

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021435.D
 Acq On : 06 Mar 2025 15:25
 Operator : SY/MD
 Sample : Q1488-01
 Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-101-SB01

Quant Time: Mar 07 00:40:43 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)

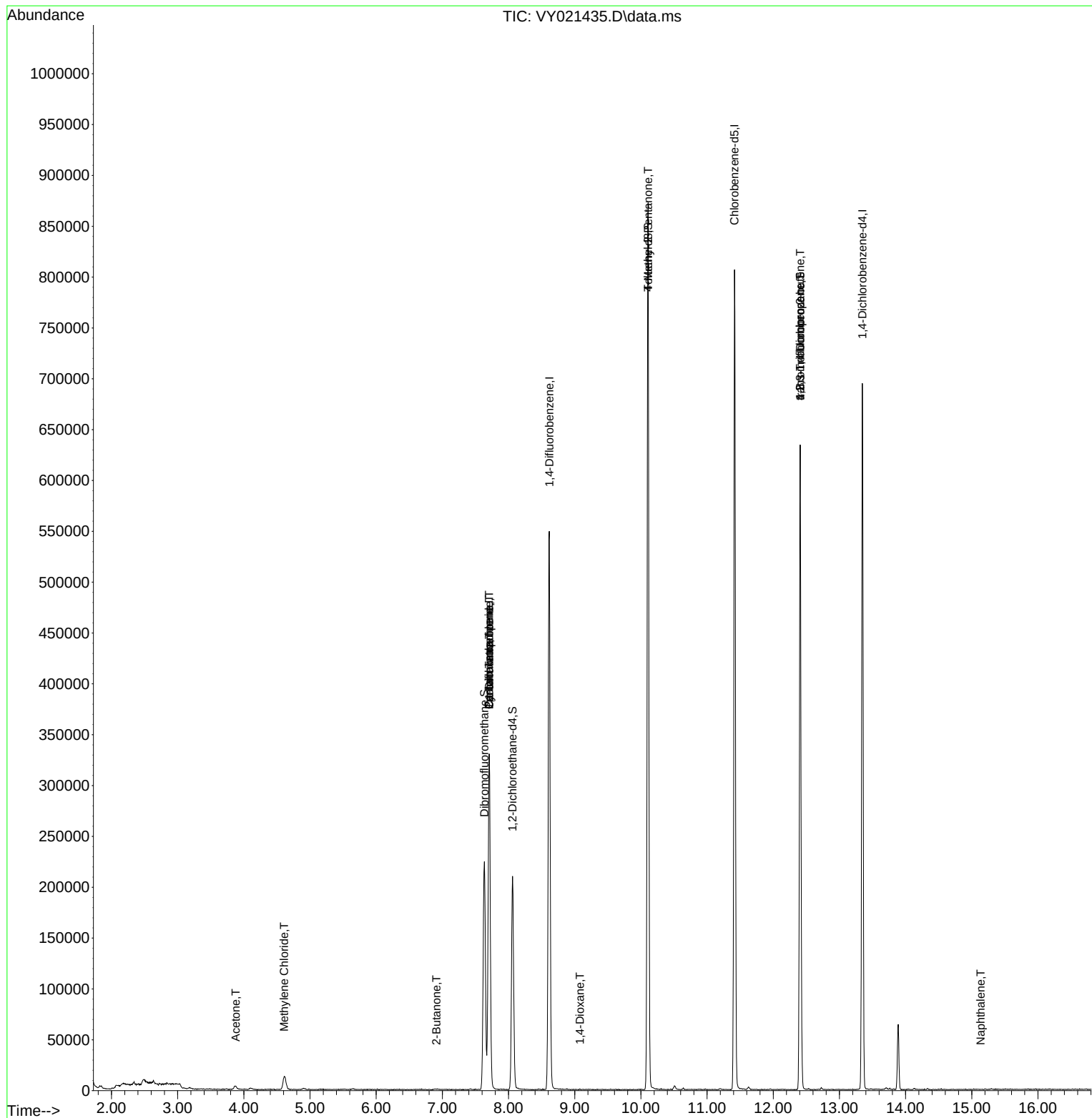
Internal Standards						
1) Pentafluorobenzene	7.707	168	242903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	166037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167202	65.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.260%	
35) Dibromofluoromethane	7.634	113	157290	52.489	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.980%	
50) Toluene-d8	10.109	98	553466	48.780	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.560%	
62) 4-Bromofluorobenzene	12.408	95	177238	45.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.840%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.860	59	86	Below Cal	#	72
16) Acetone	3.879	43	6382	11.397	ug/l	99
20) Methylene Chloride	4.610	84	9540	3.246	ug/l	91
25) 2-Butanone	6.909	43	1245	1.607	ug/l	# 48
31) Cyclohexane	7.707	56	6245	1.299	ug/l	# 25
36) 1,1-Dichloropropene	7.707	75	20607	4.393	ug/l	# 50
38) Carbon Tetrachloride	7.707	117	25532	4.733	ug/l	# 17
49) 1,4-Dioxane	9.079	88	44	2.450	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.109	43	2617	1.260	ug/l	# 1
76) 1,2,3-Trichloropropane	12.408	75	96280	57.545	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	96280	130.818	ug/l	# 9
95) Naphthalene	15.133	128	251	1.504	ug/l	# 69

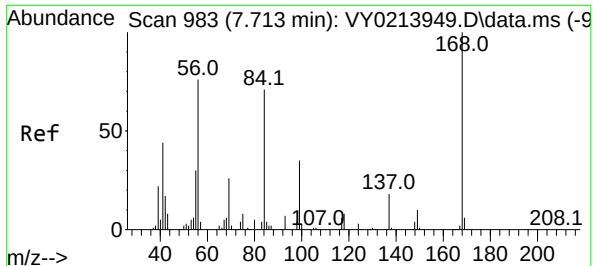
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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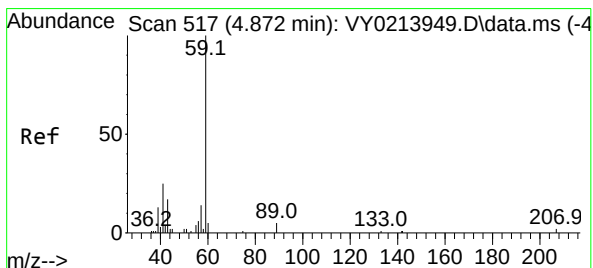
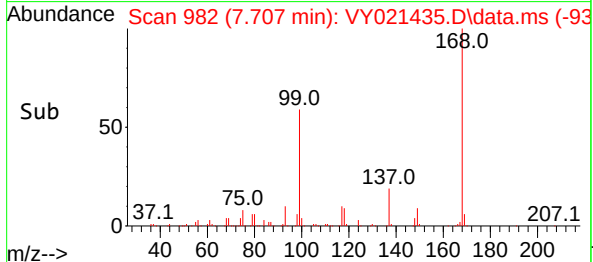
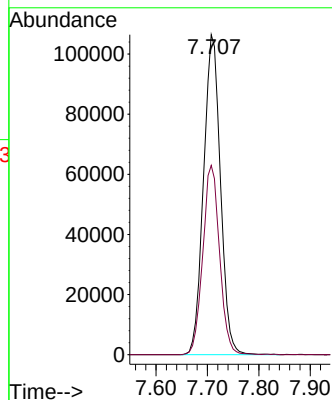
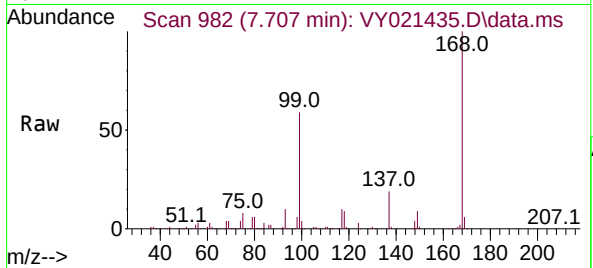




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

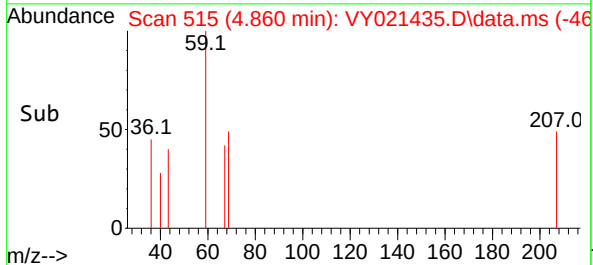
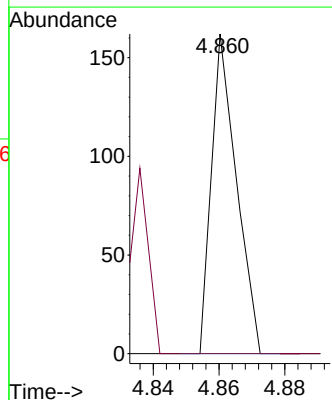
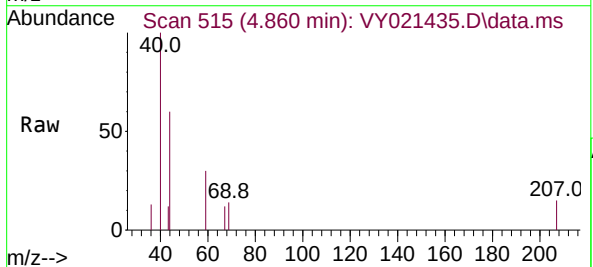
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

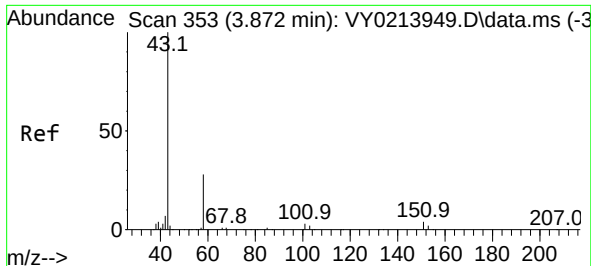
Tgt Ion:168 Resp: 242903
Ion Ratio Lower Upper
168 100
99 59.1 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

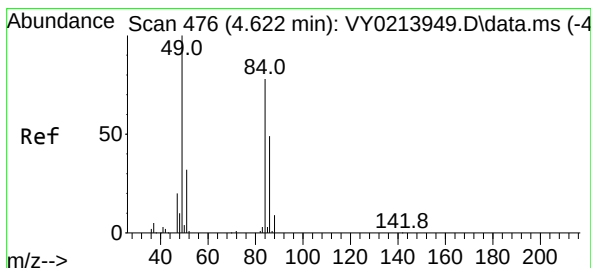
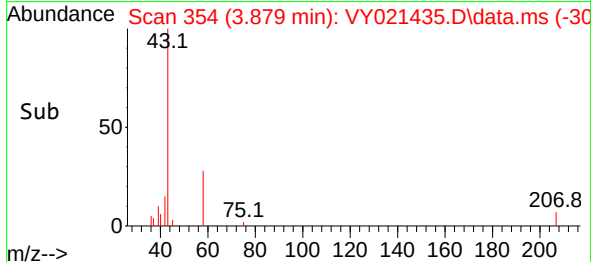
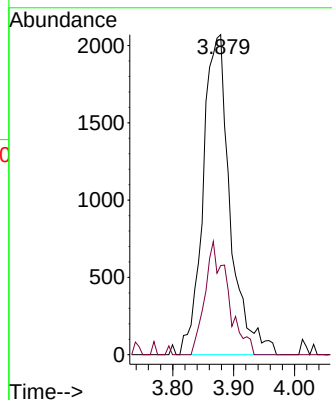
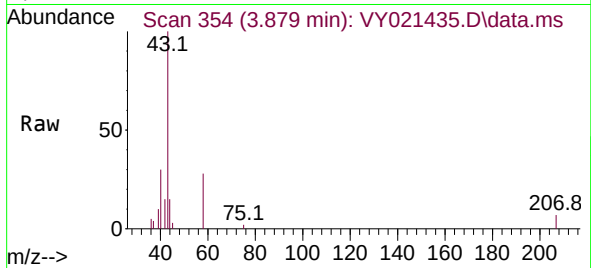




#16
Acetone
Concen: 11.397 ug/l
RT: 3.879 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

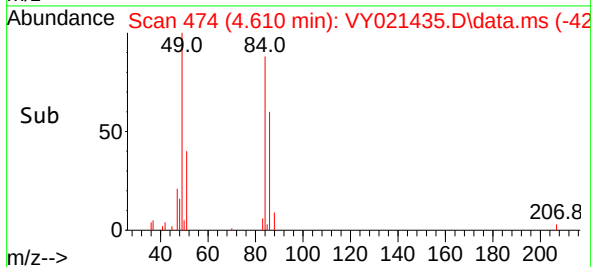
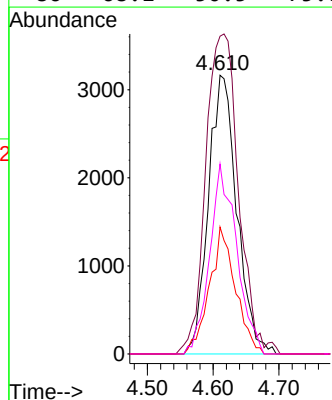
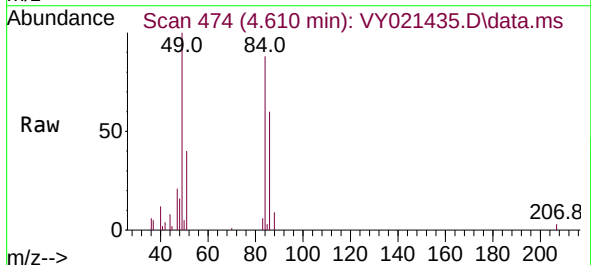
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

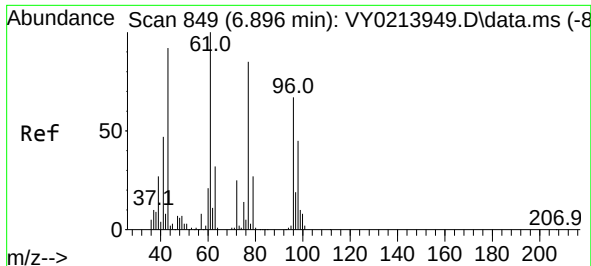
Tgt Ion: 43 Resp: 6382
Ion Ratio Lower Upper
43 100
58 27.9 22.1 33.1



#20
Methylene Chloride
Concen: 3.246 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 84 Resp: 9540
Ion Ratio Lower Upper
84 100
49 114.0 102.0 153.0
51 45.5 33.0 49.6
86 68.1 50.5 75.7





#25

2-Butanone

Concen: 1.607 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.013 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

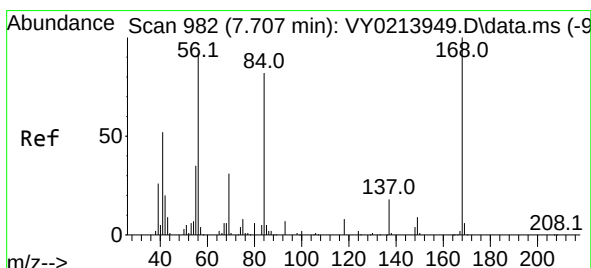
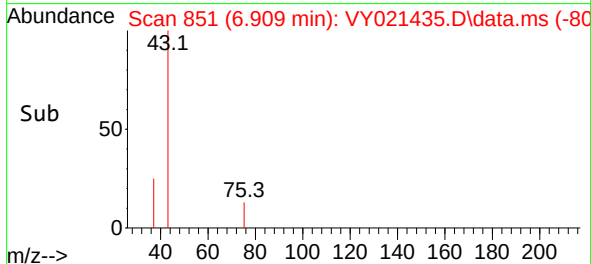
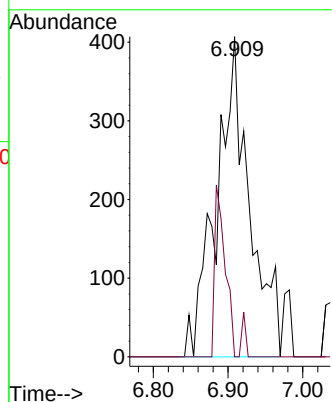
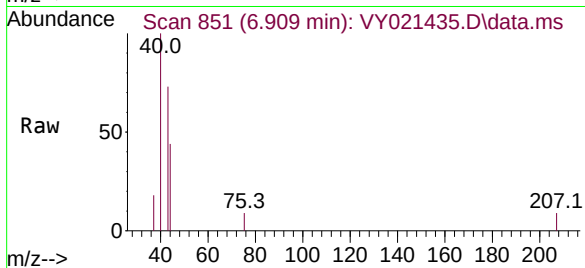
ENV-101-SB01

Tgt Ion: 43 Resp: 1245

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.299 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

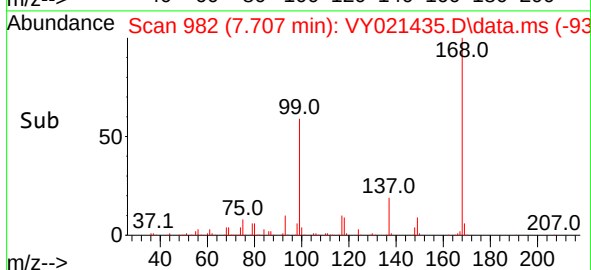
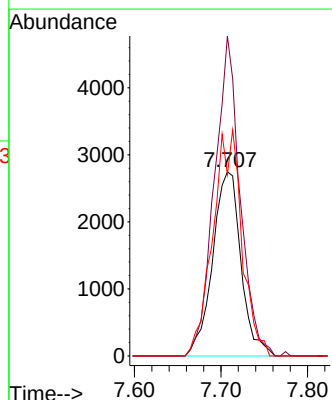
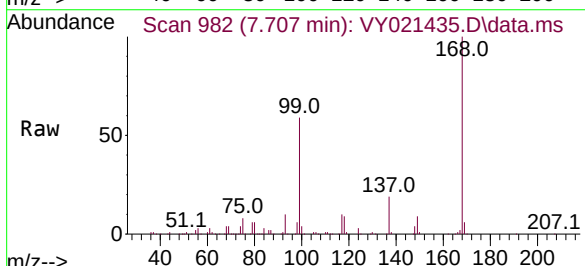
Tgt Ion: 56 Resp: 6245

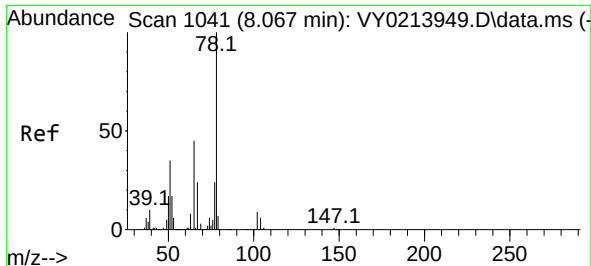
Ion Ratio Lower Upper

56 100

69 173.8 27.0 40.4#

84 98.5 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 65.127 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

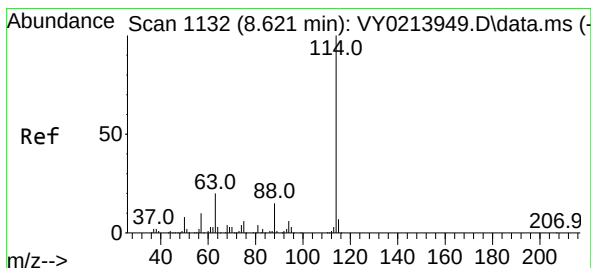
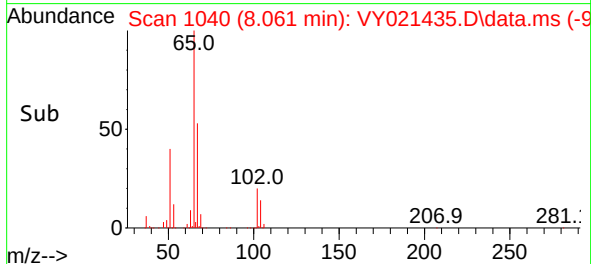
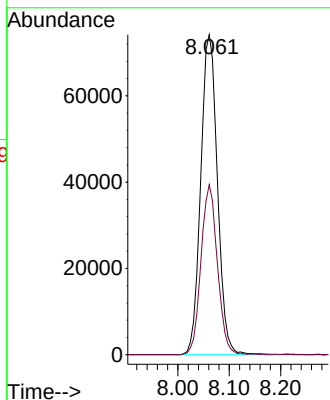
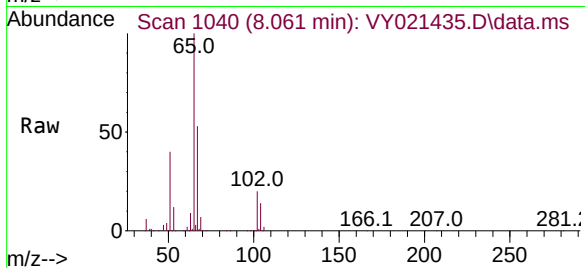
ENV-101-SB01

Tgt Ion: 65 Resp: 167202

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

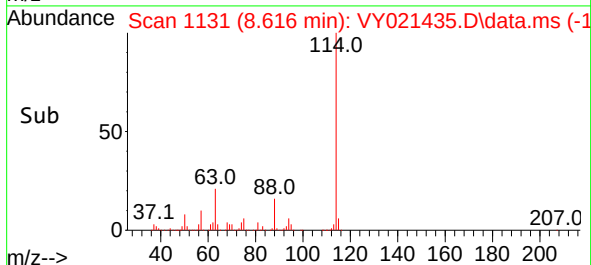
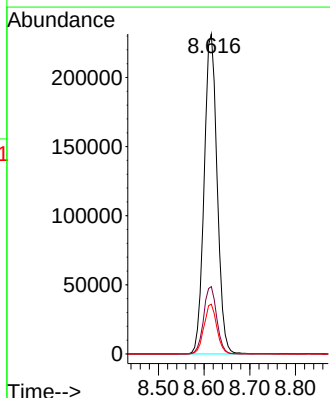
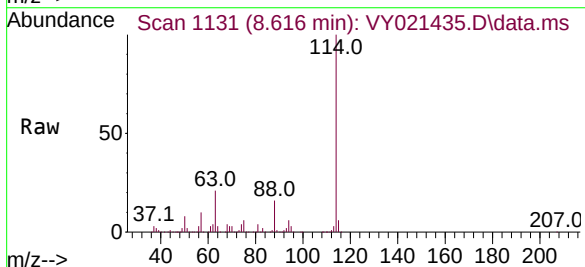
Tgt Ion: 114 Resp: 455891

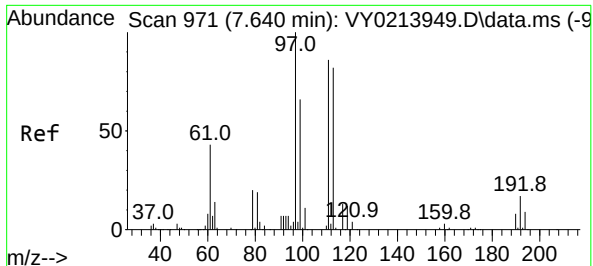
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.489 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB01

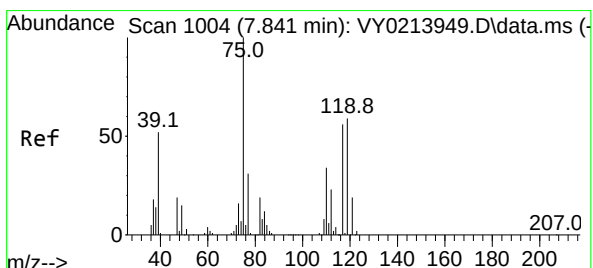
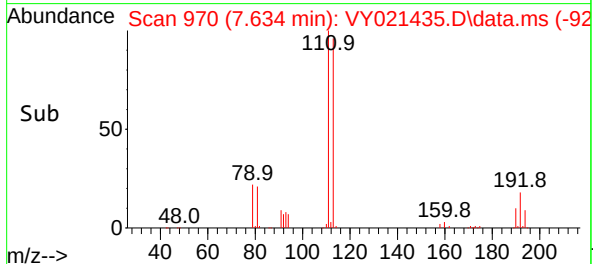
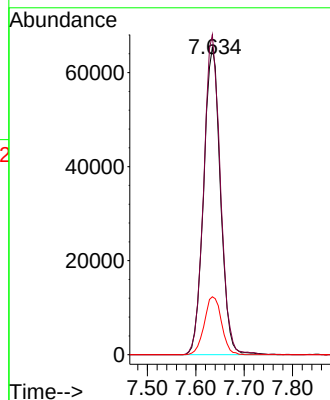
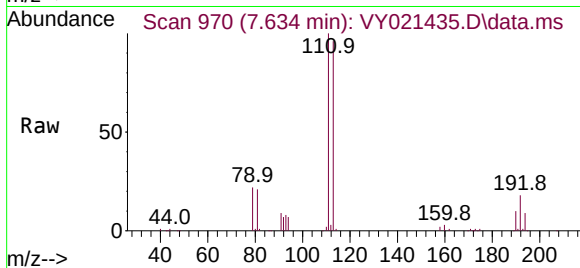
Tgt Ion:113 Resp: 157290

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

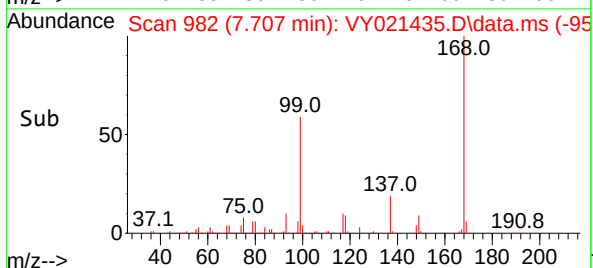
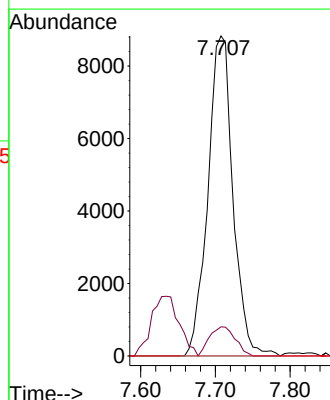
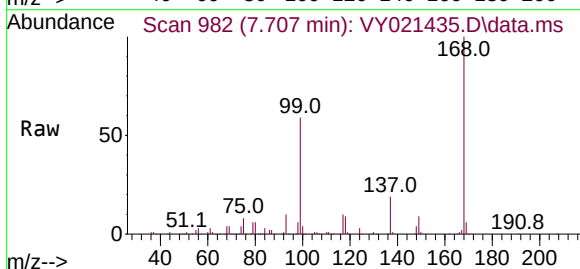
Tgt Ion: 75 Resp: 20607

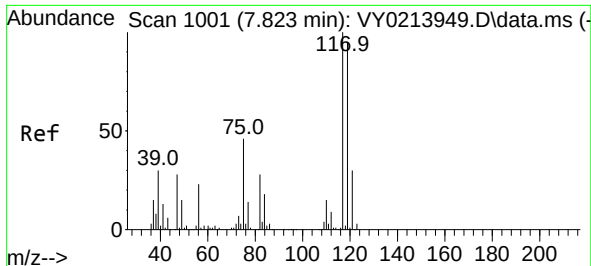
Ion Ratio Lower Upper

75 100

110 9.4 17.3 51.7#

77 0.0 25.4 38.2#

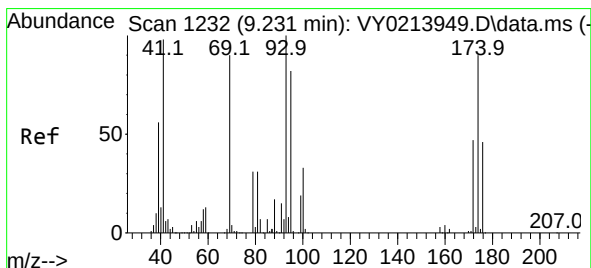
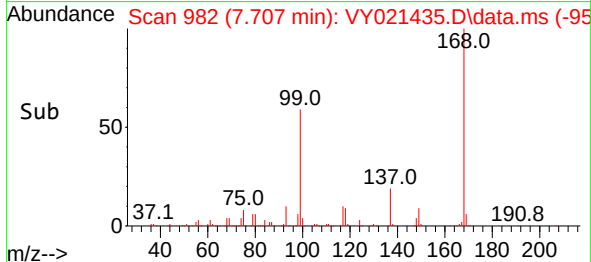
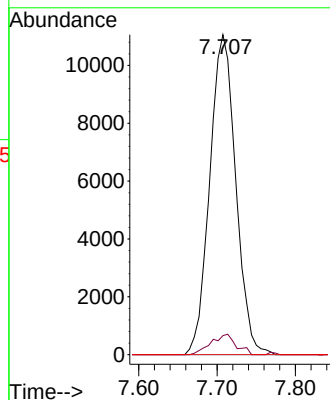
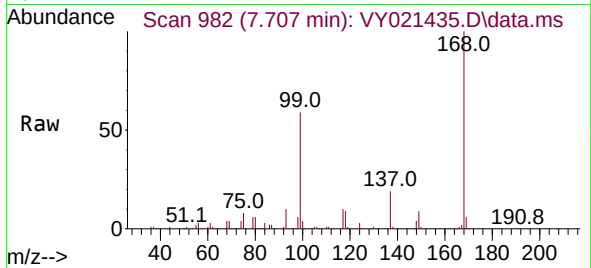




#38
Carbon Tetrachloride
Concen: 4.733 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

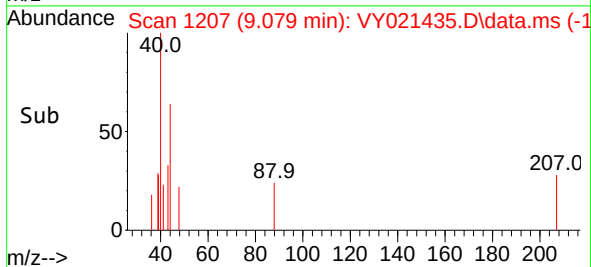
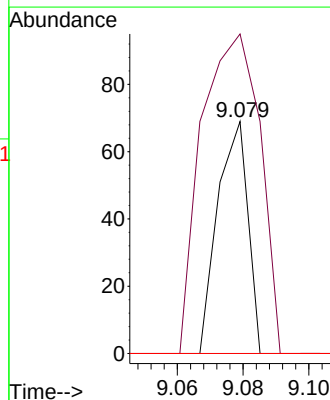
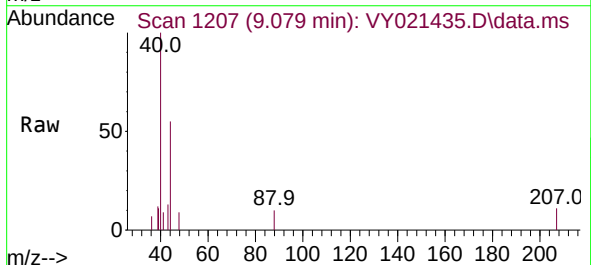
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ENV-101-SB01

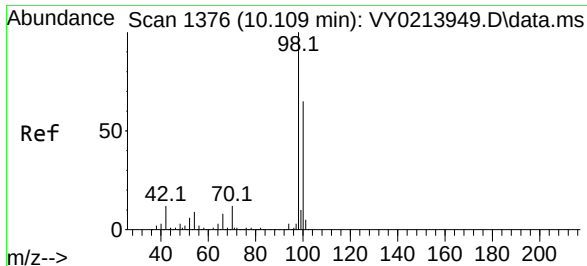
Tgt Ion:117 Resp: 25532
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 2.450 ug/l
RT: 9.079 min Scan# 1207
Delta R.T. -0.152 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 265.9 25.0 37.4#
58 0.0 58.4 87.6#

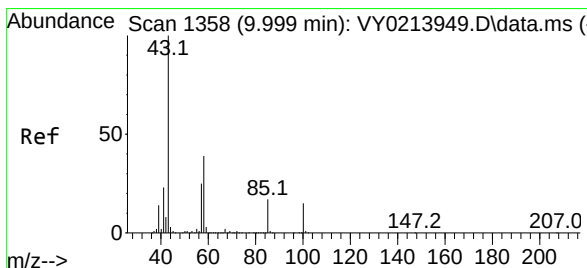
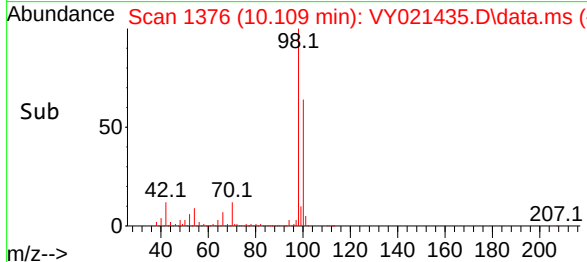
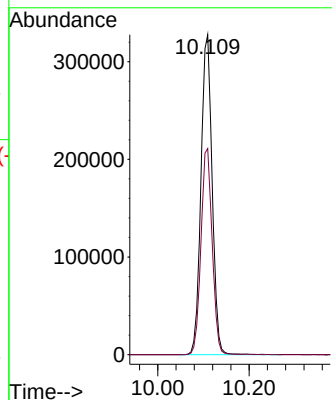
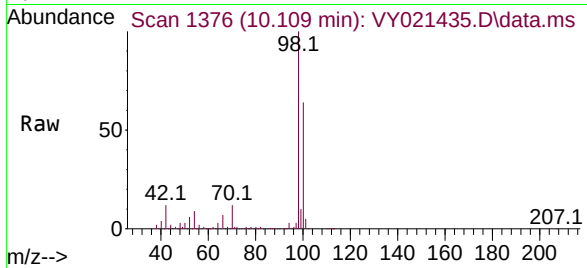




#50
Toluene-d8
Concen: 48.780 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

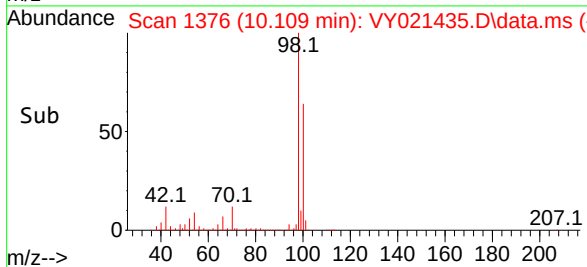
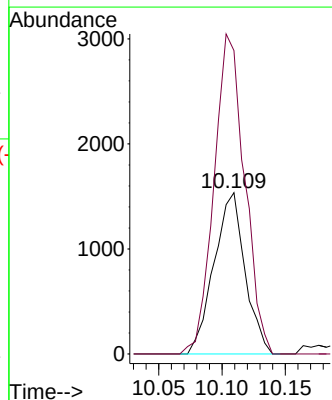
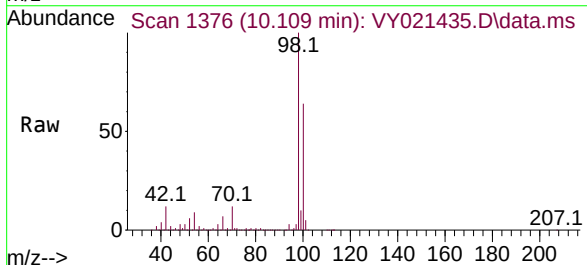
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

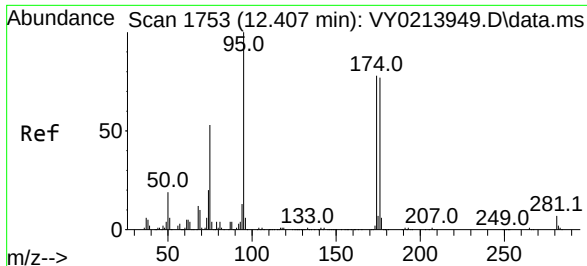
Tgt Ion: 98 Resp: 553466
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.260 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 43 Resp: 2617
Ion Ratio Lower Upper
43 100
58 196.0 31.4 47.2#

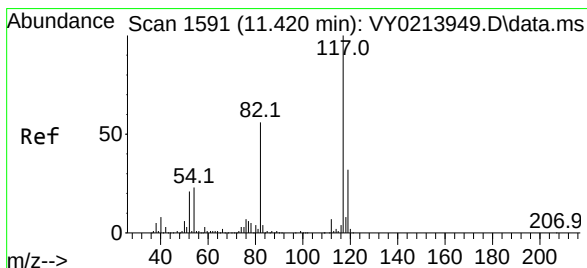
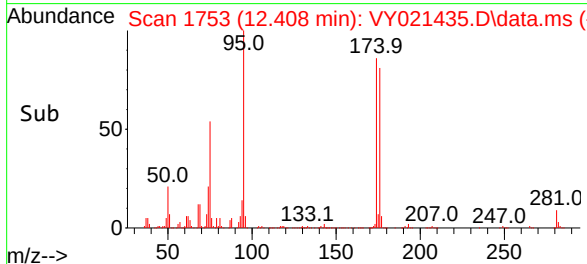
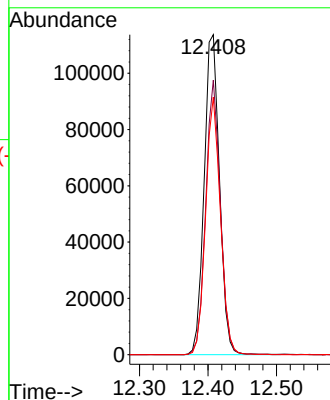
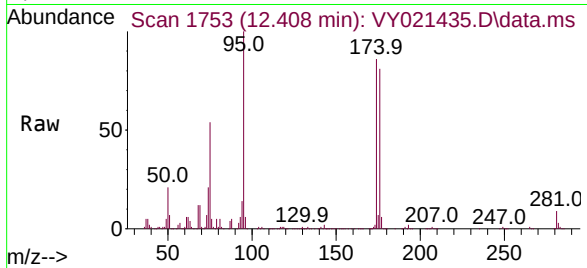




#62
4-Bromofluorobenzene
Concen: 45.922 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

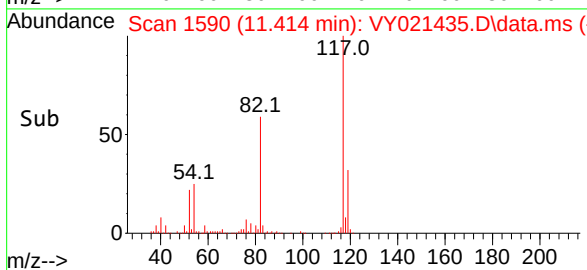
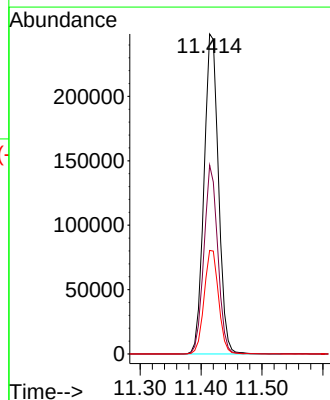
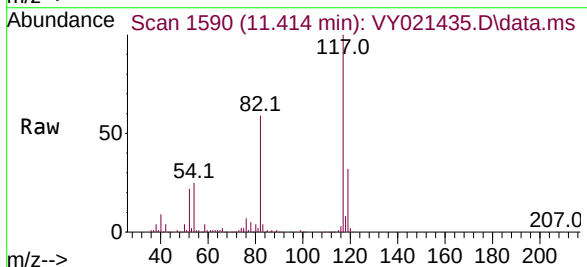
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

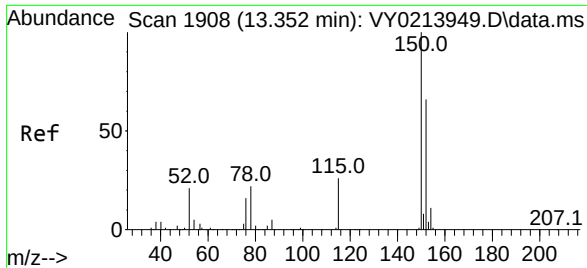
Tgt Ion: 95 Resp: 177238
Ion Ratio Lower Upper
95 100
174 82.1 0.0 165.0
176 77.9 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 117 Resp: 410551
Ion Ratio Lower Upper
117 100
82 59.0 44.6 67.0
119 32.4 25.4 38.0

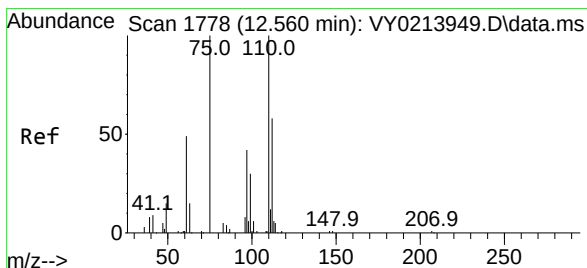
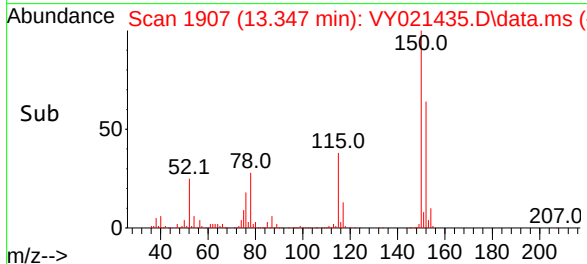
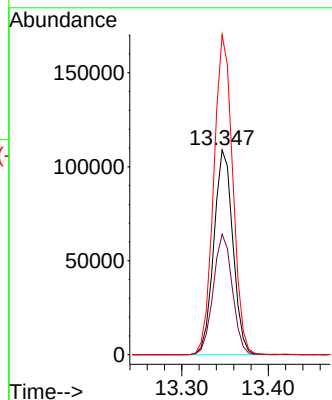
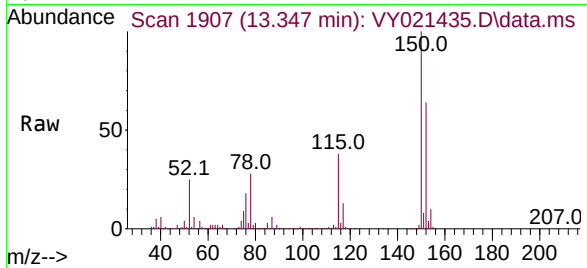




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021435.D
 Acq: 06 Mar 2025 15:25

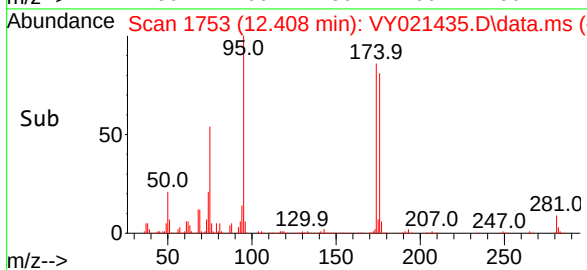
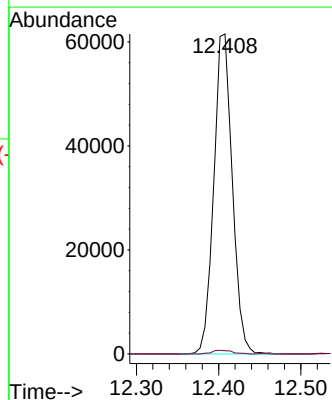
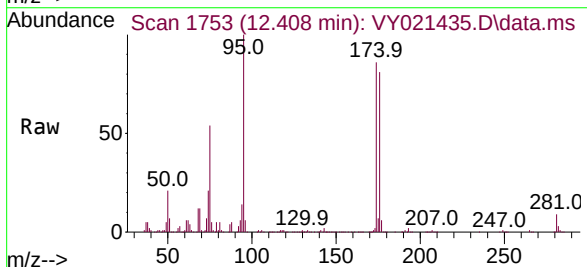
Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-101-SB01

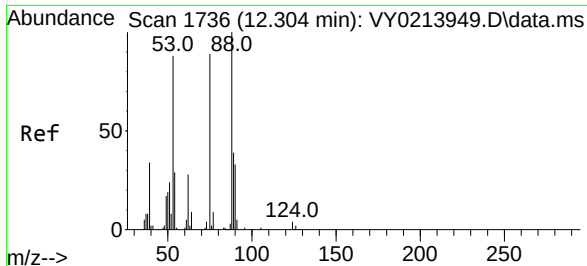
Tgt Ion:152 Resp: 166037
 Ion Ratio Lower Upper
 152 100
 115 59.0 29.0 87.0
 150 156.3 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 57.545 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021435.D
 Acq: 06 Mar 2025 15:25

Tgt Ion: 75 Resp: 96280
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

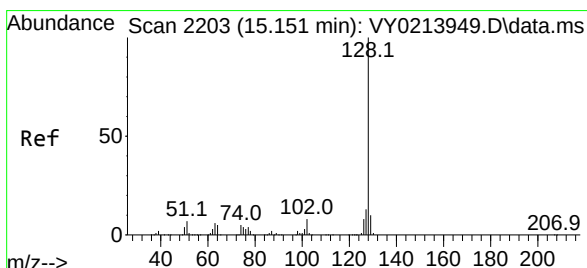
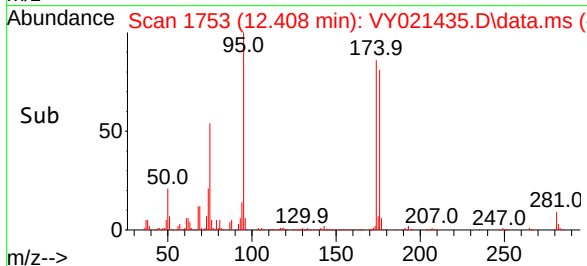
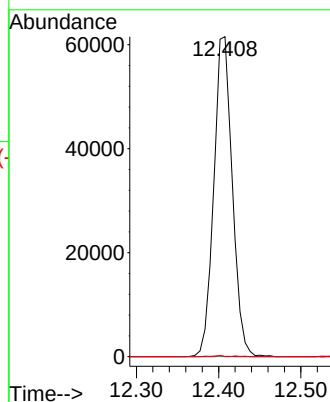
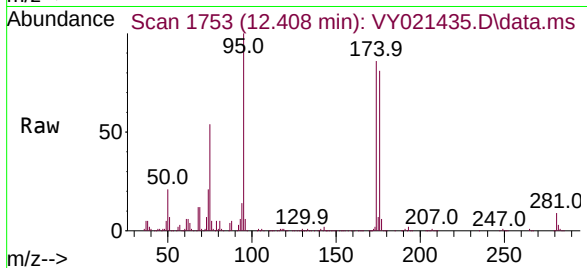




#81
trans-1,4-Dichloro-2-butene
Concen: 130.818 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Tgt Ion: 75 Resp: 96280
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.504 ug/l
RT: 15.133 min Scan# 2200
Delta R.T. -0.018 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 128 Resp: 251
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

