

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021726.D
 Acq On : 31 Mar 2025 17:45
 Operator : SY/MD
 Sample : Q1672-03
 Misc : 4.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8-VOC

Quant Time: Apr 01 05:40:30 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)

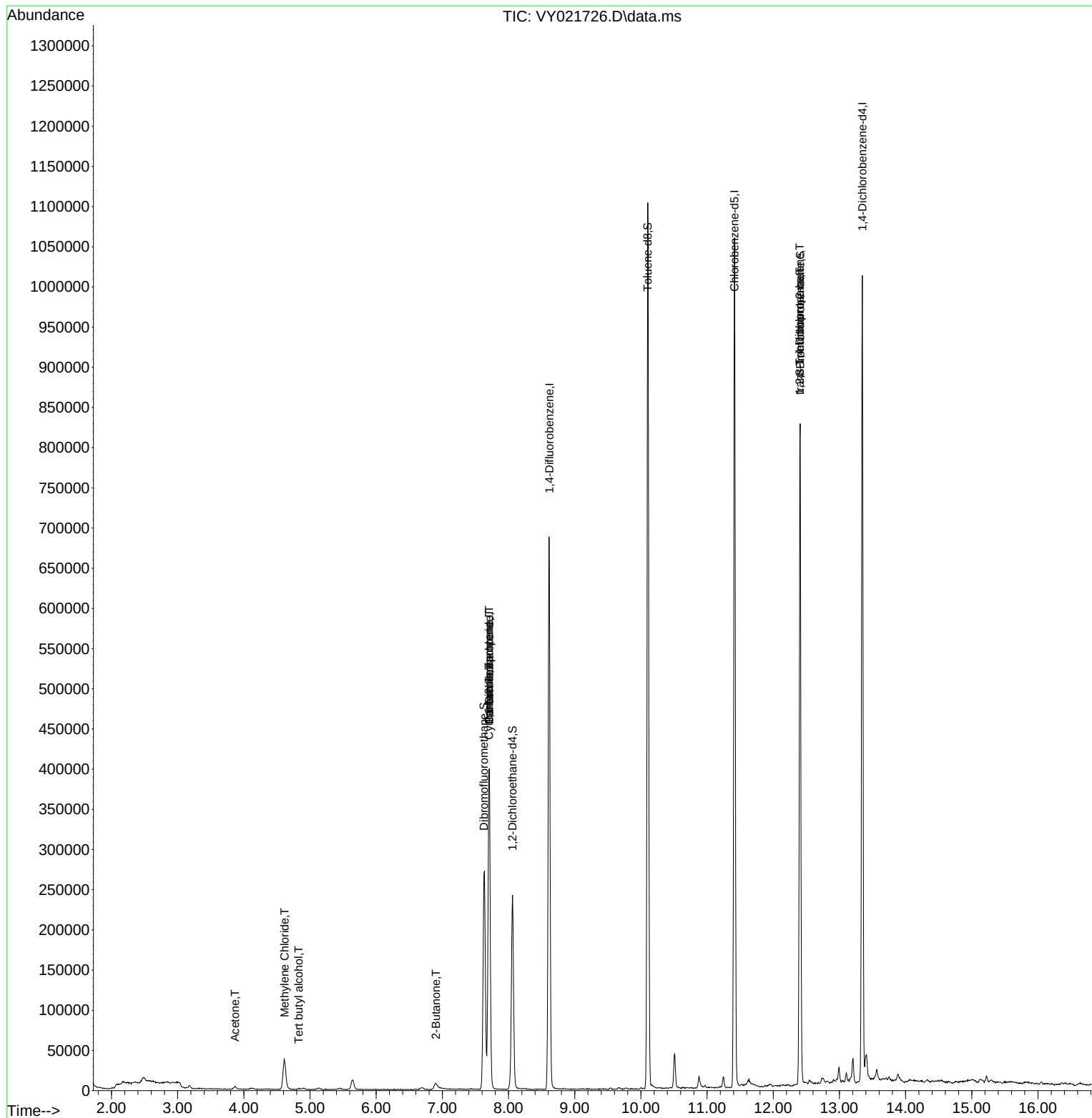
Internal Standards						
1) Pentafluorobenzene	7.707	168	307752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	573811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	549019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	247906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185420	55.608	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.220%	
35) Dibromofluoromethane	7.628	113	191843	51.540	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.103	98	698940	49.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.720%	
62) 4-Bromofluorobenzene	12.408	95	251517	52.512	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	636	2.937	ug/l #	70
16) Acetone	3.866	43	5732	8.400	ug/l	93
20) Methylene Chloride	4.616	84	26486	4.405	ug/l	88
25) 2-Butanone	6.902	43	1665	1.708	ug/l #	86
31) Cyclohexane	7.701	56	6868	1.167	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	24565	4.333	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30928	4.763	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	133036	54.137	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	133036	124.741	ug/l #	12

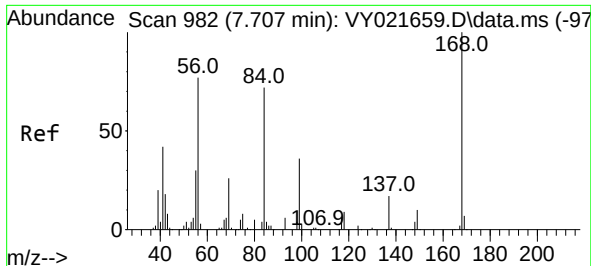
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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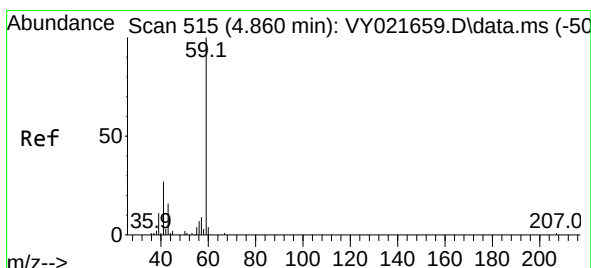
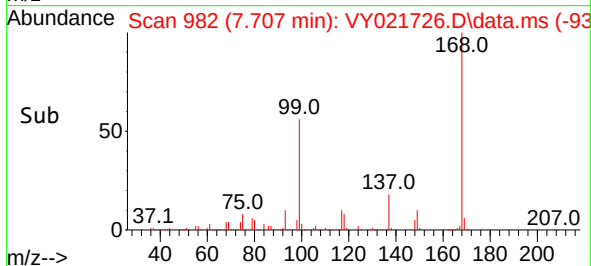
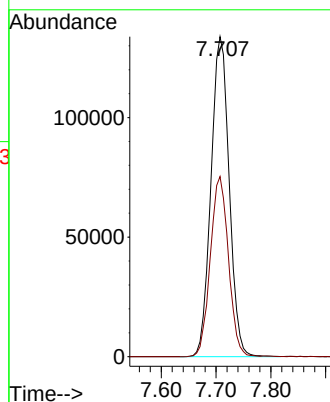
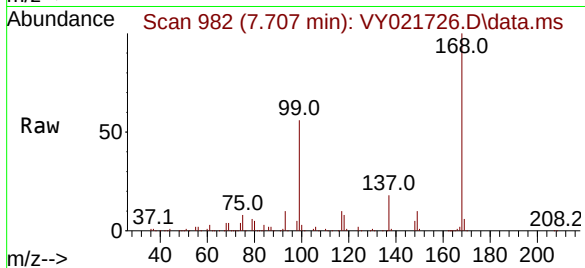




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

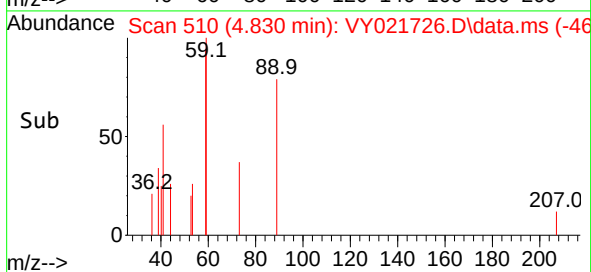
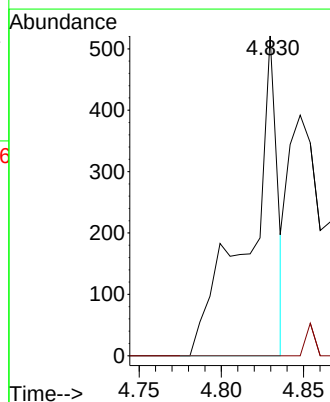
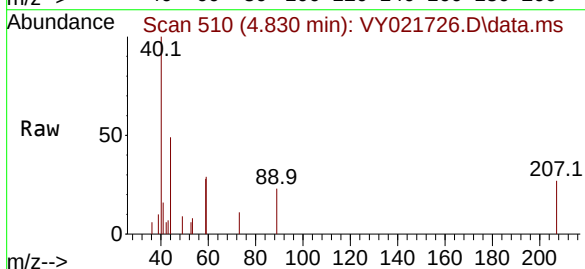
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

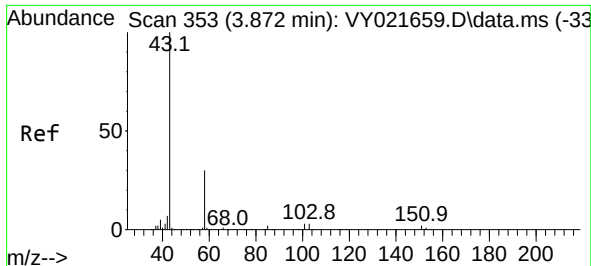
Tgt Ion:168 Resp: 307752
Ion Ratio Lower Upper
168 100
99 56.3 46.7 70.1



#11
Tert butyl alcohol
Concen: 2.937 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

Tgt Ion: 59 Resp: 636
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 8.400 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021726.D

Acq: 31 Mar 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

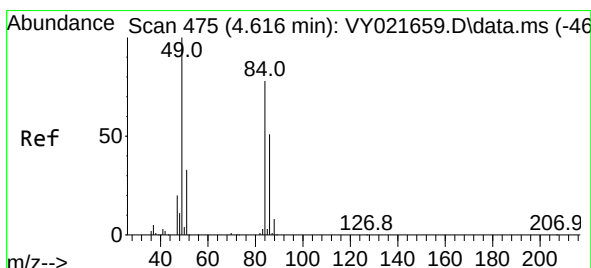
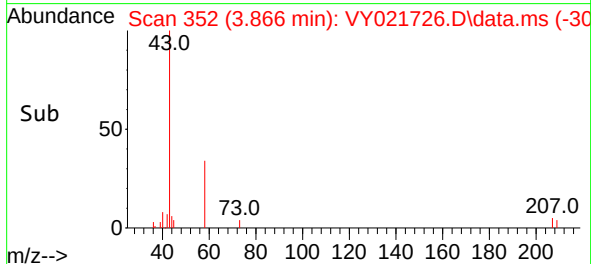
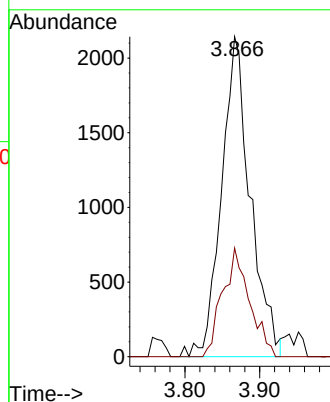
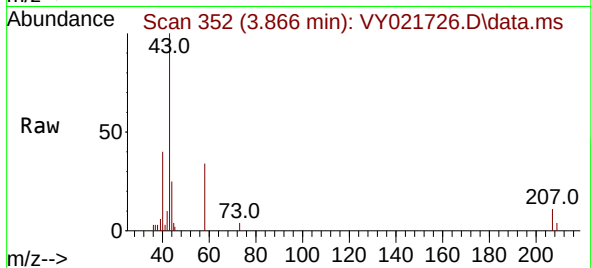
TP-8-VOC

Tgt Ion: 43 Resp: 5732

Ion Ratio Lower Upper

43 100

58 34.0 24.2 36.4



#20

Methylene Chloride

Concen: 4.405 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021726.D

Acq: 31 Mar 2025 17:45

Tgt Ion: 84 Resp: 26486

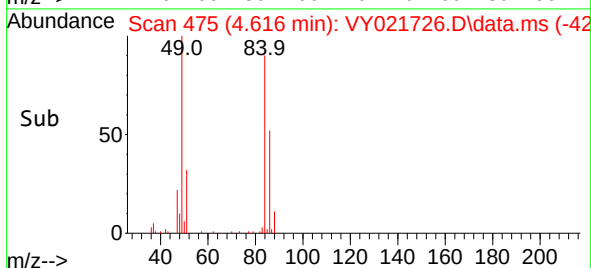
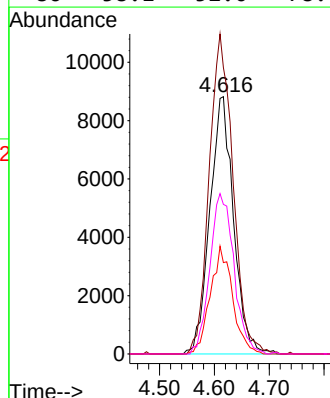
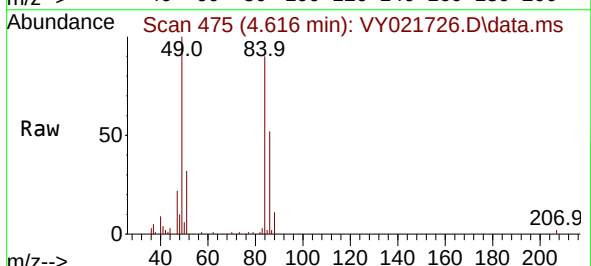
Ion Ratio Lower Upper

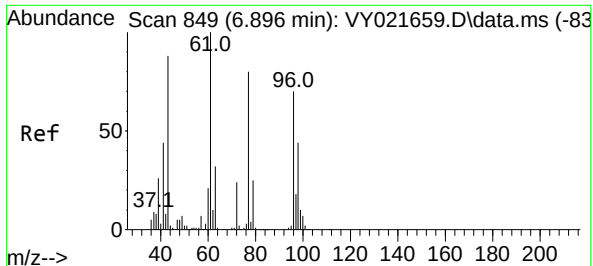
84 100

49 111.3 102.8 154.2

51 35.5 33.5 50.3

86 58.1 52.0 78.0





#25

2-Butanone

Concen: 1.708 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY021726.D

Acq: 31 Mar 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

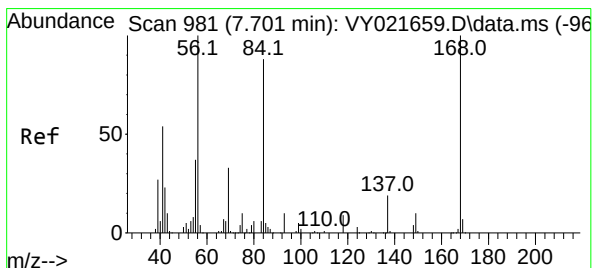
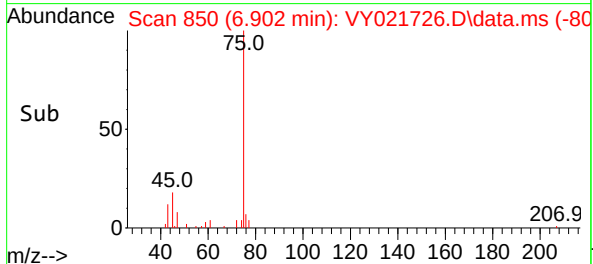
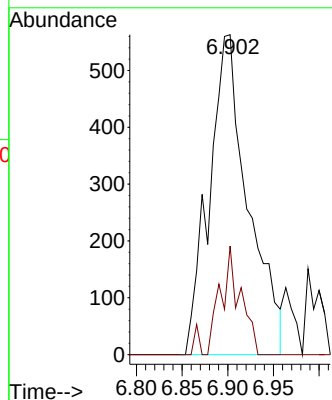
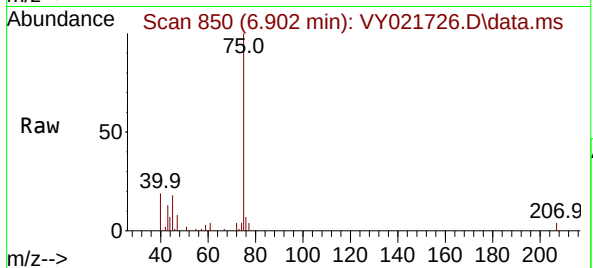
TP-8-VOC

Tgt Ion: 43 Resp: 1665

Ion Ratio Lower Upper

43 100

72 33.9 21.4 32.2#



#31

Cyclohexane

Concen: 1.167 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021726.D

Acq: 31 Mar 2025 17:45

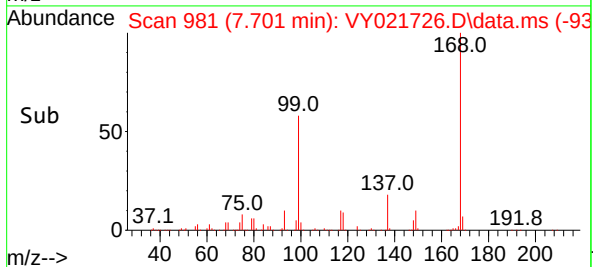
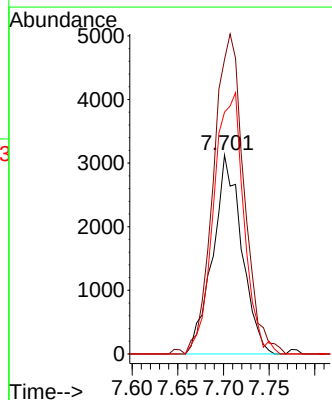
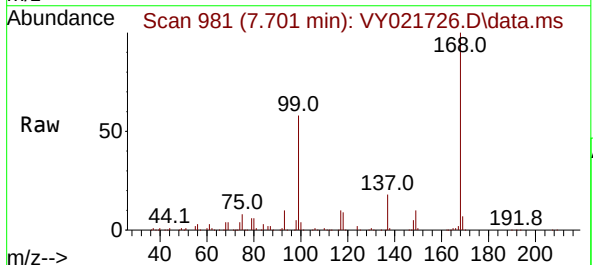
Tgt Ion: 56 Resp: 6868

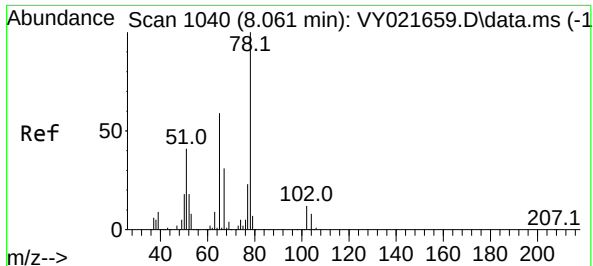
Ion Ratio Lower Upper

56 100

69 145.9 26.6 40.0#

84 121.5 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 55.608 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021726.D

Acq: 31 Mar 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

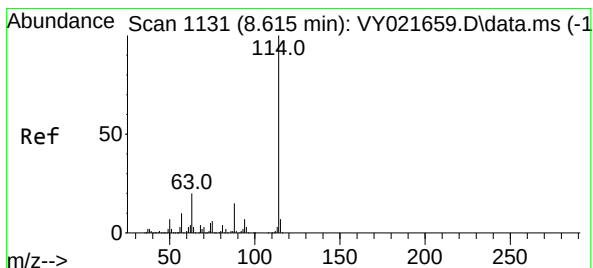
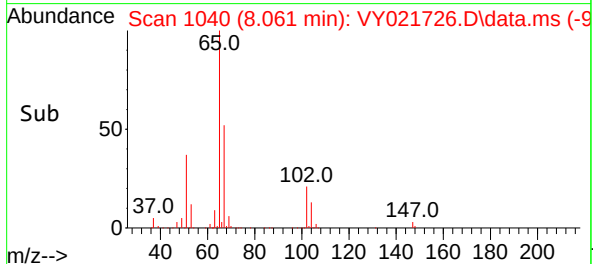
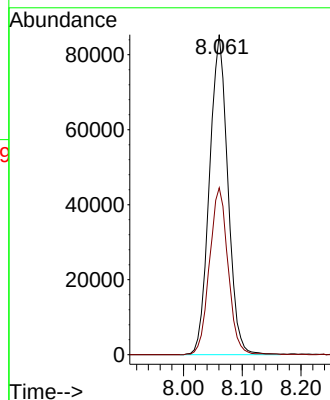
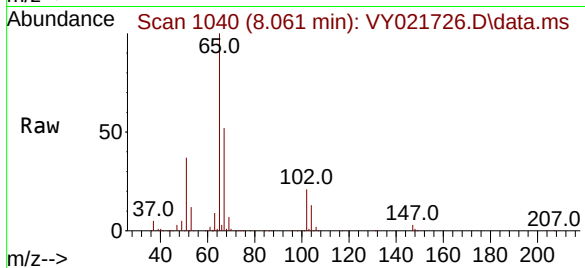
TP-8-VOC

Tgt Ion: 65 Resp: 185420

Ion Ratio Lower Upper

65 100

67 52.6 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: VY021726.D

Acq: 31 Mar 2025 17:45

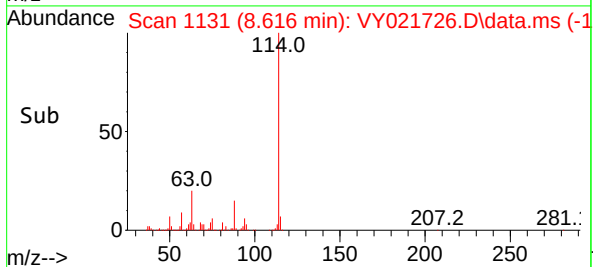
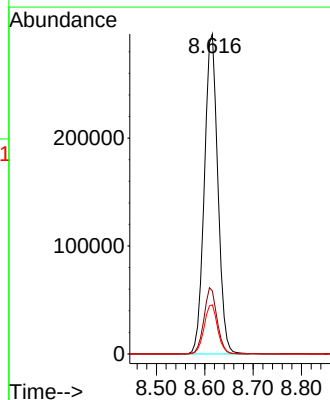
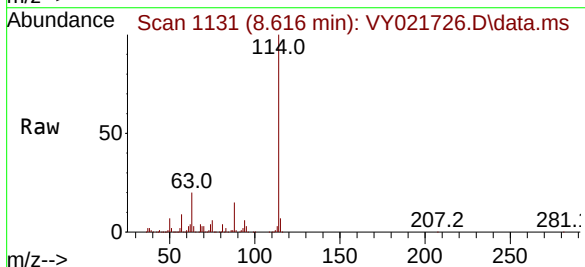
Tgt Ion: 114 Resp: 573811

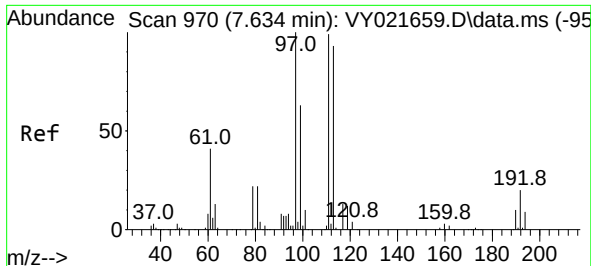
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 15.4 0.0 29.8

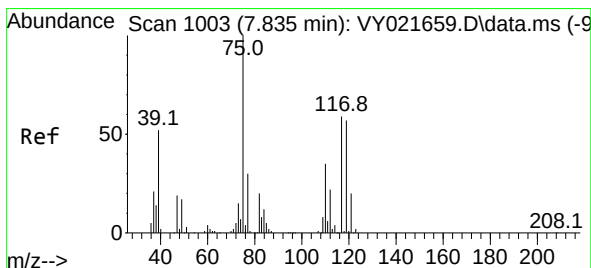
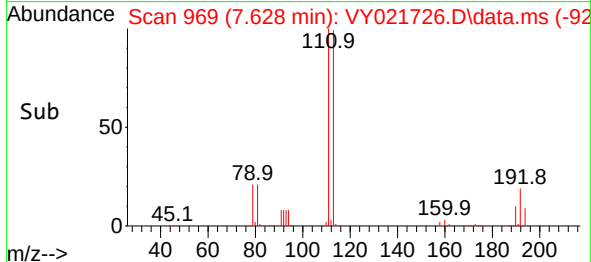
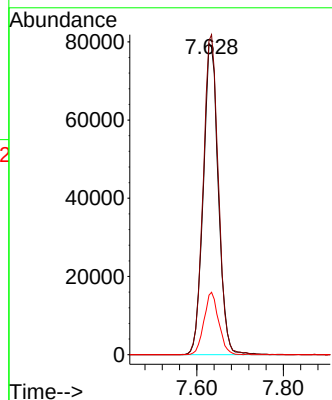
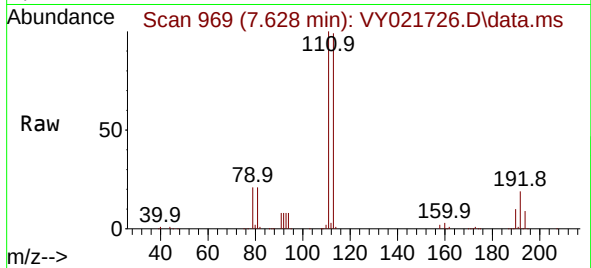




#35
Dibromofluoromethane
Concen: 51.540 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

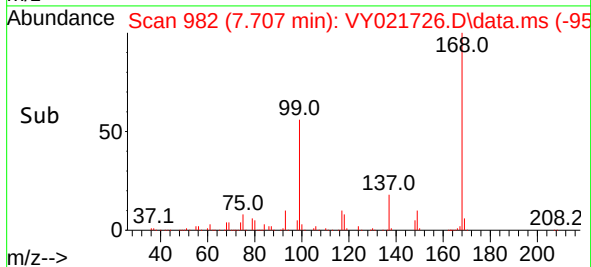
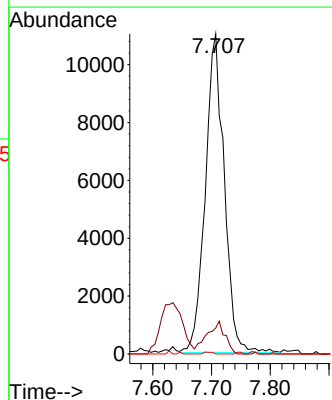
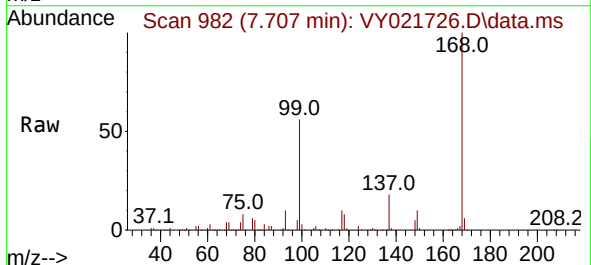
Instrument :
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TP-8-VOC

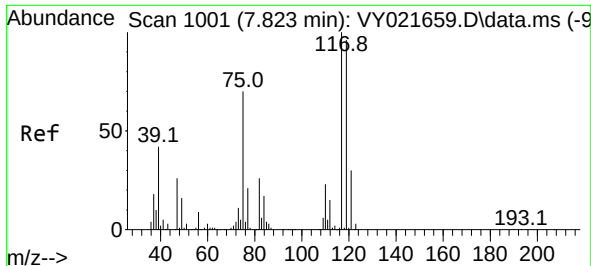
Tgt Ion:113 Resp: 191843
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.333 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

Tgt Ion: 75 Resp: 24565
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.8 37.2#

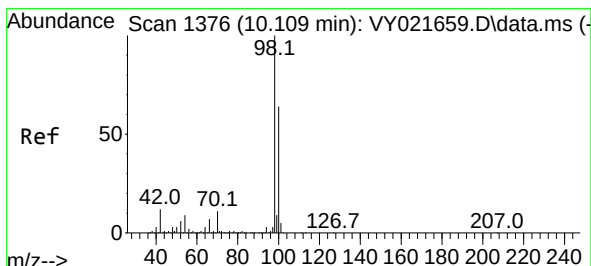
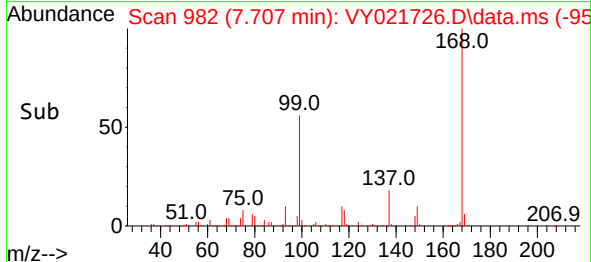
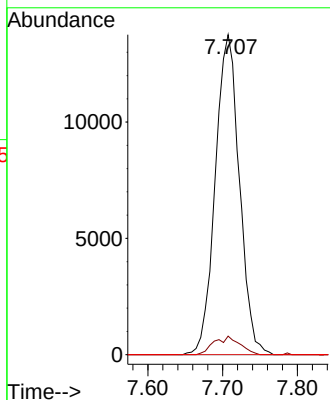
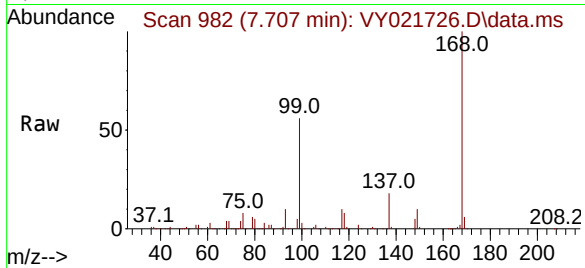




#38
Carbon Tetrachloride
Concen: 4.763 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

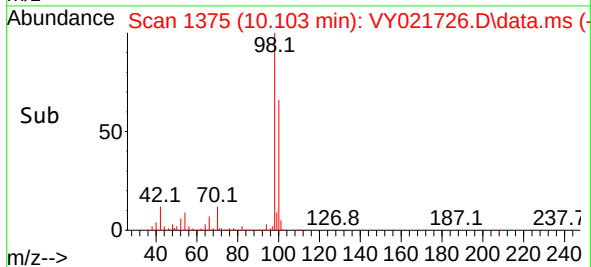
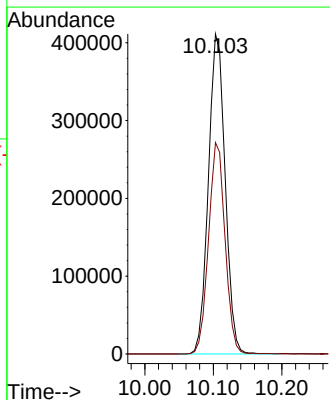
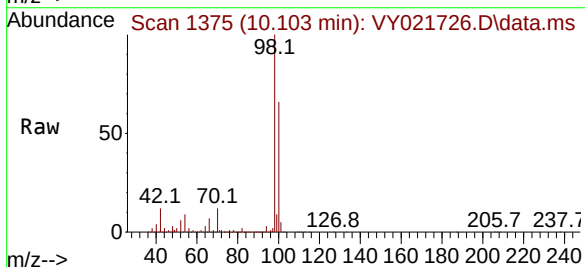
Instrument :
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TP-8-VOC

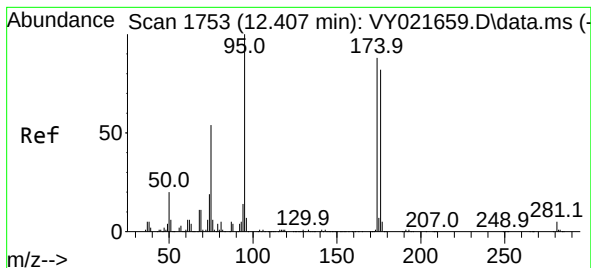
Tgt Ion:117 Resp: 30928
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.359 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

Tgt Ion: 98 Resp: 698940
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

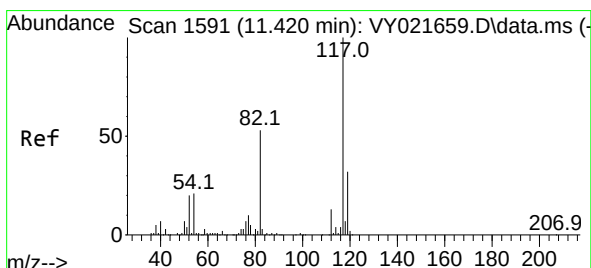
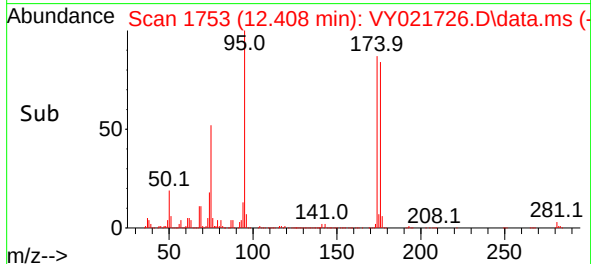
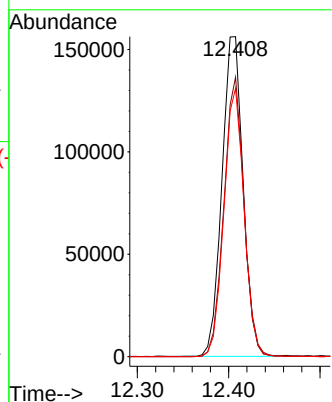
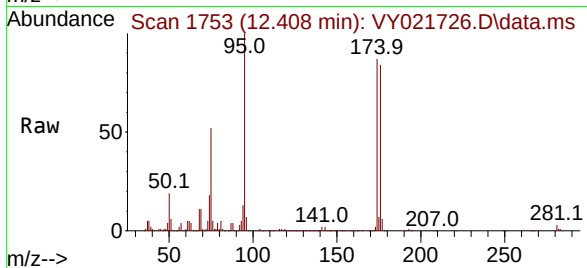




#62
4-Bromofluorobenzene
Concen: 52.512 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

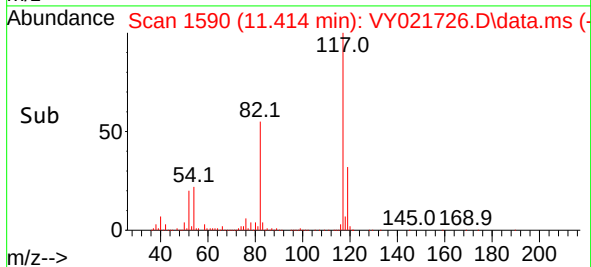
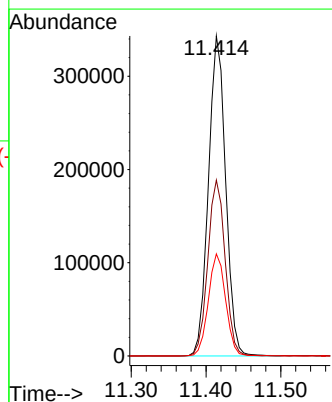
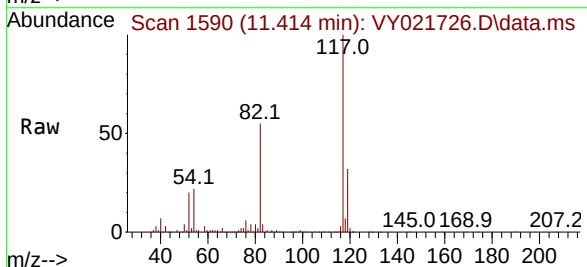
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

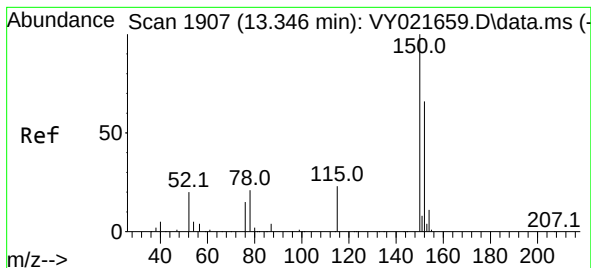
Tgt Ion: 95 Resp: 251517
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 80.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021726.D
Acq: 31 Mar 2025 17:45

Tgt Ion: 117 Resp: 549019
Ion Ratio Lower Upper
117 100
82 55.0 42.8 64.2
119 31.9 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: VY021726.D

Acq: 31 Mar 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

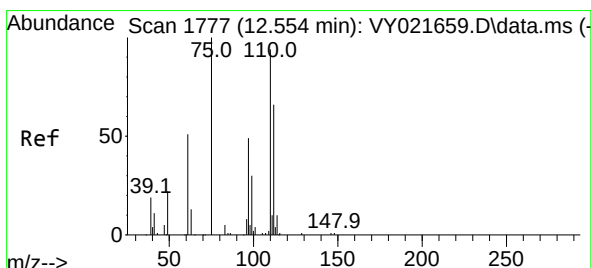
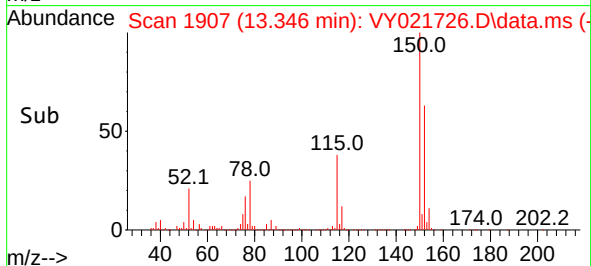
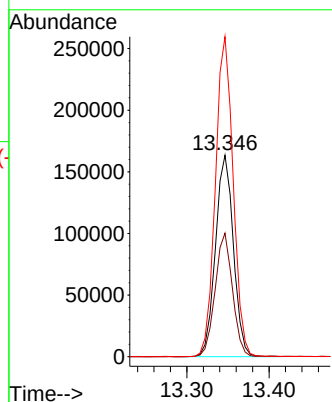
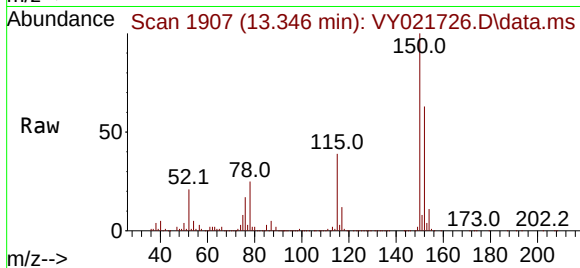
Tgt Ion:152 Resp: 247906

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 157.2 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 54.137 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY021726.D

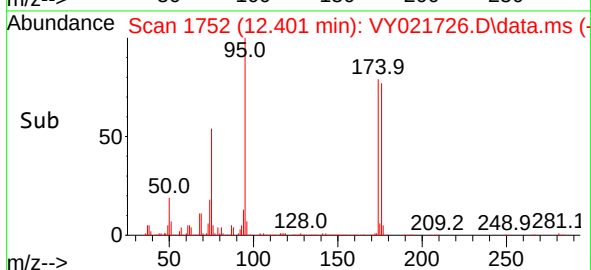
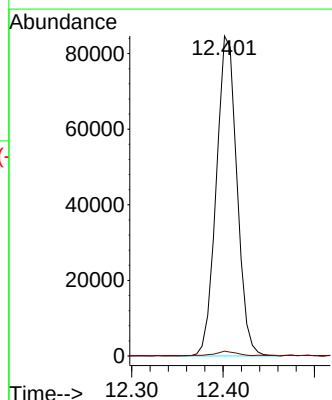
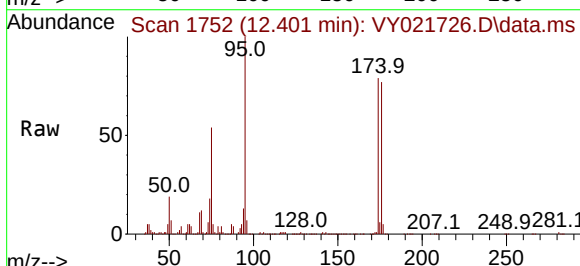
Acq: 31 Mar 2025 17:45

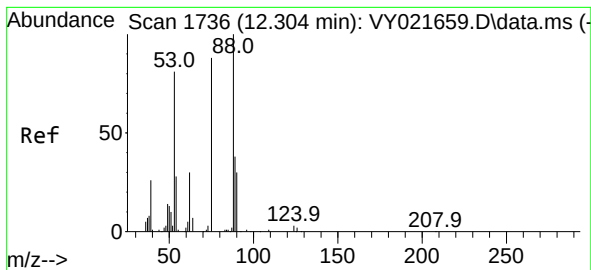
Tgt Ion: 75 Resp: 133036

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.741 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY021726.D
 Acq: 31 Mar 2025 17:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8-VOC

Tgt Ion: 75 Resp: 133036
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.1 36.2 54.4#

