

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022220.D
 Acq On : 12 May 2025 13:32
 Operator : SY/MD
 Sample : Q1983-38
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-07

Quant Time: May 13 02:19:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

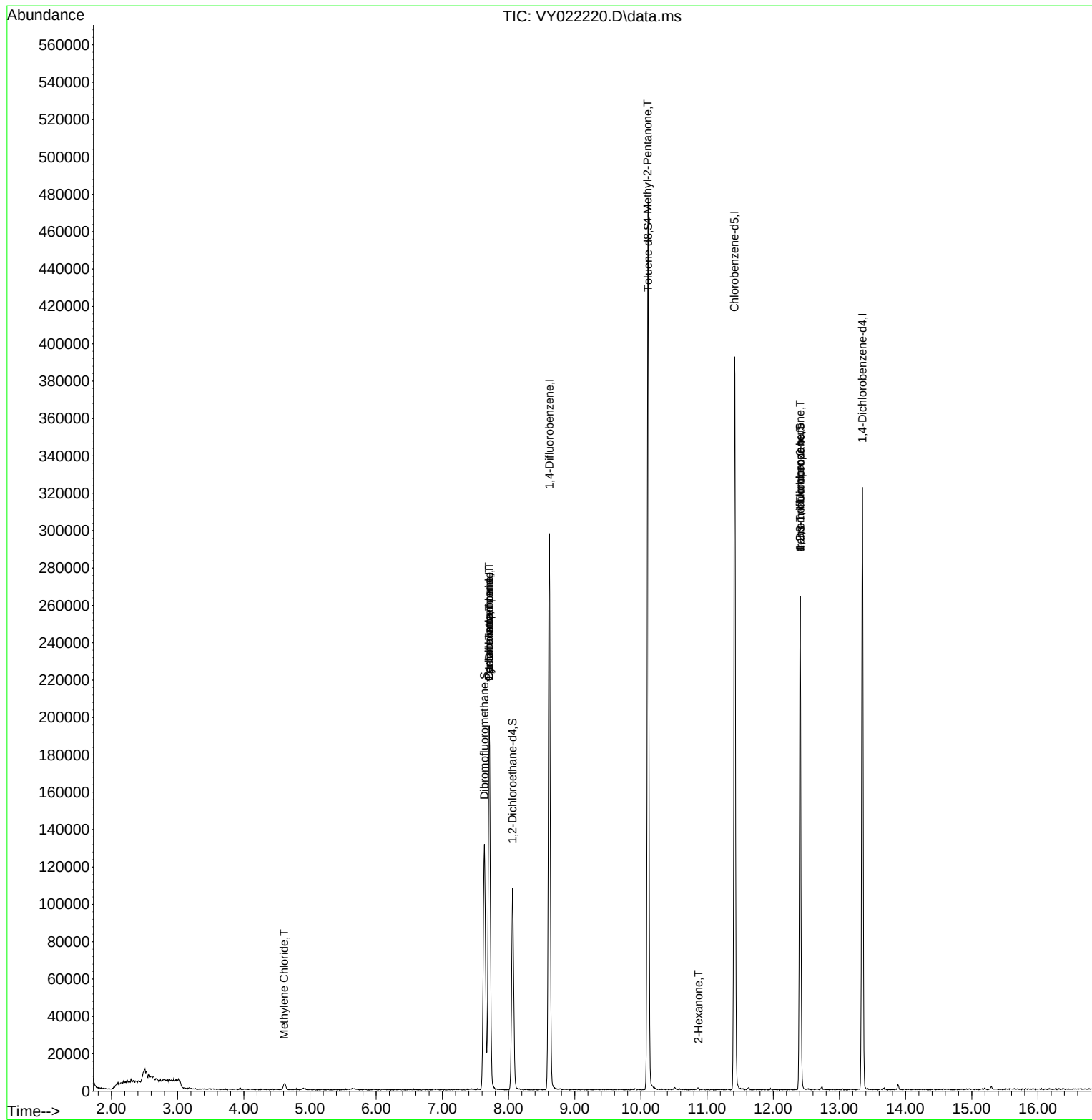
Internal Standards						
1) Pentafluorobenzene	7.707	168	149460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	260149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	222913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	83730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82745	59.937	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.880%
35) Dibromofluoromethane	7.634	113	95178	55.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.760%
50) Toluene-d8	10.109	98	315246	48.653	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.300%
62) 4-Bromofluorobenzene	12.407	95	79997	36.675	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.360%
Target Compounds						
16) Acetone	3.891	43	240	Below Cal	#	41
20) Methylene Chloride	4.610	84	2434	1.394	ug/l #	84
31) Cyclohexane	7.707	56	2959	1.297	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	11817	5.119	ug/l #	47
38) Carbon Tetrachloride	7.707	117	15362	5.569	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1284	1.538	ug/l #	1
59) 2-Hexanone	10.871	43	648	1.177	ug/l #	18
76) 1,2,3-Trichloropropane	12.407	75	39503	55.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	39503	132.642	ug/l #	16

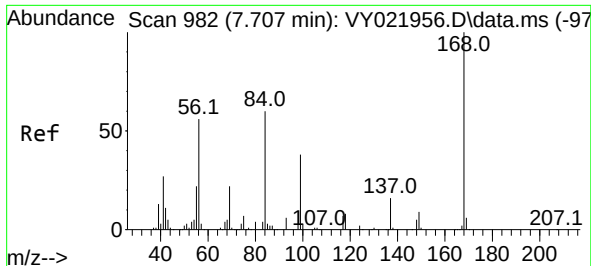
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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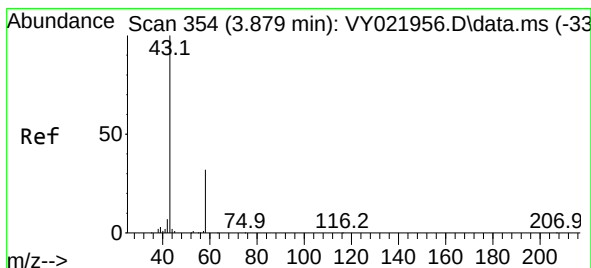
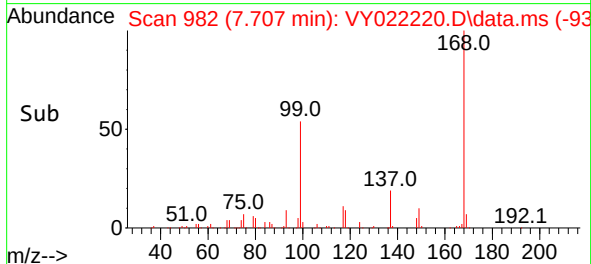
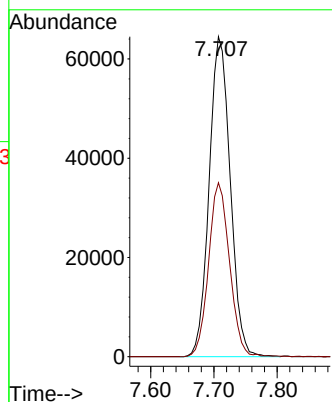
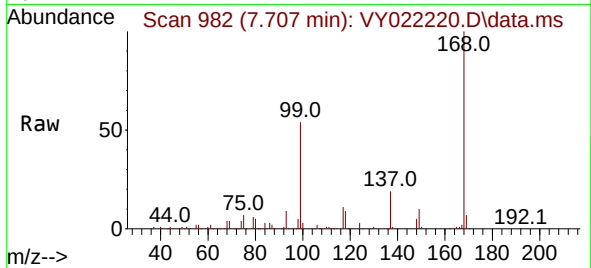




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

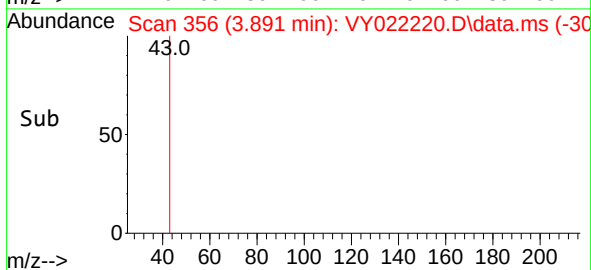
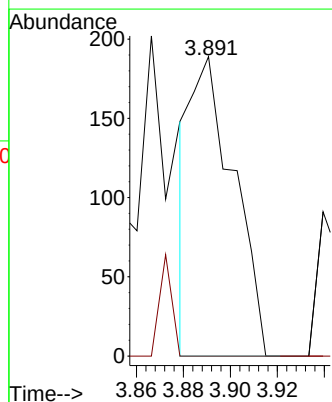
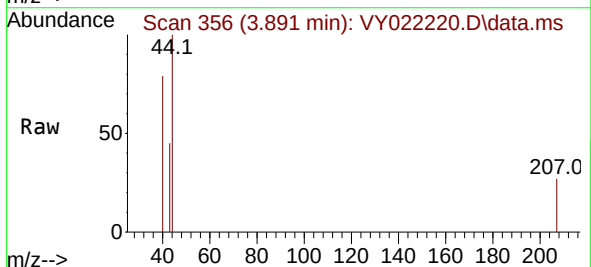
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-07

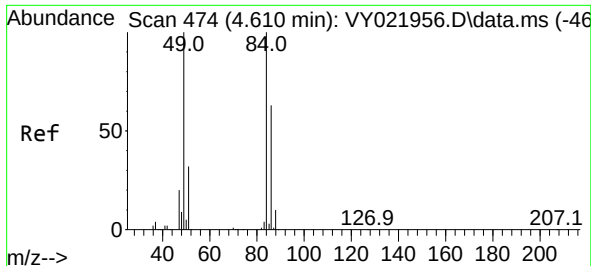
Tgt Ion:168 Resp: 149460
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

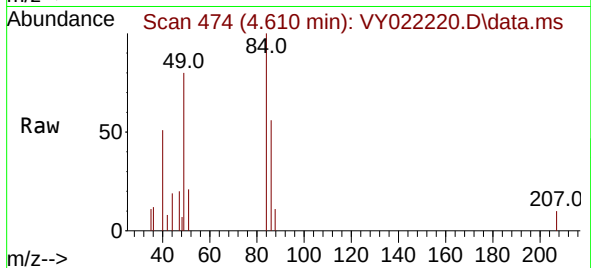
Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



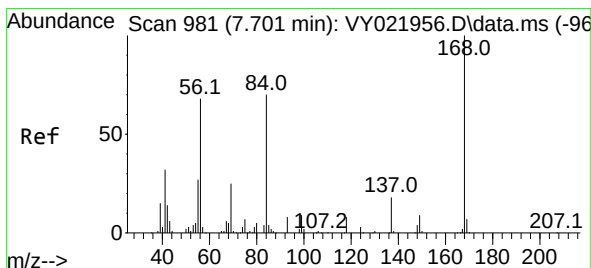
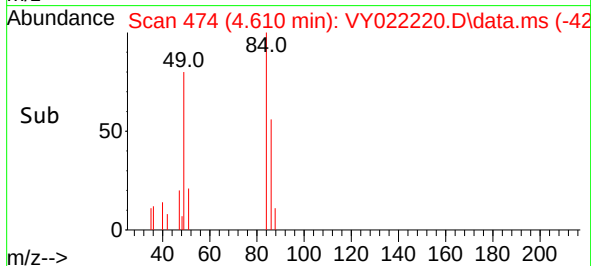
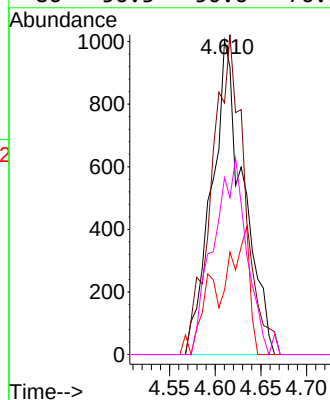


#20
Methylene Chloride
Concen: 1.394 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-07

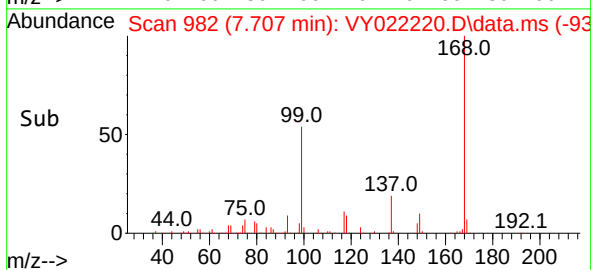
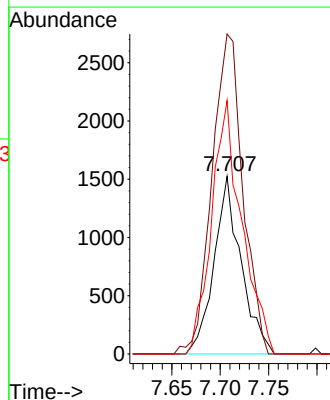
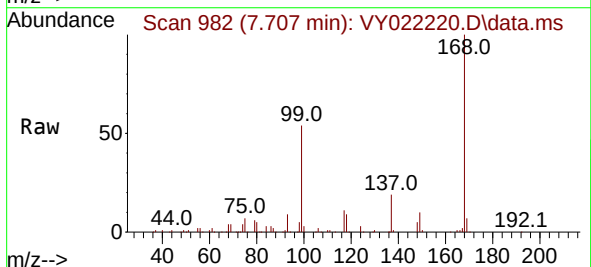


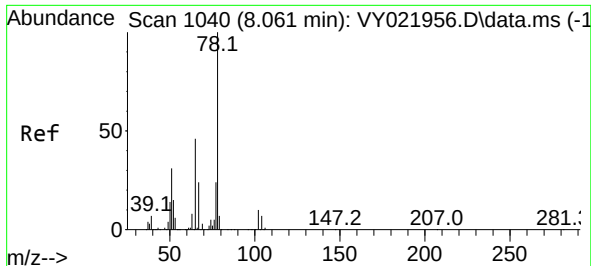
Tgt Ion:	84	Resp:	2434
Ion	Ratio	Lower	Upper
84	100		
49	80.1	79.9	119.9
51	20.5	25.4	38.0#
86	56.3	50.6	76.0



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

Tgt Ion:	56	Resp:	2959
Ion	Ratio	Lower	Upper
56	100		
69	180.1	29.4	44.2#
84	142.7	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 59.937 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022220.D

Acq: 12 May 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

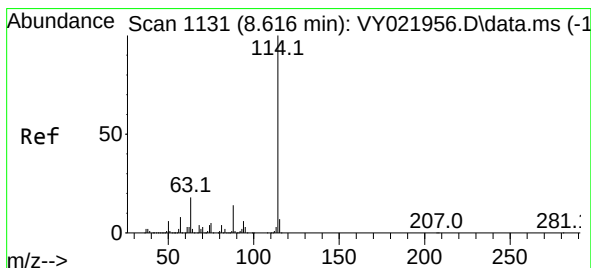
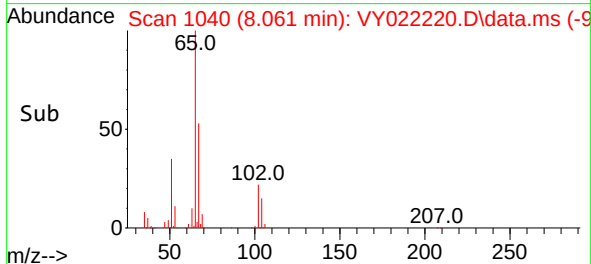
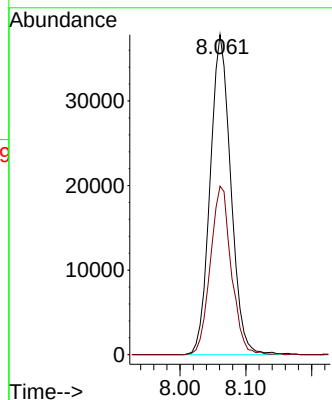
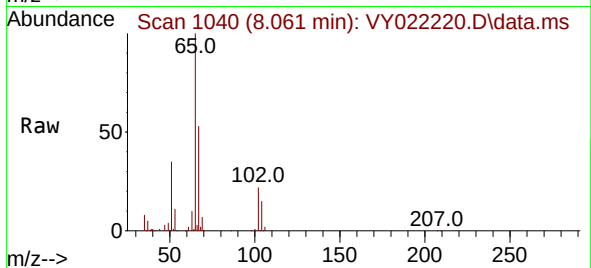
OR-636-VOC-07

Tgt Ion: 65 Resp: 82745

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022220.D

Acq: 12 May 2025 13:32

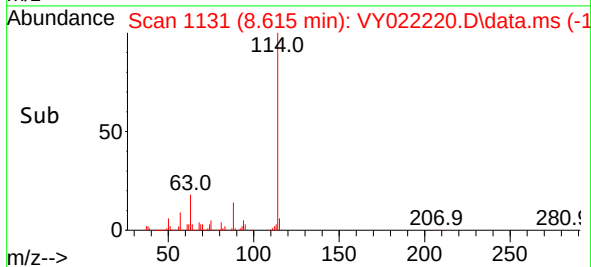
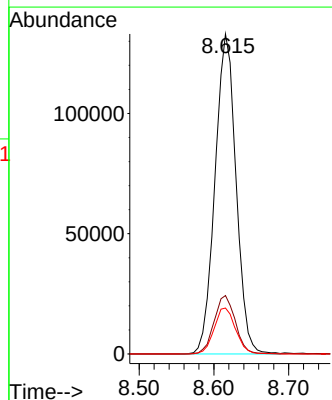
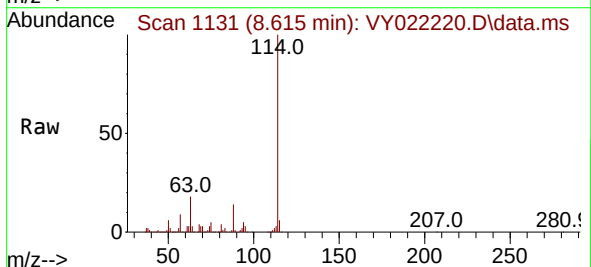
Tgt Ion: 114 Resp: 260149

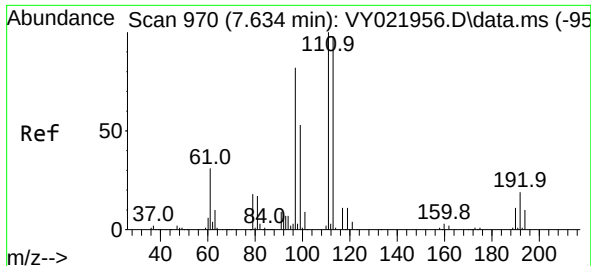
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.4

88 14.4 0.0 28.2

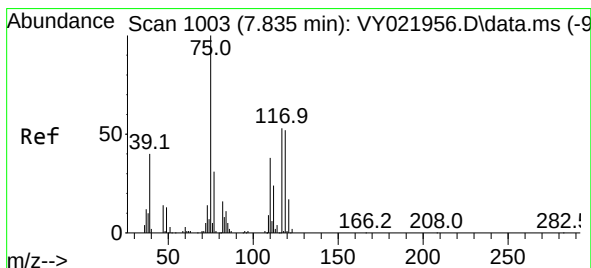
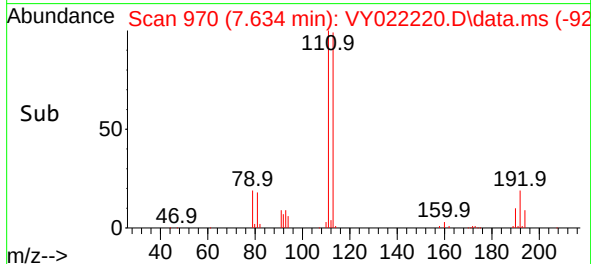
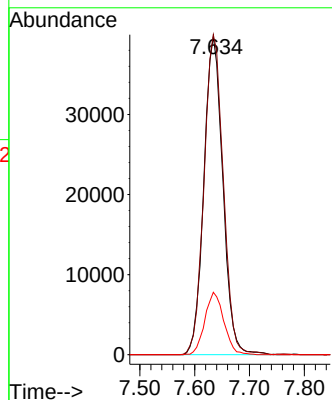
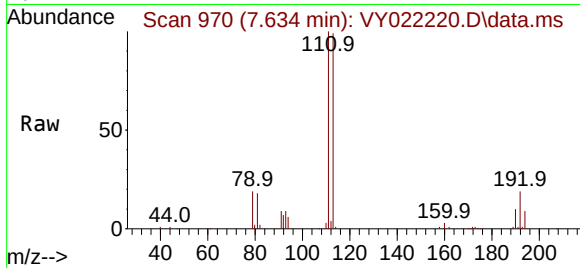




#35
Dibromofluoromethane
Concen: 55.378 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

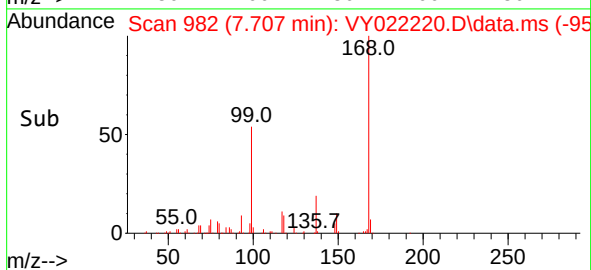
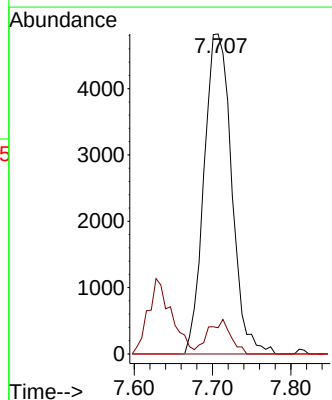
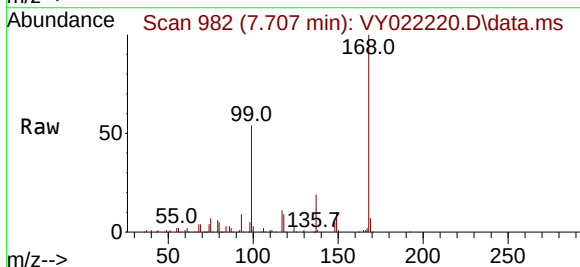
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-07

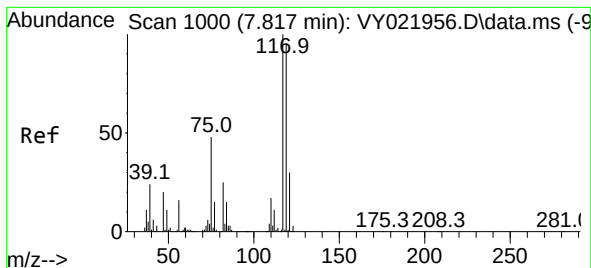
Tgt Ion:113 Resp: 95178
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 19.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.119 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

Tgt Ion: 75 Resp: 11817
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 5.569 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022220.D

Acq: 12 May 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-07

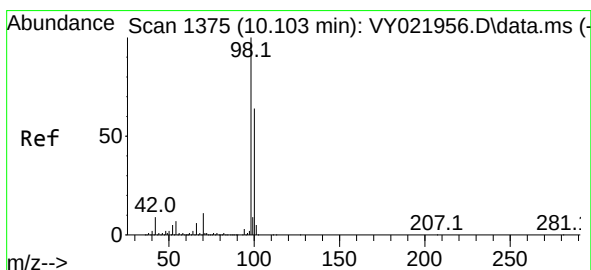
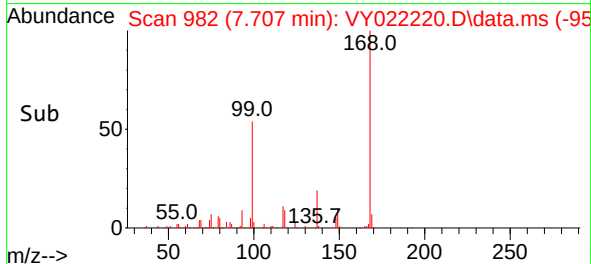
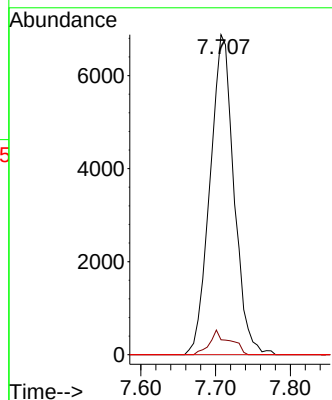
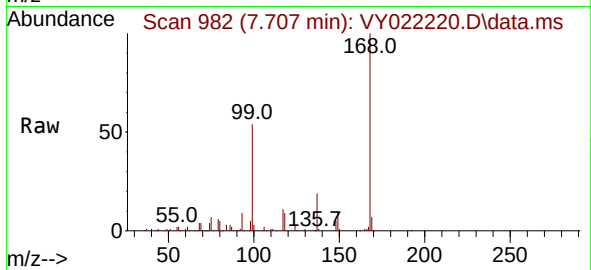
Tgt Ion:117 Resp: 15362

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 48.653 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022220.D

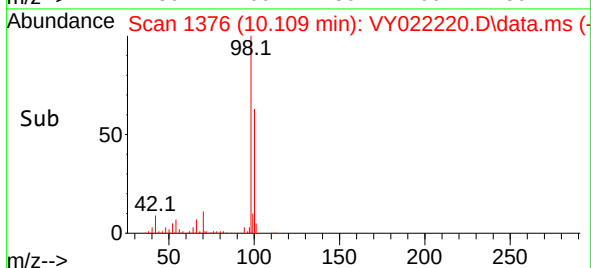
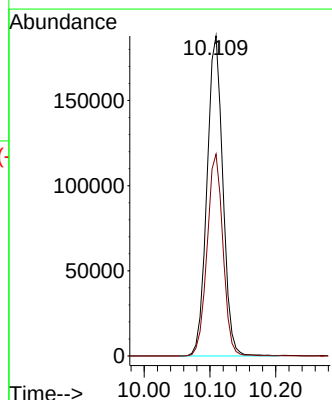
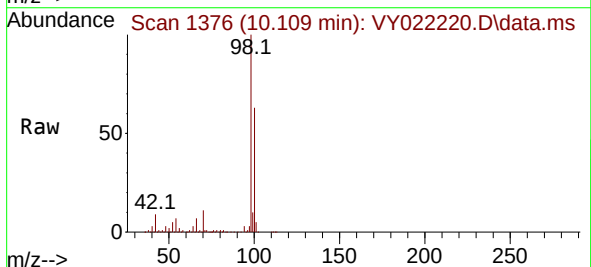
Acq: 12 May 2025 13:32

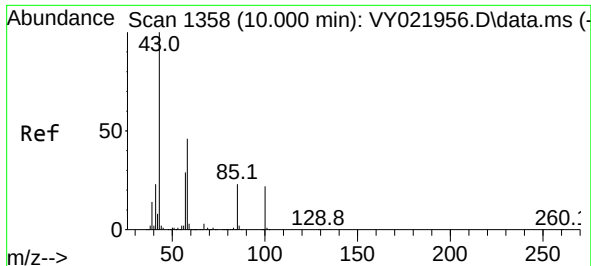
Tgt Ion: 98 Resp: 315246

Ion Ratio Lower Upper

98 100

100 63.0 51.6 77.4

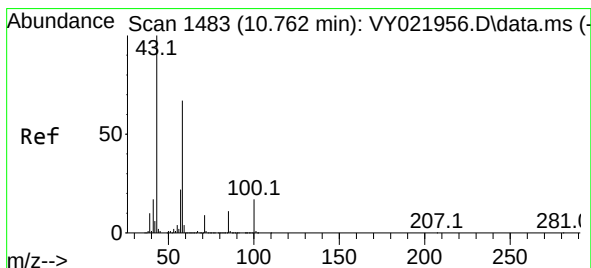
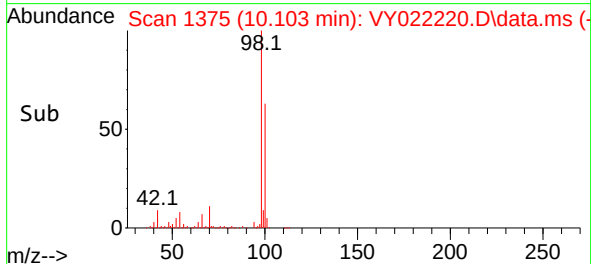
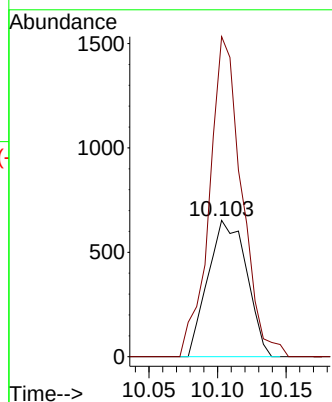
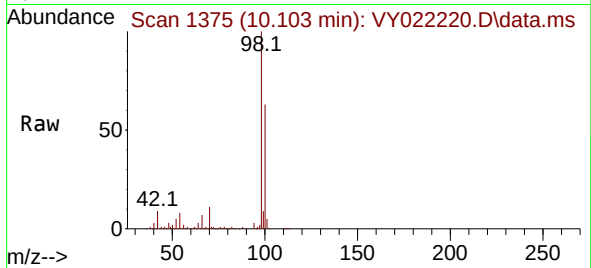




#51
4-Methyl-2-Pentanone
Concen: 1.538 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

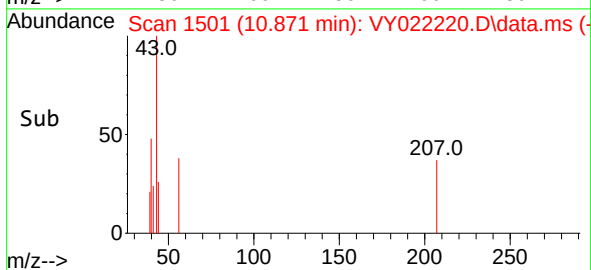
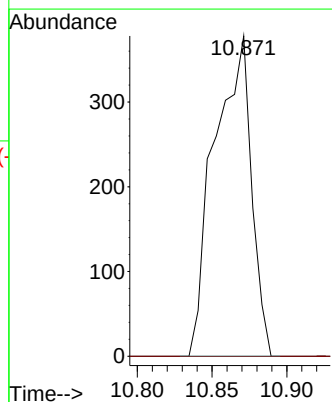
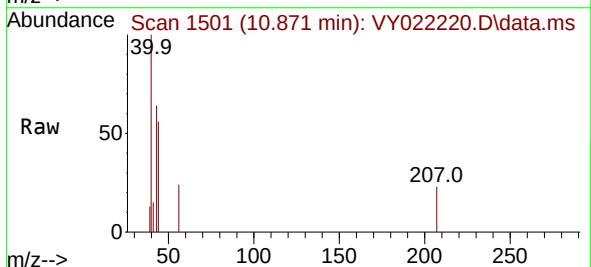
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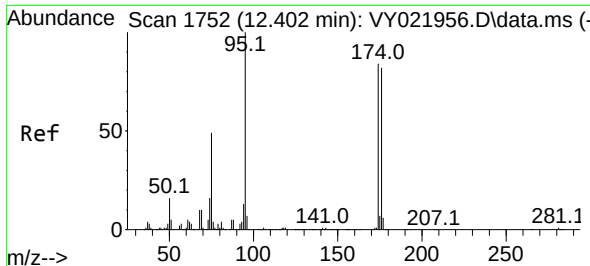
Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
58 196.0 36.6 55.0#



#59
2-Hexanone
Concen: 1.177 ug/l
RT: 10.871 min Scan# 1501
Delta R.T. 0.110 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

Tgt Ion: 43 Resp: 648
Ion Ratio Lower Upper
43 100
58 0.0 32.0 96.0#

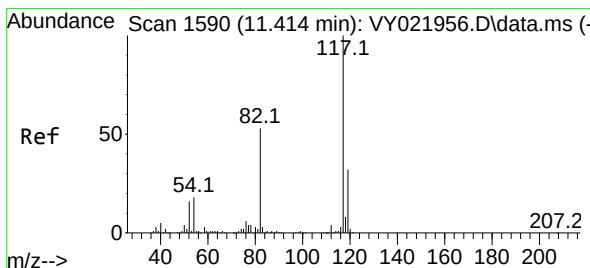
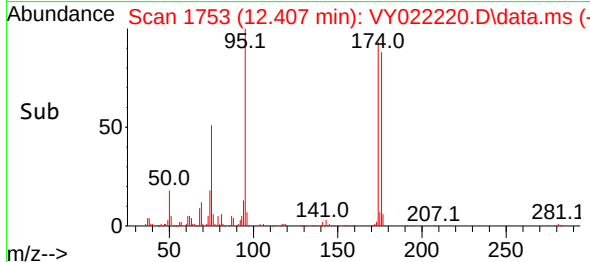
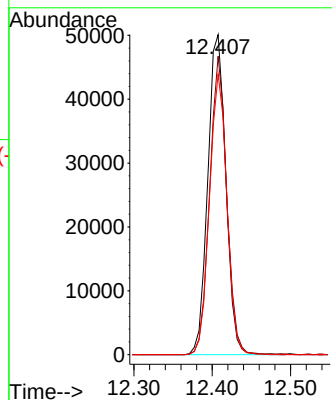
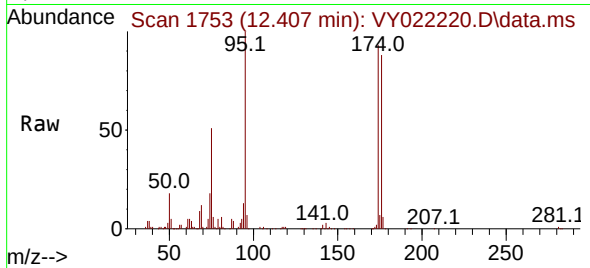




#62
4-Bromofluorobenzene
Concen: 36.675 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

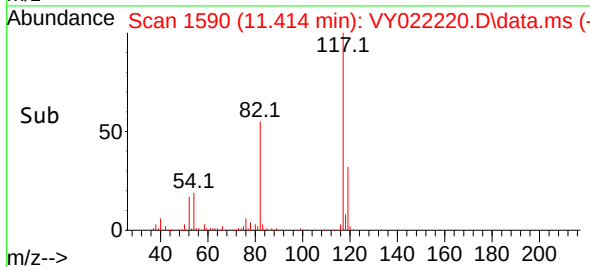
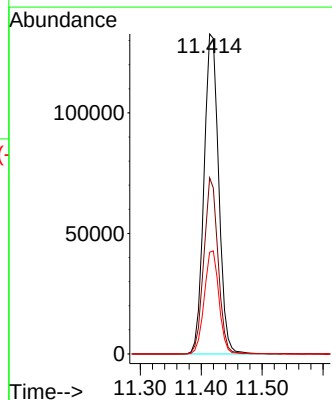
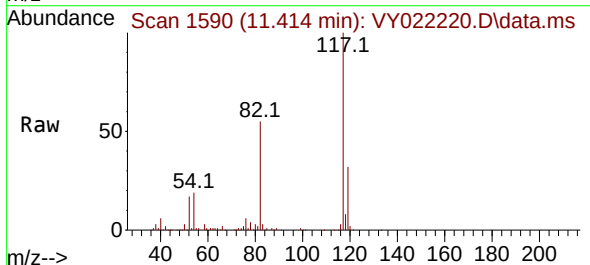
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-07

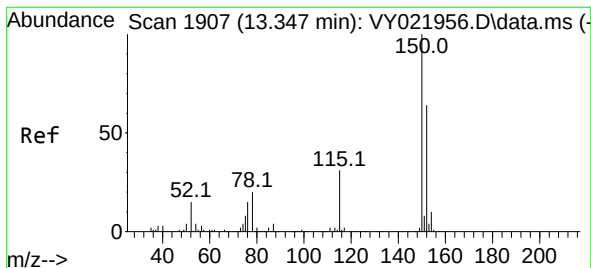
Tgt Ion: 95 Resp: 79997
Ion Ratio Lower Upper
95 100
174 88.6 0.0 179.0
176 84.7 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022220.D
Acq: 12 May 2025 13:32

Tgt Ion: 117 Resp: 222913
Ion Ratio Lower Upper
117 100
82 55.1 42.1 63.1
119 31.8 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: VY022220.D

Acq: 12 May 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-07

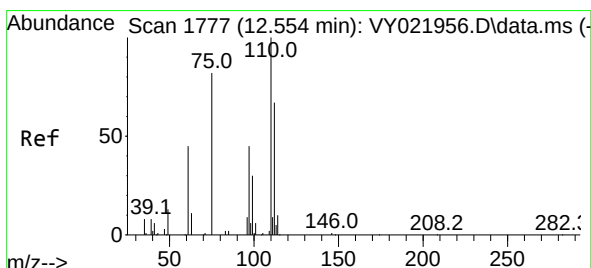
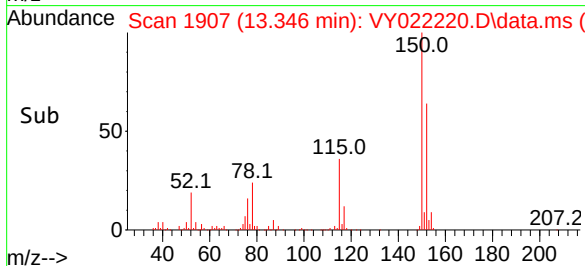
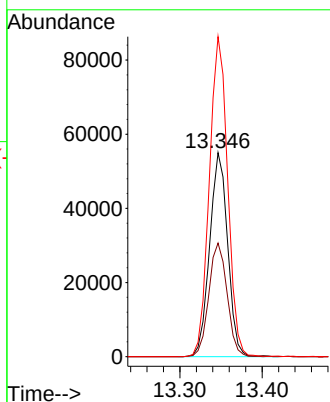
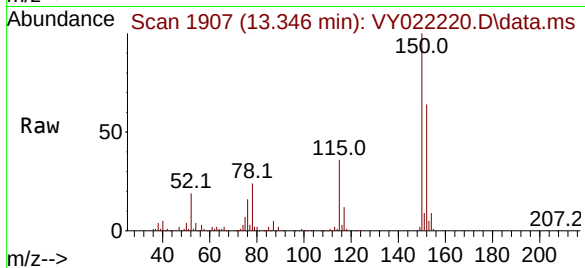
Tgt Ion:152 Resp: 83730

Ion Ratio Lower Upper

152 100

115 56.4 28.0 84.0

150 159.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.080 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022220.D

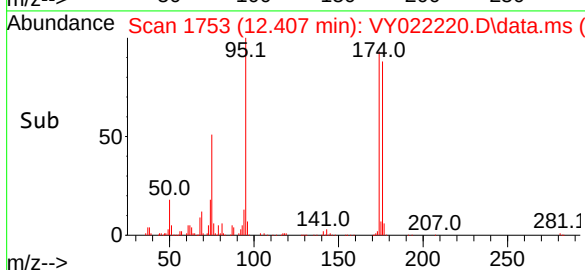
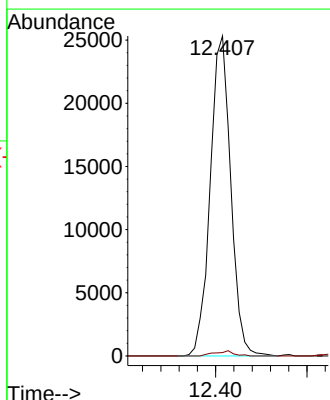
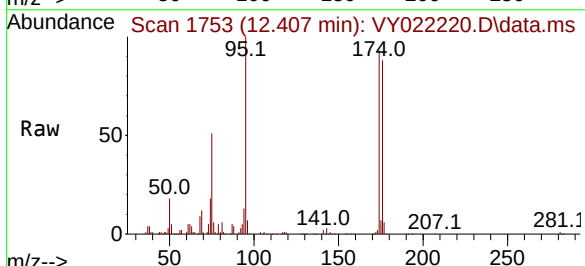
Acq: 12 May 2025 13:32

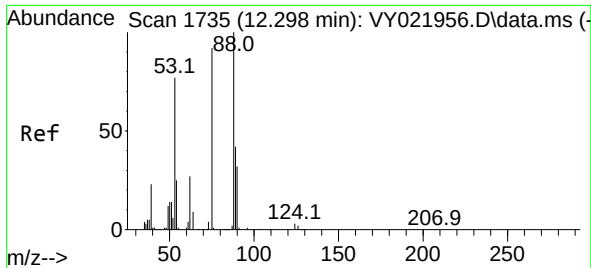
Tgt Ion: 75 Resp: 39503

Ion Ratio Lower Upper

75 100

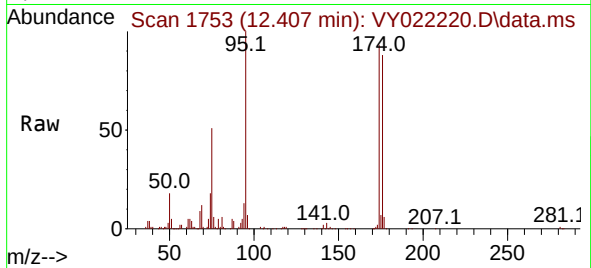
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.642 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022220.D
 Acq: 12 May 2025 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-07



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	66.0	99.0#
89	0.0	37.2	55.8#

