

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023346.D
 Acq On : 11 Sep 2025 13:44
 Operator : SY/MD
 Sample : Q3080-01
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-091125

Quant Time: Sep 12 01:27:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

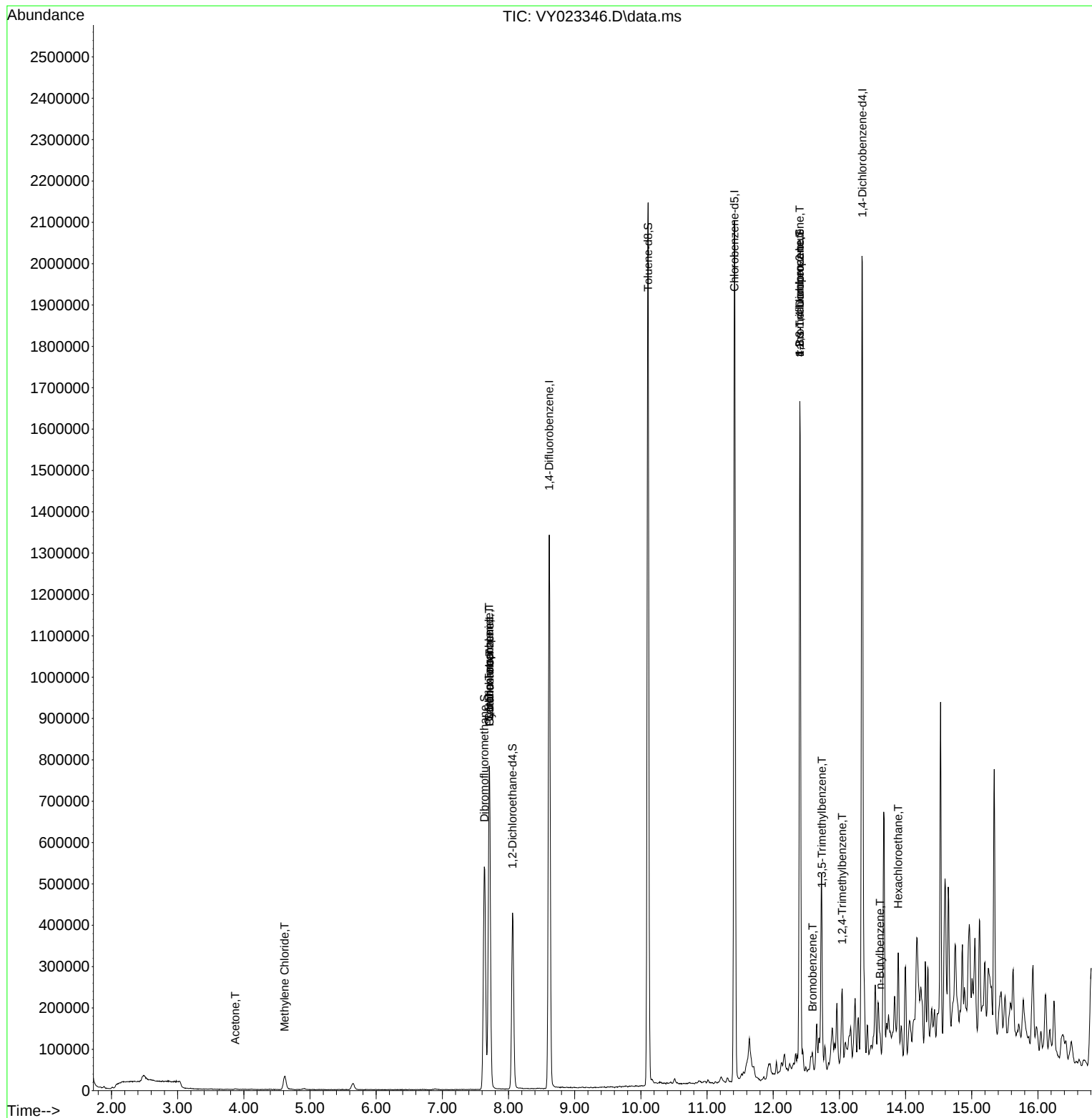
Internal Standards						
1) Pentafluorobenzene	7.713	168	647863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1205698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1169171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	525232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	331950	58.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.620%	
35) Dibromofluoromethane	7.634	113	388675	52.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.109	98	1448963	52.066	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.140%	
62) 4-Bromofluorobenzene	12.401	95	490531	56.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.020%	
Target Compounds						Qvalue
16) Acetone	3.873	43	2117	1.633	ug/l #	88
20) Methylene Chloride	4.616	84	26231	3.781	ug/l	92
31) Cyclohexane	7.713	56	11178	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43223	4.118	ug/l #	49
38) Carbon Tetrachloride	7.707	117	60720	5.027	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	240805	45.273	ug/l #	100
77) Bromobenzene	12.597	156	9400	1.040	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.737	105	41126	1.429	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.401	75	240805	123.464	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.042	105	93173	3.273	ug/l	99
89) n-Butylbenzene	13.615	91	37656	1.326	ug/l #	66
90) Hexachloroethane	13.889	117	8730	1.257	ug/l #	13

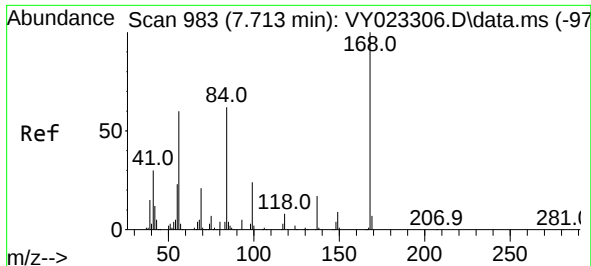
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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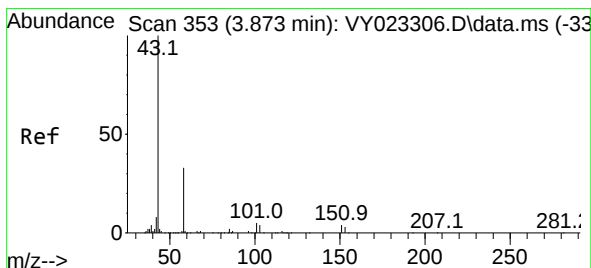
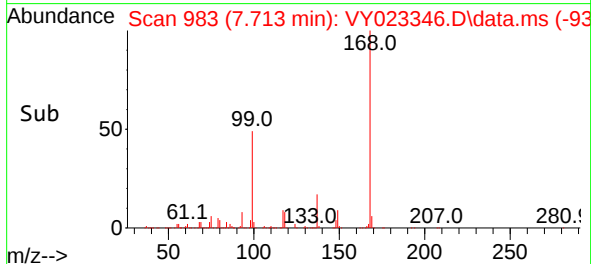
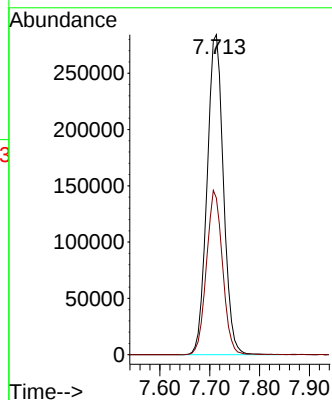
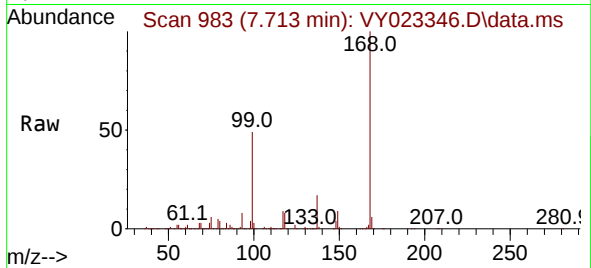




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

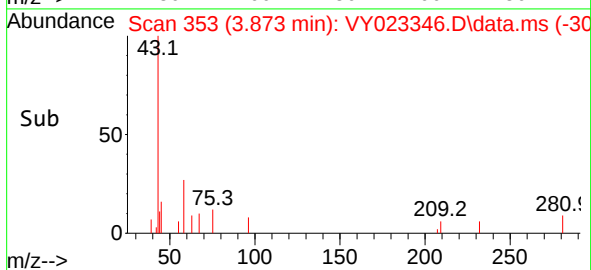
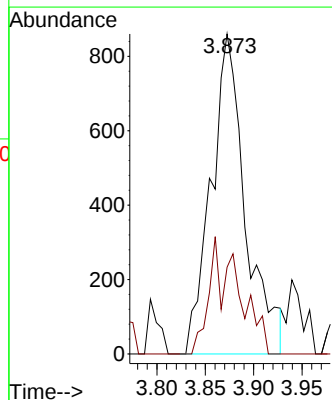
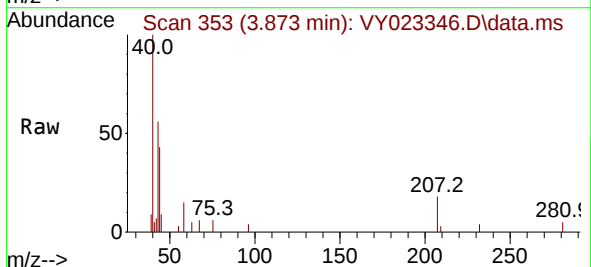
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091125

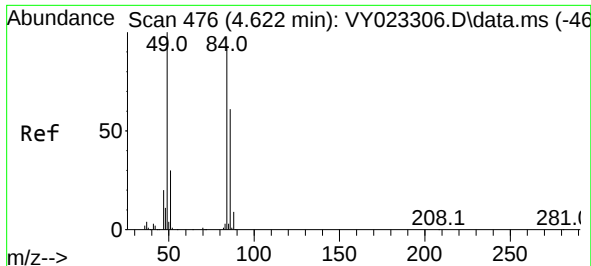
Tgt Ion:168 Resp: 647863
Ion Ratio Lower Upper
168 100
99 48.9 42.8 64.2



#16
Acetone
Concen: 1.633 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
58 27.1 27.1 40.7#





#20

Methylene Chloride

Concen: 3.781 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091125

Tgt Ion: 84 Resp: 26231

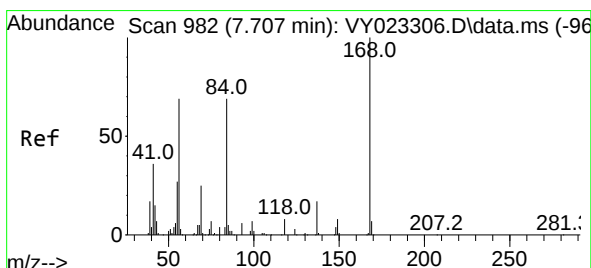
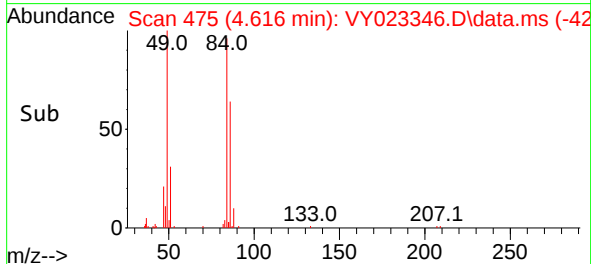
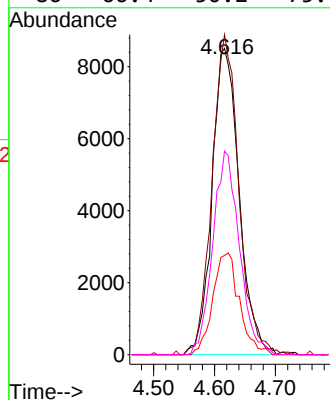
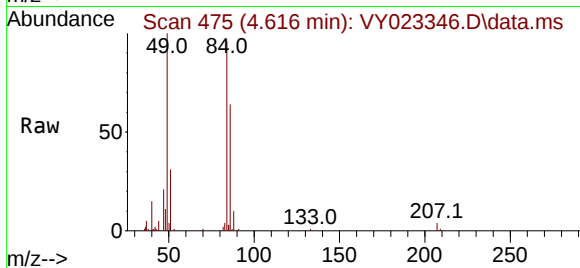
Ion Ratio Lower Upper

84 100

49 104.4 93.0 139.6

51 32.4 29.0 43.4

86 66.4 50.2 75.4



#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.018 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

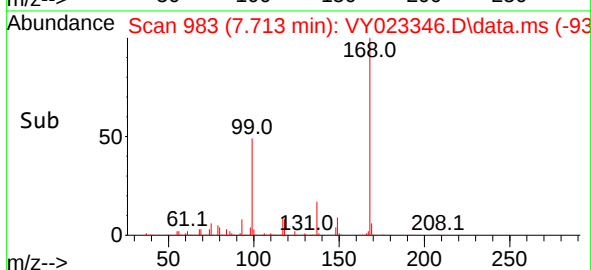
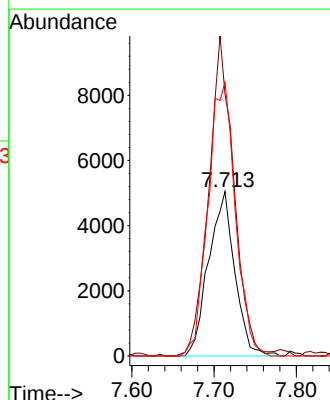
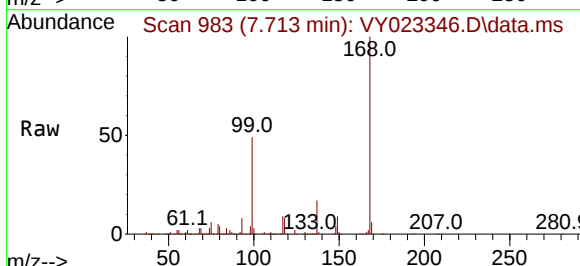
Tgt Ion: 56 Resp: 11178

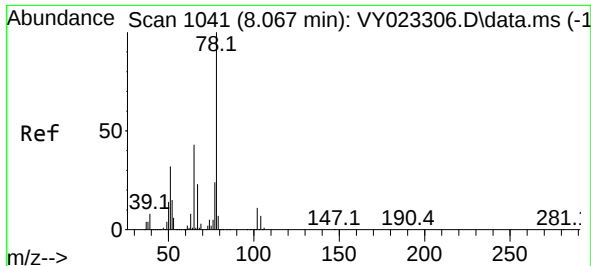
Ion Ratio Lower Upper

56 100

69 158.0 28.2 42.2#

84 166.4 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.310 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

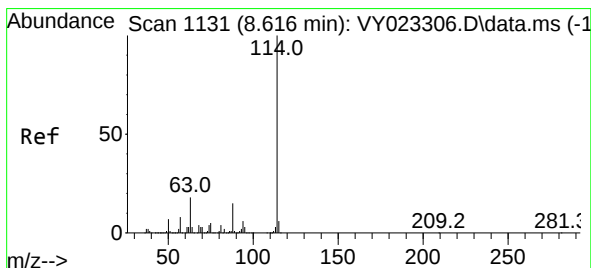
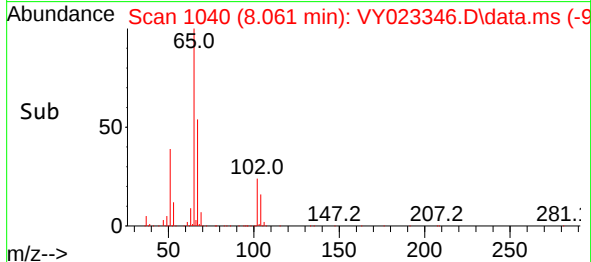
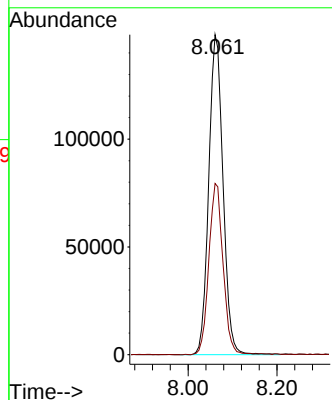
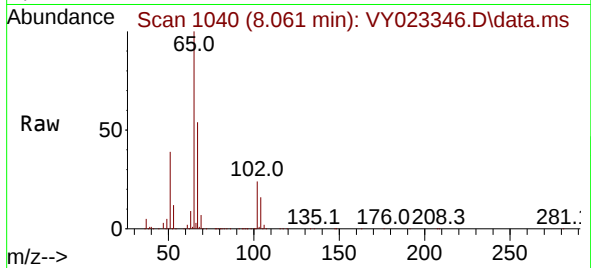
EO-03-091125

Tgt Ion: 65 Resp: 331950

Ion Ratio Lower Upper

65 100

67 53.3 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: VY023346.D

Acq: 11 Sep 2025 13:44

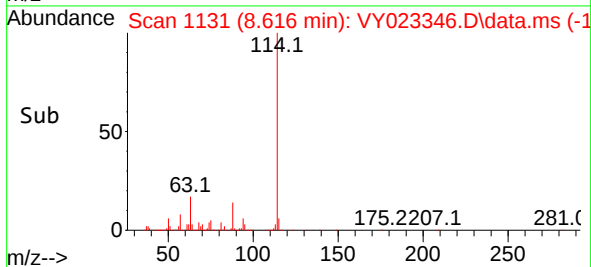
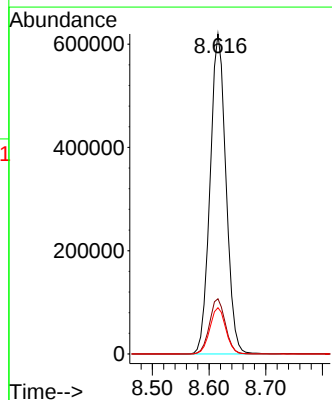
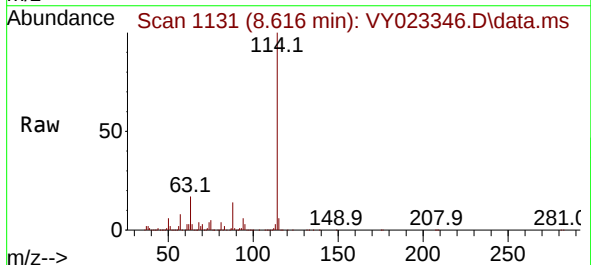
Tgt Ion:114 Resp: 1205698

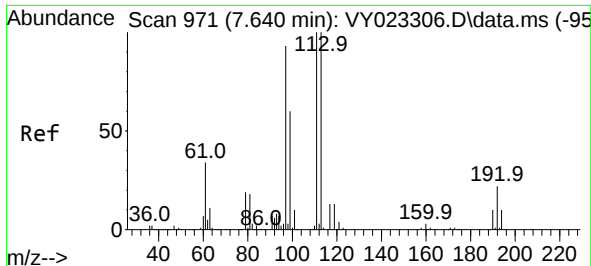
Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.4

88 14.5 0.0 30.0

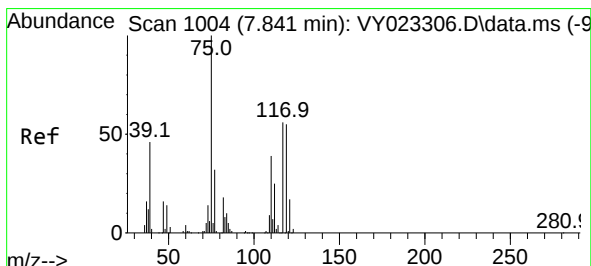
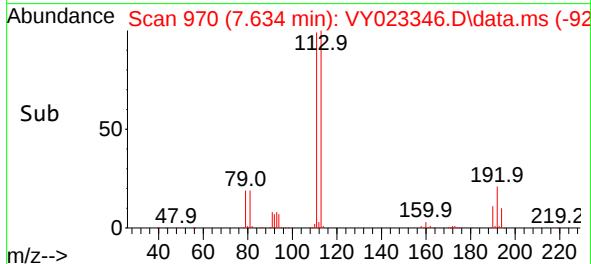
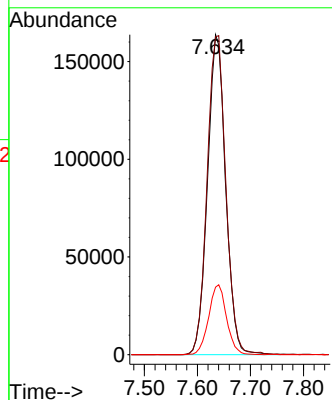
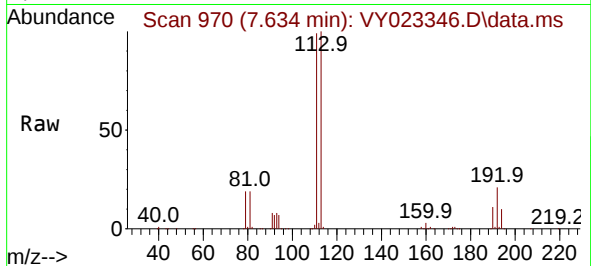




#35
Dibromofluoromethane
Concen: 52.737 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

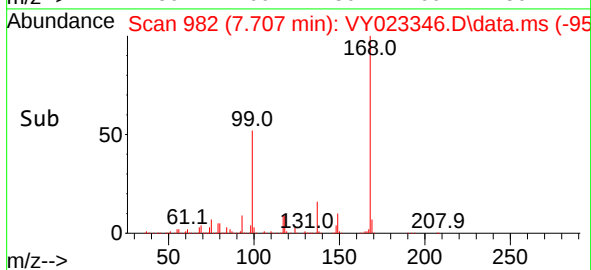
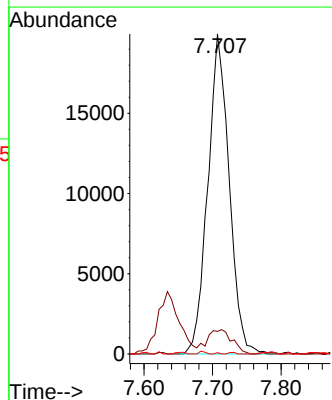
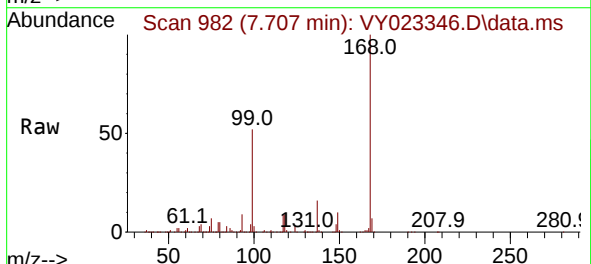
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091125

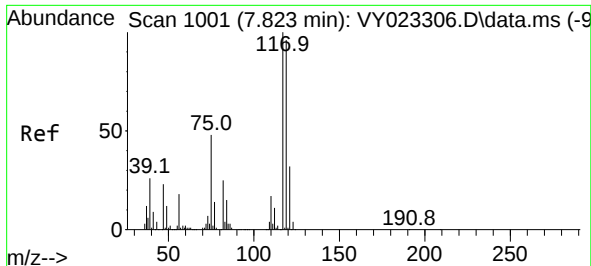
Tgt Ion:113 Resp: 388675
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 21.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 75 Resp: 43223
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.1 24.6 37.0#

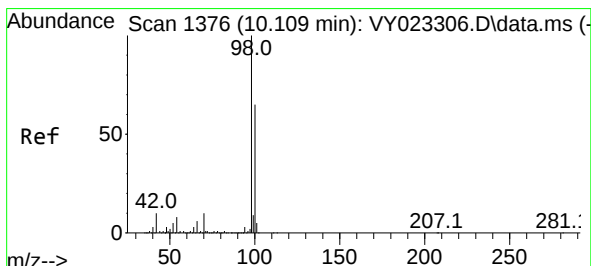
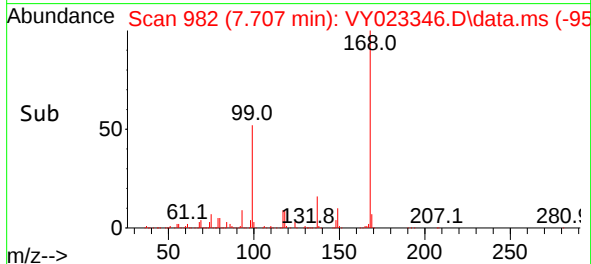
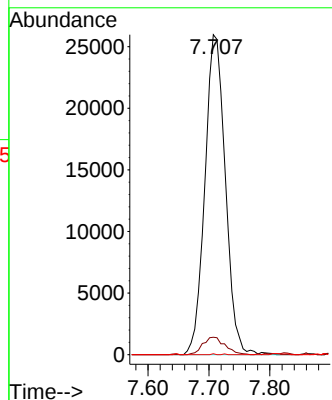
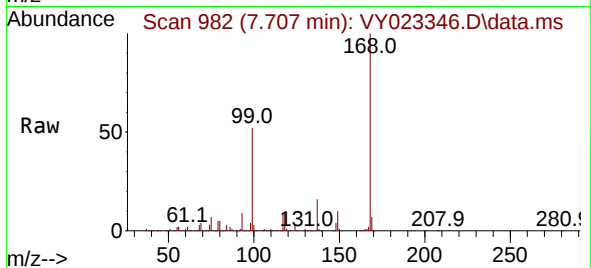




#38
Carbon Tetrachloride
Concen: 5.027 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

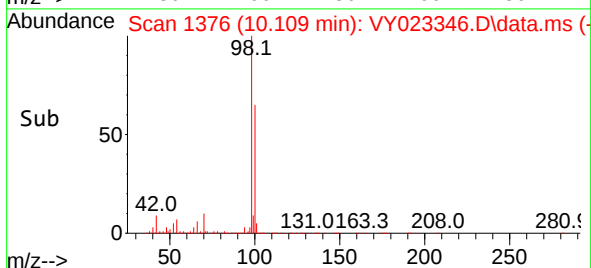
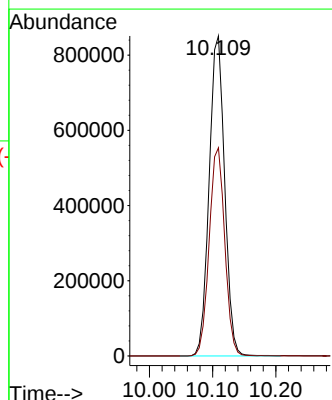
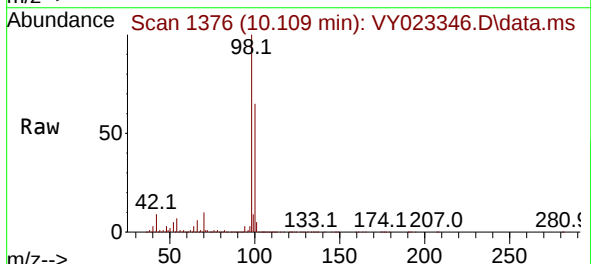
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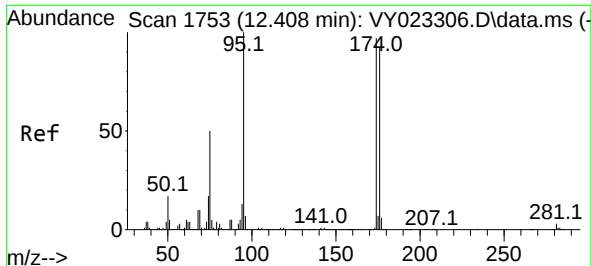
Tgt Ion:117 Resp: 60720
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.3 25.8 38.8#



#50
Toluene-d8
Concen: 52.066 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 98 Resp: 1448963
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

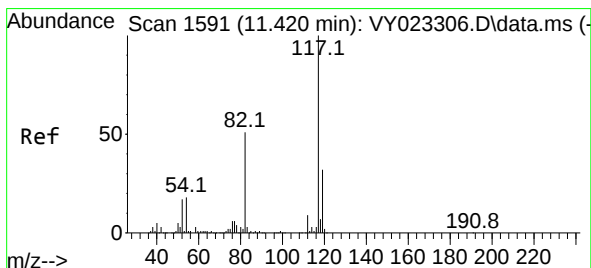
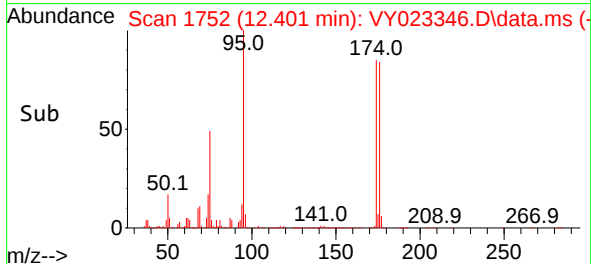
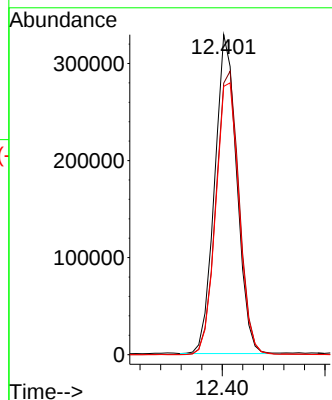
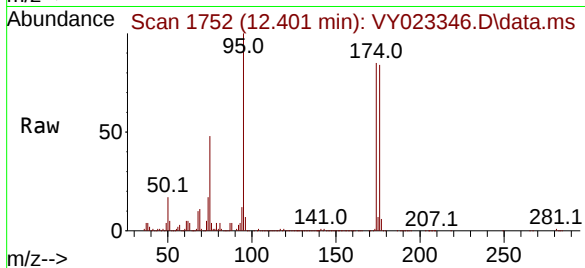




#62
4-Bromofluorobenzene
Concen: 56.010 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

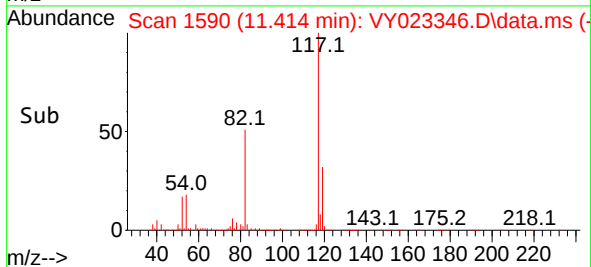
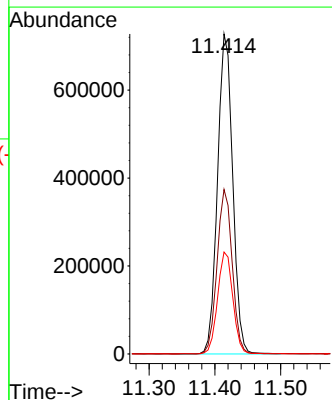
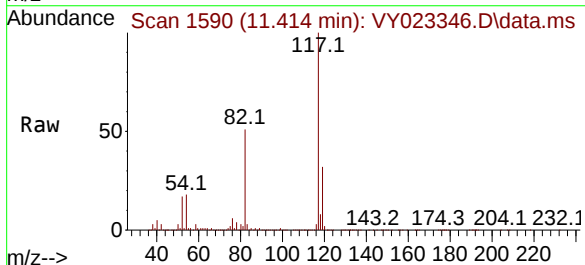
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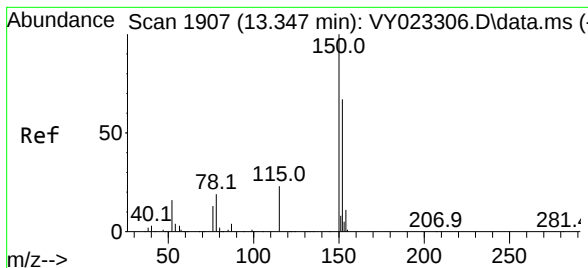
Tgt Ion: 95 Resp: 490531
Ion Ratio Lower Upper
95 100
174 93.2 0.0 171.6
176 90.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 117 Resp: 1169171
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091125

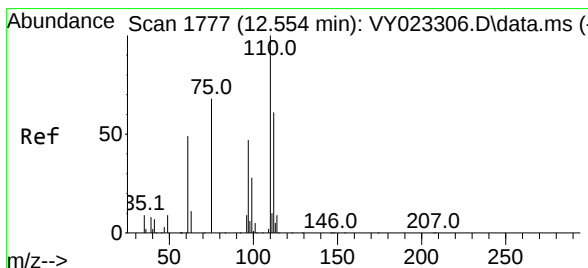
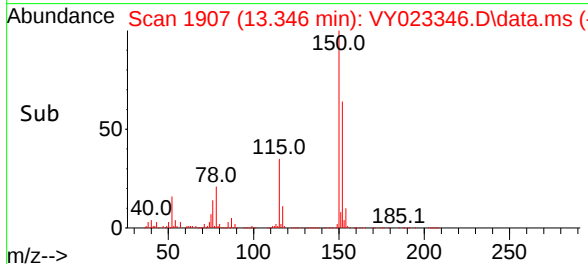
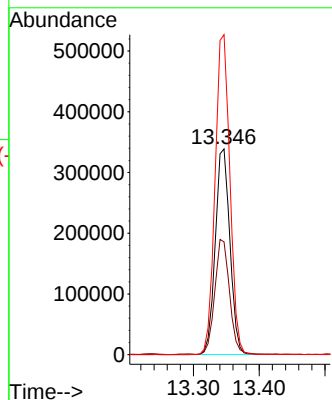
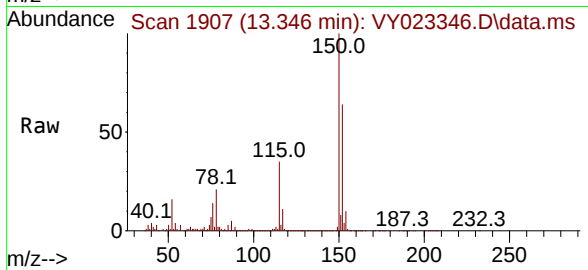
Tgt Ion:152 Resp: 525232

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 157.5 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 45.273 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023346.D

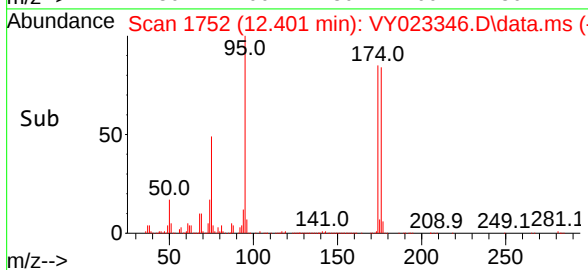
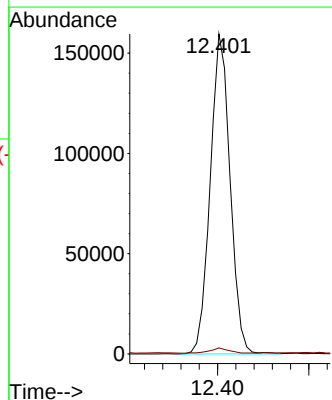
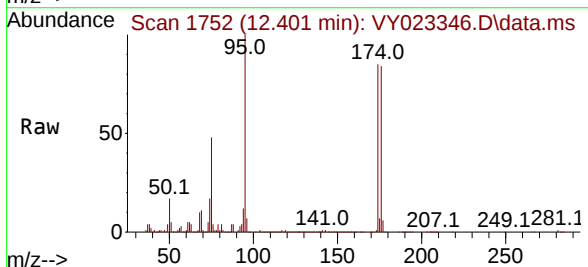
Acq: 11 Sep 2025 13:44

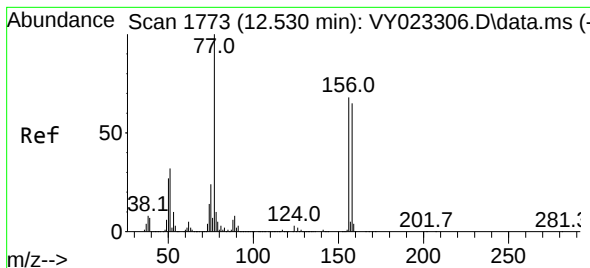
Tgt Ion: 75 Resp: 240805

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#77

Bromobenzene

Concen: 1.040 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.073 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091125

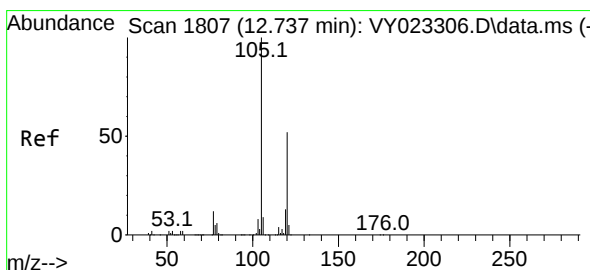
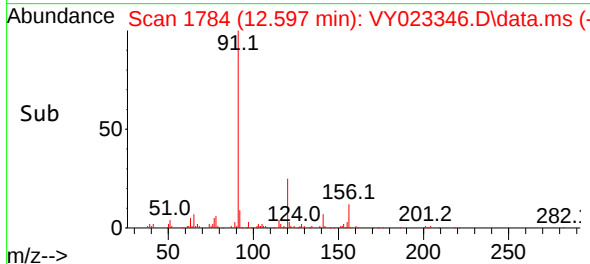
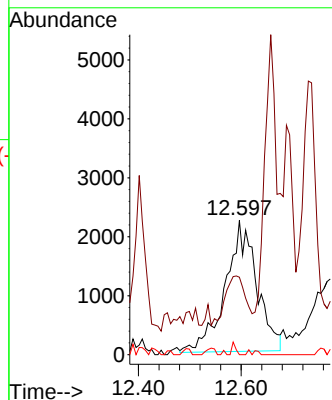
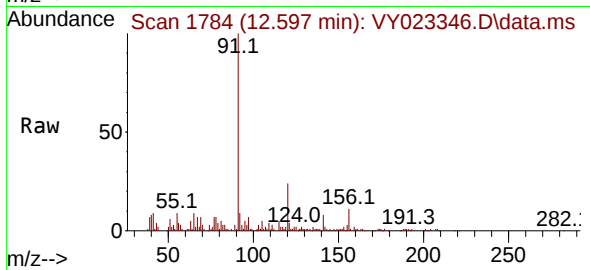
Tgt Ion:156 Resp: 9400

Ion Ratio Lower Upper

156 100

77 24.9 88.1 264.4#

158 1.4 48.0 144.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.429 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023346.D

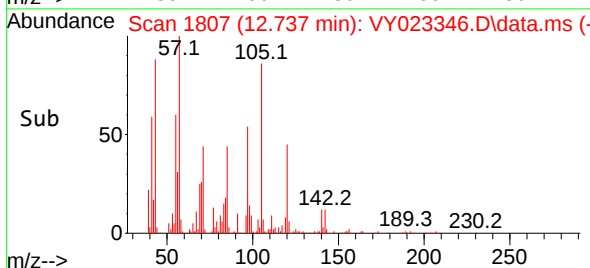
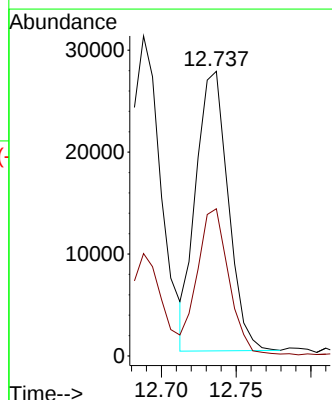
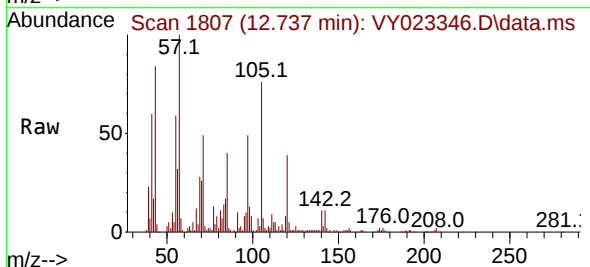
Acq: 11 Sep 2025 13:44

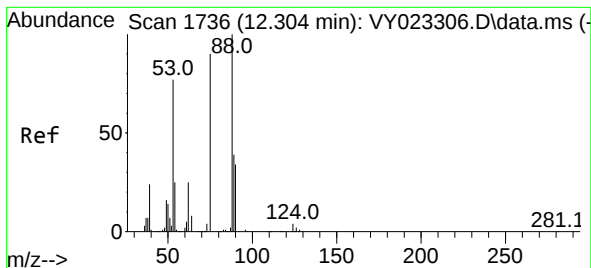
Tgt Ion:105 Resp: 41126

Ion Ratio Lower Upper

105 100

120 51.3 24.8 74.4

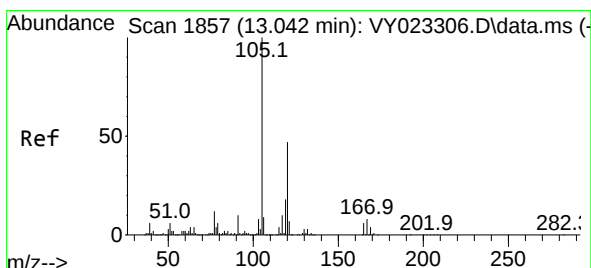
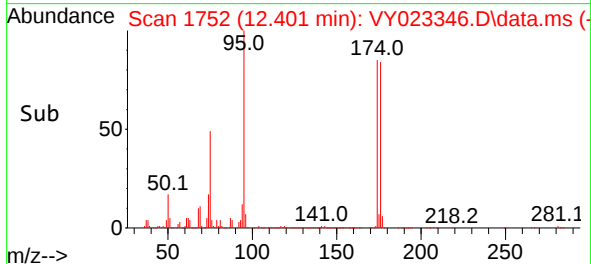
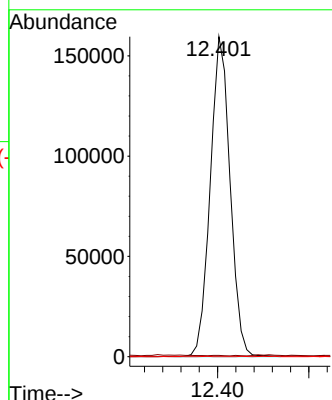
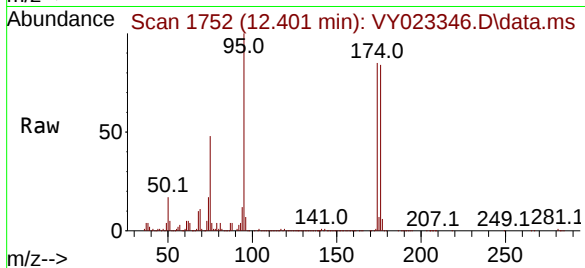




#81
trans-1,4-Dichloro-2-butene
Concen: 123.464 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

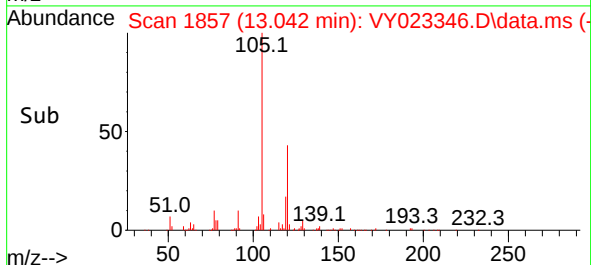
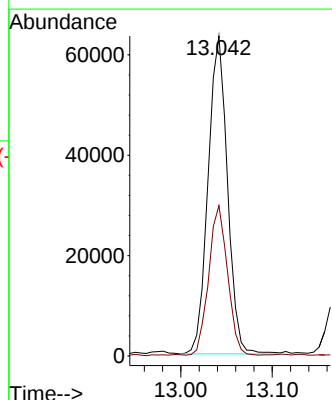
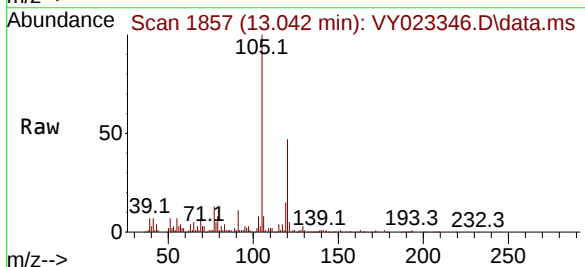
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091125

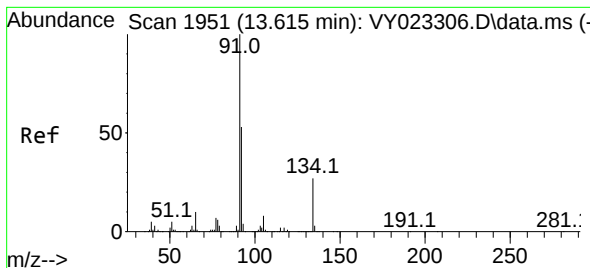
Tgt Ion: 75 Resp: 240805
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.273 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 105 Resp: 93173
Ion Ratio Lower Upper
105 100
120 45.6 23.0 69.0





#89

n-Butylbenzene

Concen: 1.326 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091125

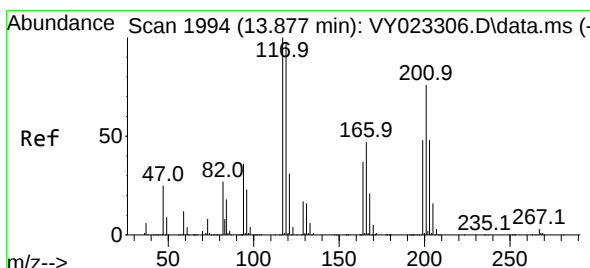
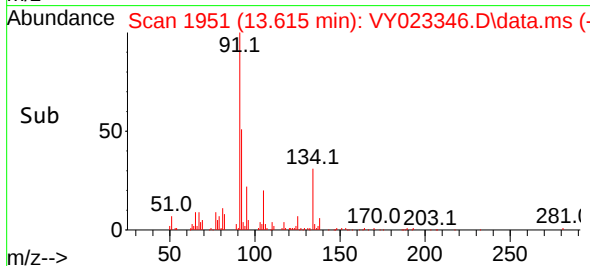
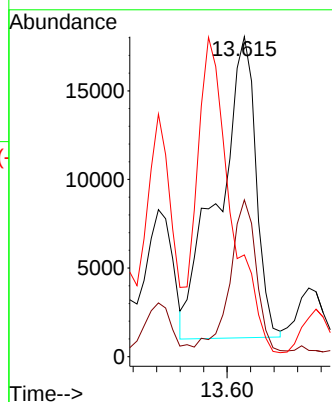
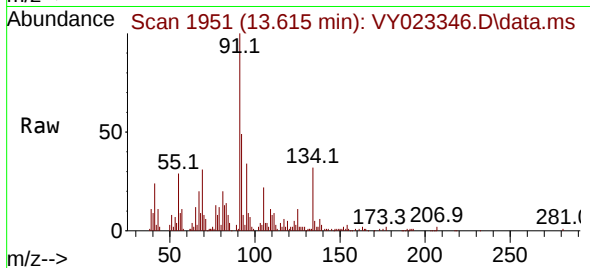
Tgt Ion: 91 Resp: 37656

Ion Ratio Lower Upper

91 100

92 35.3 26.9 80.7

134 0.0 13.2 39.5#



#90

Hexachloroethane

Concen: 1.257 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. 0.018 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Tgt Ion: 117 Resp: 8730

Ion Ratio Lower Upper

117 100

201 1.8 38.4 115.1#

