

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022803.D
 Acq On : 24 Jun 2025 17:26
 Operator : SY/MD
 Sample : Q2399-07
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-7-VOC

Quant Time: Jun 25 01:29:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

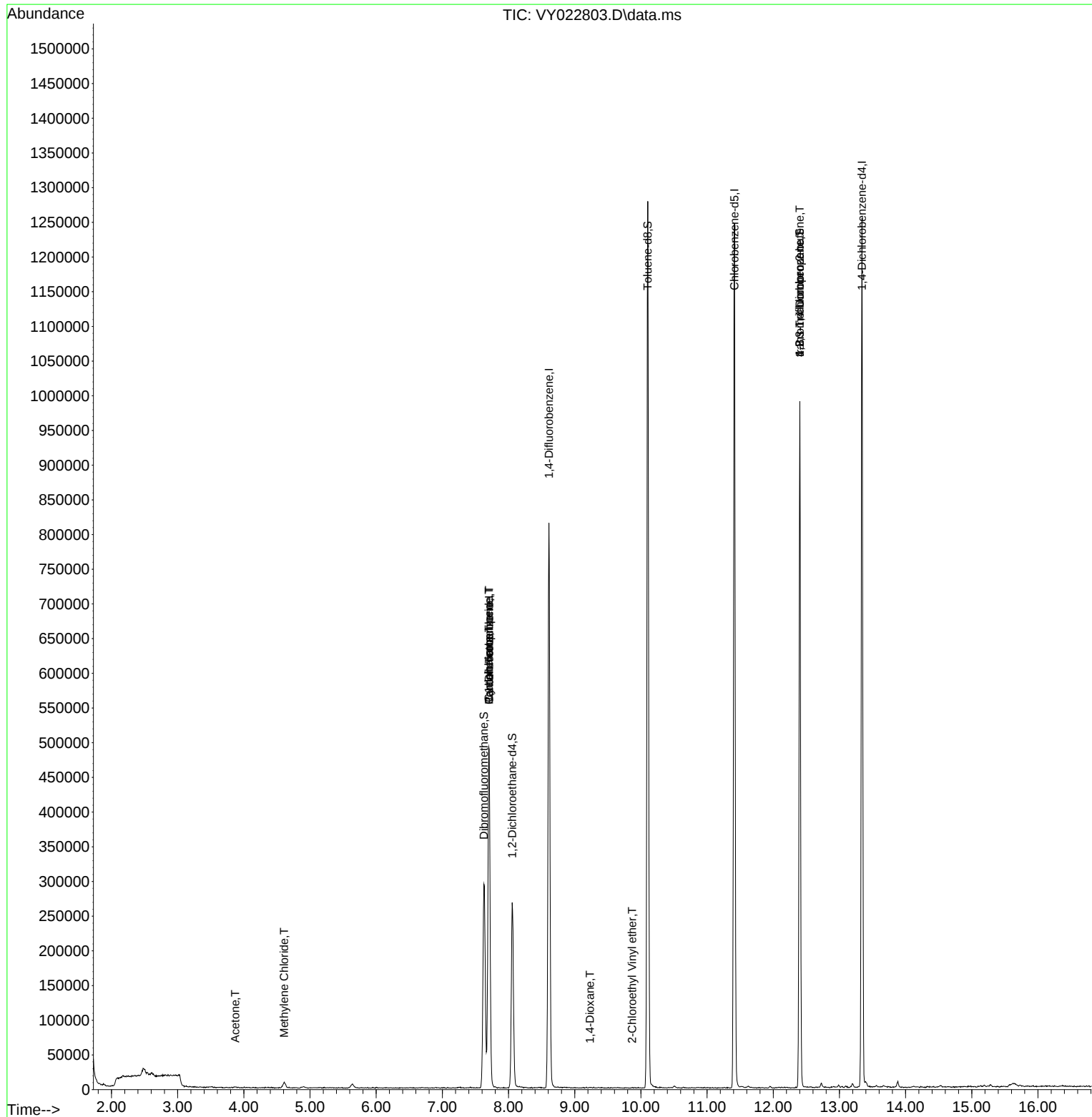
Internal Standards						
1) Pentafluorobenzene	7.707	168	376039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	690364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	643315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	291407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	209407	49.895	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.780%
35) Dibromofluoromethane	7.628	113	210984	50.253	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.500%
50) Toluene-d8	10.103	98	822901	49.394	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.780%
62) 4-Bromofluorobenzene	12.402	95	280649	52.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.800%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1797	2.265	ug/l	94
20) Methylene Chloride	4.610	84	5708	1.139	ug/l	83
31) Cyclohexane	7.701	56	9270	1.286	ug/l #	30
36) 1,1-Dichloropropene	7.701	75	31492	4.949	ug/l #	51
38) Carbon Tetrachloride	7.707	117	38953	5.801	ug/l #	17
49) 1,4-Dioxane	9.232	88	50	1.628	ug/l #	9
58) 2-Chloroethyl Vinyl ether	9.866	63	58	15.678	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	158385	53.238	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	158385	134.501	ug/l #	11

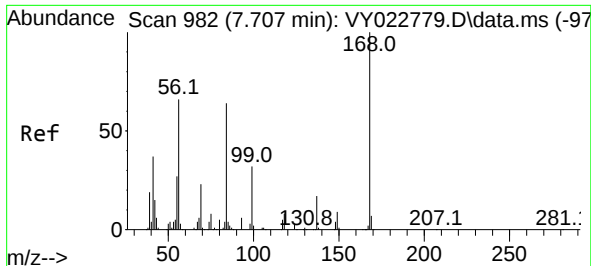
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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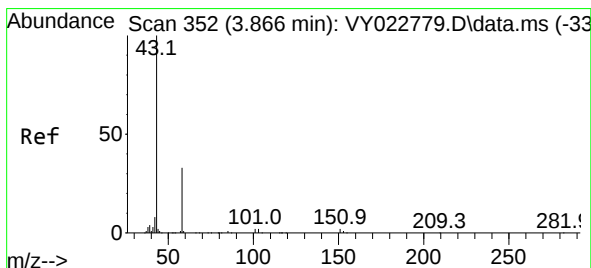
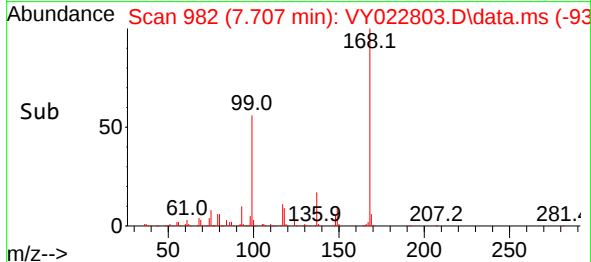
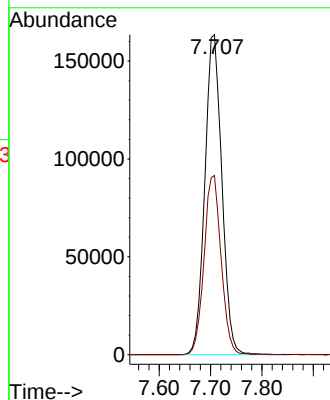
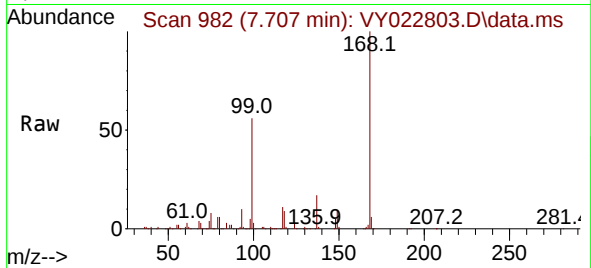




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

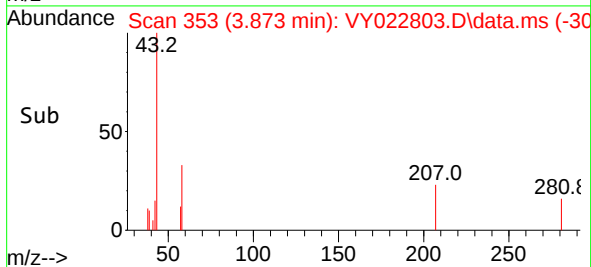
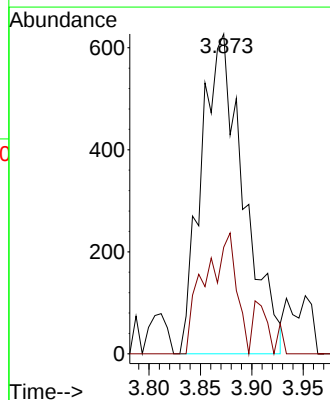
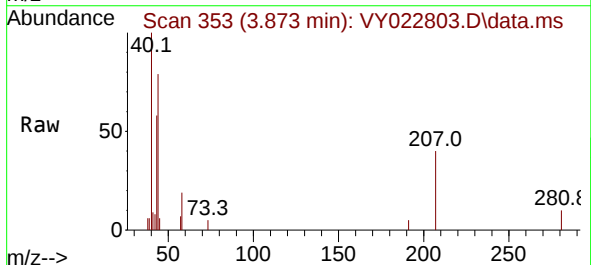
Instrument :
MSVOA_Y
ClientSampleId :
EP-7-VOC

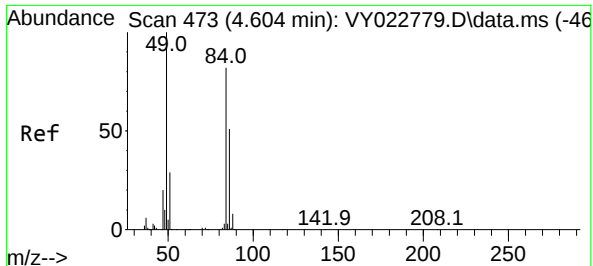
Tgt Ion:168 Resp: 376039
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#16
Acetone
Concen: 2.265 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

Tgt Ion: 43 Resp: 1797
Ion Ratio Lower Upper
43 100
58 33.3 24.0 36.0





#20

Methylene Chloride

Concen: 1.139 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY022803.D

Acq: 24 Jun 2025 17:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-7-VOC

Tgt Ion: 84 Resp: 5708

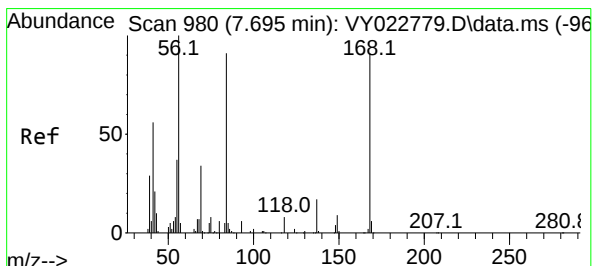
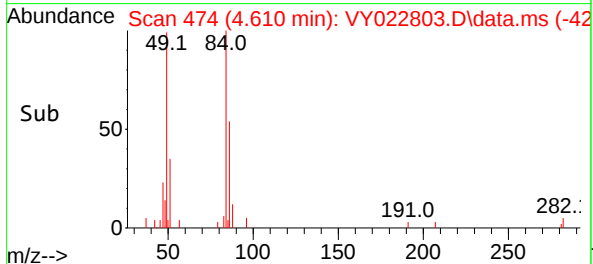
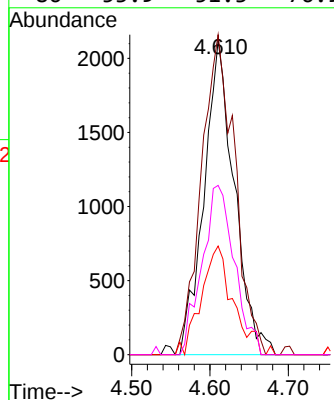
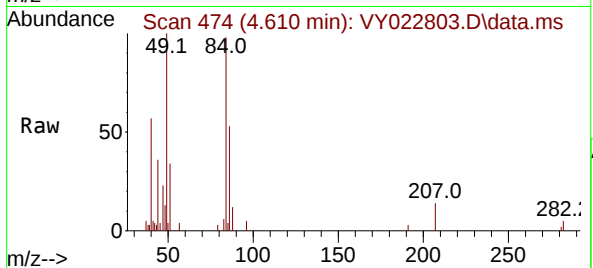
Ion Ratio Lower Upper

84 100

49 101.9 101.9 152.9

51 34.6 29.8 44.8

86 53.9 51.3 76.9



#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022803.D

Acq: 24 Jun 2025 17:26

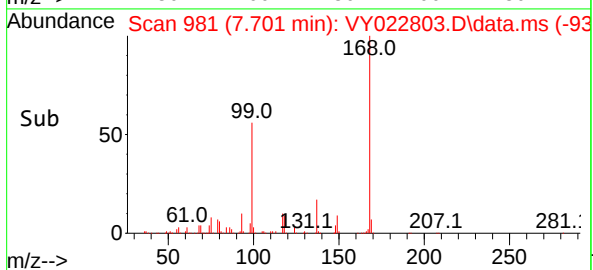
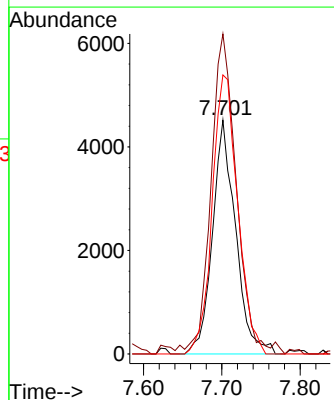
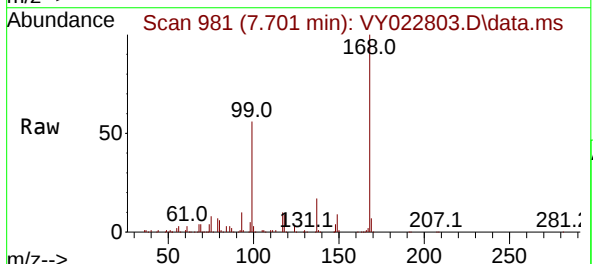
Tgt Ion: 56 Resp: 9270

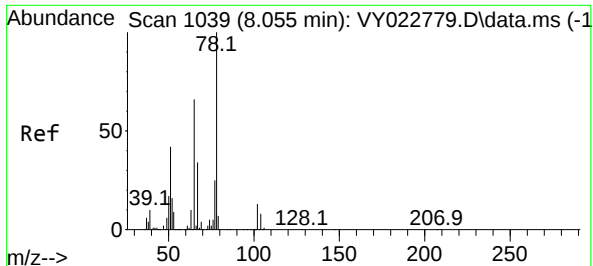
Ion Ratio Lower Upper

56 100

69 134.5 27.0 40.6#

84 119.4 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.895 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022803.D

Acq: 24 Jun 2025 17:26

Instrument :

MSVOA_Y

ClientSampleId :

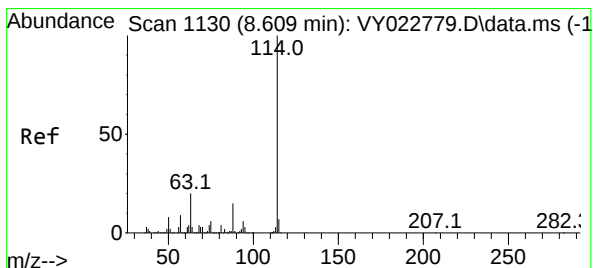
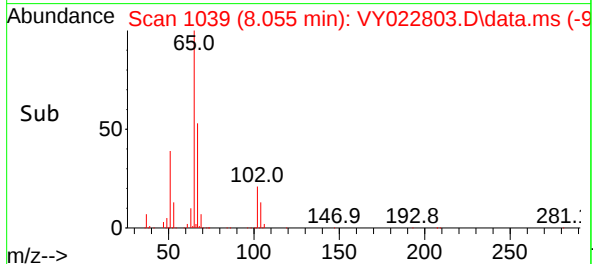
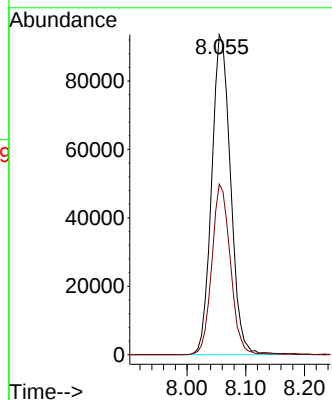
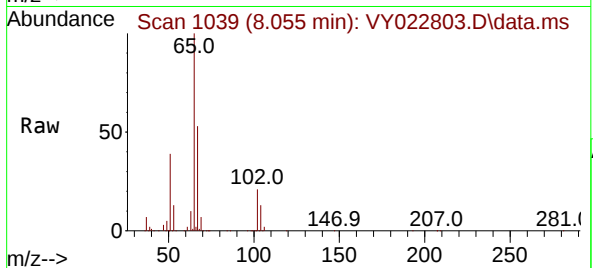
EP-7-VOC

Tgt Ion: 65 Resp: 209407

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022803.D

Acq: 24 Jun 2025 17:26

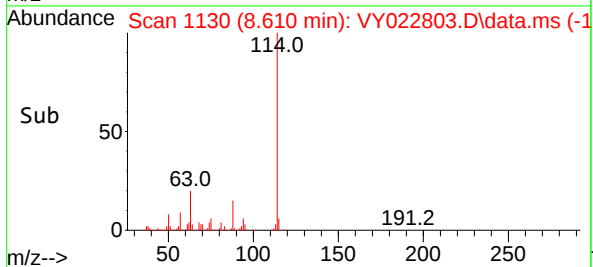
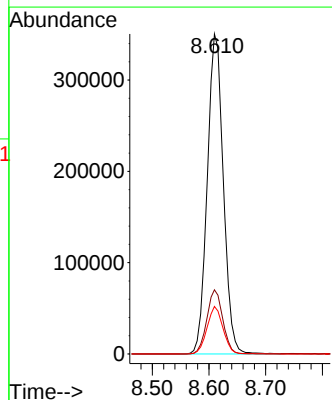
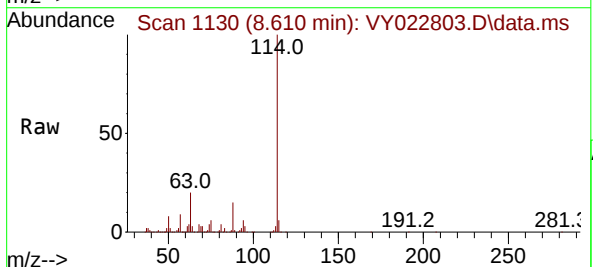
Tgt Ion: 114 Resp: 690364

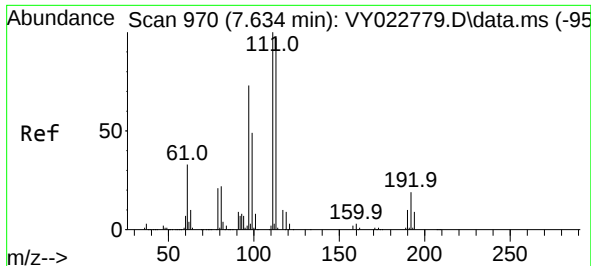
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 14.8 0.0 27.8

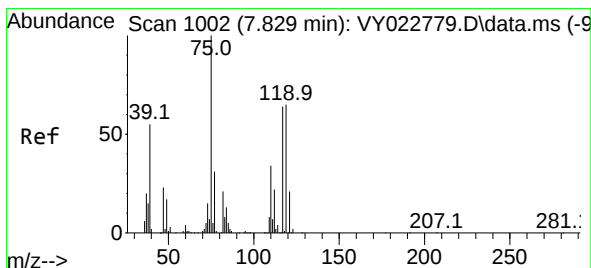
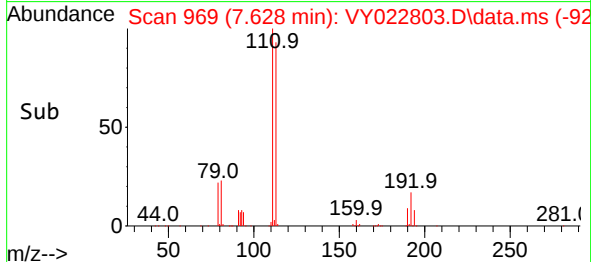
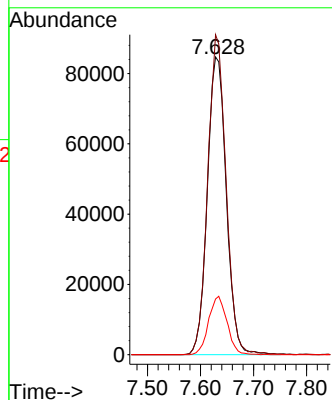
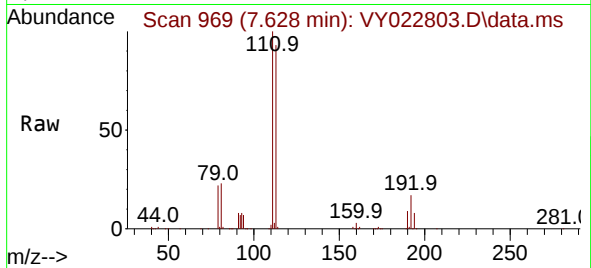




#35
Dibromofluoromethane
Concen: 50.253 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

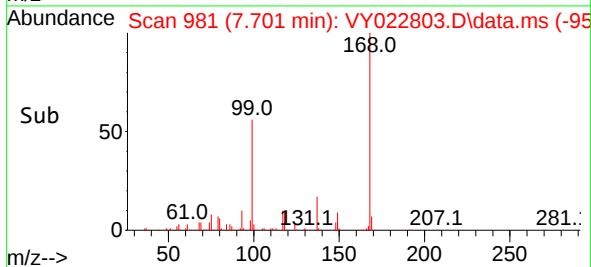
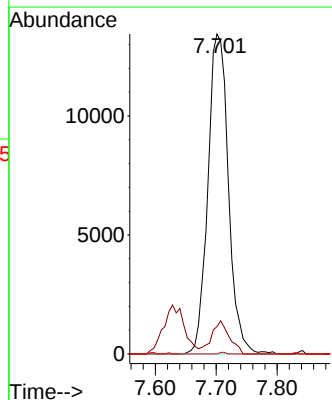
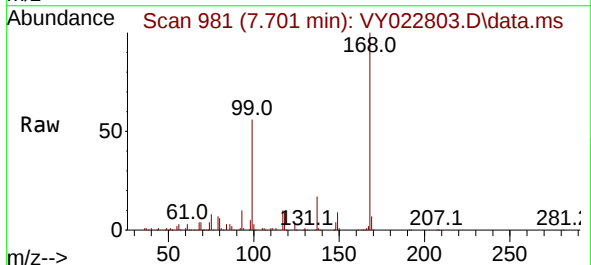
Instrument :
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ClientSampleId :
EP-7-VOC

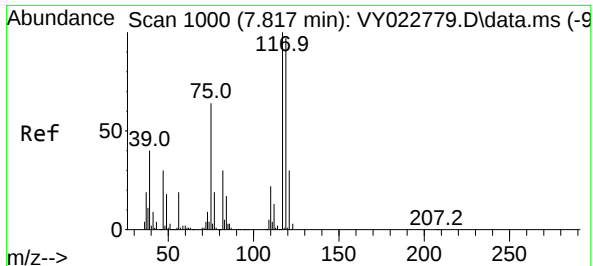
Tgt Ion:113 Resp: 210984
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.949 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

Tgt Ion: 75 Resp: 31492
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.2 24.8 37.2#

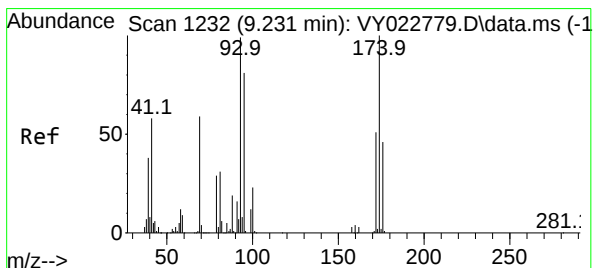
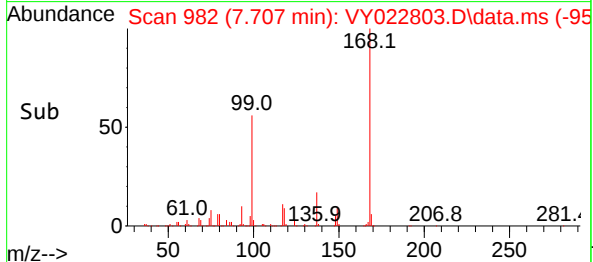
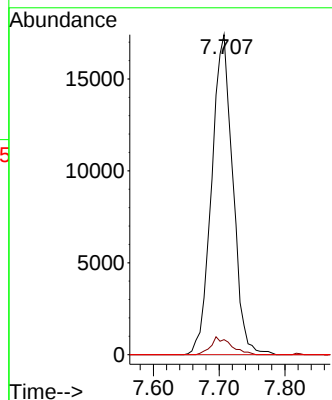
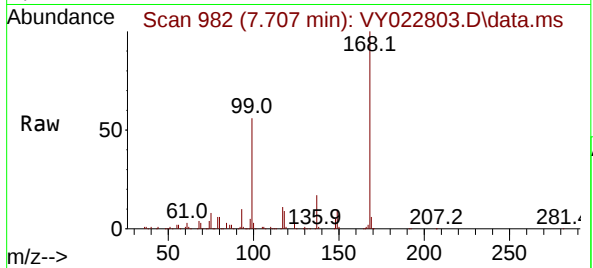




#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

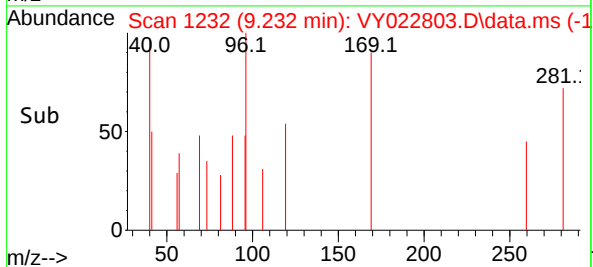
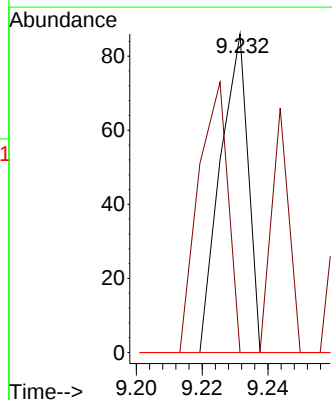
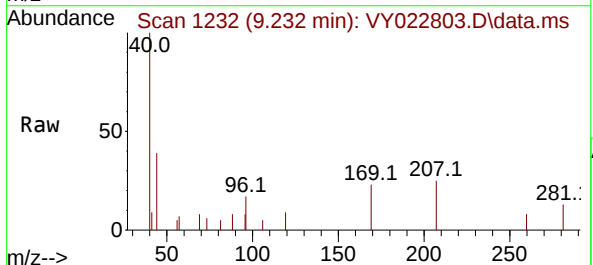
Instrument :
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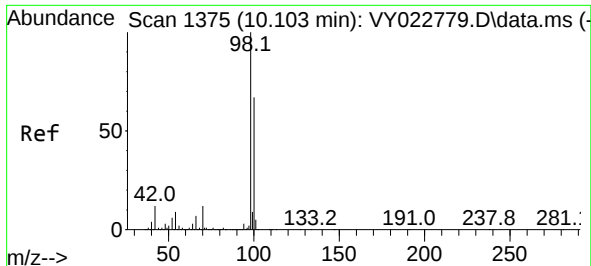
Tgt Ion:117 Resp: 38953
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.628 ug/l
RT: 9.232 min Scan# 1232
Delta R.T. -0.012 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 90.0 25.4 38.2#
58 0.0 54.9 82.3#

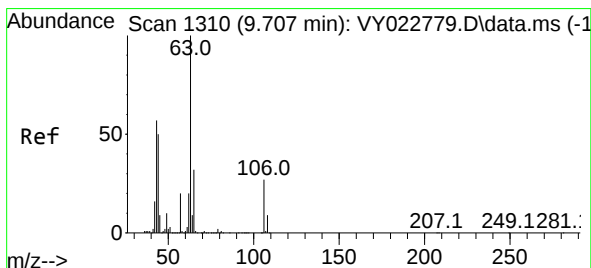
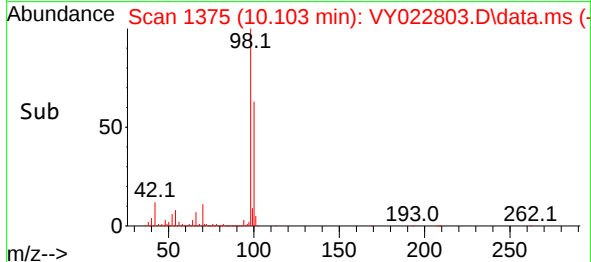
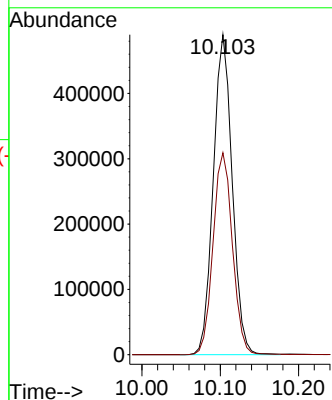
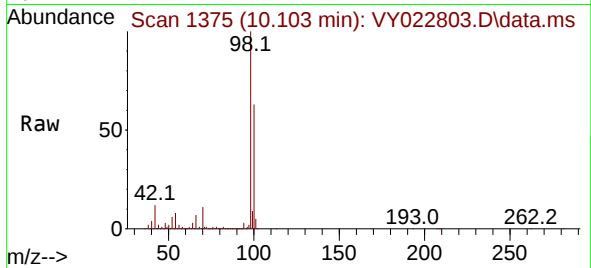




#50
Toluene-d8
Concen: 49.394 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

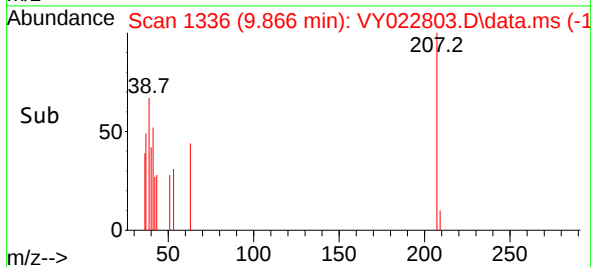
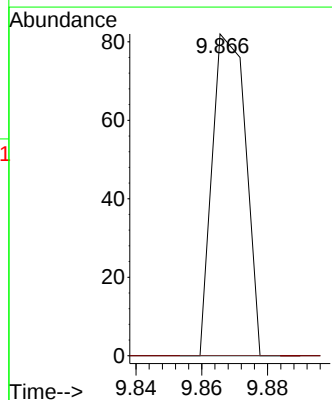
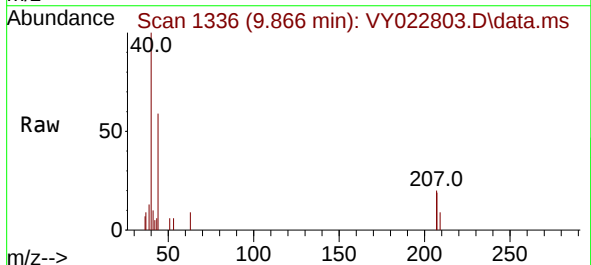
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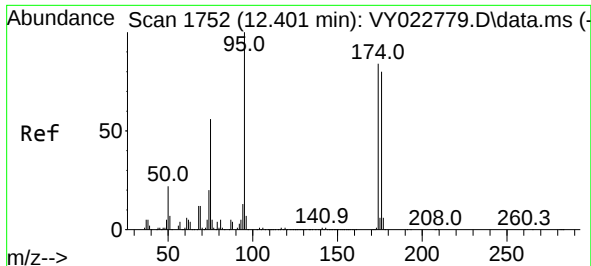
Tgt Ion: 98 Resp: 822901
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.678 ug/l
RT: 9.866 min Scan# 1336
Delta R.T. 0.153 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

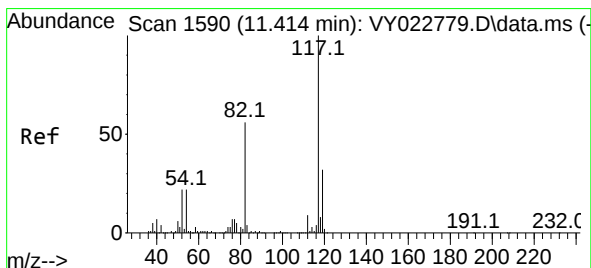
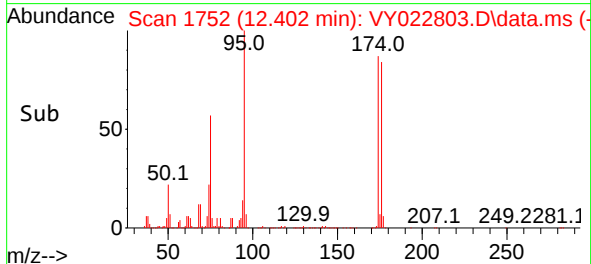
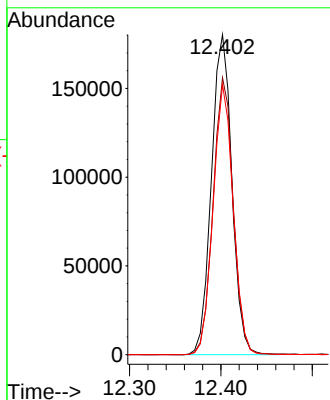
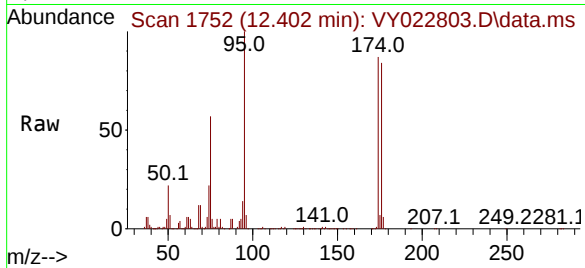




#62
4-Bromofluorobenzene
Concen: 52.402 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

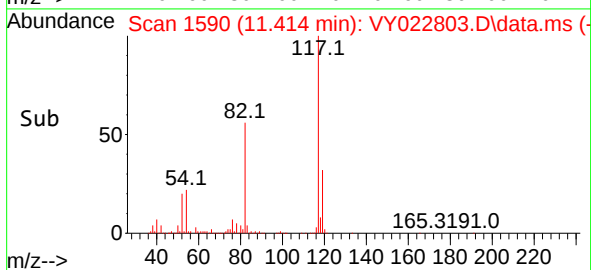
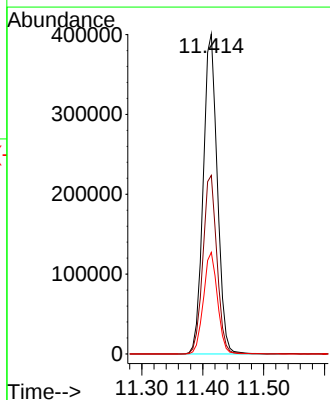
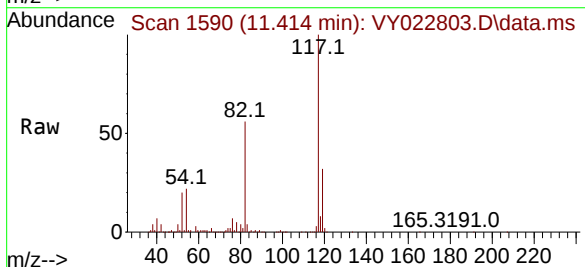
Instrument :
MSVOA_Y
ClientSampleId :
EP-7-VOC

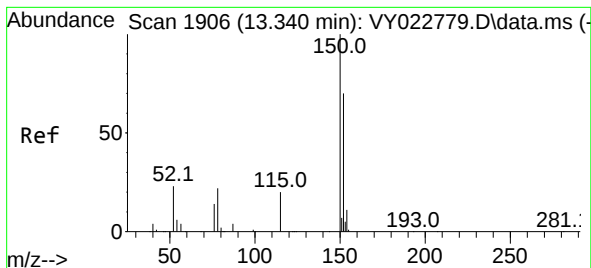
Tgt Ion: 95 Resp: 280649
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.0
176 82.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022803.D
Acq: 24 Jun 2025 17:26

Tgt Ion: 117 Resp: 643315
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022803.D

Acq: 24 Jun 2025 17:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-7-VOC

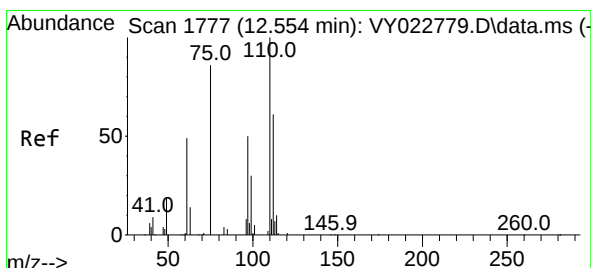
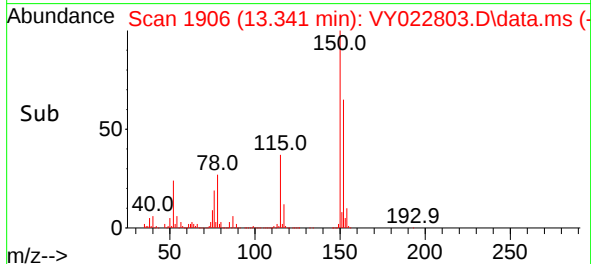
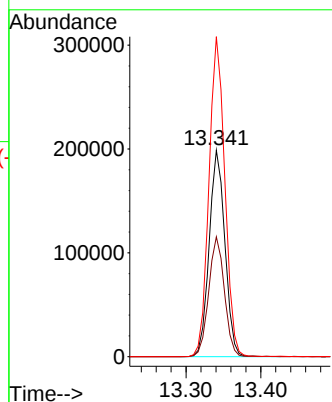
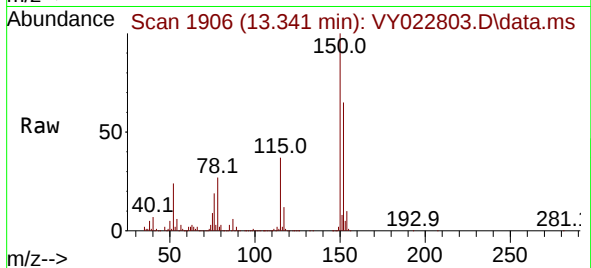
Tgt Ion:152 Resp: 291407

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 155.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.238 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022803.D

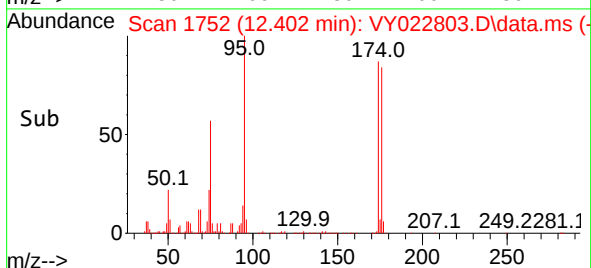
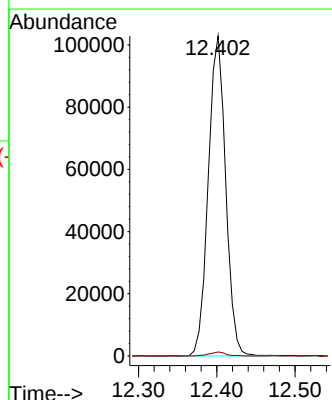
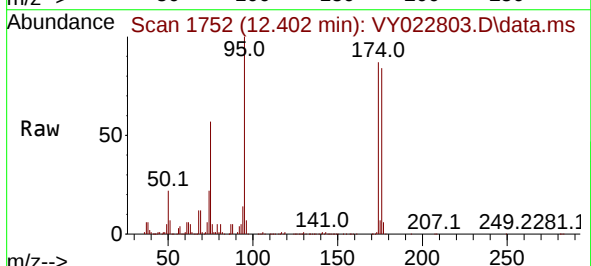
Acq: 24 Jun 2025 17:26

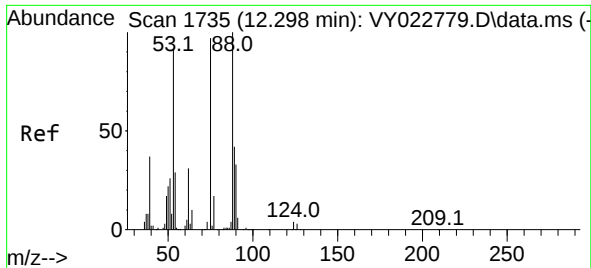
Tgt Ion: 75 Resp: 158385

Ion Ratio Lower Upper

75 100

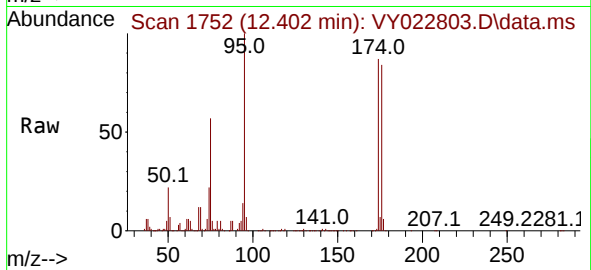
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.501 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022803.D
 Acq: 24 Jun 2025 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-7-VOC



Tgt Ion: 75 Resp: 158385
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.1 35.7 53.5#

