

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021846.D
 Acq On : 10 Apr 2025 18:21
 Operator : SY/MD
 Sample : Q1771-11
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3A-VOC

Quant Time: Apr 11 01:52:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

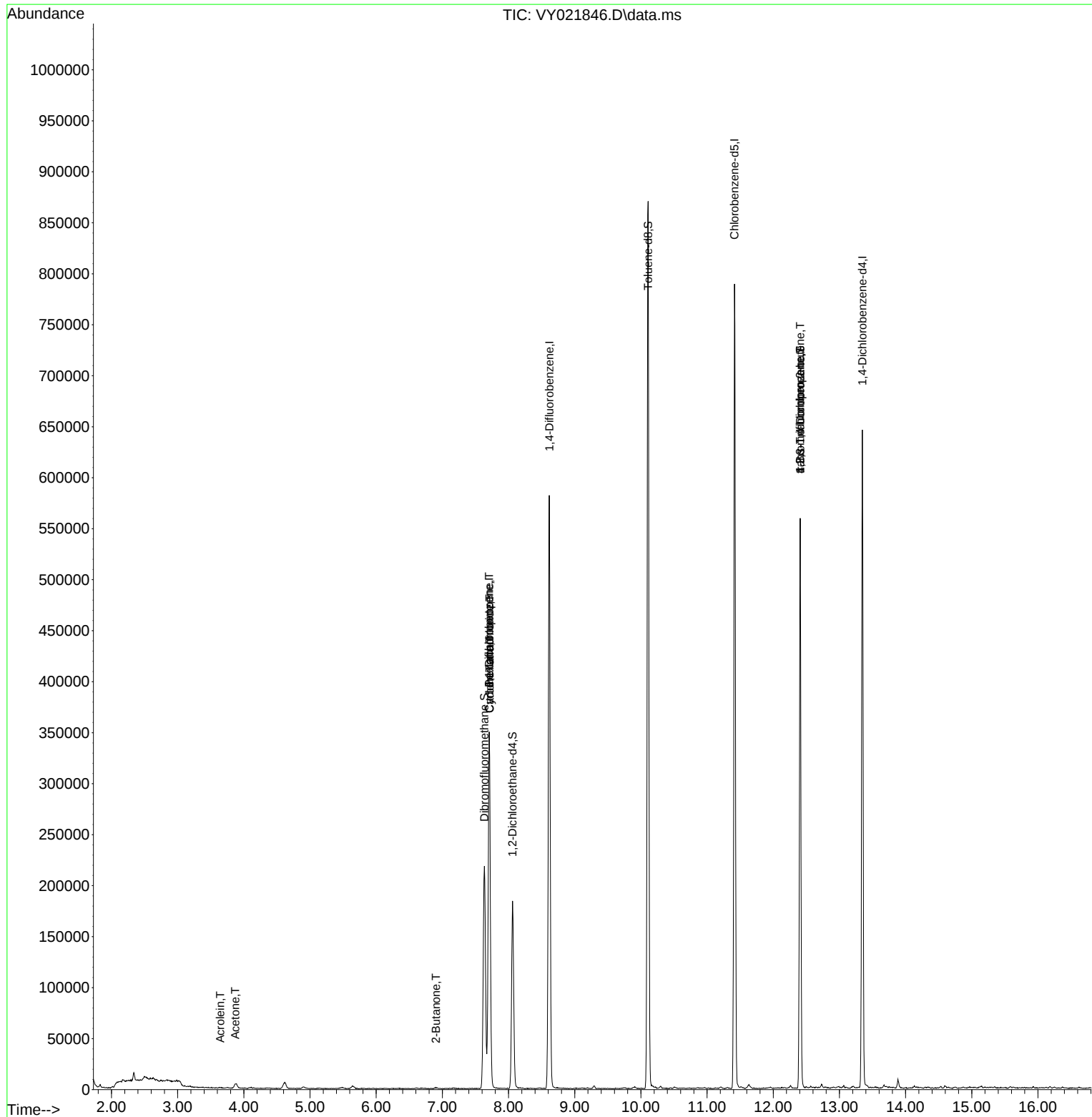
Internal Standards						
1) Pentafluorobenzene	7.707	168	259410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	472280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142975	50.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.740%	
35) Dibromofluoromethane	7.634	113	153392	50.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.140%	
50) Toluene-d8	10.109	98	563742	48.370	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.740%	
62) 4-Bromofluorobenzene	12.408	95	163071	41.365	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.740%	
Target Compounds						Qvalue
13) Acrolein	3.641	56	429	1.287	ug/l	98
16) Acetone	3.873	43	8782	15.267	ug/l	98
20) Methylene Chloride	4.610	84	4175	Below Cal	#	84
25) 2-Butanone	6.902	43	1574	1.916	ug/l #	81
31) Cyclohexane	7.713	56	6067	1.223	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	21186	4.540	ug/l #	50
38) Carbon Tetrachloride	7.713	117	26865	5.027	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	86270	55.686	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	86270	128.309	ug/l #	12

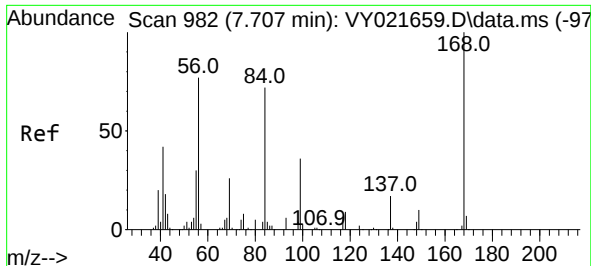
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

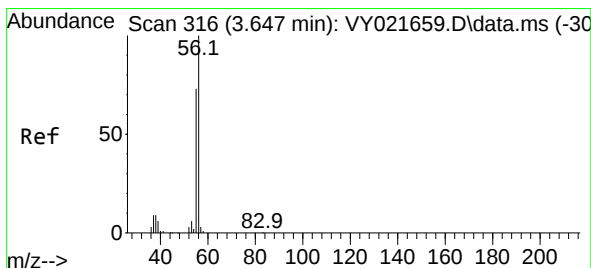
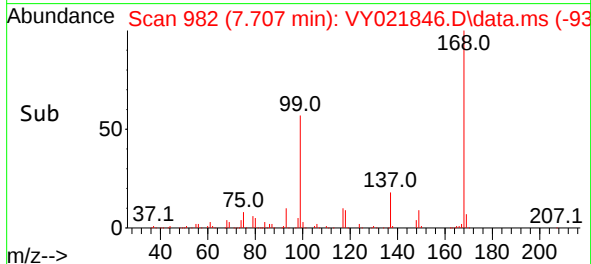
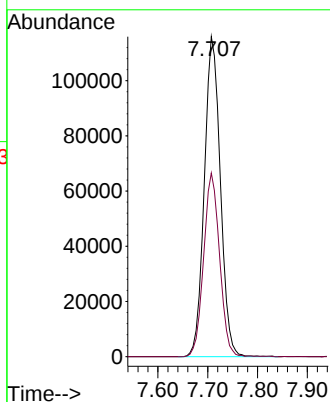
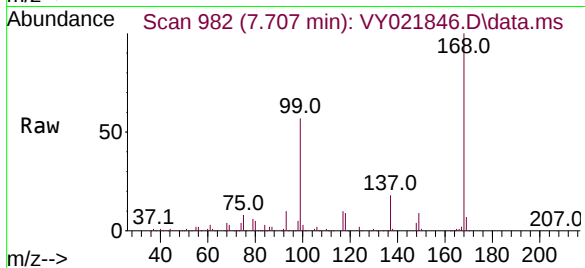




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

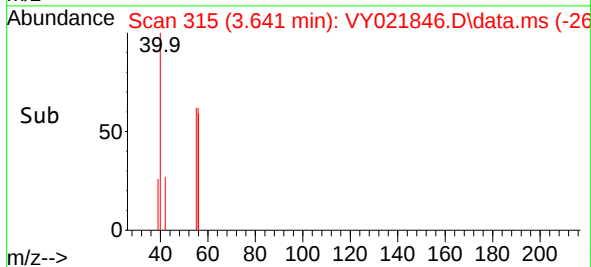
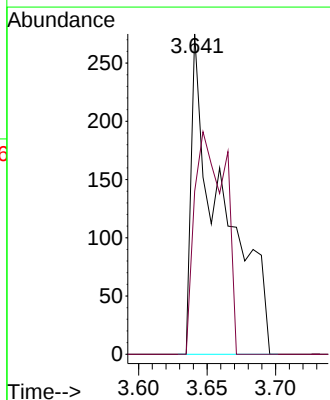
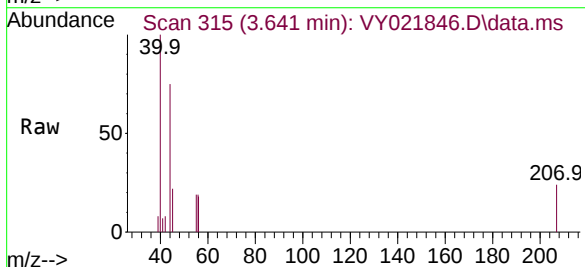
Instrument :
MSVOA_Y
ClientSampleId :
TP-3A-VOC

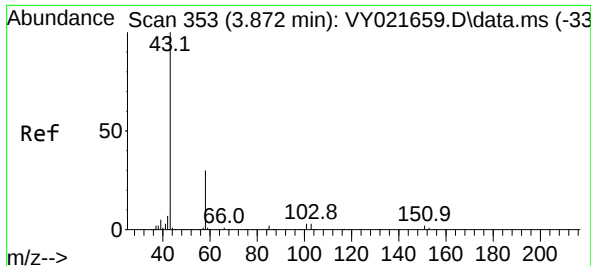
Tgt Ion:168 Resp: 259410
Ion Ratio Lower Upper
168 100
99 57.4 46.7 70.1



#13
Acrolein
Concen: 1.287 ug/l
RT: 3.641 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

Tgt Ion: 56 Resp: 429
Ion Ratio Lower Upper
56 100
55 68.8 56.6 85.0

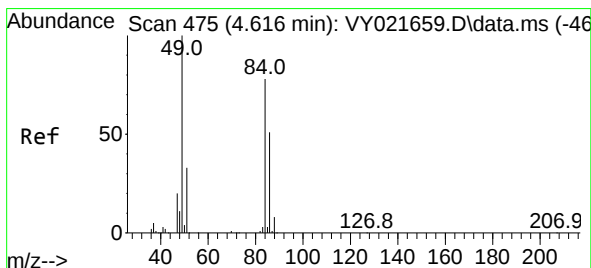
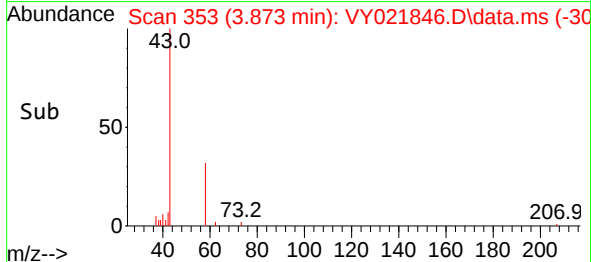
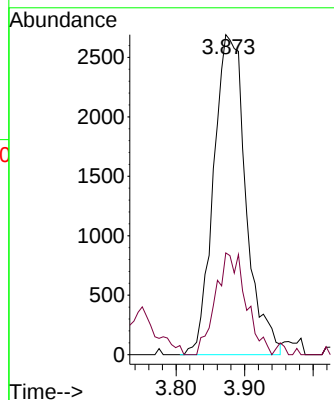
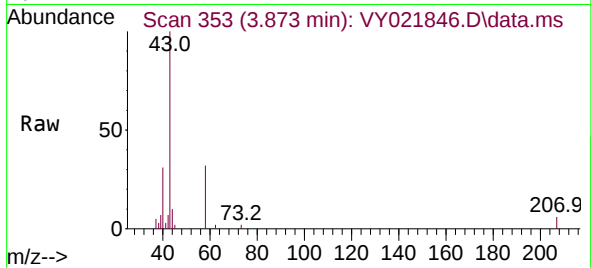




#16
Acetone
Concen: 15.267 ug/l
RT: 3.873 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

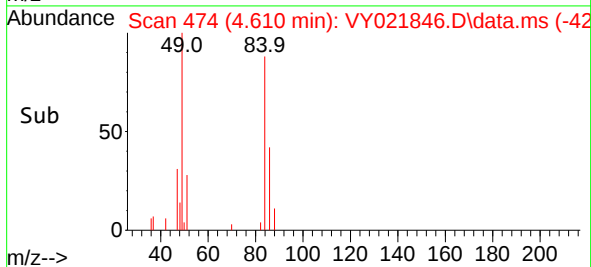
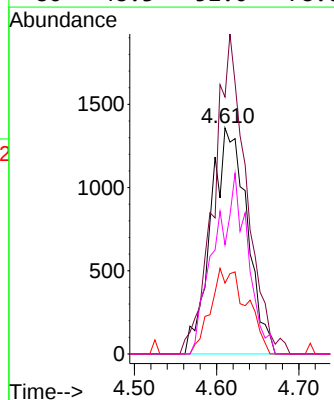
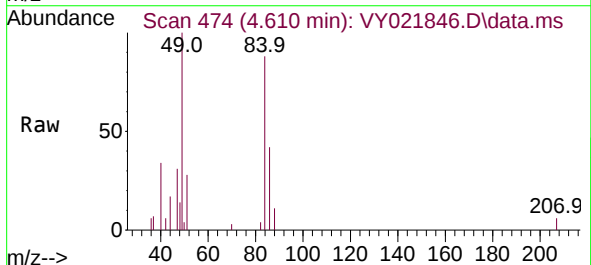
Instrument :
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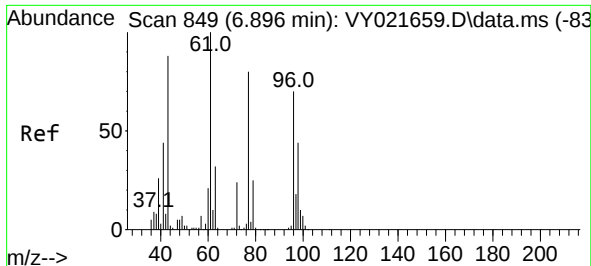
Tgt Ion: 43 Resp: 8782
Ion Ratio Lower Upper
43 100
58 29.0 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

Tgt Ion: 84 Resp: 4175
Ion Ratio Lower Upper
84 100
49 113.6 102.8 154.2
51 31.3 33.5 50.3#
86 48.3 52.0 78.0#

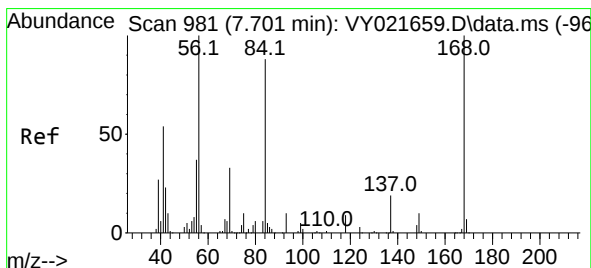
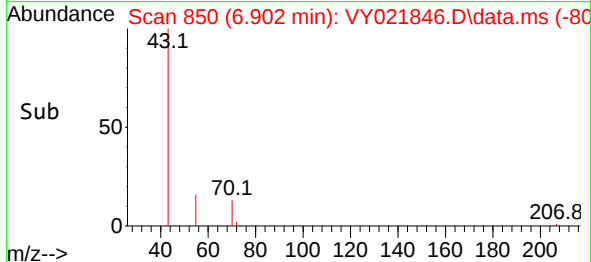
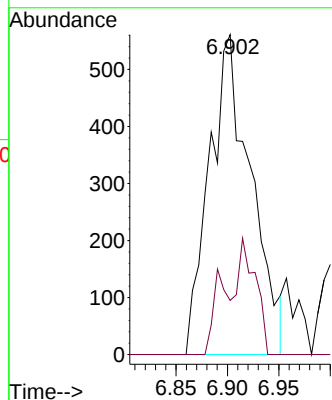
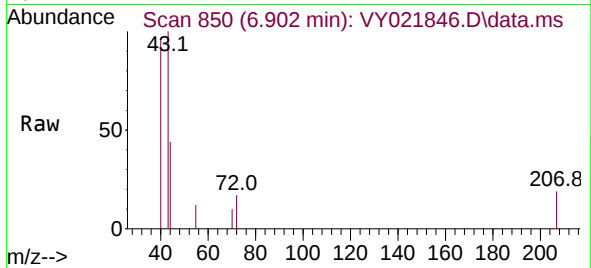




#25
2-Butanone
Concen: 1.916 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

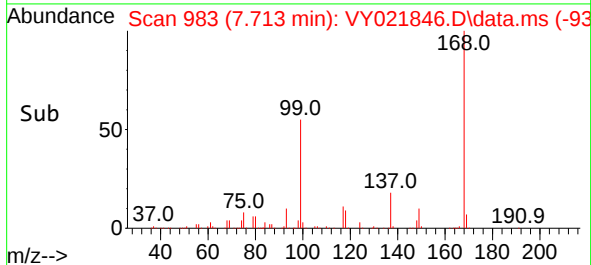
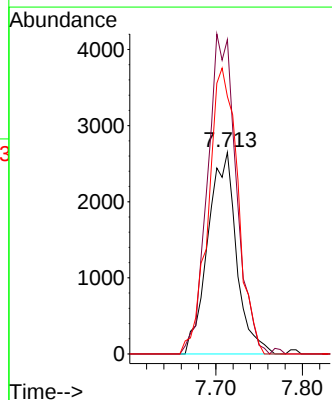
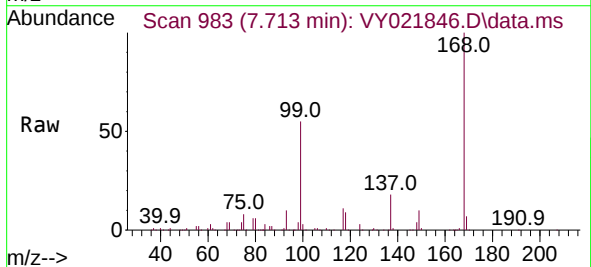
Instrument :
MSVOA_Y
ClientSampleId :
TP-3A-VOC

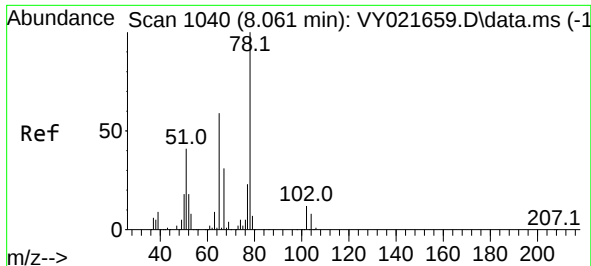
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
72 16.9 21.4 32.2#



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

Tgt Ion: 56 Resp: 6067
Ion Ratio Lower Upper
56 100
69 155.9 26.6 40.0#
84 127.7 69.0 103.4#

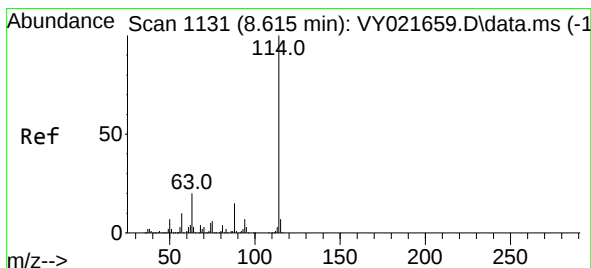
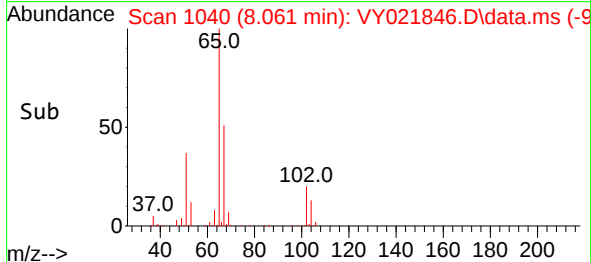
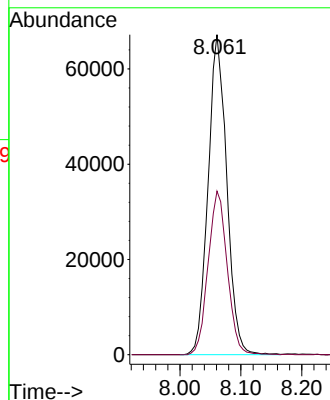
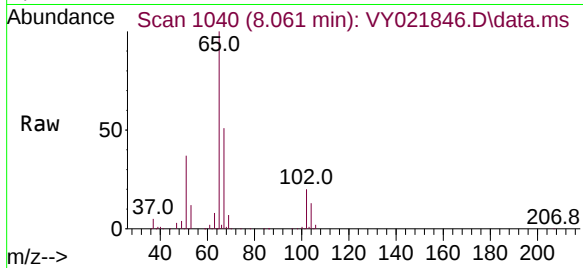




#33
1,2-Dichloroethane-d4
Concen: 50.869 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

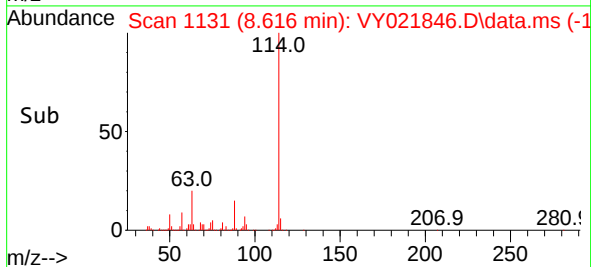
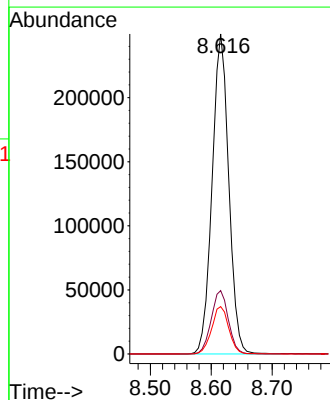
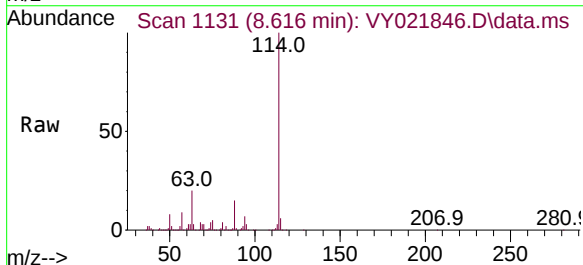
Instrument :
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ClientSampleId :
TP-3A-VOC

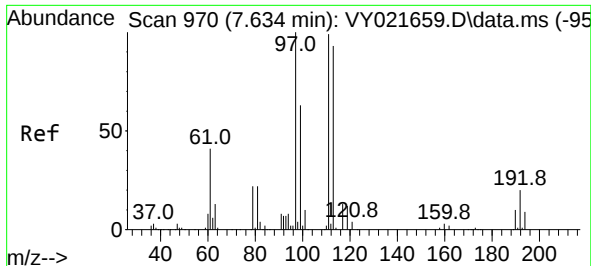
Tgt Ion: 65 Resp: 142975
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

Tgt Ion:114 Resp: 472280
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.2
88 14.8 0.0 29.8

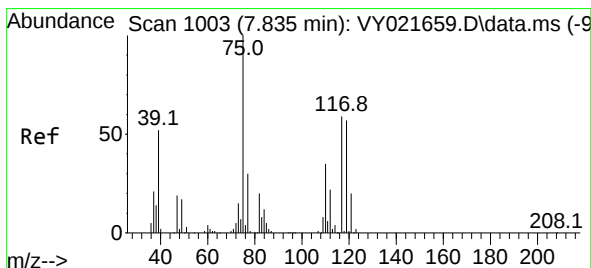
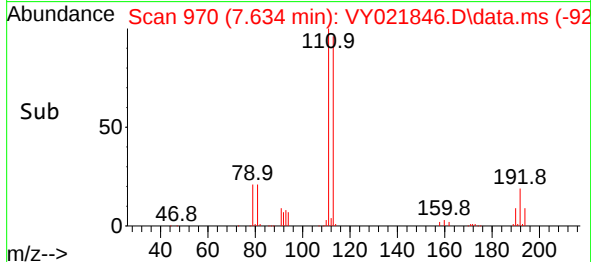
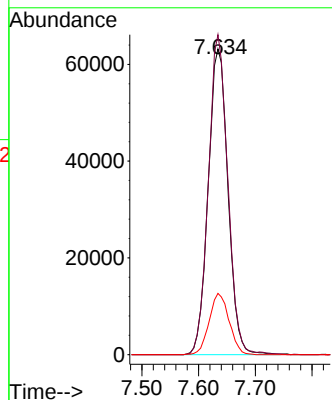
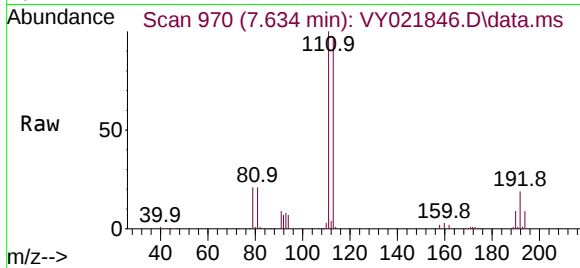




#35
Dibromofluoromethane
Concen: 50.069 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

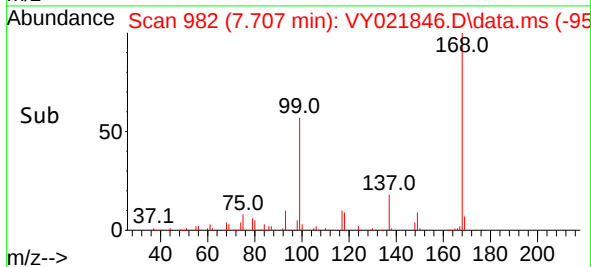
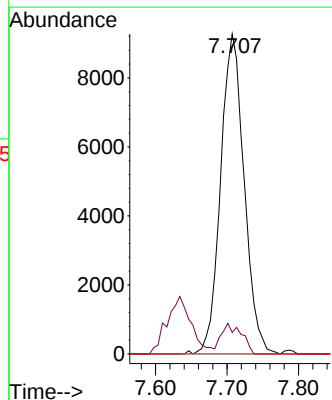
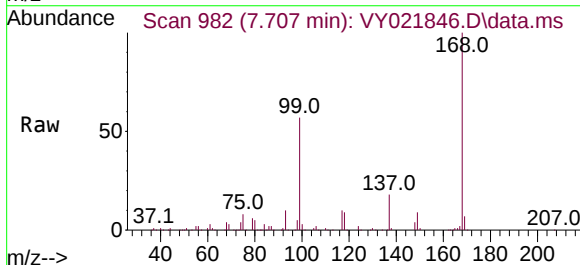
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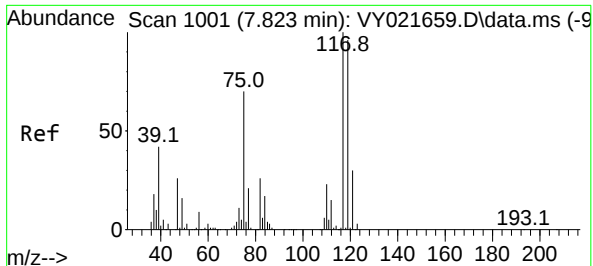
Tgt Ion:113 Resp: 153392
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

Tgt Ion: 75 Resp: 21186
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.8 37.2#

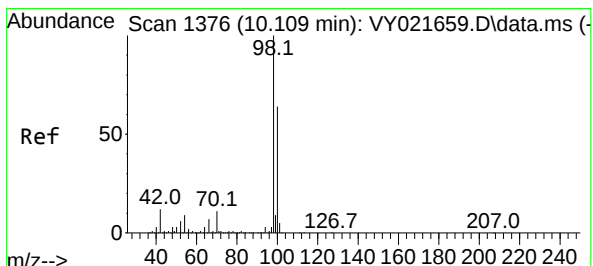
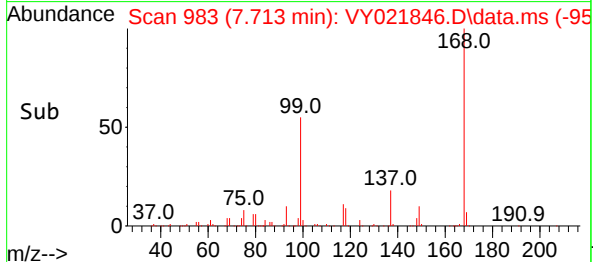
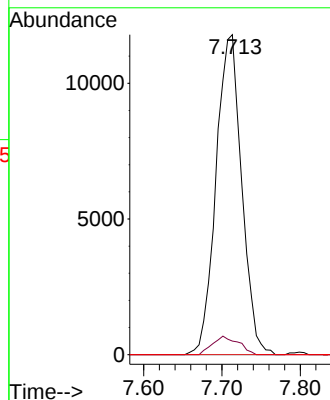
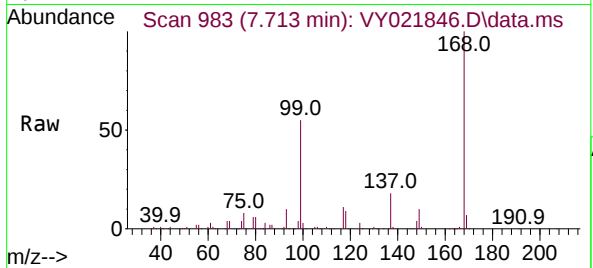




#38
Carbon Tetrachloride
Concen: 5.027 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

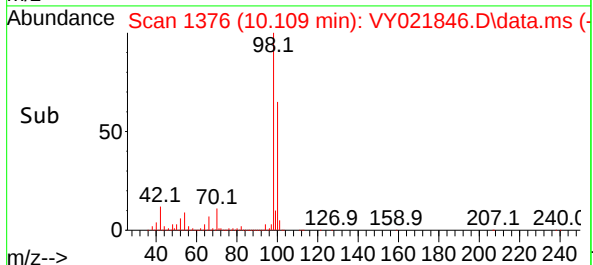
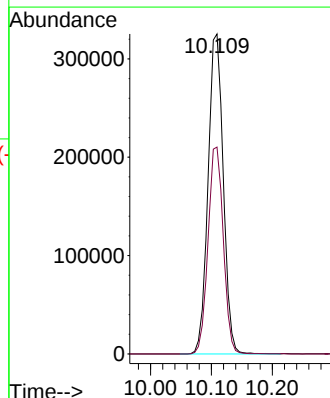
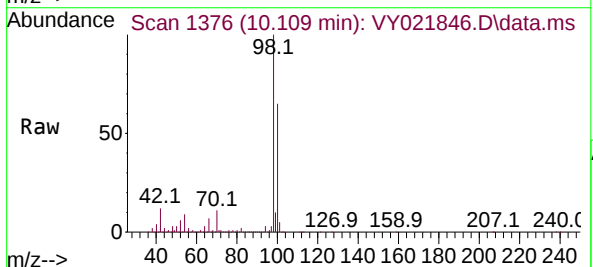
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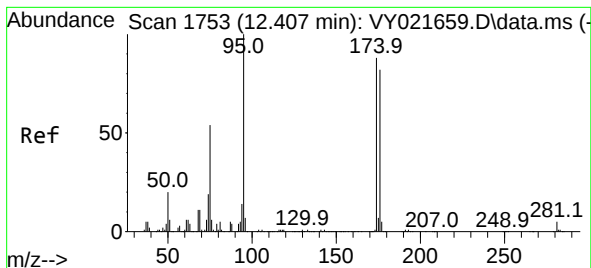
Tgt Ion:117 Resp: 26865
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021846.D
Acq: 10 Apr 2025 18:21

Tgt Ion: 98 Resp: 563742
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 41.365 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021846.D

Acq: 10 Apr 2025 18:21

Instrument :

MSVOA_Y

ClientSampleId :

TP-3A-VOC

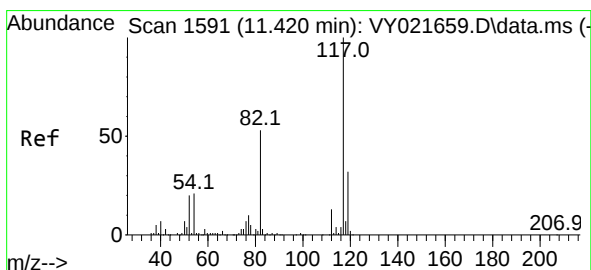
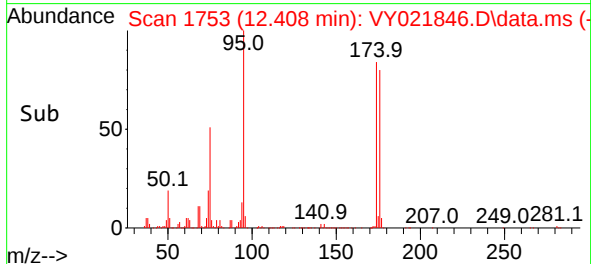
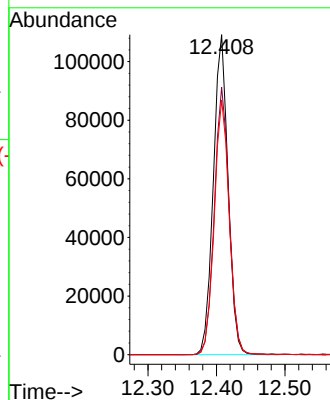
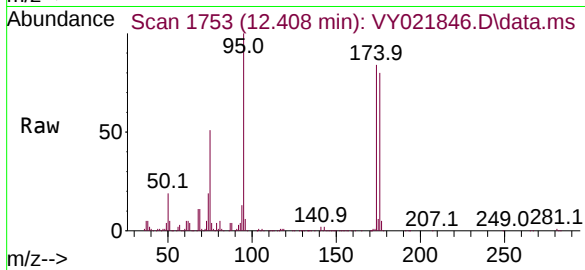
Tgt Ion: 95 Resp: 163071

Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.8

176 80.6 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021846.D

Acq: 10 Apr 2025 18:21

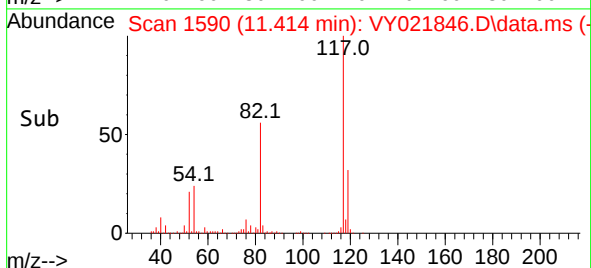
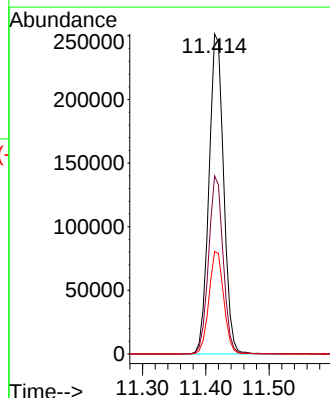
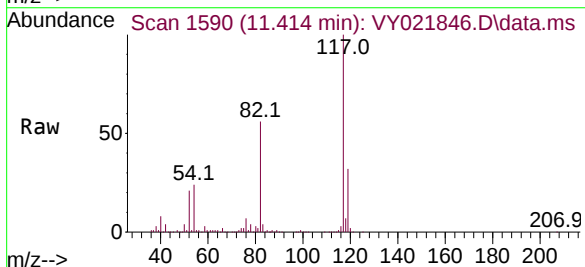
Tgt Ion: 117 Resp: 406839

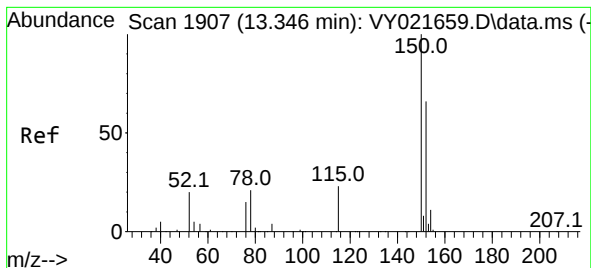
Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021846.D

Acq: 10 Apr 2025 18:21

Instrument :

MSVOA_Y

ClientSampleId :

TP-3A-VOC

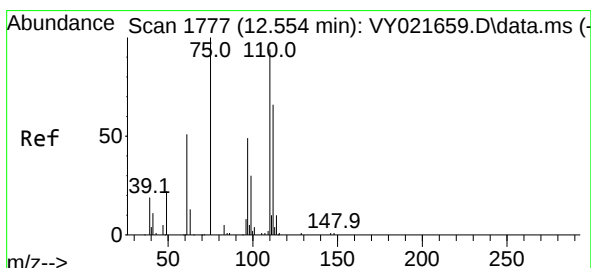
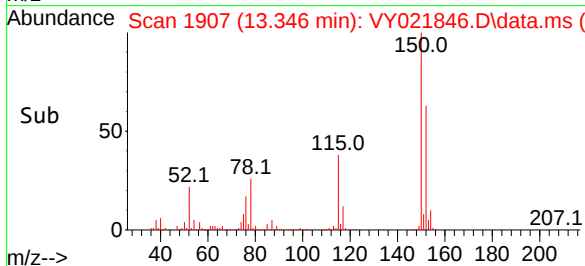
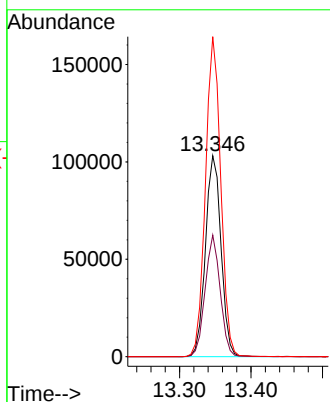
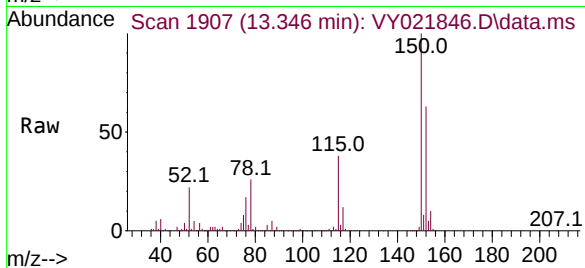
Tgt Ion:152 Resp: 156290

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 156.1 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 55.686 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021846.D

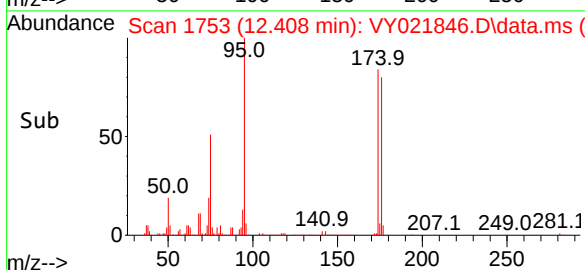
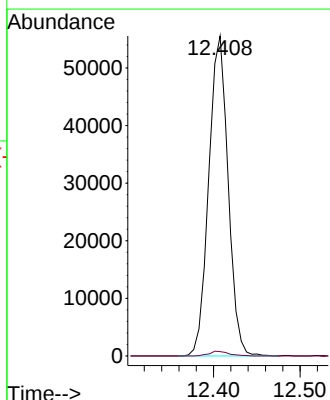
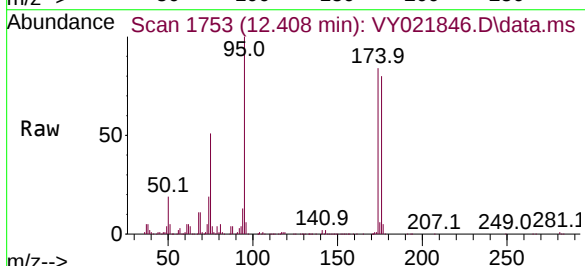
Acq: 10 Apr 2025 18:21

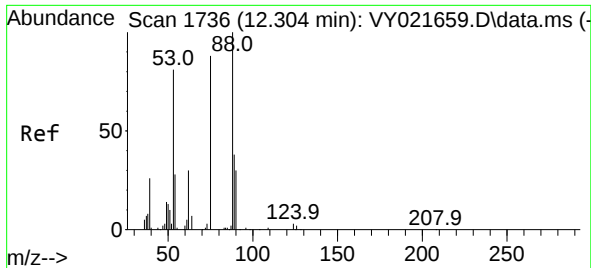
Tgt Ion: 75 Resp: 86270

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.309 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021846.D
 Acq: 10 Apr 2025 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3A-VOC

Tgt Ion: 75 Resp: 86270
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

