

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021694.D
 Acq On : 28 Mar 2025 16:01
 Operator : SY/MD
 Sample : Q1662-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-VOC

Quant Time: Mar 28 23:45:08 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)

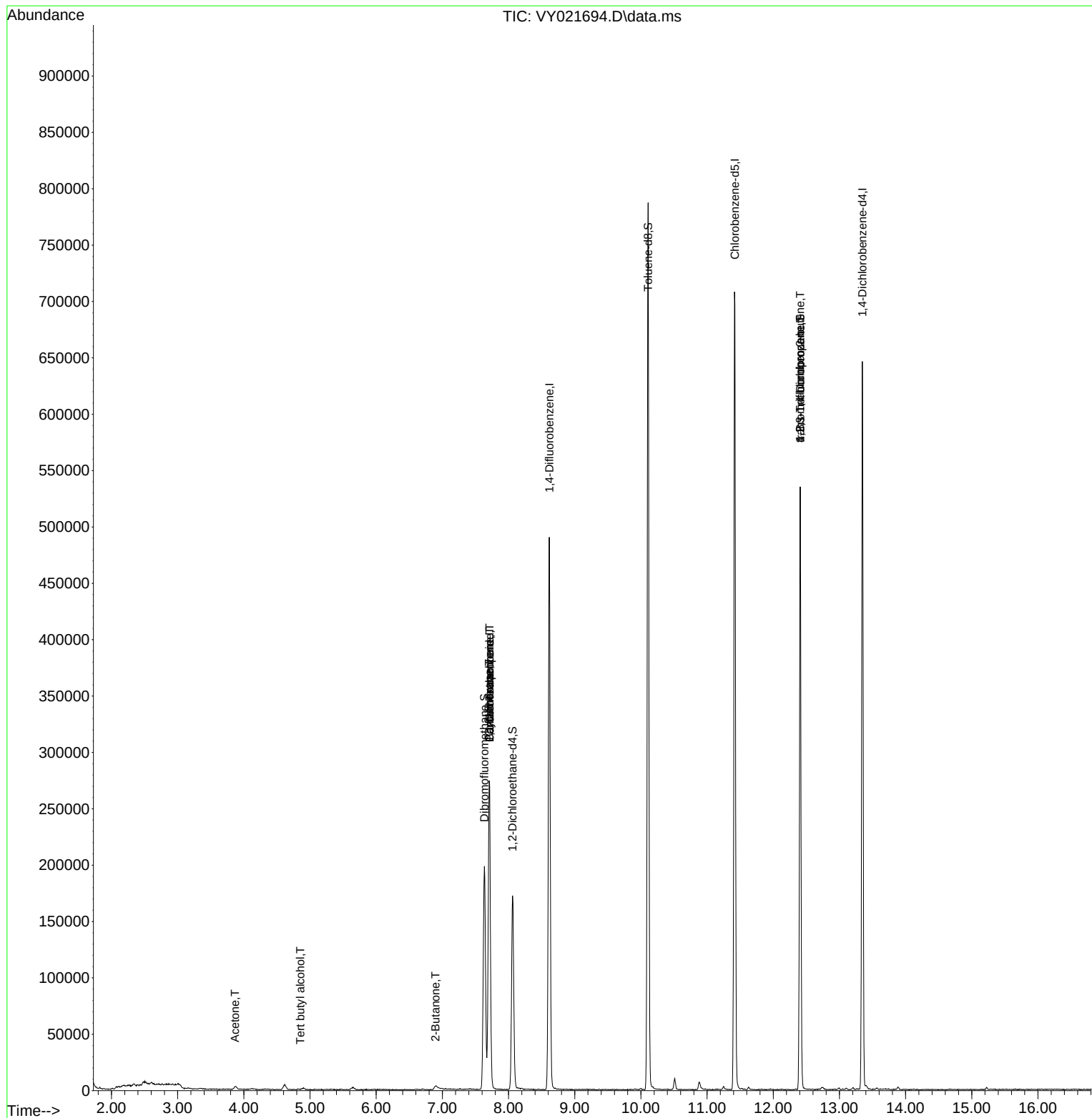
Internal Standards						
1) Pentafluorobenzene	7.713	168	206646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	400032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	373563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139483	62.298	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.600%
35) Dibromofluoromethane	7.634	113	137831	53.115	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.240%
50) Toluene-d8	10.109	98	492304	49.869	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.408	95	154966	46.409	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	603	4.146	ug/l #	70
16) Acetone	3.866	43	4895	10.683	ug/l	98
20) Methylene Chloride	4.616	84	2822	Below Cal	#	92
25) 2-Butanone	6.896	43	1177	1.798	ug/l	96
31) Cyclohexane	7.707	56	4702	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	17623	4.459	ug/l #	51
38) Carbon Tetrachloride	7.713	117	21204	4.684	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	81546	53.191	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	81546	122.561	ug/l #	11

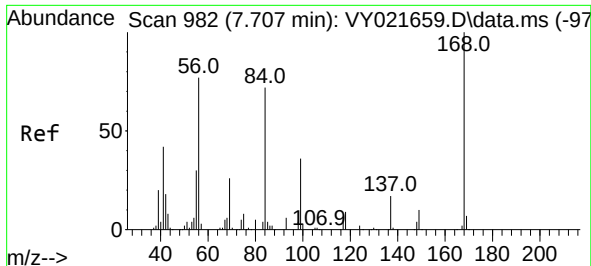
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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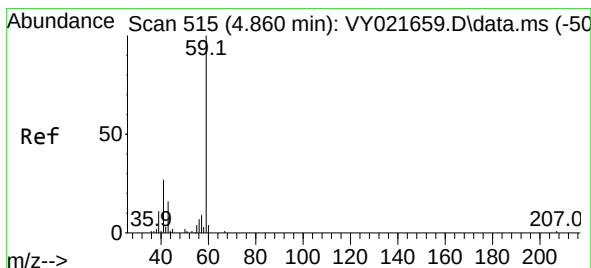
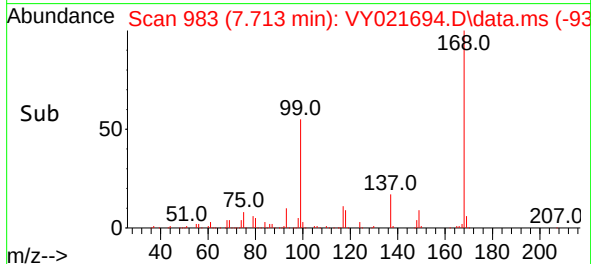
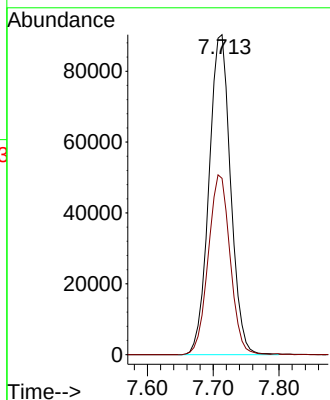
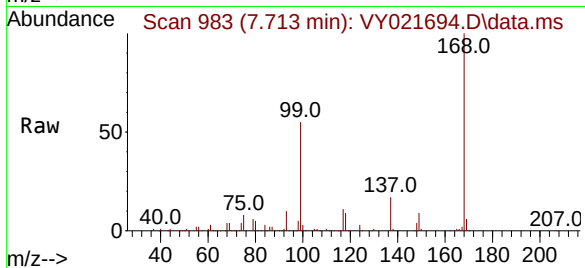




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

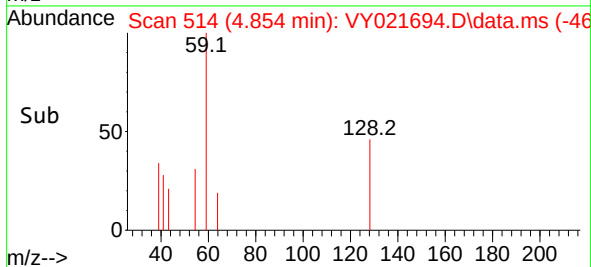
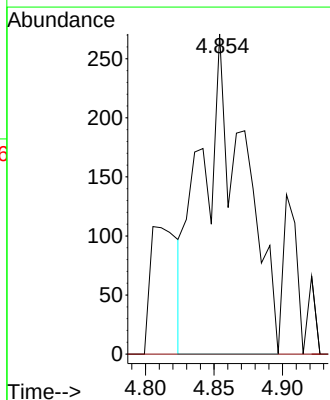
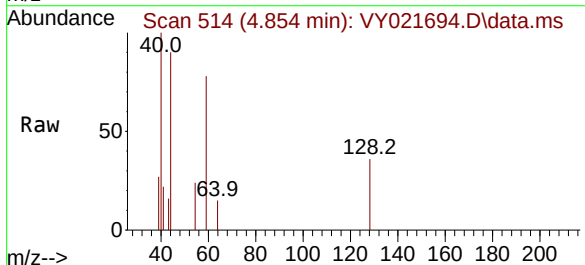
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

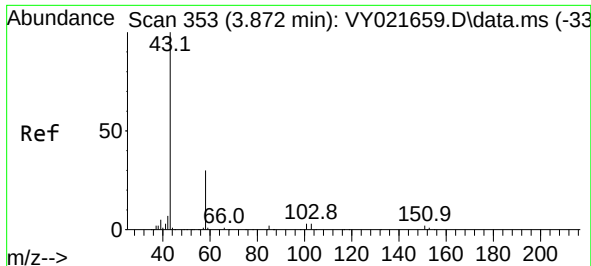
Tgt Ion:168 Resp: 206646
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1



#11
Tert butyl alcohol
Concen: 4.146 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

Tgt Ion: 59 Resp: 603
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

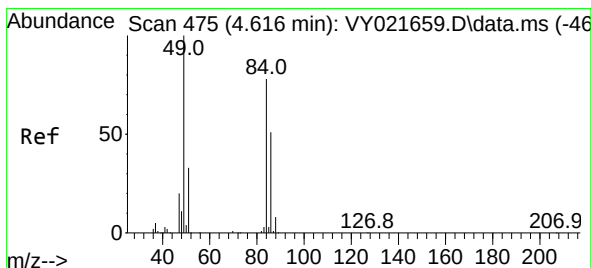
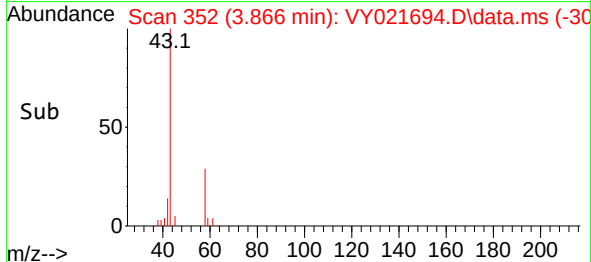
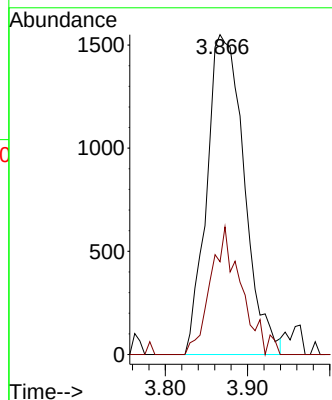
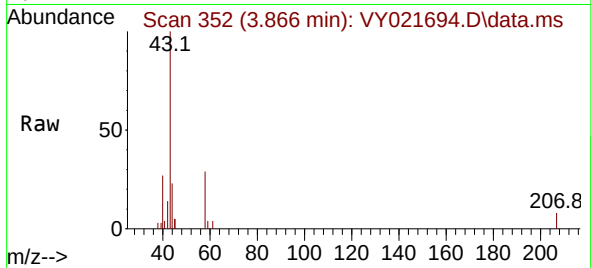




#16
Acetone
Concen: 10.683 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

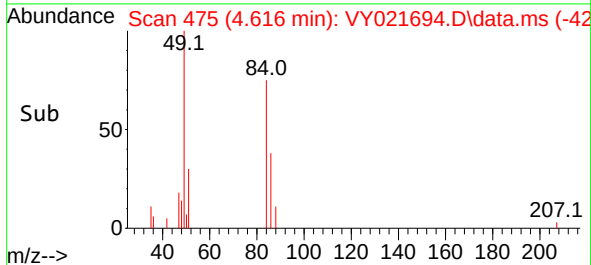
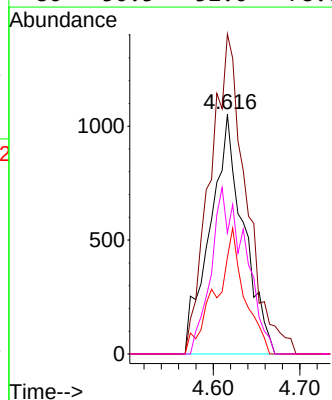
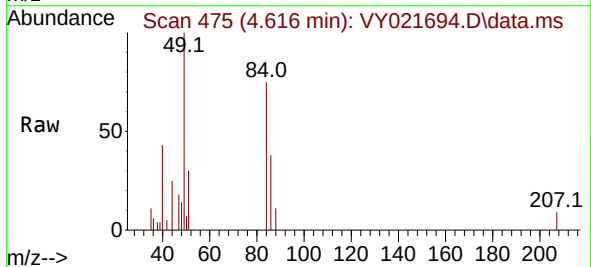
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

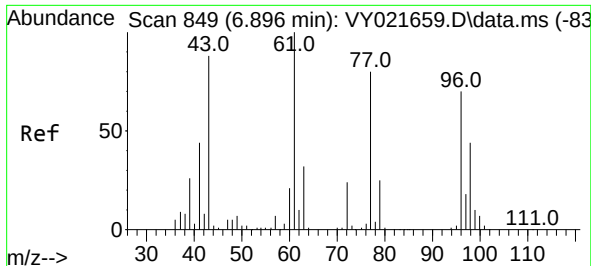
Tgt Ion: 43 Resp: 4895
Ion Ratio Lower Upper
43 100
58 29.0 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

Tgt Ion: 84 Resp: 2822
Ion Ratio Lower Upper
84 100
49 133.6 102.8 154.2
51 40.3 33.5 50.3
86 50.5 52.0 78.0#





#25

2-Butanone

Concen: 1.798 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021694.D

Acq: 28 Mar 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

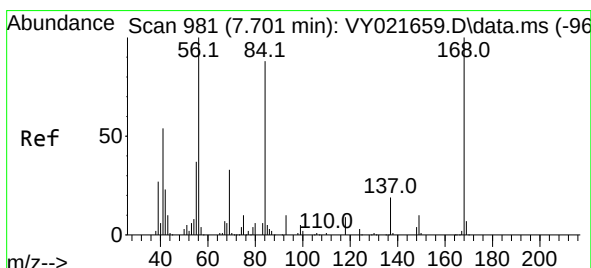
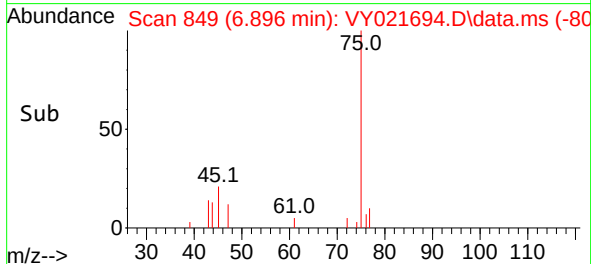
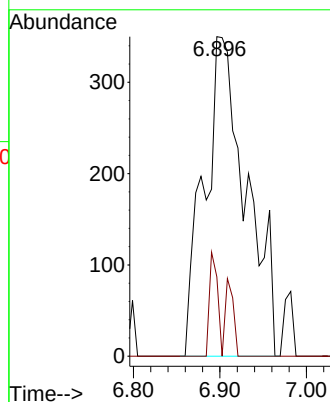
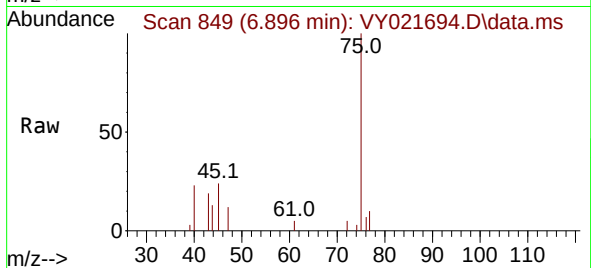
TP-6-VOC

Tgt Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

72 24.9 21.4 32.2



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021694.D

Acq: 28 Mar 2025 16:01

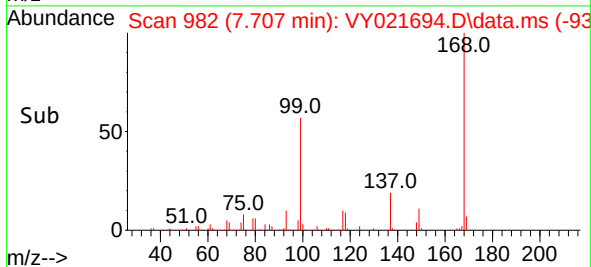
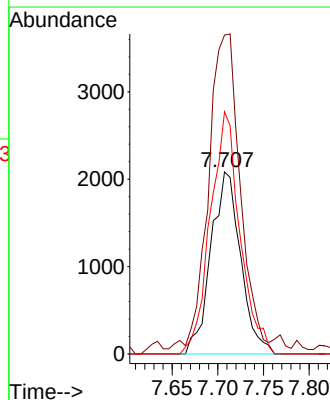
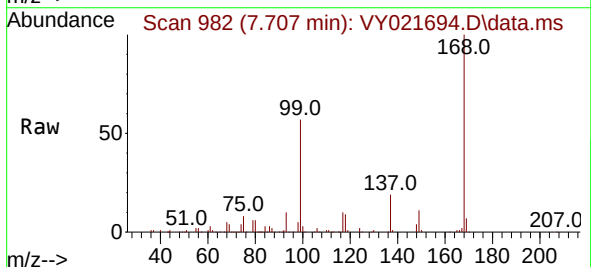
Tgt Ion: 56 Resp: 4702

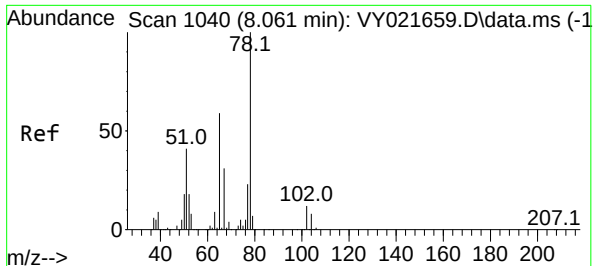
Ion Ratio Lower Upper

56 100

69 167.8 26.6 40.0#

84 133.1 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 62.298 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021694.D

Acq: 28 Mar 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

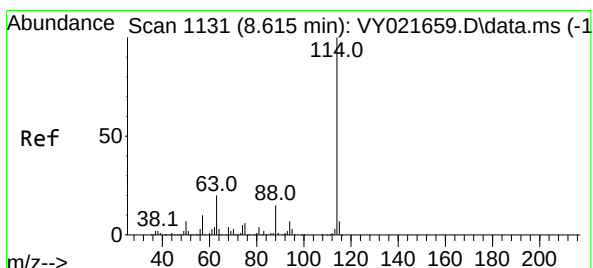
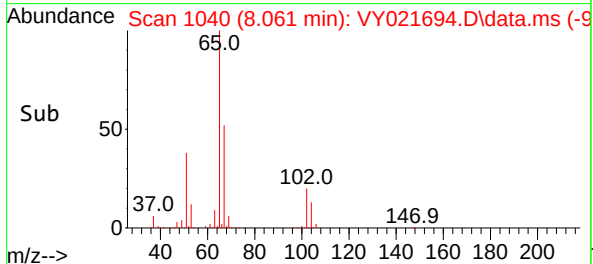
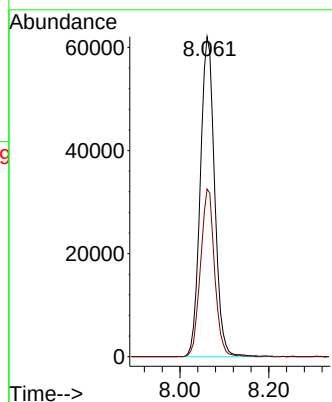
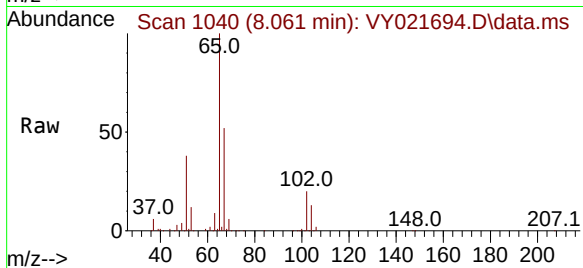
TP-6-VOC

Tgt Ion: 65 Resp: 139483

Ion Ratio Lower Upper

65 100

67 51.7 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: VY021694.D

Acq: 28 Mar 2025 16:01

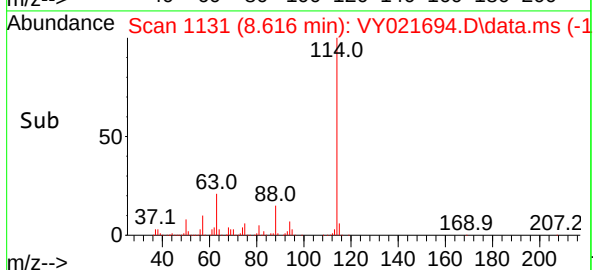
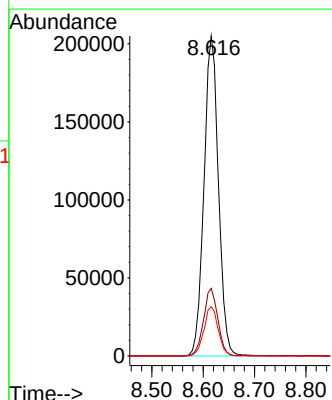
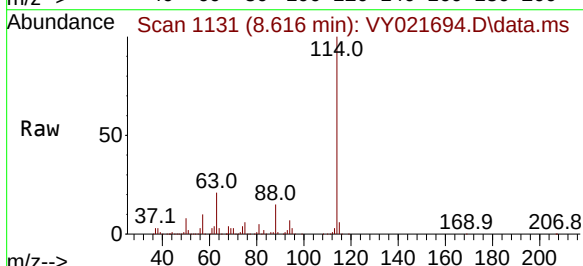
Tgt Ion: 114 Resp: 400032

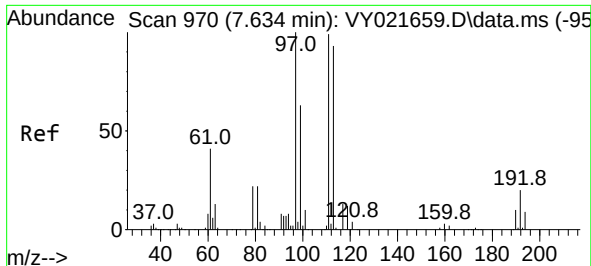
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 15.4 0.0 29.8

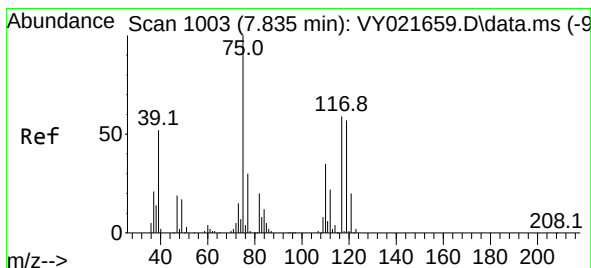
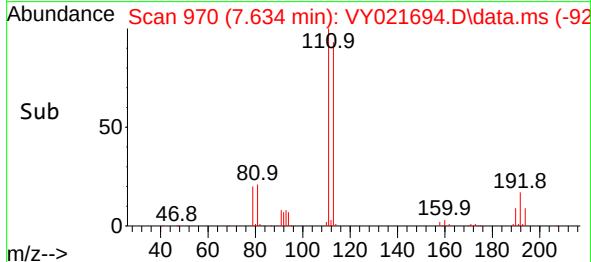
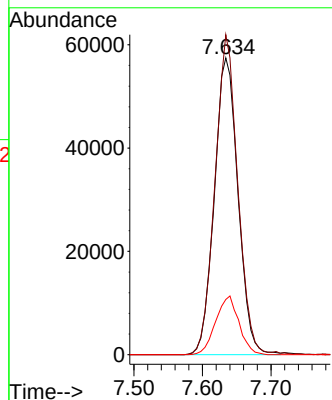
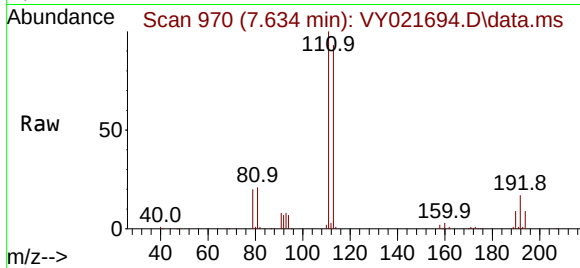




#35
Dibromofluoromethane
Concen: 53.115 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

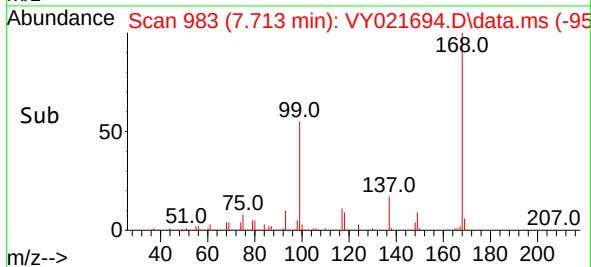
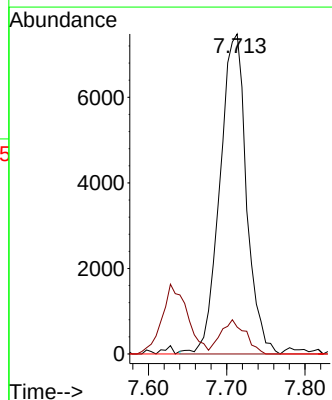
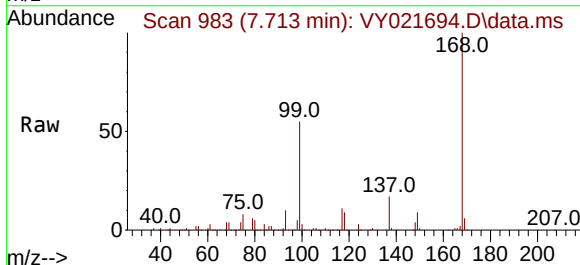
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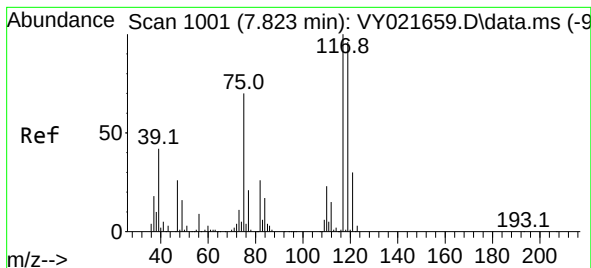
Tgt Ion:113 Resp: 137831
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

Tgt Ion: 75 Resp: 17623
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.684 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021694.D

Acq: 28 Mar 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-VOC

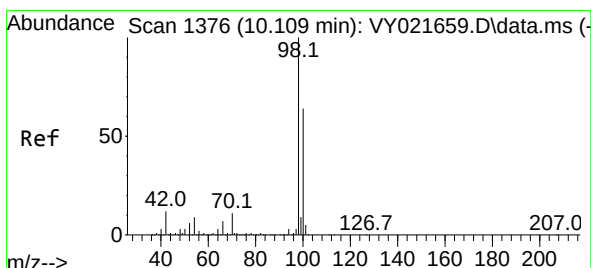
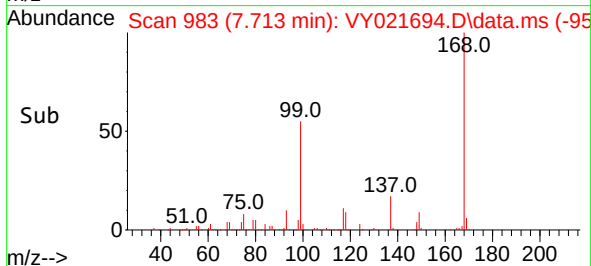
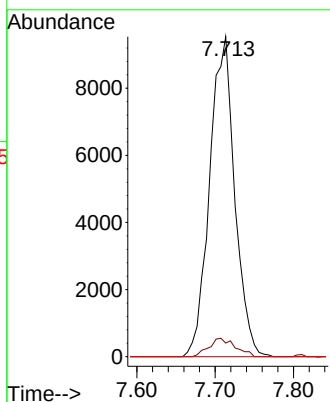
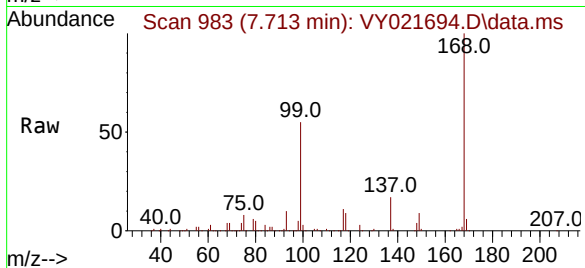
Tgt Ion:117 Resp: 21204

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 49.869 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021694.D

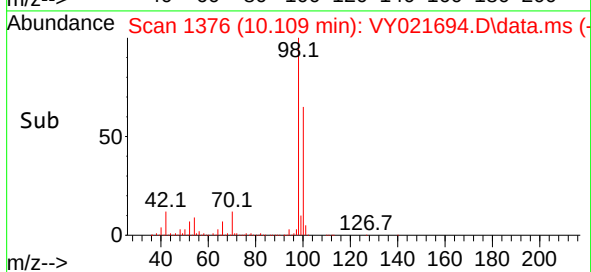
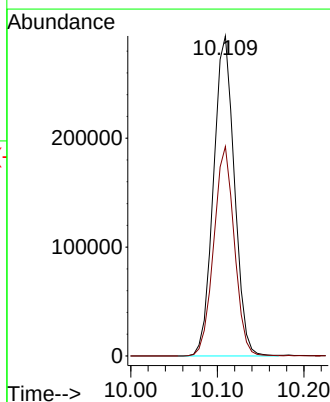
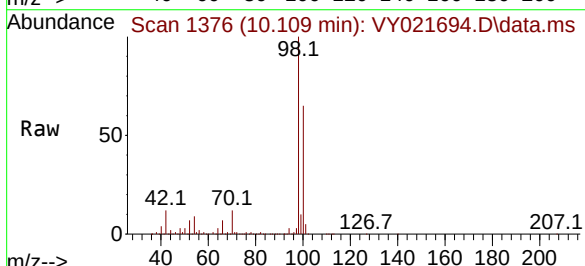
Acq: 28 Mar 2025 16:01

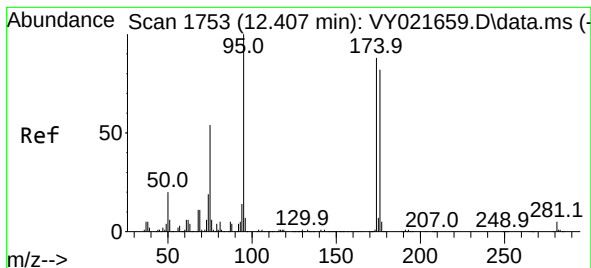
Tgt Ion: 98 Resp: 492304

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

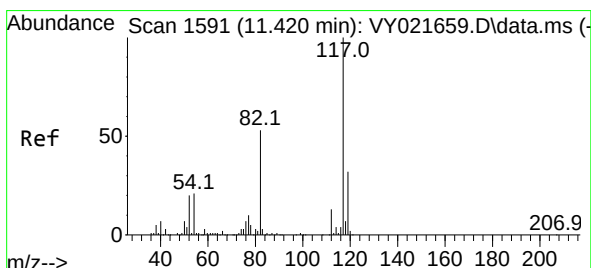
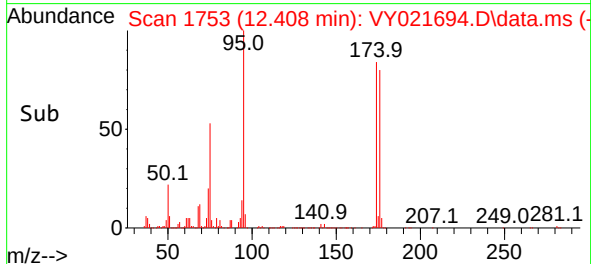
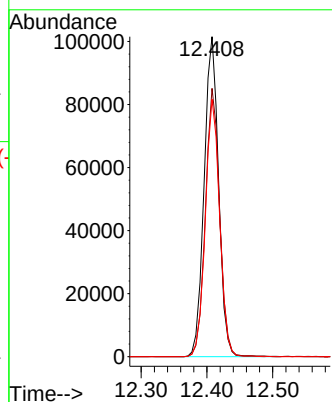
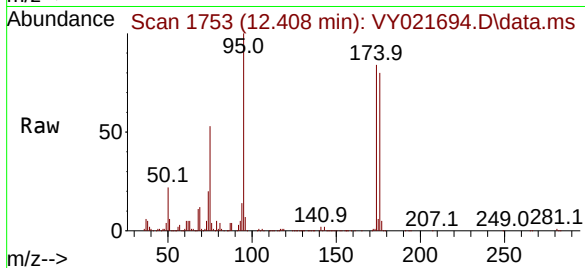




#62
4-Bromofluorobenzene
Concen: 46.409 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

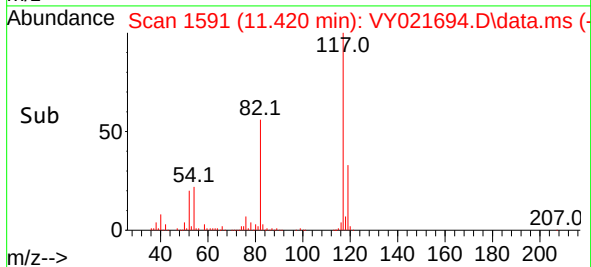
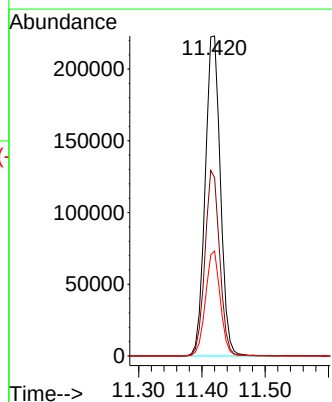
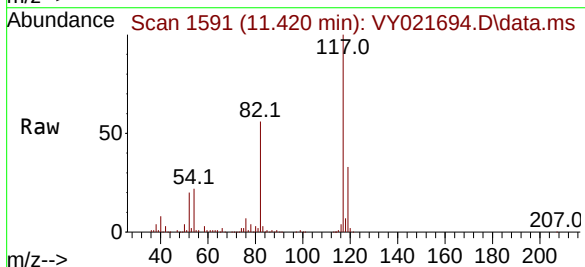
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

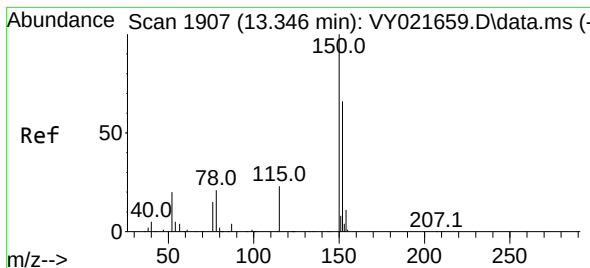
Tgt Ion: 95 Resp: 154966
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 79.5 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021694.D
Acq: 28 Mar 2025 16:01

Tgt Ion: 117 Resp: 373563
Ion Ratio Lower Upper
117 100
82 55.8 42.8 64.2
119 32.8 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: VY021694.D

Acq: 28 Mar 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-VOC

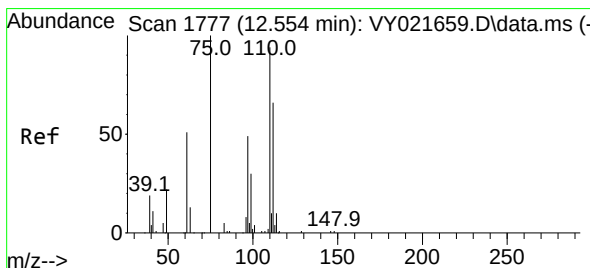
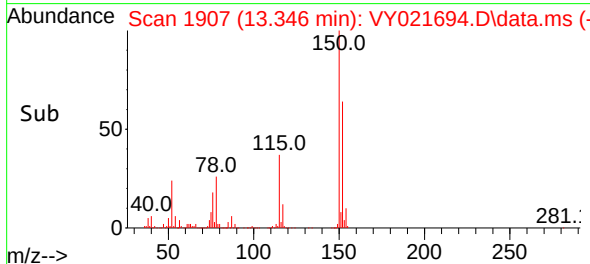
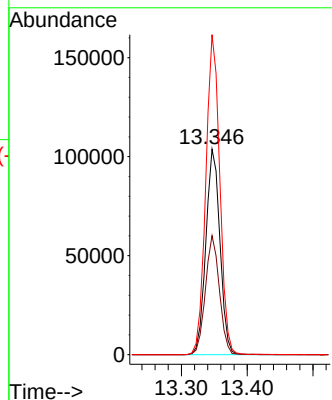
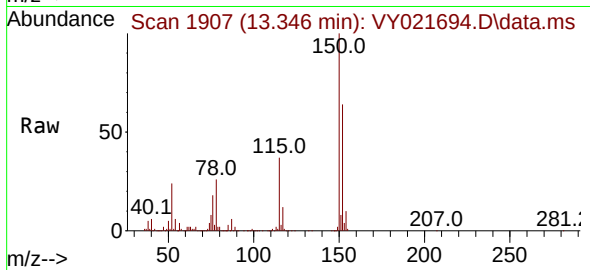
Tgt Ion:152 Resp: 154660

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 154.5 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 53.191 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021694.D

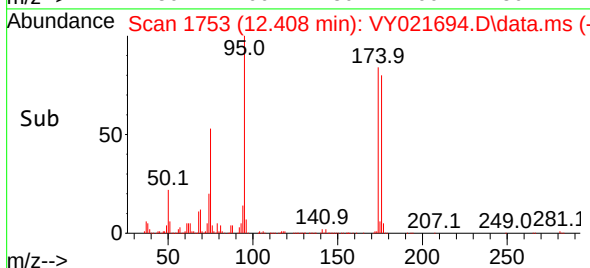
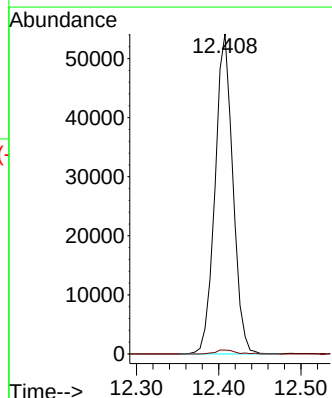
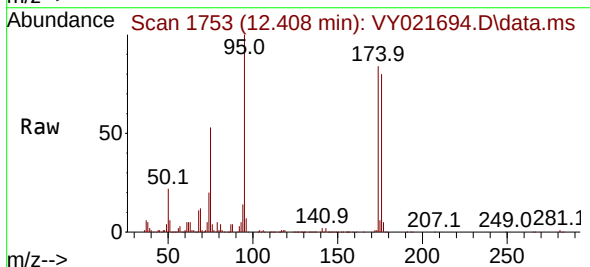
Acq: 28 Mar 2025 16:01

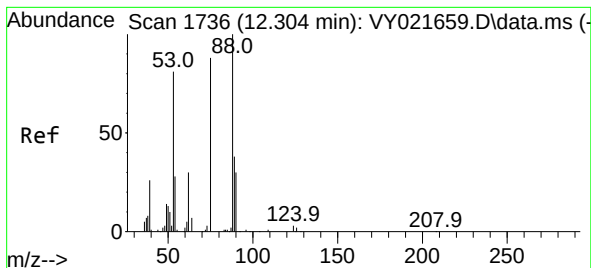
Tgt Ion: 75 Resp: 81546

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.561 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021694.D
 Acq: 28 Mar 2025 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-VOC

Tgt Ion: 75 Resp: 81546
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.2 54.4#

