

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021480.D
 Acq On : 11 Mar 2025 12:48
 Operator : SY/MD
 Sample : Q1514-05
 Misc : 7.60g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-103-SB01

Quant Time: Mar 12 01:24:17 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)

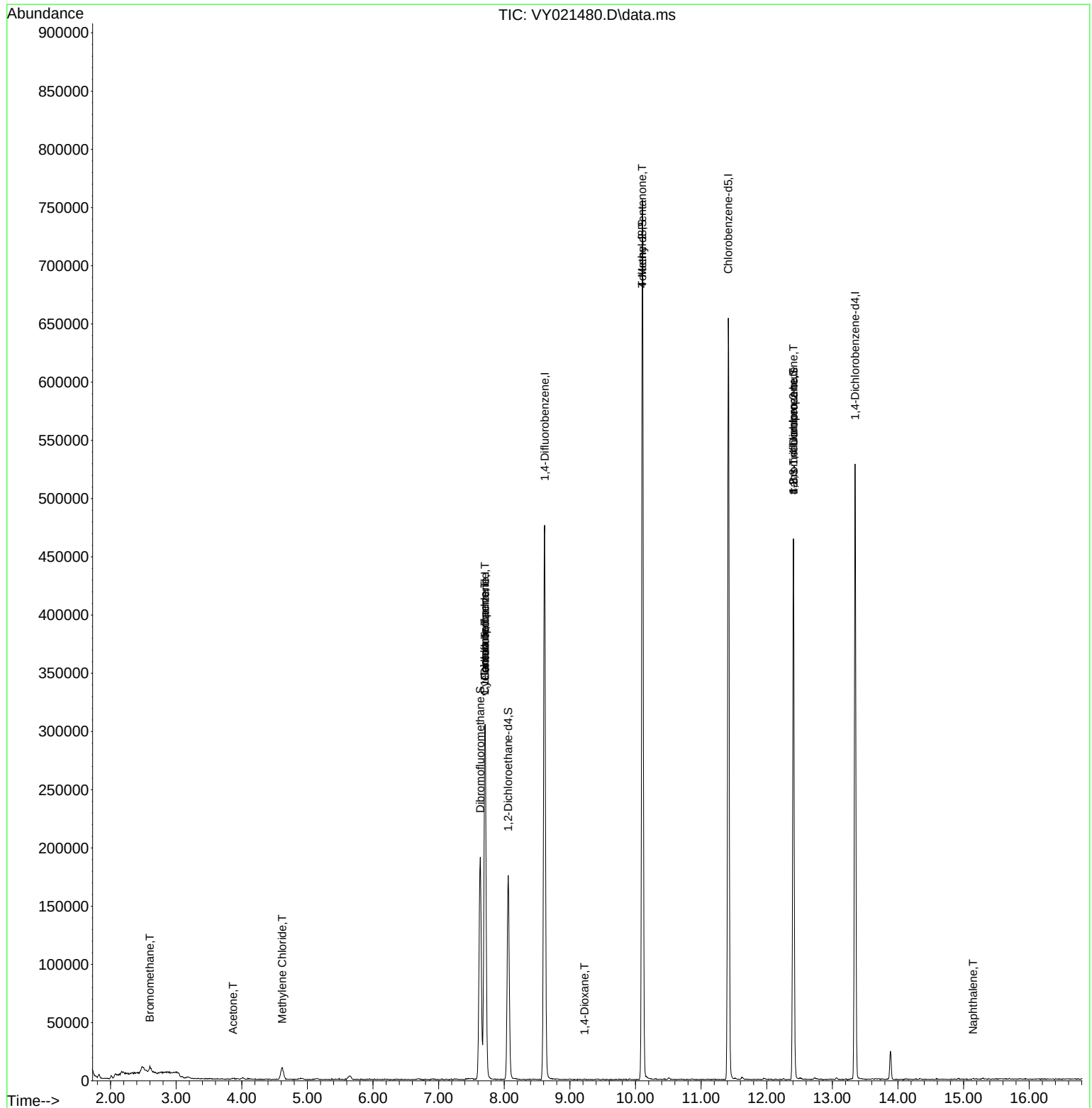
Internal Standards						
1) Pentafluorobenzene	7.707	168	233794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	402762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	340384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139449	56.433	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.860%
35) Dibromofluoromethane	7.634	113	134348	50.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.500%
50) Toluene-d8	10.103	98	479026	47.788	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.580%
62) 4-Bromofluorobenzene	12.407	95	137856	40.430	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	2830	1.185	ug/l	90
11) Tert butyl alcohol	4.860	59	306	Below Cal	#	72
16) Acetone	3.866	43	1356	2.516	ug/l	# 76
20) Methylene Chloride	4.616	84	7266	2.568	ug/l	# 94
31) Cyclohexane	7.701	56	5335	1.153	ug/l	# 27
36) 1,1-Dichloropropene	7.701	75	18973	4.578	ug/l	# 51
38) Carbon Tetrachloride	7.707	117	23542	4.940	ug/l	# 17
49) 1,4-Dioxane	9.225	88	19	1.197	ug/l	# 22
51) 4-Methyl-2-Pentanone	10.103	43	2343	1.277	ug/l	# 1
76) 1,2,3-Trichloropropane	12.407	75	73907	58.031	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	73907	131.923	ug/l	# 9
95) Naphthalene	15.145	128	781	1.677	ug/l	# 69

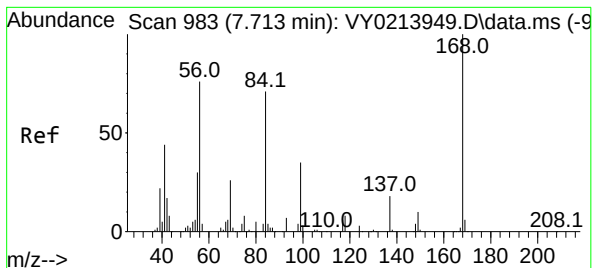
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 9

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

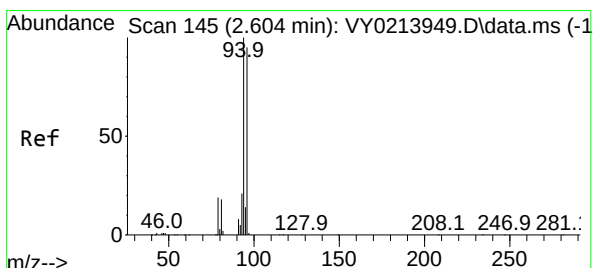
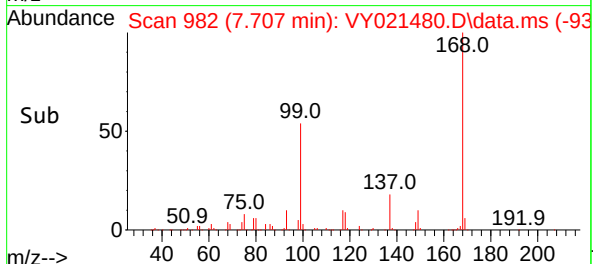
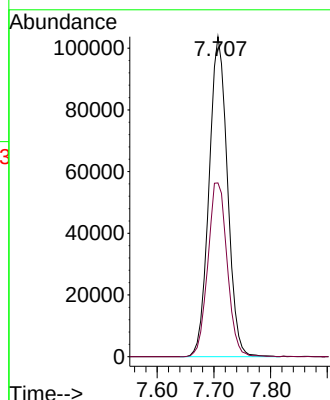
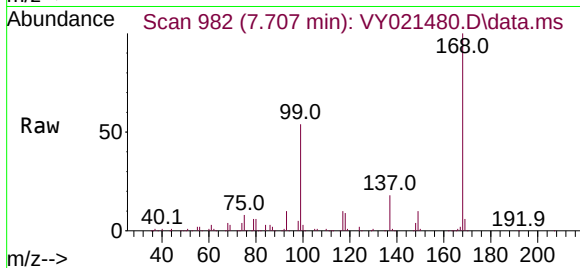
ENV-103-SB01

Tgt Ion:168 Resp: 233794

Ion Ratio Lower Upper

168 100

99 54.3 46.0 69.0



#5

Bromomethane

Concen: 1.185 ug/l

RT: 2.598 min Scan# 144

Delta R.T. -0.006 min

Lab File: VY021480.D

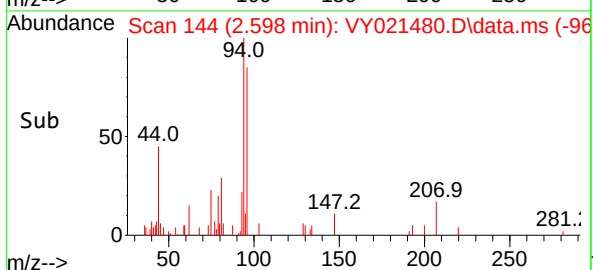
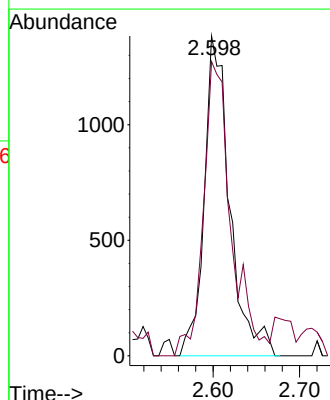
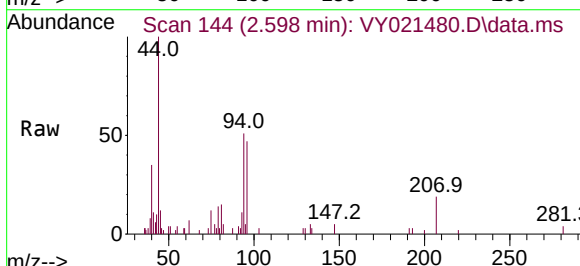
Acq: 11 Mar 2025 12:48

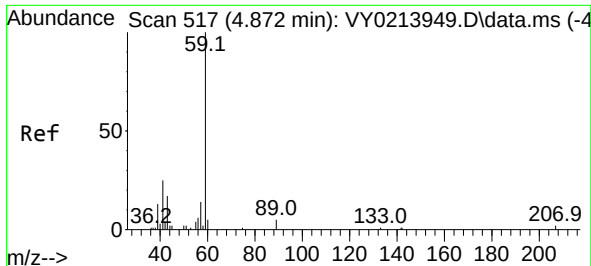
Tgt Ion: 94 Resp: 2830

Ion Ratio Lower Upper

94 100

96 85.9 76.3 114.5

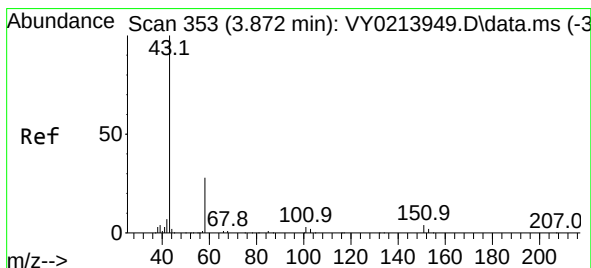
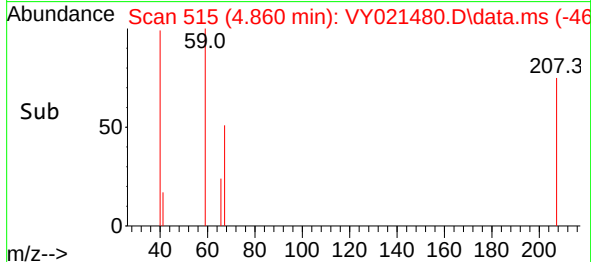
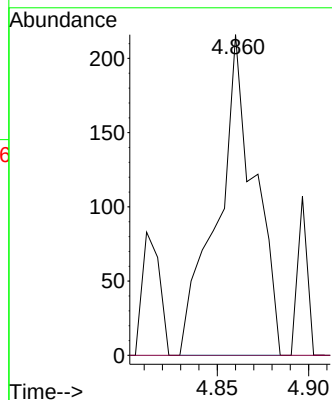
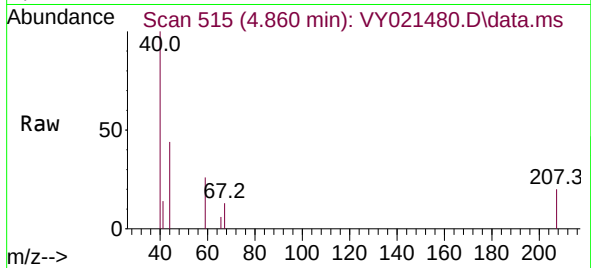




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

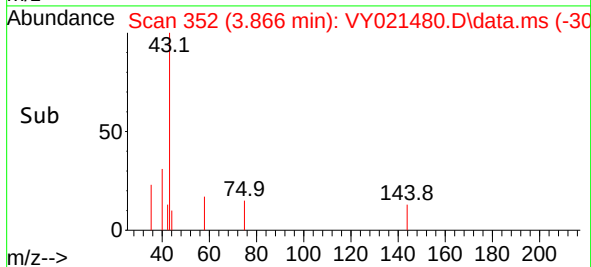
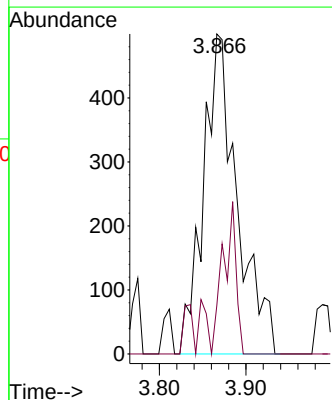
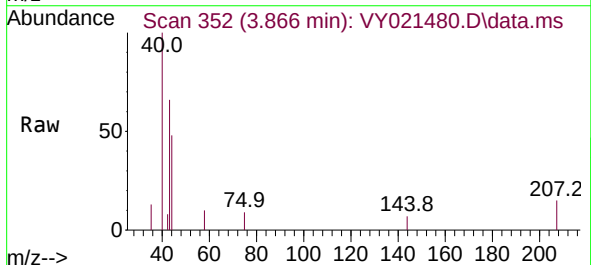
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

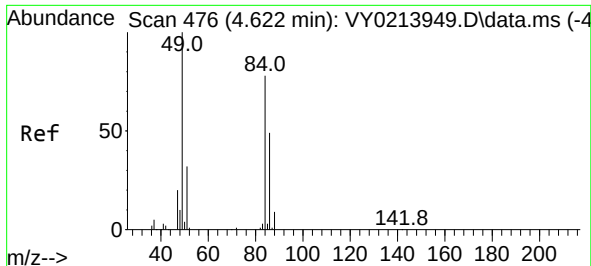
Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.516 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 43 Resp: 1356
Ion Ratio Lower Upper
43 100
58 15.2 22.1 33.1#





#20

Methylene Chloride

Concen: 2.568 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

ENV-103-SB01

Tgt Ion: 84 Resp: 7266

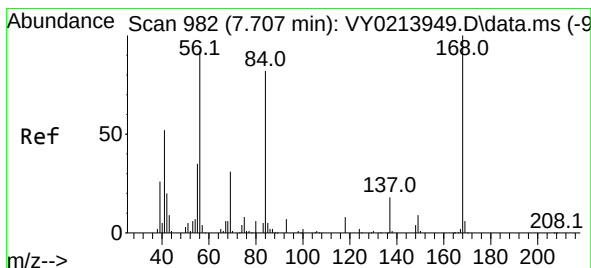
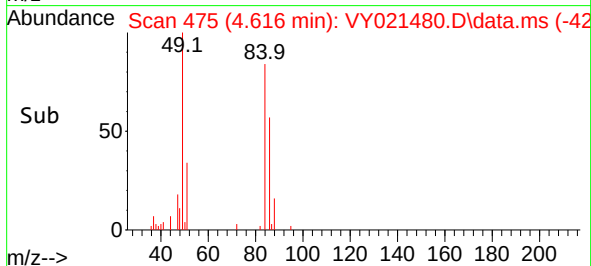
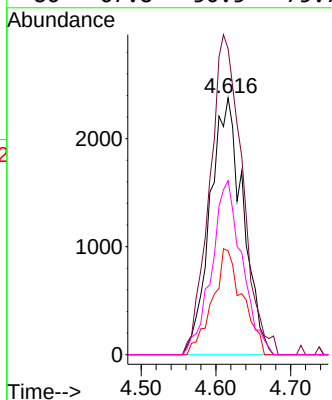
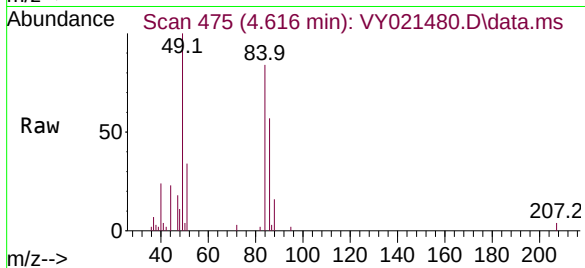
Ion Ratio Lower Upper

84 100

49 119.1 102.0 153.0

51 40.4 33.0 49.6

86 67.8 50.5 75.7



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

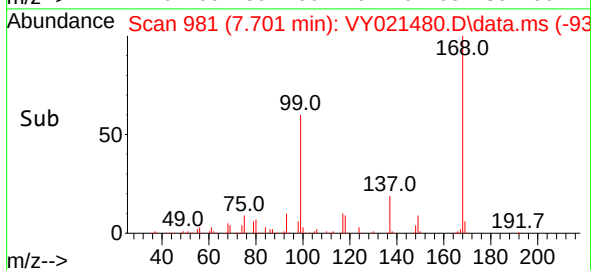
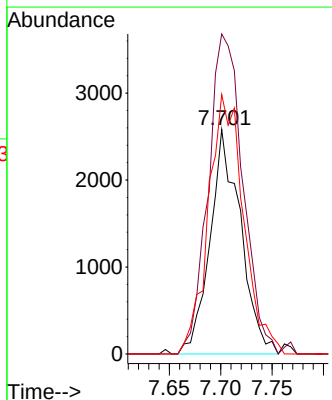
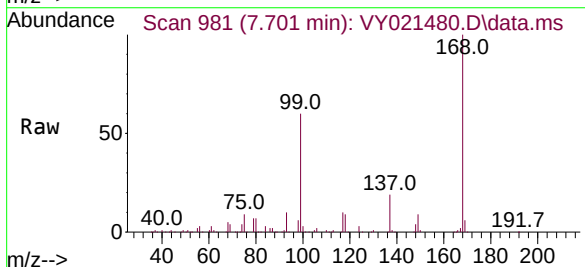
Tgt Ion: 56 Resp: 5335

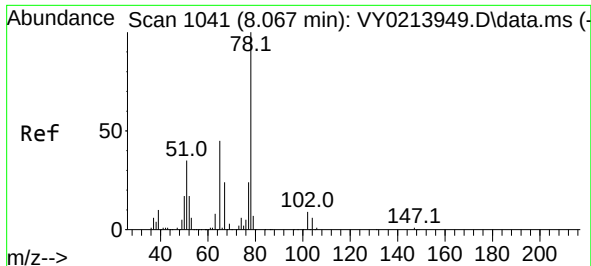
Ion Ratio Lower Upper

56 100

69 142.6 27.0 40.4#

84 115.6 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 56.433 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

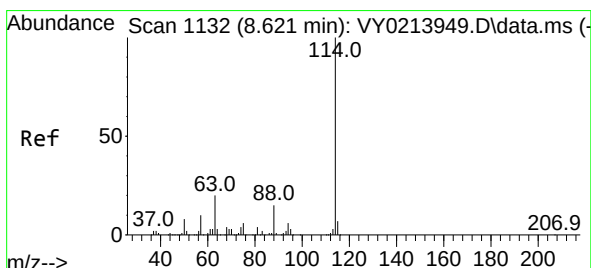
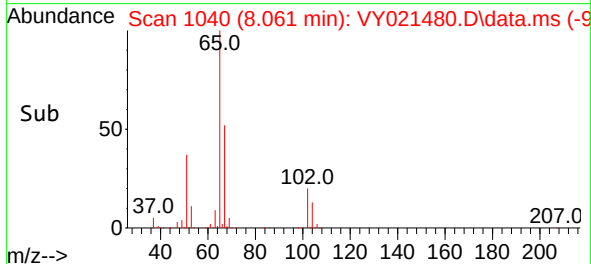
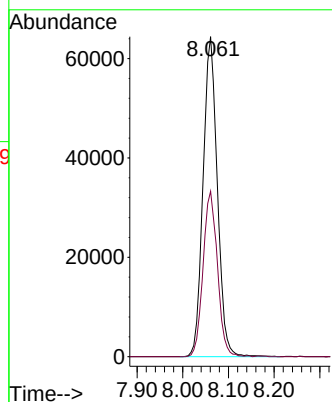
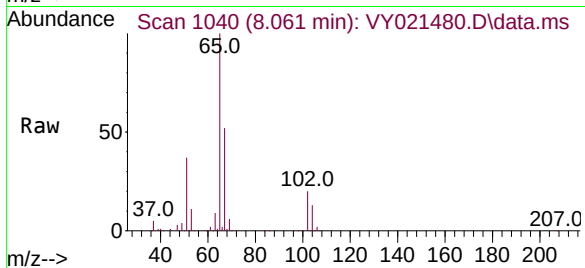
ENV-103-SB01

Tgt Ion: 65 Resp: 139449

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

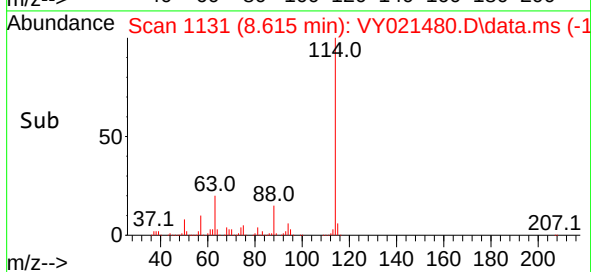
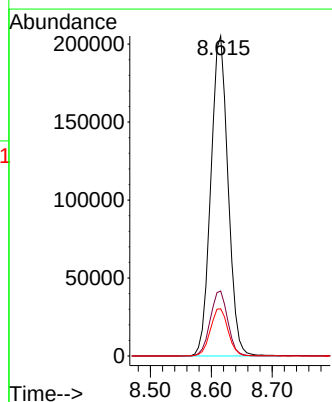
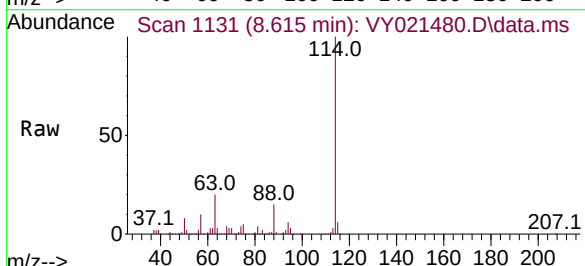
Tgt Ion: 114 Resp: 402762

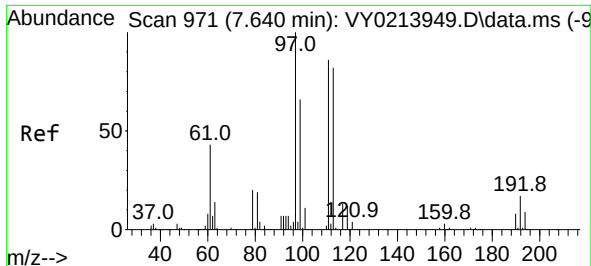
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 14.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.747 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

ENV-103-SB01

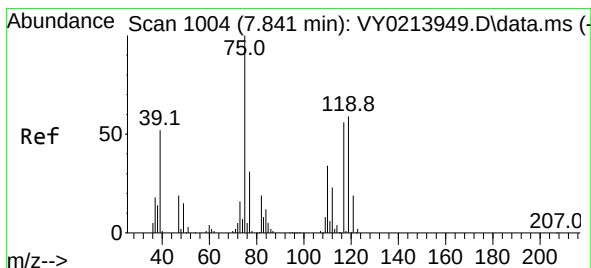
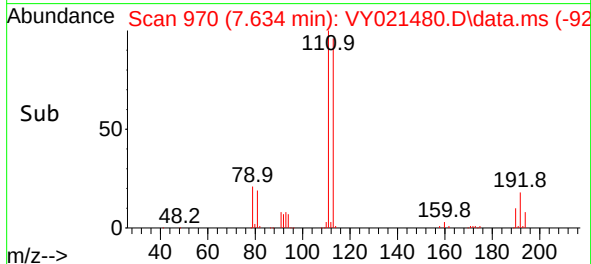
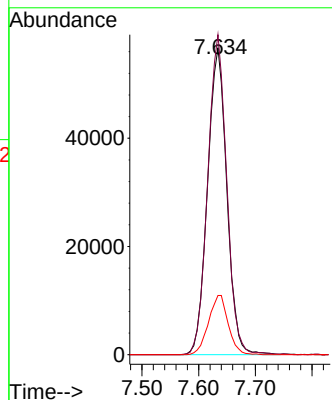
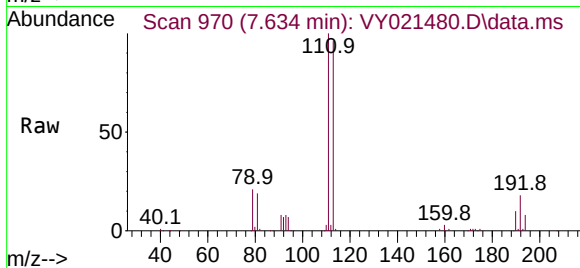
Tgt Ion:113 Resp: 134348

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.578 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

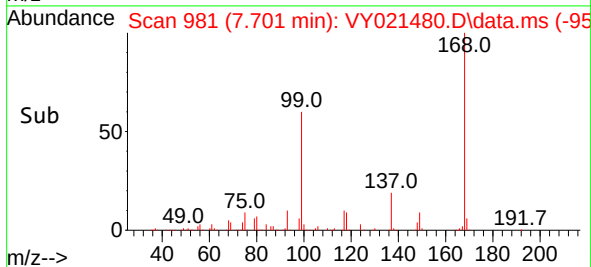
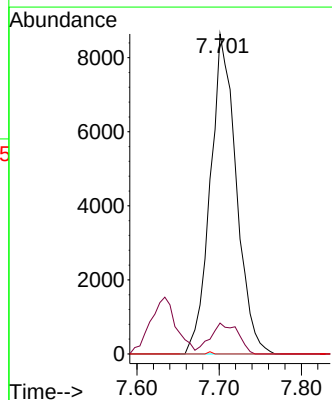
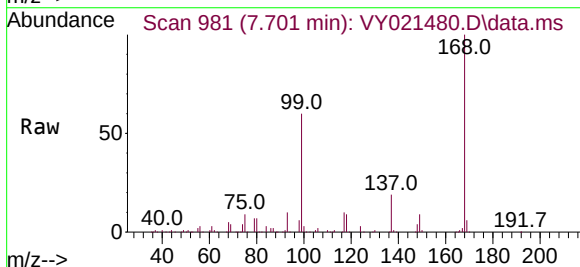
Tgt Ion: 75 Resp: 18973

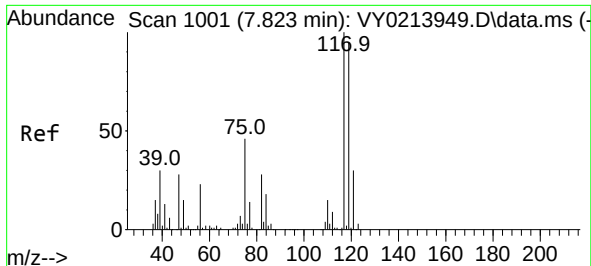
Ion Ratio Lower Upper

75 100

110 10.3 17.3 51.7#

77 0.1 25.4 38.2#

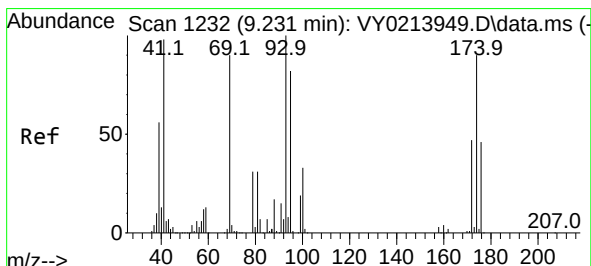
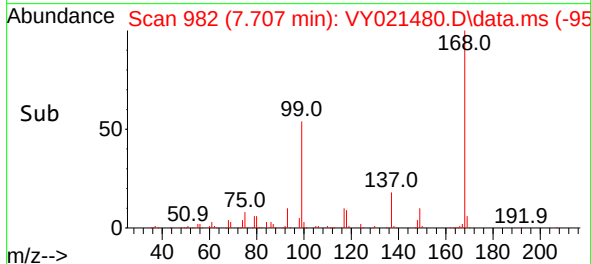
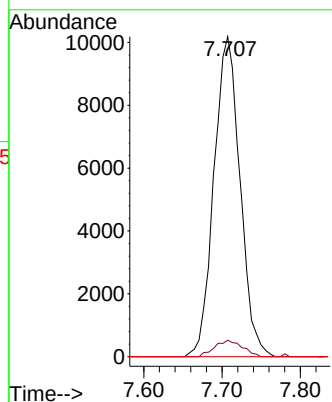
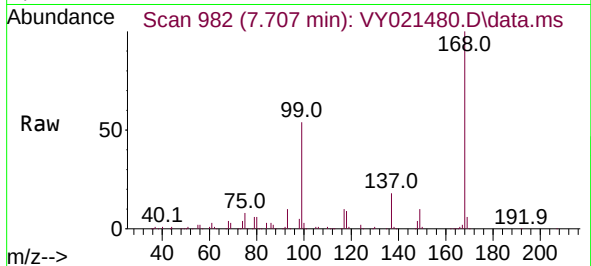




#38
Carbon Tetrachloride
Concen: 4.940 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

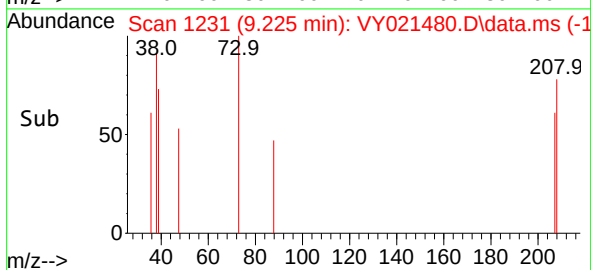
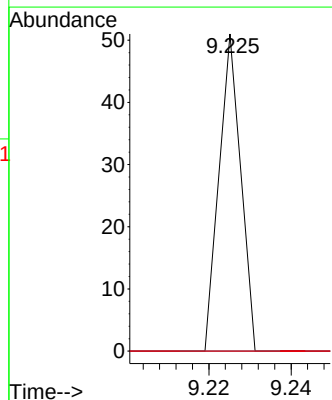
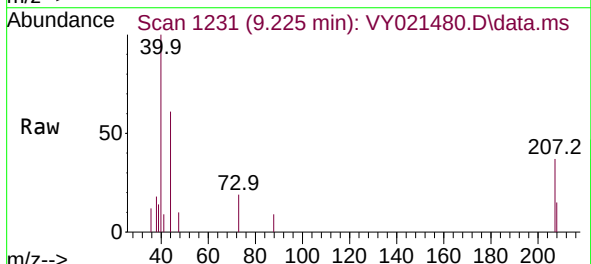
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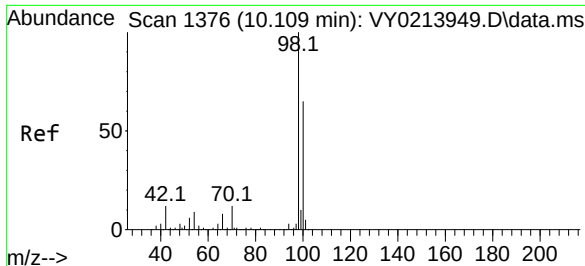
Tgt Ion:117 Resp: 23542
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 1.197 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.4#
58 0.0 58.4 87.6#

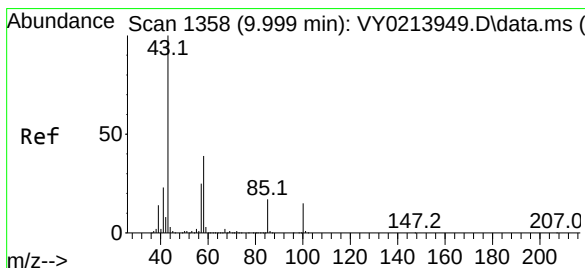
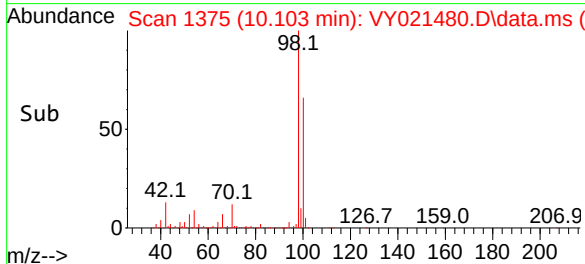
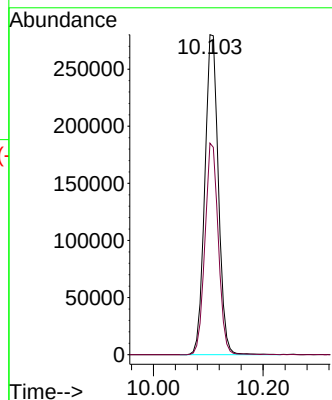
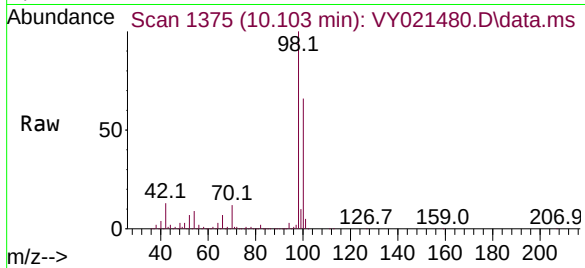




#50
Toluene-d8
Concen: 47.788 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

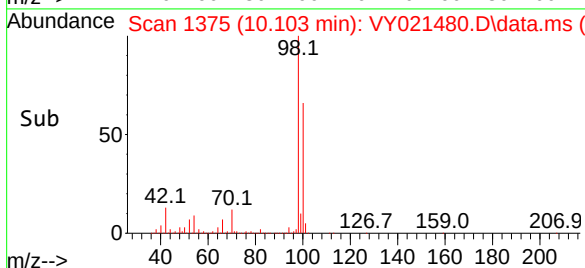
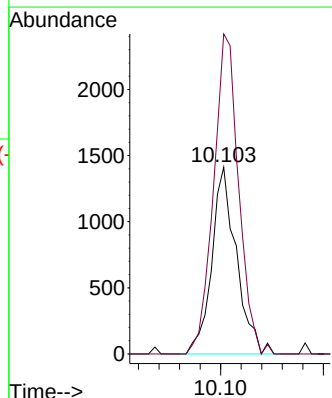
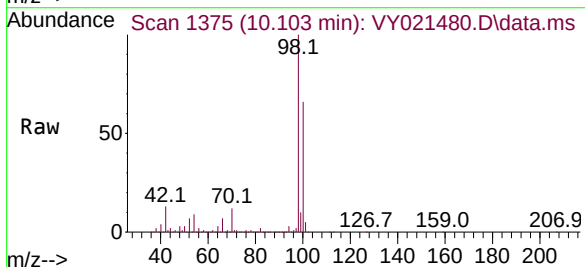
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

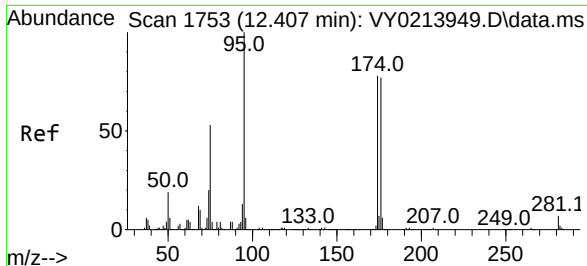
Tgt Ion: 98 Resp: 479026
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.277 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
58 174.8 31.4 47.2#





#62

4-Bromofluorobenzene

Concen: 40.430 ug/l

RT: 12.407 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

ENV-103-SB01

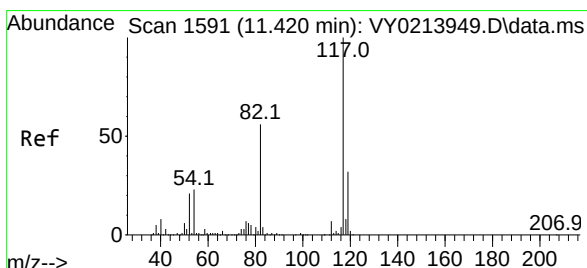
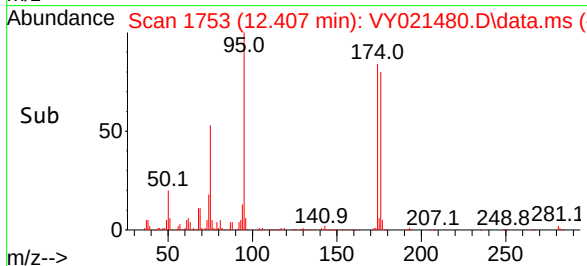
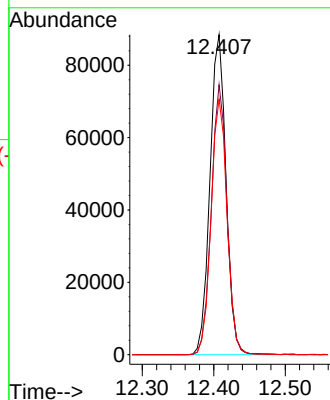
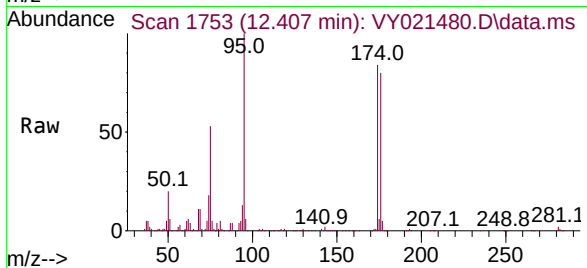
Tgt Ion: 95 Resp: 137856

Ion Ratio Lower Upper

95 100

174 82.8 0.0 165.0

176 79.4 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

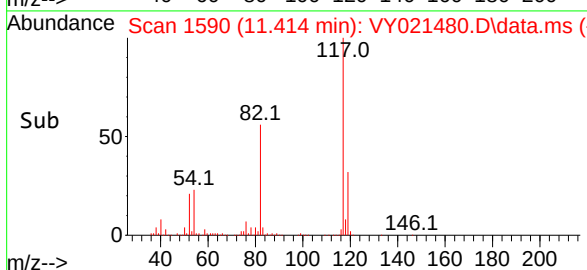
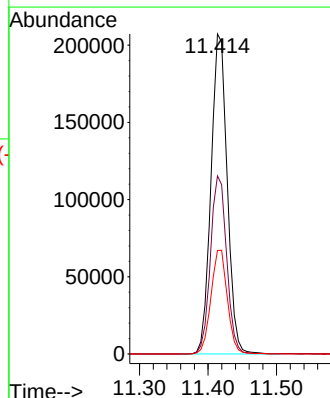
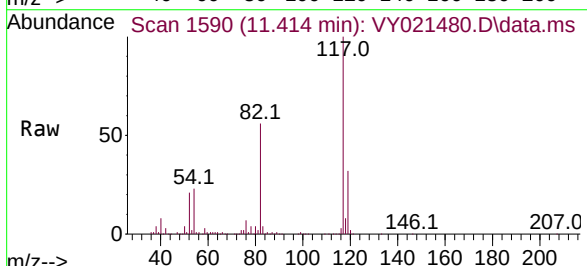
Tgt Ion: 117 Resp: 340384

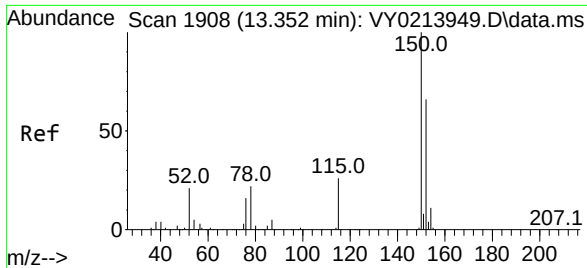
Ion Ratio Lower Upper

117 100

82 55.7 44.6 67.0

119 32.3 25.4 38.0

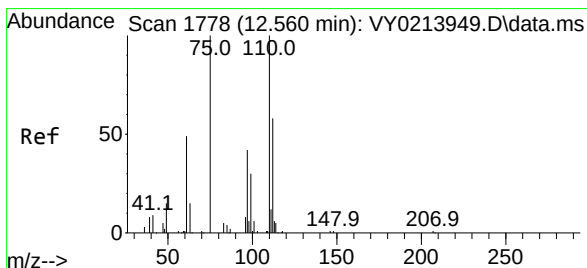
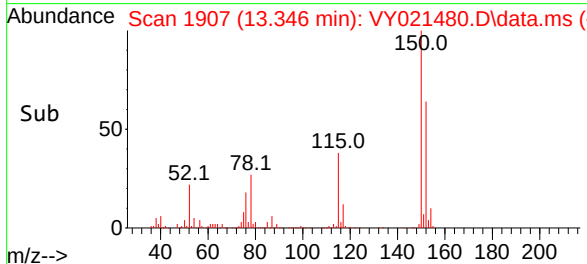
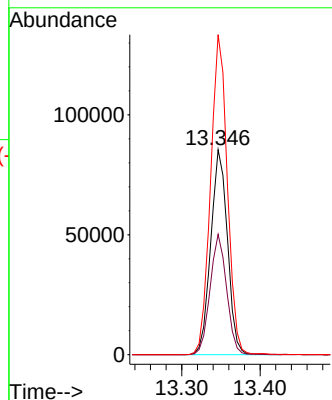
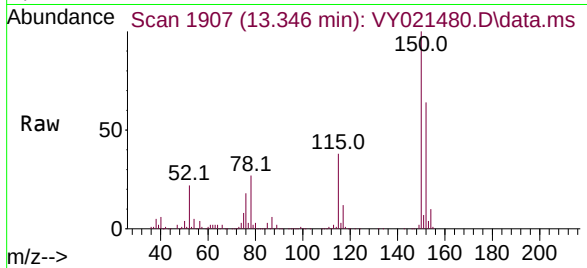




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

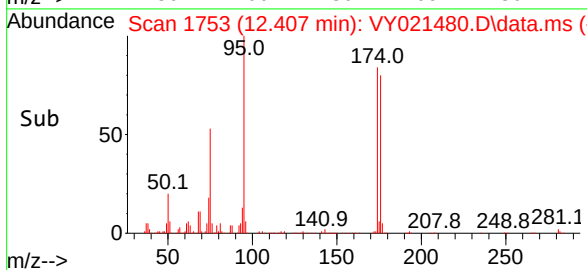
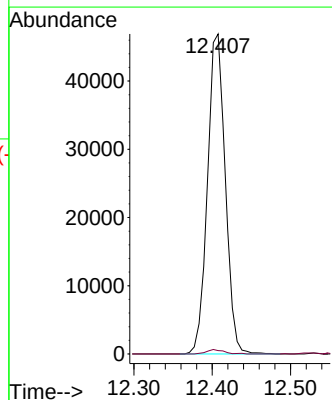
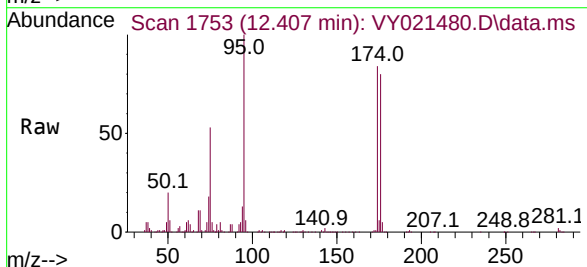
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

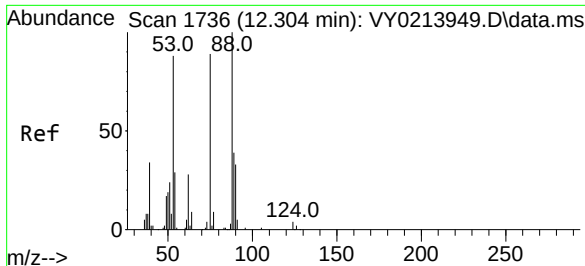
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.0	87.0
150	156.9	0.0	347.2



#76
1,2,3-Trichloropropane
Concen: 58.031 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

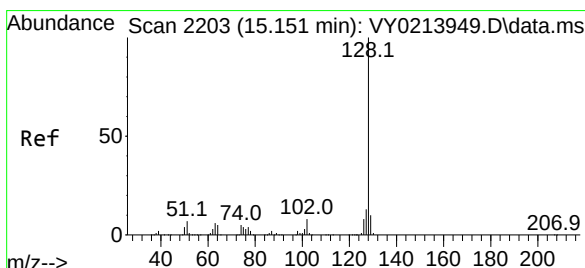
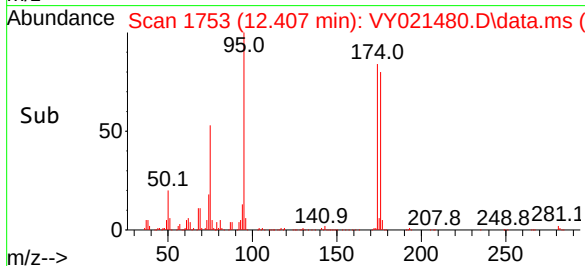
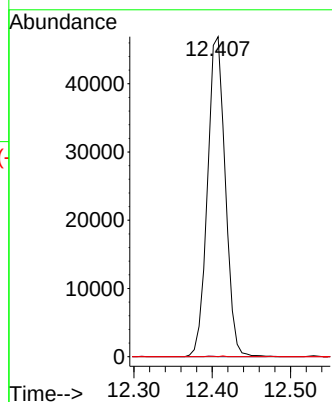
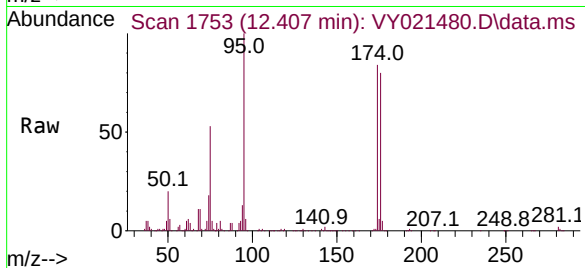




#81
trans-1,4-Dichloro-2-butene
Concen: 131.923 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion: 75 Resp: 73907
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.677 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 128 Resp: 781
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

