

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022904.D
 Acq On : 02 Jul 2025 11:42
 Operator : SY/MD
 Sample : VY0702SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBL01

Quant Time: Jul 03 02:18:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

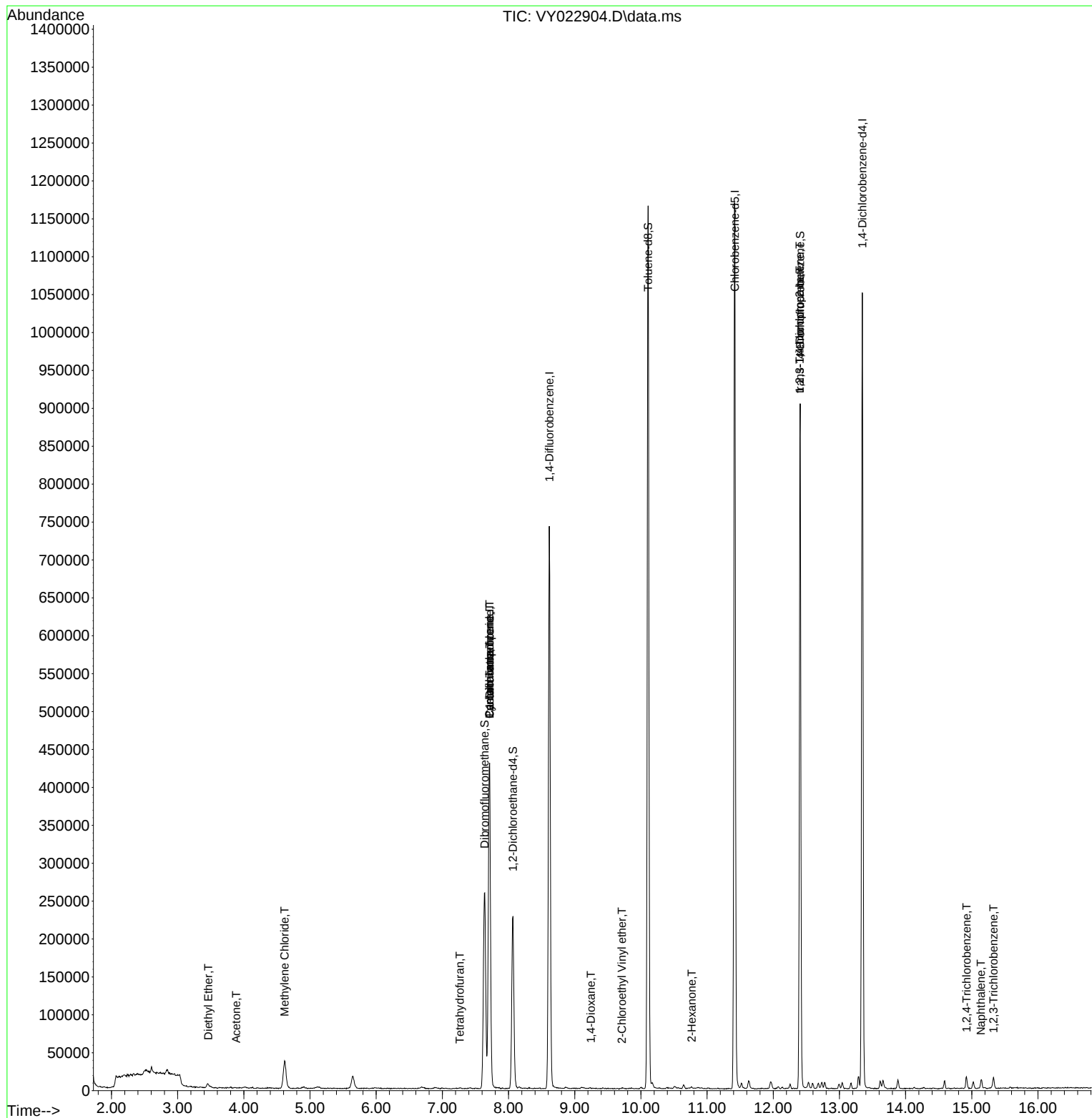
Internal Standards						
1) Pentafluorobenzene	7.713	168	327303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	608180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	599654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	251367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	179996	49.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.540%
35) Dibromofluoromethane	7.640	113	188102	50.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.109	98	752943	51.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.408	95	260821	55.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.560%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.464	74	3216	1.761	ug/l	84
16) Acetone	3.885	43	896	1.298	ug/l	100
20) Methylene Chloride	4.616	84	25895	5.939	ug/l	97
29) Tetrahydrofuran	7.262	42	682	1.075	ug/l #	41
31) Cyclohexane	7.713	56	8456	1.348	ug/l #	24
36) 1,1-Dichloropropene	7.713	75	28434	5.072	ug/l #	50
38) Carbon Tetrachloride	7.713	117	32953	5.571	ug/l #	16
49) 1,4-Dioxane	9.243	88	70	2.587	ug/l #	11
58) 2-Chloroethyl Vinyl ether	9.713	63	321	15.799	ug/l #	74
59) 2-Hexanone	10.768	43	1903	1.095	ug/l	88
76) 1,2,3-Trichloropropane	12.401	75	147737	57.569	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	147737	145.443	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.919	180	4442	1.055	ug/l	91
95) Naphthalene	15.139	128	9021	1.185	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	3966	1.090	ug/l	95

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

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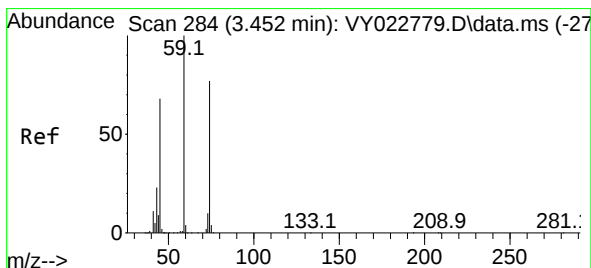
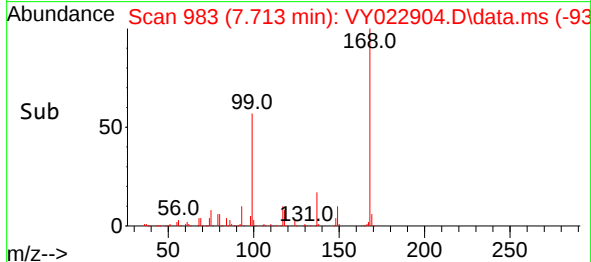
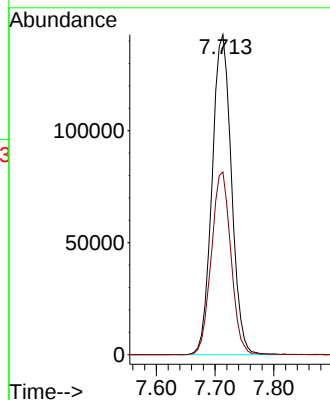
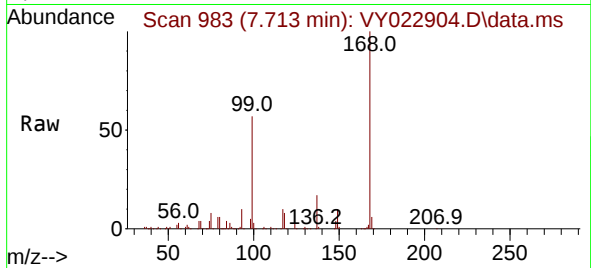




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

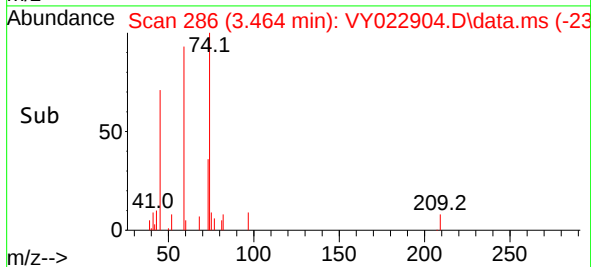
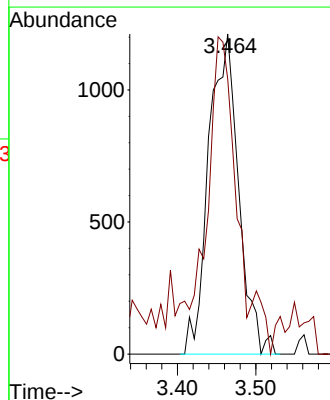
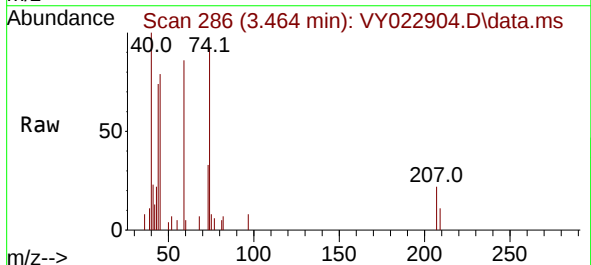
Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

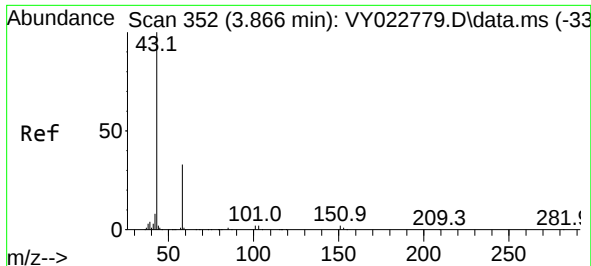
Tgt Ion:168 Resp: 327303
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#8
Diethyl Ether
Concen: 1.761 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 74 Resp: 3216
Ion Ratio Lower Upper
74 100
45 76.1 45.9 137.6

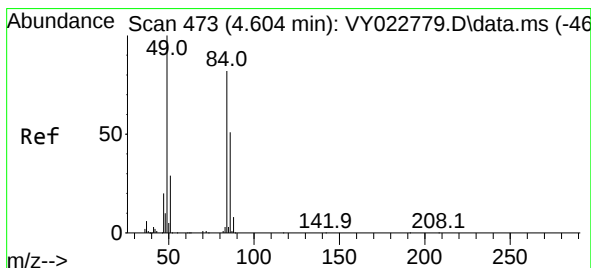
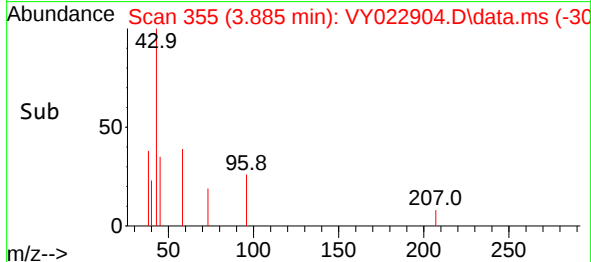
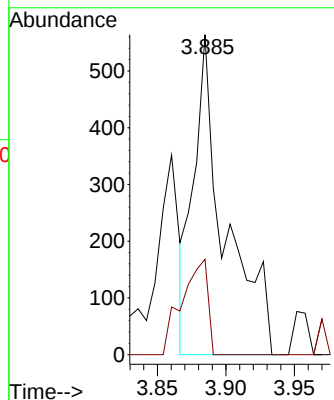
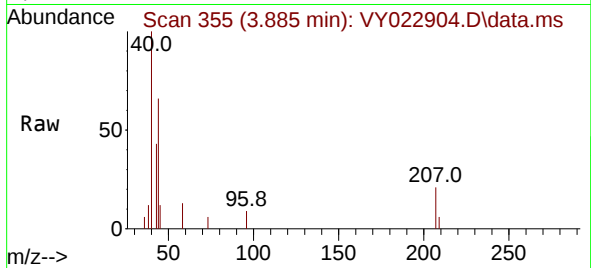




#16
Acetone
Concen: 1.298 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

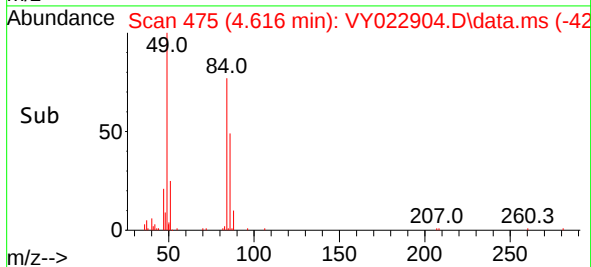
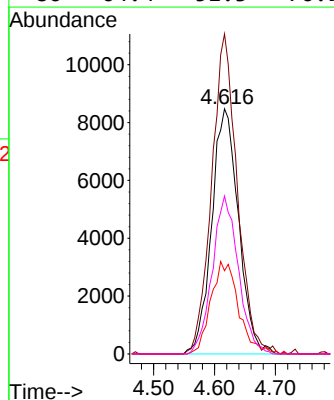
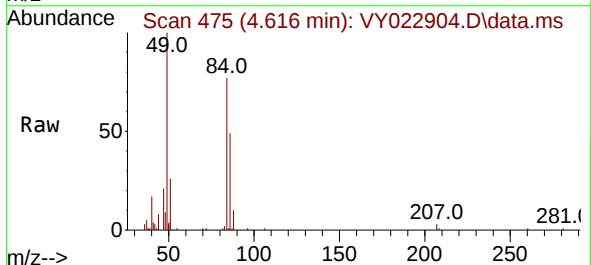
Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

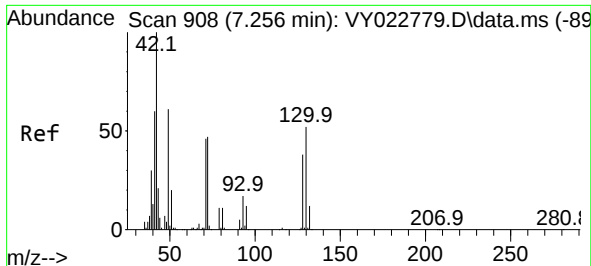
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 29.8 24.0 36.0



#20
Methylene Chloride
Concen: 5.939 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 84 Resp: 25895
Ion Ratio Lower Upper
84 100
49 130.5 101.9 152.9
51 33.9 29.8 44.8
86 64.4 51.3 76.9





#29

Tetrahydrofuran

Concen: 1.075 ug/l

RT: 7.262 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBL01

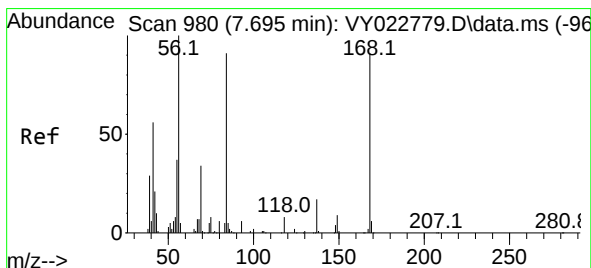
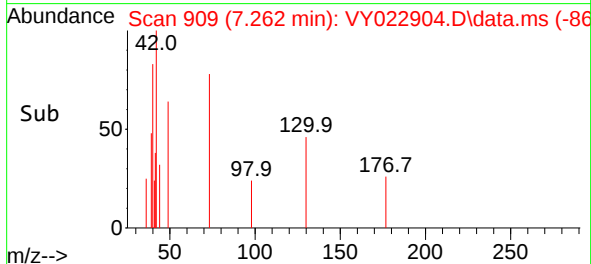
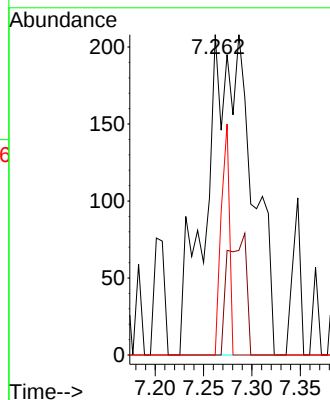
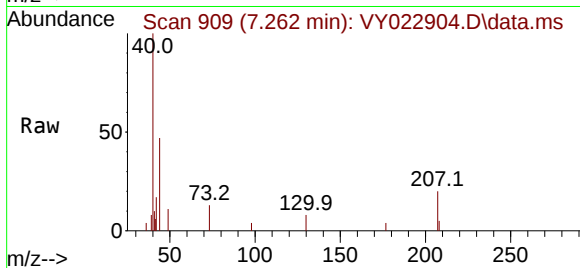
Tgt Ion: 42 Resp: 682

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.2#

71 13.0 34.2 51.2#



#31

Cyclohexane

Concen: 1.348 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

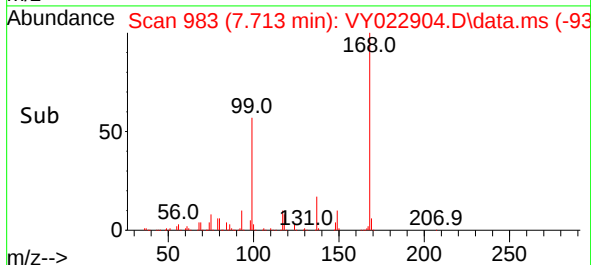
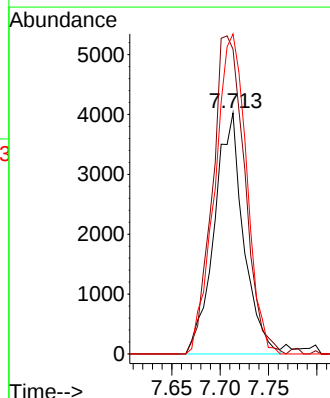
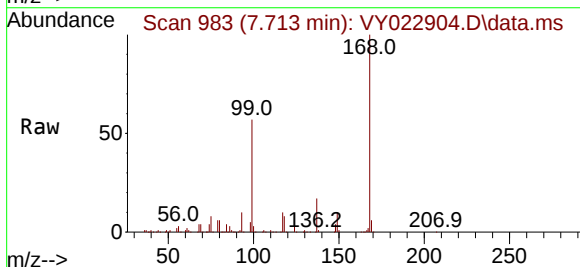
Tgt Ion: 56 Resp: 8456

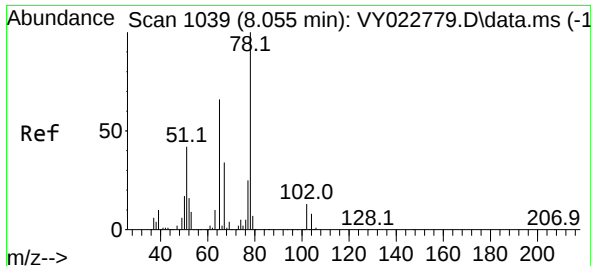
Ion Ratio Lower Upper

56 100

69 126.5 27.0 40.6#

84 132.8 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.273 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

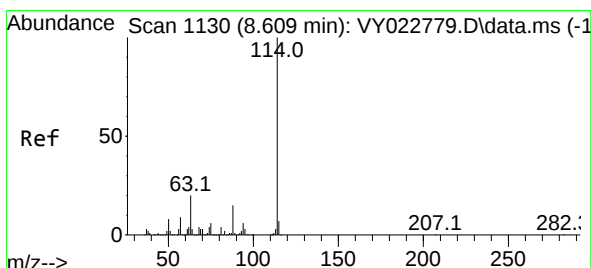
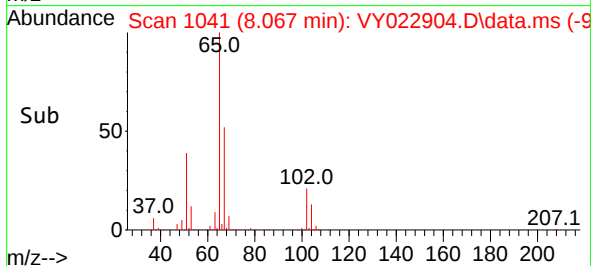
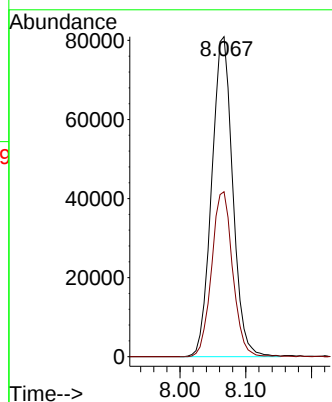
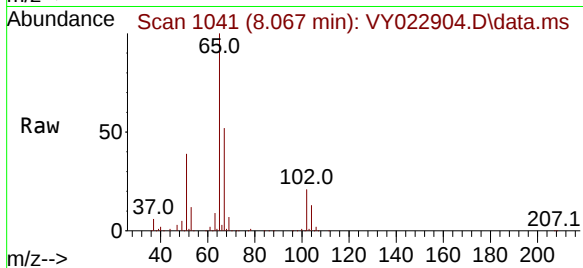
VY0702SBL01

Tgt Ion: 65 Resp: 179996

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

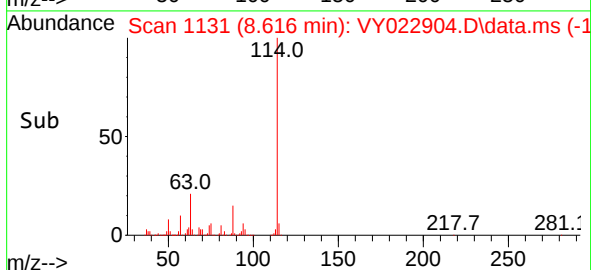
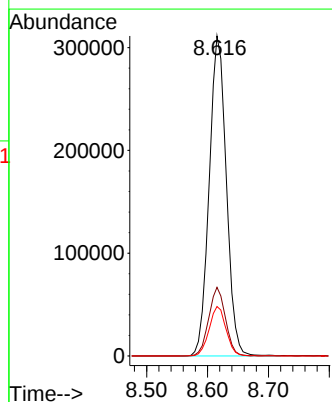
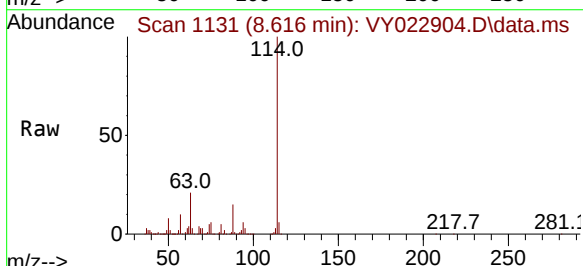
Tgt Ion: 114 Resp: 608180

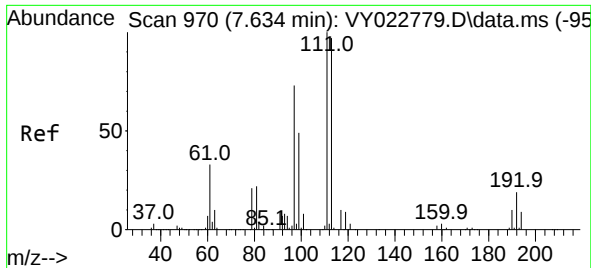
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

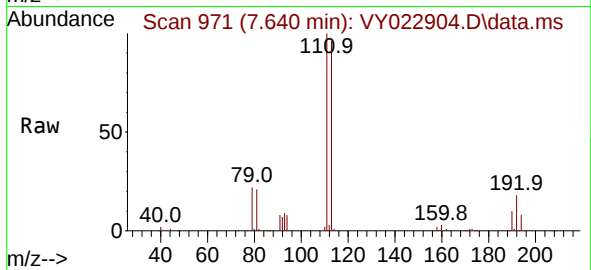
88 15.4 0.0 27.8



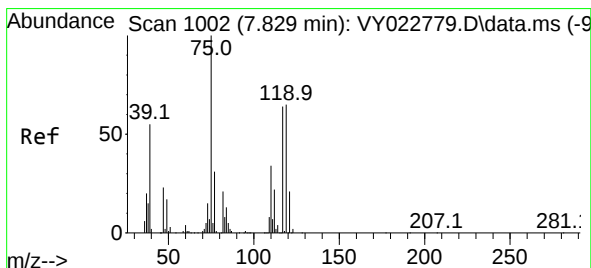
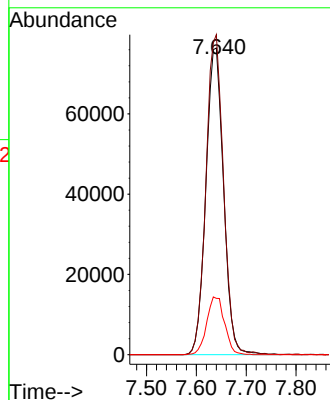
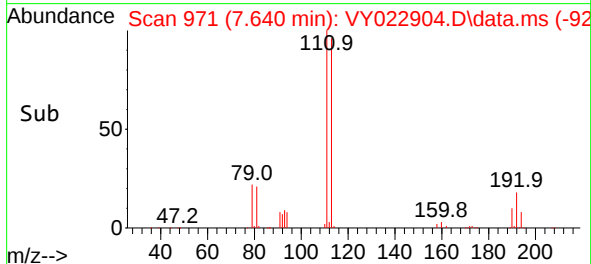


#35
Dibromofluoromethane
Concen: 50.857 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

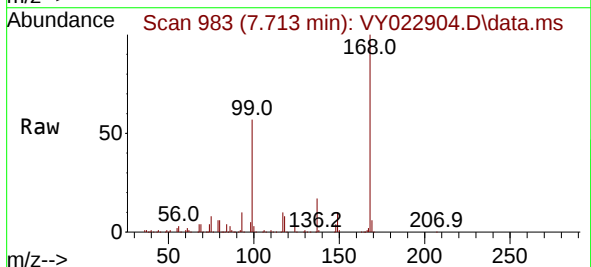
Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01



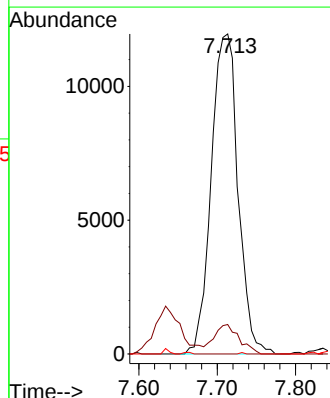
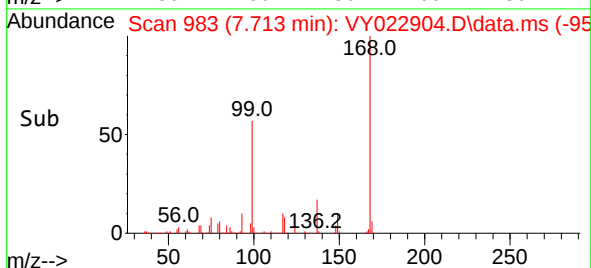
Tgt Ion:113 Resp: 188102
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 19.0 14.2 21.2

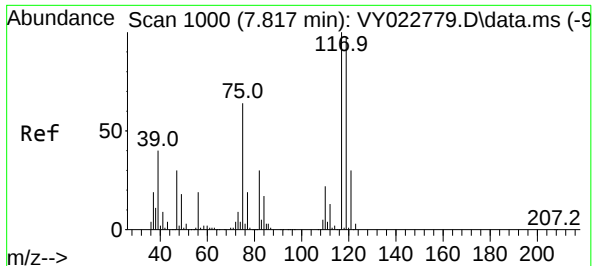


#36
1,1-Dichloropropene
Concen: 5.072 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42



Tgt Ion: 75 Resp: 28434
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.1 24.8 37.2#

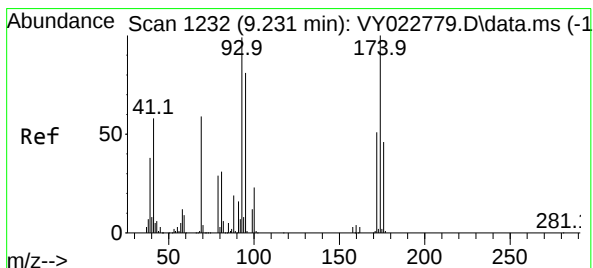
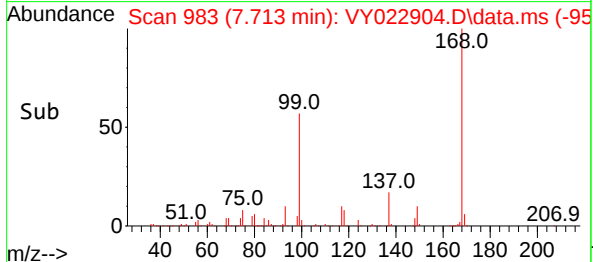
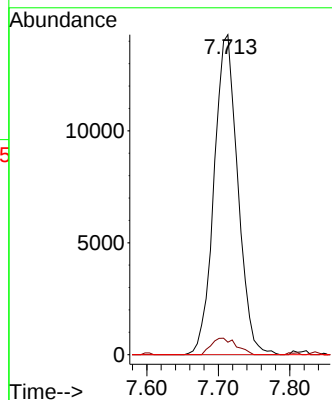
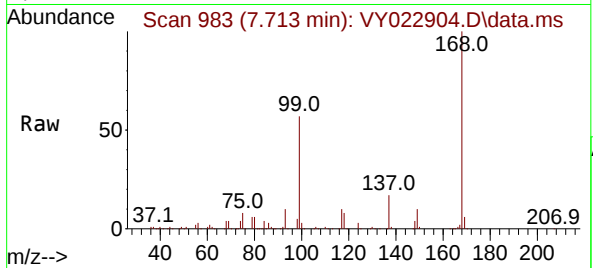




#38
Carbon Tetrachloride
Concen: 5.571 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

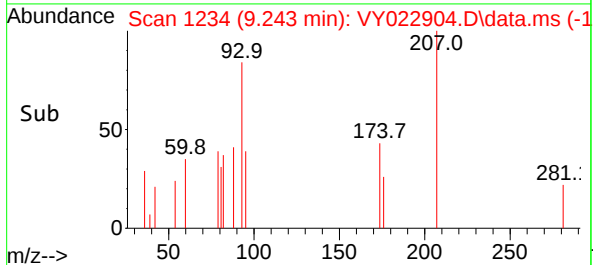
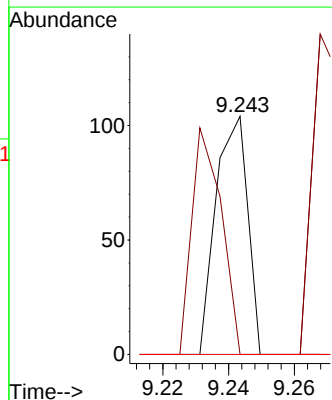
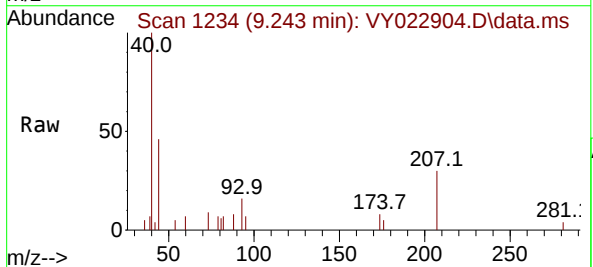
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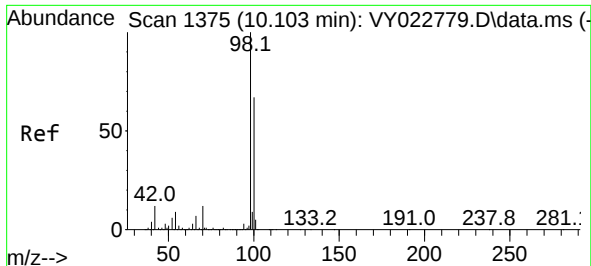
Tgt Ion:117 Resp: 32953
Ion Ratio Lower Upper
117 100
119 3.9 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.587 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 87.1 25.4 38.2#
58 0.0 54.9 82.3#

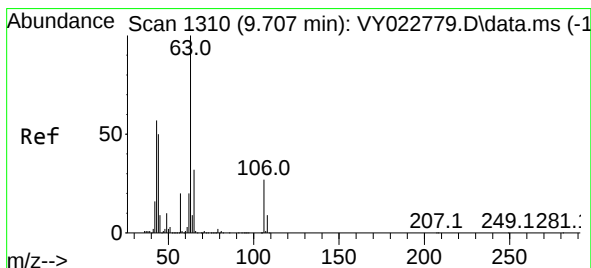
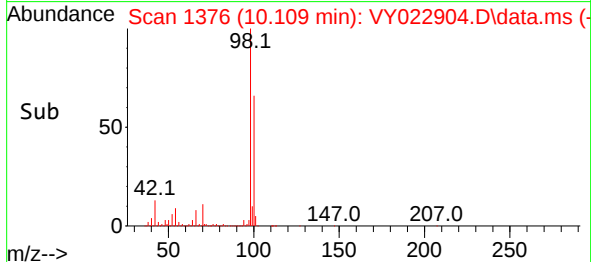
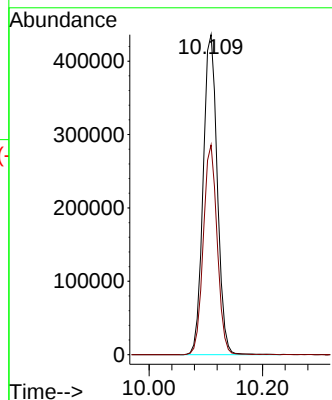
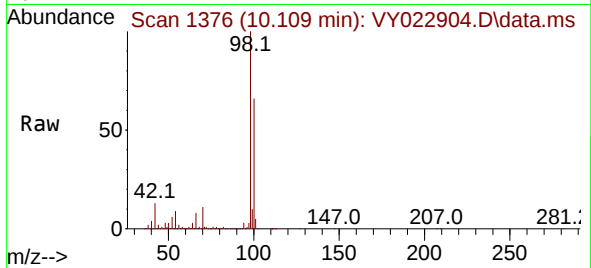




#50
Toluene-d8
Concen: 51.302 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

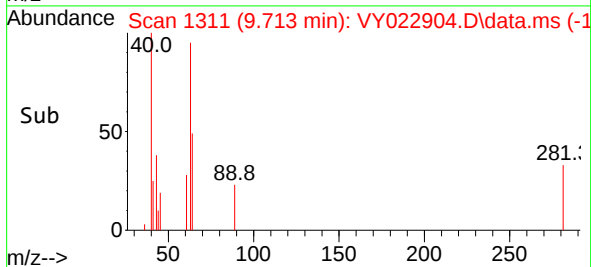
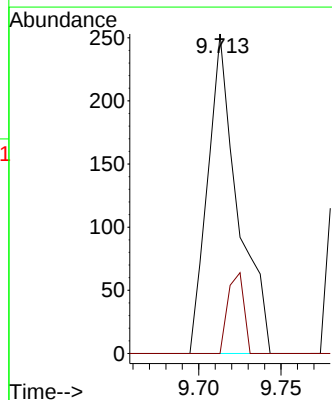
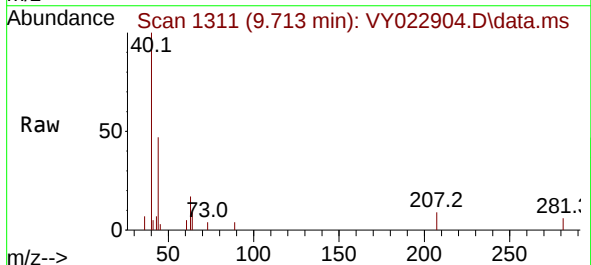
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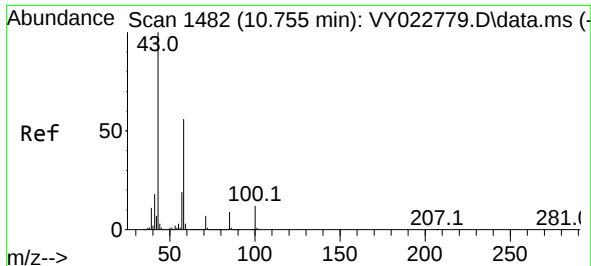
Tgt Ion: 98 Resp: 752943
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.799 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 63 Resp: 321
Ion Ratio Lower Upper
63 100
106 13.4 21.6 32.4#

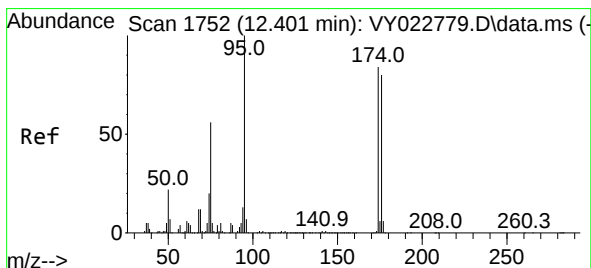
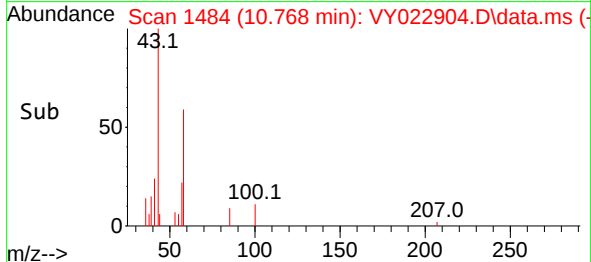
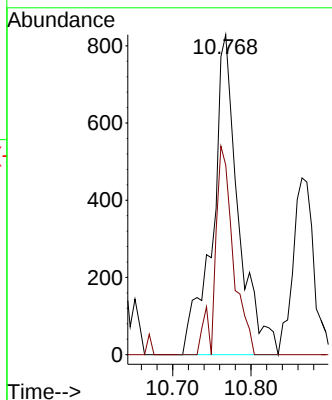
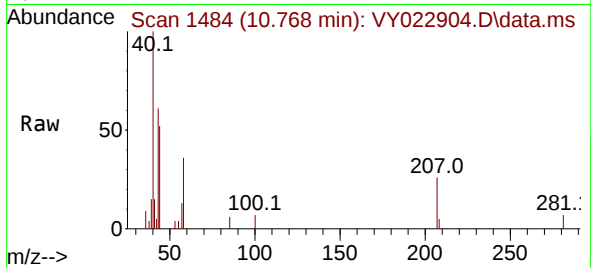




#59
2-Hexanone
Concen: 1.095 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

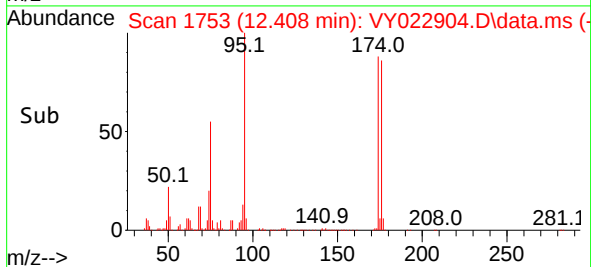
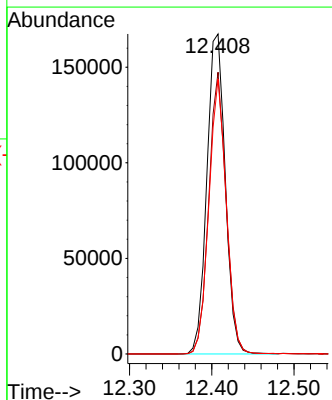
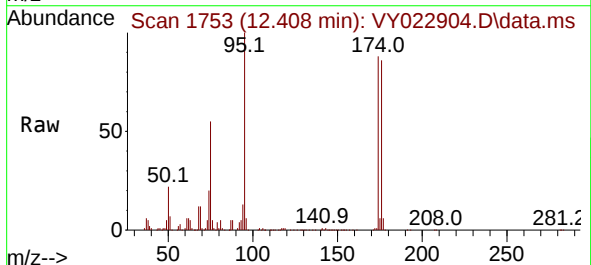
Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

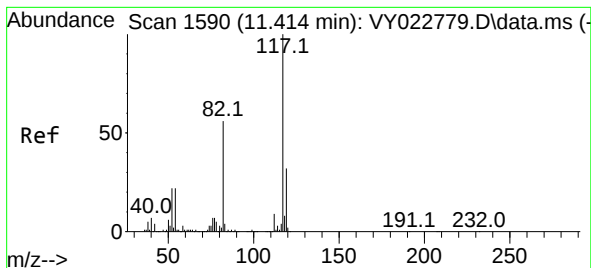
Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
58 45.7 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 55.281 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 95 Resp: 260821
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 81.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBL01

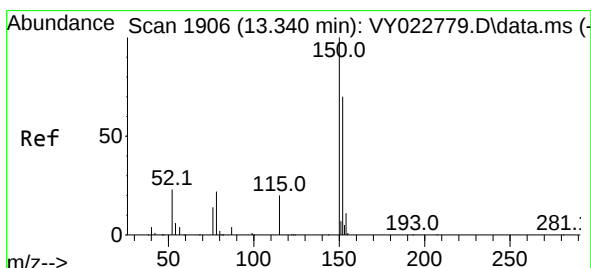
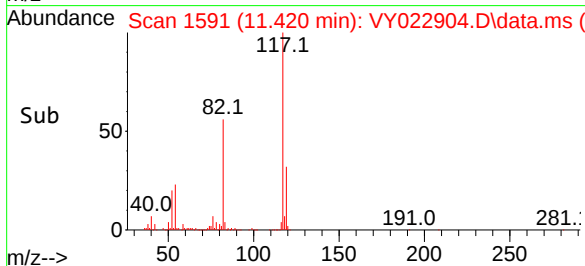
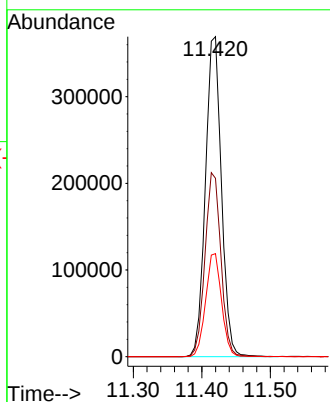
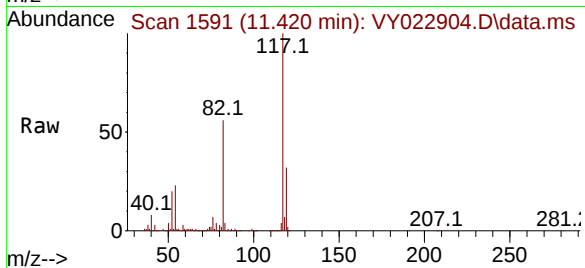
Tgt Ion:117 Resp: 599654

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

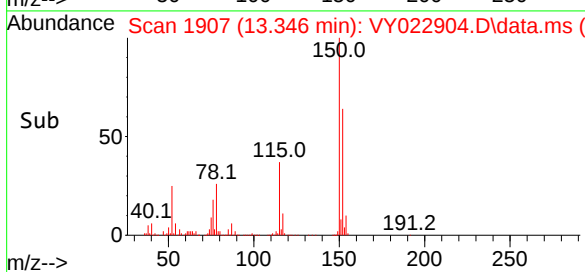
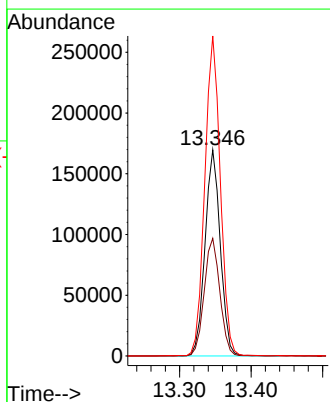
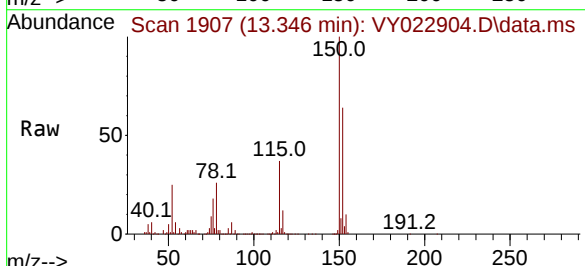
Tgt Ion:152 Resp: 251367

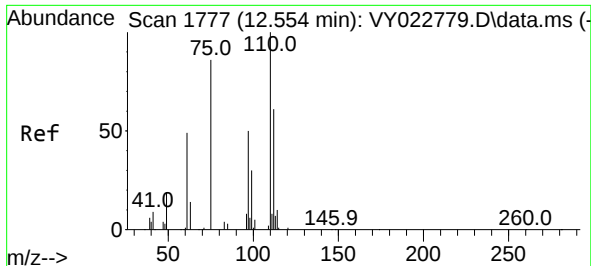
Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 157.7 0.0 349.6

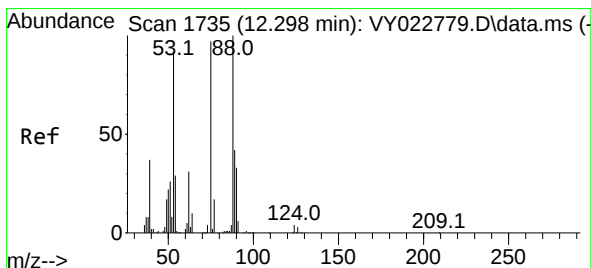
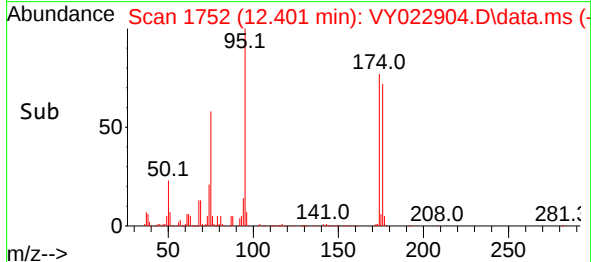
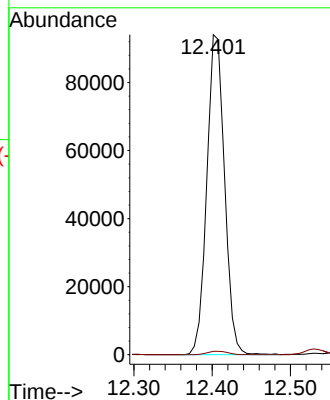
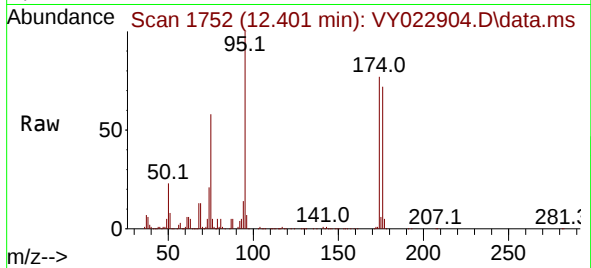




#76
1,2,3-Trichloropropane
Concen: 57.569 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

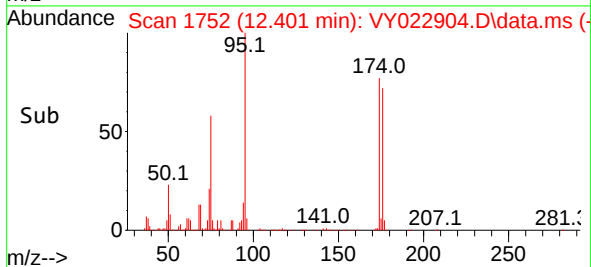
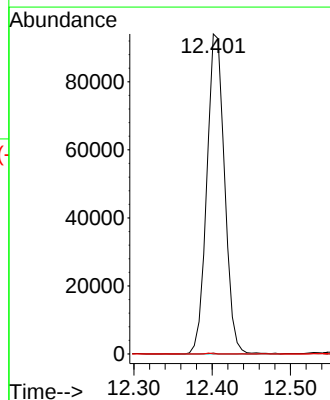
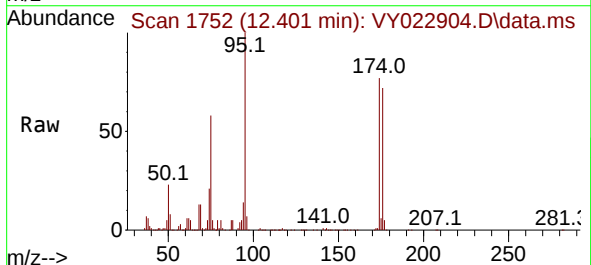
Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

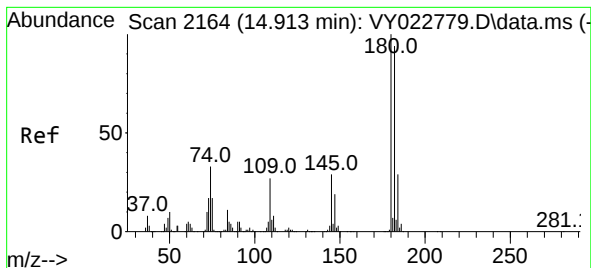
Tgt Ion: 75 Resp: 147737
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.443 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 75 Resp: 147737
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.1 35.7 53.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.055 ug/l

RT: 14.919 min Scan# 2164

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBL01

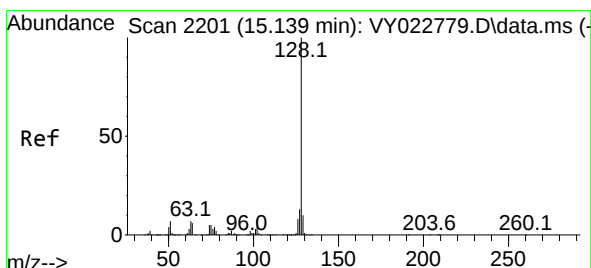
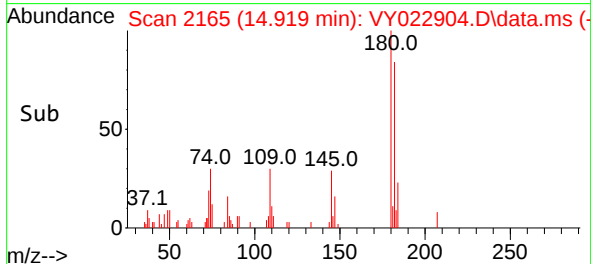
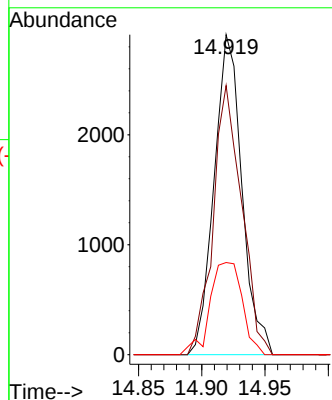
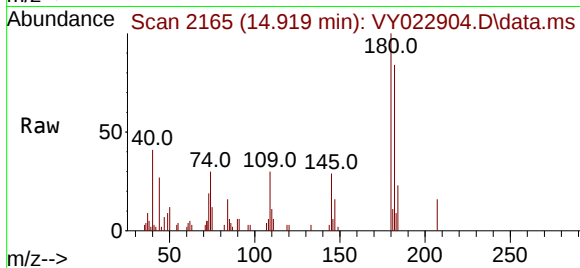
Tgt Ion:180 Resp: 4442

Ion Ratio Lower Upper

180 100

182 86.4 48.4 145.3

145 33.6 15.5 46.5



#95

Naphthalene

Concen: 1.185 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

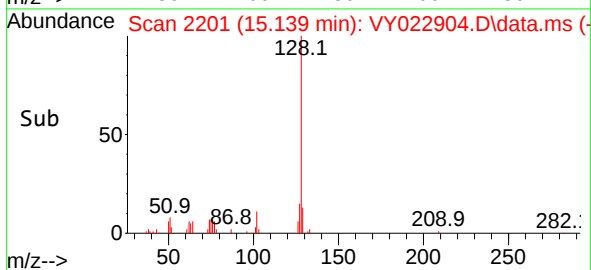
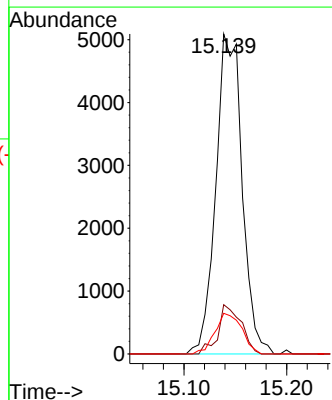
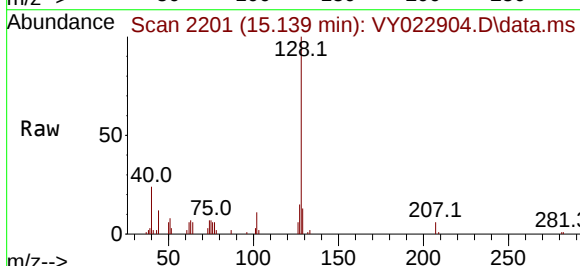
Tgt Ion:128 Resp: 9021

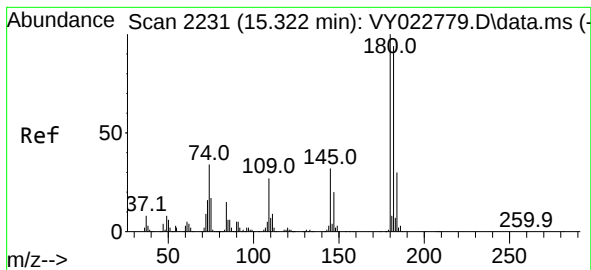
Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

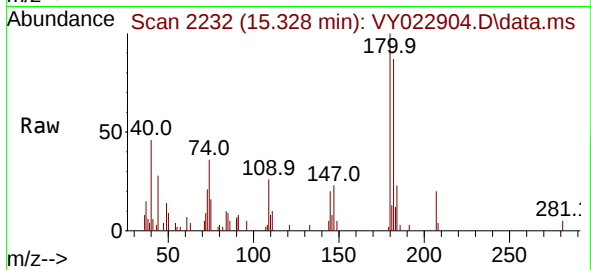
129 13.0 8.9 13.3





#96
1,2,3-Trichlorobenzene
Concen: 1.090 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01



Tgt Ion:	180	Resp:	3966
Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.1	141.3
145	32.5	15.2	45.6

