

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022334.D
 Acq On : 20 May 2025 11:51
 Operator : SY/MD
 Sample : Q2062-23
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC

Quant Time: May 21 01:46:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

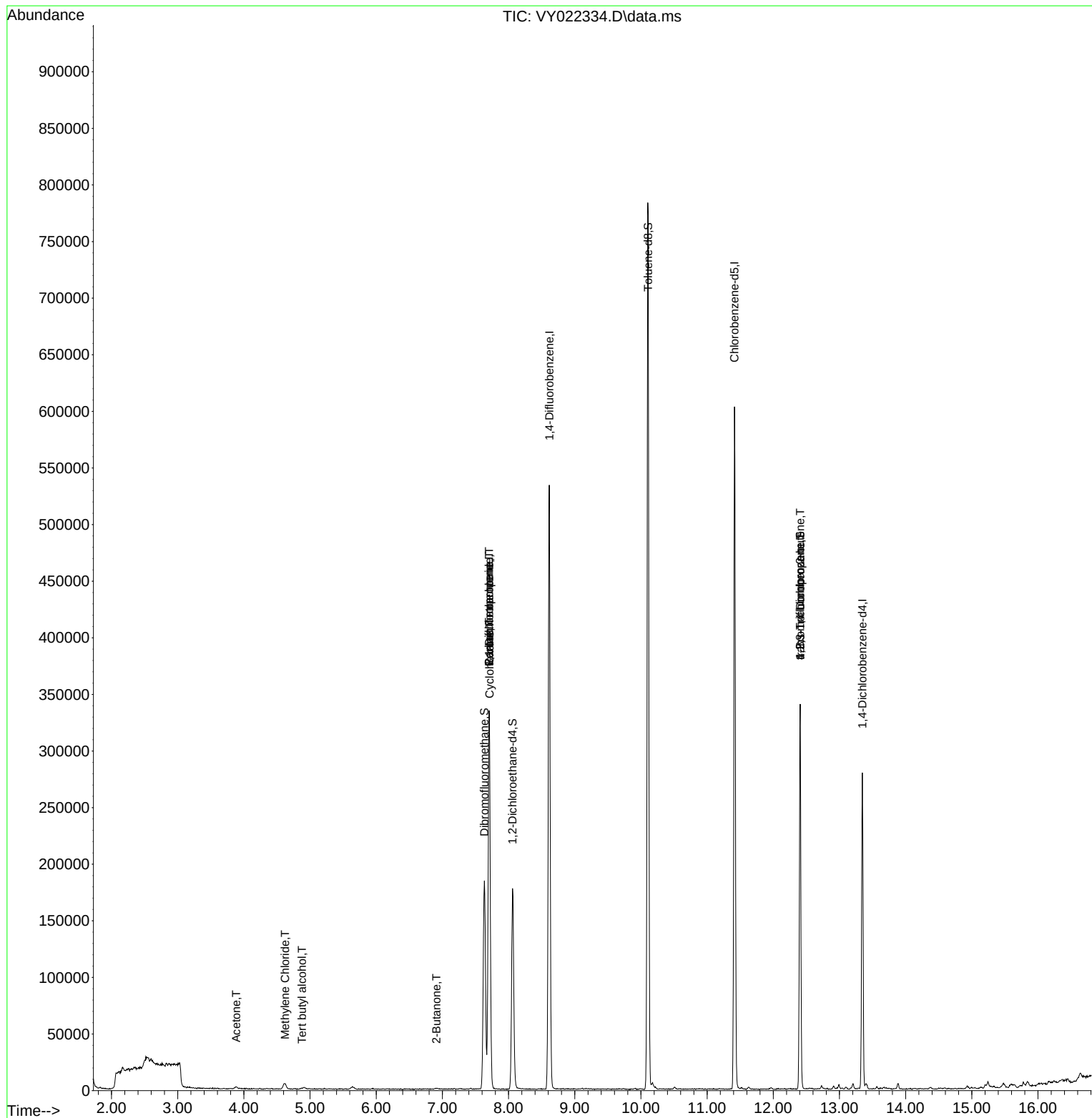
Internal Standards						
1) Pentafluorobenzene	7.707	168	248905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	435521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130118	47.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.660%
35) Dibromofluoromethane	7.634	113	128461	49.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.840%
50) Toluene-d8	10.109	98	495212	46.515	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.040%
62) 4-Bromofluorobenzene	12.407	95	93569	27.728	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.878	59	219	1.054	ug/l #	100
16) Acetone	3.884	43	3331	6.530	ug/l	98
20) Methylene Chloride	4.622	84	3486	1.058	ug/l #	81
25) 2-Butanone	6.908	43	1195	1.401	ug/l #	77
31) Cyclohexane	7.713	56	6824	1.240	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	21878	5.110	ug/l #	50
38) Carbon Tetrachloride	7.707	117	25623	5.781	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	54086	83.522	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	54086	169.194	ug/l #	12

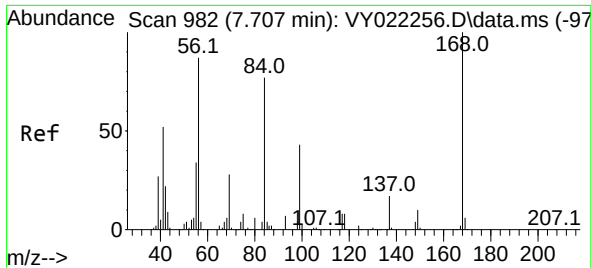
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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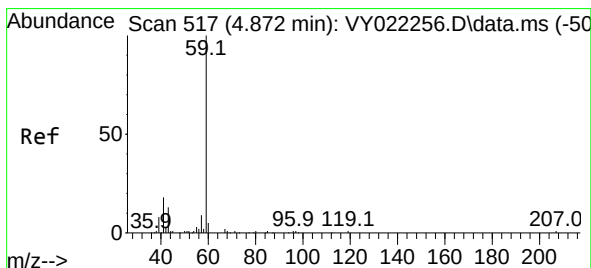
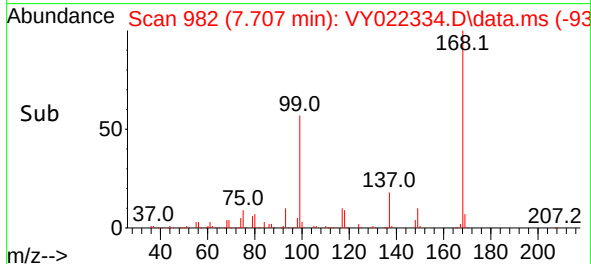
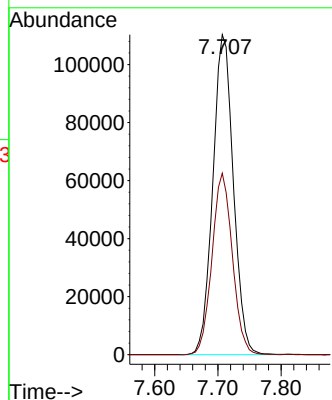
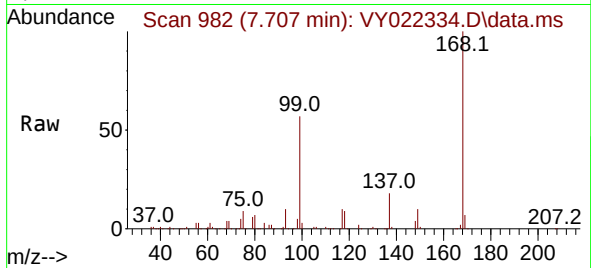




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

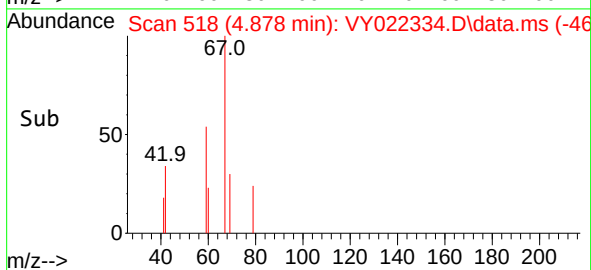
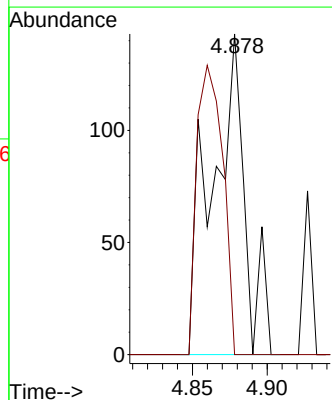
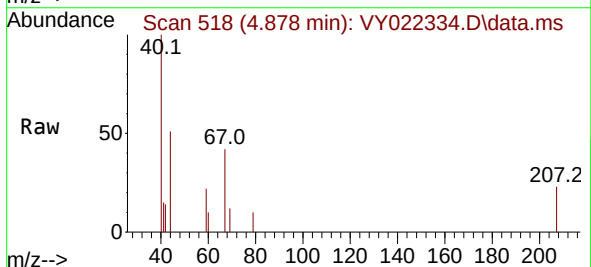
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

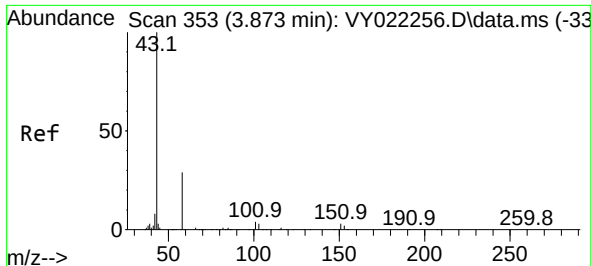
Tgt Ion:168 Resp: 248905
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.054 ug/l
RT: 4.878 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 59 Resp: 219
Ion Ratio Lower Upper
59 100
57 71.2 0.0 0.0#

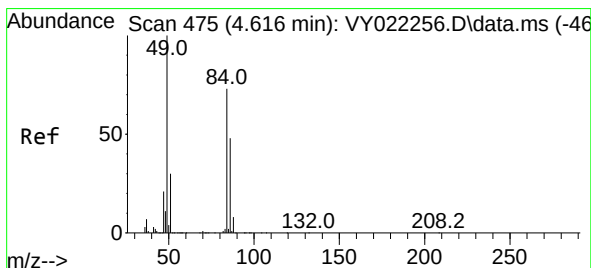
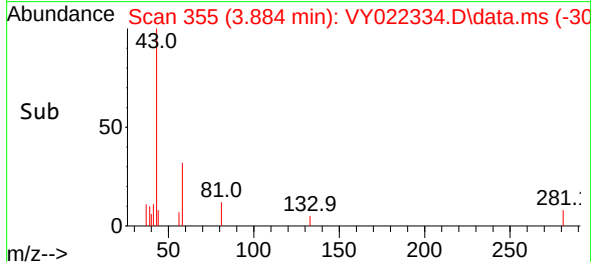
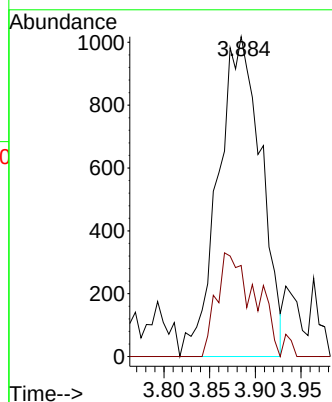
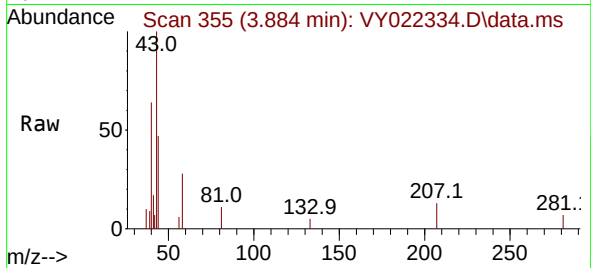




#16
Acetone
Concen: 6.530 ug/l
RT: 3.884 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

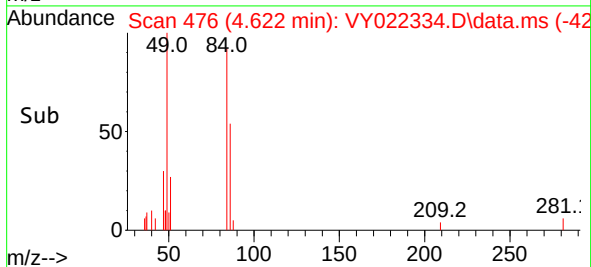
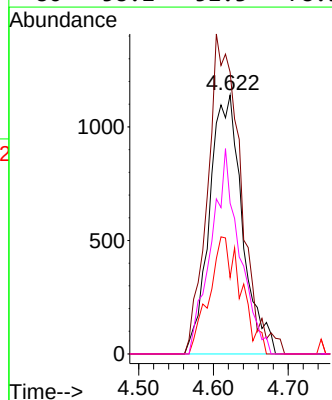
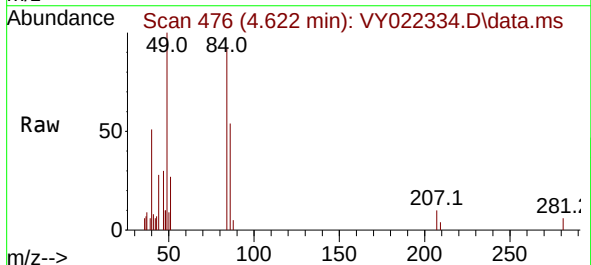
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

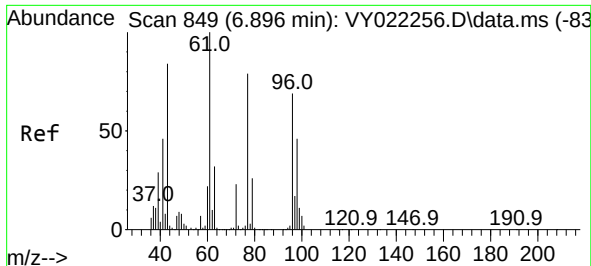
Tgt Ion: 43 Resp: 3331
Ion Ratio Lower Upper
43 100
58 28.5 23.6 35.4



#20
Methylene Chloride
Concen: 1.058 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 84 Resp: 3486
Ion Ratio Lower Upper
84 100
49 108.9 109.6 164.4#
51 29.6 32.4 48.6#
86 58.2 52.3 78.5

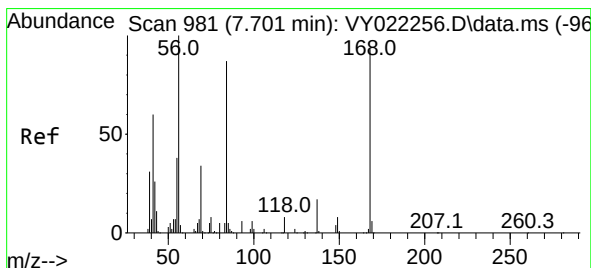
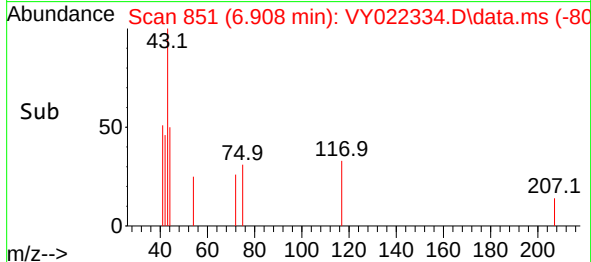
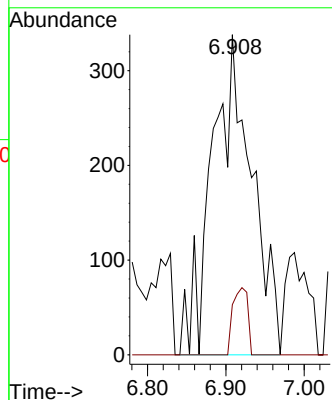
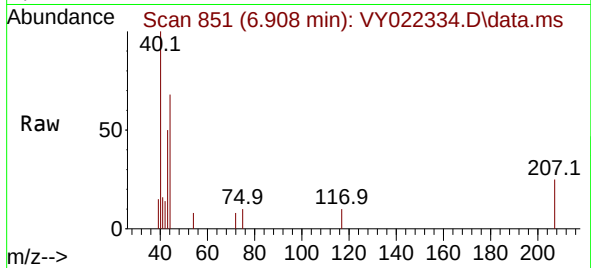




#25
2-Butanone
Concen: 1.401 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

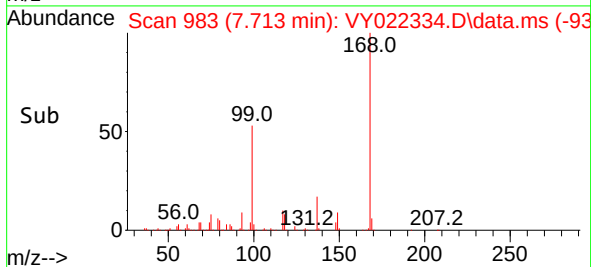
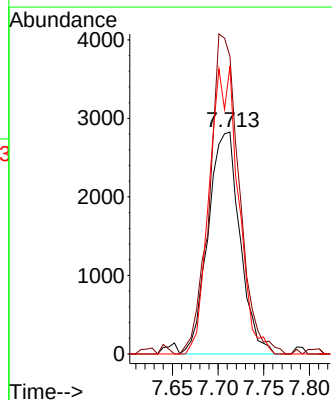
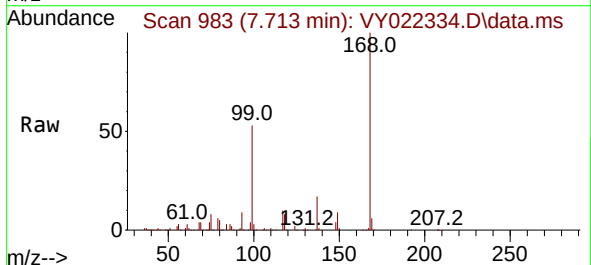
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

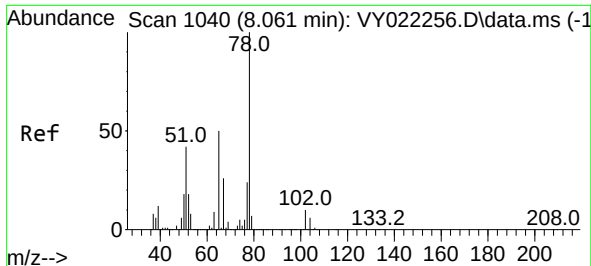
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
72 15.7 22.1 33.1#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 56 Resp: 6824
Ion Ratio Lower Upper
56 100
69 134.1 27.4 41.2#
84 129.7 70.0 105.0#

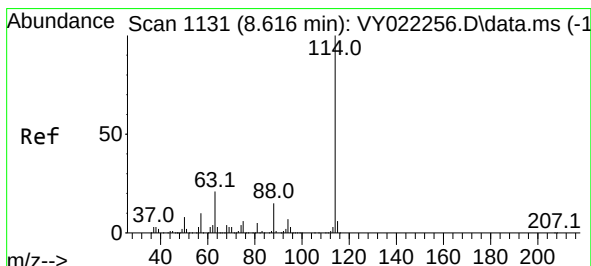
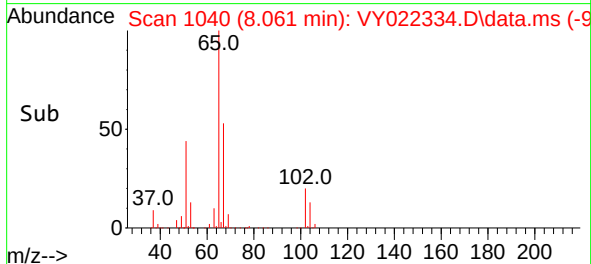
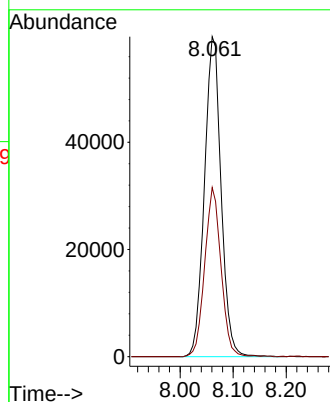
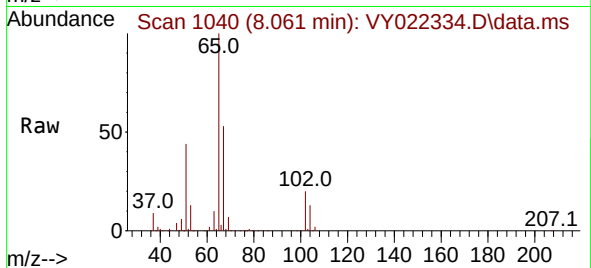




#33
 1,2-Dichloroethane-d4
 Concen: 47.832 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. -0.000 min
 Lab File: VY022334.D
 Acq: 20 May 2025 11:51

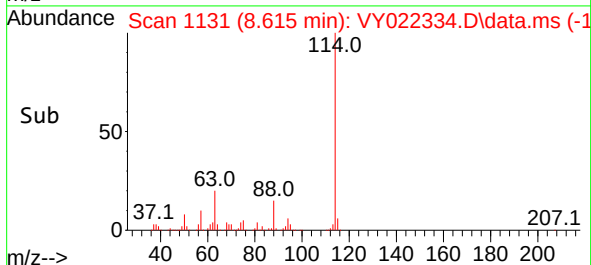
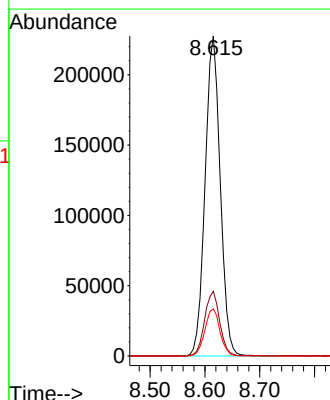
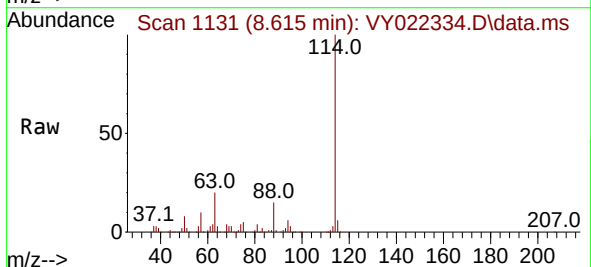
Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC

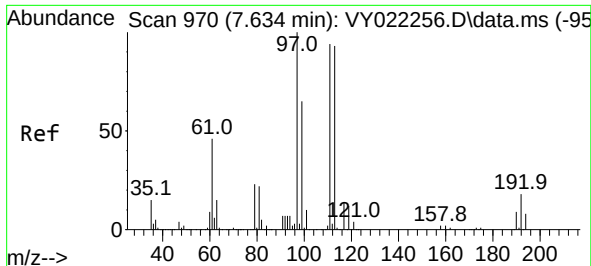
Tgt Ion: 65 Resp: 130118
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022334.D
 Acq: 20 May 2025 11:51

Tgt Ion: 114 Resp: 435521
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.0
 88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.419 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022334.D

Acq: 20 May 2025 11:51

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-6-VOC

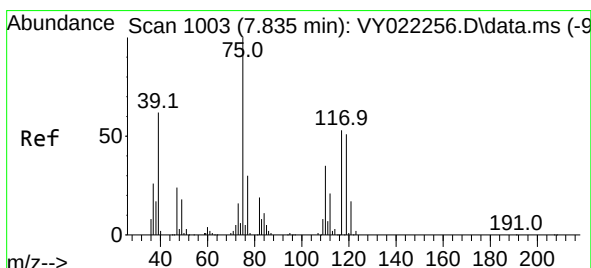
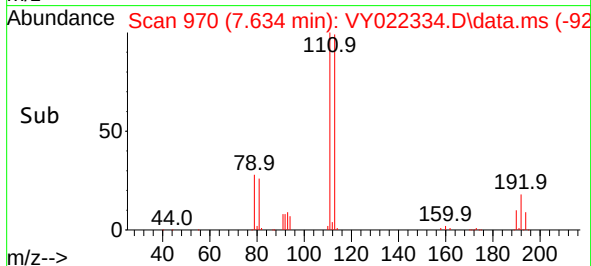
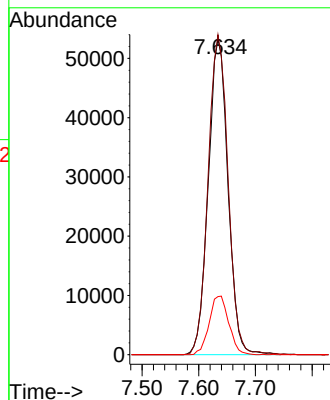
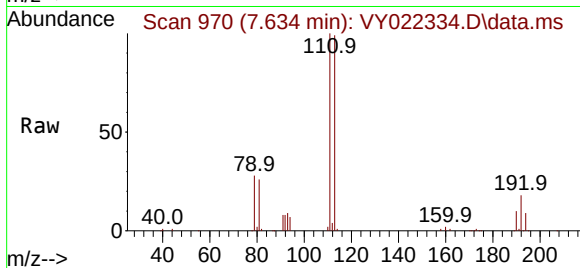
Tgt Ion:113 Resp: 128461

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 18.4 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022334.D

Acq: 20 May 2025 11:51

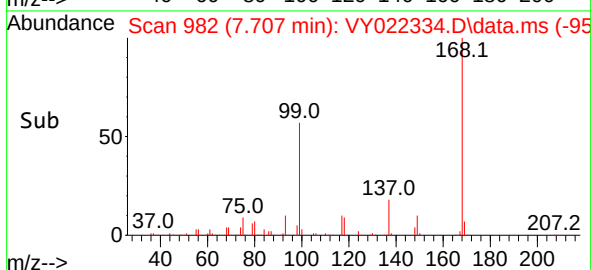
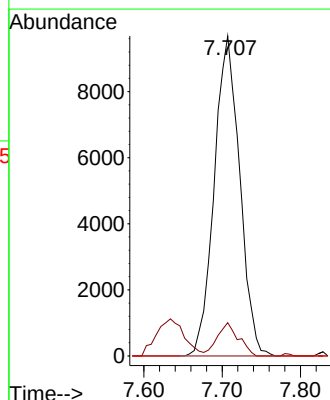
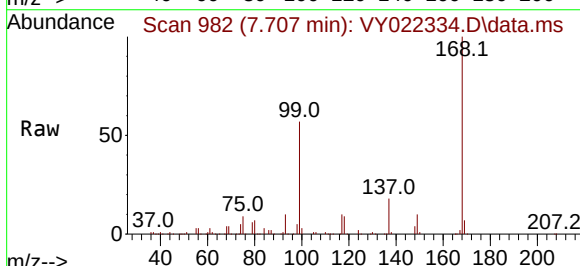
Tgt Ion: 75 Resp: 21878

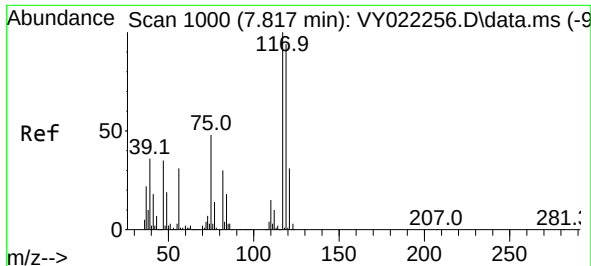
Ion Ratio Lower Upper

75 100

110 8.6 16.6 49.8#

77 0.0 24.6 37.0#

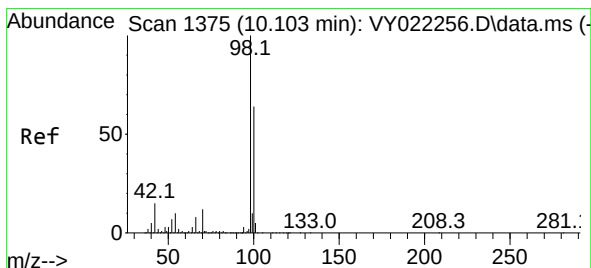
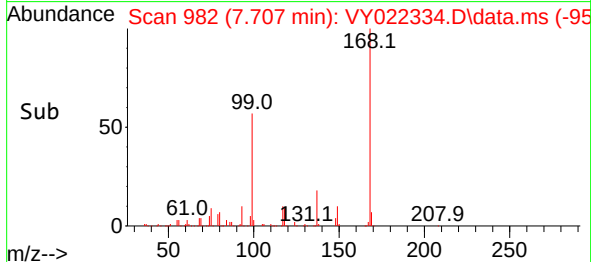
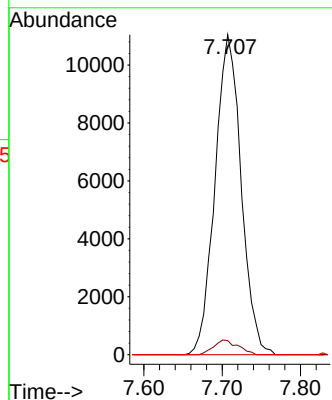
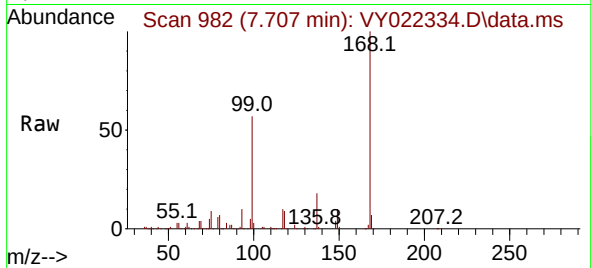




#38
Carbon Tetrachloride
Concen: 5.781 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

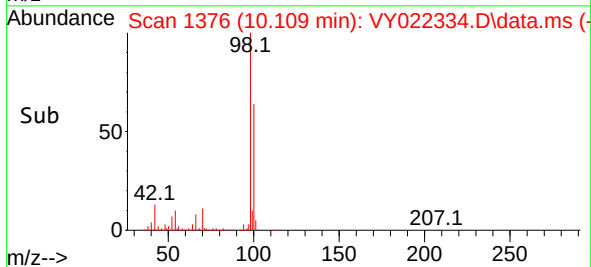
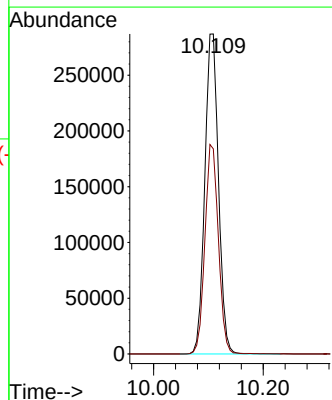
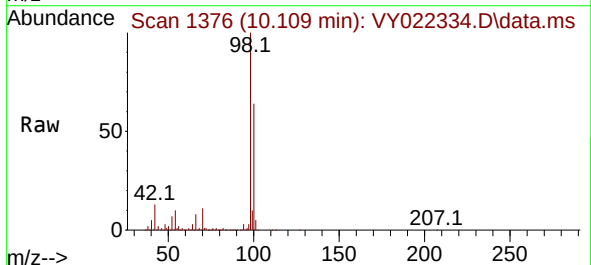
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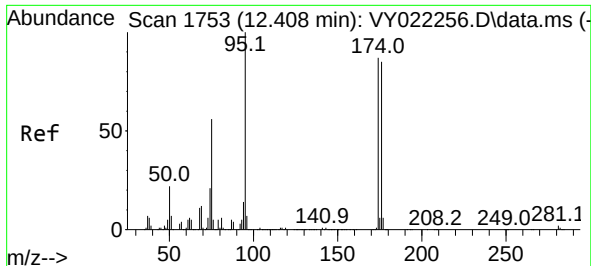
Tgt Ion:117 Resp: 25623
Ion Ratio Lower Upper
117 100
119 4.4 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 46.515 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 98 Resp: 495212
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8

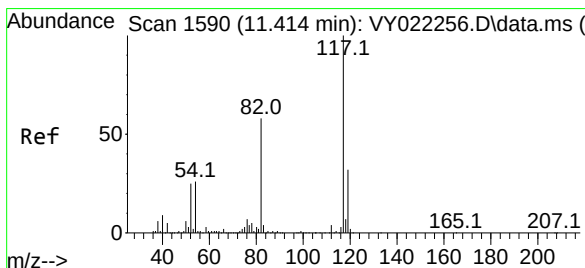
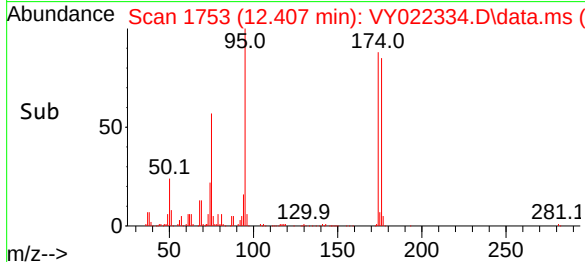
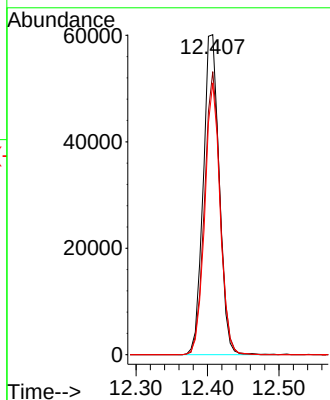
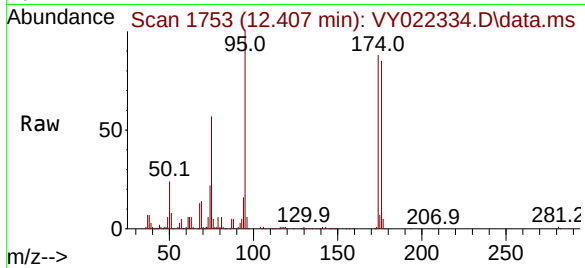




#62
4-Bromofluorobenzene
Concen: 27.728 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

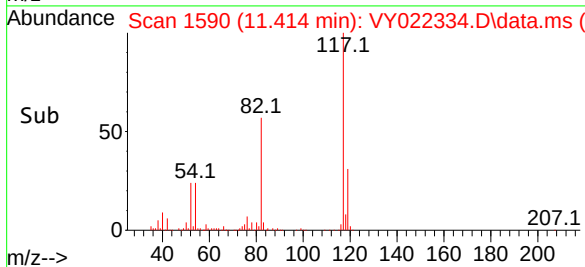
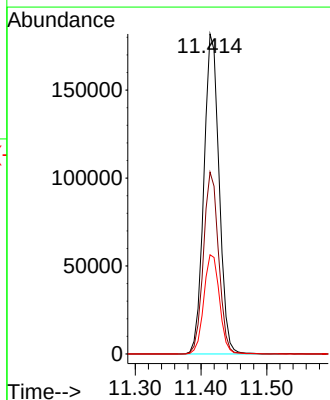
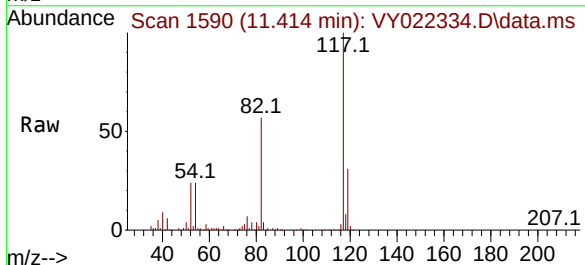
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

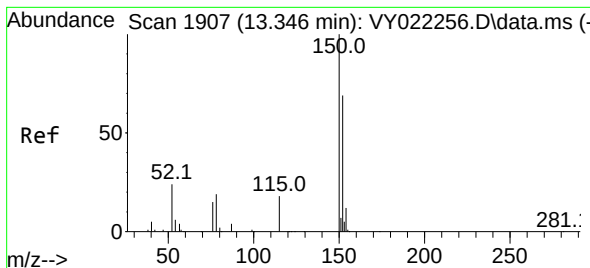
Tgt Ion: 95 Resp: 93569
Ion Ratio Lower Upper
95 100
174 86.6 0.0 166.8
176 81.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 117 Resp: 293106
Ion Ratio Lower Upper
117 100
82 56.8 46.6 70.0
119 31.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022334.D

Acq: 20 May 2025 11:51

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-6-VOC

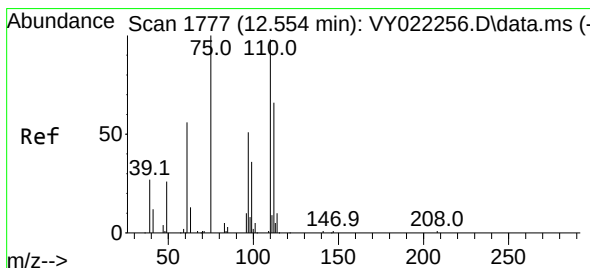
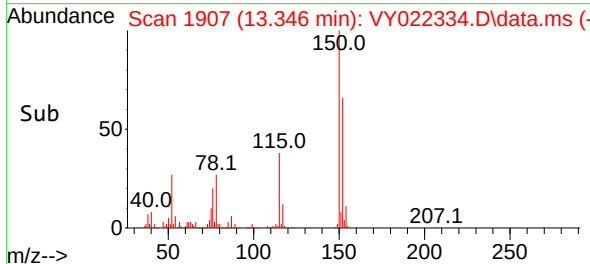
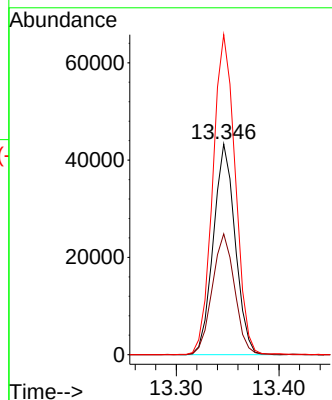
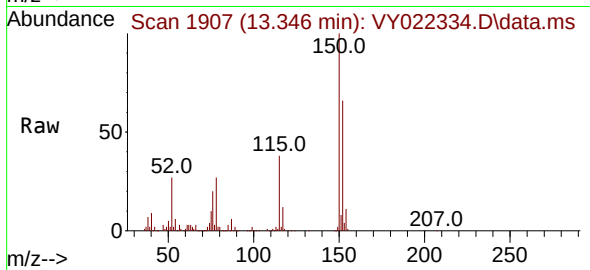
Tgt Ion:152 Resp: 63919

Ion Ratio Lower Upper

152 100

115 58.7 29.4 88.2

150 156.7 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 83.522 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022334.D

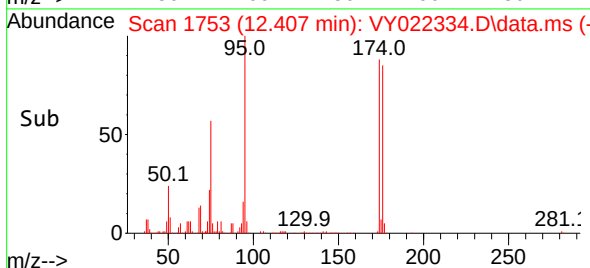
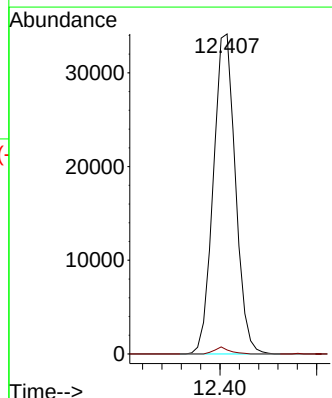
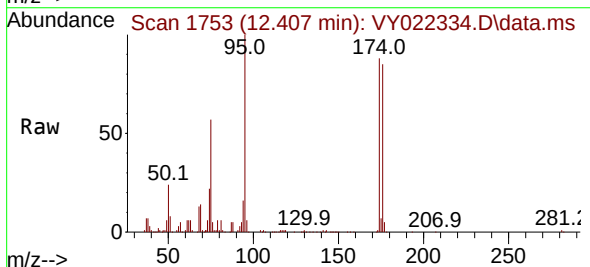
Acq: 20 May 2025 11:51

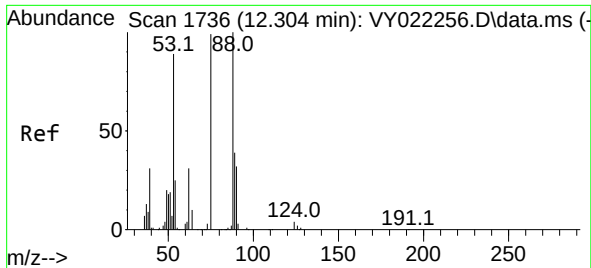
Tgt Ion: 75 Resp: 54086

Ion Ratio Lower Upper

75 100

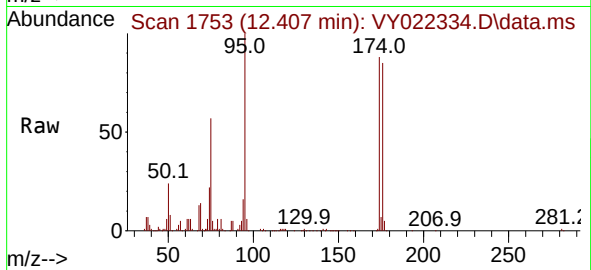
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 169.194 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY022334.D
 Acq: 20 May 2025 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC



Tgt Ion: 75 Resp: 54086
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.1 36.2 54.2#

