

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021464.D
 Acq On : 07 Mar 2025 16:25
 Operator : SY/MD
 Sample : Q1514-05
 Misc : 7.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-103-SB01

Quant Time: Mar 07 22:02:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

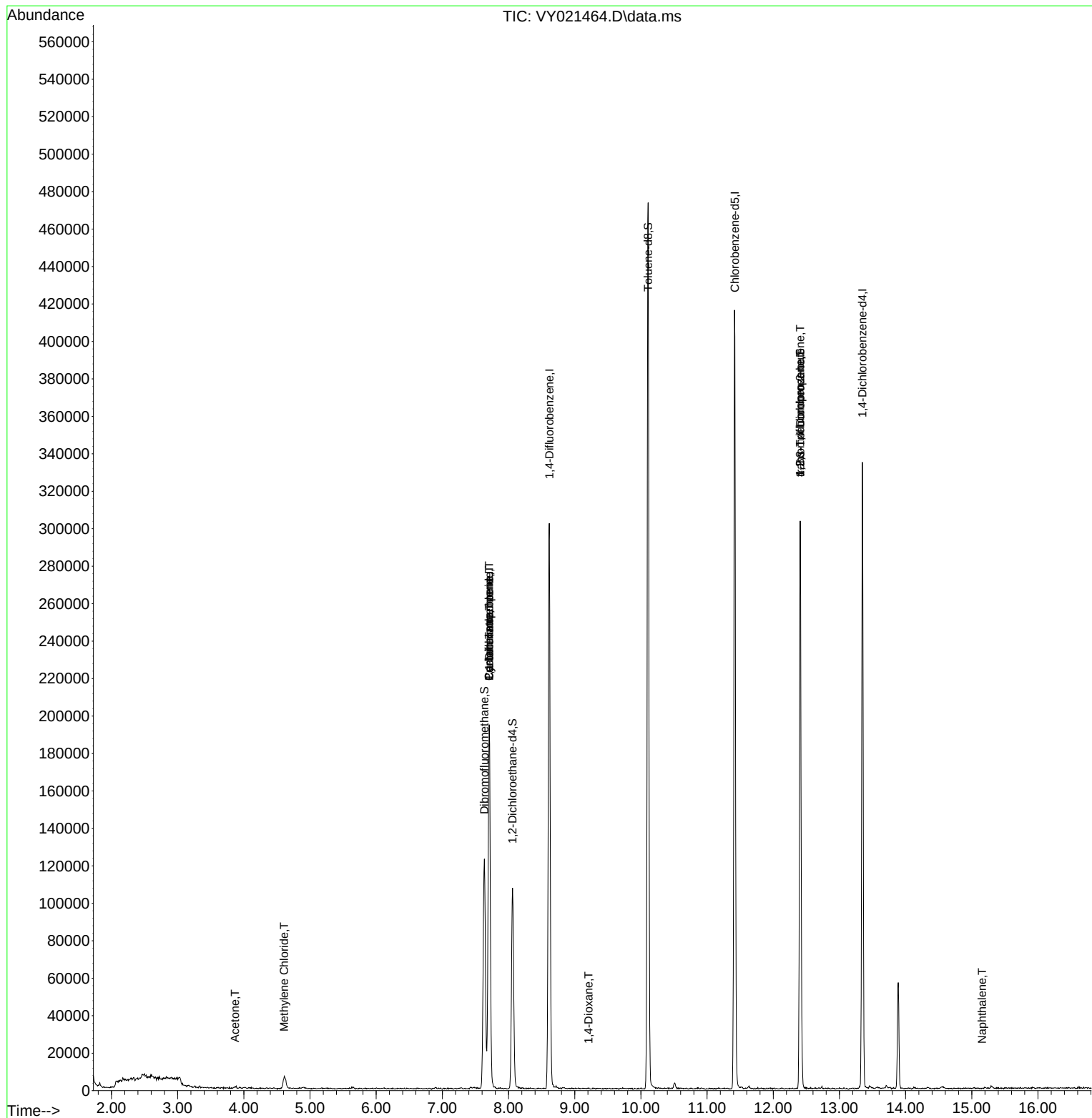
Internal Standards						
1) Pentafluorobenzene	7.707	168	143871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	251494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	216148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	79219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87311	57.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.840%	
35) Dibromofluoromethane	7.634	113	86506	52.329	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.660%	
50) Toluene-d8	10.109	98	303113	48.427	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.860%	
62) 4-Bromofluorobenzene	12.408	95	83801	39.359	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	95	Below Cal	#	72
16) Acetone	3.866	43	1419	4.278	ug/l	92
20) Methylene Chloride	4.610	84	4361	2.505	ug/l #	81
31) Cyclohexane	7.707	56	3522	1.237	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	11986	4.632	ug/l #	50
38) Carbon Tetrachloride	7.707	117	14855	4.992	ug/l #	19
49) 1,4-Dioxane	9.207	88	24	2.422	ug/l #	13
76) 1,2,3-Trichloropropane	12.408	75	47076	58.972	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	47076	134.062	ug/l #	9
95) Naphthalene	15.157	128	118	1.504	ug/l #	69

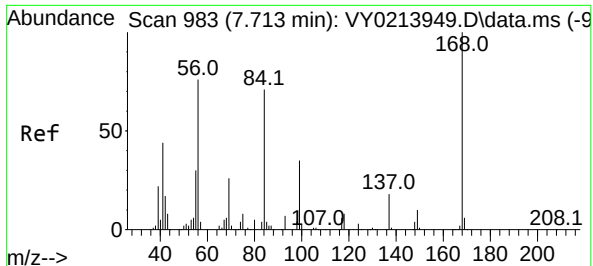
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

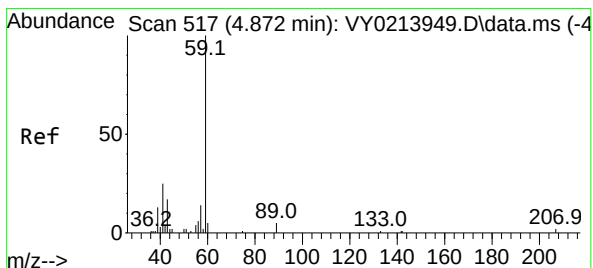
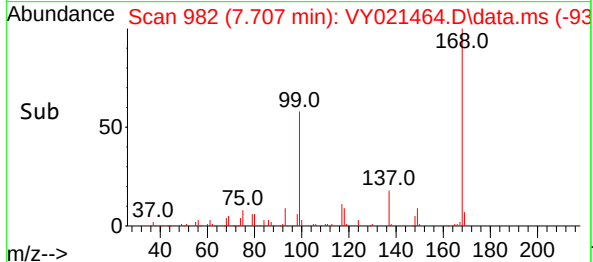
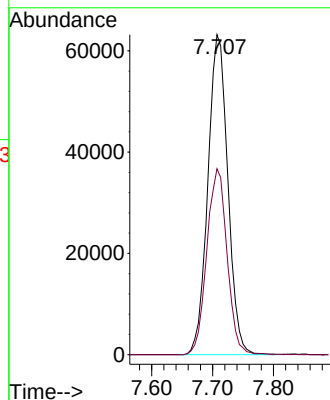
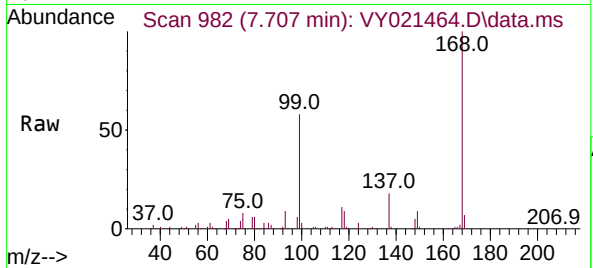




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

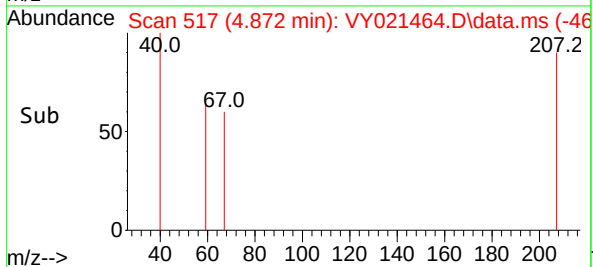
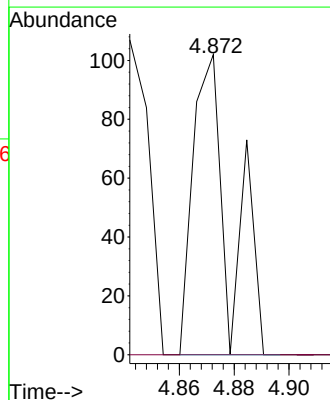
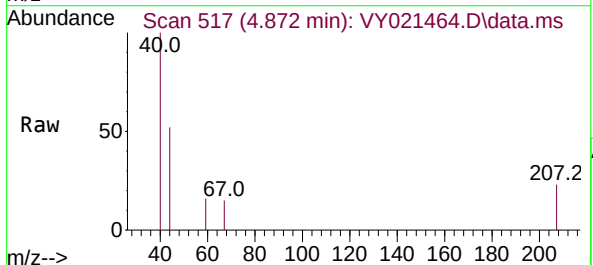
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

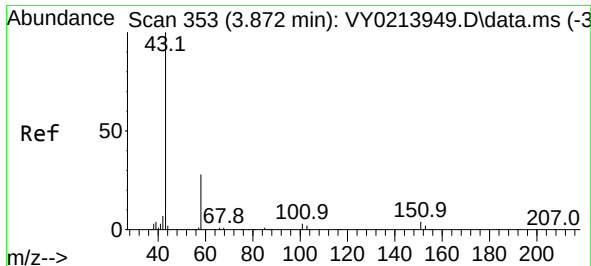
Tgt Ion:168 Resp: 143871
Ion Ratio Lower Upper
168 100
99 58.1 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.872 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

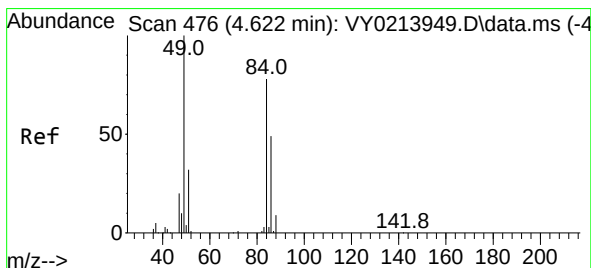
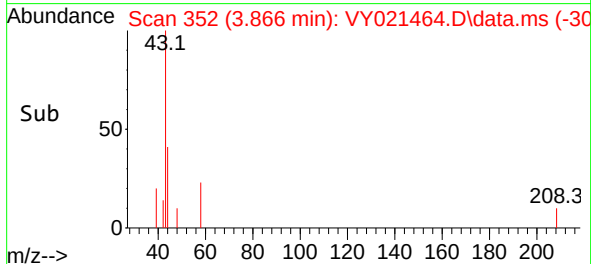
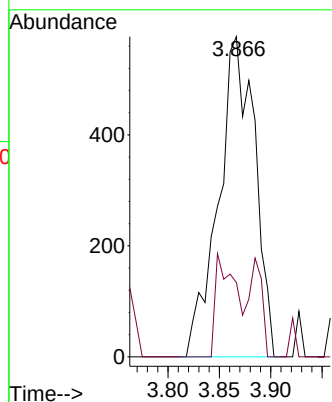
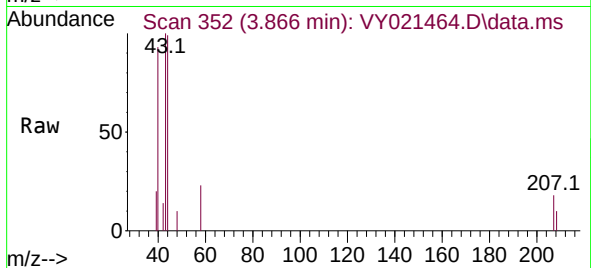




#16
Acetone
Concen: 4.278 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

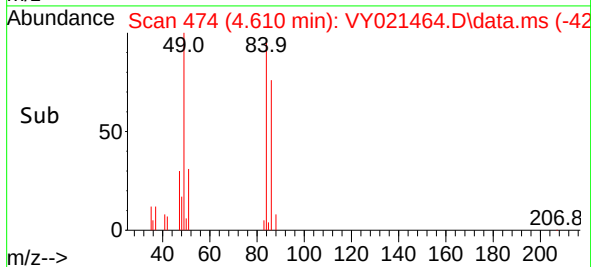
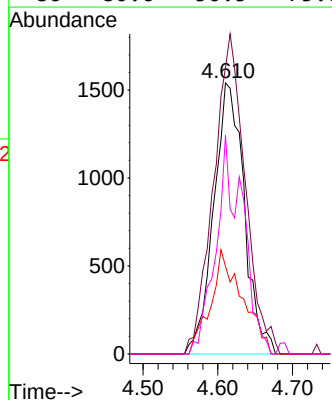
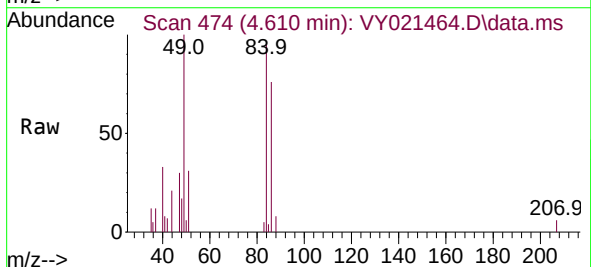
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

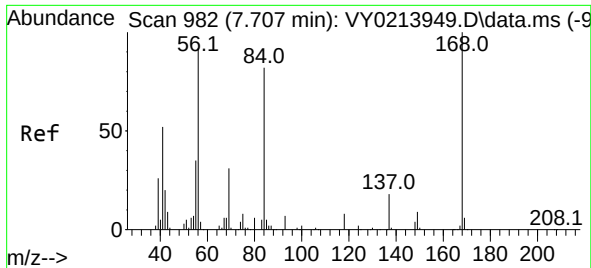
Tgt Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
58 23.2 22.1 33.1



#20
Methylene Chloride
Concen: 2.505 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion: 84 Resp: 4361
Ion Ratio Lower Upper
84 100
49 105.6 102.0 153.0
51 32.3 33.0 49.6#
86 80.6 50.5 75.7#

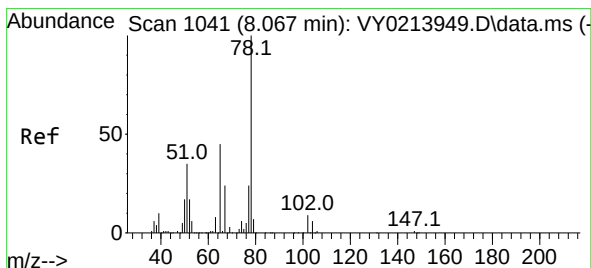
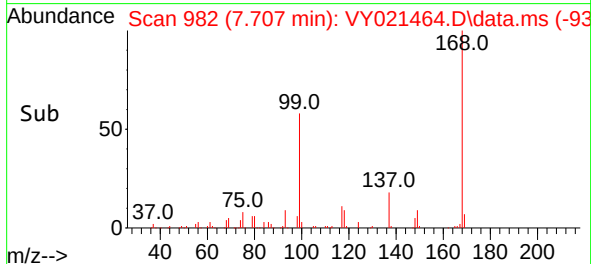
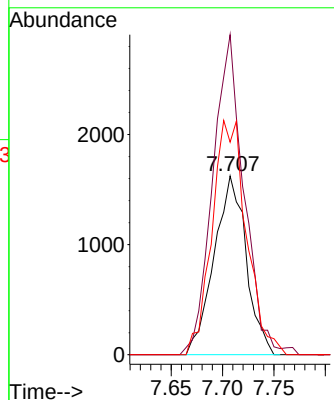
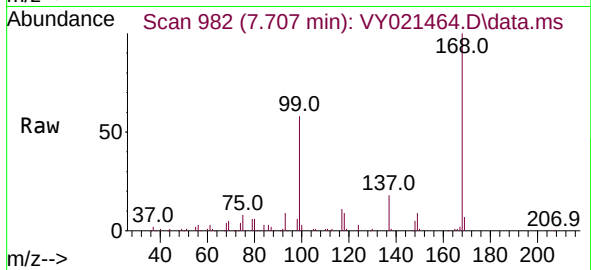




#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

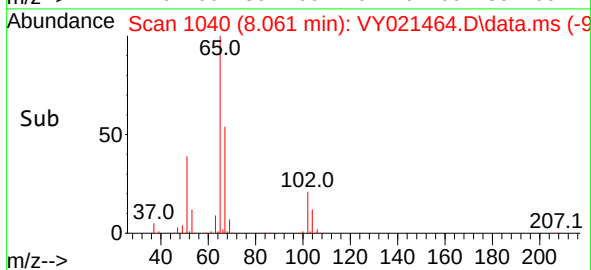
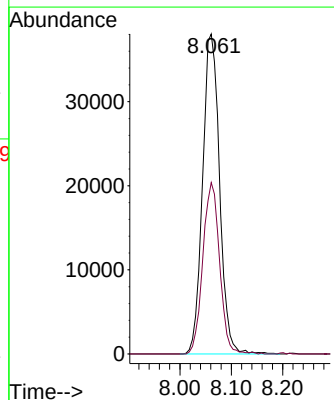
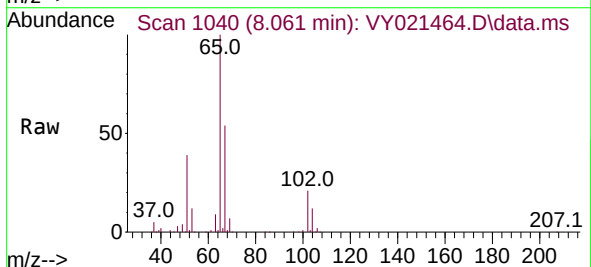
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

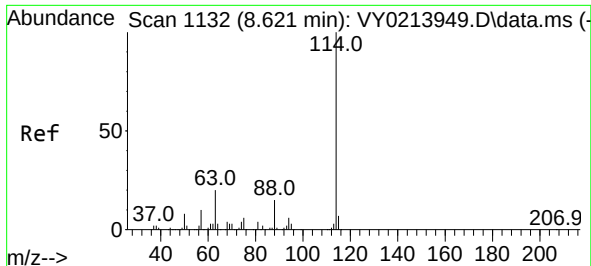
Tgt Ion: 56 Resp: 3522
Ion Ratio Lower Upper
56 100
69 179.1 27.0 40.4#
84 118.9 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 57.418 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion: 65 Resp: 87311
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.8

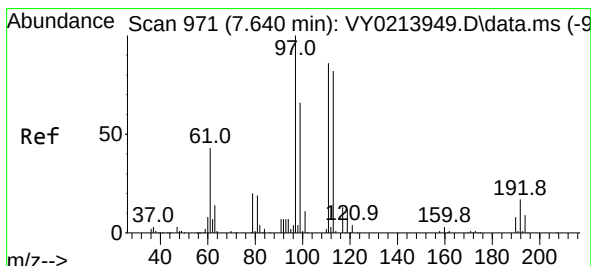
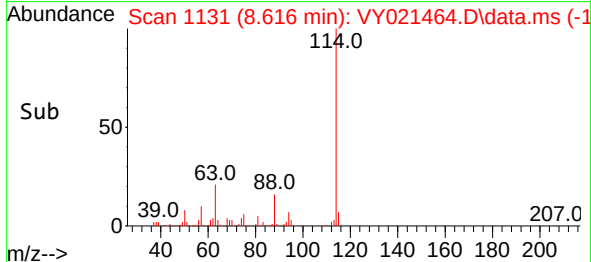
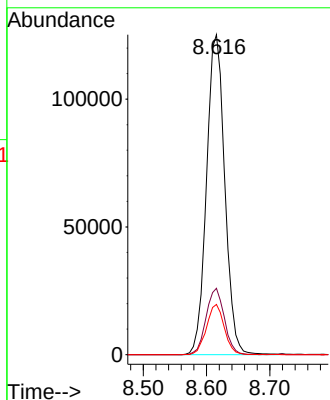
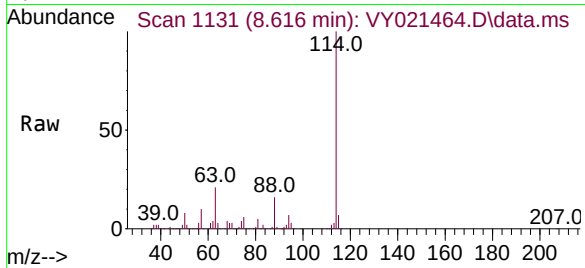




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

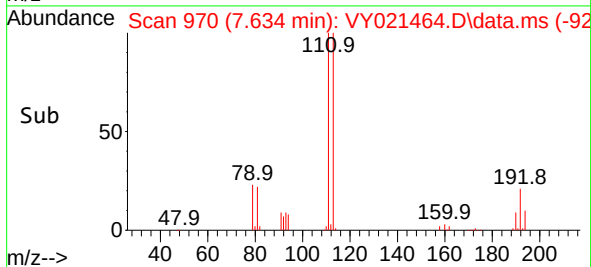
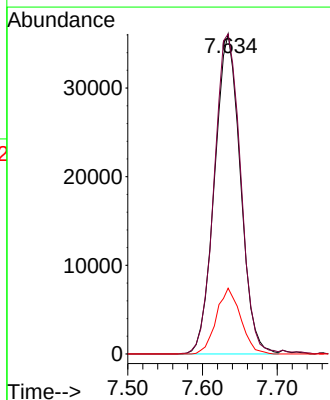
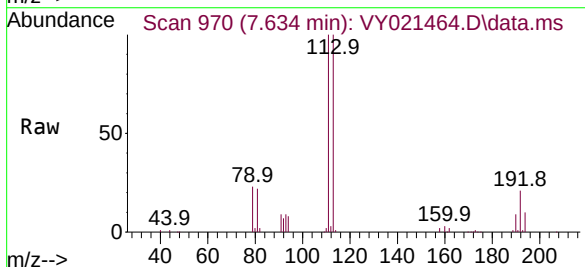
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

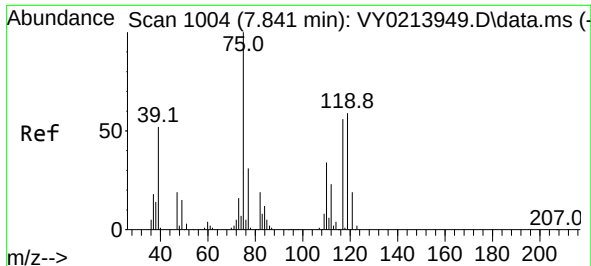
Tgt Ion:114 Resp: 251494
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.329 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion:113 Resp: 86506
Ion Ratio Lower Upper
113 100
111 103.1 82.0 123.0
192 19.4 15.9 23.9

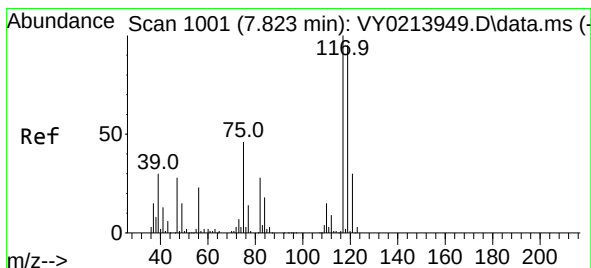
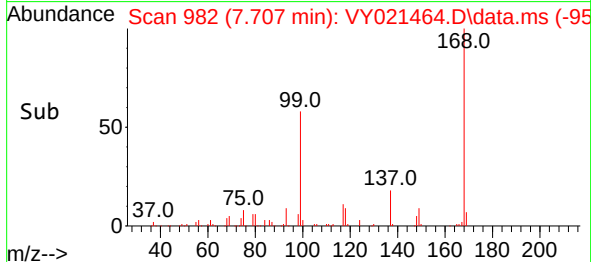
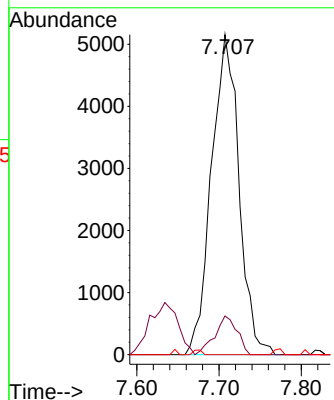
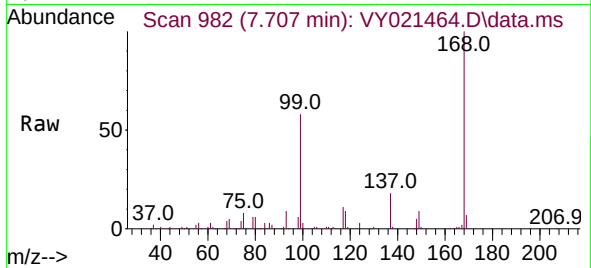




#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

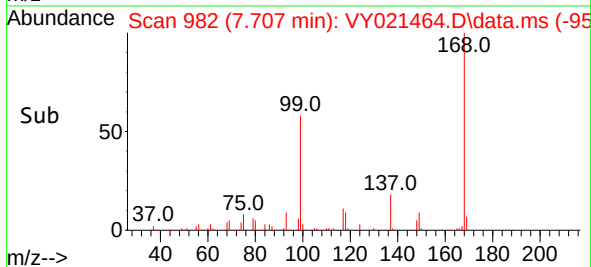
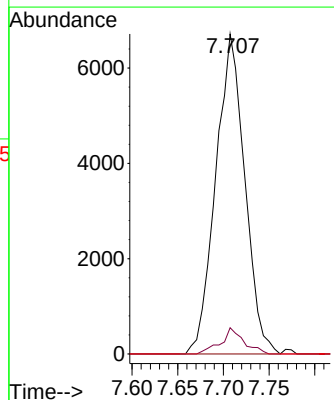
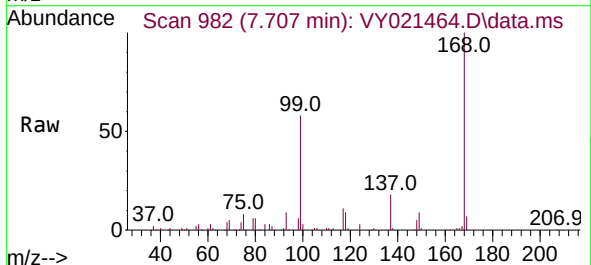
Instrument :
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ENV-103-SB01

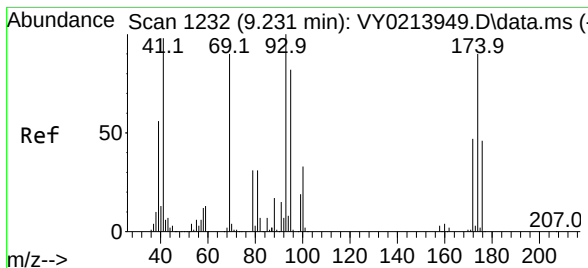
Tgt Ion: 75 Resp: 11986
Ion Ratio Lower Upper
75 100
110 9.8 17.3 51.7#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.992 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion: 117 Resp: 14855
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.8#
121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 2.422 ug/l

RT: 9.207 min Scan# 11

Delta R.T. -0.024 min

Lab File: VY021464.D

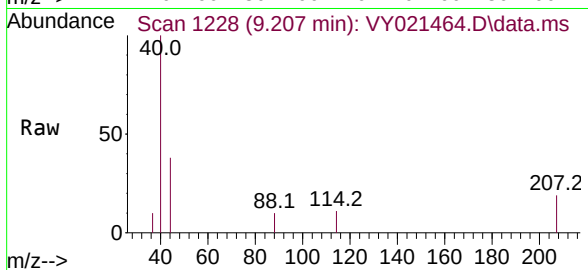
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Instrument :

MSVOA_Y

ClientSampleId :

ENV-103-SB01



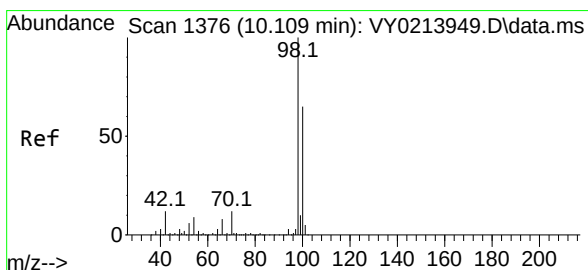
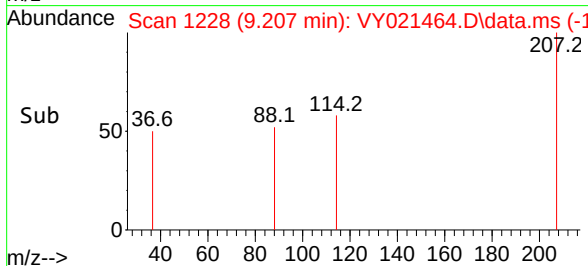
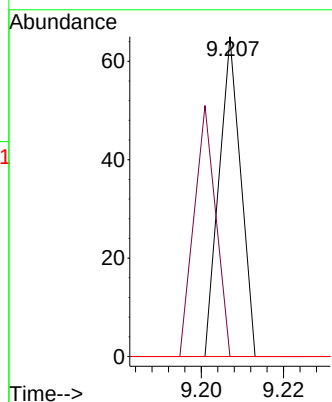
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 79.2 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 48.427 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021464.D

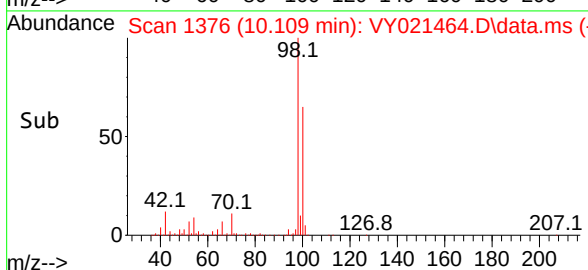
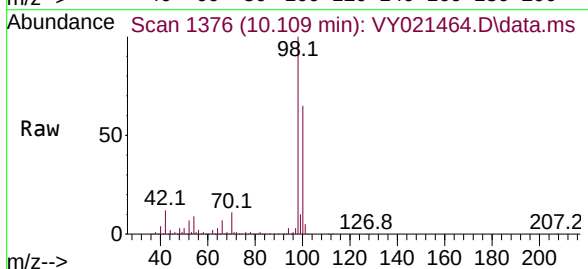
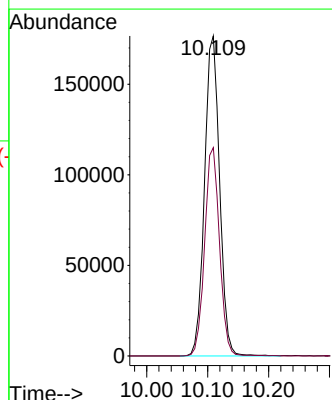
Acq: 07 Mar 2025 16:25

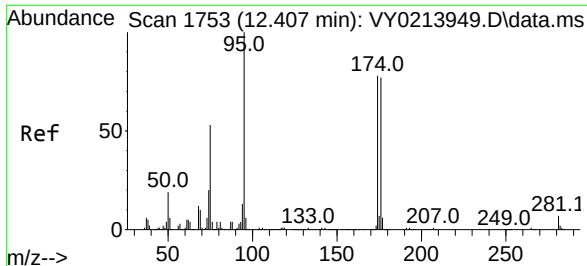
Tgt Ion: 98 Resp: 303113

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 39.359 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021464.D

Acq: 07 Mar 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

ENV-103-SB01

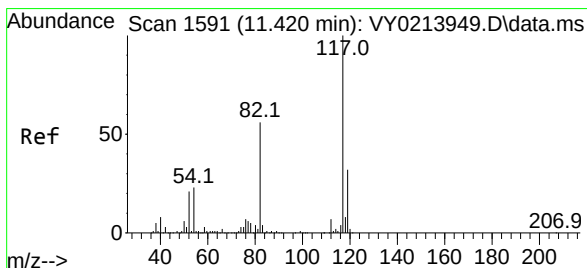
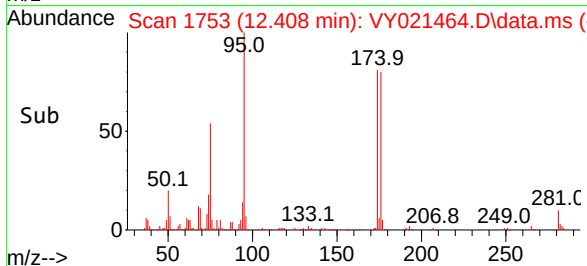
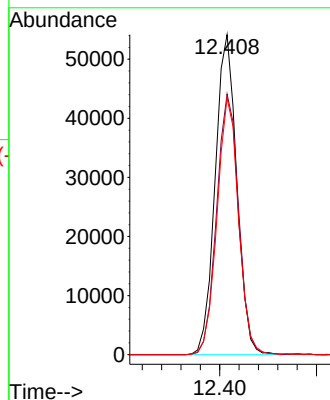
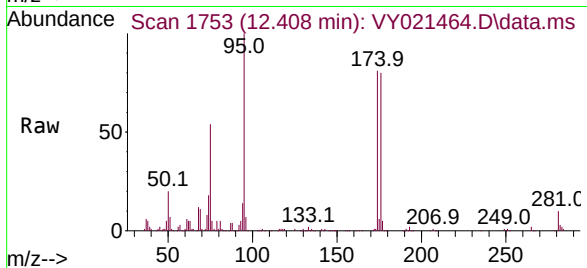
Tgt Ion: 95 Resp: 83801

Ion Ratio Lower Upper

95 100

174 83.1 0.0 165.0

176 79.8 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021464.D

Acq: 07 Mar 2025 16:25

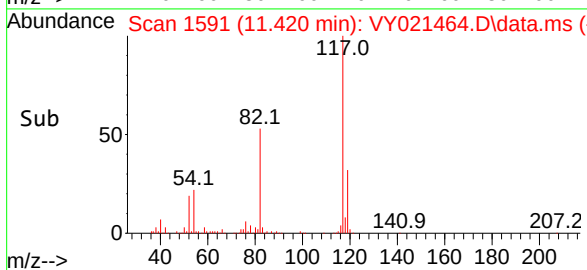
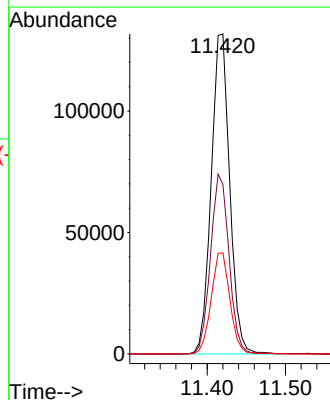
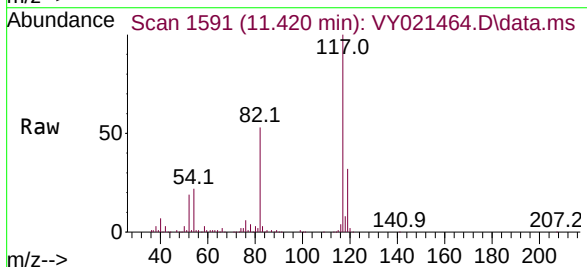
Tgt Ion: 117 Resp: 216148

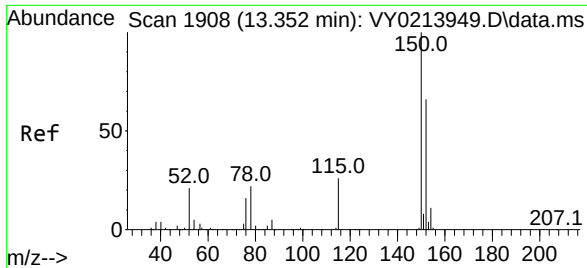
Ion Ratio Lower Upper

117 100

82 52.9 44.6 67.0

119 31.6 25.4 38.0

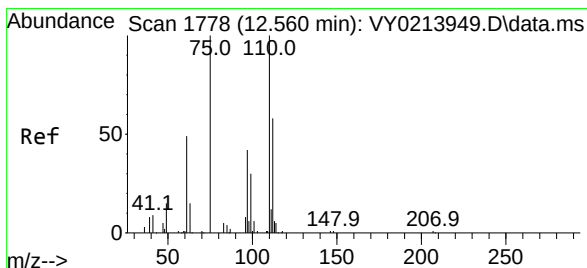
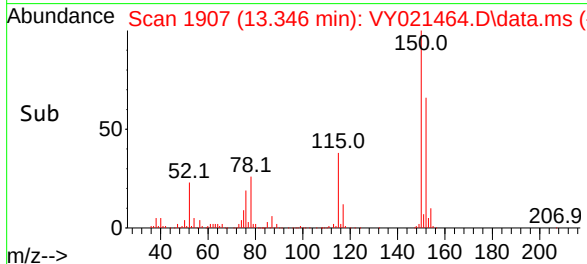
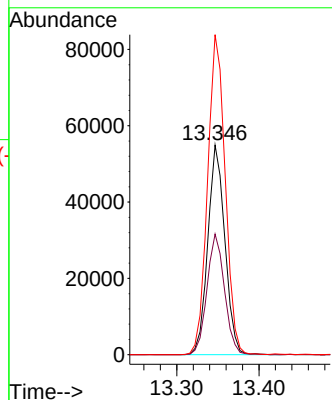
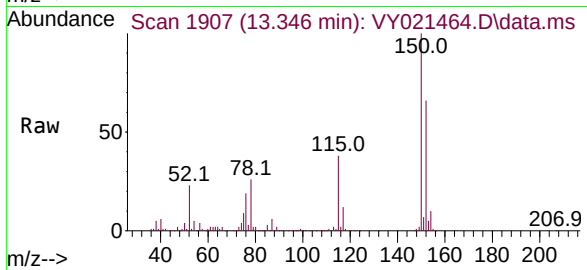




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021464.D
 Acq: 07 Mar 2025 16:25

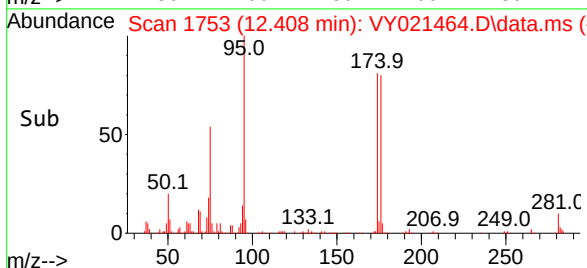
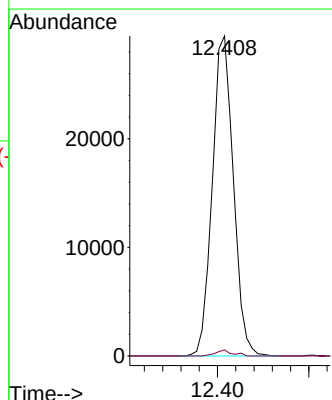
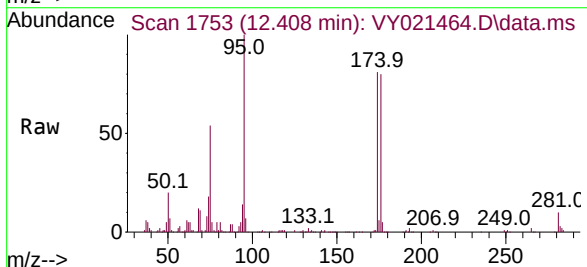
Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-103-SB01

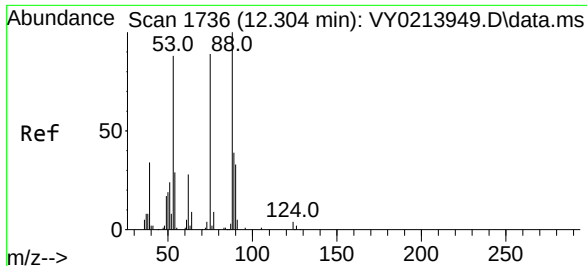
Tgt Ion:152 Resp: 79219
 Ion Ratio Lower Upper
 152 100
 115 59.0 29.0 87.0
 150 157.6 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 58.972 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021464.D
 Acq: 07 Mar 2025 16:25

Tgt Ion: 75 Resp: 47076
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

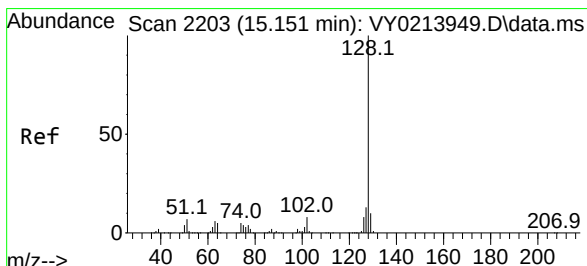
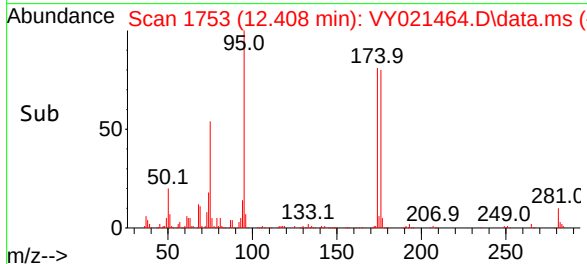
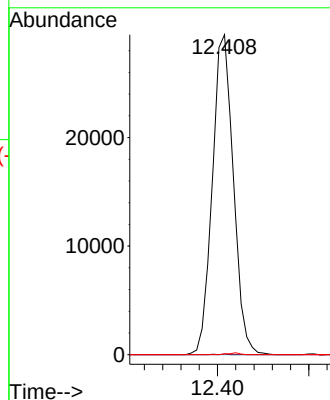
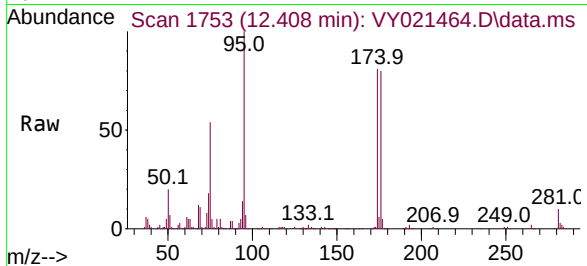




#81
trans-1,4-Dichloro-2-butene
Concen: 134.062 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion: 75 Resp: 47076
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.3 36.9 55.3#



#95
Naphthalene
Concen: 1.504 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion:128 Resp: 118
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

