

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021462.D
 Acq On : 07 Mar 2025 15:39
 Operator : SY/MD
 Sample : Q1541-01
 Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-105-SB01

Quant Time: Mar 07 22:02:15 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)

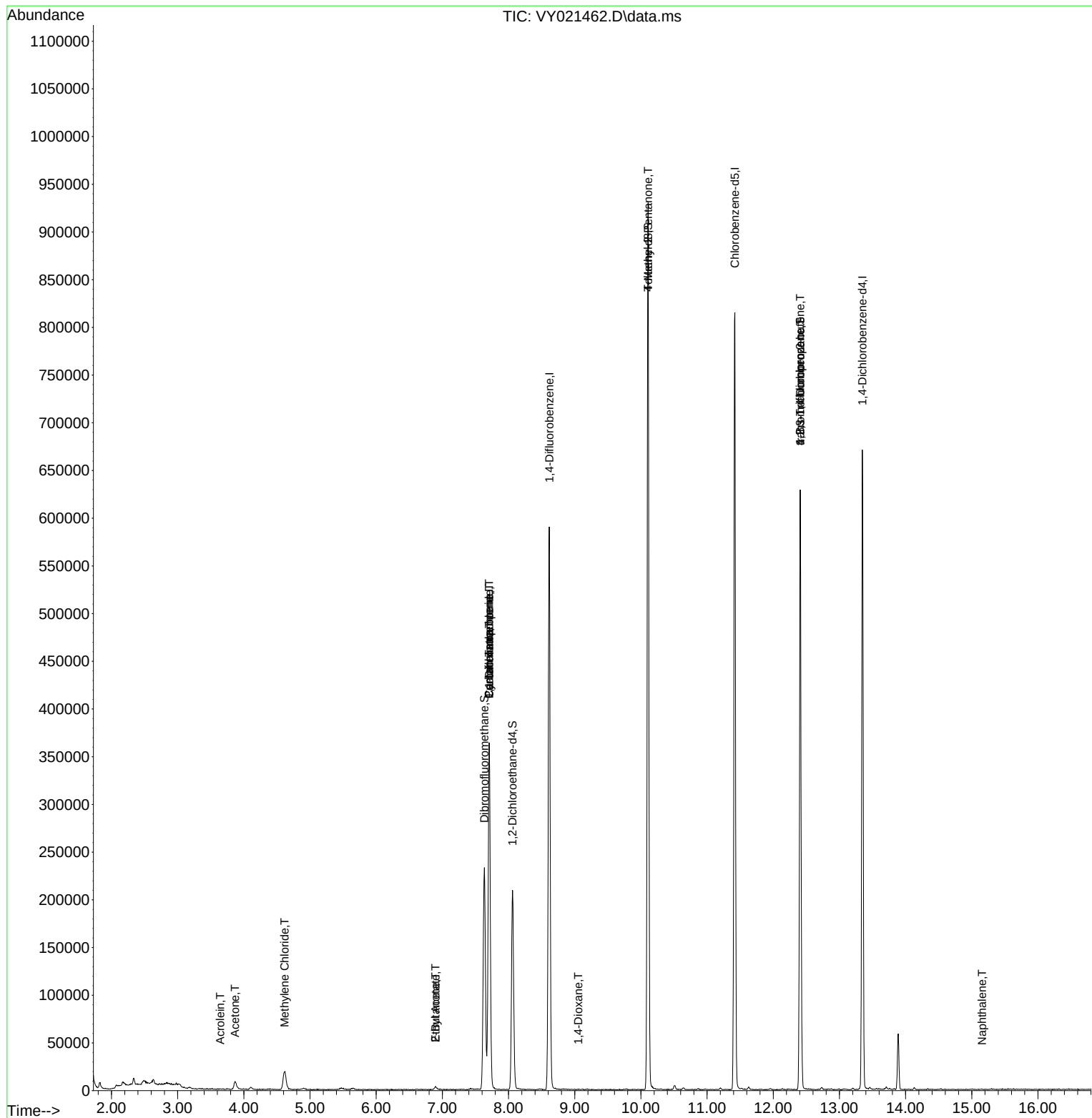
Internal Standards						
1) Pentafluorobenzene	7.707	168	267032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	482595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	420559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	161208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166938	59.148	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.300%	
35) Dibromofluoromethane	7.634	113	162074	51.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.109	98	589419	49.074	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.140%	
62) 4-Bromofluorobenzene	12.408	95	172721	42.276	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	281	Below Cal	#	72
13) Acrolein	3.641	56	392	2.731	ug/l #	76
16) Acetone	3.866	43	14336	23.288	ug/l #	79
20) Methylene Chloride	4.616	84	14656	4.536	ug/l	91
25) 2-Butanone	6.896	43	3944	4.632	ug/l	95
31) Cyclohexane	7.707	56	6284	1.189	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	22145	4.460	ug/l #	50
37) Ethyl Acetate	6.896	43	3944	1.797	ug/l #	69
38) Carbon Tetrachloride	7.707	117	27548	4.824	ug/l #	15
49) 1,4-Dioxane	9.055	88	26	1.368	ug/l #	1
51) 4-Methyl-2-Pentanone	10.109	43	3034	1.380	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	94331	58.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	94331	132.009	ug/l #	9
95) Naphthalene	15.157	128	226	1.500	ug/l #	69

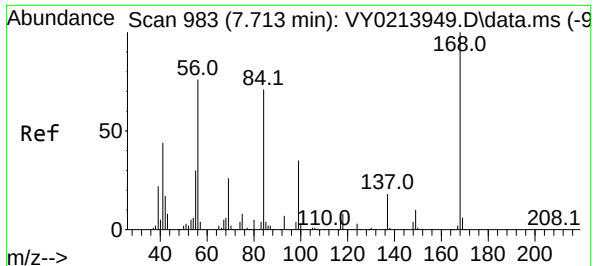
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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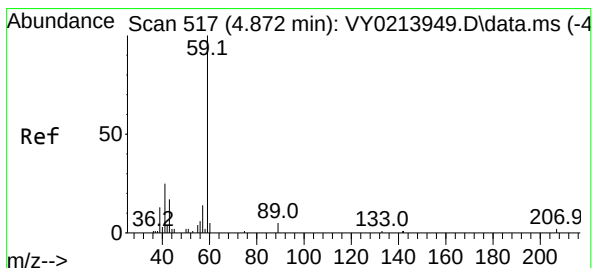
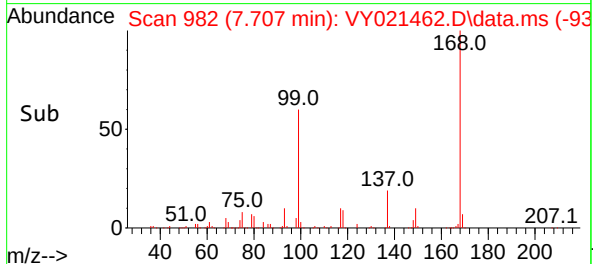
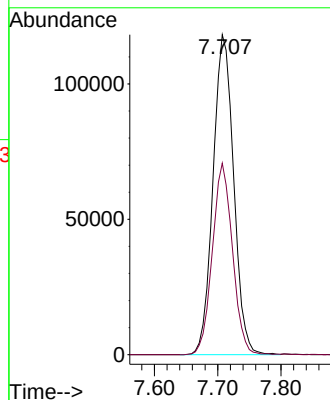
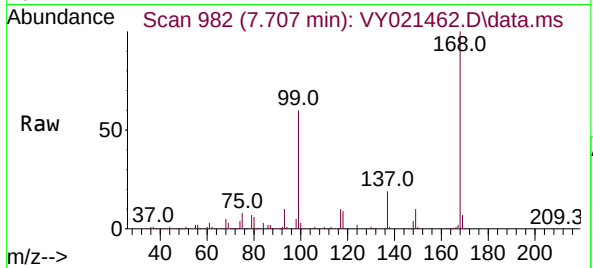




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

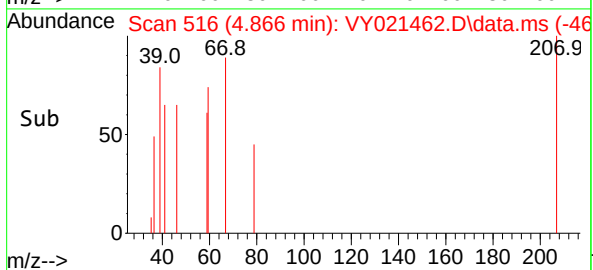
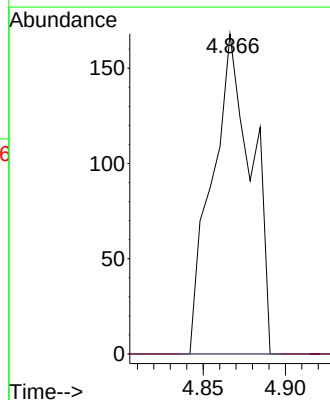
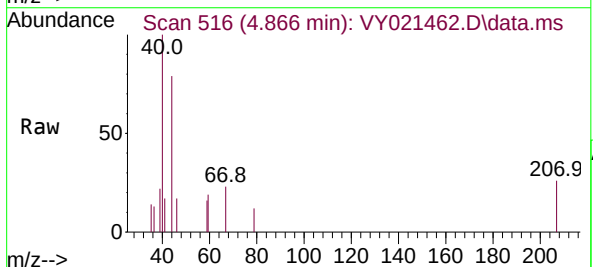
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

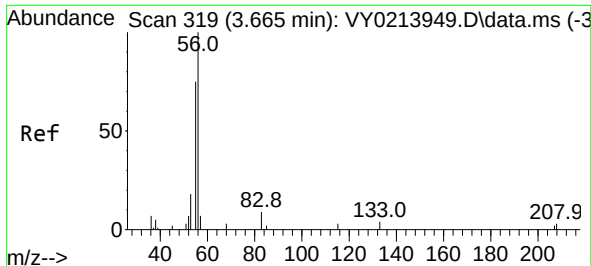
Tgt Ion:168 Resp: 267032
Ion Ratio Lower Upper
168 100
99 59.9 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

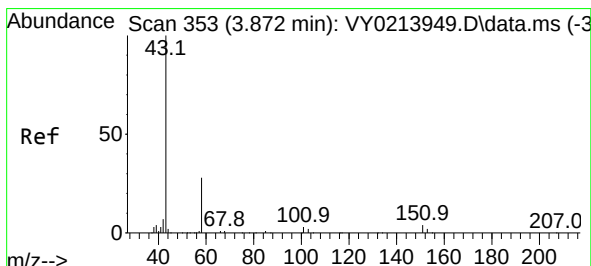
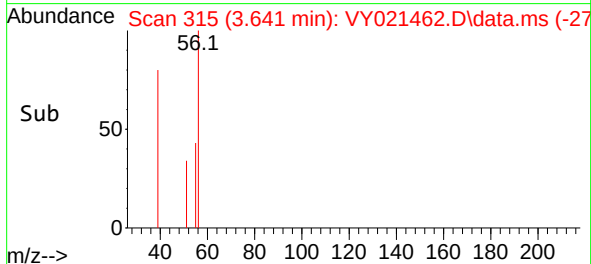
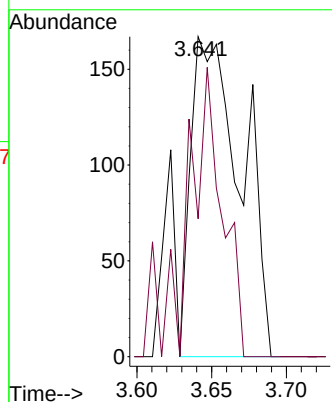
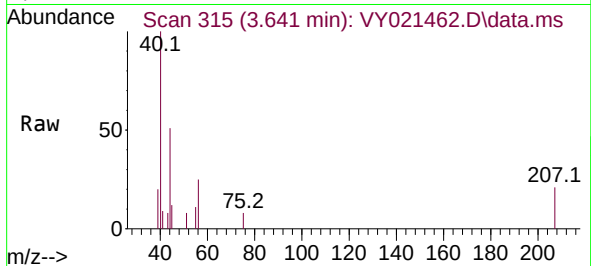




#13
Acrolein
Concen: 2.731 ug/l
RT: 3.641 min Scan# 31
Delta R.T. -0.024 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

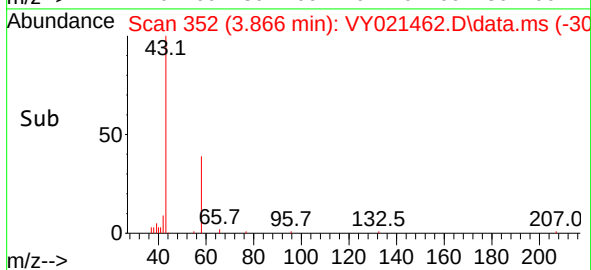
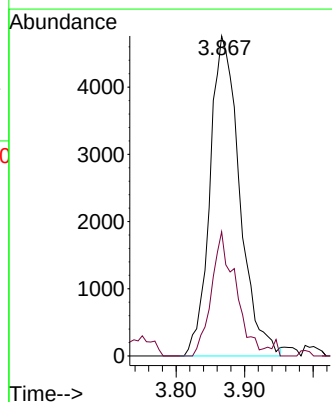
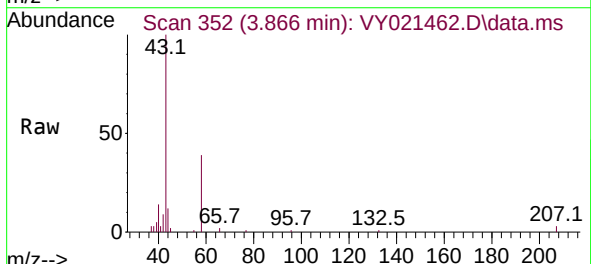
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

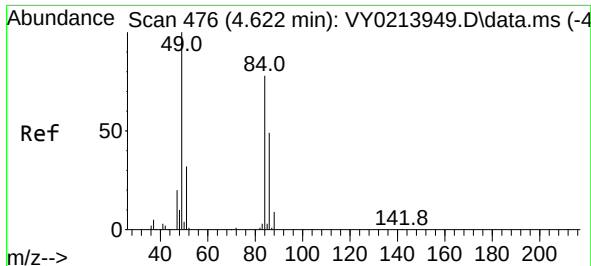
Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 58.2 63.4 95.2#



#16
Acetone
Concen: 23.288 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion: 43 Resp: 14336
Ion Ratio Lower Upper
43 100
58 38.8 22.1 33.1#

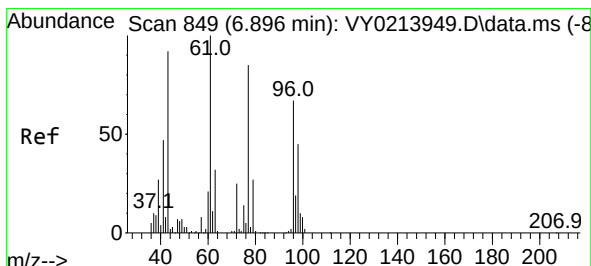
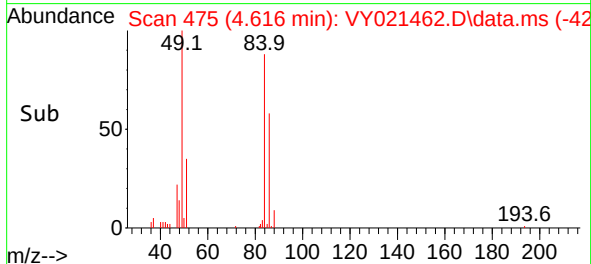
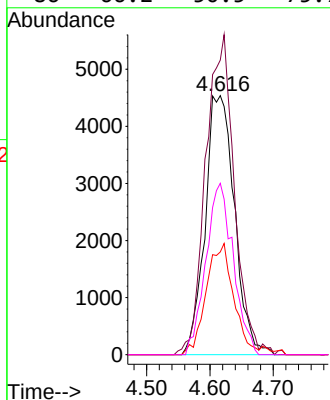
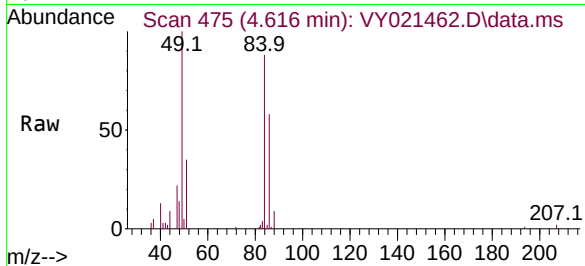




#20
Methylene Chloride
Concen: 4.536 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

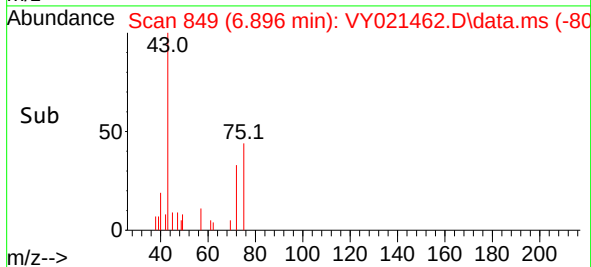
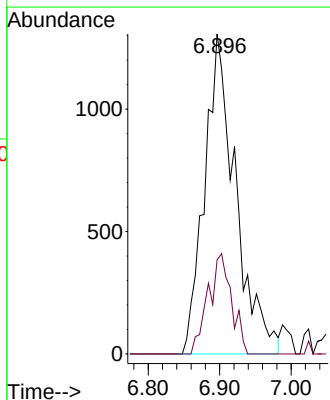
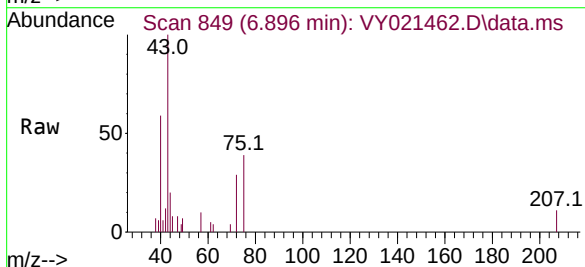
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

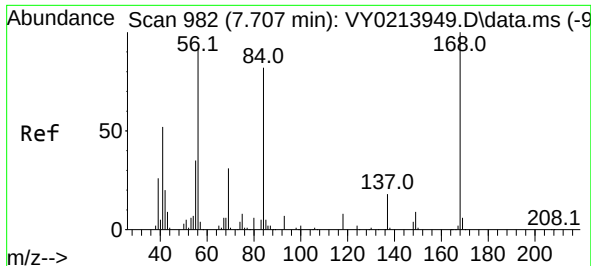
Tgt Ion:	84	Resp:	14656
Ion	Ratio	Lower	Upper
84	100		
49	112.3	102.0	153.0
51	39.6	33.0	49.6
86	66.2	50.5	75.7



#25
2-Butanone
Concen: 4.632 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion:	43	Resp:	3944
Ion	Ratio	Lower	Upper
43	100		
72	29.4	21.4	32.0

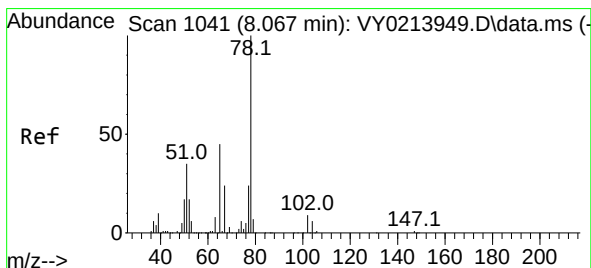
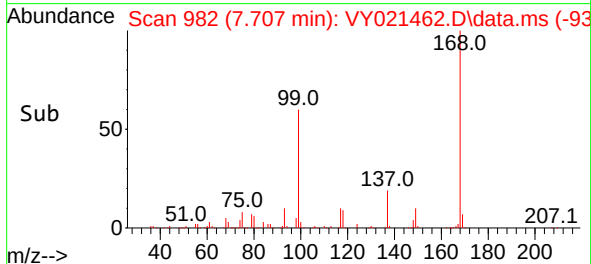
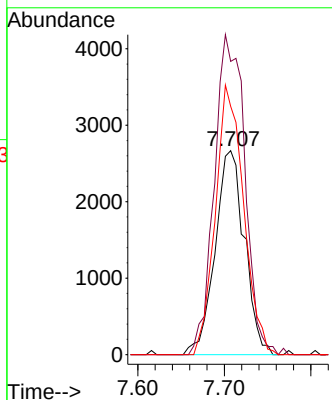
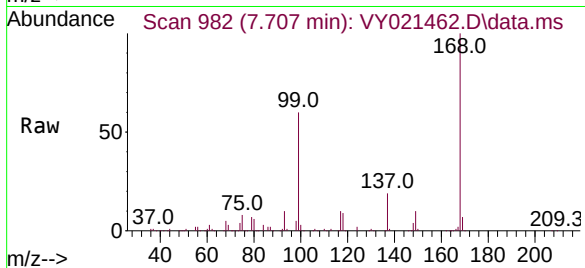




#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

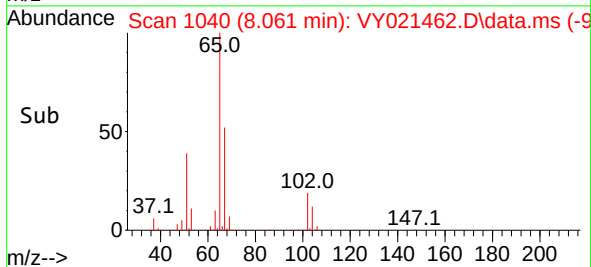
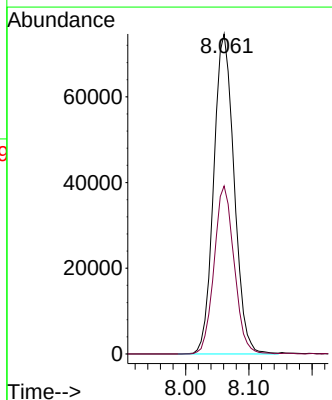
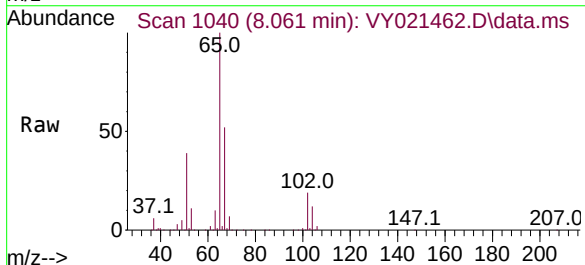
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

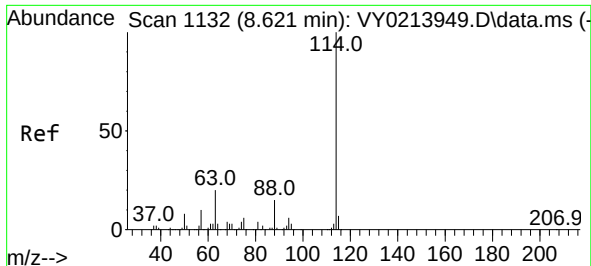
Tgt Ion: 56 Resp: 6284
Ion Ratio Lower Upper
56 100
69 143.7 27.0 40.4#
84 121.7 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 59.148 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion: 65 Resp: 166938
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.8

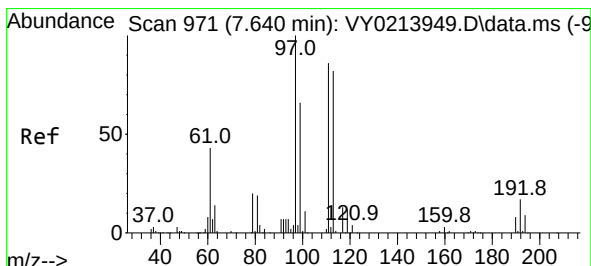
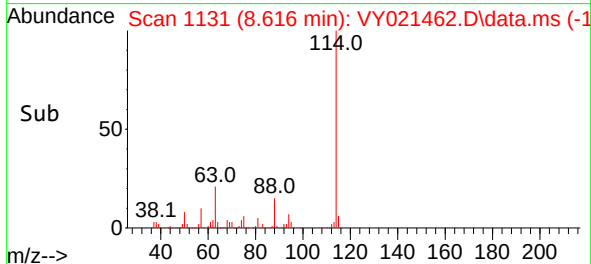
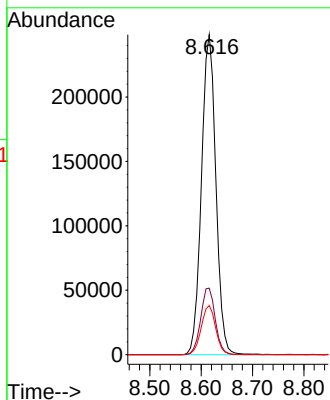
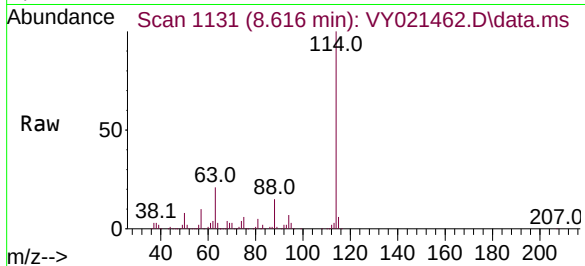




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

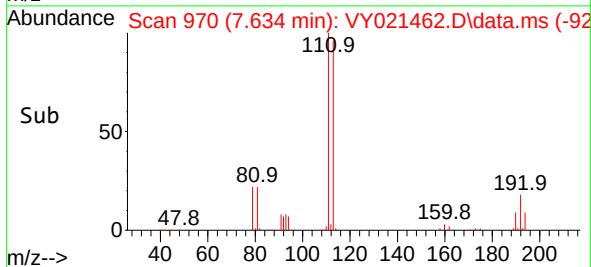
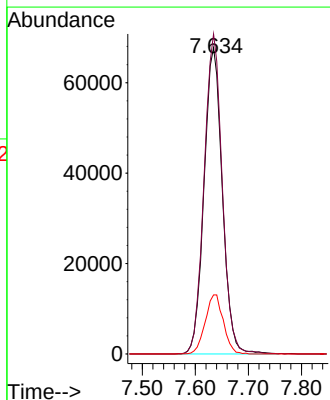
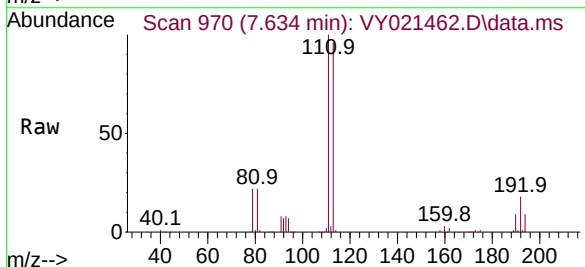
Instrument :
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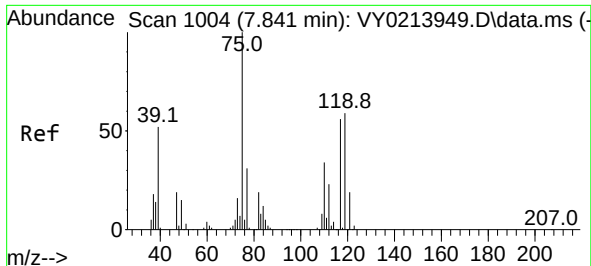
Tgt Ion:114 Resp: 482595
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.4 0.0 30.8



#35
Dibromofluoromethane
Concen: 51.093 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion:113 Resp: 162074
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 19.1 15.9 23.9

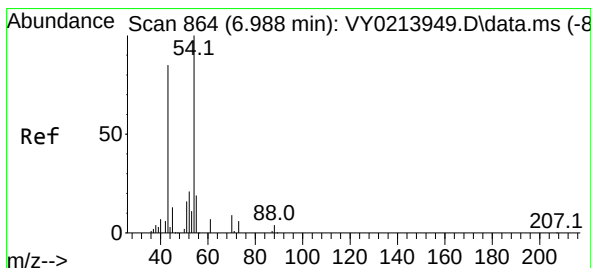
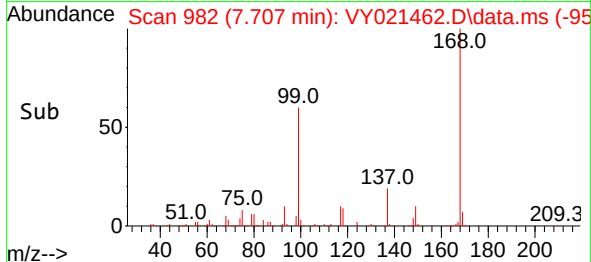
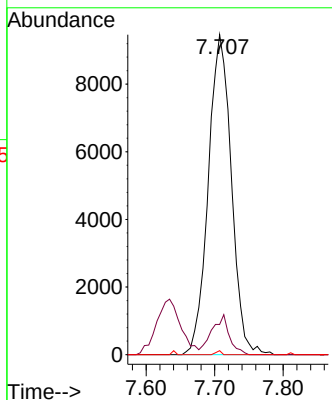
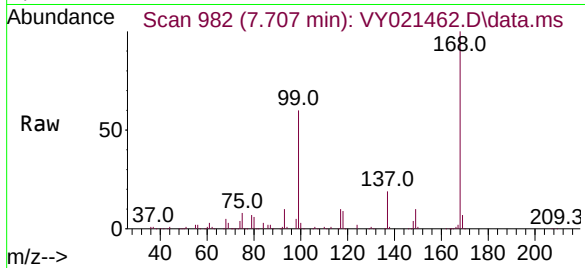




#36
 1,1-Dichloropropene
 Concen: 4.460 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY021462.D
 Acq: 07 Mar 2025 15:39

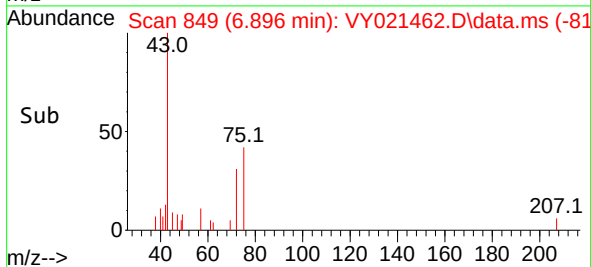
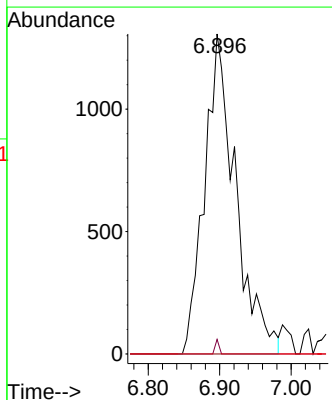
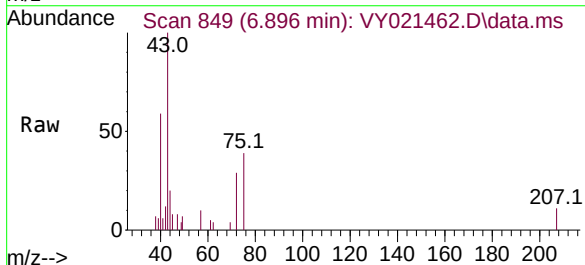
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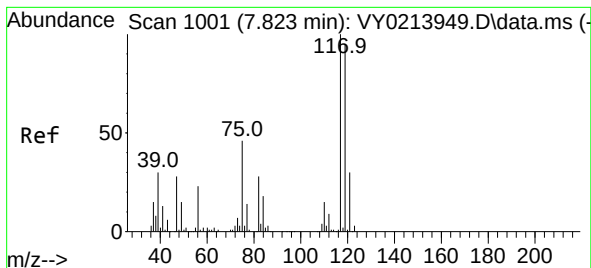
Tgt Ion: 75 Resp: 22145
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.3 51.7#
 77 0.3 25.4 38.2#



#37
 Ethyl Acetate
 Concen: 1.797 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.091 min
 Lab File: VY021462.D
 Acq: 07 Mar 2025 15:39

Tgt Ion: 43 Resp: 3944
 Ion Ratio Lower Upper
 43 100
 61 0.6 11.4 17.0#
 70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 4.824 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY021462.D

Acq: 07 Mar 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

ENV-105-SB01

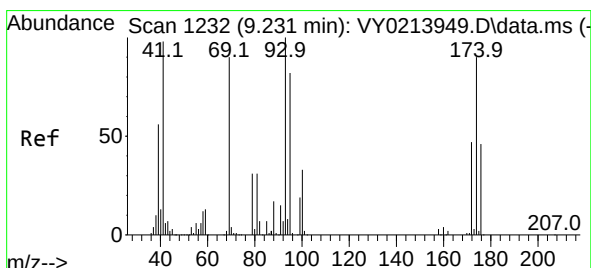
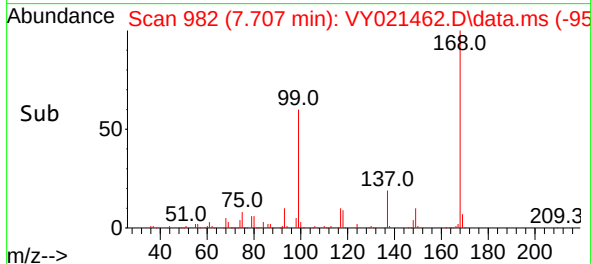
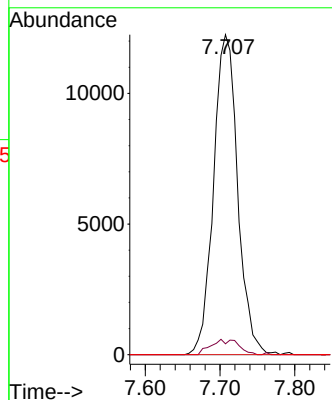
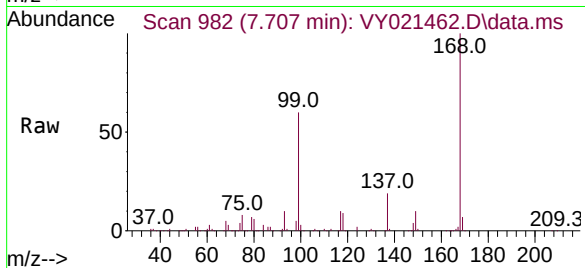
Tgt Ion:117 Resp: 27548

Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.8#

121 0.0 23.9 35.9#



#49

1,4-Dioxane

Concen: 1.368 ug/l

RT: 9.055 min Scan# 1203

Delta R.T. -0.176 min

Lab File: VY021462.D

Acq: 07 Mar 2025 15:39

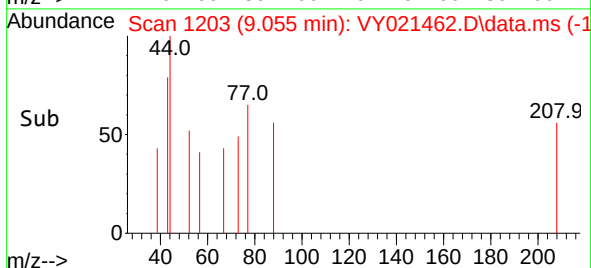
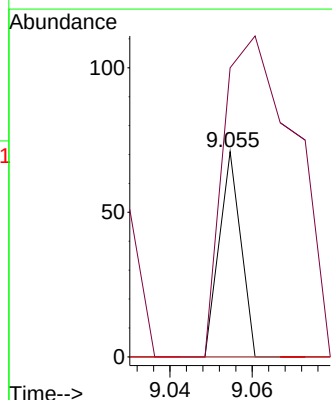
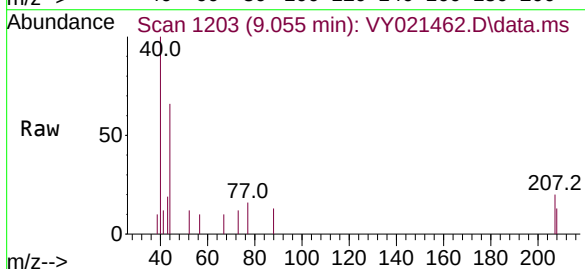
Tgt Ion: 88 Resp: 26

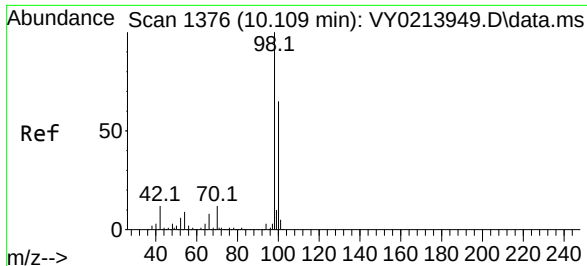
Ion Ratio Lower Upper

88 100

43 515.4 25.0 37.4#

58 0.0 58.4 87.6#

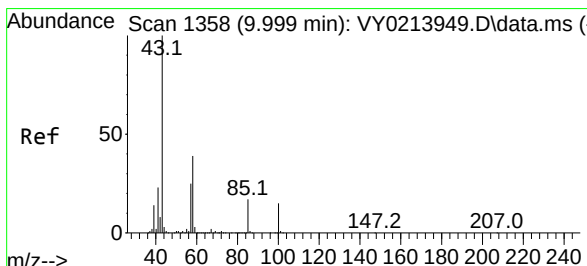
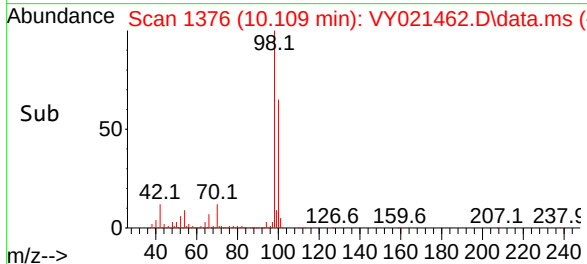
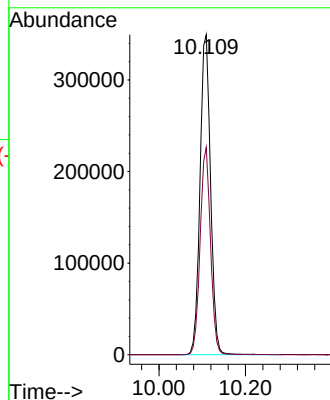
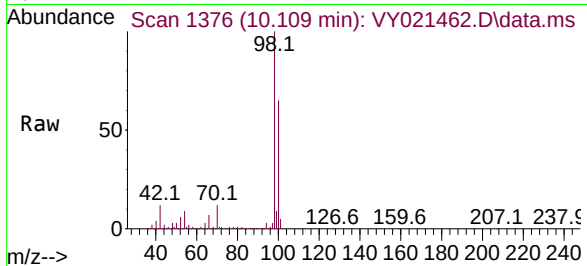




#50
Toluene-d8
Concen: 49.074 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

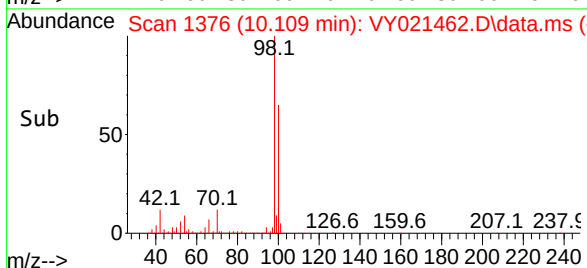
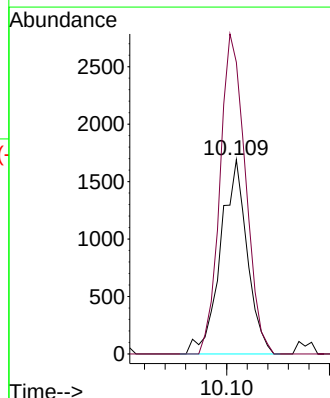
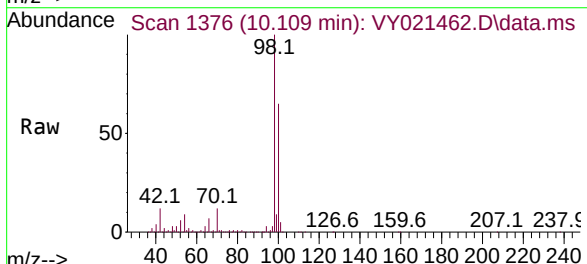
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

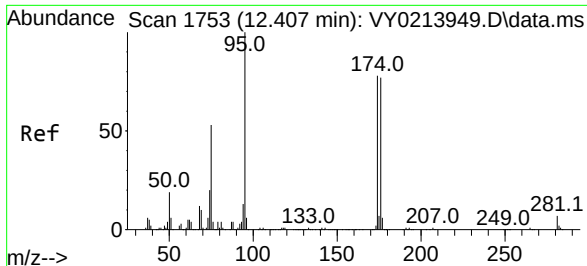
Tgt Ion: 98 Resp: 589419
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.380 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion: 43 Resp: 3034
Ion Ratio Lower Upper
43 100
58 157.8 31.4 47.2#

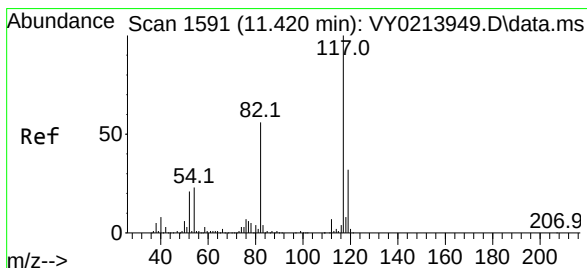
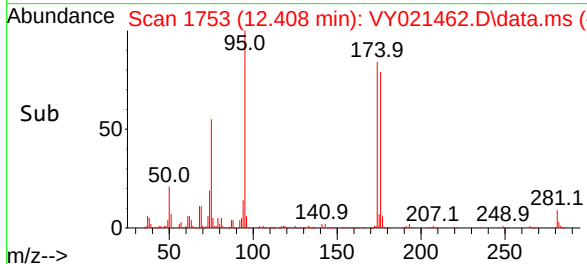
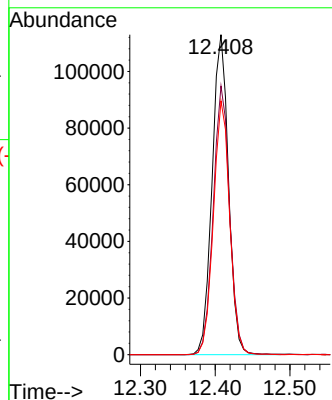
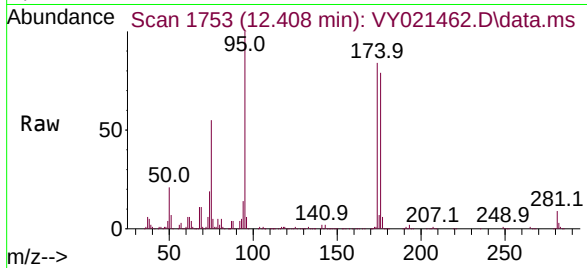




#62
4-Bromofluorobenzene
Concen: 42.276 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

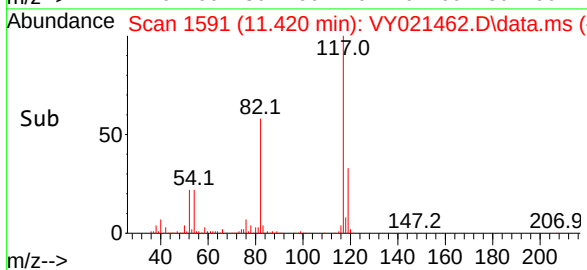
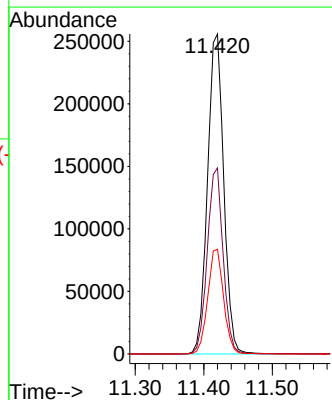
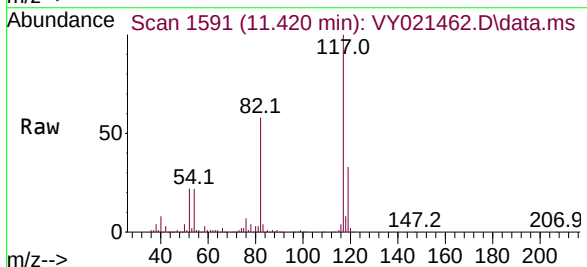
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

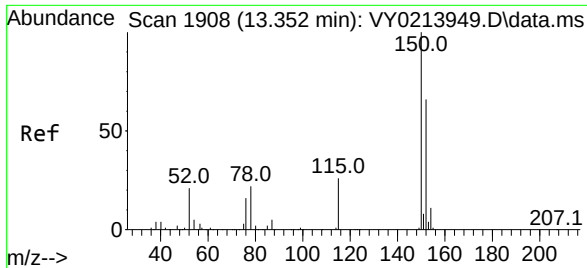
Tgt Ion: 95 Resp: 172721
Ion Ratio Lower Upper
95 100
174 83.8 0.0 165.0
176 78.8 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion: 117 Resp: 420559
Ion Ratio Lower Upper
117 100
82 58.2 44.6 67.0
119 32.7 25.4 38.0

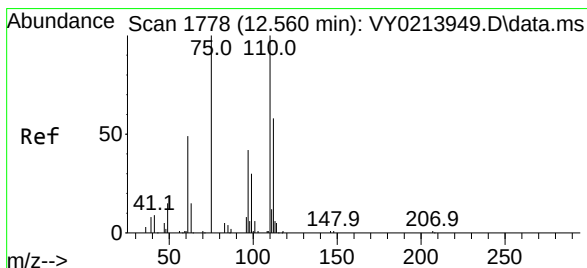
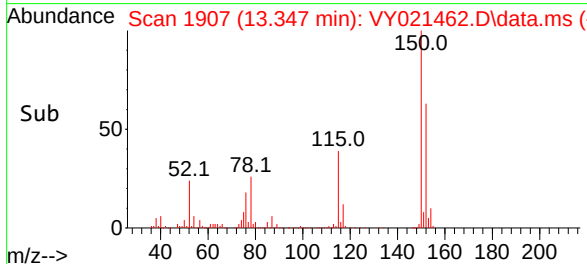
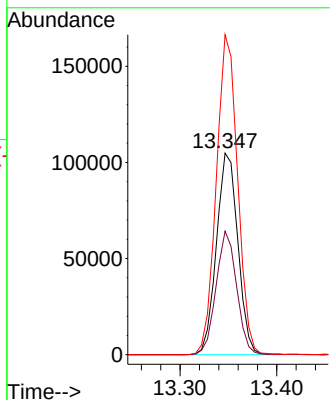
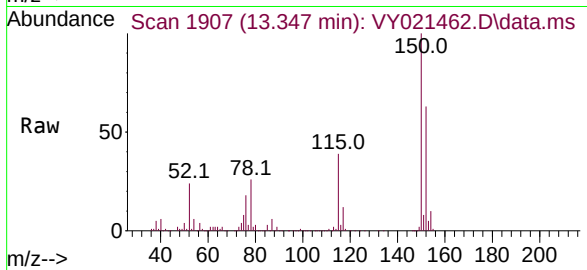




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021462.D
 Acq: 07 Mar 2025 15:39

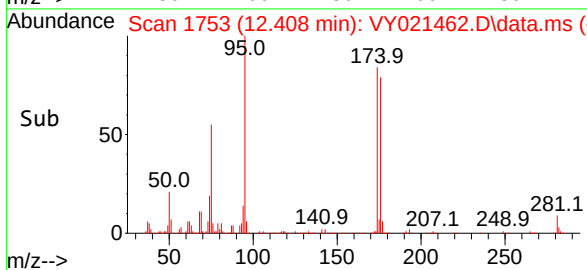
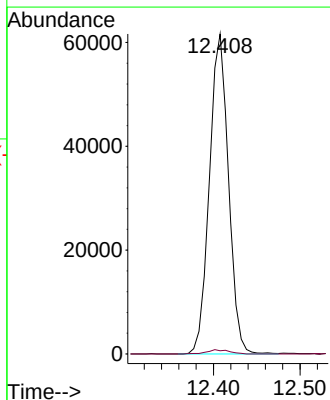
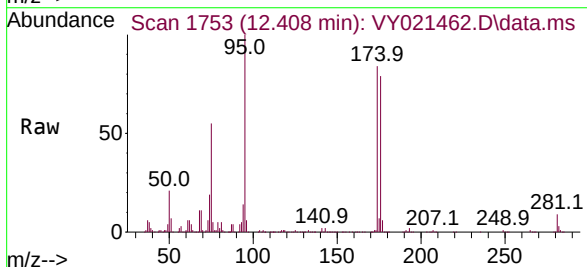
Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-105-SB01

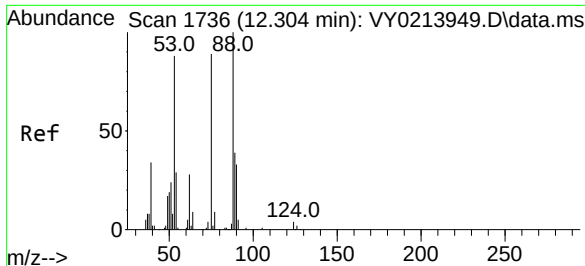
Tgt Ion:152 Resp: 161208
 Ion Ratio Lower Upper
 152 100
 115 58.9 29.0 87.0
 150 157.6 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 58.069 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021462.D
 Acq: 07 Mar 2025 15:39

Tgt Ion: 75 Resp: 94331
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

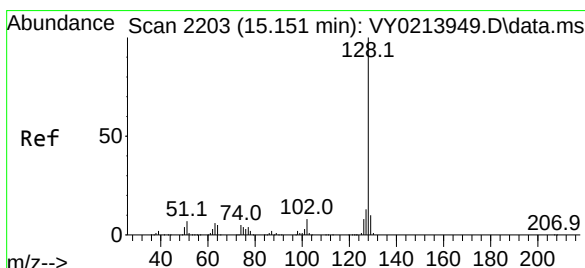
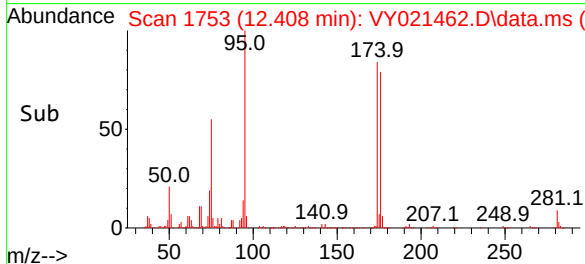
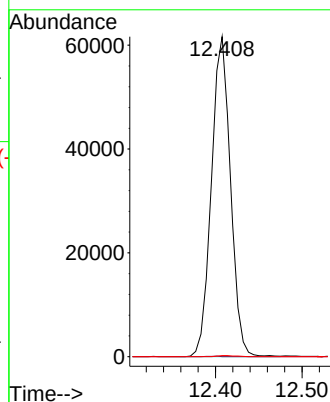
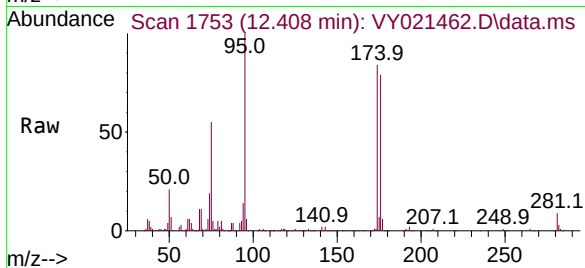




#81
trans-1,4-Dichloro-2-butene
Concen: 132.009 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Tgt Ion: 75 Resp: 94331
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.3 36.9 55.3#



#95
Naphthalene
Concen: 1.500 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY021462.D
Acq: 07 Mar 2025 15:39

Tgt Ion:128 Resp: 226
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

