

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023274.D
 Acq On : 03 Sep 2025 14:32
 Operator : SY/MD
 Sample : Q3009-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-090325

Quant Time: Sep 04 01:17:25 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	7.707	168	125700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	206492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	179104	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	69806	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66951	55.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.780%
35) Dibromofluoromethane	7.634	113	75700	61.267	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	122.540%
50) Toluene-d8	10.109	98	234544	48.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.408	95	64592	41.610	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.220%

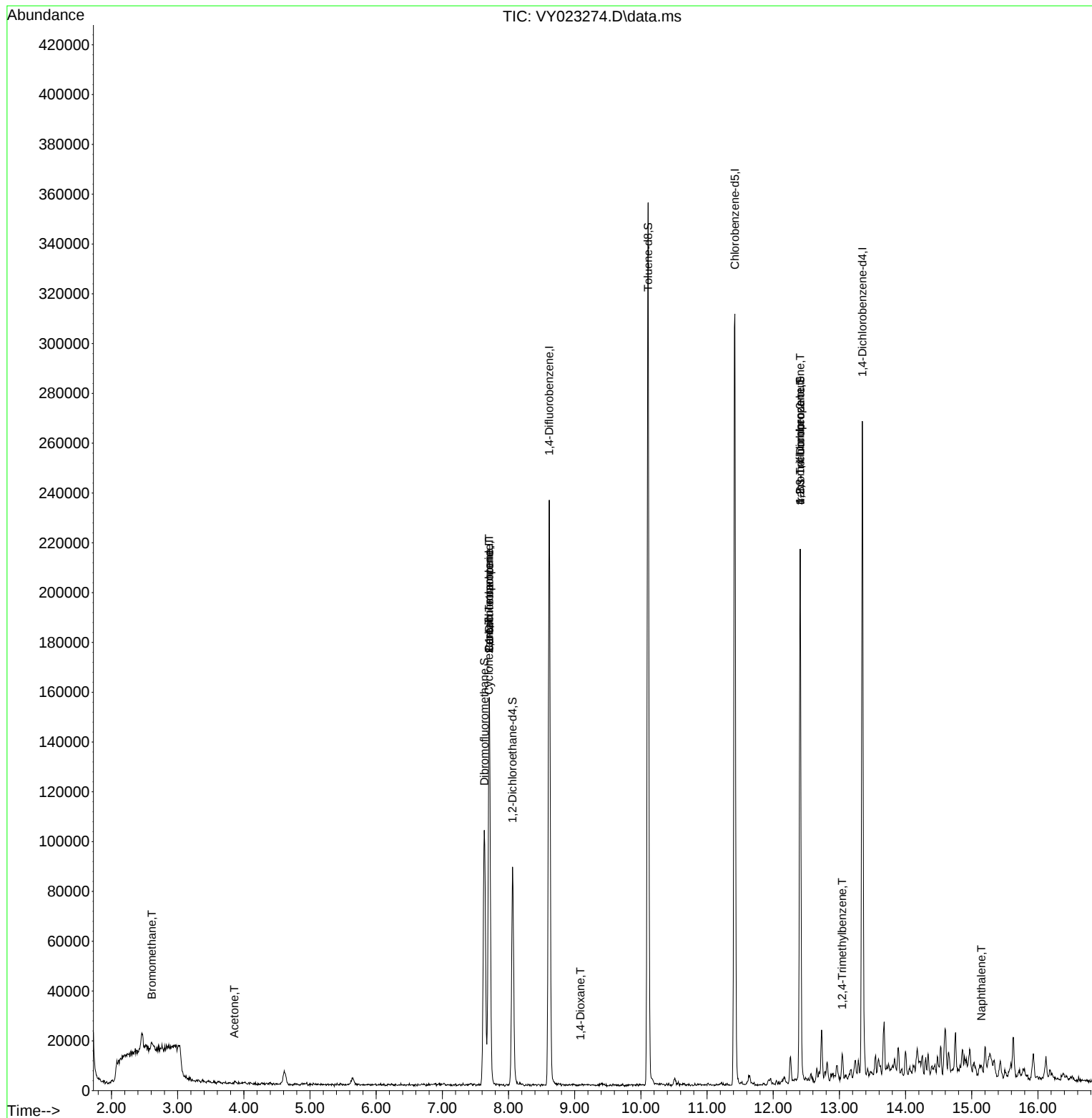
Target Compounds					Qvalue	
5) Bromomethane	2.611	94	2076	1.353	ug/l	98
16) Acetone	3.854	43	1456	5.610	ug/l #	78
31) Cyclohexane	7.701	56	2372	1.063	ug/l #	13
36) 1,1-Dichloropropene	7.707	75	9544	5.198	ug/l #	49
38) Carbon Tetrachloride	7.707	117	11794	5.914	ug/l #	18
49) 1,4-Dioxane	9.085	88	21	2.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	31704	47.059	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	31704	113.916	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.042	105	5407	1.364	ug/l	97
95) Naphthalene	15.145	128	2703	1.319	ug/l #	92

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

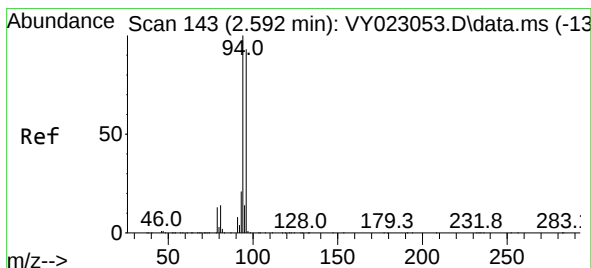
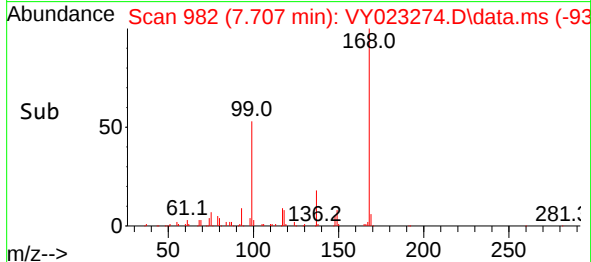
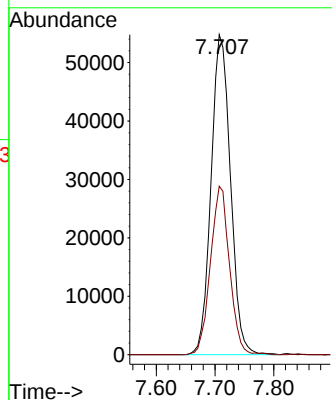
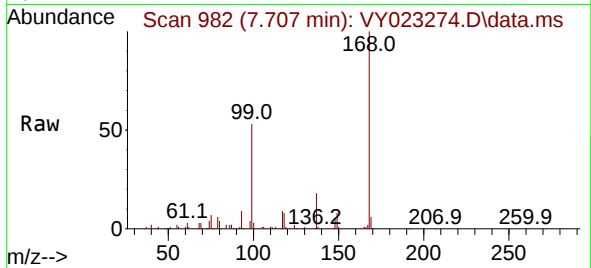




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

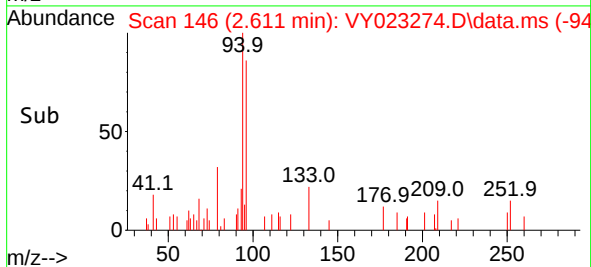
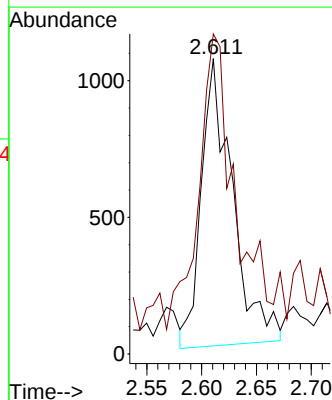
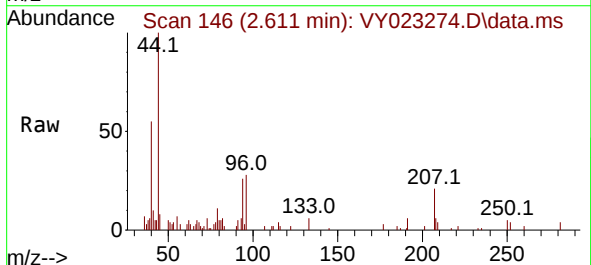
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325

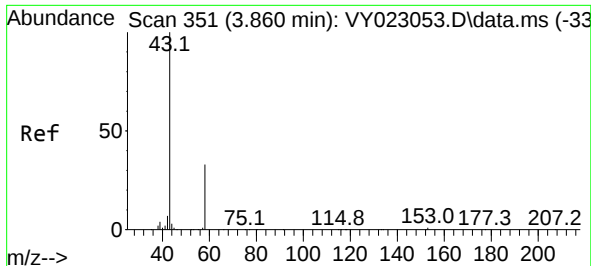
Tgt Ion:168 Resp: 125700
Ion Ratio Lower Upper
168 100
99 52.7 42.8 64.2



#5
Bromomethane
Concen: 1.353 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion: 94 Resp: 2076
Ion Ratio Lower Upper
94 100
96 91.1 74.6 112.0





#16

Acetone

Concen: 5.610 ug/l

RT: 3.854 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY023274.D

Acq: 03 Sep 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

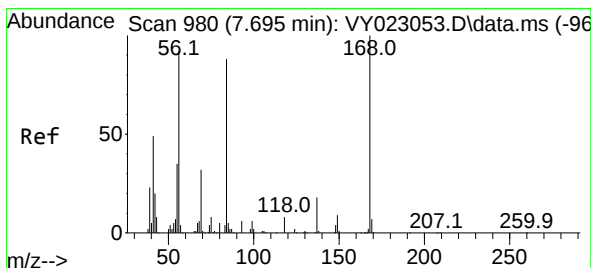
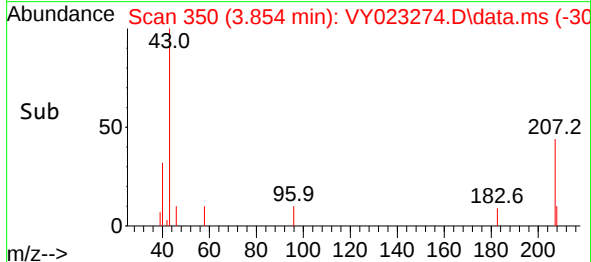
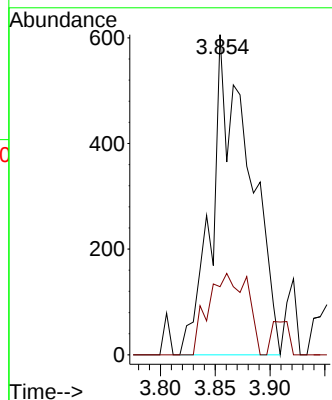
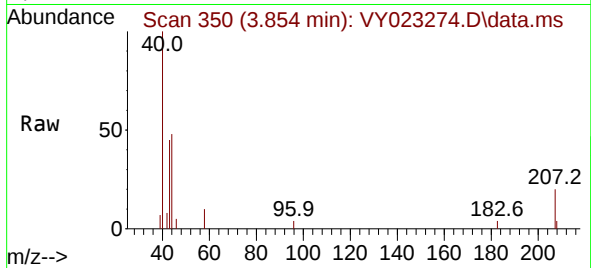
TR-04-090325

Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

43 100

58 21.3 27.1 40.7#



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023274.D

Acq: 03 Sep 2025 14:32

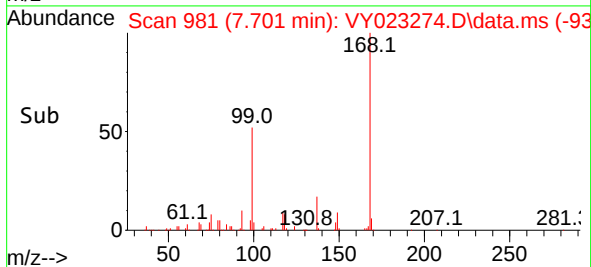
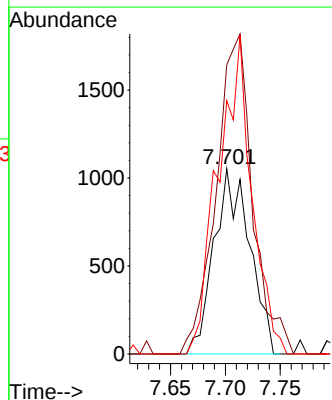
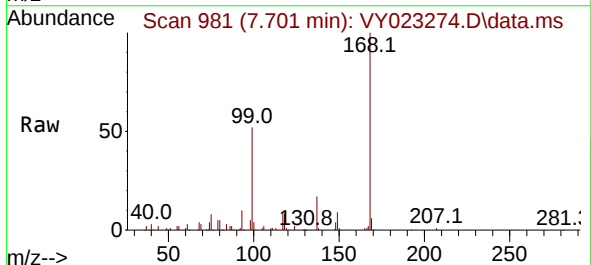
Tgt Ion: 56 Resp: 2372

Ion Ratio Lower Upper

56 100

69 156.2 28.2 42.2#

84 136.9 76.6 114.8#

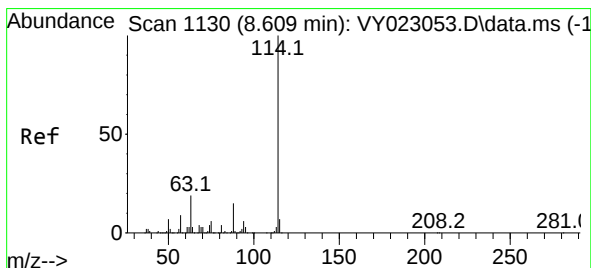
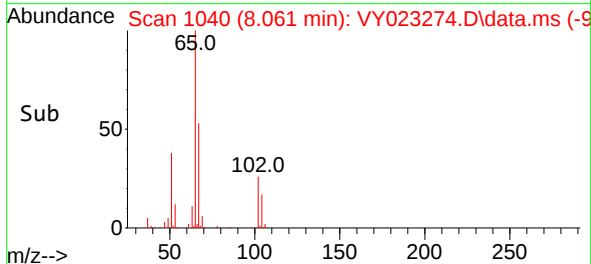
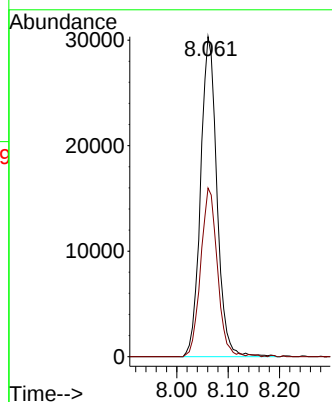
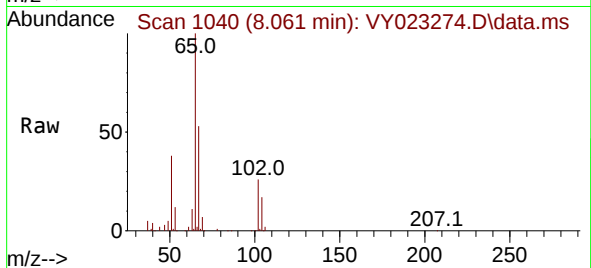




#33
 1,2-Dichloroethane-d4
 Concen: 55.885 ug/l
 RT: 8.061 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: VY023274.D
 Acq: 03 Sep 2025 14:32

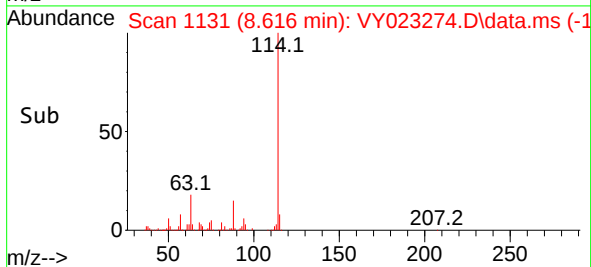
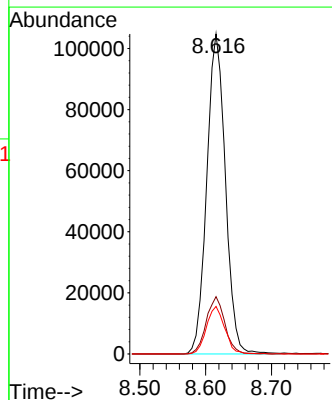
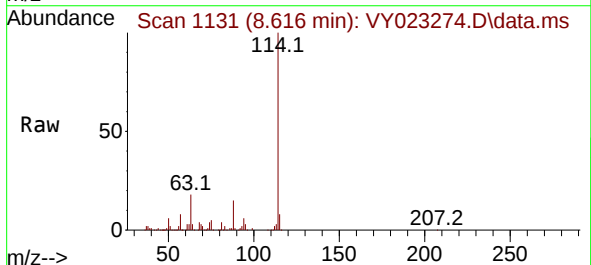
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-090325

Tgt Ion: 65 Resp: 66951
 Ion Ratio Lower Upper
 65 100
 67 53.6 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: VY023274.D
 Acq: 03 Sep 2025 14:32

Tgt Ion: 114 Resp: 206492
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.4
 88 14.8 0.0 30.0

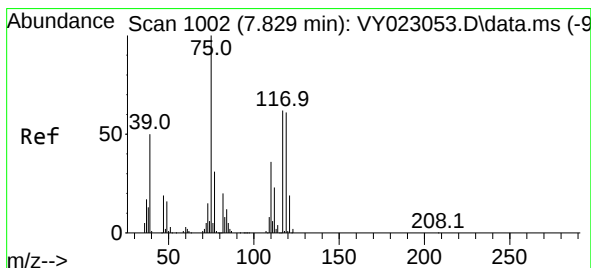
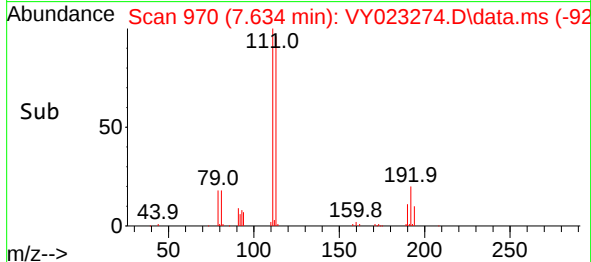
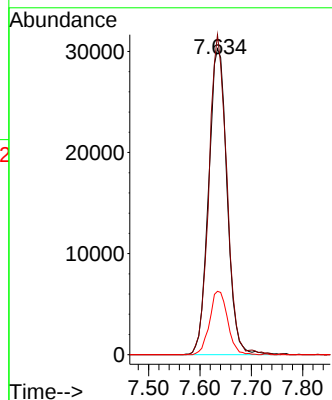
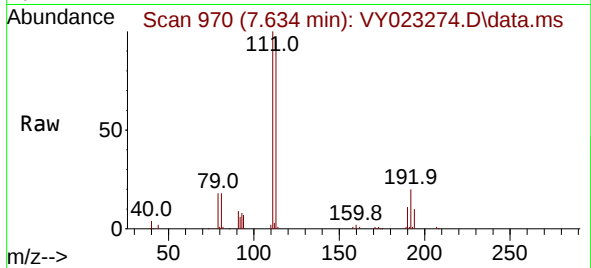




#35
Dibromofluoromethane
Concen: 61.267 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

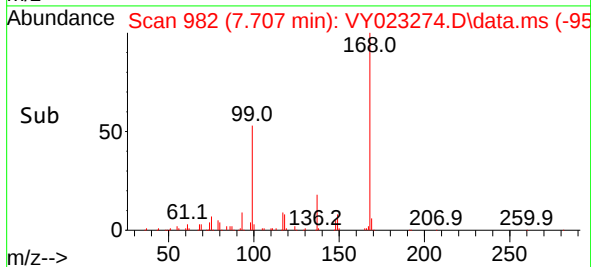
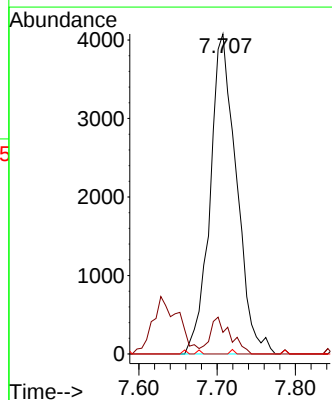
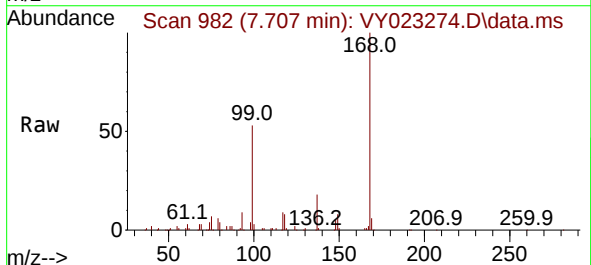
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325

Tgt Ion:113 Resp: 75700
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.198 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion: 75 Resp: 9544
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.2 24.6 37.0#

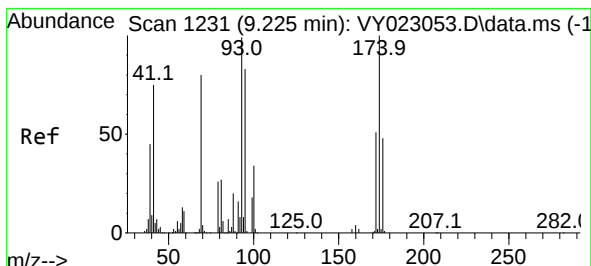
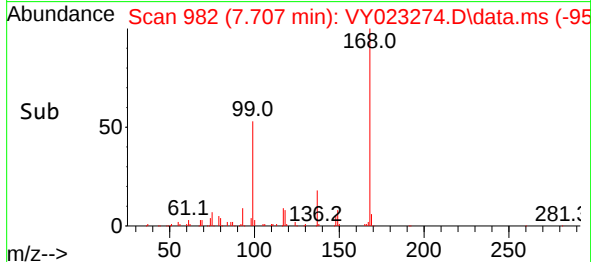
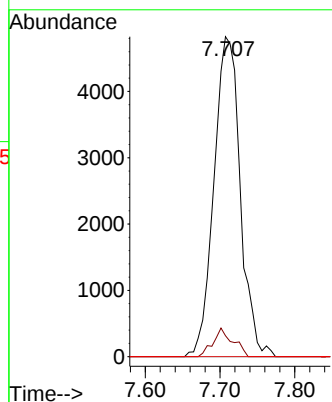
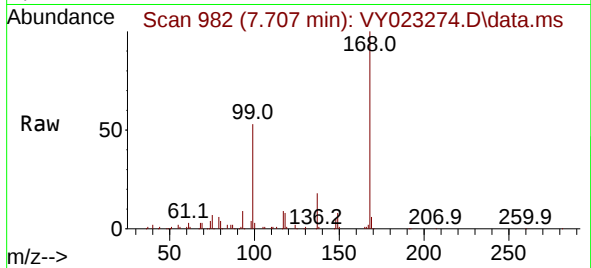




#38
Carbon Tetrachloride
Concen: 5.914 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

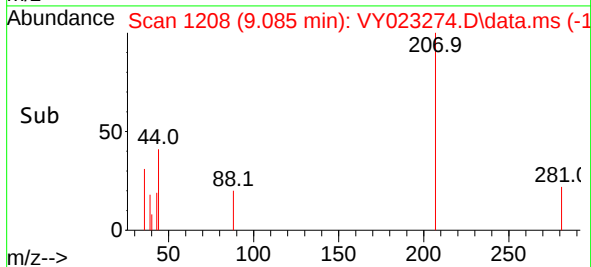
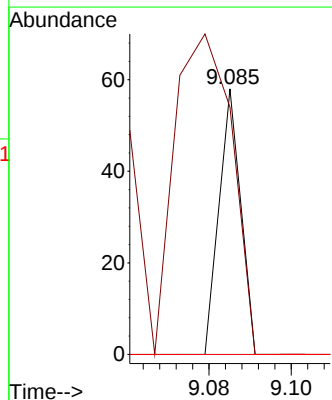
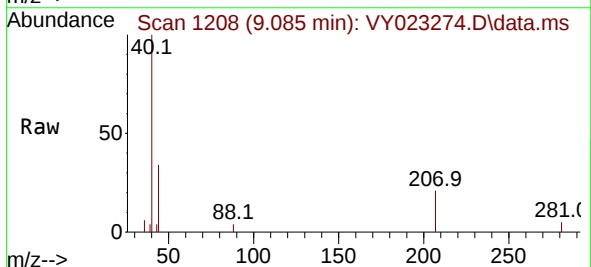
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325

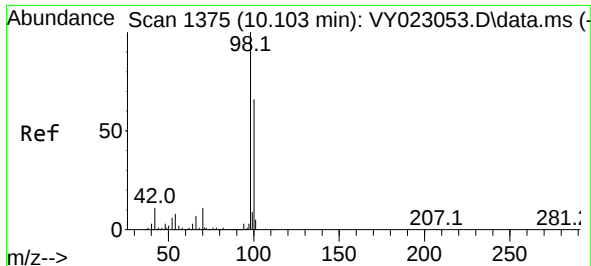
Tgt Ion:117 Resp: 11794
Ion Ratio Lower Upper
117 100
119 6.6 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 2.396 ug/l
RT: 9.085 min Scan# 1208
Delta R.T. -0.140 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 409.5 24.3 36.5#
58 0.0 55.4 83.0#

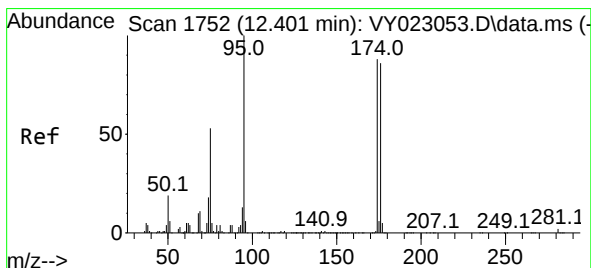
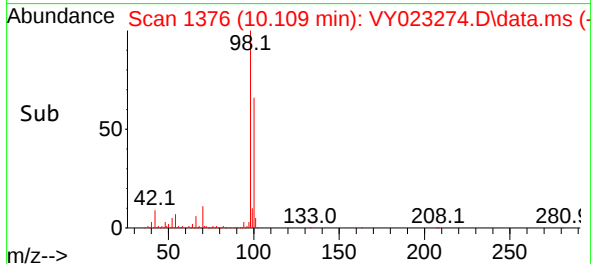
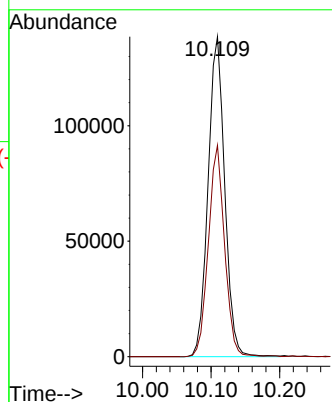
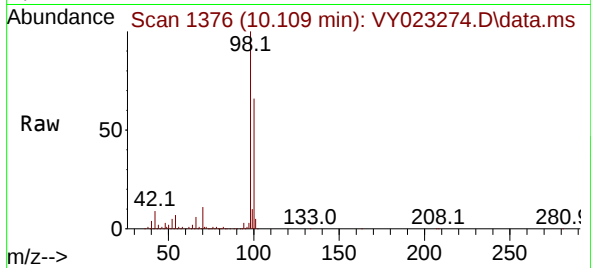




#50
Toluene-d8
Concen: 48.591 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

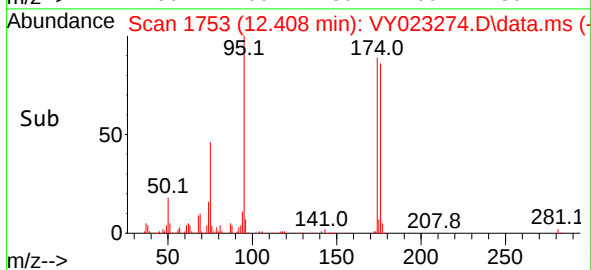
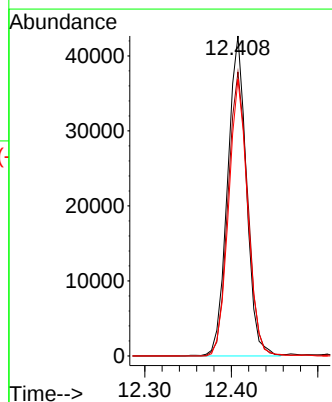
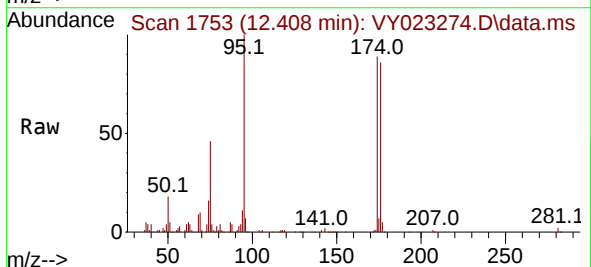
Instrument :
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ClientSampleId :
TR-04-090325

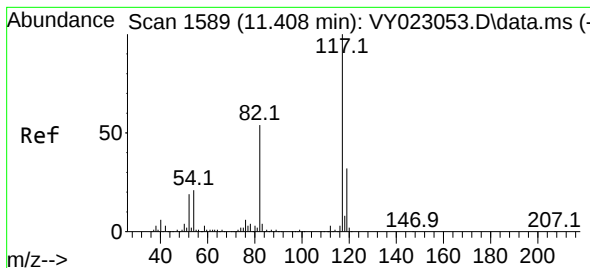
Tgt Ion: 98 Resp: 234544
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.610 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion: 95 Resp: 64592
Ion Ratio Lower Upper
95 100
174 92.5 0.0 171.6
176 87.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023274.D

Acq: 03 Sep 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-090325

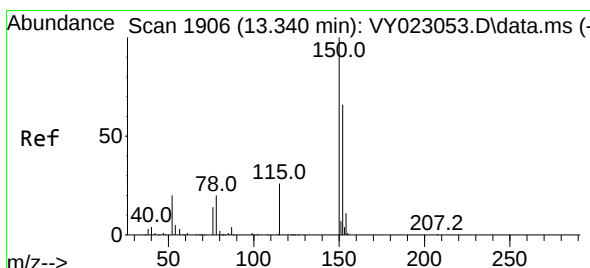
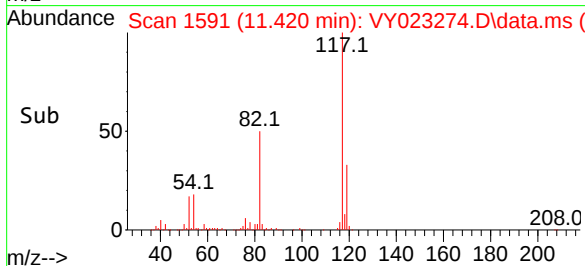
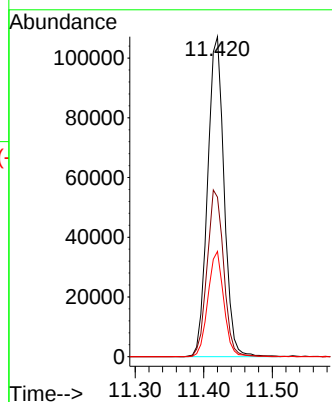
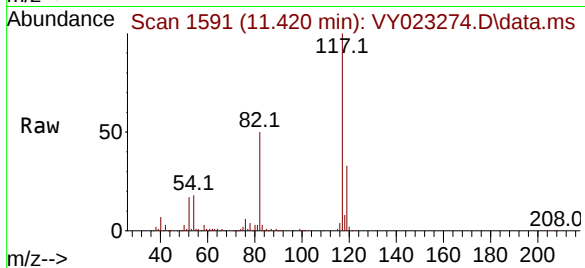
Tgt Ion:117 Resp: 179104

Ion Ratio Lower Upper

117 100

82 49.9 43.4 65.0

119 32.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023274.D

Acq: 03 Sep 2025 14:32

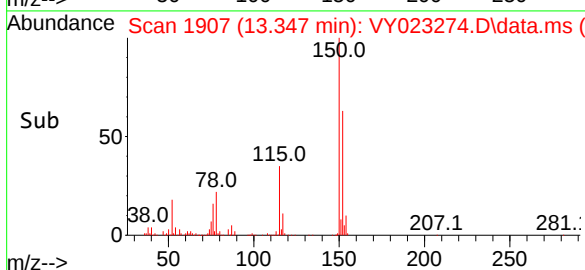
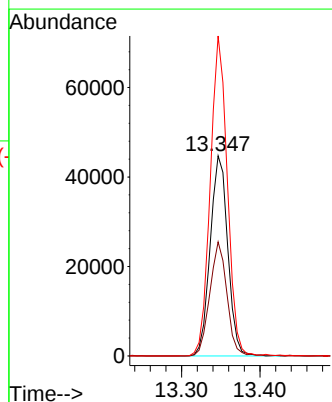
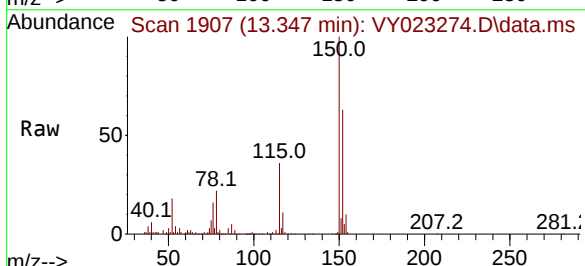
Tgt Ion:152 Resp: 69806

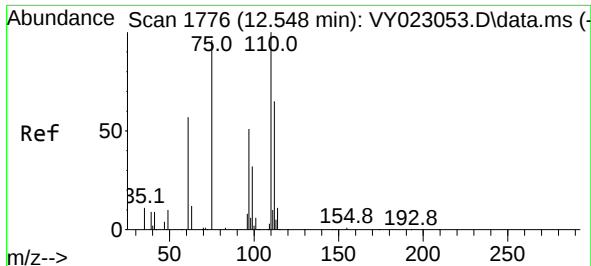
Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 154.5 0.0 348.0

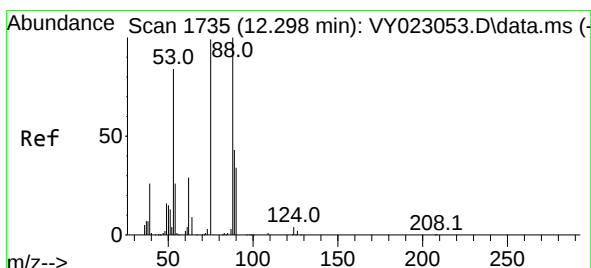
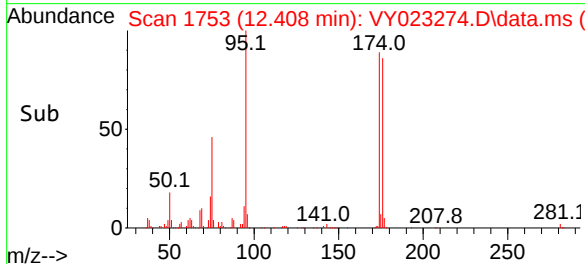
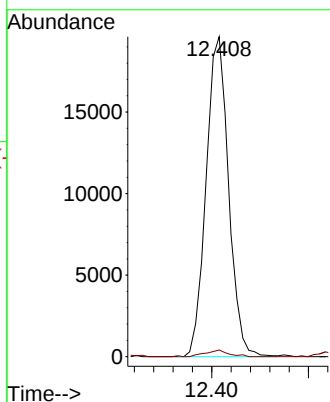
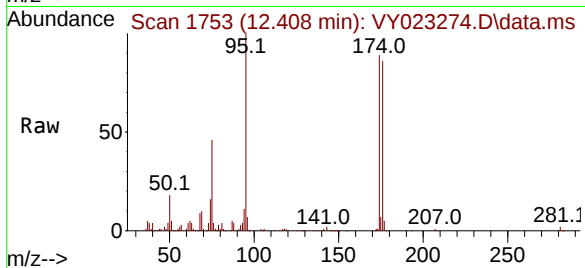




#76
1,2,3-Trichloropropane
Concen: 47.059 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.140 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

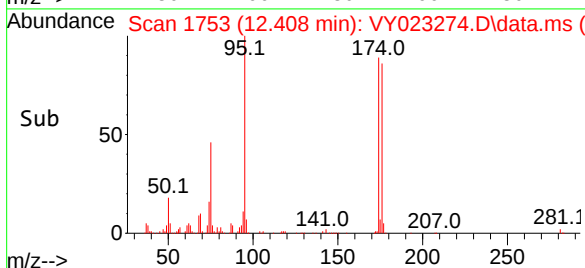
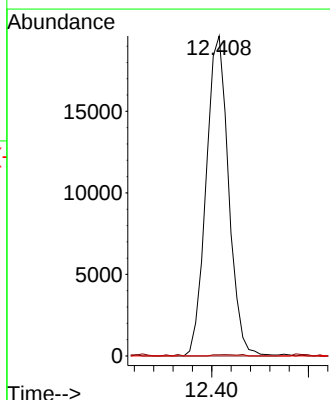
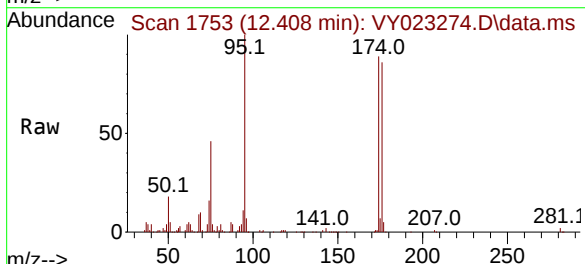
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325

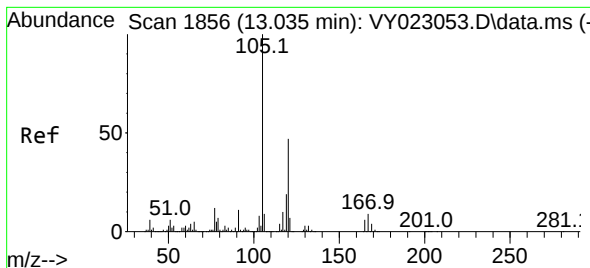
Tgt Ion: 75 Resp: 31704
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.916 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion: 75 Resp: 31704
Ion Ratio Lower Upper
75 100
53 0.0 70.8 106.2#
89 0.0 38.1 57.1#





#84

1,2,4-Trimethylbenzene

Concen: 1.364 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023274.D

Acq: 03 Sep 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

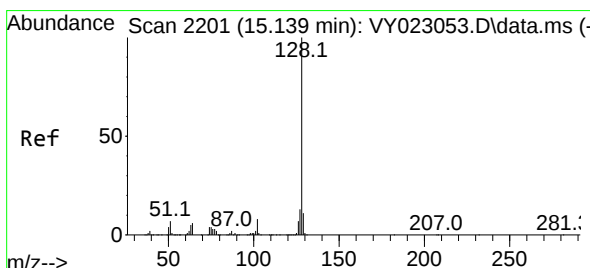
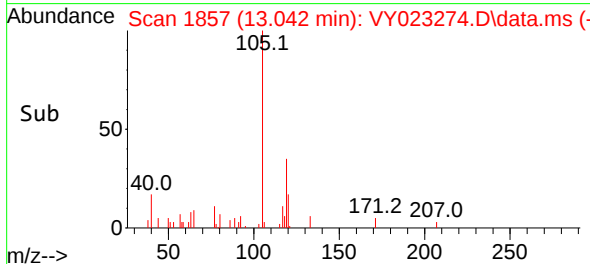
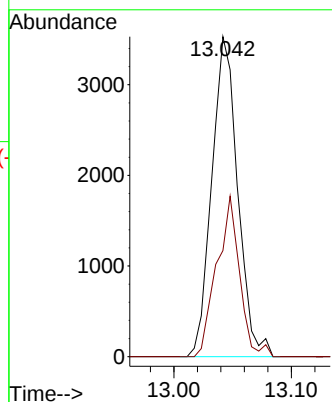
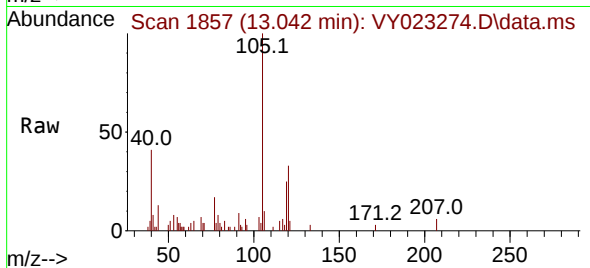
TR-04-090325

Tgt Ion:105 Resp: 5407

Ion Ratio Lower Upper

105 100

120 44.3 23.0 69.0



#95

Naphthalene

Concen: 1.319 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY023274.D

Acq: 03 Sep 2025 14:32

Tgt Ion:128 Resp: 2703

Ion Ratio Lower Upper

128 100

127 16.2 10.4 15.6#

129 14.2 9.0 13.4#

