

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021854.D
 Acq On : 11 Apr 2025 13:10
 Operator : SY/MD
 Sample : Q1756-03
 Misc : 4.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Quant Time: Apr 12 02:48:01 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)

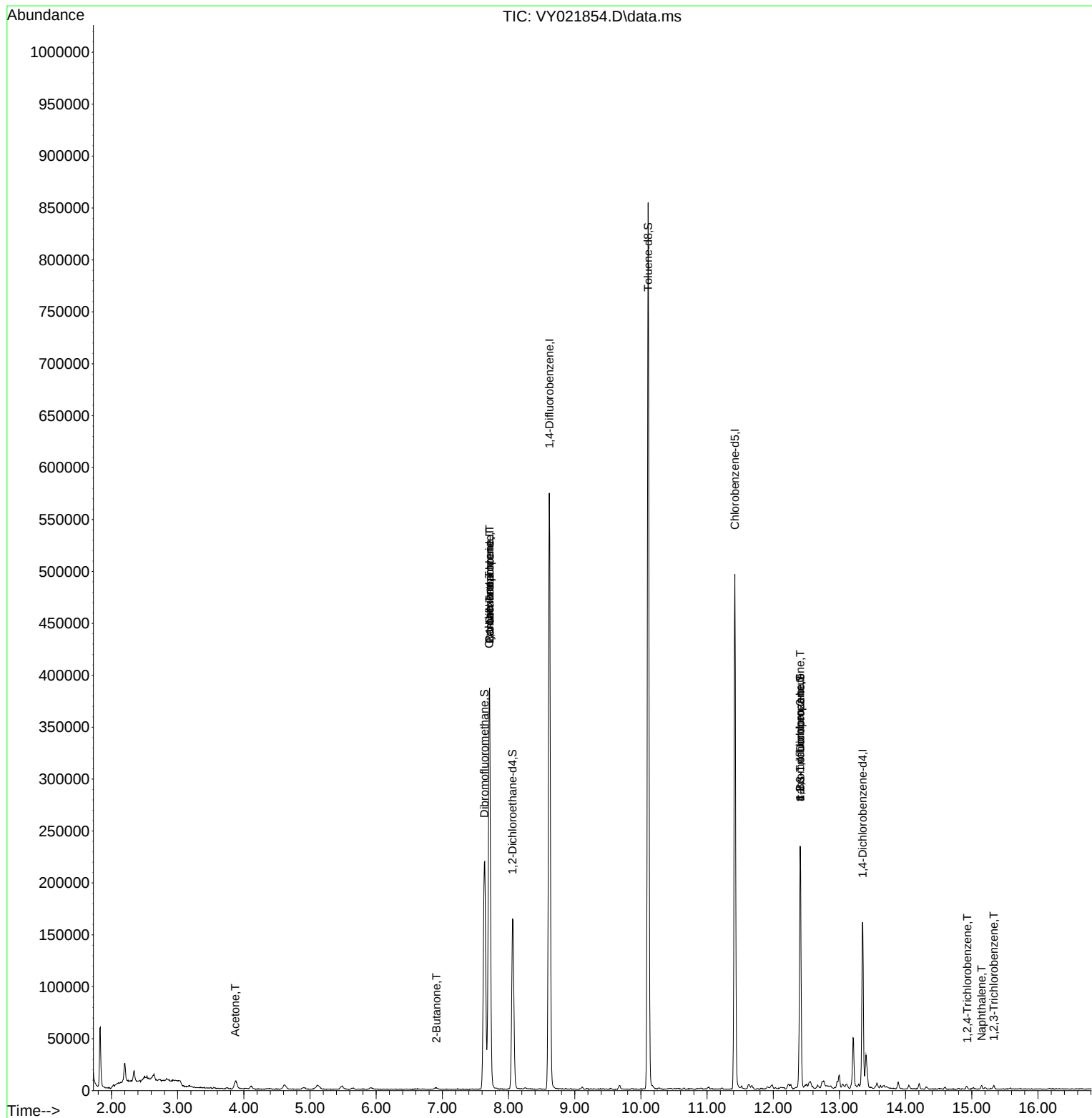
Internal Standards						
1) Pentafluorobenzene	7.713	168	297872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	483760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	260894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	42598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132739	41.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.260%
35) Dibromofluoromethane	7.634	113	158192	50.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.820%
50) Toluene-d8	10.109	98	529655	44.367	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.740%
62) 4-Bromofluorobenzene	12.408	95	67498	16.715	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	33.440%
Target Compounds						
16) Acetone	3.873	43	14160	21.438	ug/l	92
20) Methylene Chloride	4.635	84	2730	Below Cal	#	59
25) 2-Butanone	6.909	43	2522	2.673	ug/l #	83
31) Cyclohexane	7.707	56	6556	1.151	ug/l #	35
36) 1,1-Dichloropropene	7.713	75	23526	4.922	ug/l #	51
38) Carbon Tetrachloride	7.713	117	30424	5.557	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	36069	85.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	36069	196.822	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.932	180	1003	1.420	ug/l	89
95) Naphthalene	15.151	128	2950	2.519	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.334	180	887	1.472	ug/l	90

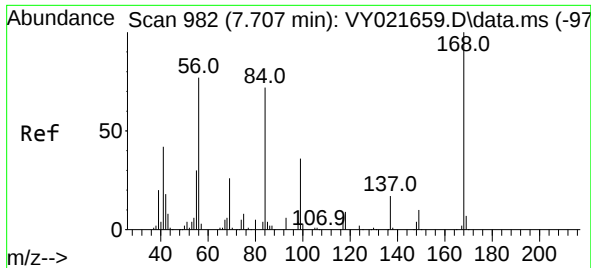
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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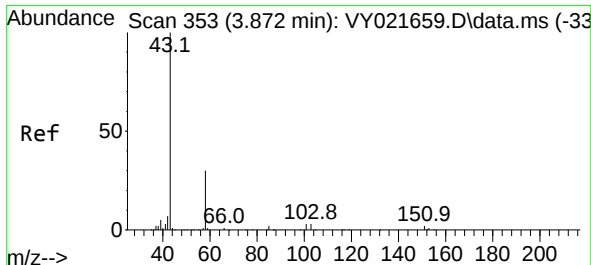
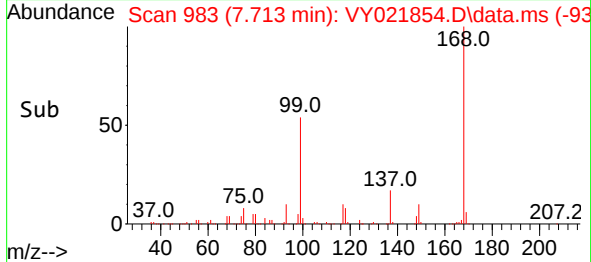
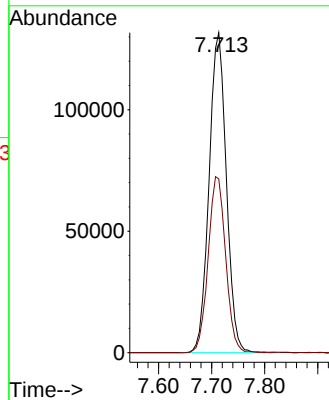
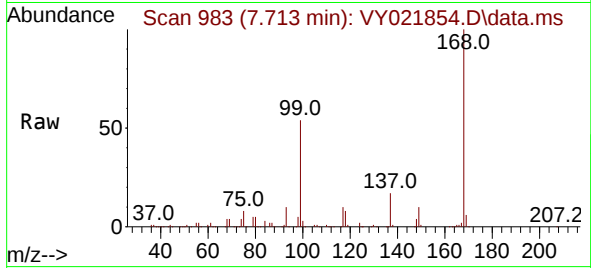




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

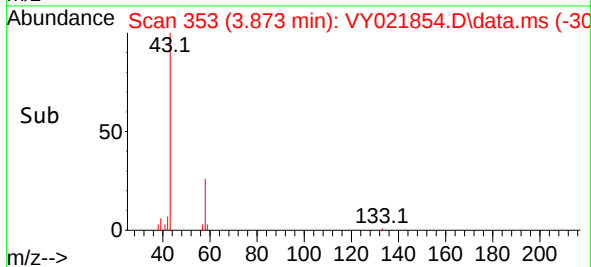
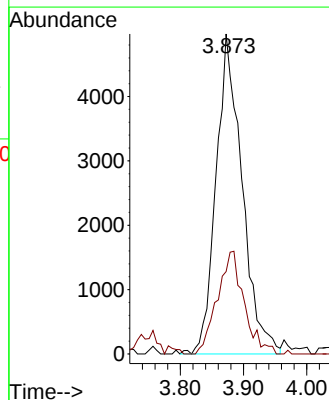
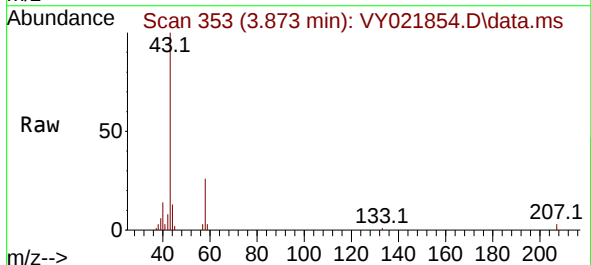
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

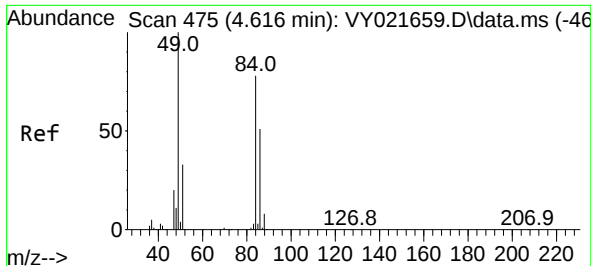
Tgt Ion:168 Resp: 297872
Ion Ratio Lower Upper
168 100
99 54.3 46.7 70.1



#16
Acetone
Concen: 21.438 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

Tgt Ion: 43 Resp: 14160
Ion Ratio Lower Upper
43 100
58 25.7 24.2 36.4

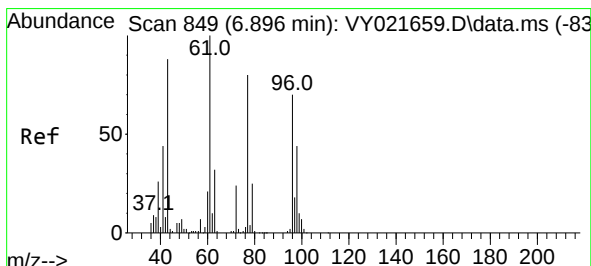
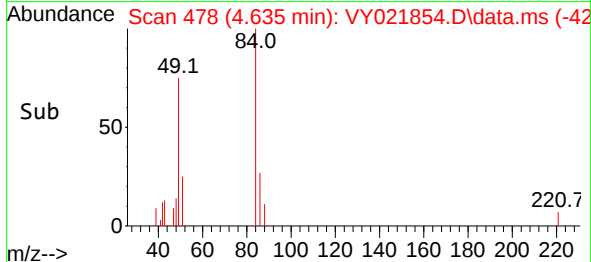
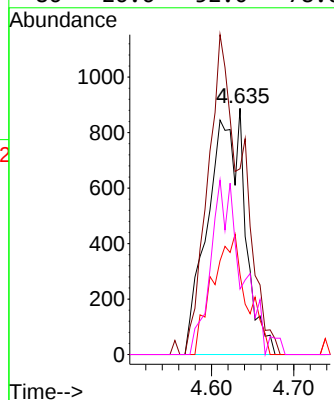
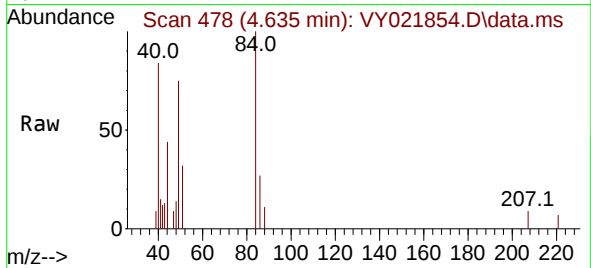




#20
Methylene Chloride
Concen: Below Cal
RT: 4.635 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

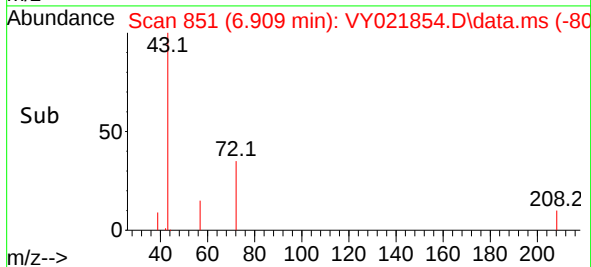
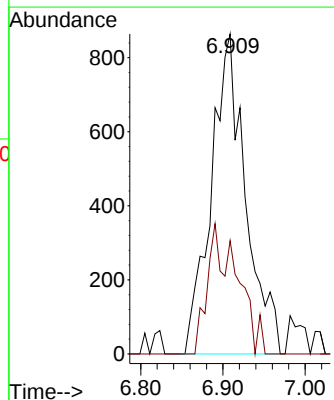
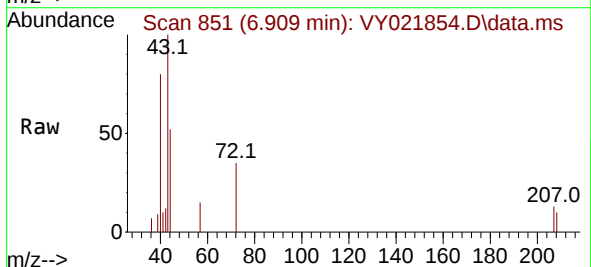
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

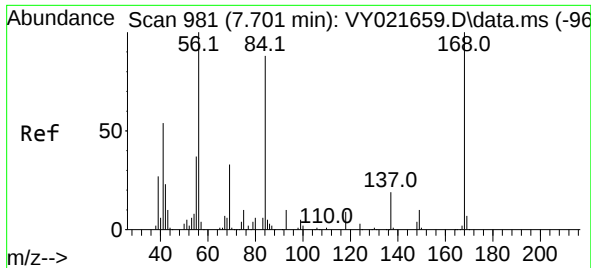
Tgt Ion: 84 Resp: 2730
Ion Ratio Lower Upper
84 100
49 75.5 102.8 154.2#
51 32.4 33.5 50.3#
86 26.6 52.0 78.0#



#25
2-Butanone
Concen: 2.673 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

Tgt Ion: 43 Resp: 2522
Ion Ratio Lower Upper
43 100
72 35.4 21.4 32.2#

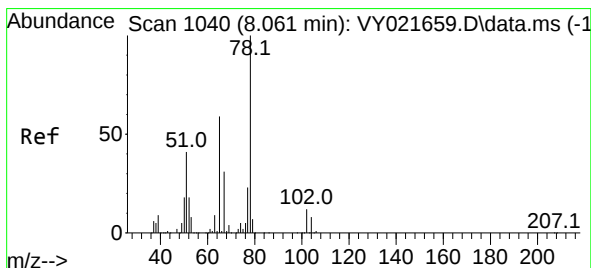
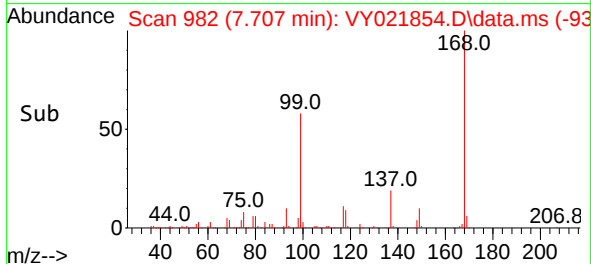
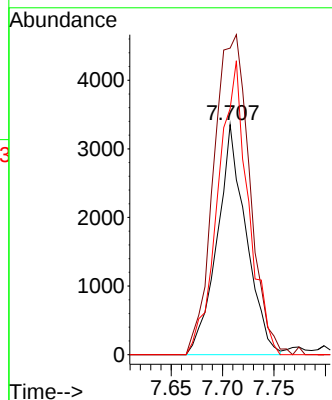
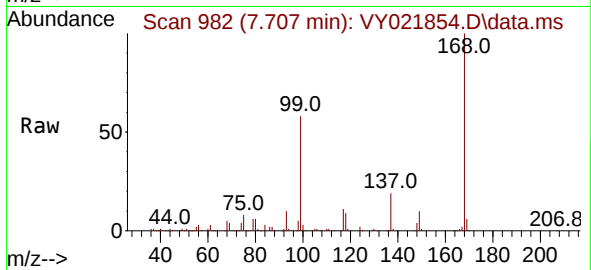




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

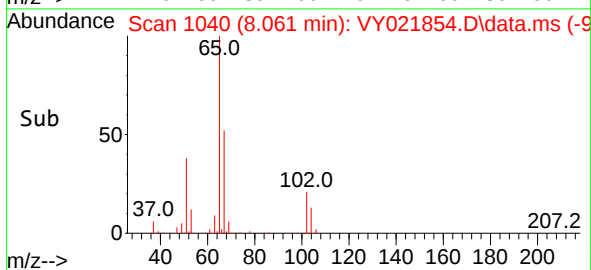
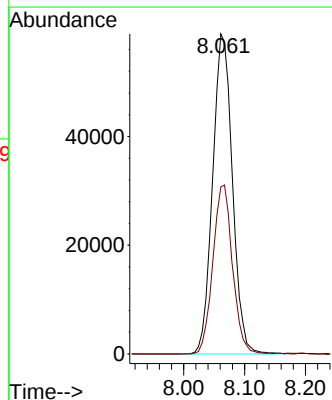
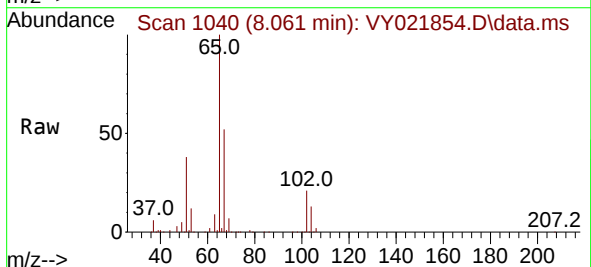
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

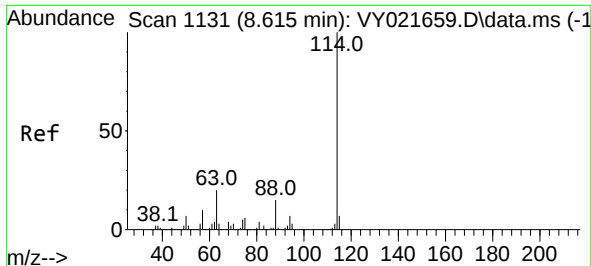
Tgt Ion: 56 Resp: 6556
Ion Ratio Lower Upper
56 100
69 133.2 26.6 40.0#
84 106.9 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 41.129 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

Tgt Ion: 65 Resp: 132739
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

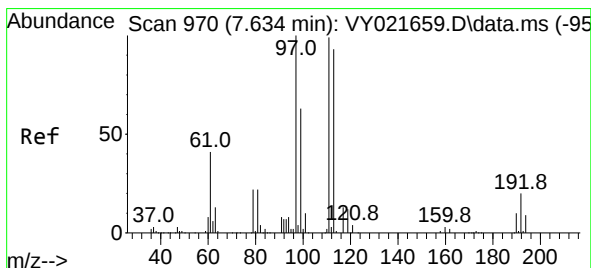
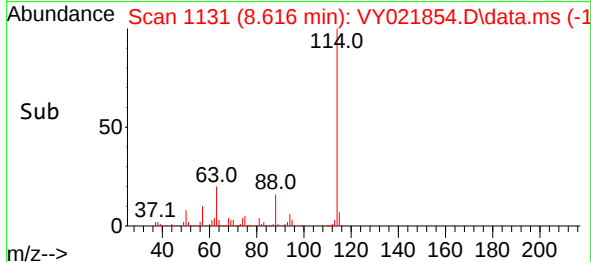
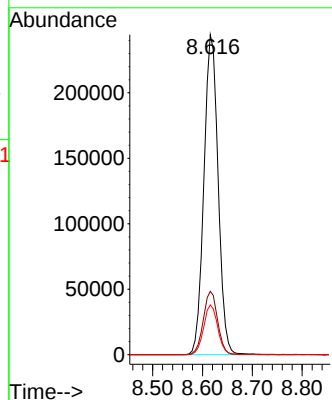
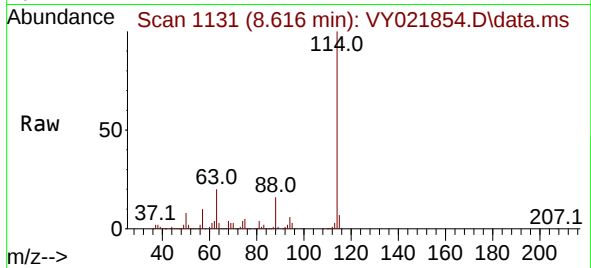




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

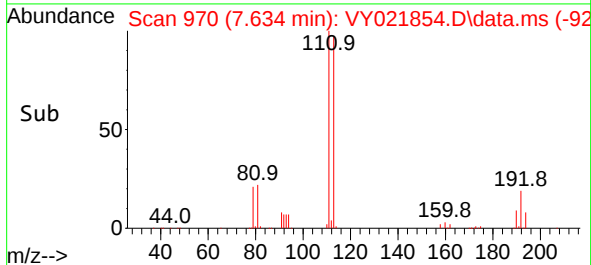
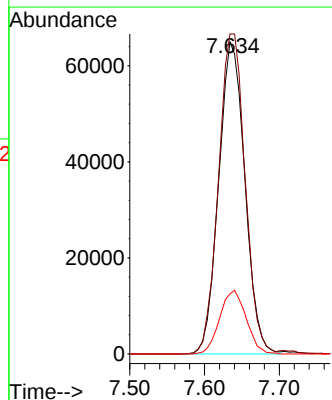
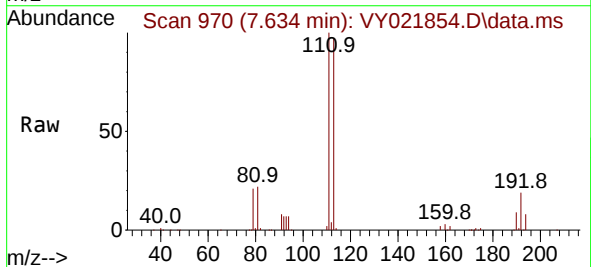
Instrument :
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ClientSampleId :
TP-9-VOC

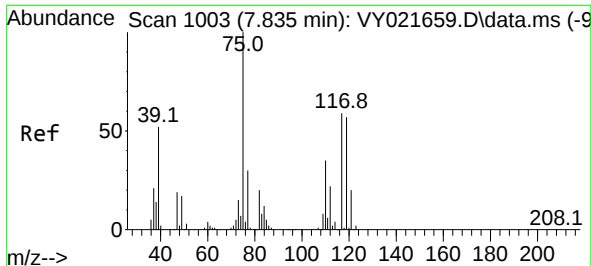
Tgt Ion:114 Resp: 483760
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.2
88 15.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.411 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

Tgt Ion:113 Resp: 158192
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 20.7 16.2 24.4

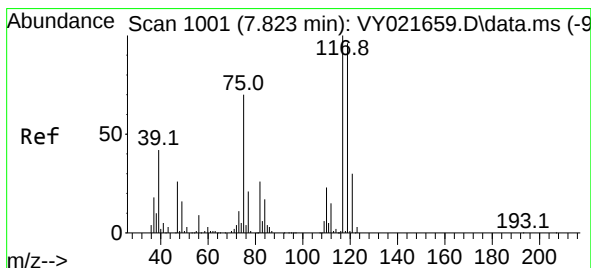
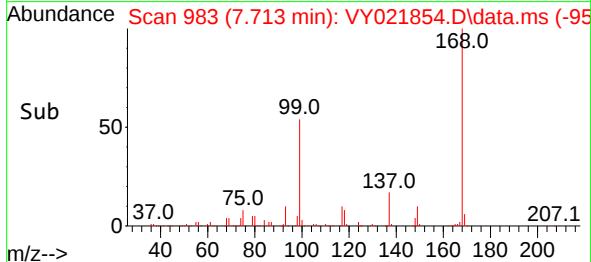
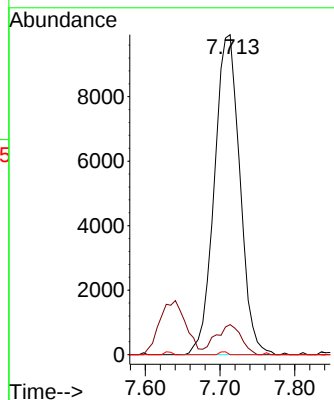
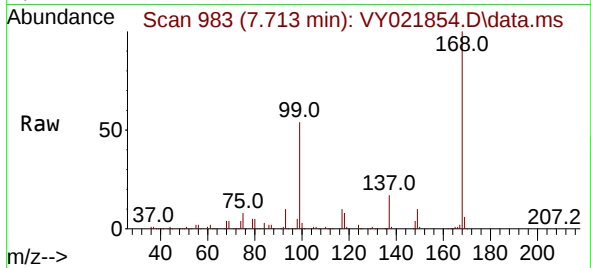




#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

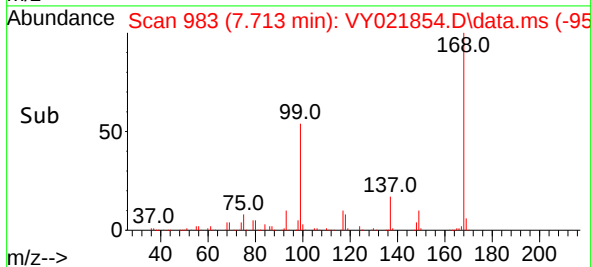
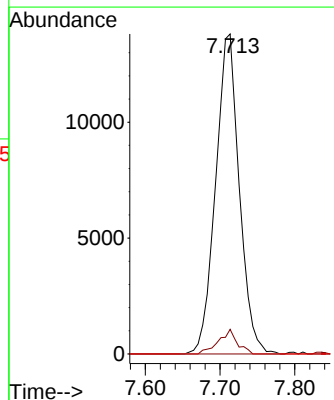
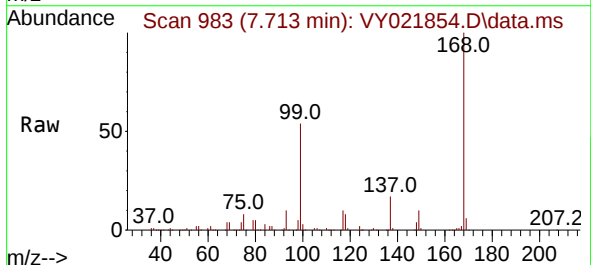
Instrument :
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ClientSampleId :
TP-9-VOC

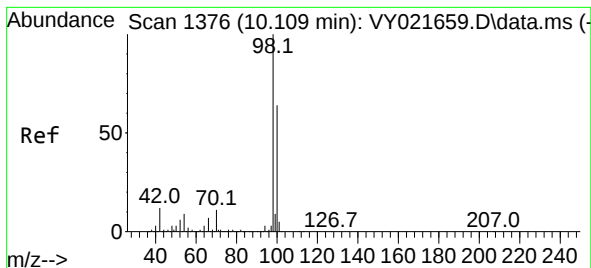
Tgt Ion: 75 Resp: 23526
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.3 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.557 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

Tgt Ion: 117 Resp: 30424
Ion Ratio Lower Upper
117 100
119 7.7 76.2 114.4#
121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 44.367 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021854.D

Acq: 11 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

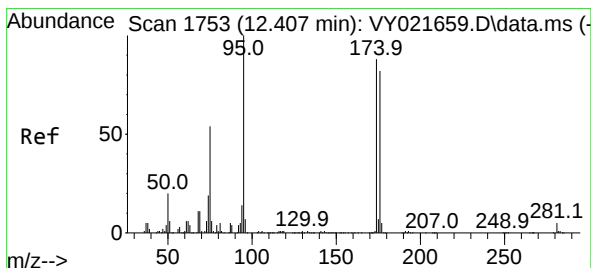
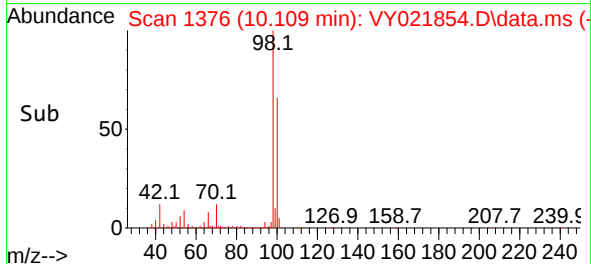
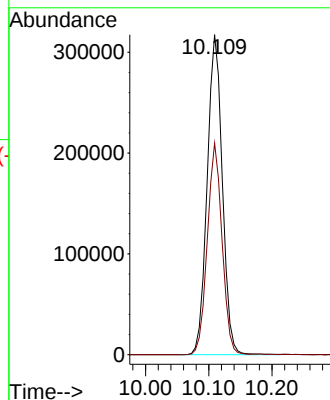
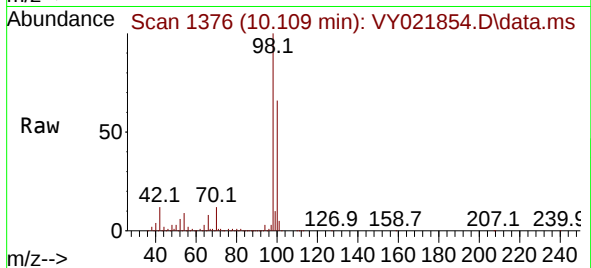
TP-9-VOC

Tgt Ion: 98 Resp: 529655

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 16.715 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021854.D

Acq: 11 Apr 2025 13:10

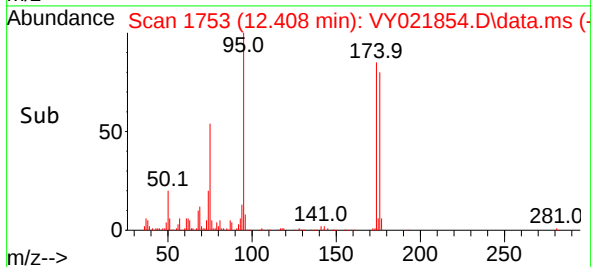
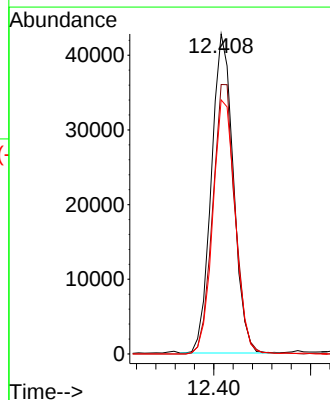
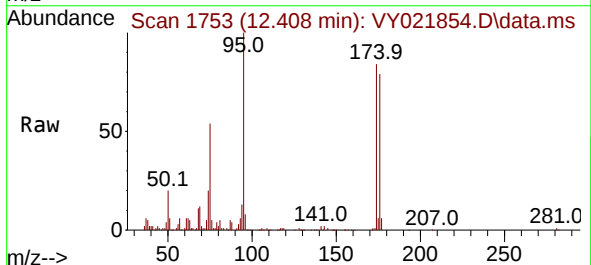
Tgt Ion: 95 Resp: 67498

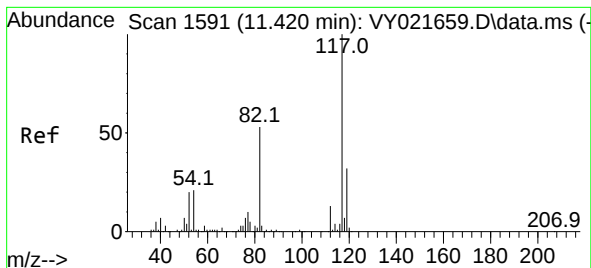
Ion Ratio Lower Upper

95 100

174 85.8 0.0 170.8

176 81.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021854.D

Acq: 11 Apr 2025 13:10

Instrument :

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TP-9-VOC

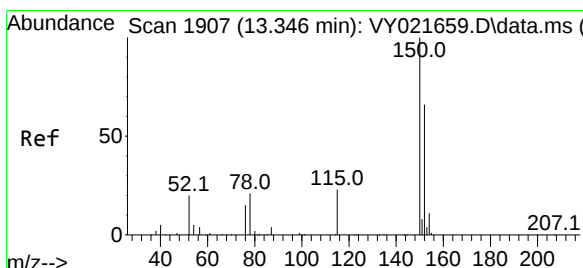
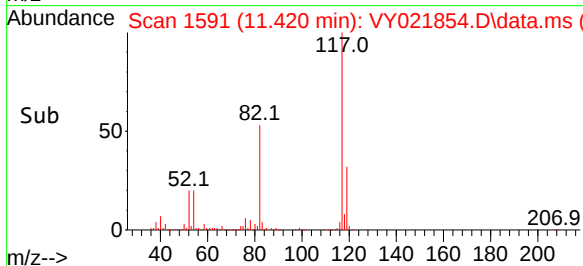
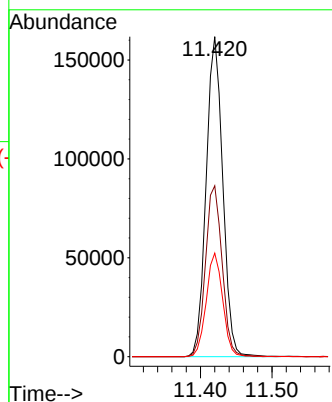
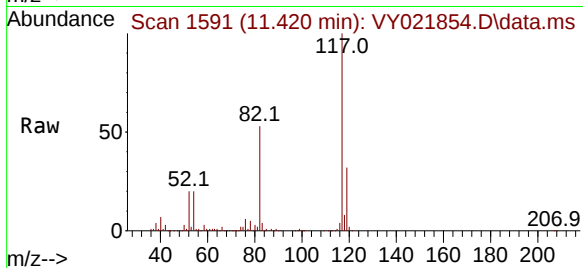
Tgt Ion:117 Resp: 260894

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

119 32.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021854.D

Acq: 11 Apr 2025 13:10

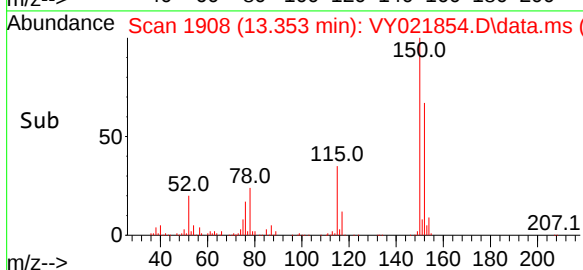
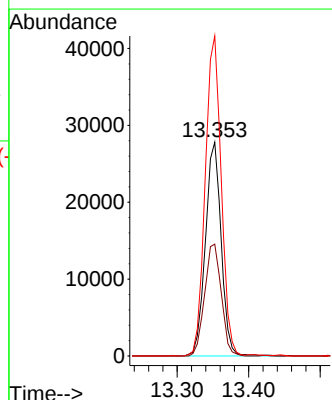
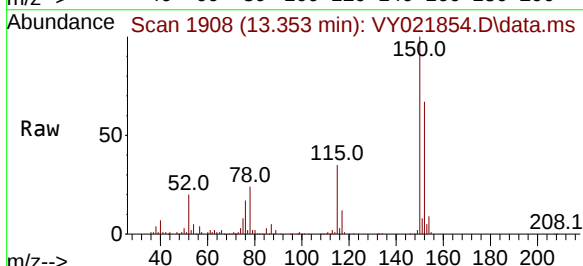
Tgt Ion:152 Resp: 42598

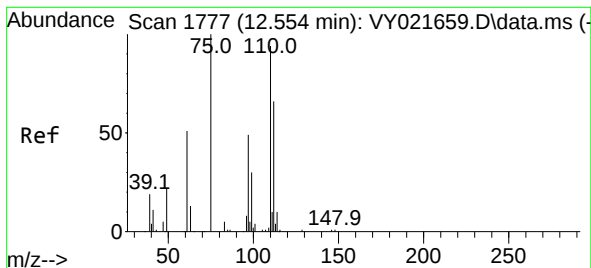
Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 151.4 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 85.420 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021854.D

Acq: 11 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

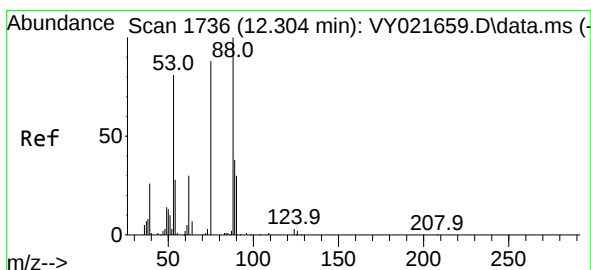
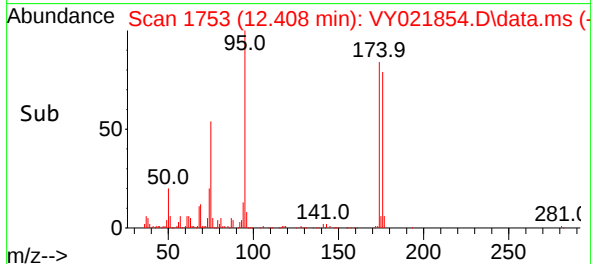
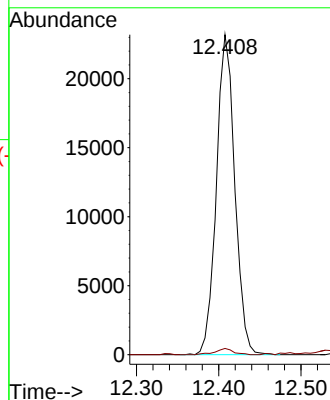
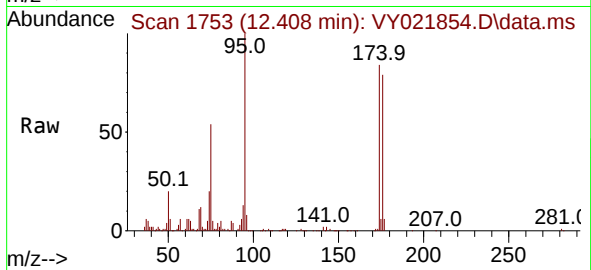
TP-9-VOC

Tgt Ion: 75 Resp: 36069

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 196.822 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021854.D

Acq: 11 Apr 2025 13:10

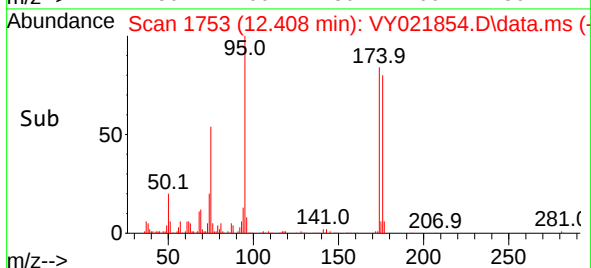
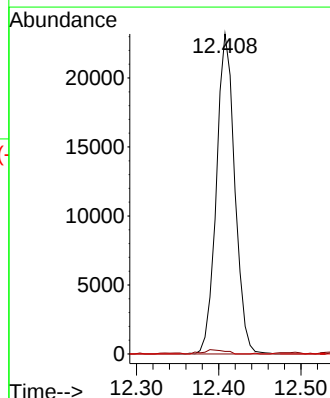
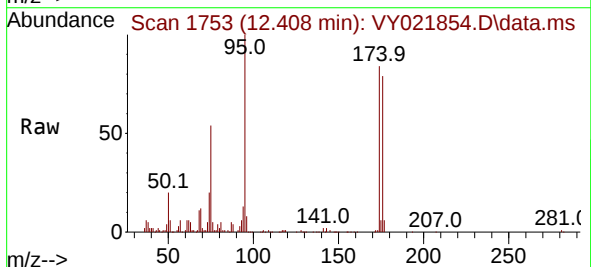
Tgt Ion: 75 Resp: 36069

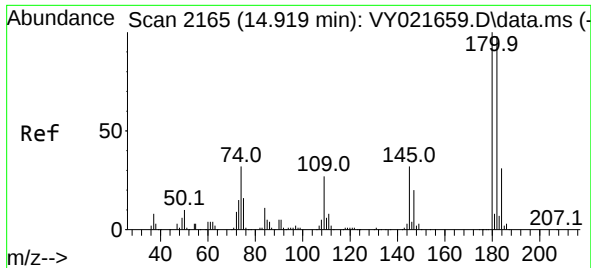
Ion Ratio Lower Upper

75 100

53 1.6 76.1 114.1#

89 0.0 36.2 54.4#

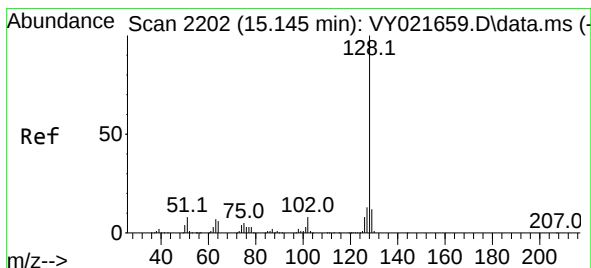
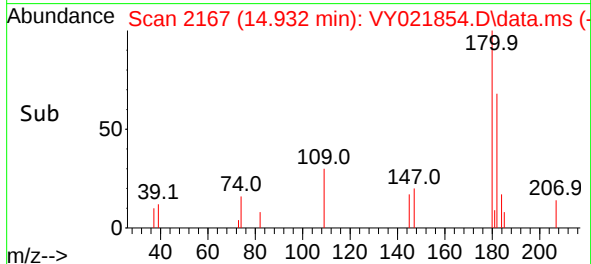
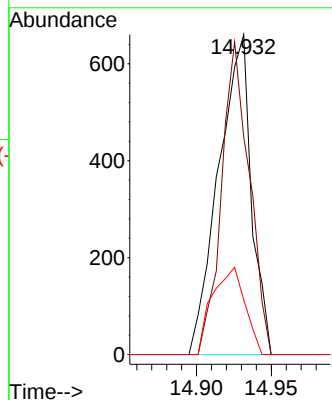
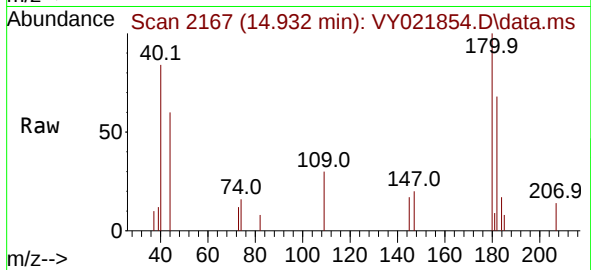




#93
1,2,4-Trichlorobenzene
Concen: 1.420 ug/l
RT: 14.932 min Scan# 2167
Delta R.T. 0.012 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

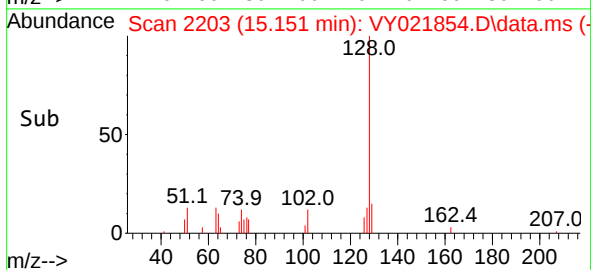
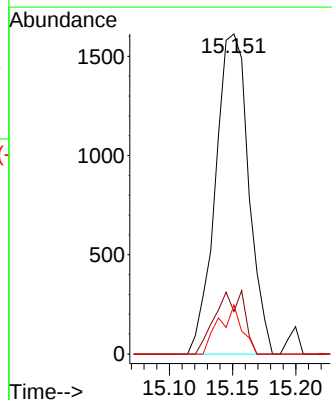
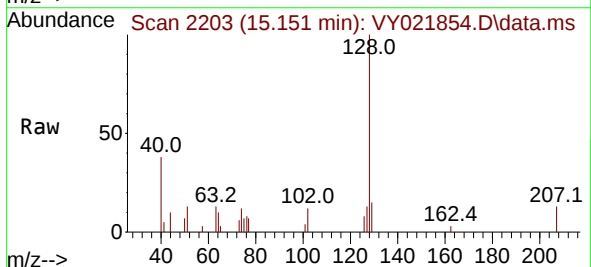
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

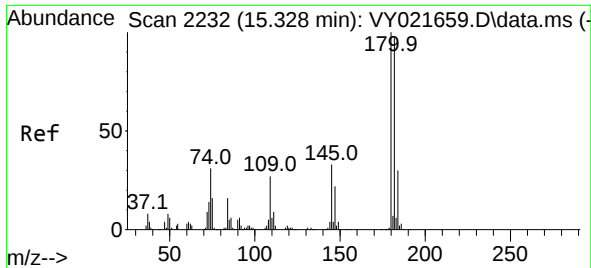
Tgt Ion:180 Resp: 1003
Ion Ratio Lower Upper
180 100
182 83.0 47.5 142.6
145 27.2 14.9 44.9



#95
Naphthalene
Concen: 2.519 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY021854.D
Acq: 11 Apr 2025 13:10

Tgt Ion:128 Resp: 2950
Ion Ratio Lower Upper
128 100
127 17.1 10.8 16.2#
129 10.7 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 1.472 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY021854.D

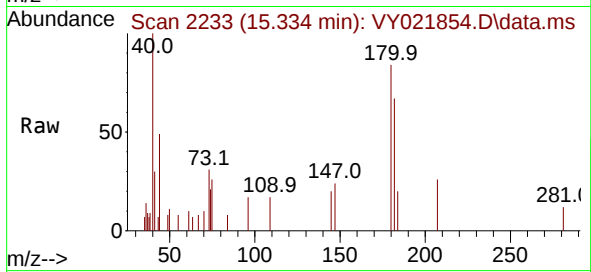
Acq: 11 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

TP-9-VOC



Tgt Ion:180 Resp: 887

Ion Ratio Lower Upper

180 100

182 106.8

145 29.9

47.5 142.5

15.9 47.7

