

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021481.D
 Acq On : 11 Mar 2025 13:11
 Operator : SY/MD
 Sample : Q1514-03
 Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-105-SB02

Quant Time: Mar 12 01:24:28 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)

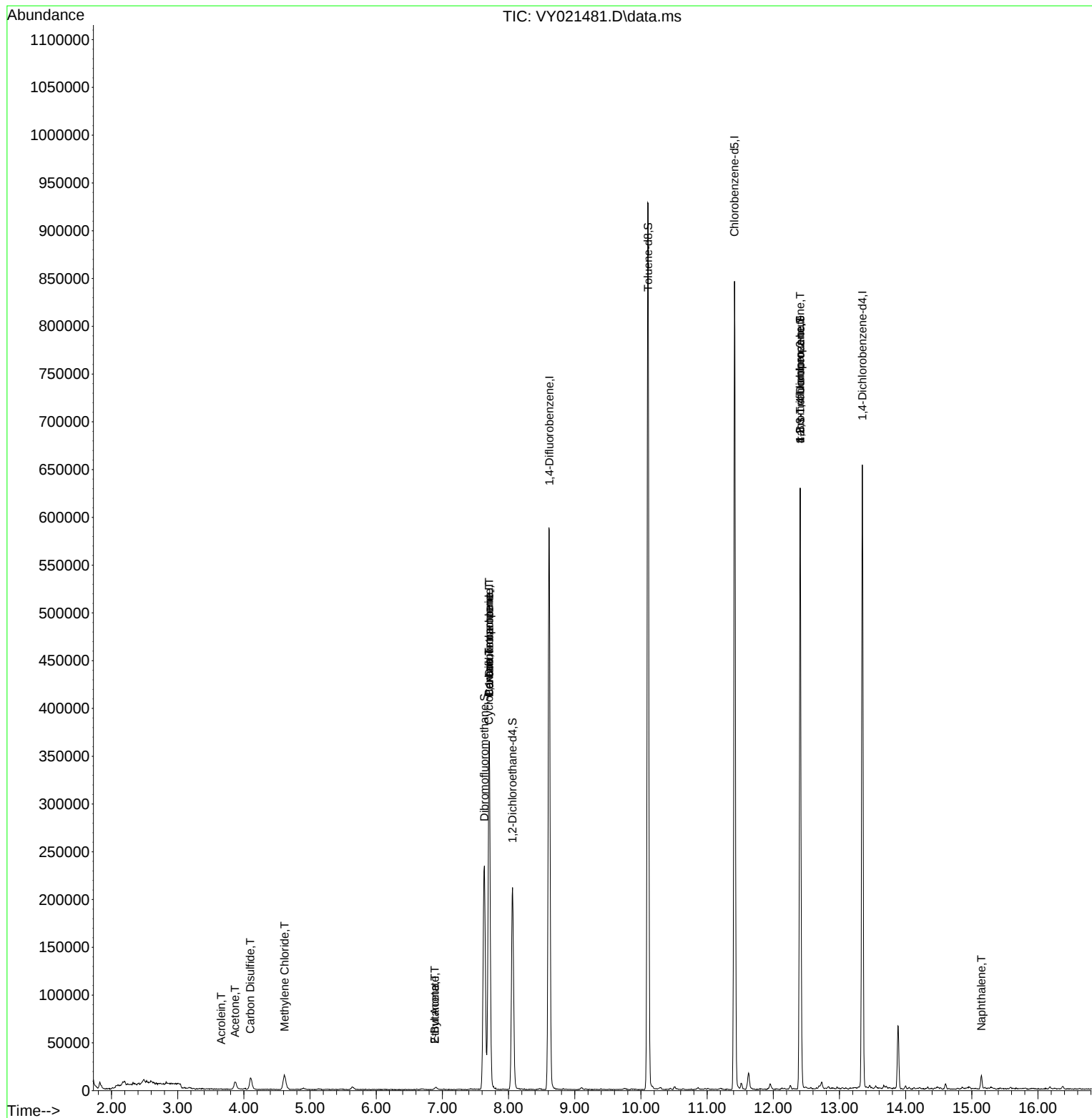
Internal Standards						
1) Pentafluorobenzene	7.707	168	269495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	487605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	426245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170368	59.812	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.620%	
35) Dibromofluoromethane	7.634	113	165963	51.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.560%	
50) Toluene-d8	10.109	98	591303	48.725	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.440%	
62) 4-Bromofluorobenzene	12.407	95	175823	42.593	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	55	Below Cal	#	72
13) Acrolein	3.659	56	206	1.422	ug/l #	73
16) Acetone	3.866	43	14141	22.762	ug/l	99
17) Carbon Disulfide	4.098	76	23452	2.703	ug/l #	94
20) Methylene Chloride	4.616	84	10215	3.132	ug/l #	84
25) 2-Butanone	6.884	43	3893	4.530	ug/l #	87
31) Cyclohexane	7.701	56	6433	1.206	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	21971	4.379	ug/l #	51
37) Ethyl Acetate	6.884	43	3893	1.756	ug/l #	68
38) Carbon Tetrachloride	7.707	117	27979	4.849	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	95496	59.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	95496	134.914	ug/l #	9
95) Naphthalene	15.145	128	10470	3.859	ug/l	96

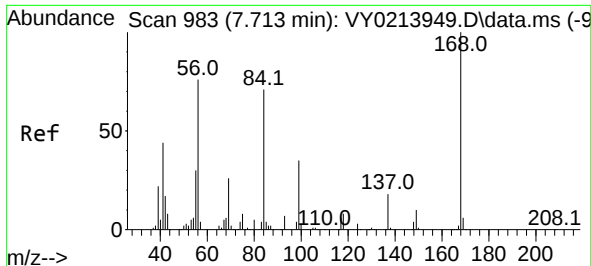
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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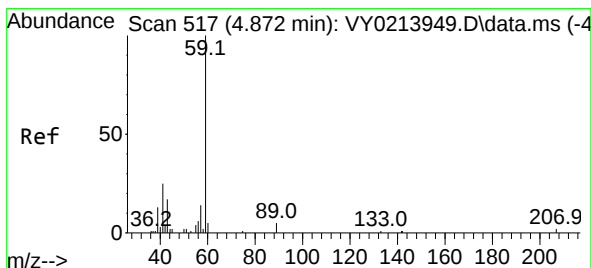
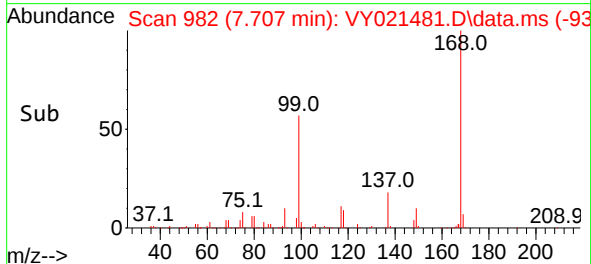
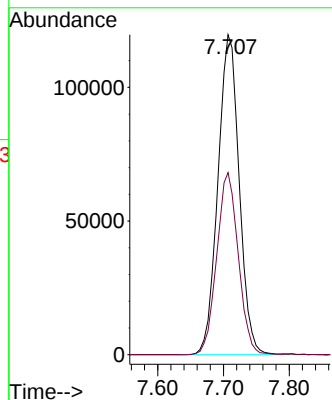
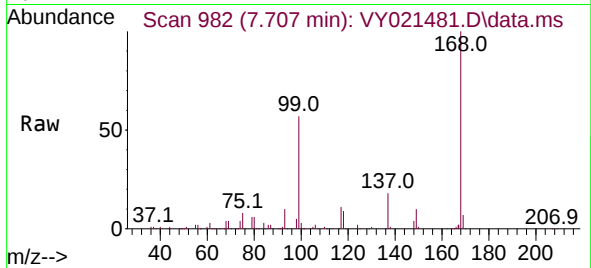




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

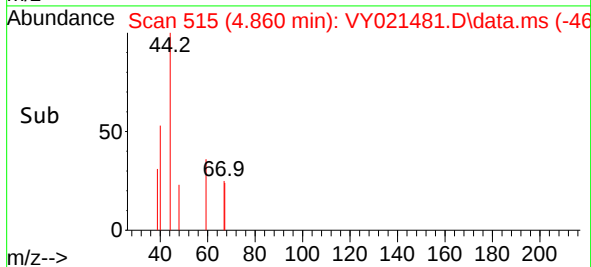
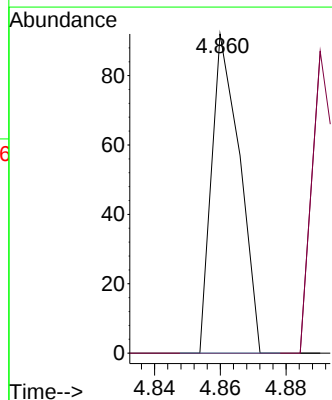
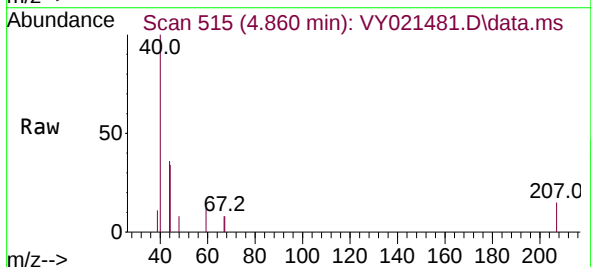
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

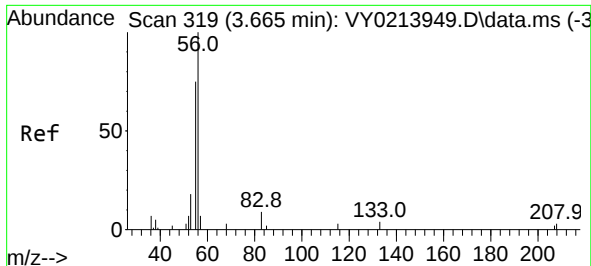
Tgt Ion:168 Resp: 269495
Ion Ratio Lower Upper
168 100
99 56.9 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

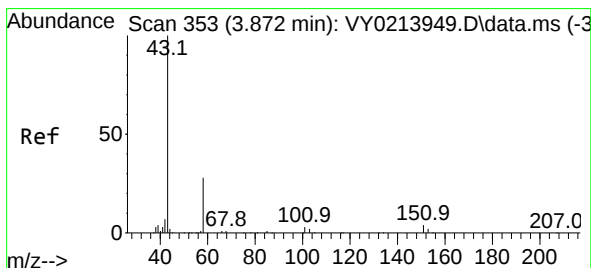
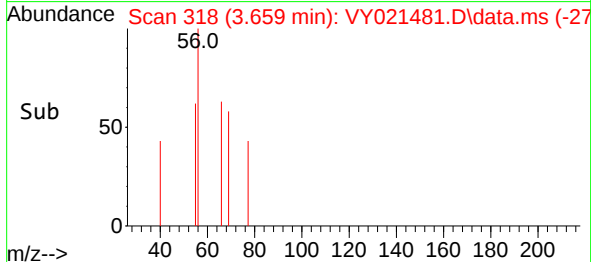
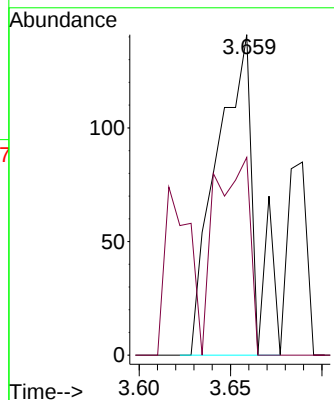
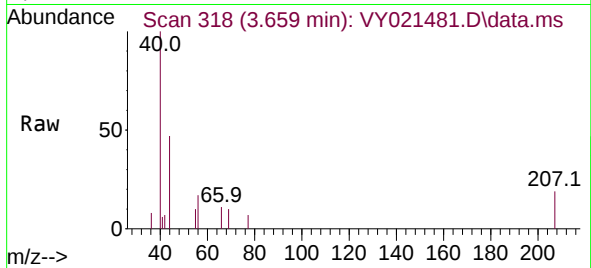




#13
Acrolein
Concen: 1.422 ug/l
RT: 3.659 min Scan# 319
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

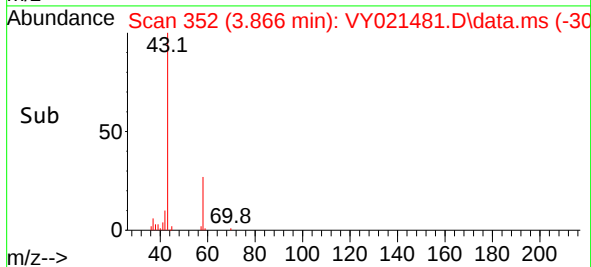
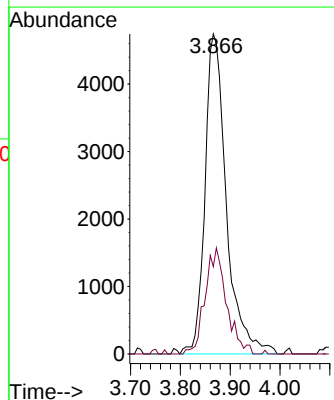
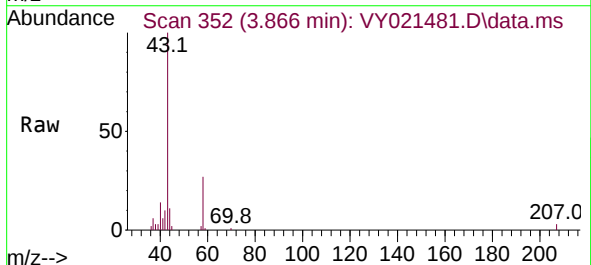
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

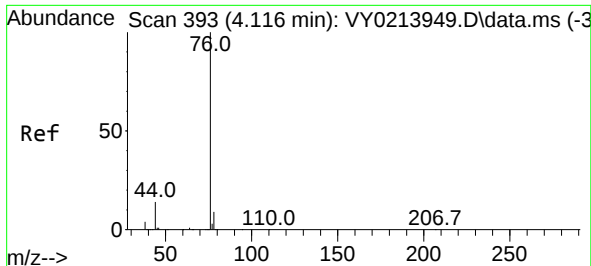
Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 55.8 63.4 95.2#



#16
Acetone
Concen: 22.762 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 43 Resp: 14141
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1

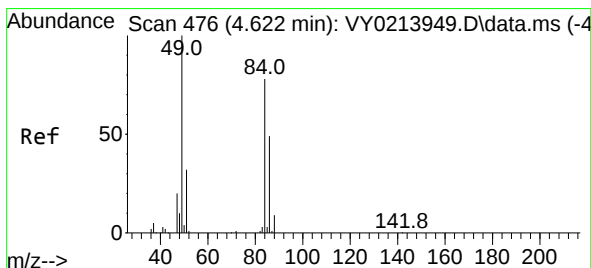
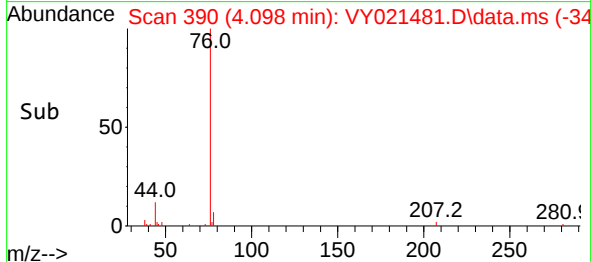
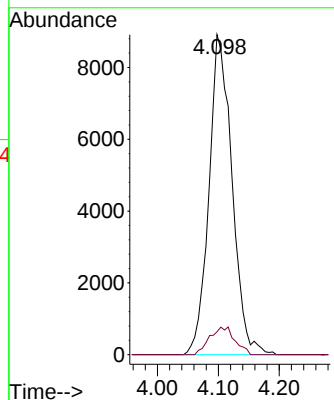
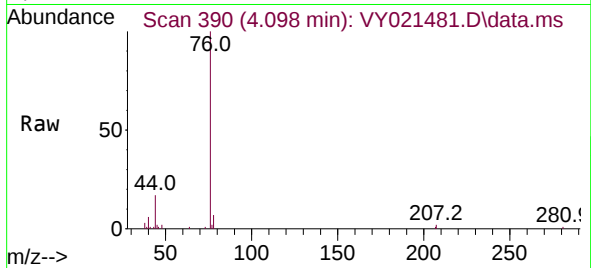




#17
Carbon Disulfide
Concen: 2.703 ug/l
RT: 4.098 min Scan# 393
Delta R.T. -0.018 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

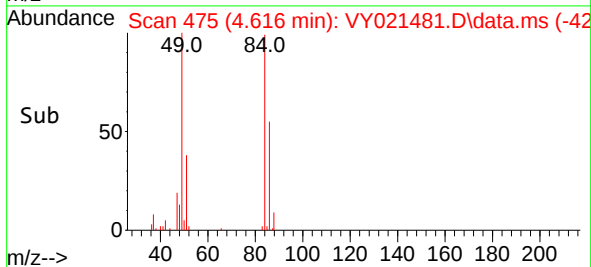
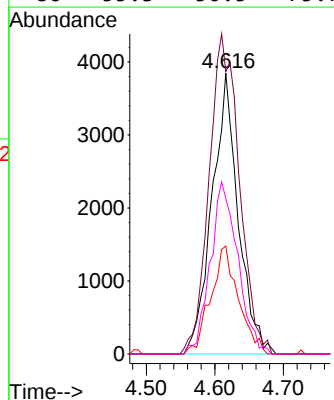
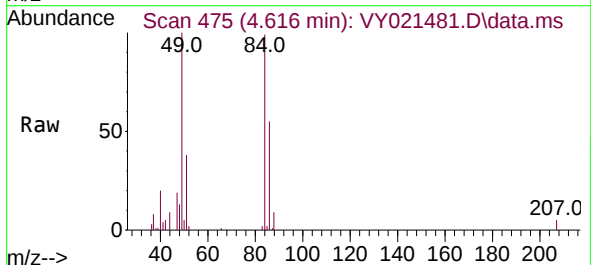
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

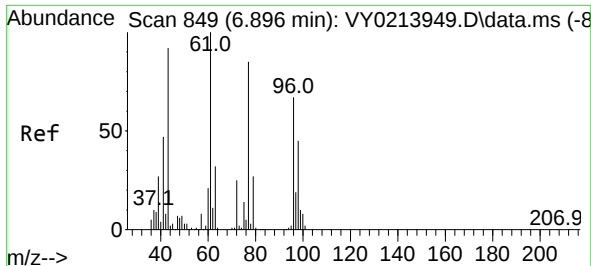
Tgt Ion: 76 Resp: 23452
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.0#



#20
Methylene Chloride
Concen: 3.132 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 84 Resp: 10215
Ion Ratio Lower Upper
84 100
49 100.5 102.0 153.0#
51 38.4 33.0 49.6
86 55.3 50.5 75.7





#25

2-Butanone

Concen: 4.530 ug/l

RT: 6.884 min Scan# 849

Delta R.T. -0.012 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

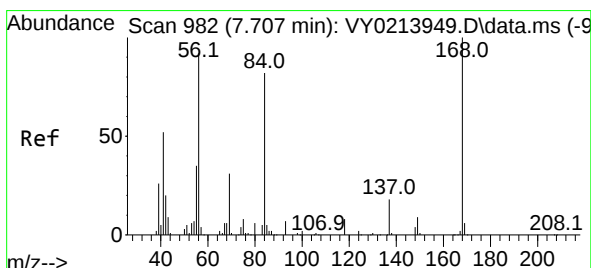
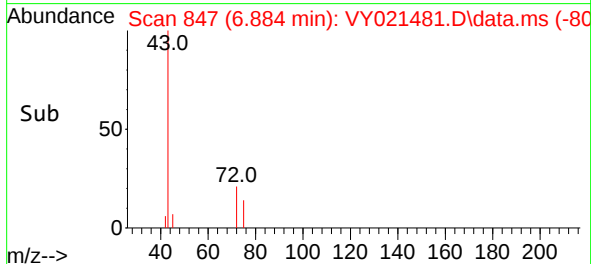
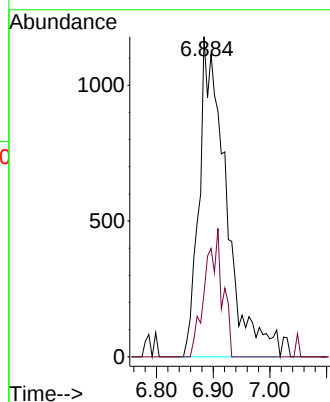
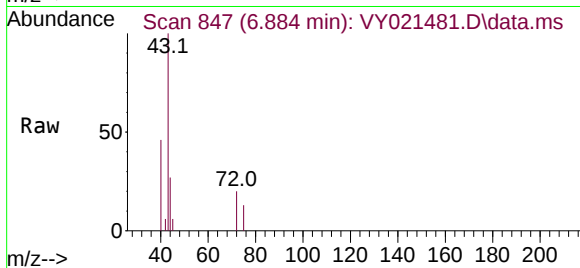
ENV-105-SB02

Tgt Ion: 43 Resp: 3893

Ion Ratio Lower Upper

43 100

72 19.9 21.4 32.0#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

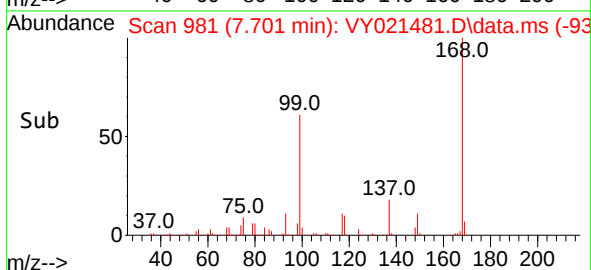
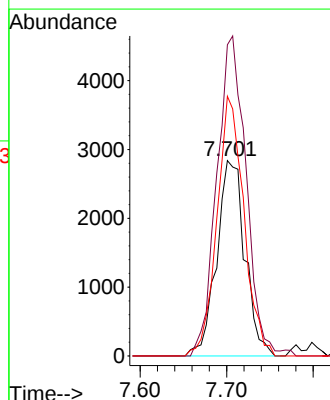
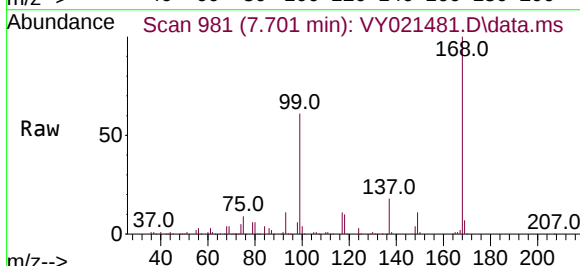
Tgt Ion: 56 Resp: 6433

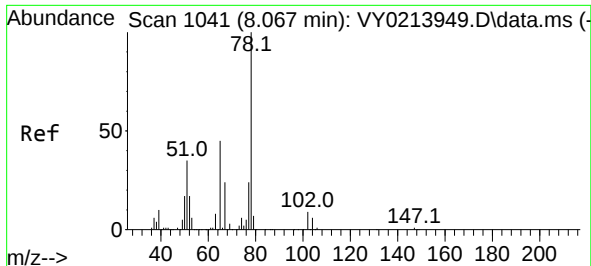
Ion Ratio Lower Upper

56 100

69 159.2 27.0 40.4#

84 132.9 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 59.812 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

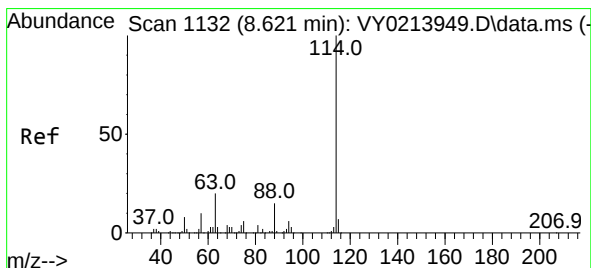
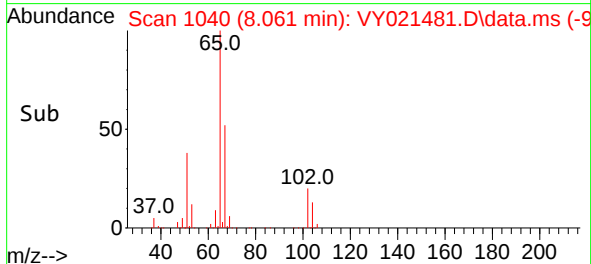
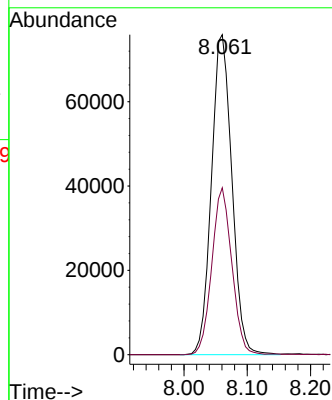
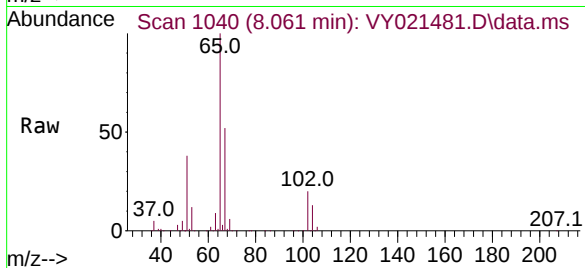
ENV-105-SB02

Tgt Ion: 65 Resp: 170368

Ion Ratio Lower Upper

65 100

67 51.2 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: VY021481.D

Acq: 11 Mar 2025 13:11

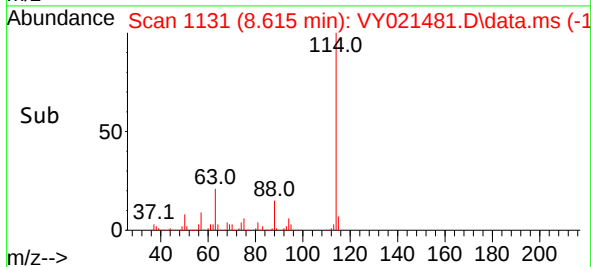
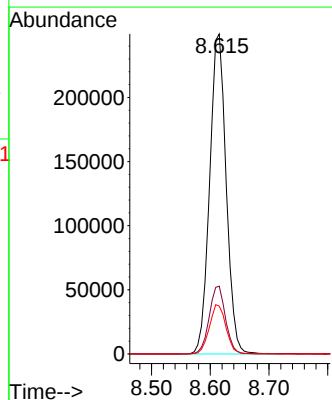
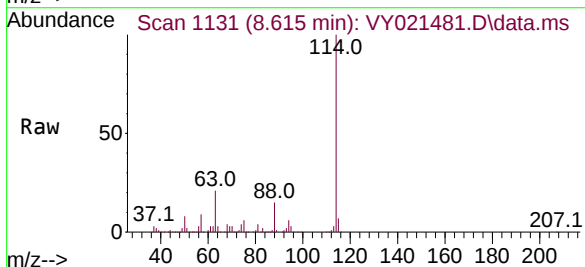
Tgt Ion: 114 Resp: 487605

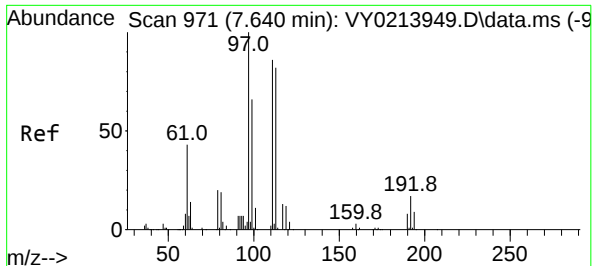
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.781 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

ENV-105-SB02

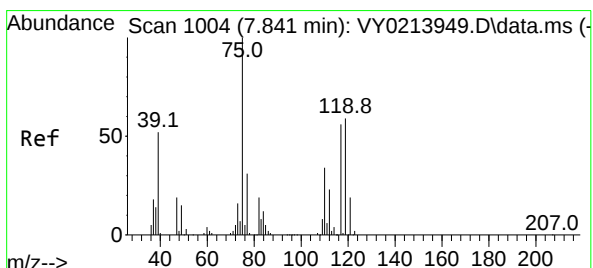
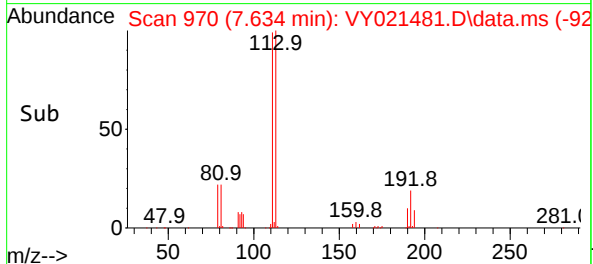
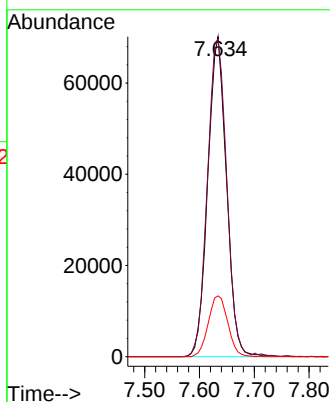
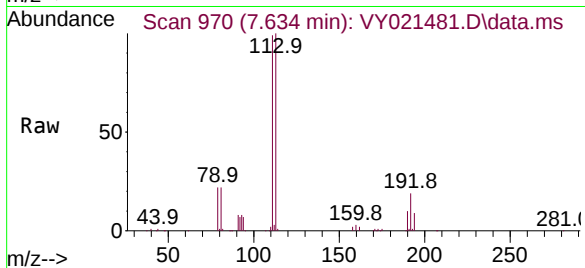
Tgt Ion:113 Resp: 165963

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 19.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.379 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

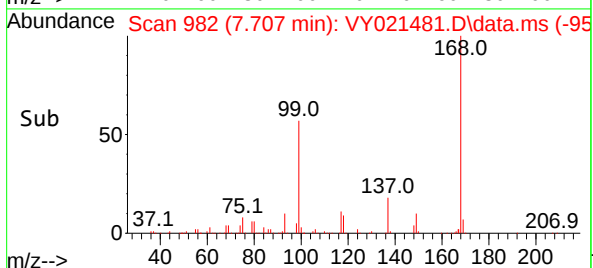
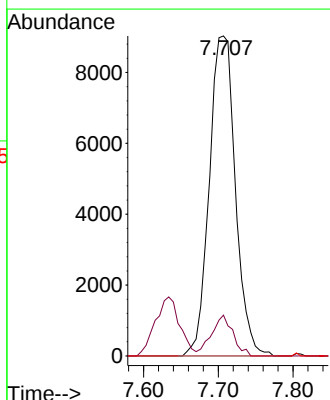
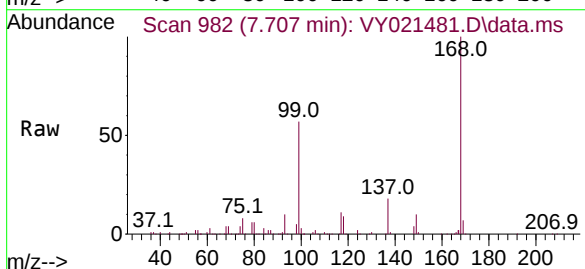
Tgt Ion: 75 Resp: 21971

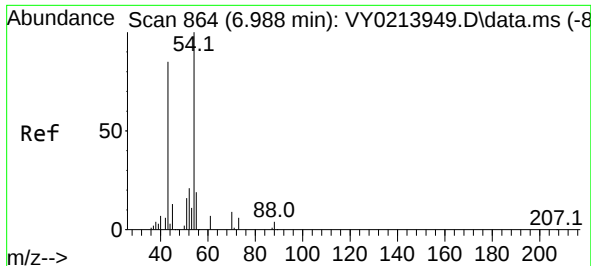
Ion Ratio Lower Upper

75 100

110 10.5 17.3 51.7#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.756 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

ENV-105-SB02

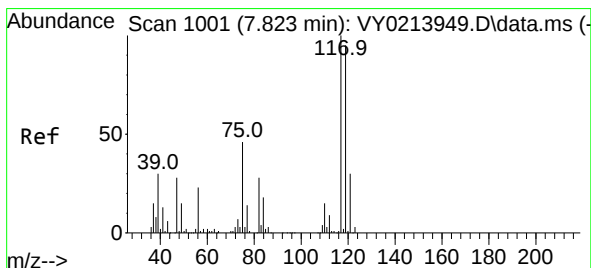
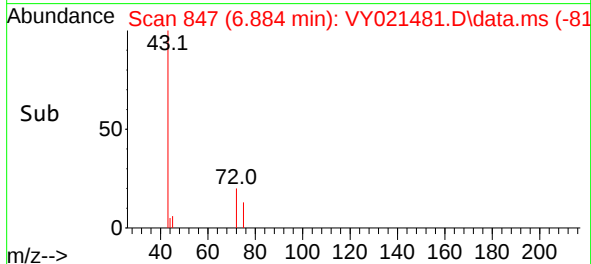
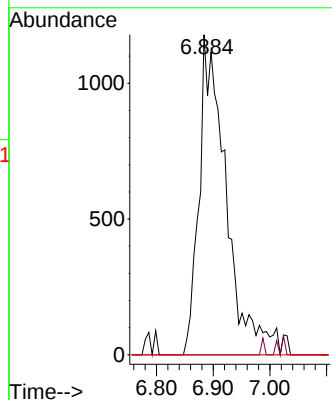
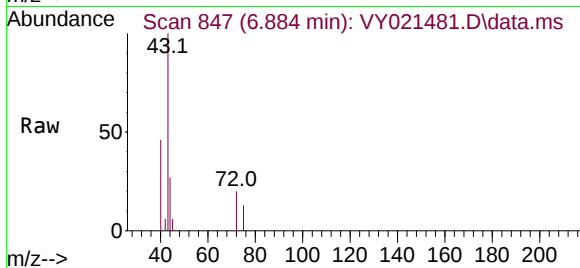
Tgt Ion: 43 Resp: 3893

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 4.849 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

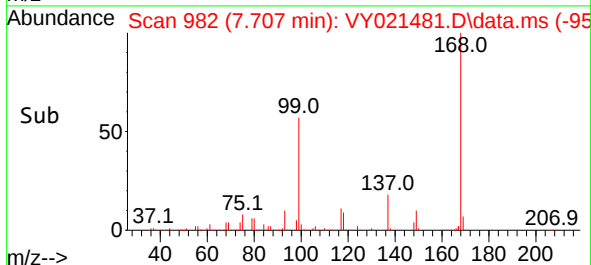
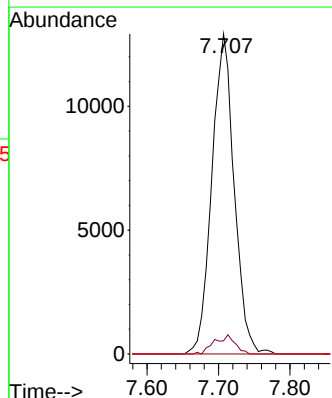
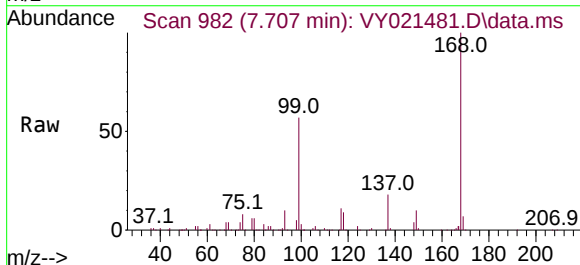
Tgt Ion: 117 Resp: 27979

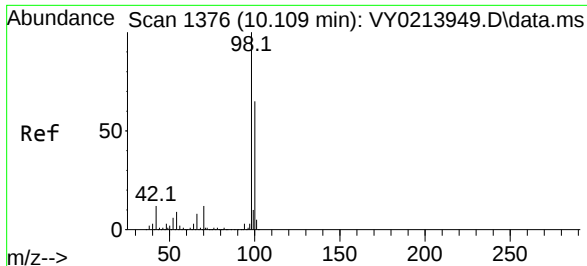
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

121 0.0 23.9 35.9#

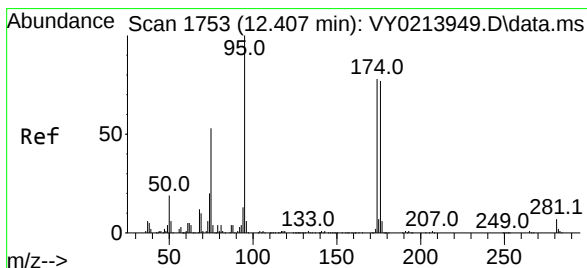
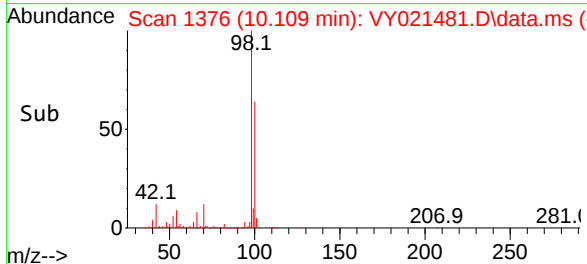
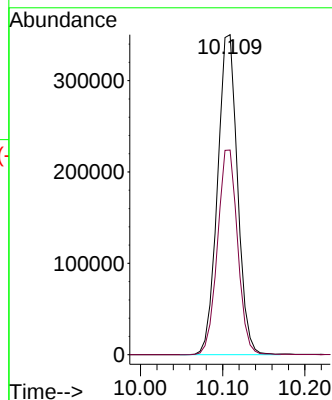
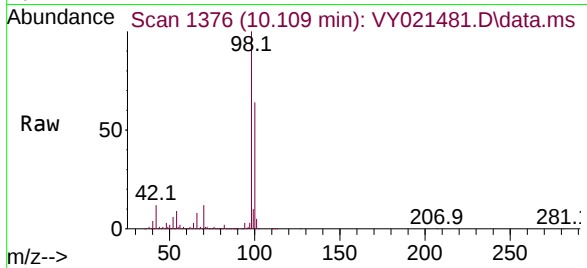




#50
Toluene-d8
Concen: 48.725 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

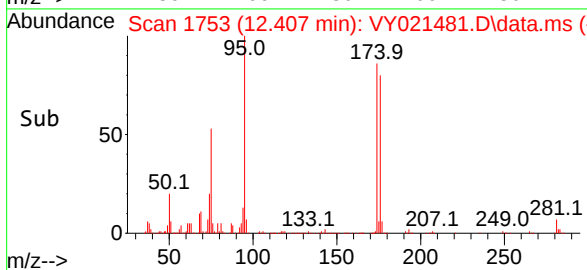
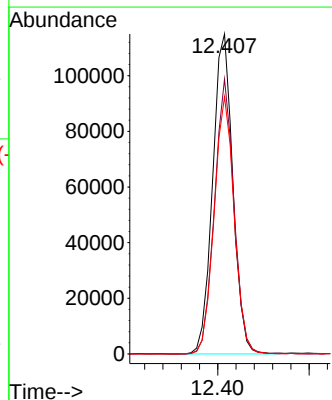
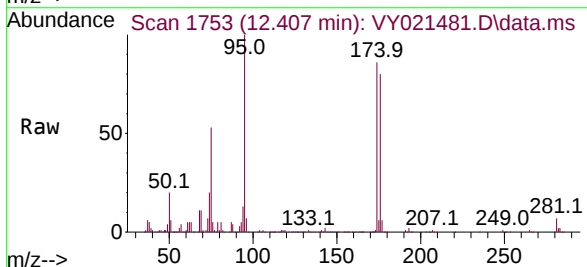
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

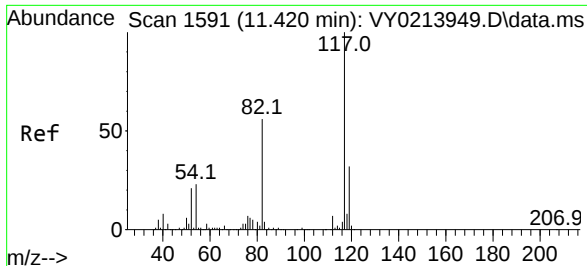
Tgt Ion: 98 Resp: 591303
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.593 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 95 Resp: 175823
Ion Ratio Lower Upper
95 100
174 83.5 0.0 165.0
176 80.0 0.0 160.0

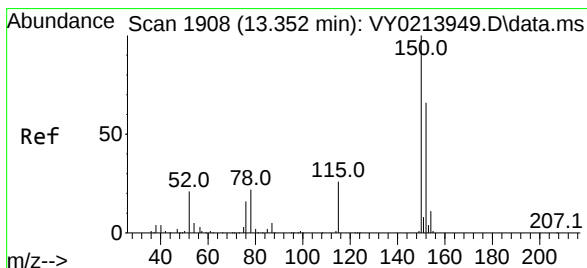
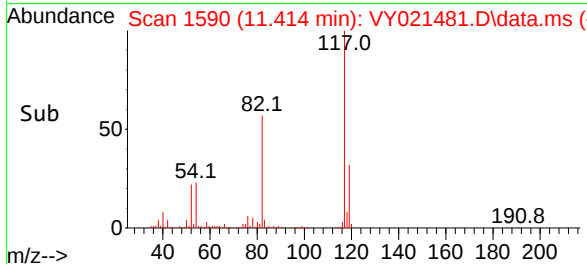
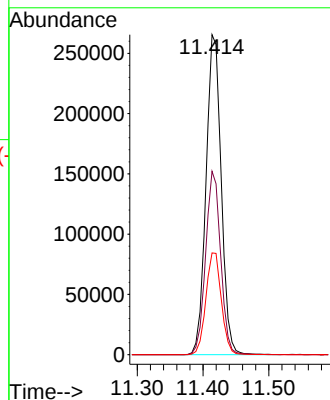
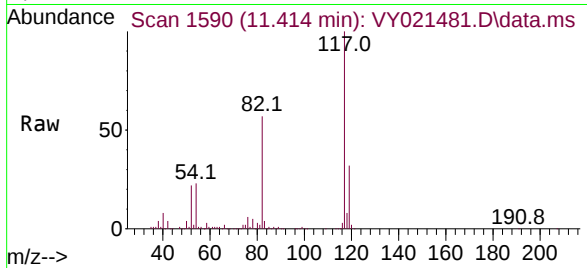




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

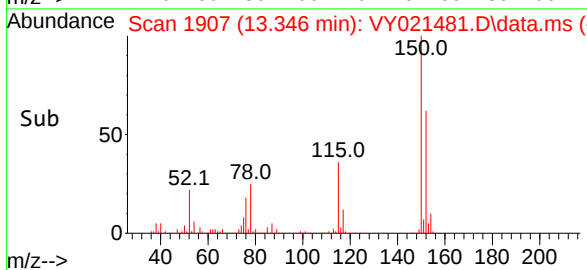
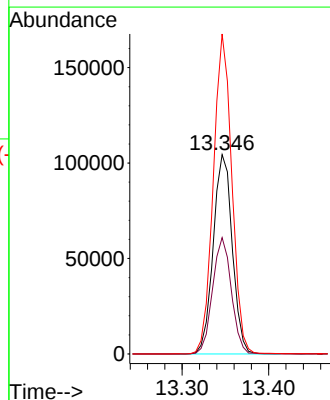
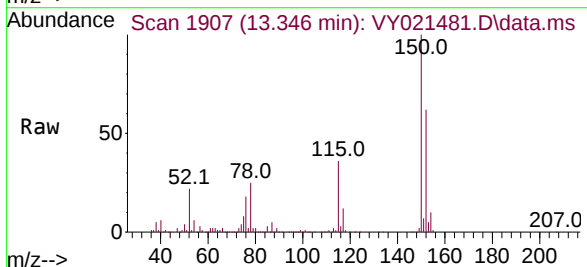
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

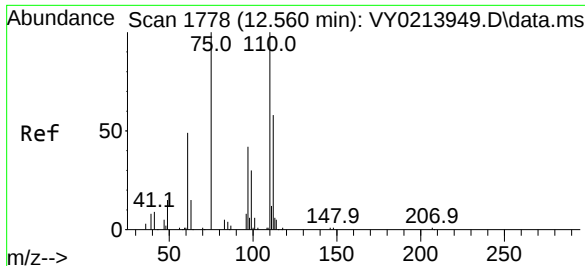
Tgt Ion:117 Resp: 426245
Ion Ratio Lower Upper
117 100
82 57.3 44.6 67.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion:152 Resp: 159684
Ion Ratio Lower Upper
152 100
115 57.4 29.0 87.0
150 156.1 0.0 347.2

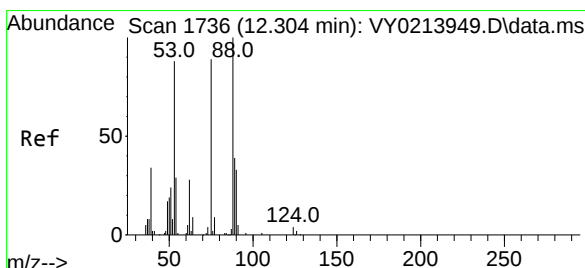
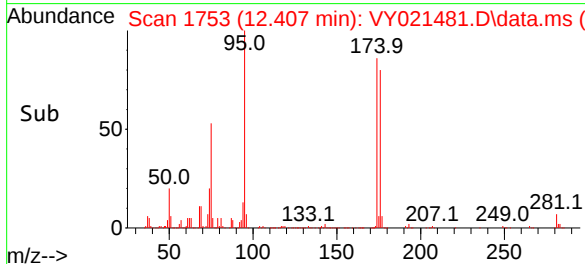
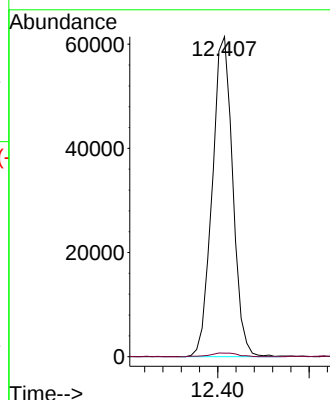
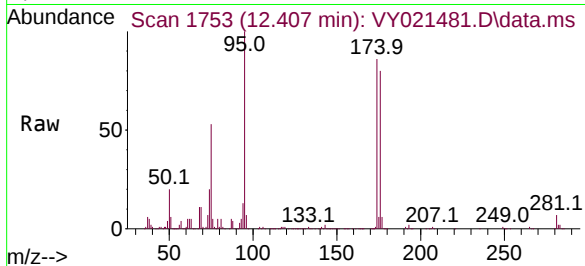




#76
1,2,3-Trichloropropane
Concen: 59.347 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

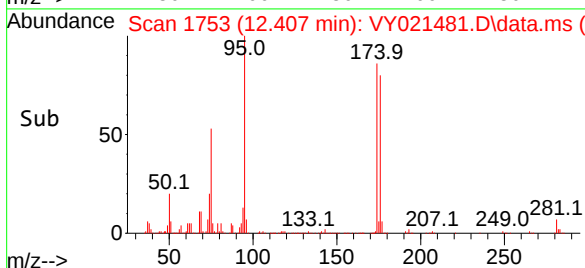
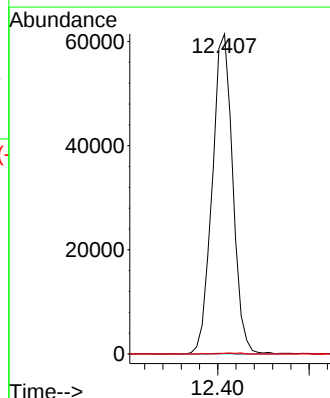
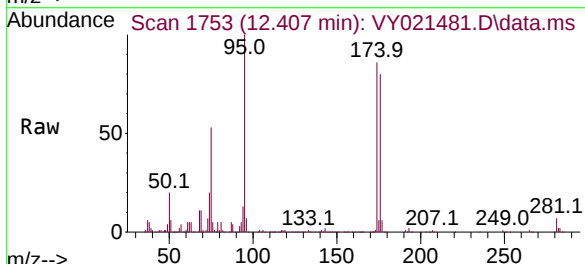
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

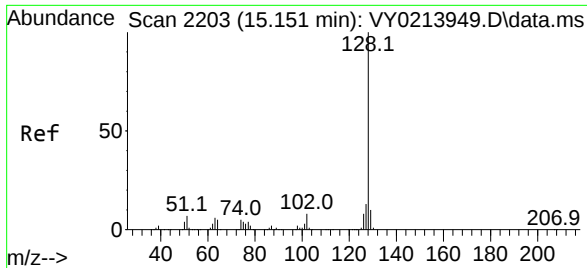
Tgt Ion: 75 Resp: 95496
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.914 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 75 Resp: 95496
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.2 36.9 55.3#





#95

Naphthalene

Concen: 3.859 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021481.D

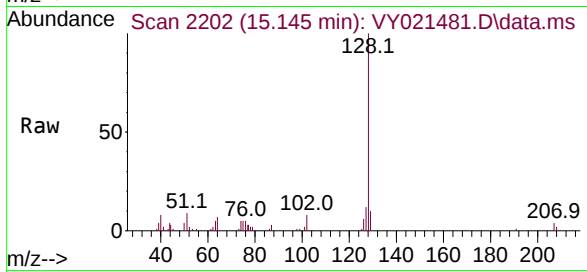
Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

ENV-105-SB02



Tgt Ion:128 Resp: 10470

Ion Ratio Lower Upper

128 100

127 14.2 10.6 15.8

129 12.6 8.6 13.0

