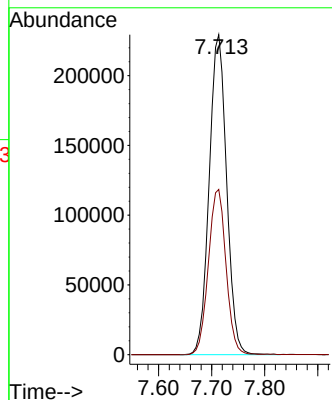
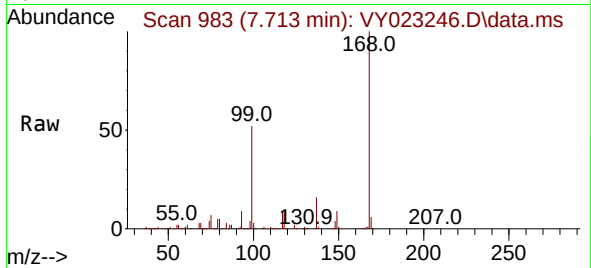




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

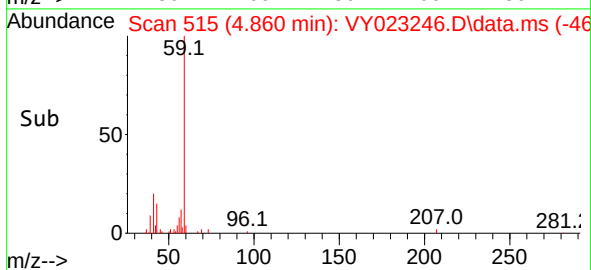
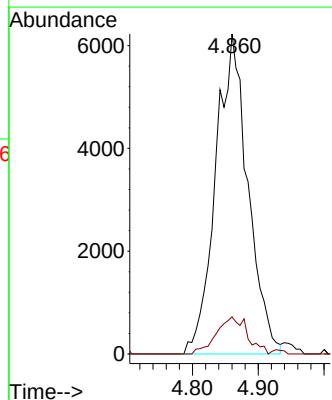
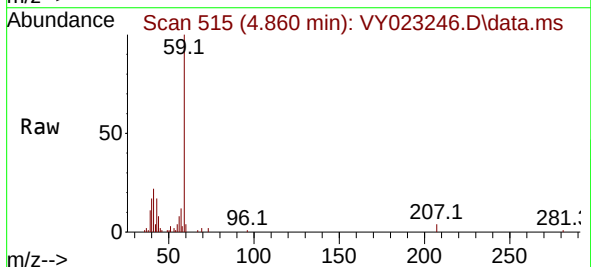
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0128

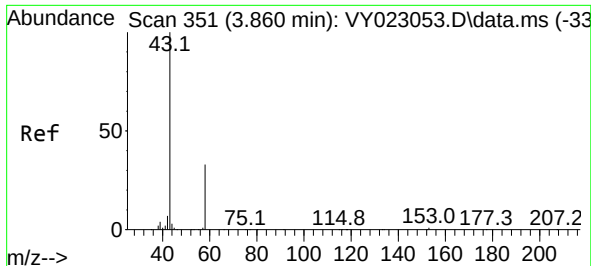
Tgt Ion:168 Resp: 522939
Ion Ratio Lower Upper
168 100
99 51.6 42.8 64.2



#11
Tert butyl alcohol
Concen: 62.288 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

Tgt Ion: 59 Resp: 21271
Ion Ratio Lower Upper
59 100
57 11.1 8.6 13.0

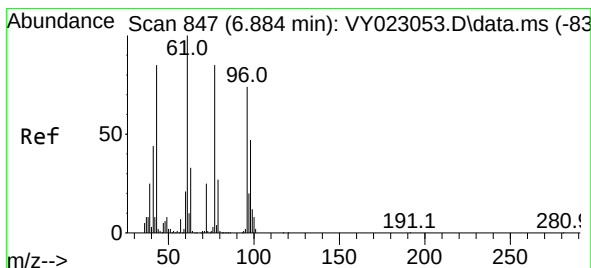
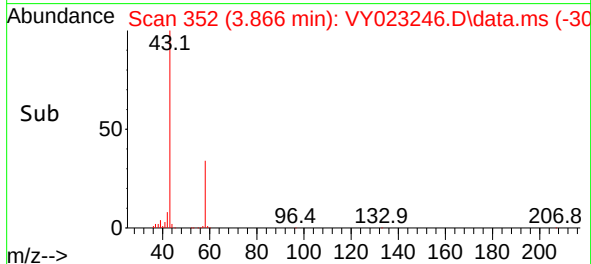
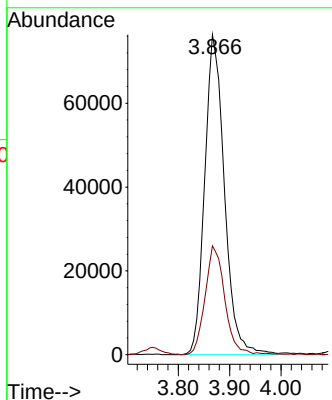
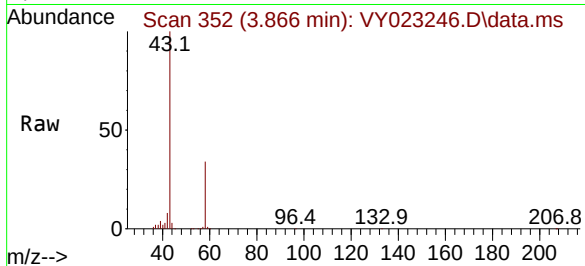




#16
Acetone
Concen: 188.606 ug/l
RT: 3.866 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

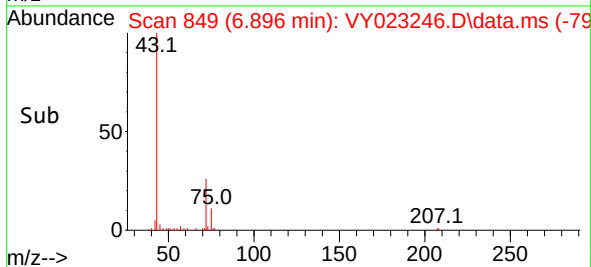
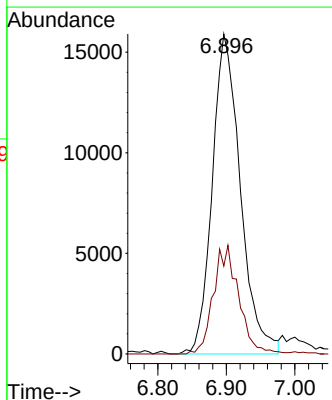
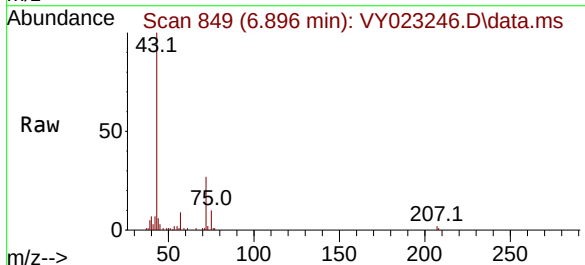
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0128

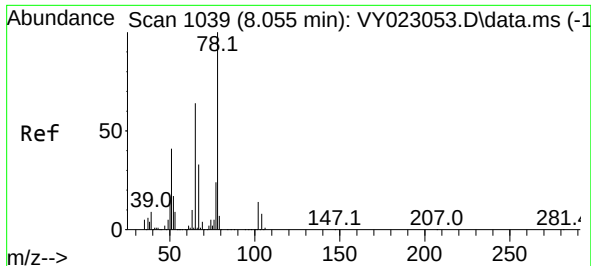
Tgt Ion: 43 Resp: 203647
Ion Ratio Lower Upper
43 100
58 33.8 27.1 40.7



#25
2-Butanone
Concen: 30.853 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

Tgt Ion: 43 Resp: 45308
Ion Ratio Lower Upper
43 100
72 27.5 23.5 35.3





#33

1,2-Dichloroethane-d4

Concen: 58.083 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY023246.D

Acq: 29 Aug 2025 14:41

Instrument :

MSVOA_Y

ClientSampleId :

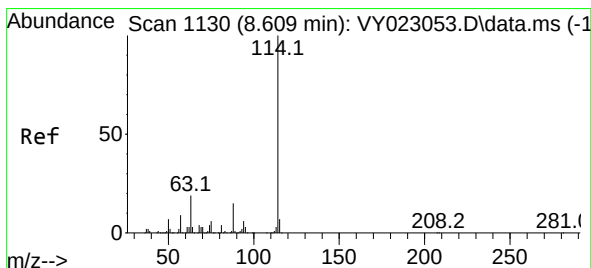
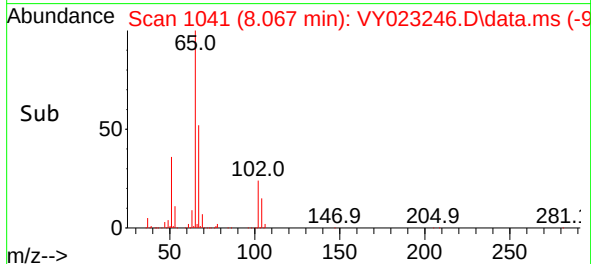
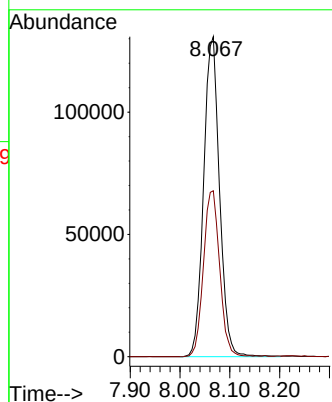
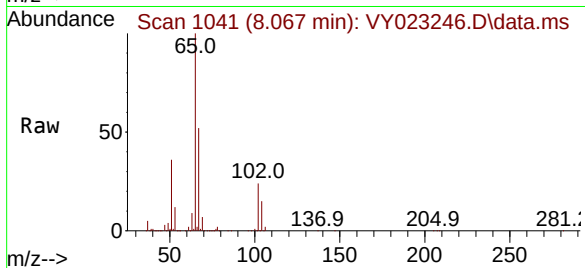
LAW-25-0128

Tgt Ion: 65 Resp: 289482

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023246.D

Acq: 29 Aug 2025 14:41

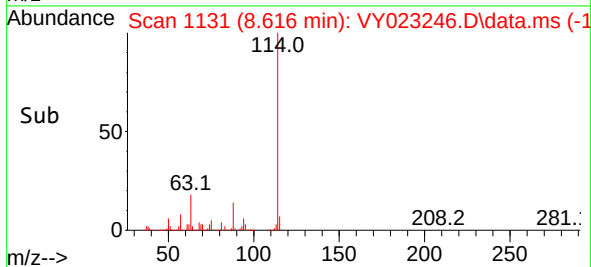
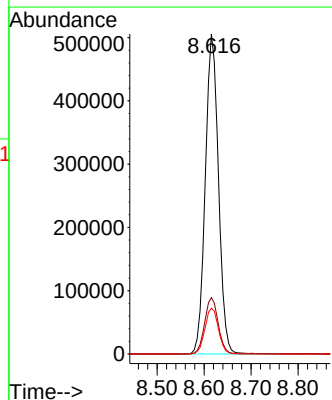
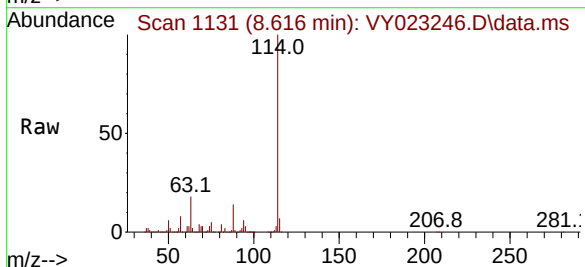
Tgt Ion: 114 Resp: 979785

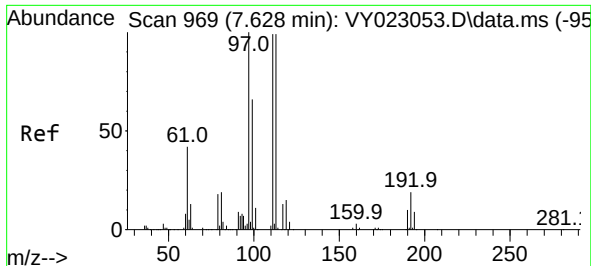
Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.3 0.0 30.0

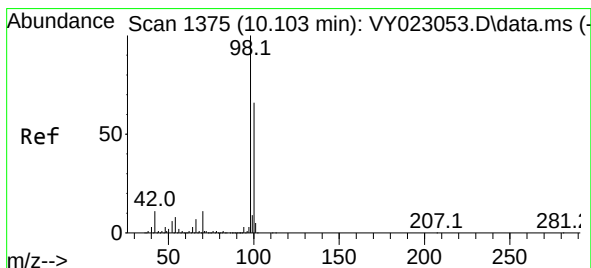
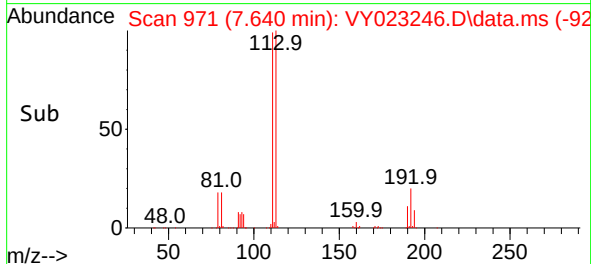
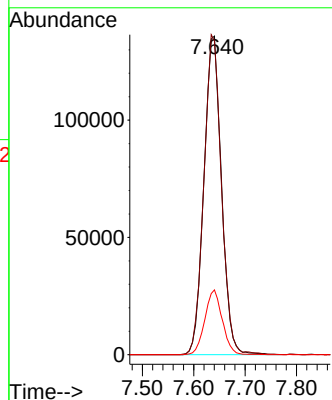
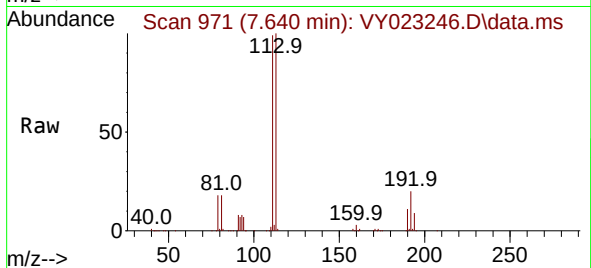




#35
Dibromofluoromethane
Concen: 54.985 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

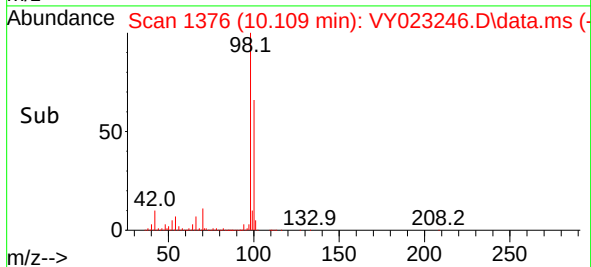
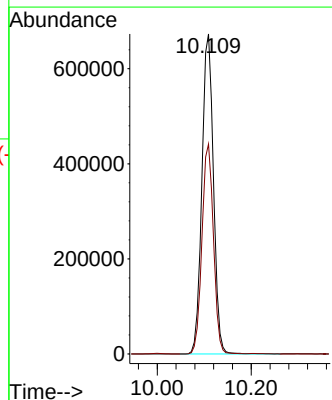
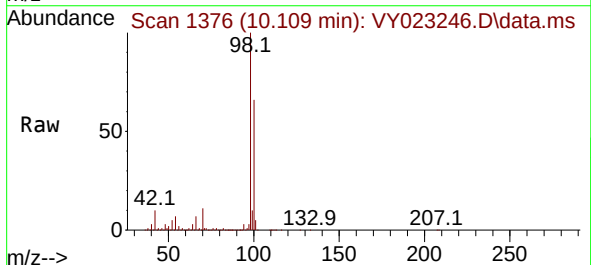
Instrument :
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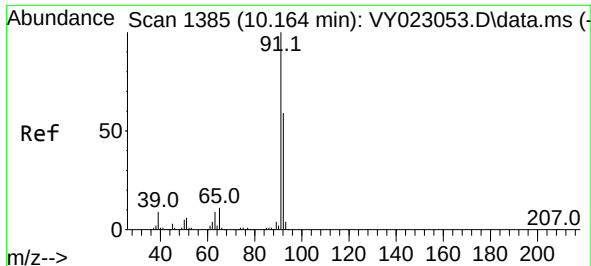
Tgt Ion:113 Resp: 322364
Ion Ratio Lower Upper
113 100
111 100.4 81.1 121.7
192 20.2 16.2 24.4



#50
Toluene-d8
Concen: 50.024 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

Tgt Ion: 98 Resp: 1145715
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

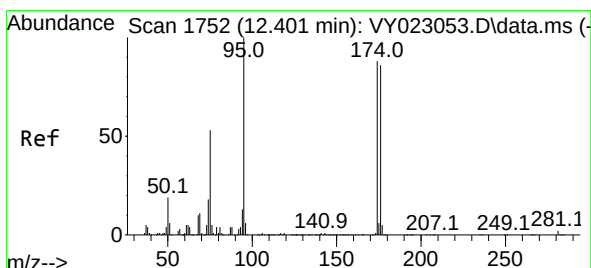
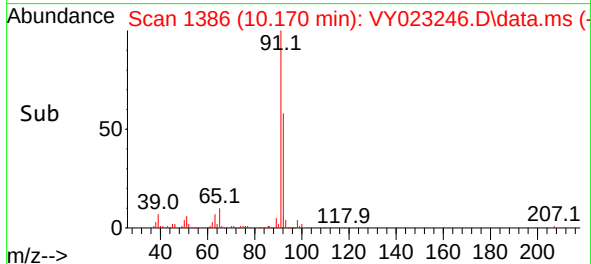
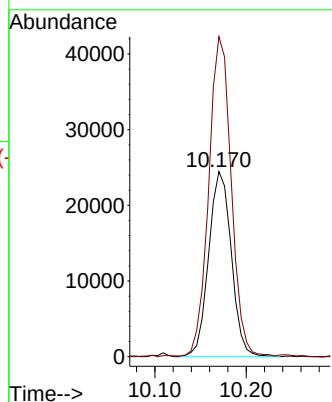
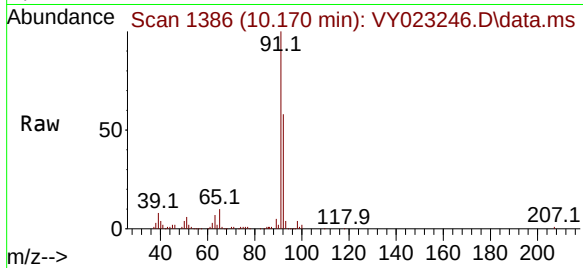




#52
Toluene
Concen: 2.464 ug/l
RT: 10.170 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

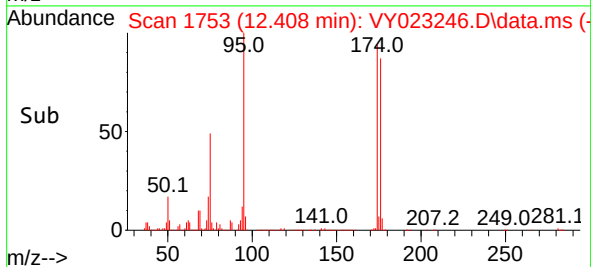
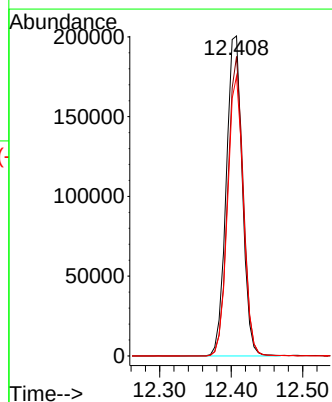
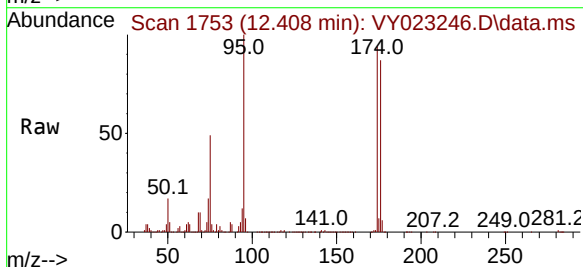
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MSVOA_Y
ClientSampleId :
LAW-25-0128

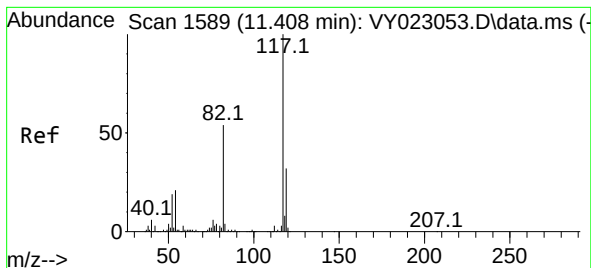
Tgt Ion: 92 Resp: 42021
Ion Ratio Lower Upper
92 100
91 171.1 136.4 204.6



#62
4-Bromofluorobenzene
Concen: 42.448 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

Tgt Ion: 95 Resp: 312657
Ion Ratio Lower Upper
95 100
174 90.8 0.0 171.6
176 86.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023246.D

Acq: 29 Aug 2025 14:41

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0128

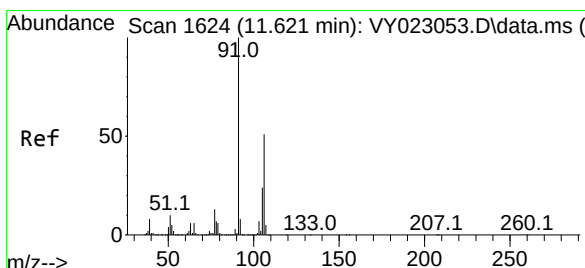
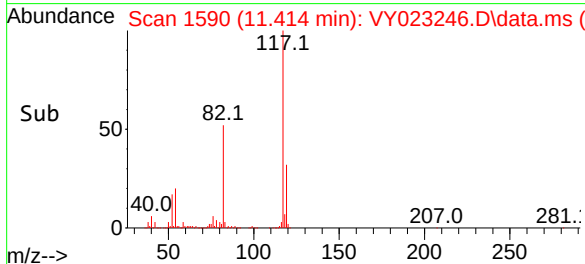
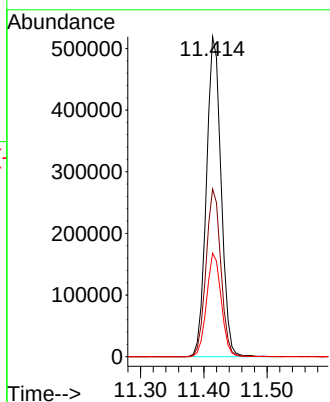
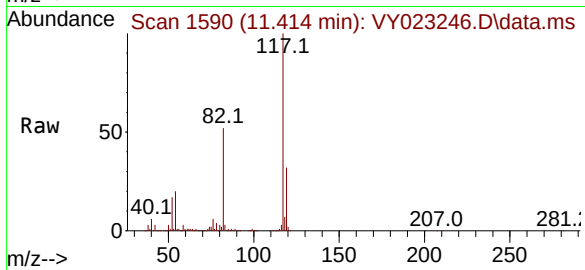
Tgt Ion:117 Resp: 838526

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 32.4 25.6 38.4



#68

m/p-Xylenes

Concen: 3.830 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023246.D

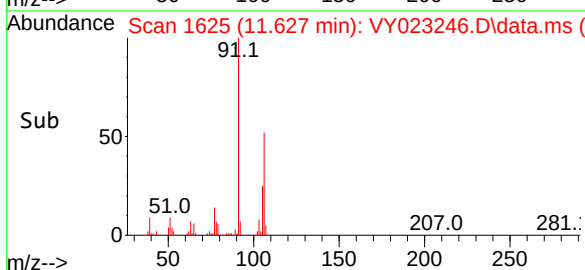
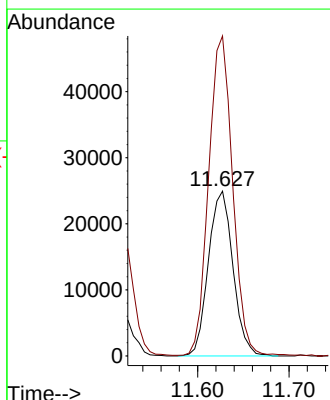
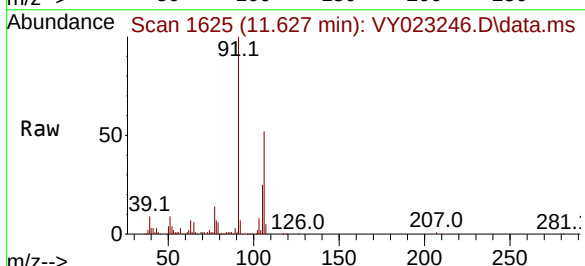
Acq: 29 Aug 2025 14:41

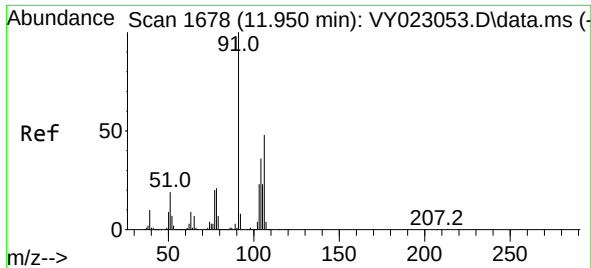
Tgt Ion:106 Resp: 46559

Ion Ratio Lower Upper

106 100

91 190.2 158.6 238.0

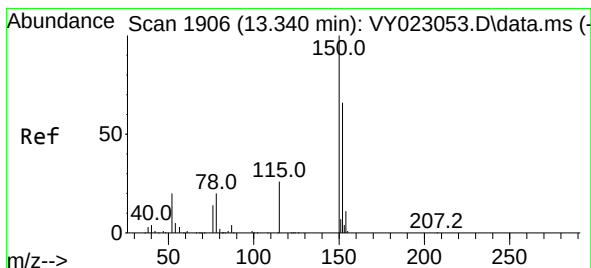
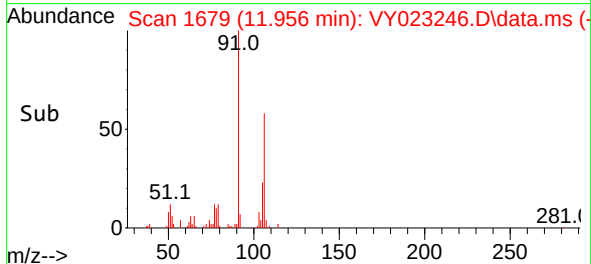
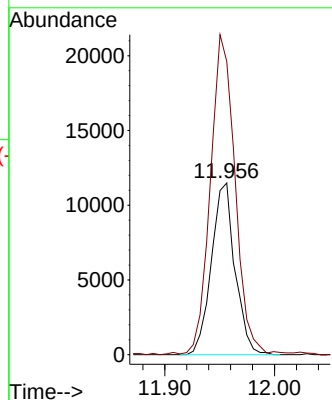
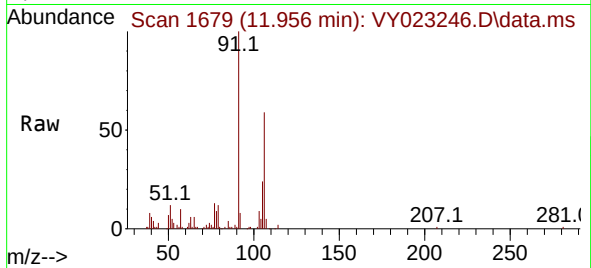




#69
o-Xylene
Concen: 1.507 ug/l
RT: 11.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

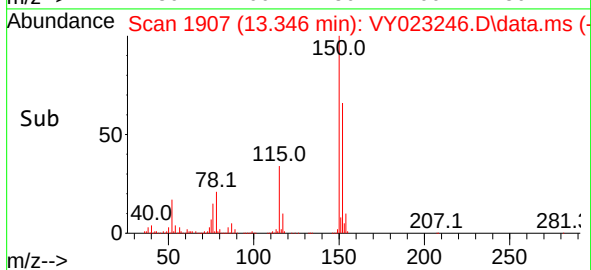
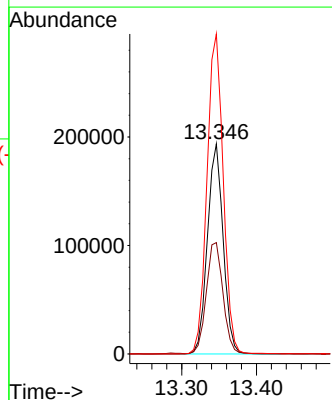
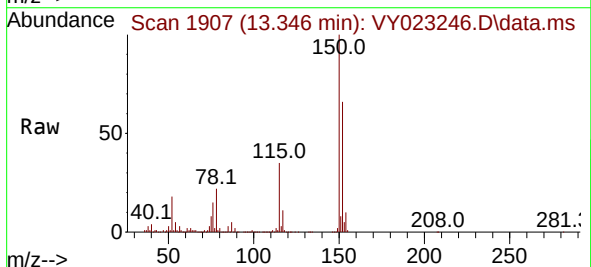
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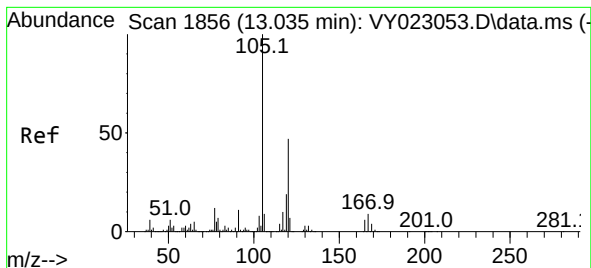
Tgt Ion:106 Resp: 17162
Ion Ratio Lower Upper
106 100
91 196.2 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023246.D
Acq: 29 Aug 2025 14:41

Tgt Ion:152 Resp: 282939
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.6
150 157.1 0.0 348.0





#84

1,2,4-Trimethylbenzene

Concen: 3.399 ug/l

RT: 13.042 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023246.D

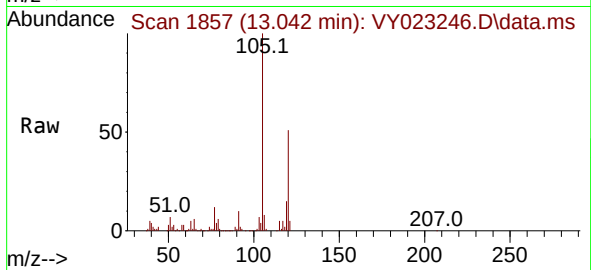
Acq: 29 Aug 2025 14:41

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0128



Tgt Ion:105 Resp: 54608

Ion Ratio Lower Upper

105 100

120 48.9 23.0 69.0

