

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021459.D
 Acq On : 07 Mar 2025 14:28
 Operator : SY/MD
 Sample : Q1488-07
 Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB02

Quant Time: Mar 07 22:01:31 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)

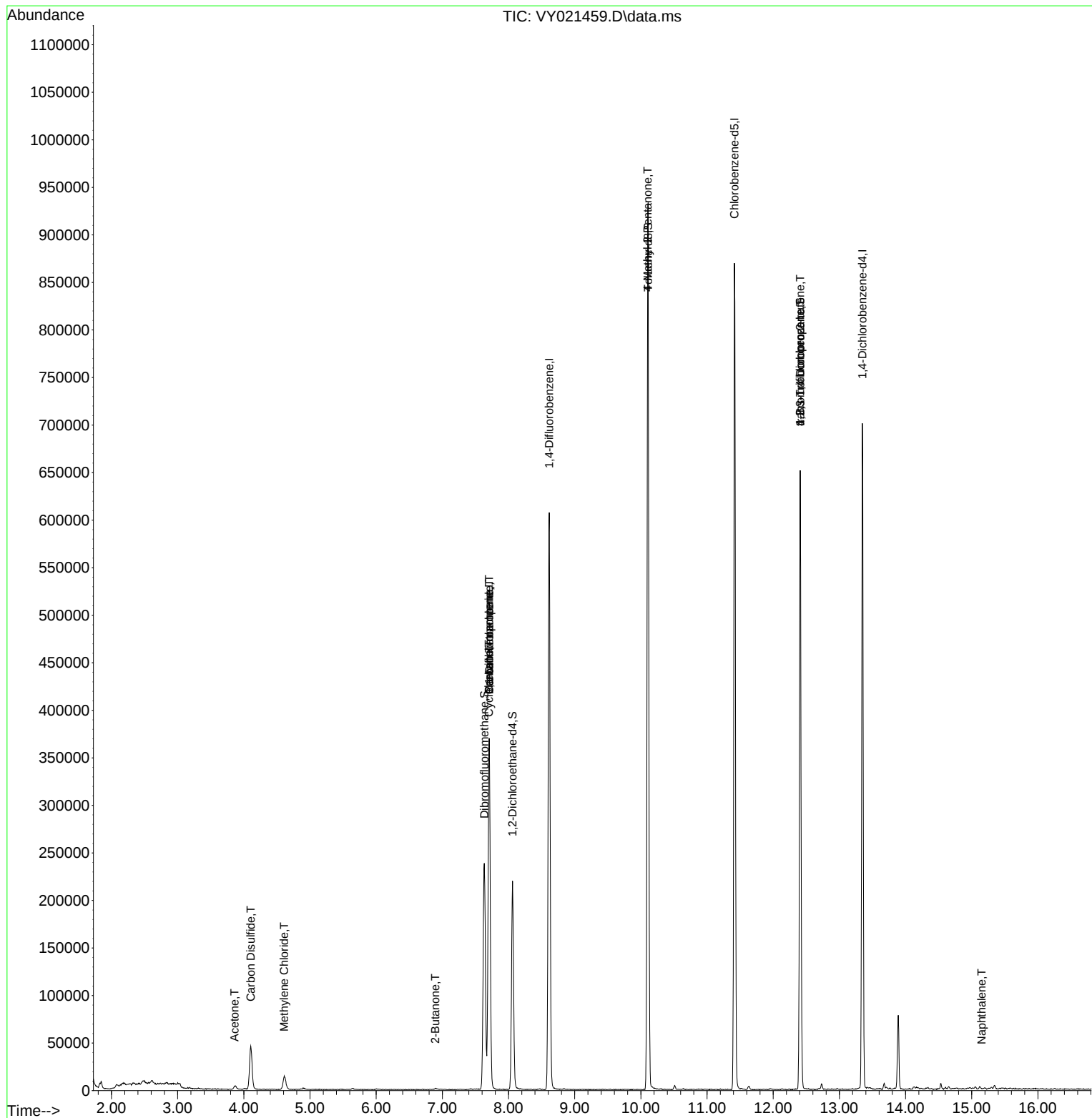
Internal Standards						
1) Pentafluorobenzene	7.707	168	280904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	440256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168912	56.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.780%	
35) Dibromofluoromethane	7.634	113	168708	50.511	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.020%	
50) Toluene-d8	10.109	98	605434	47.874	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.740%	
62) 4-Bromofluorobenzene	12.408	95	180735	42.014	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	254	Below Cal	#	72
16) Acetone	3.860	43	3117	4.813	ug/l	90
17) Carbon Disulfide	4.104	76	89720	9.921	ug/l	100
20) Methylene Chloride	4.610	84	9707	2.856	ug/l	95
25) 2-Butanone	6.890	43	1489	1.662	ug/l #	78
31) Cyclohexane	7.701	56	6147	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23482	4.491	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29005	4.824	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3048	1.317	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	98496	57.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	98496	131.561	ug/l #	9
95) Naphthalene	15.151	128	416	1.539	ug/l #	69

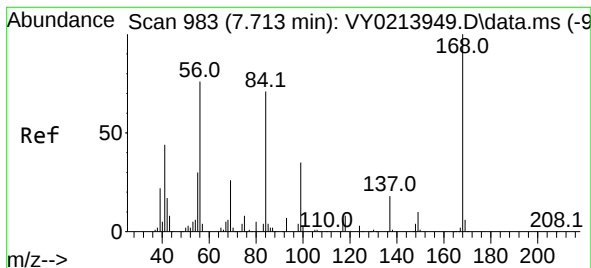
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

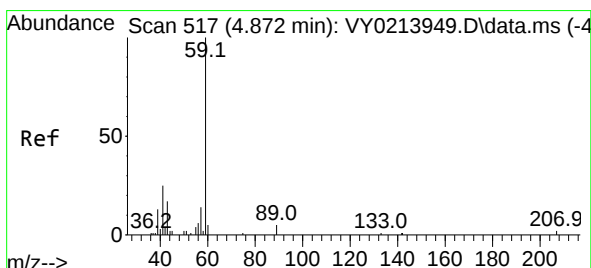
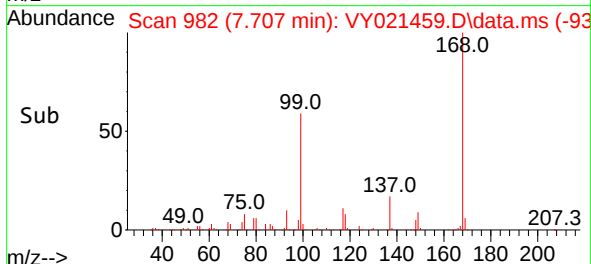
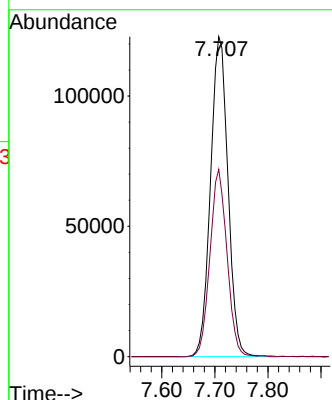
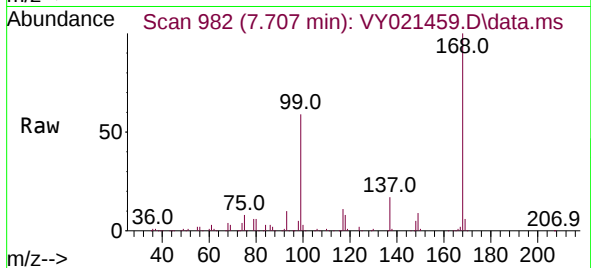
ENV-102-SB02

Tgt Ion:168 Resp: 280904

Ion Ratio Lower Upper

168 100

99 58.5 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: VY021459.D

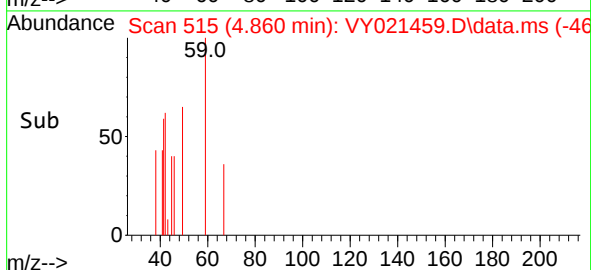
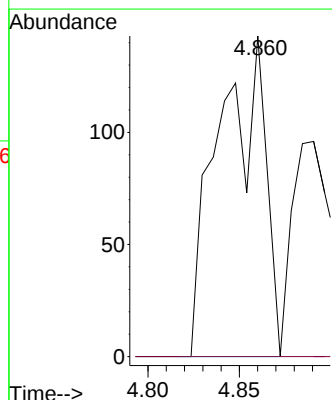
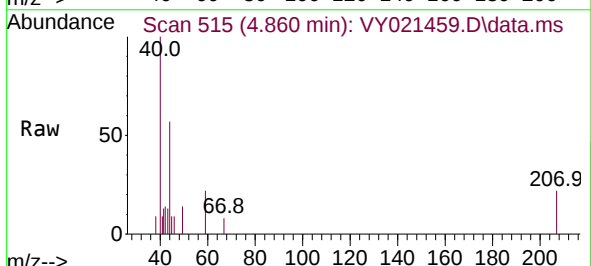
Acq: 07 Mar 2025 14:28

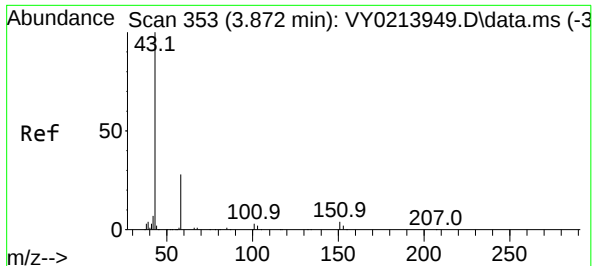
Tgt Ion: 59 Resp: 254

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

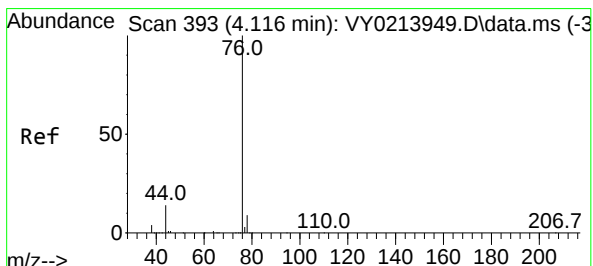
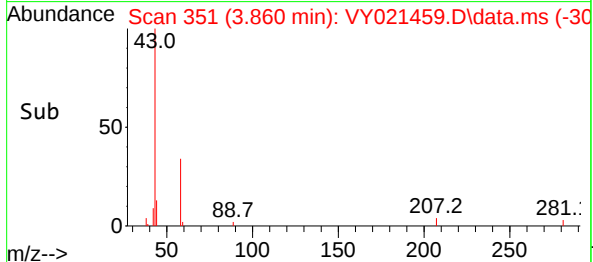
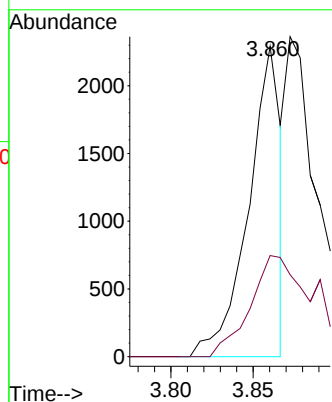
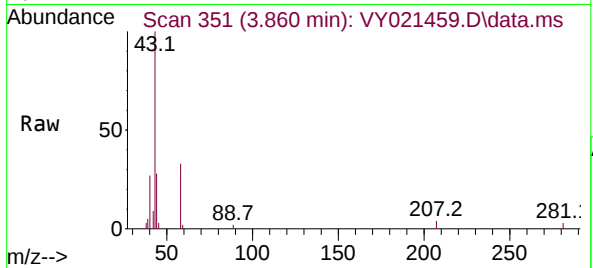




#16
Acetone
Concen: 4.813 ug/l
RT: 3.860 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

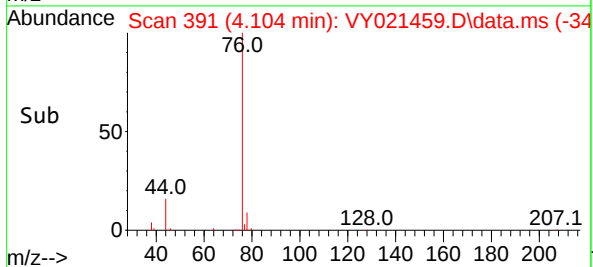
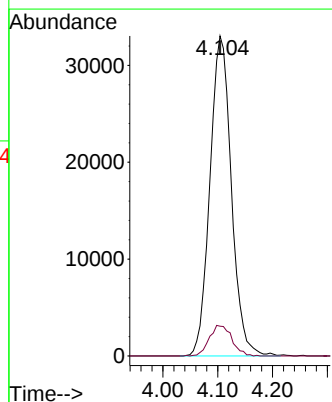
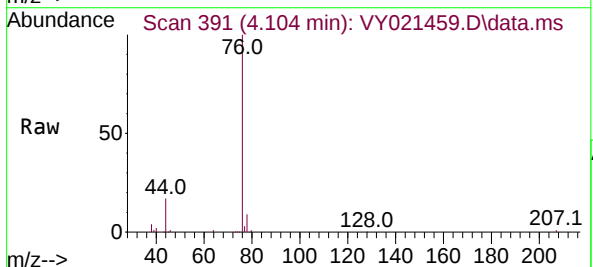
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

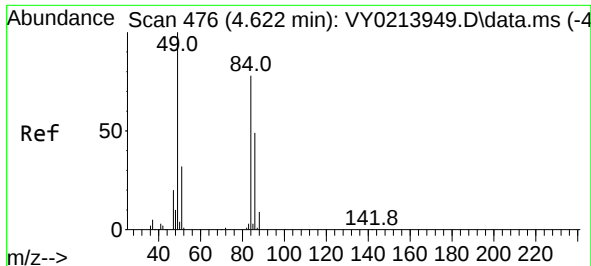
Tgt Ion: 43 Resp: 3117
Ion Ratio Lower Upper
43 100
58 32.6 22.1 33.1



#17
Carbon Disulfide
Concen: 9.921 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 76 Resp: 89720
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

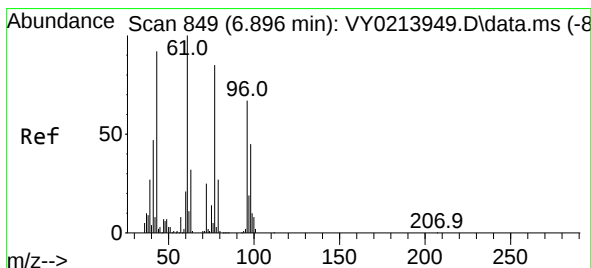
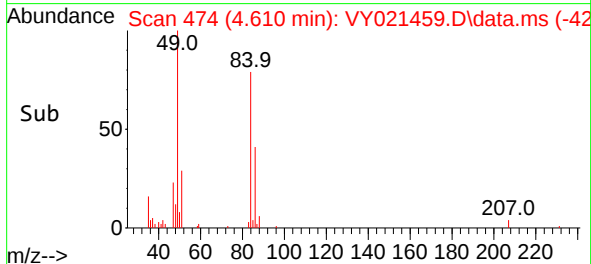
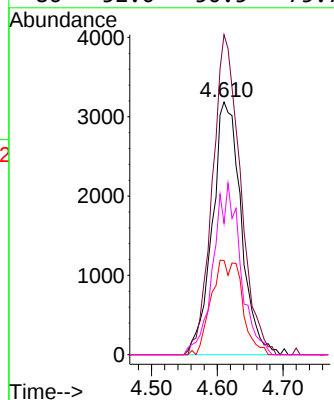
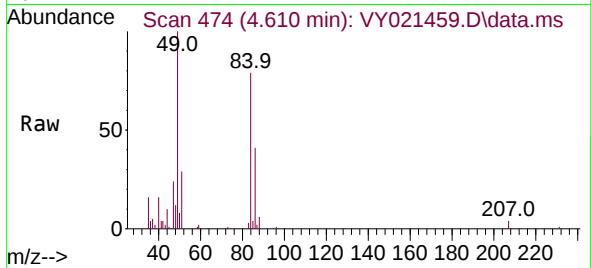




#20
Methylene Chloride
Concen: 2.856 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

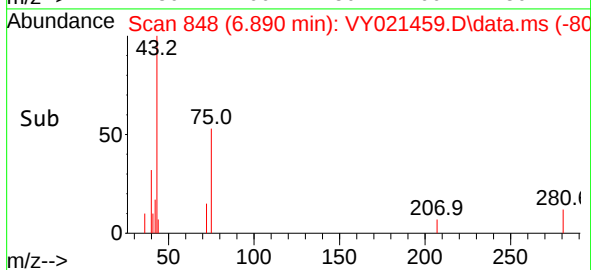
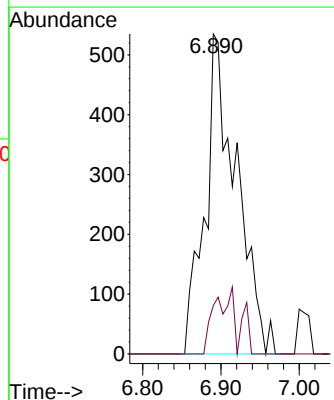
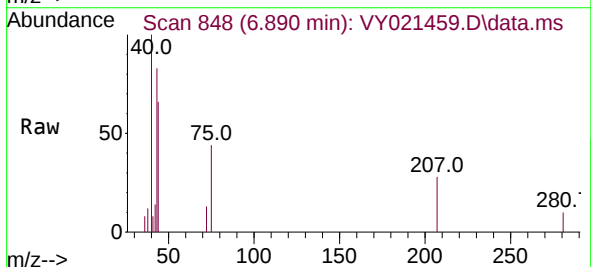
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

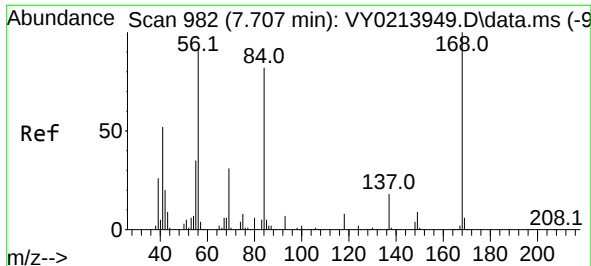
Tgt Ion:	84	Resp:	9707
Ion	Ratio	Lower	Upper
84	100		
49	126.6	102.0	153.0
51	37.3	33.0	49.6
86	52.0	50.5	75.7



#25
2-Butanone
Concen: 1.662 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion:	43	Resp:	1489
Ion	Ratio	Lower	Upper
43	100		
72	15.1	21.4	32.0#

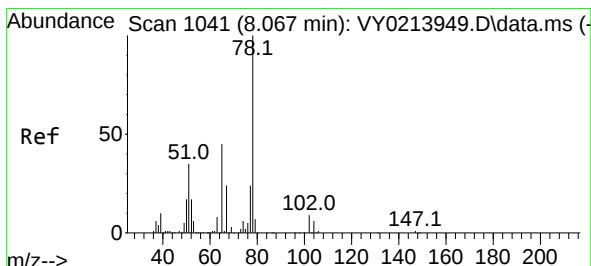
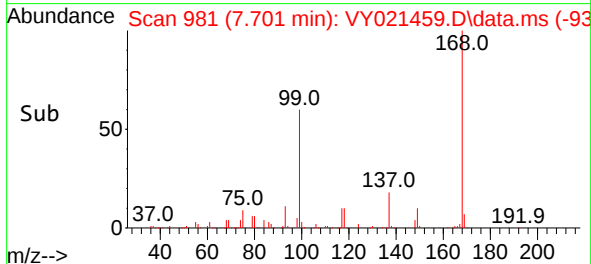
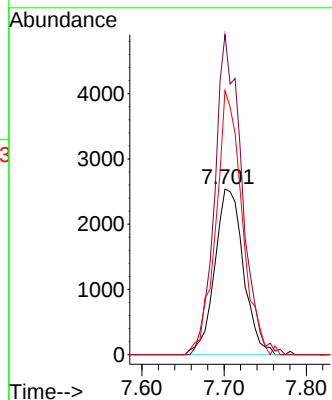
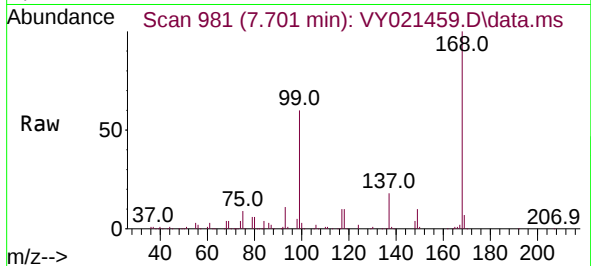




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

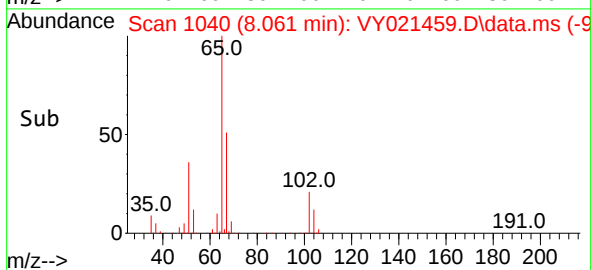
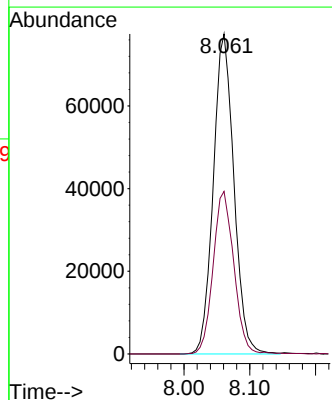
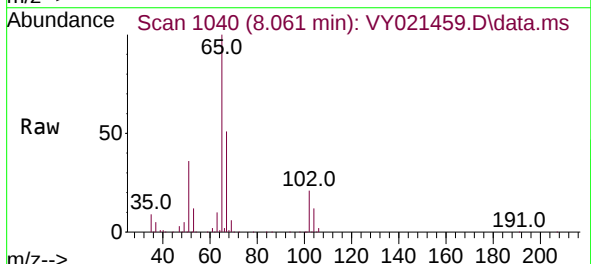
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

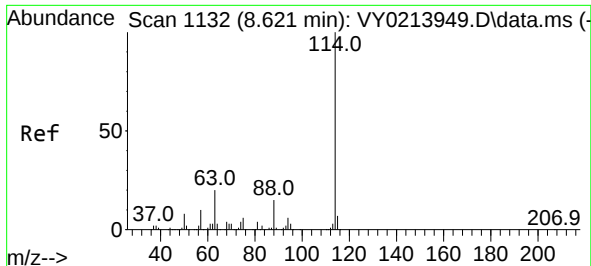
Tgt Ion: 56 Resp: 6147
Ion Ratio Lower Upper
56 100
69 193.3 27.0 40.4#
84 159.4 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 56.892 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 65 Resp: 168912
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.8

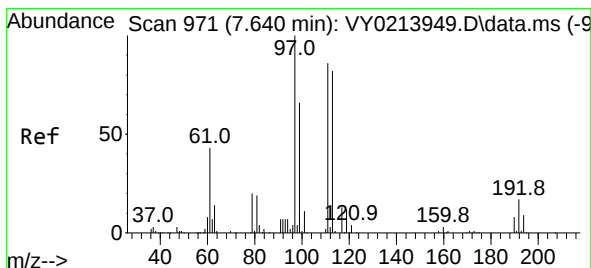
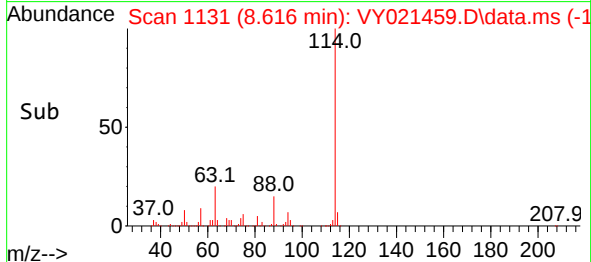
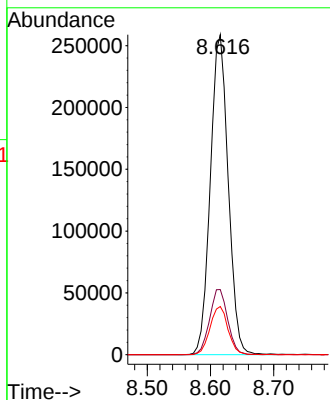
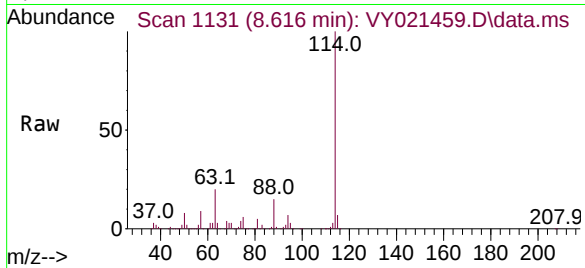




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

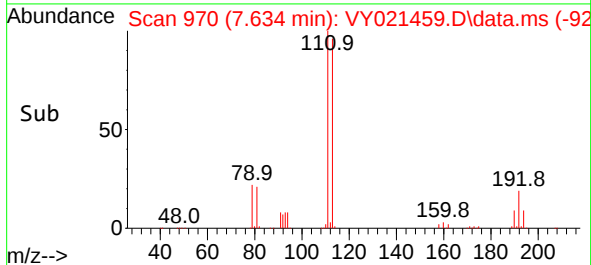
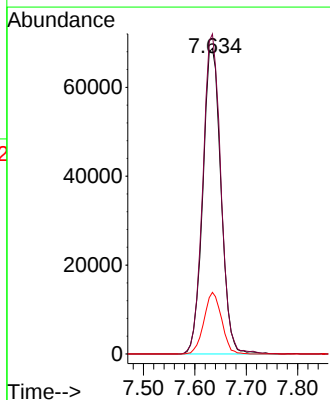
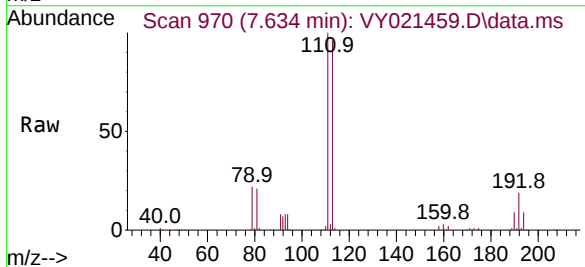
Instrument :
MSVOA_Y
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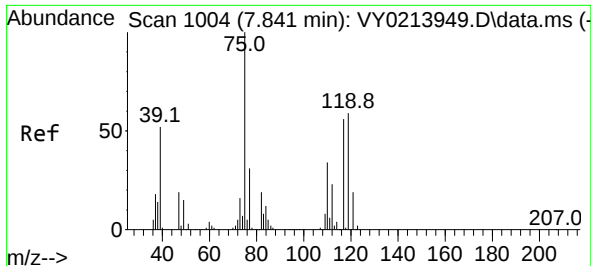
Tgt Ion:114 Resp: 508130
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.1 0.0 30.8



#35
Dibromofluoromethane
Concen: 50.511 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion:113 Resp: 168708
Ion Ratio Lower Upper
113 100
111 103.8 82.0 123.0
192 19.6 15.9 23.9

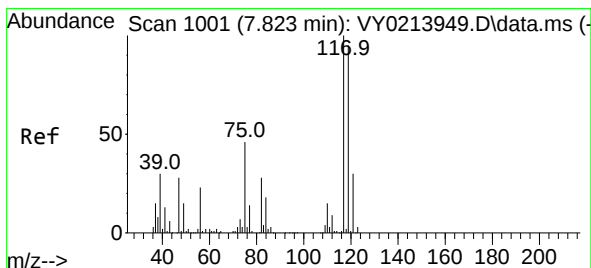
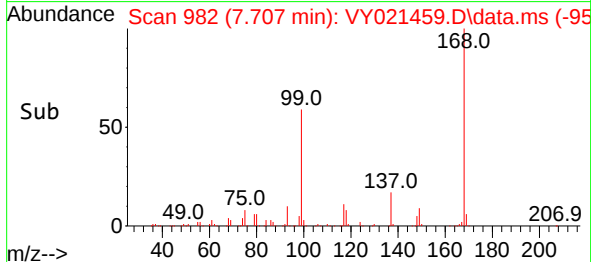
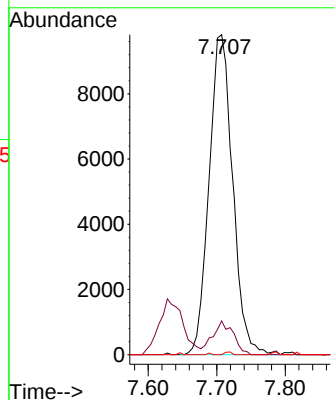
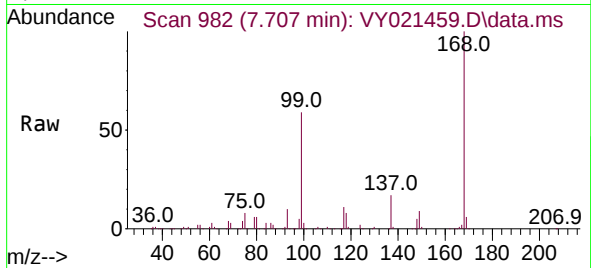




#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

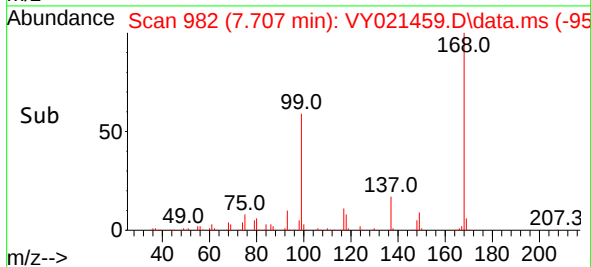
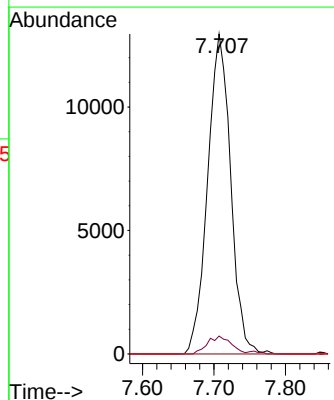
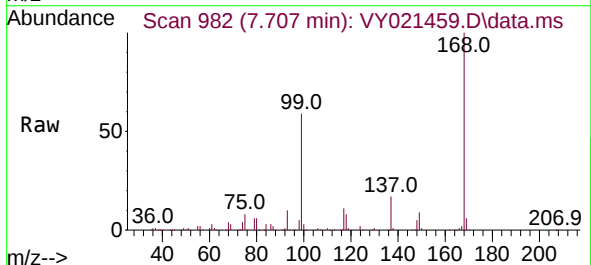
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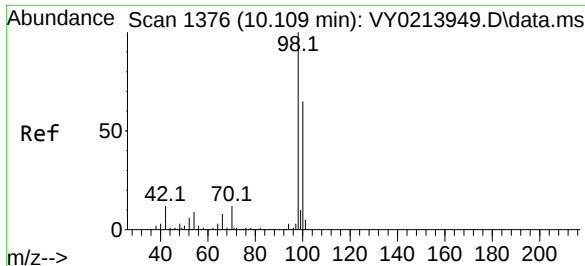
Tgt Ion: 75 Resp: 23482
Ion Ratio Lower Upper
75 100
110 9.3 17.3 51.7#
77 0.3 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.824 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 117 Resp: 29005
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 47.874 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

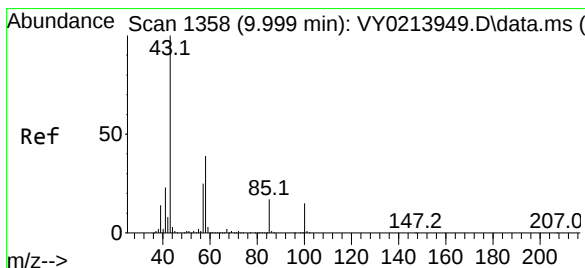
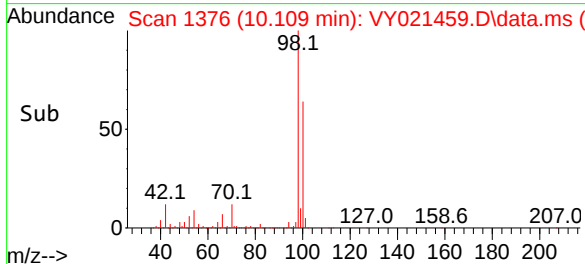
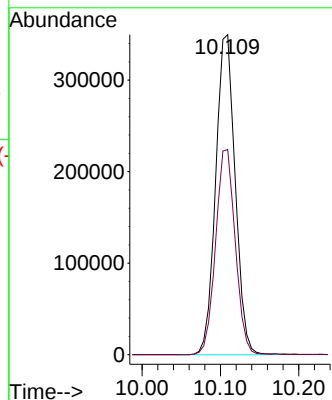
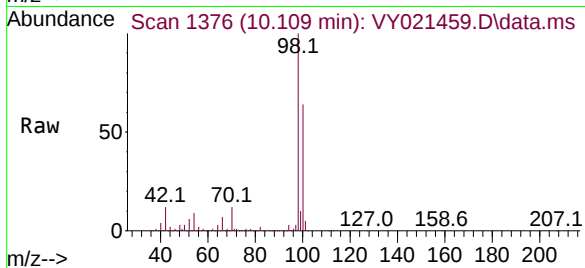
ENV-102-SB02

Tgt Ion: 98 Resp: 605434

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.317 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.104 min

Lab File: VY021459.D

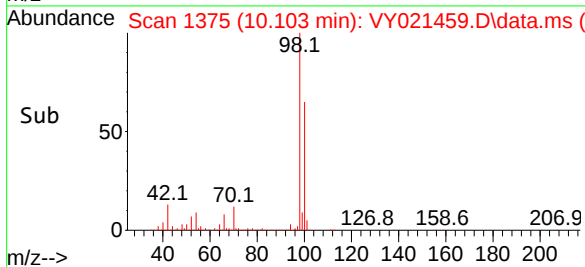
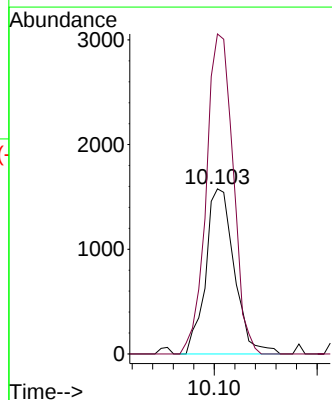
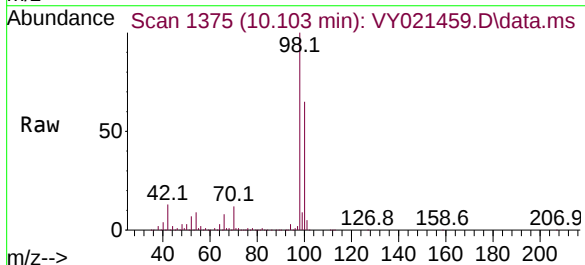
Acq: 07 Mar 2025 14:28

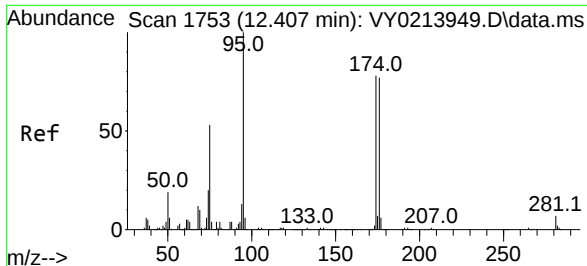
Tgt Ion: 43 Resp: 3048

Ion Ratio Lower Upper

43 100

58 182.1 31.4 47.2#





#62

4-Bromofluorobenzene

Concen: 42.014 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

ENV-102-SB02

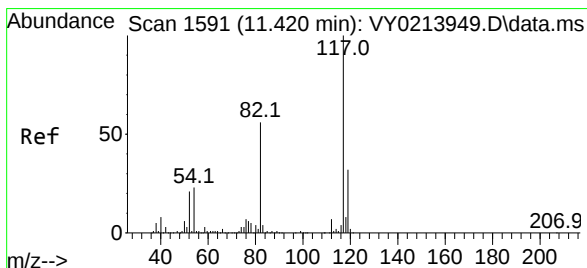
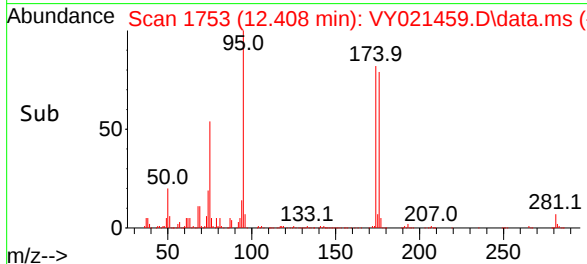
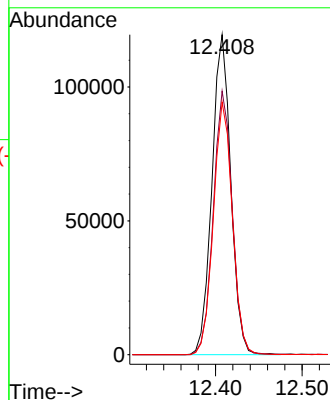
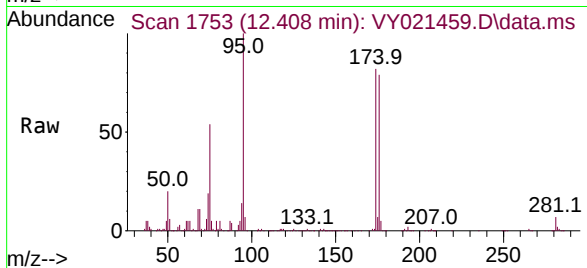
Tgt Ion: 95 Resp: 180735

Ion Ratio Lower Upper

95 100

174 82.8 0.0 165.0

176 79.6 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: VY021459.D

Acq: 07 Mar 2025 14:28

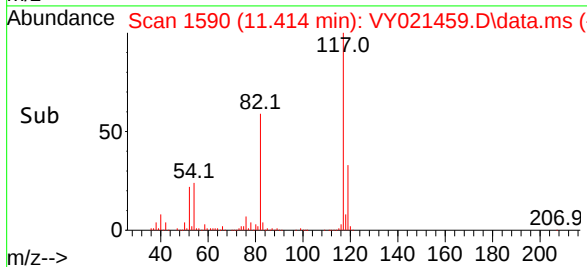
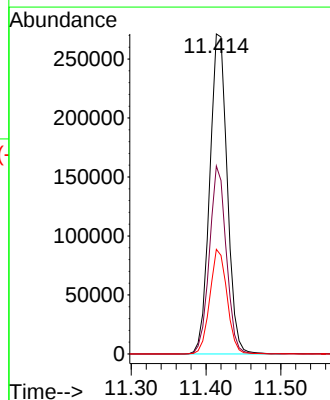
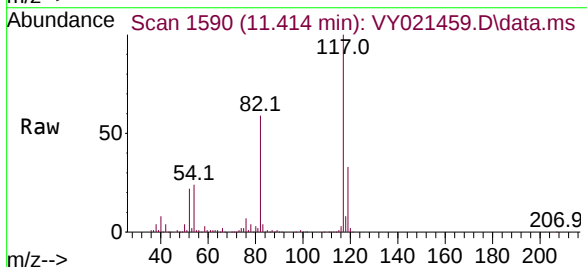
Tgt Ion: 117 Resp: 440256

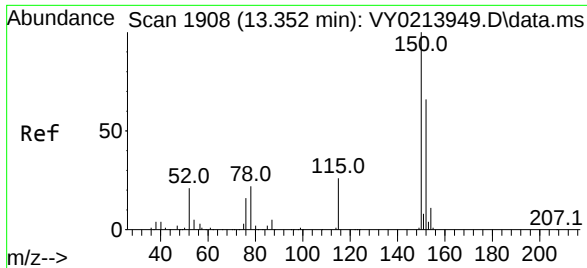
Ion Ratio Lower Upper

117 100

82 58.8 44.6 67.0

119 32.7 25.4 38.0

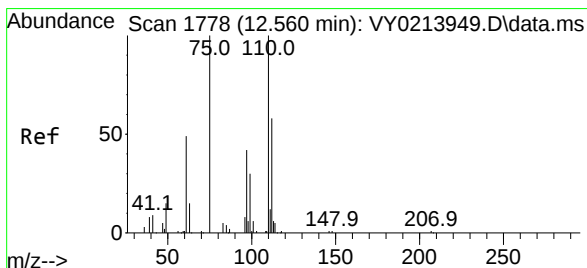
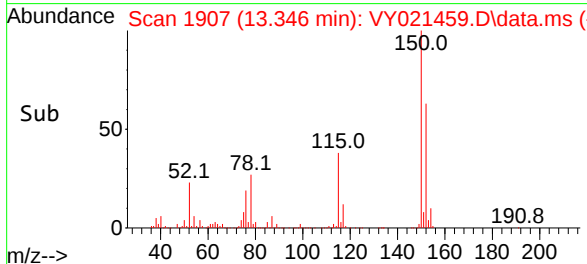
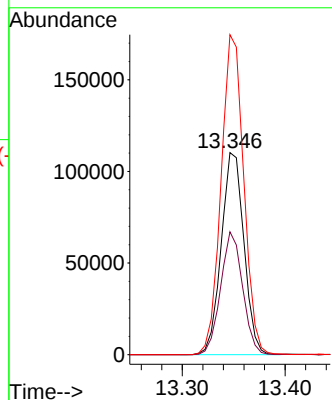
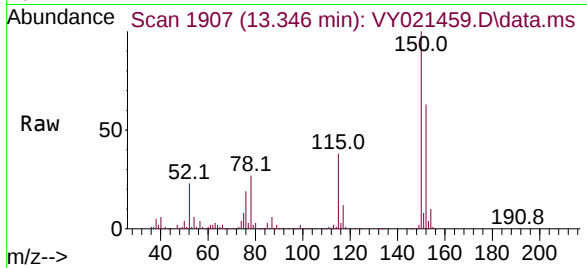




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021459.D
 Acq: 07 Mar 2025 14:28

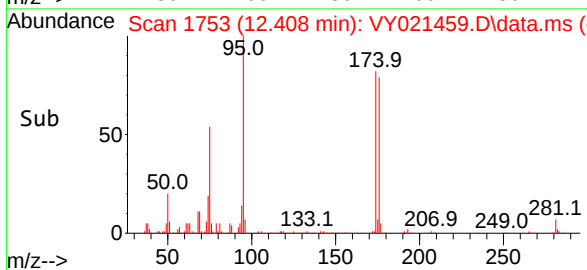
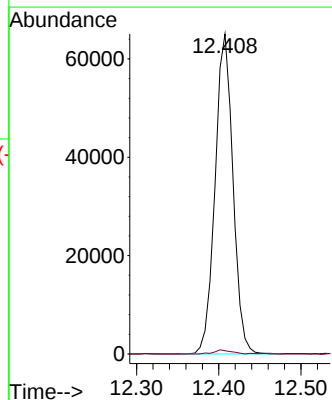
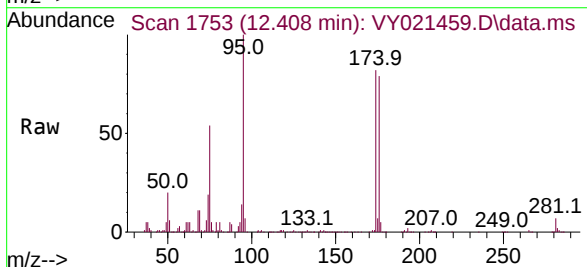
Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB02

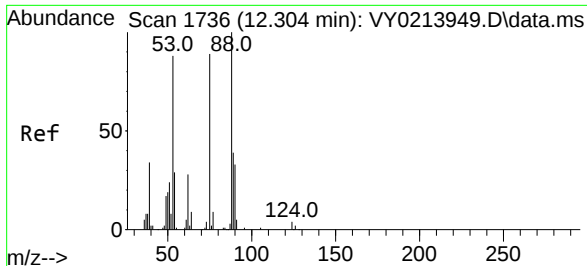
Tgt Ion:152 Resp: 168898
 Ion Ratio Lower Upper
 152 100
 115 58.9 29.0 87.0
 150 157.9 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 57.872 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021459.D
 Acq: 07 Mar 2025 14:28

Tgt Ion: 75 Resp: 98496
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

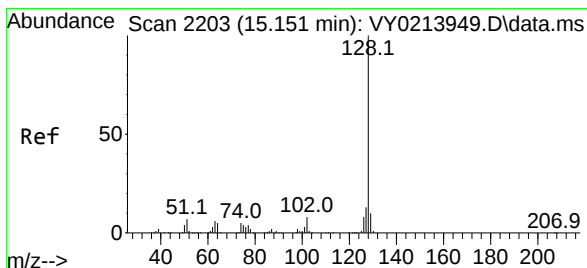
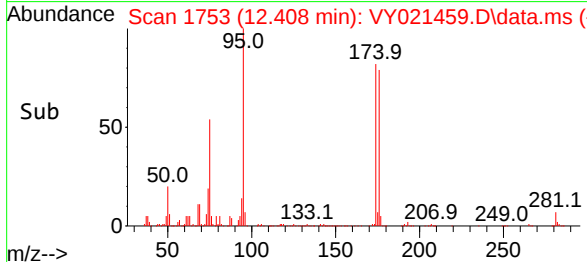
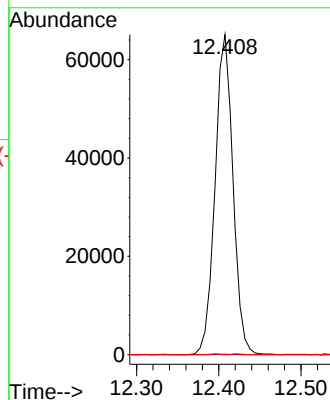
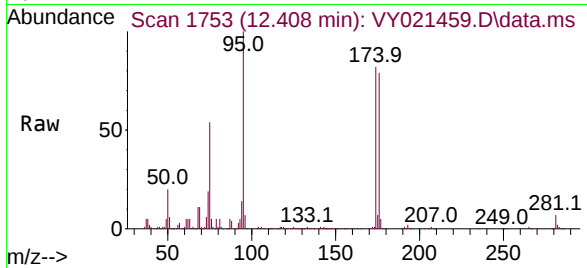




#81
trans-1,4-Dichloro-2-butene
Concen: 131.561 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Tgt Ion: 75 Resp: 98496
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.539 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 128 Resp: 416
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

