

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022085.D
 Acq On : 30 Apr 2025 16:18
 Operator : SY/MD
 Sample : Q1907-01
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CO-8R-WC

Quant Time: May 01 01:37:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

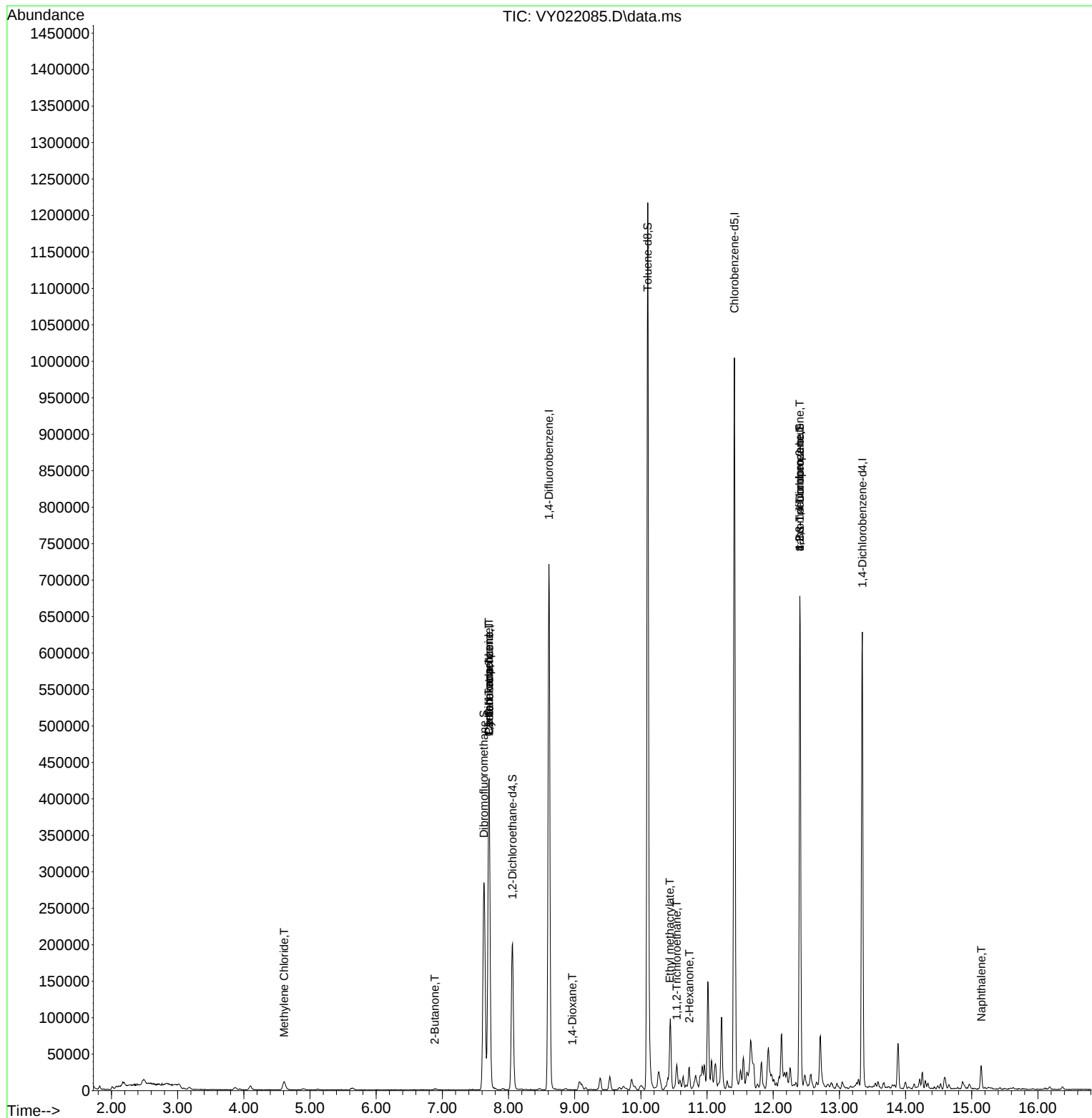
Internal Standards						
1) Pentafluorobenzene	7.707	168	342212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	633894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	560130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159503	50.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.920%	
35) Dibromofluoromethane	7.628	113	210612	50.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.580%	
50) Toluene-d8	10.103	98	777824	49.266	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.540%	
62) 4-Bromofluorobenzene	12.401	95	202571	38.114	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.220%	
Target Compounds						Qvalue
16) Acetone	3.860	43	5393	Below Cal	89	
20) Methylene Chloride	4.610	84	9086	2.273	ug/l	92
25) 2-Butanone	6.884	43	1659	2.302	ug/l	95
31) Cyclohexane	7.707	56	6752	1.292	ug/l #	15
36) 1,1-Dichloropropene	7.701	75	25504	4.534	ug/l #	48
38) Carbon Tetrachloride	7.701	117	33976	5.054	ug/l #	16
49) 1,4-Dioxane	8.963	88	48	1.850	ug/l #	28
55) 1,1,2-Trichloroethane	10.542	97	12101	3.721	ug/l #	22
56) Ethyl methacrylate	10.438	69	9258	2.490	ug/l #	1
59) 2-Hexanone	10.731	43	8027	5.983	ug/l #	23
76) 1,2,3-Trichloropropane	12.401	75	97362	66.835	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	97362	160.949	ug/l #	16
95) Naphthalene	15.145	128	26883	5.615	ug/l	99

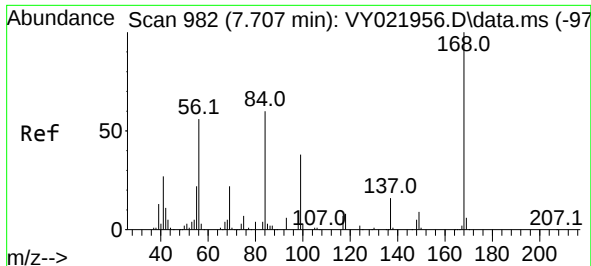
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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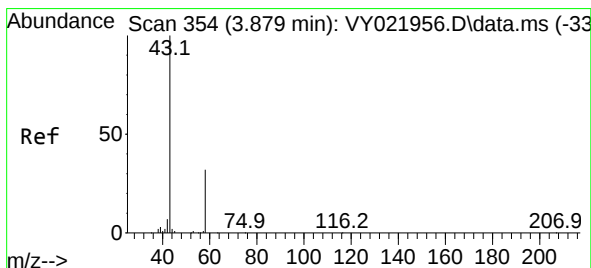
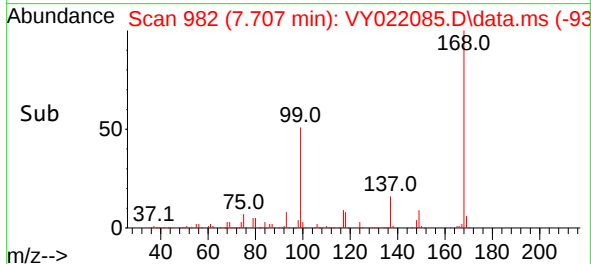
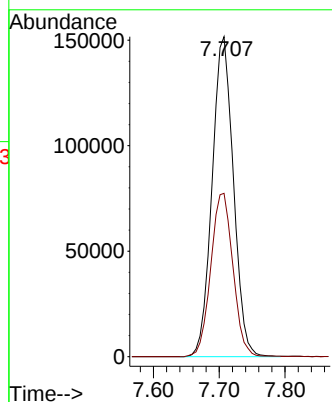
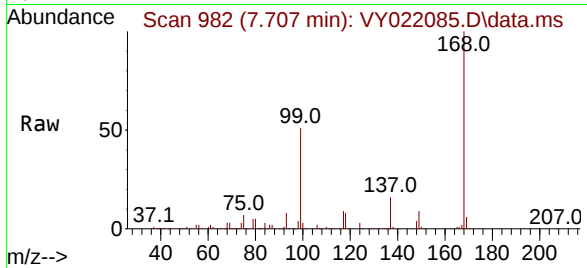




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

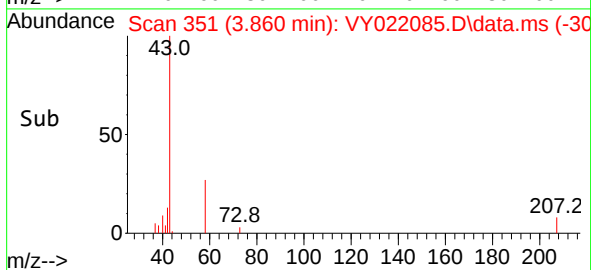
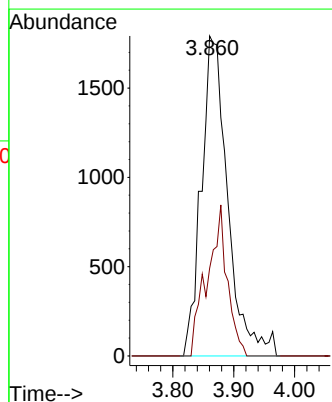
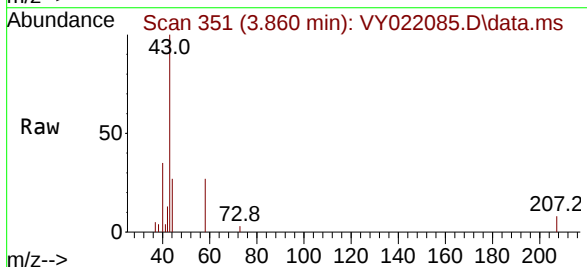
Instrument :
MSVOA_Y
ClientSampleId :
CO-8R-WC

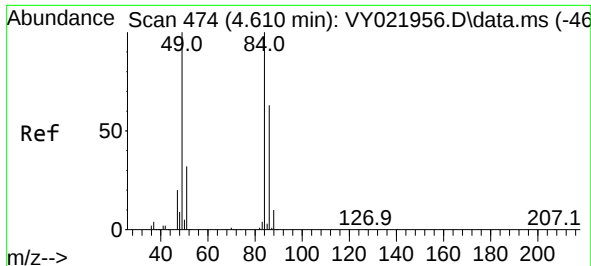
Tgt Ion:168 Resp: 342212
Ion Ratio Lower Upper
168 100
99 51.1 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

Tgt Ion: 43 Resp: 5393
Ion Ratio Lower Upper
43 100
58 27.4 27.0 40.4

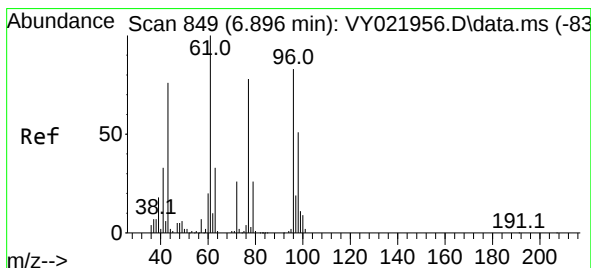
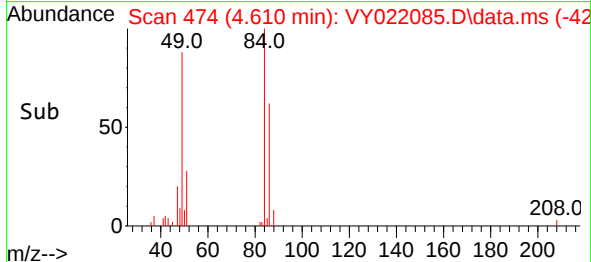
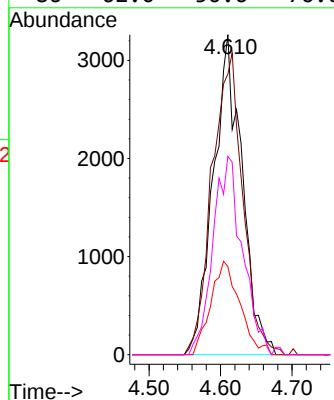
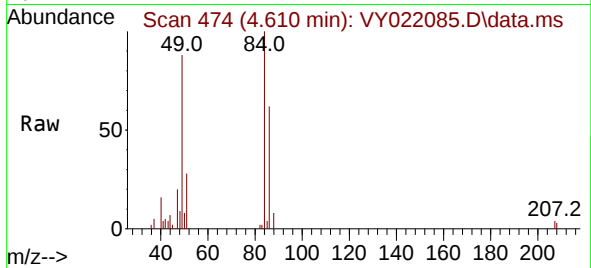




#20
Methylene Chloride
Concen: 2.273 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

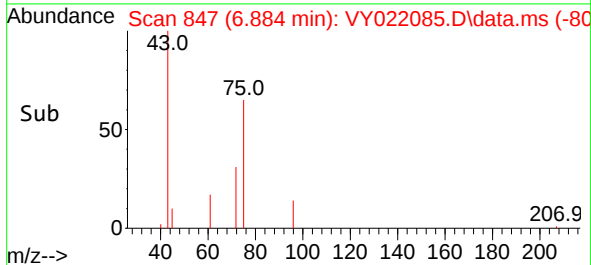
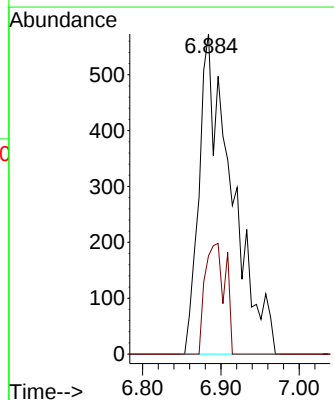
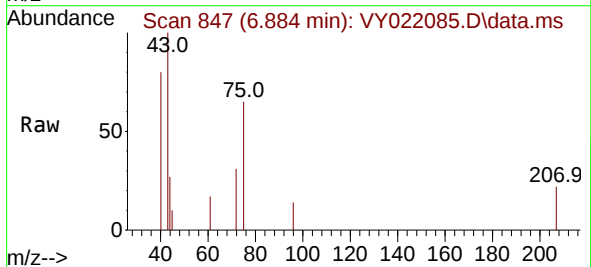
Instrument :
MSVOA_Y
ClientSampleId :
CO-8R-WC

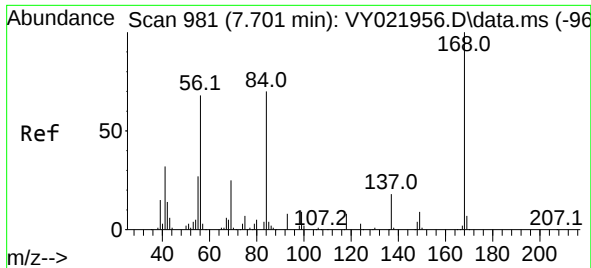
Tgt Ion:	84	Resp:	9086
Ion	Ratio	Lower	Upper
84	100		
49	87.7	79.9	119.9
51	27.6	25.4	38.0
86	62.0	50.6	76.0



#25
2-Butanone
Concen: 2.302 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

Tgt Ion:	43	Resp:	1659
Ion	Ratio	Lower	Upper
43	100		
72	30.7	27.0	40.4

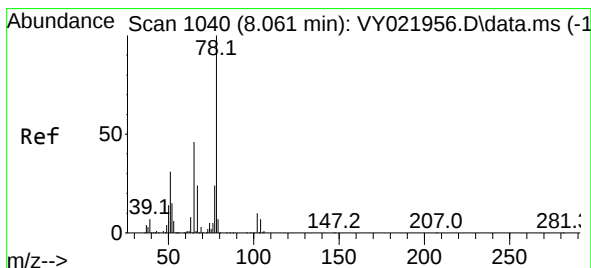
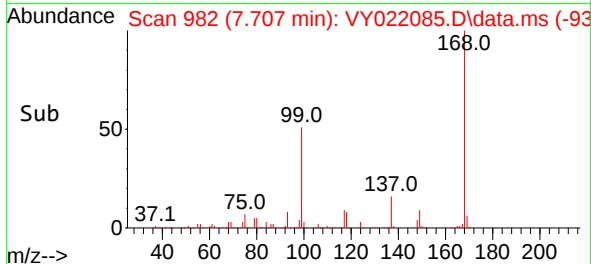
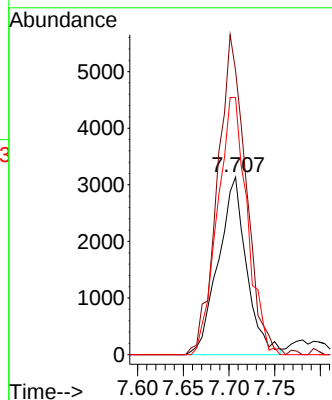
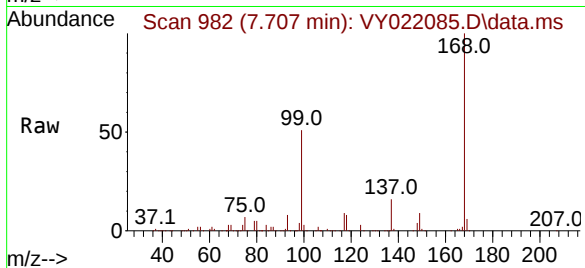




#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

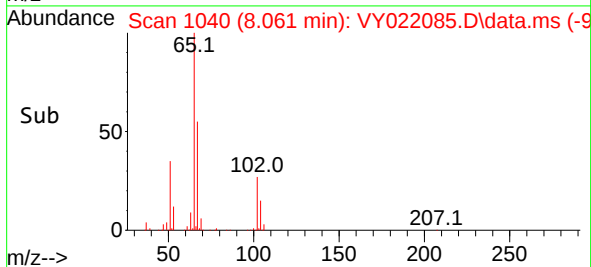
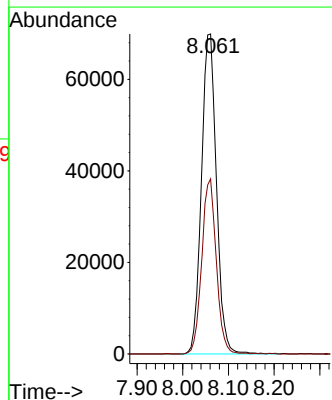
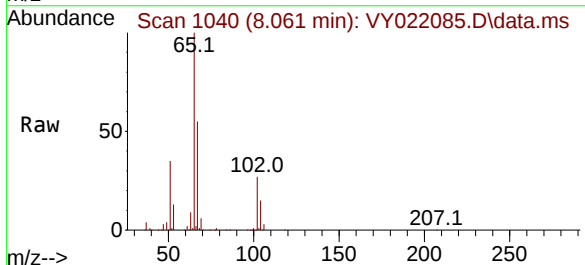
Instrument :
MSVOA_Y
ClientSampleId :
CO-8R-WC

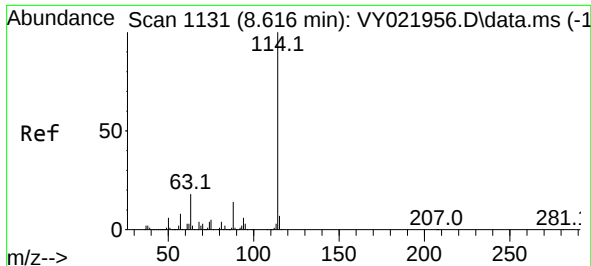
Tgt Ion: 56 Resp: 6752
Ion Ratio Lower Upper
56 100
69 160.0 29.4 44.2#
84 144.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 50.460 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

Tgt Ion: 65 Resp: 159503
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

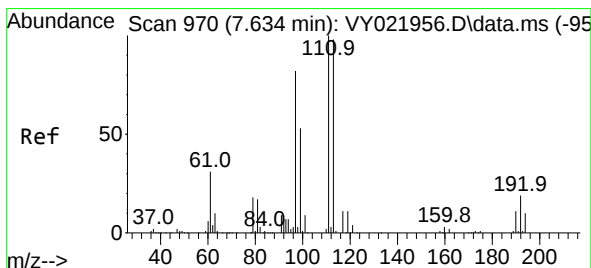
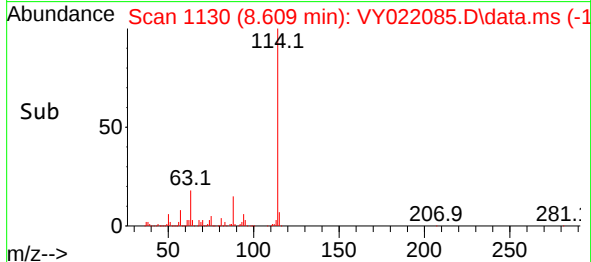
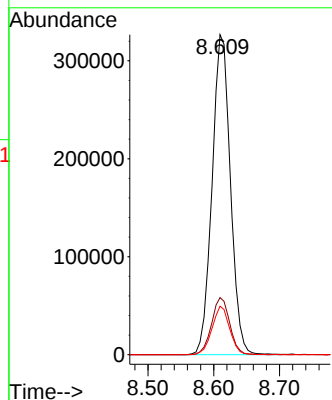
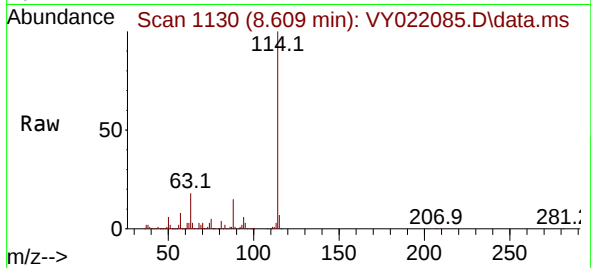




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

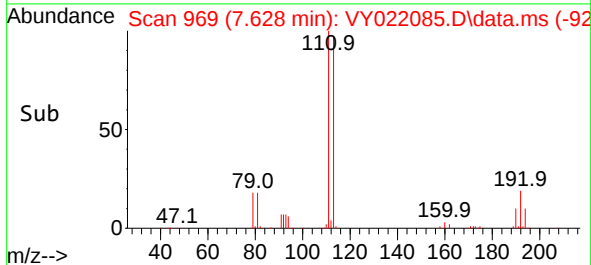
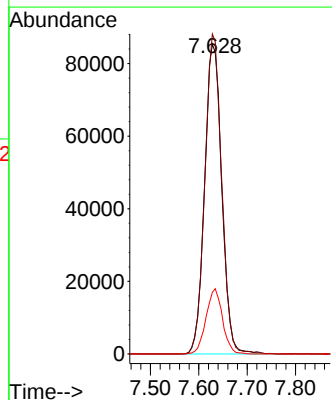
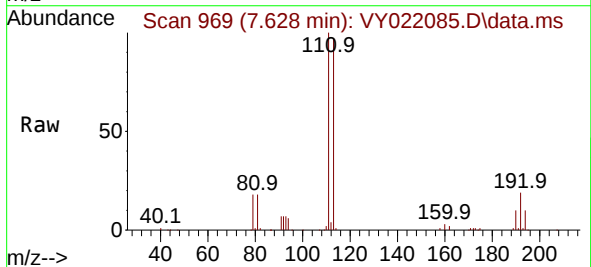
Instrument :
MSVOA_Y
ClientSampleId :
CO-8R-WC

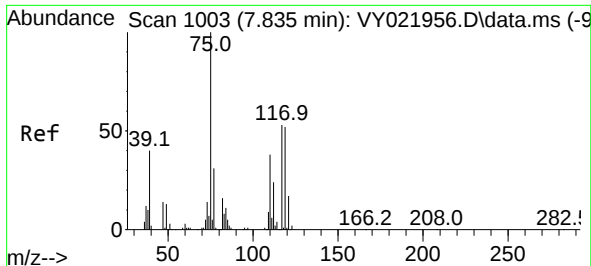
Tgt Ion:114 Resp: 633894
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.4
88 15.2 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.291 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

Tgt Ion:113 Resp: 210612
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 20.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.534 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022085.D

Acq: 30 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

CO-8R-WC

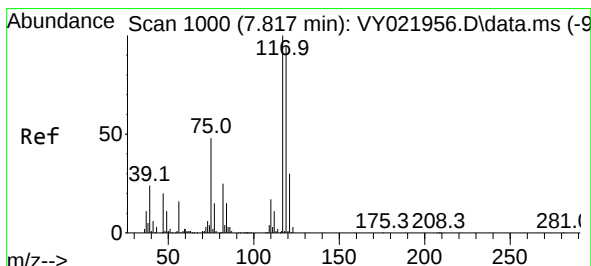
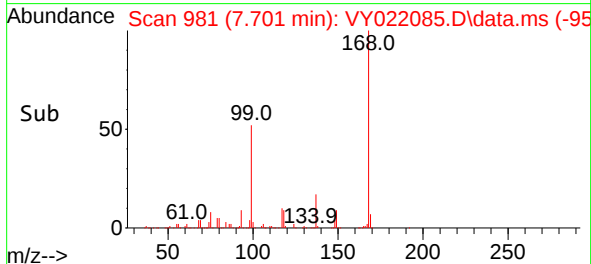
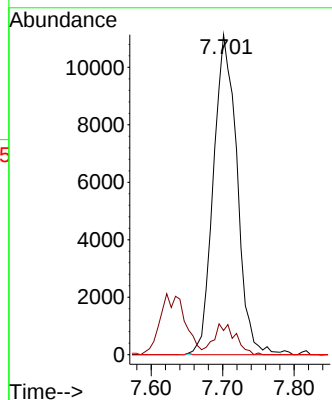
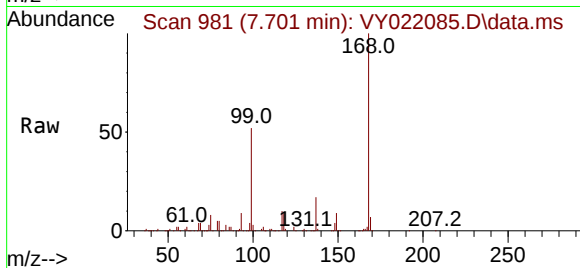
Tgt Ion: 75 Resp: 25504

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.054 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY022085.D

Acq: 30 Apr 2025 16:18

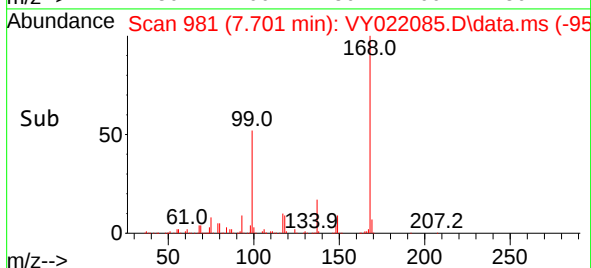
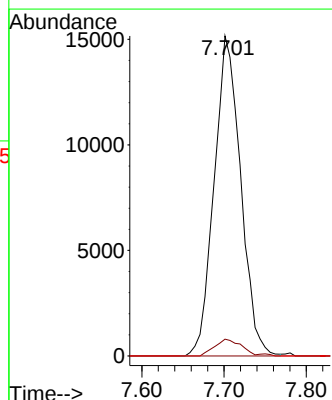
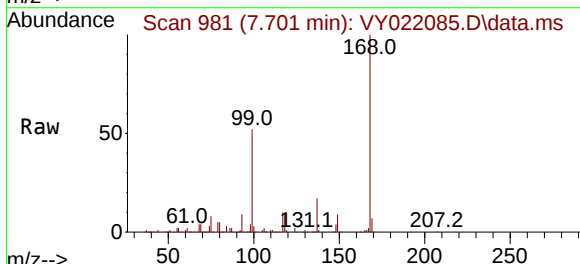
Tgt Ion: 117 Resp: 33976

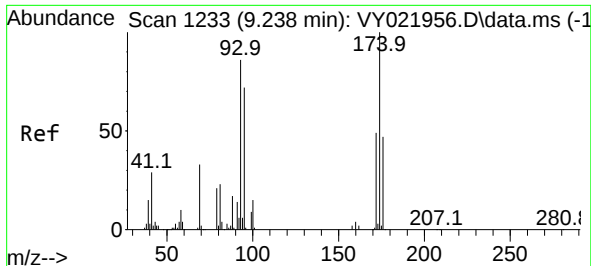
Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.4#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.850 ug/l

RT: 8.963 min Scan# 1188

Delta R.T. -0.274 min

Lab File: VY022085.D

Acq: 30 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

CO-8R-WC

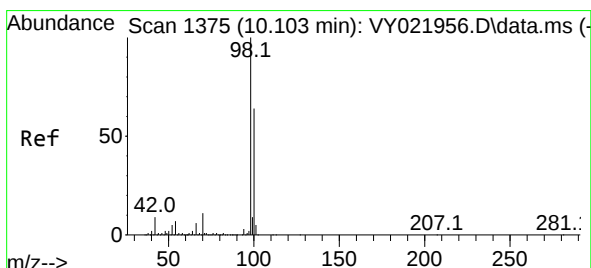
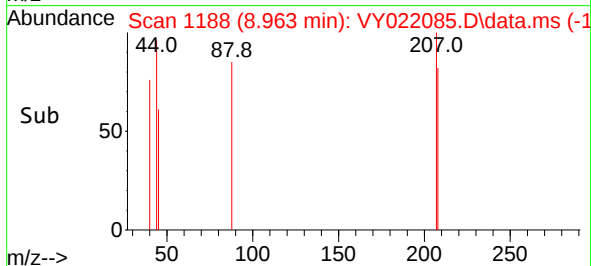
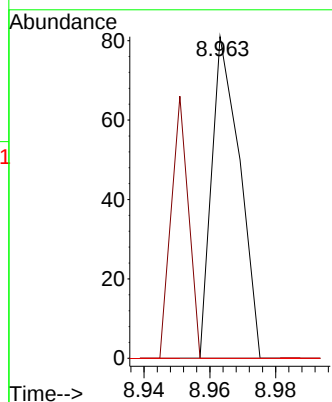
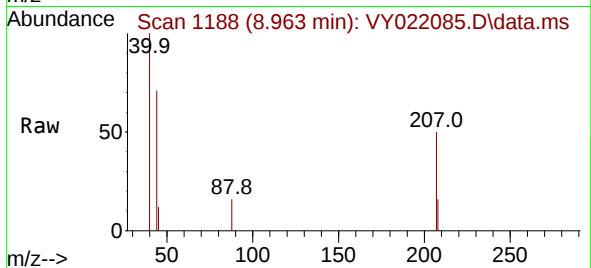
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 0.0 50.5 75.7#



#50

Toluene-d8

Concen: 49.266 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022085.D

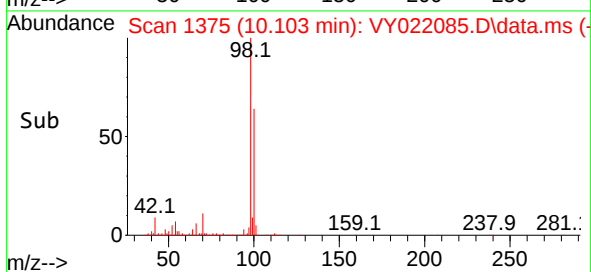
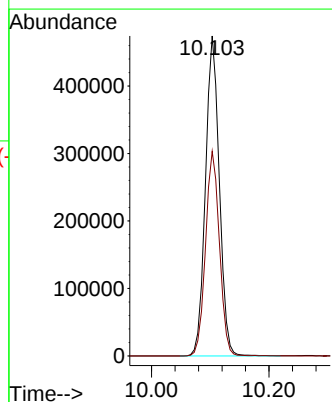
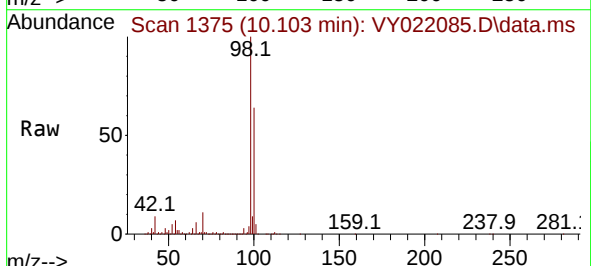
Acq: 30 Apr 2025 16:18

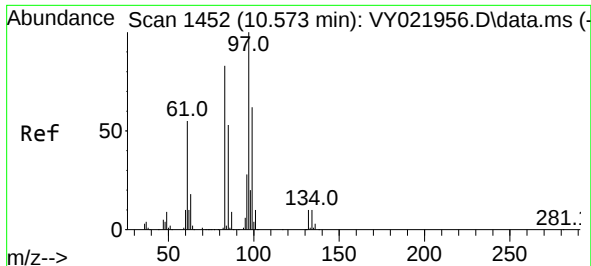
Tgt Ion: 98 Resp: 777824

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4

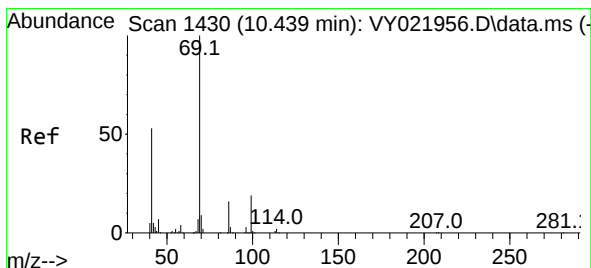
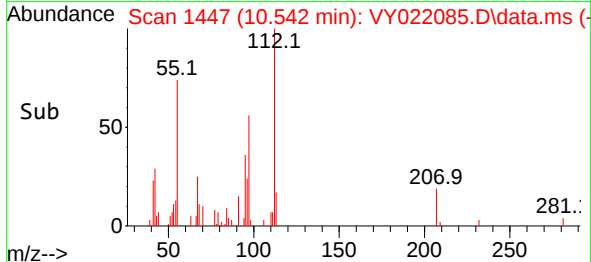
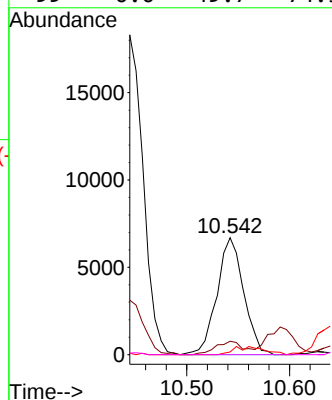
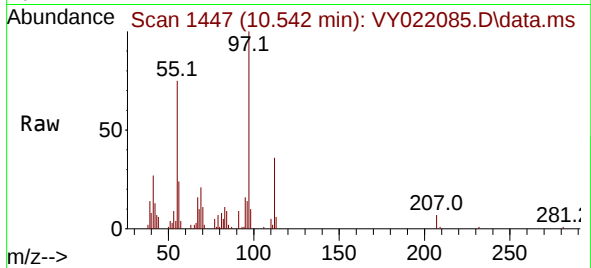




#55
1,1,2-Trichloroethane
Concen: 3.721 ug/l
RT: 10.542 min Scan# 1447
Delta R.T. -0.031 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

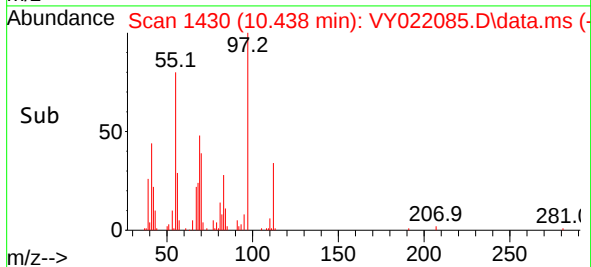
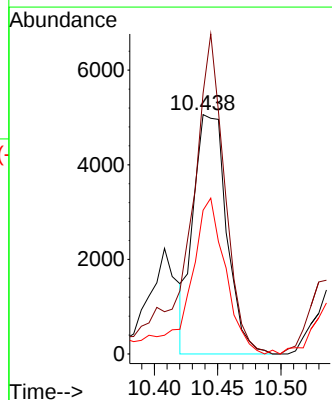
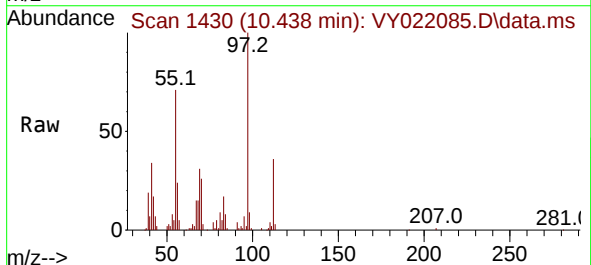
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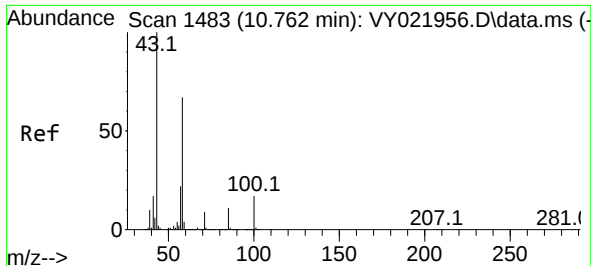
Tgt Ion: 97 Resp: 12101
Ion Ratio Lower Upper
97 100
83 11.5 66.7 100.1#
85 2.4 42.6 64.0#
99 0.0 49.7 74.5#



#56
Ethyl methacrylate
Concen: 2.490 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

Tgt Ion: 69 Resp: 9258
Ion Ratio Lower Upper
69 100
41 143.1 40.7 61.1#
39 74.5 23.3 34.9#

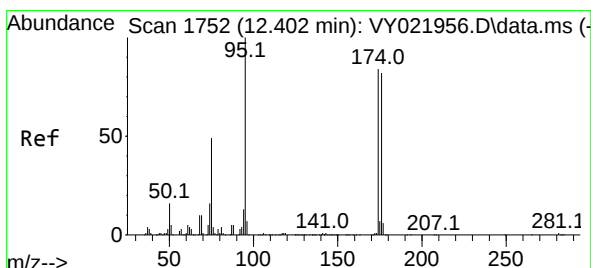
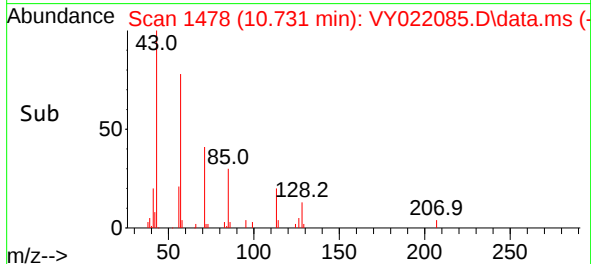
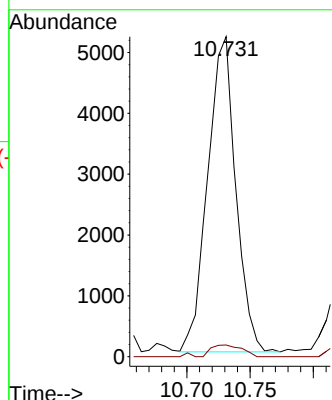
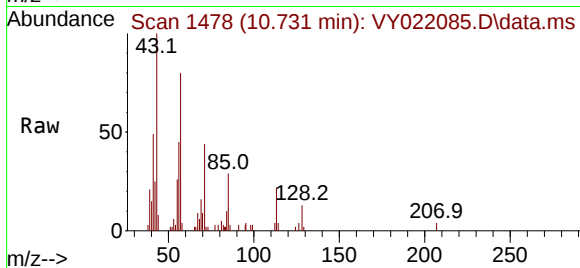




#59
2-Hexanone
Concen: 5.983 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.031 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

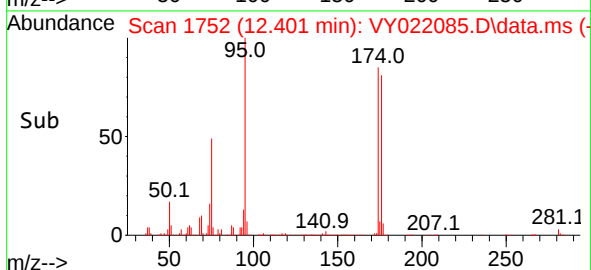
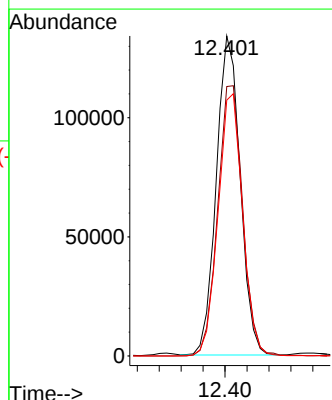
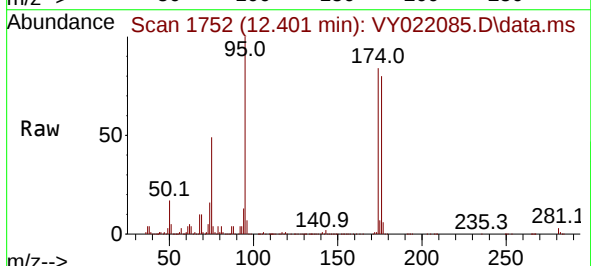
Instrument :
MSVOA_Y
ClientSampleId :
CO-8R-WC

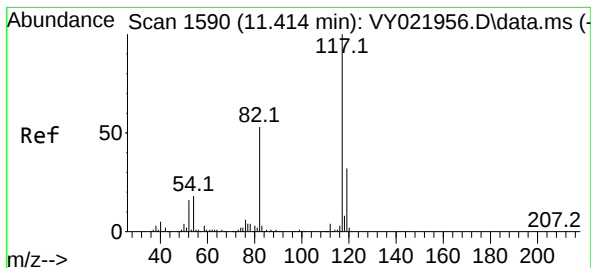
Tgt Ion: 43 Resp: 8027
Ion Ratio Lower Upper
43 100
58 4.0 32.0 96.0#



#62
4-Bromofluorobenzene
Concen: 38.114 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022085.D
Acq: 30 Apr 2025 16:18

Tgt Ion: 95 Resp: 202571
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 84.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022085.D

Acq: 30 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

CO-8R-WC

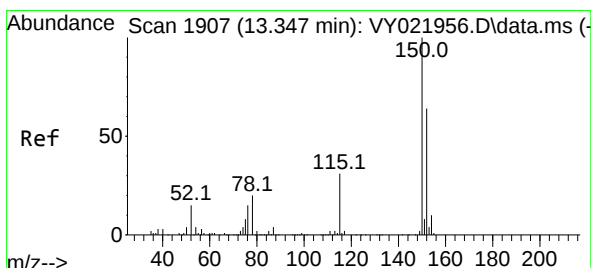
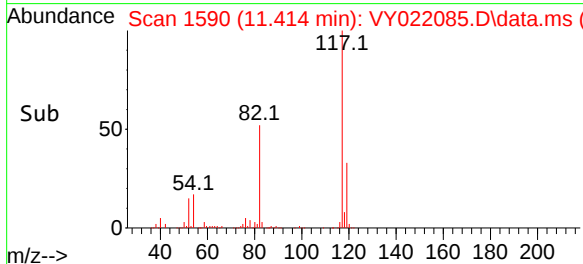
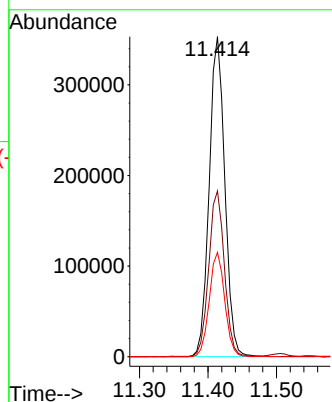
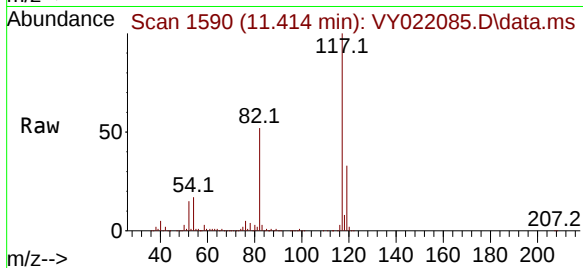
Tgt Ion:117 Resp: 560130

Ion Ratio Lower Upper

117 100

82 51.7 42.1 63.1

119 32.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022085.D

Acq: 30 Apr 2025 16:18

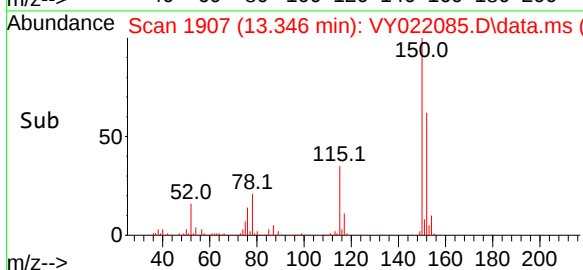
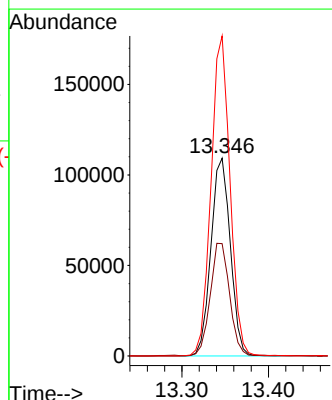
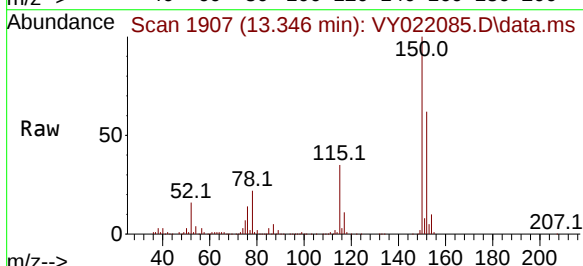
Tgt Ion:152 Resp: 170072

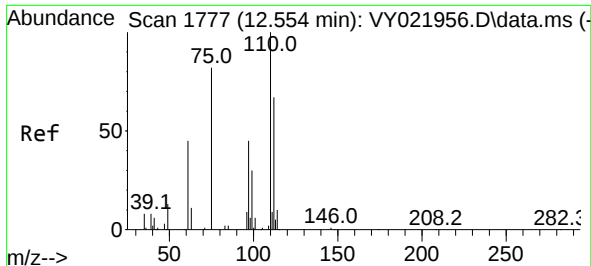
Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 158.2 0.0 345.6

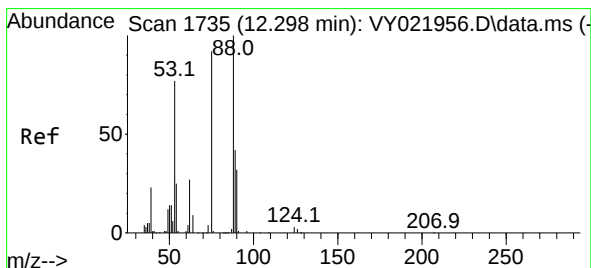
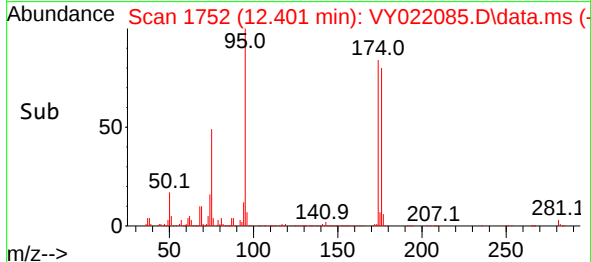
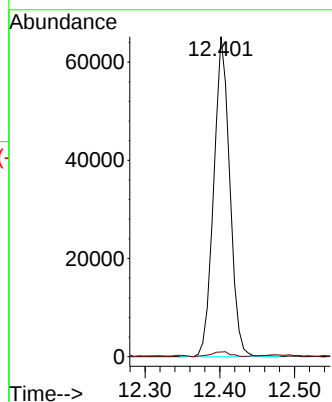
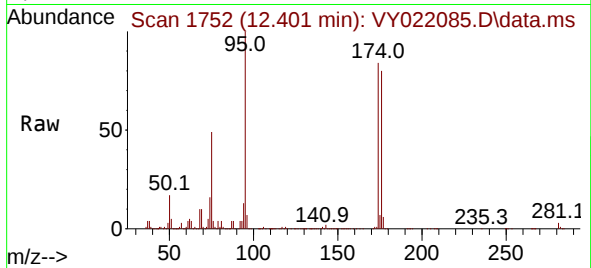




#76
 1,2,3-Trichloropropane
 Concen: 66.835 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022085.D
 Acq: 30 Apr 2025 16:18

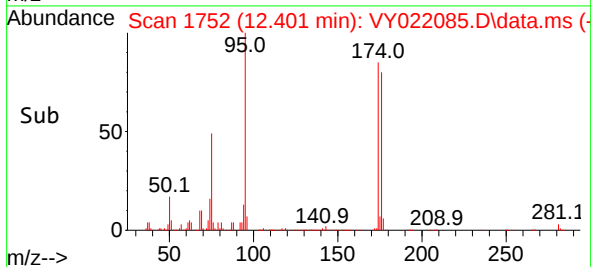
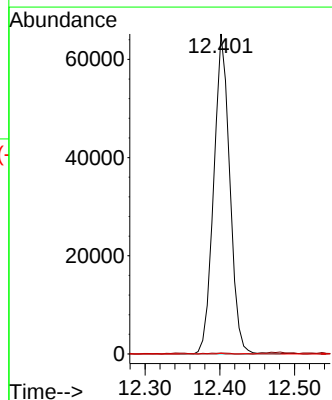
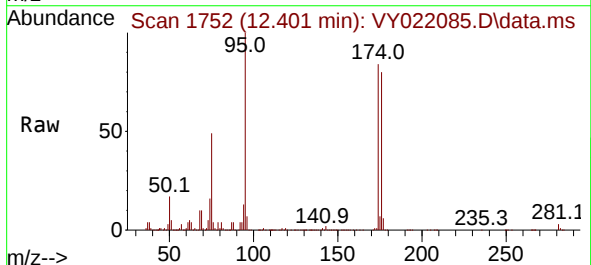
Instrument :
 MSVOA_Y
 ClientSampleId :
 CO-8R-WC

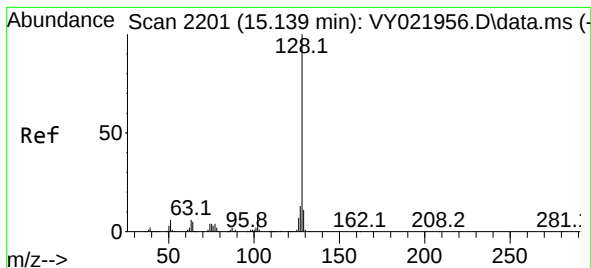
Tgt Ion: 75 Resp: 97362
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.949 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY022085.D
 Acq: 30 Apr 2025 16:18

Tgt Ion: 75 Resp: 97362
 Ion Ratio Lower Upper
 75 100
 53 0.4 66.0 99.0#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 5.615 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY022085.D

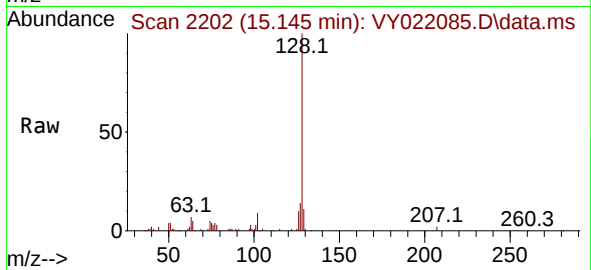
Acq: 30 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

CO-8R-WC



Tgt Ion:128 Resp: 26883

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 10.7 8.9 13.3

