

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021874.D
 Acq On : 14 Apr 2025 17:00
 Operator : SY/MD
 Sample : Q1779-03
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-22-VOC

Quant Time: Apr 14 23:33:40 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)

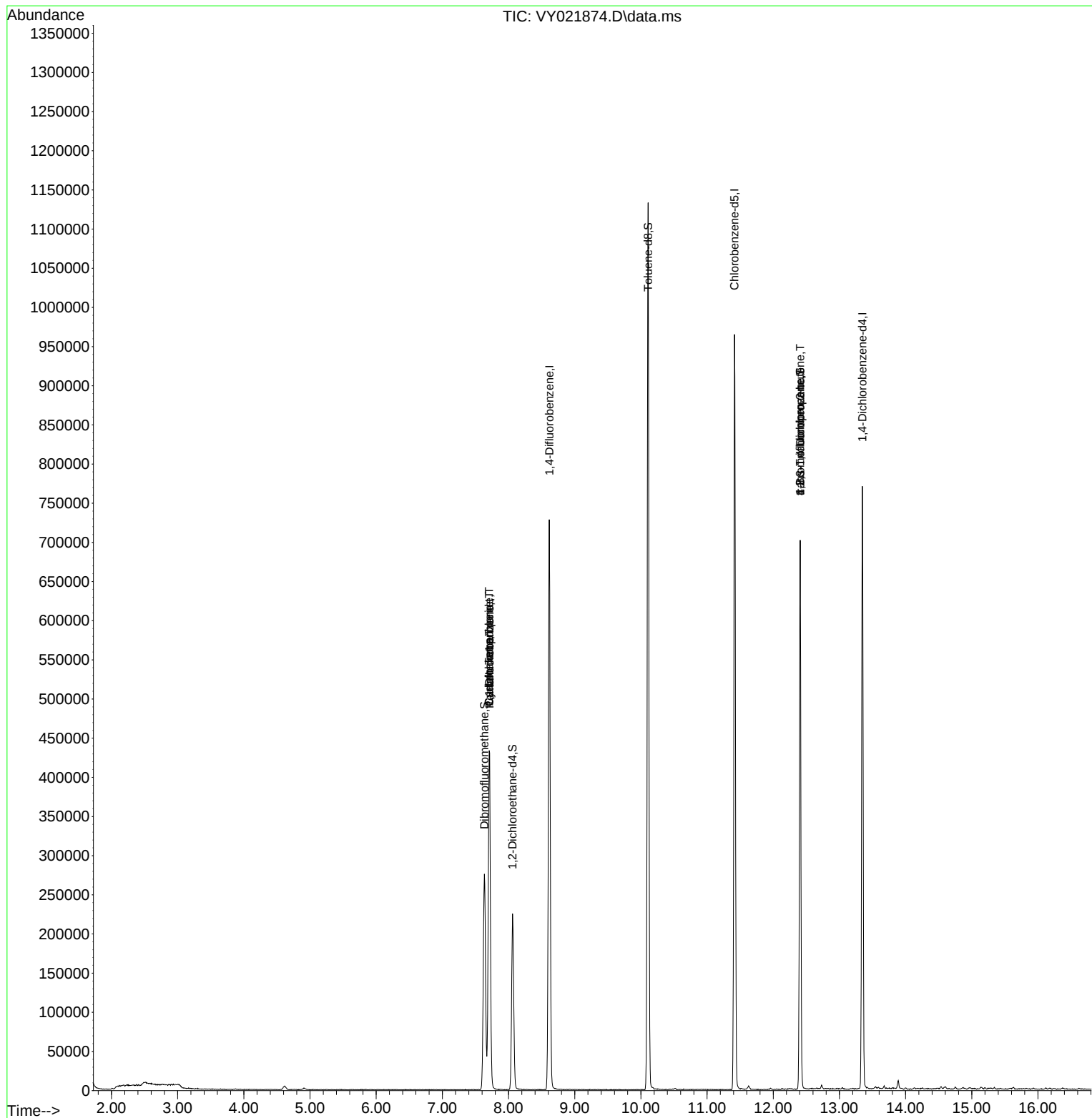
Internal Standards						
1) Pentafluorobenzene	7.713	168	331639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	608419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	503140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	190893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173963	48.414	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.820%
35) Dibromofluoromethane	7.634	113	194371	49.249	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.500%
50) Toluene-d8	10.109	98	717528	47.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.580%
62) 4-Bromofluorobenzene	12.408	95	205703	40.504	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.000%
Target Compounds						
20) Methylene Chloride	4.616	84	3055	Below Cal	#	83
31) Cyclohexane	7.707	56	7073	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	25901	4.309	ug/l #	50
38) Carbon Tetrachloride	7.707	117	34385	4.994	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	108044	57.098	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	108044	131.564	ug/l #	12

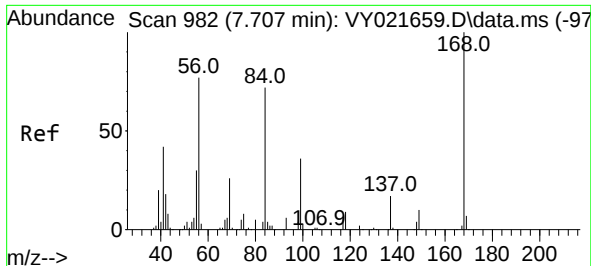
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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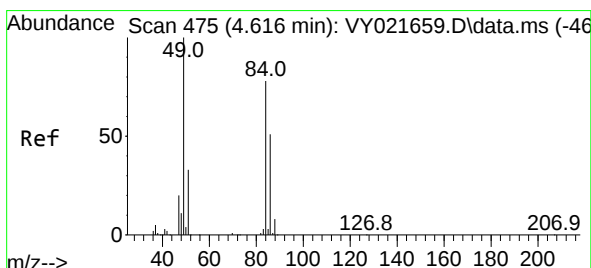
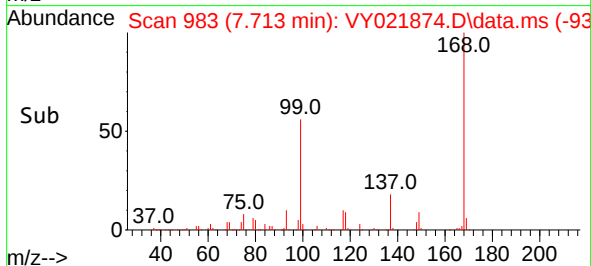
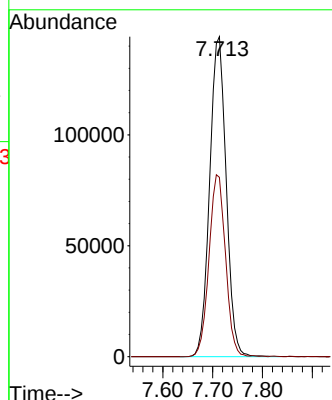
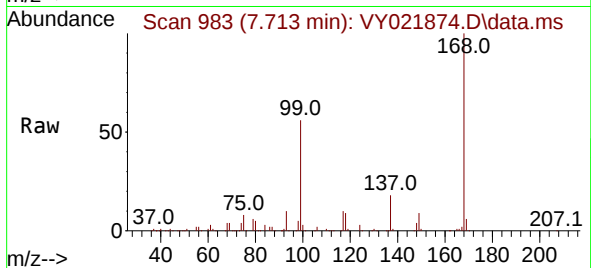




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

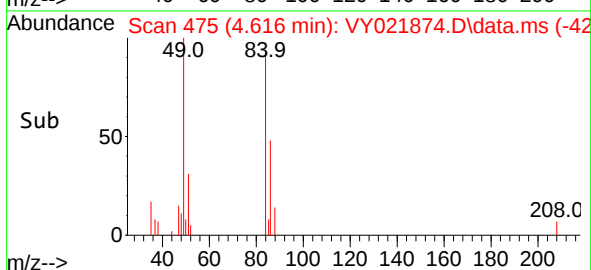
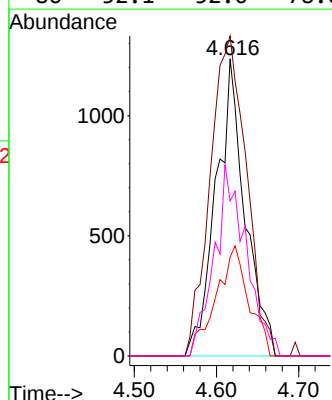
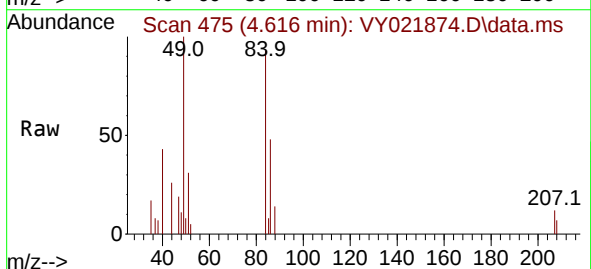
Instrument :
MSVOA_Y
ClientSampleId :
TP-22-VOC

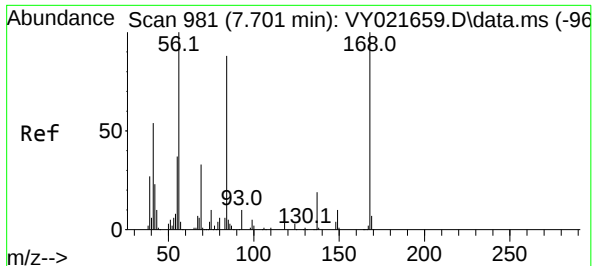
Tgt Ion:168 Resp: 331639
Ion Ratio Lower Upper
168 100
99 56.1 46.7 70.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

Tgt Ion: 84 Resp: 3055
Ion Ratio Lower Upper
84 100
49 107.7 102.8 154.2
51 33.3 33.5 50.3#
86 52.1 52.0 78.0

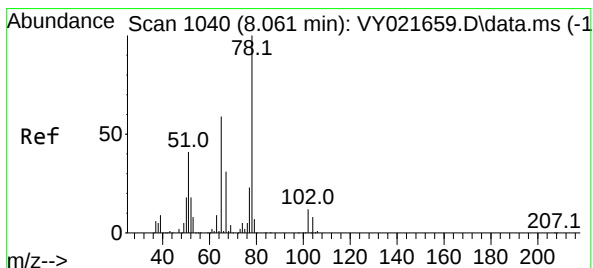
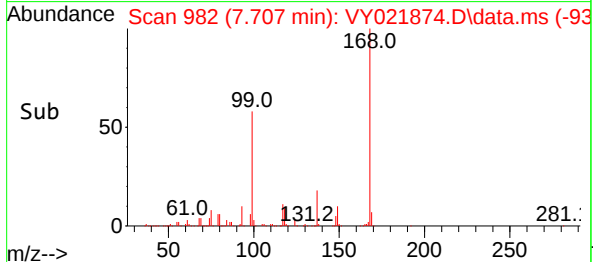
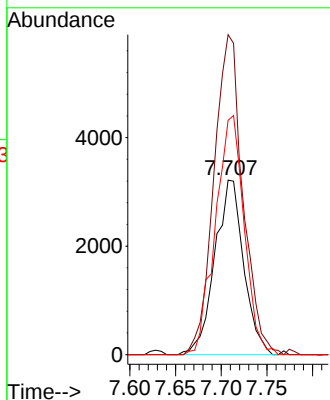
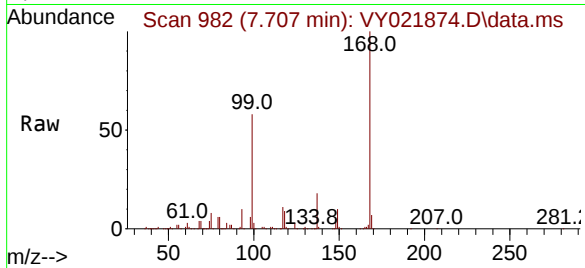




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

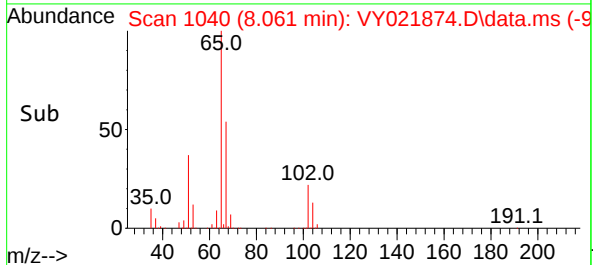
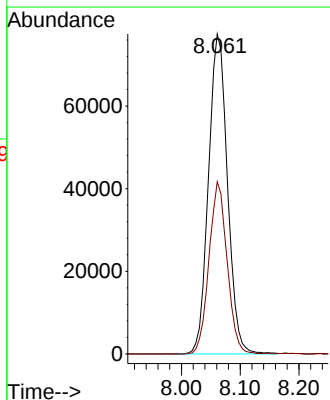
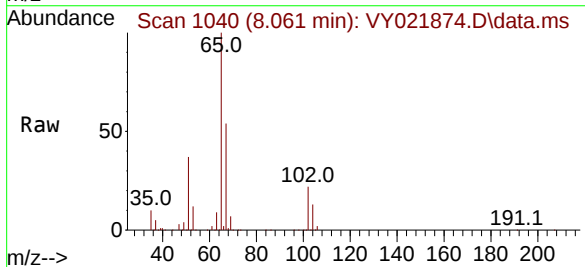
Instrument :
MSVOA_Y
ClientSampleId :
TP-22-VOC

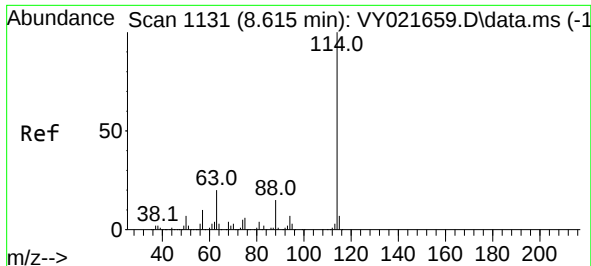
Tgt Ion: 56 Resp: 7073
Ion Ratio Lower Upper
56 100
69 183.3 26.6 40.0#
84 134.2 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 48.414 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

Tgt Ion: 65 Resp: 173963
Ion Ratio Lower Upper
65 100
67 51.4 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: VY021874.D

Acq: 14 Apr 2025 17:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-22-VOC

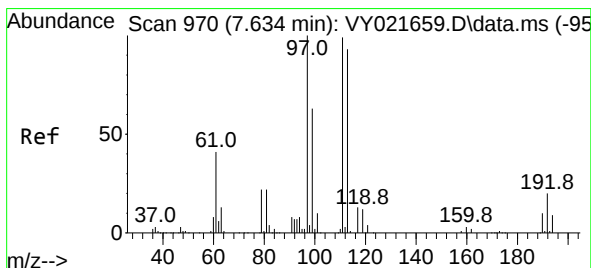
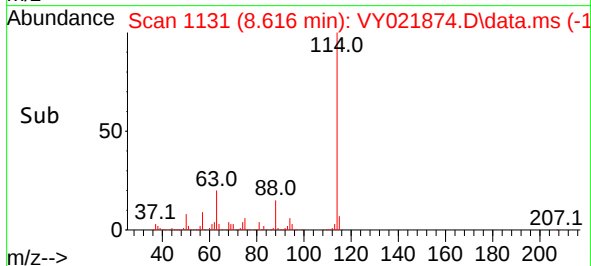
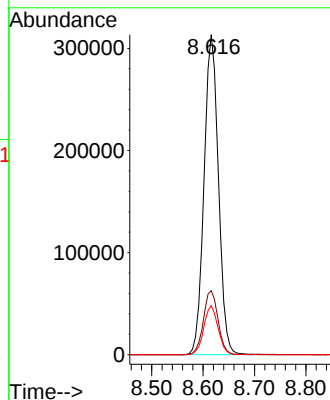
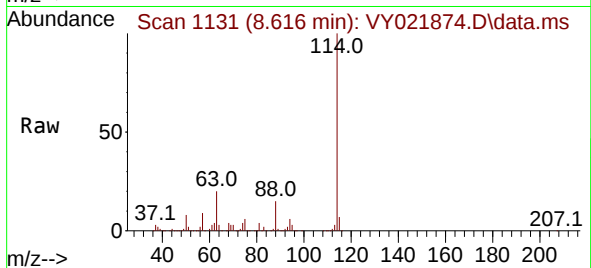
Tgt Ion:114 Resp: 608419

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.249 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021874.D

Acq: 14 Apr 2025 17:00

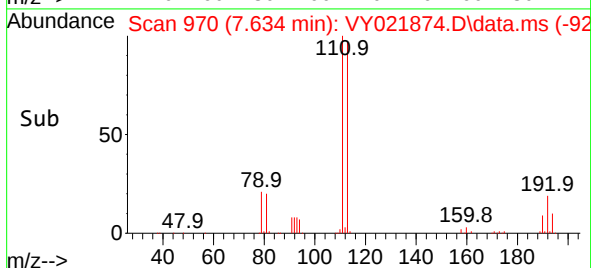
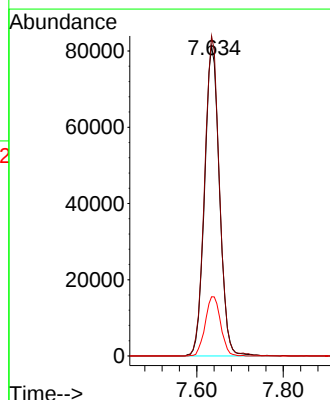
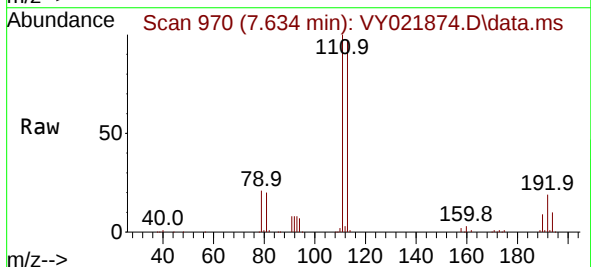
Tgt Ion:113 Resp: 194371

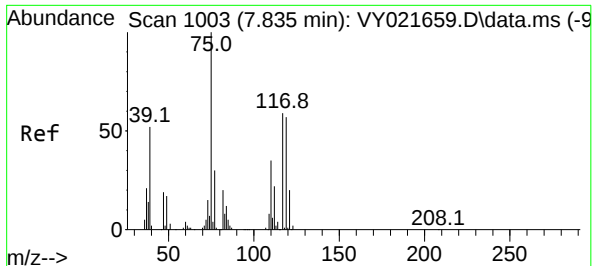
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021874.D

Acq: 14 Apr 2025 17:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-22-VOC

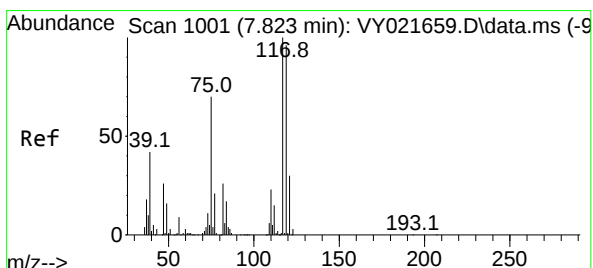
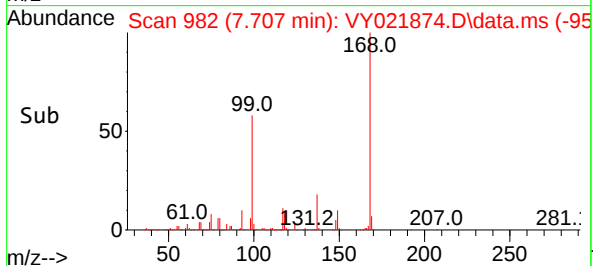
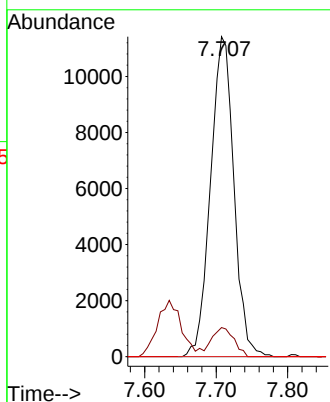
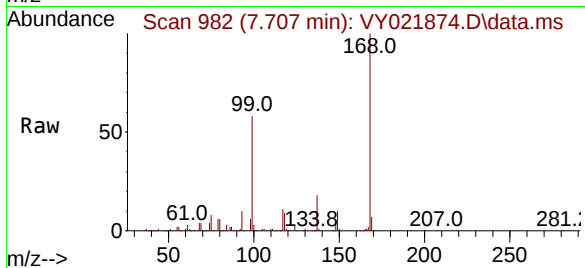
Tgt Ion: 75 Resp: 25901

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.994 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021874.D

Acq: 14 Apr 2025 17:00

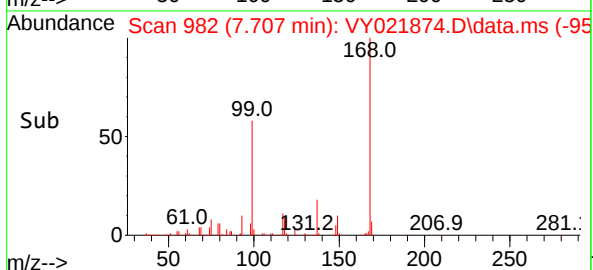
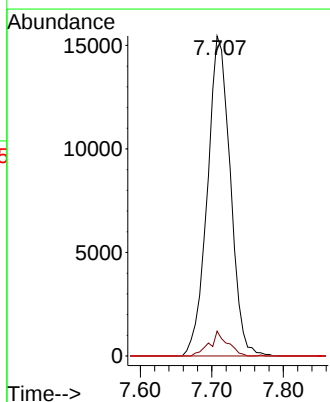
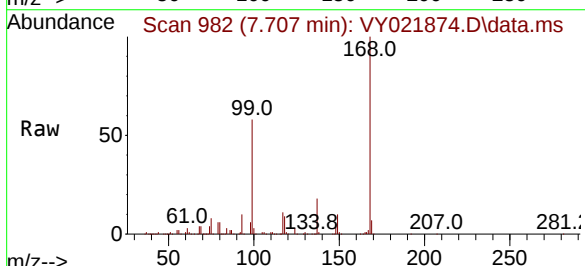
Tgt Ion: 117 Resp: 34385

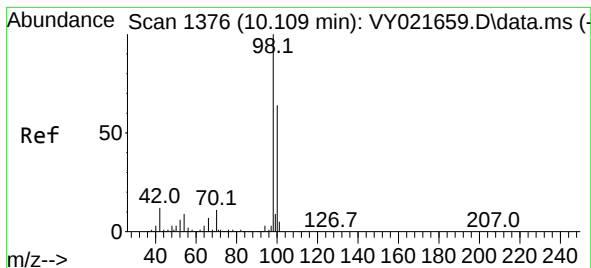
Ion Ratio Lower Upper

117 100

119 7.7 76.2 114.4#

121 0.0 24.2 36.4#

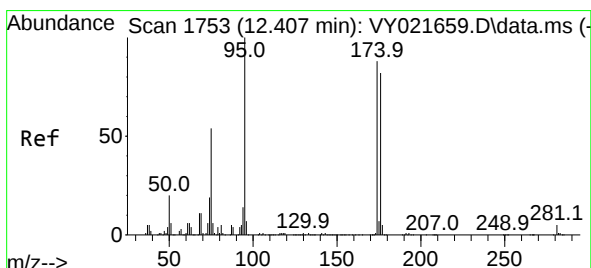
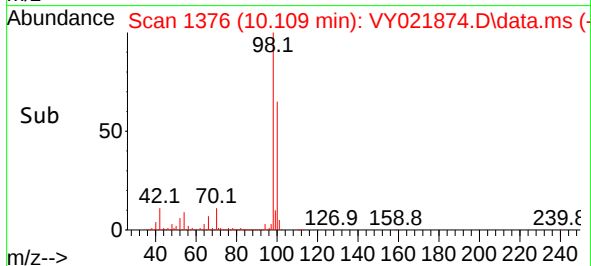
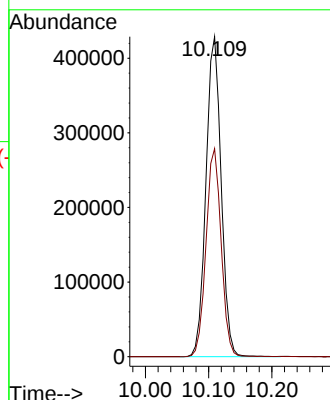
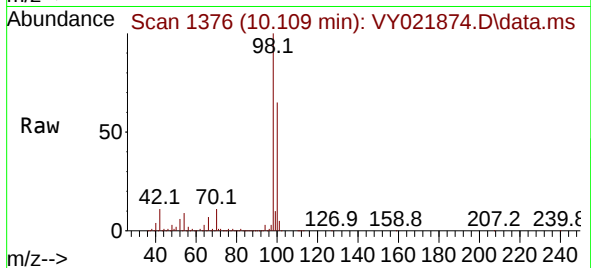




#50
Toluene-d8
Concen: 47.789 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

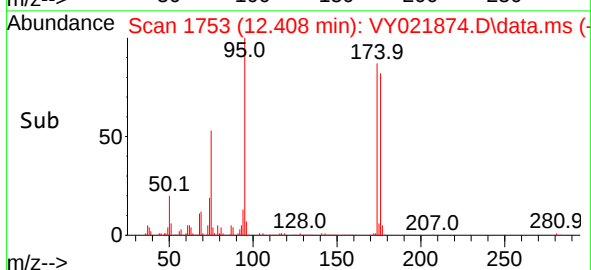
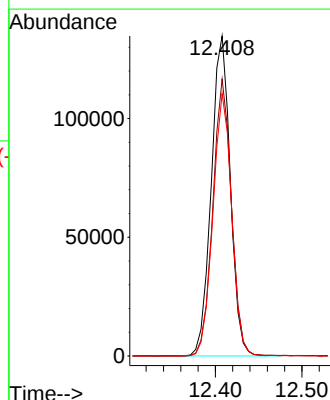
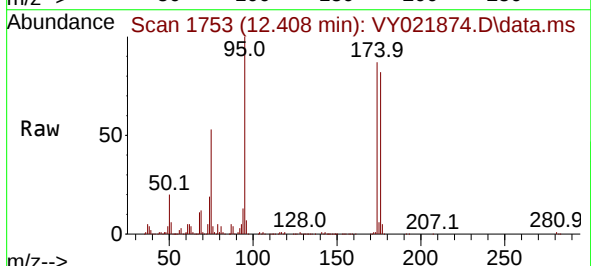
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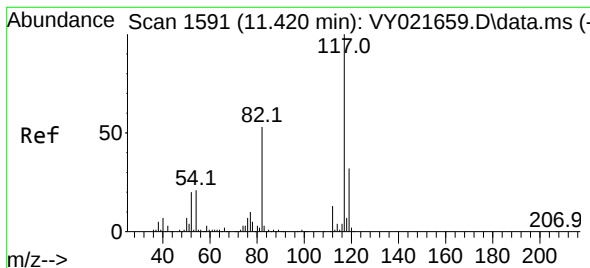
Tgt Ion: 98 Resp: 717528
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.504 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

Tgt Ion: 95 Resp: 205703
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.8
176 81.1 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: VY021874.D

Acq: 14 Apr 2025 17:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-22-VOC

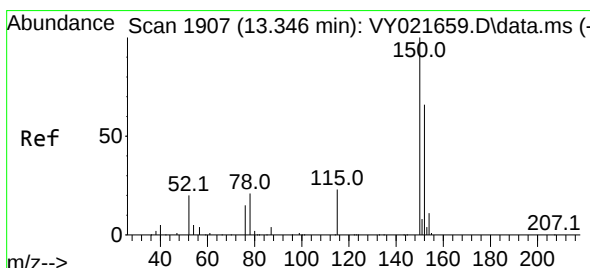
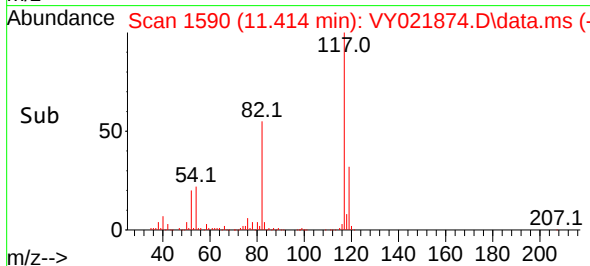
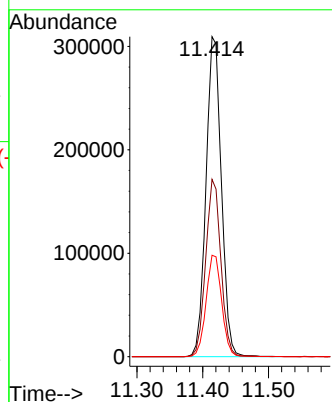
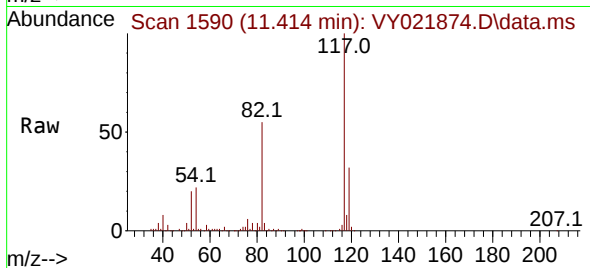
Tgt Ion:117 Resp: 503140

Ion Ratio Lower Upper

117 100

82 55.4 42.8 64.2

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021874.D

Acq: 14 Apr 2025 17:00

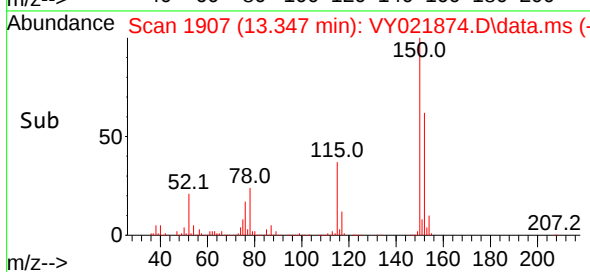
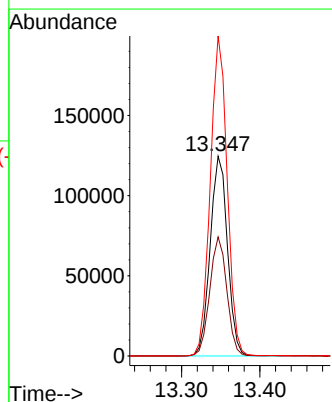
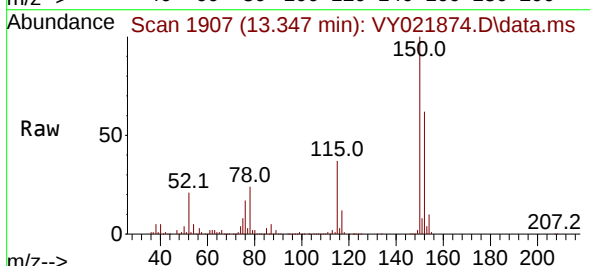
Tgt Ion:152 Resp: 190893

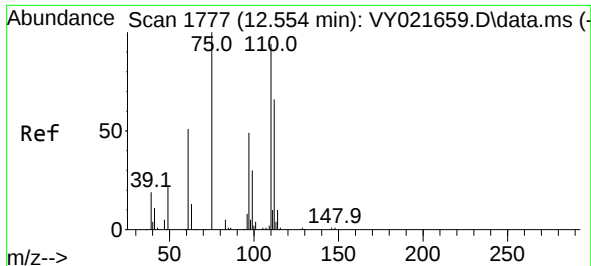
Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 156.4 0.0 348.4

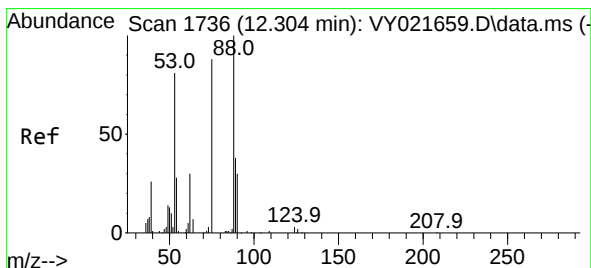
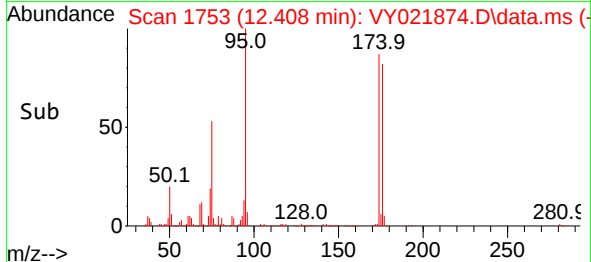
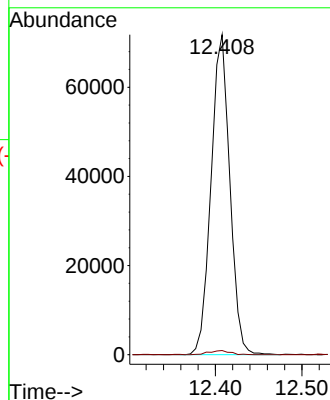
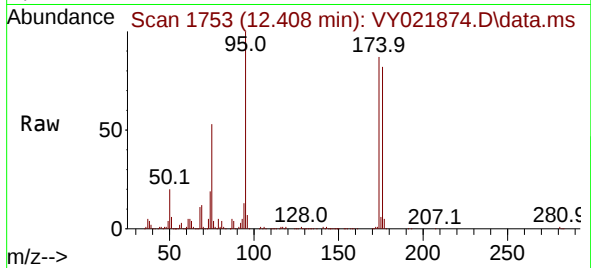




#76
1,2,3-Trichloropropane
Concen: 57.098 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

Instrument :
MSVOA_Y
ClientSampleId :
TP-22-VOC

Tgt Ion: 75 Resp: 108044
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.564 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021874.D
Acq: 14 Apr 2025 17:00

Tgt Ion: 75 Resp: 108044
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

