

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022639.D
 Acq On : 10 Jun 2025 10:20
 Operator : SY/MD
 Sample : VY0610SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0610SBL01

Quant Time: Jun 11 01:46:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

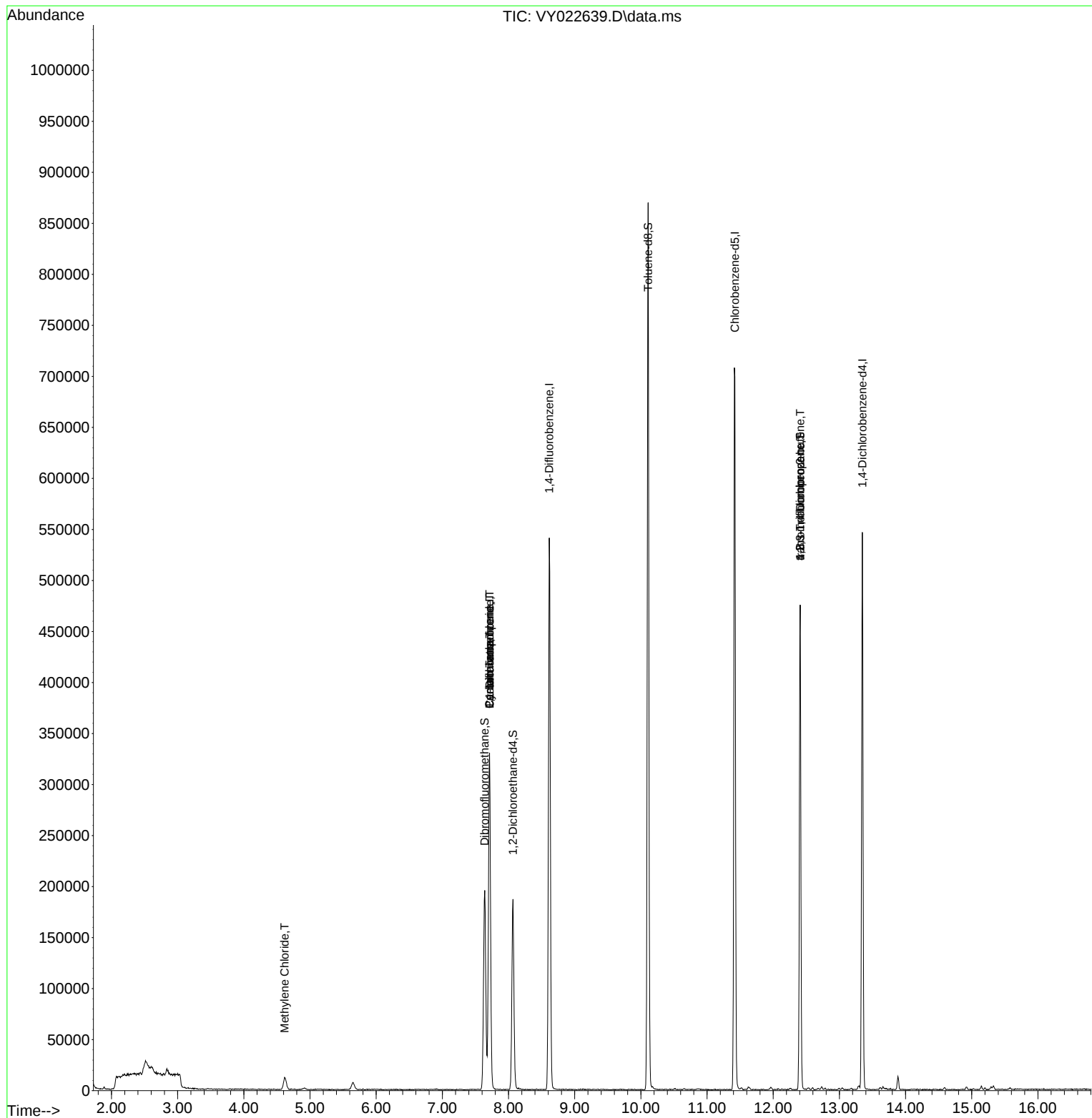
Internal Standards						
1) Pentafluorobenzene	7.713	168	238087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	353511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	122259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	137102	51.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.980%	
35) Dibromofluoromethane	7.640	113	133210	51.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.100%	
50) Toluene-d8	10.109	98	529793	50.250	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.500%	
62) 4-Bromofluorobenzene	12.408	95	127448	40.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.140%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	8461	2.754	ug/l	88
31) Cyclohexane	7.713	56	6864	1.341	ug/l #	27
36) 1,1-Dichloropropene	7.713	75	21493	5.075	ug/l #	50
38) Carbon Tetrachloride	7.713	117	24586	5.659	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	76512	54.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	76512	132.104	ug/l #	10

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

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MSVOA_Y
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VY0610SBL01

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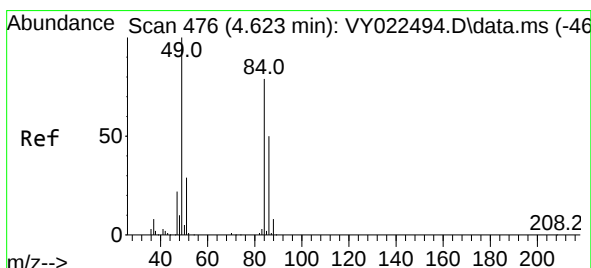
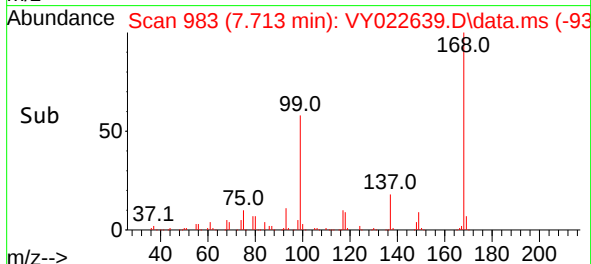
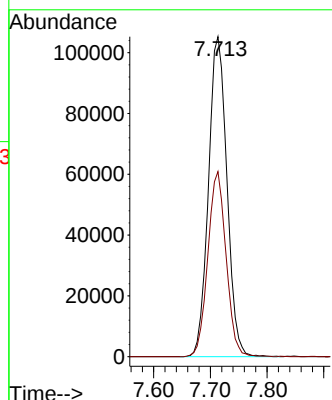
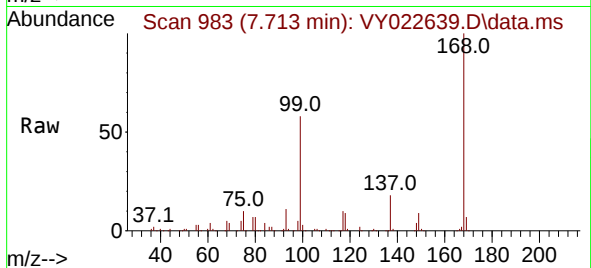




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

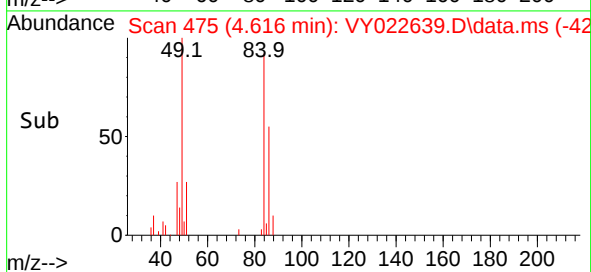
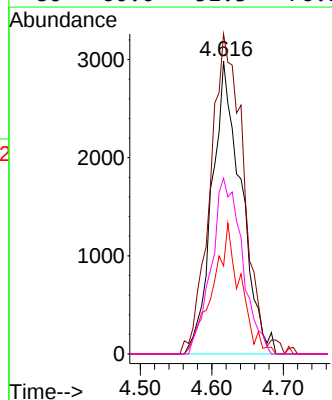
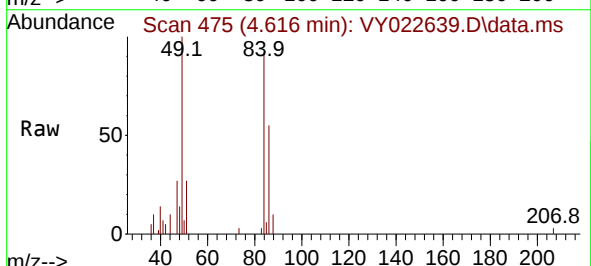
Instrument :
MSVOA_Y
ClientSampleId :
VY0610SBL01

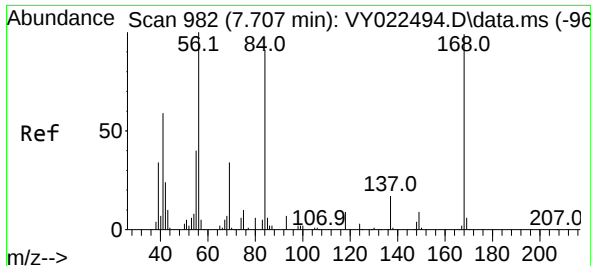
Tgt Ion:168 Resp: 238087
Ion Ratio Lower Upper
168 100
99 57.9 44.3 66.5



#20
Methylene Chloride
Concen: 2.754 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

Tgt Ion: 84 Resp: 8461
Ion Ratio Lower Upper
84 100
49 109.3 101.9 152.9
51 30.0 29.8 44.8
86 60.0 51.3 76.9

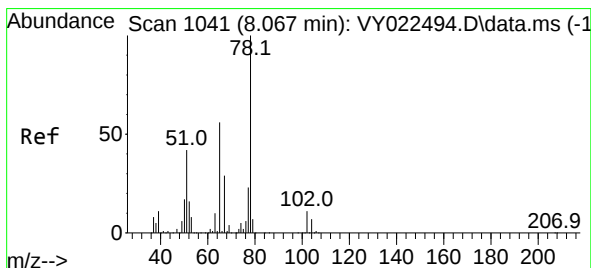
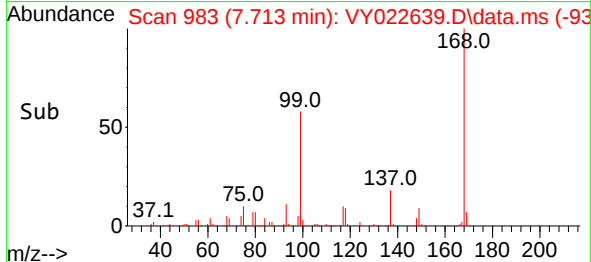
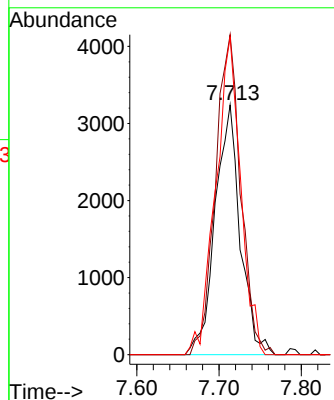
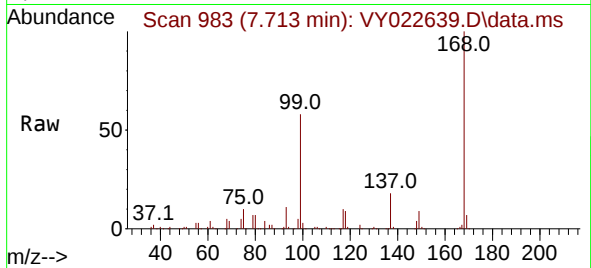




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

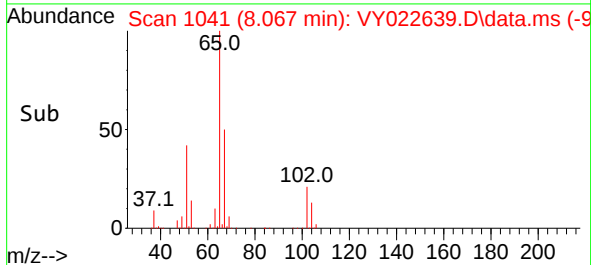
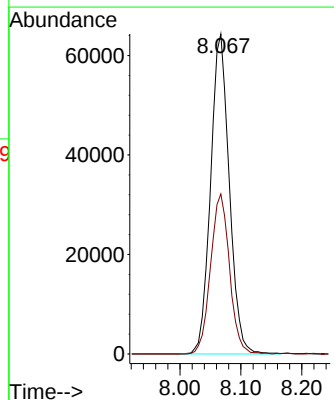
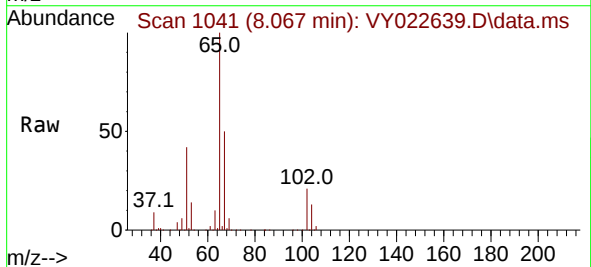
Instrument :
MSVOA_Y
ClientSampleId :
VY0610SBL01

Tgt Ion: 56 Resp: 6864
Ion Ratio Lower Upper
56 100
69 128.1 27.0 40.6#
84 127.2 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 51.487 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

Tgt Ion: 65 Resp: 137102
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.4

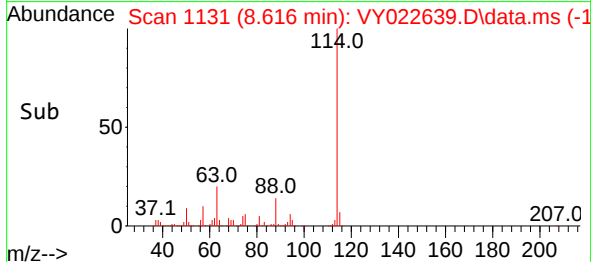
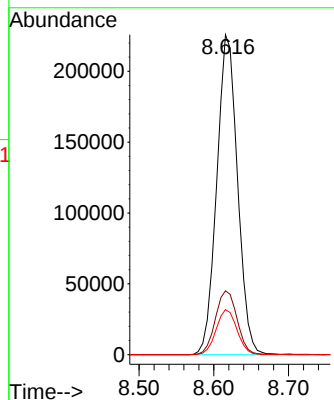
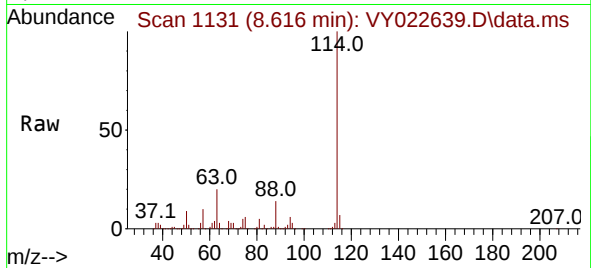




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022639.D
 Acq: 10 Jun 2025 10:20

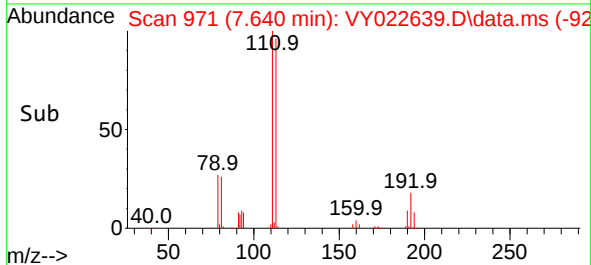
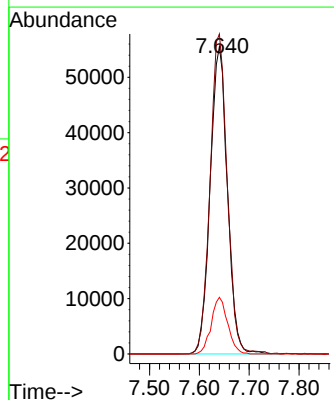
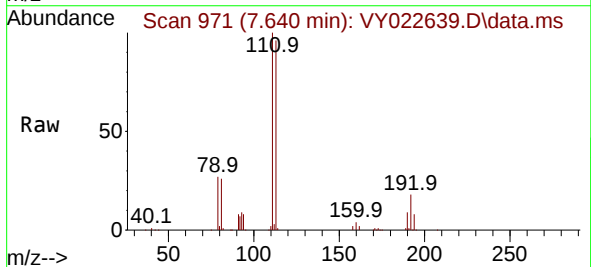
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0610SBL01

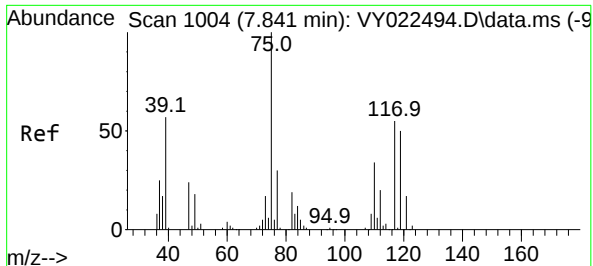
Tgt Ion:114 Resp: 437151
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 14.1 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 51.053 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. -0.000 min
 Lab File: VY022639.D
 Acq: 10 Jun 2025 10:20

Tgt Ion:113 Resp: 133210
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.1 121.7
 192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.075 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022639.D

Acq: 10 Jun 2025 10:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0610SBL01

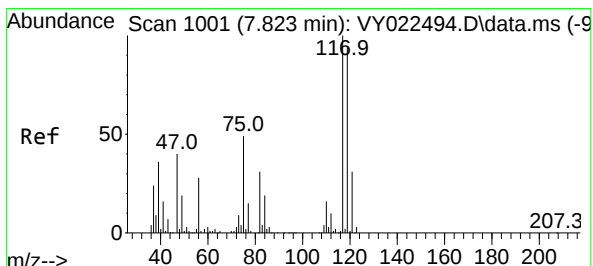
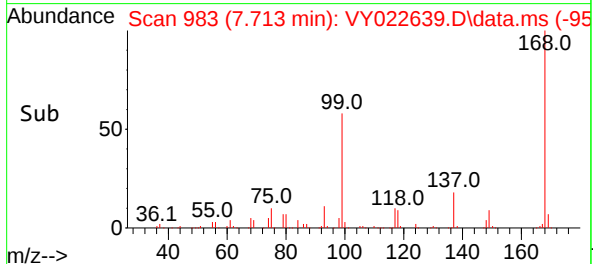
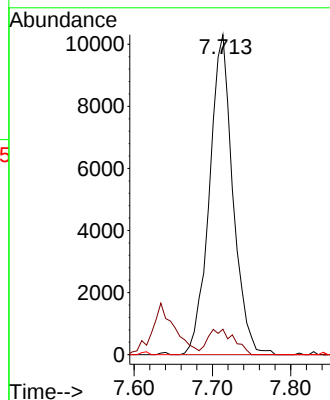
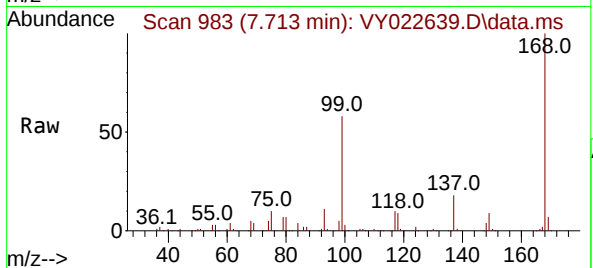
Tgt Ion: 75 Resp: 21493

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022639.D

Acq: 10 Jun 2025 10:20

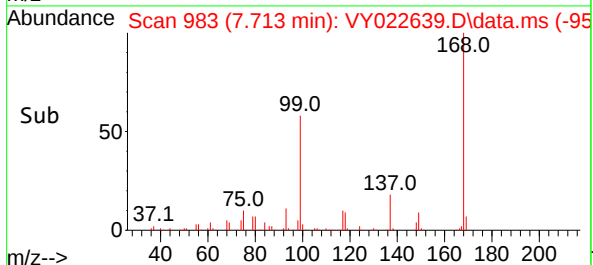
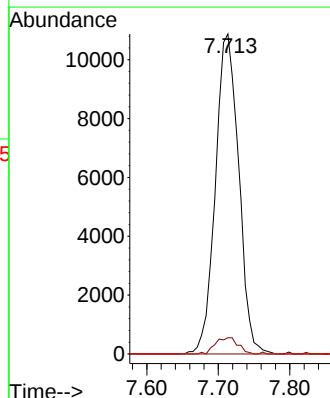
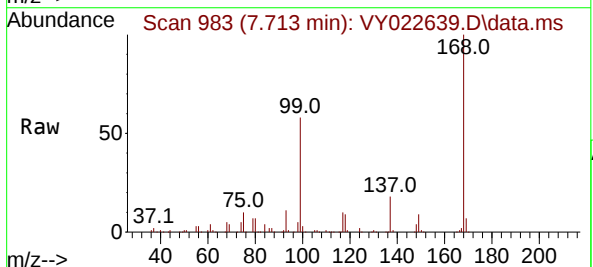
Tgt Ion: 117 Resp: 24586

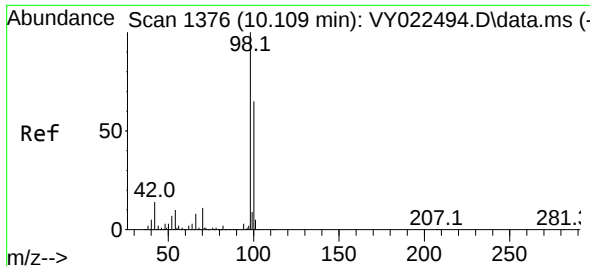
Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 25.0 37.4#

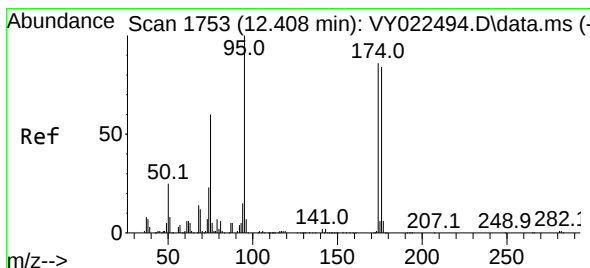
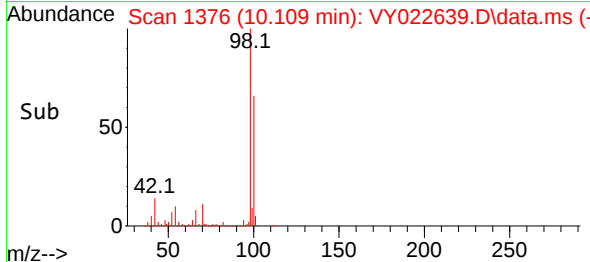
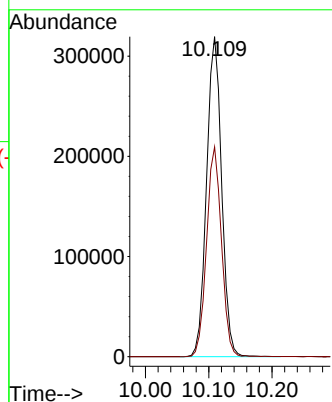
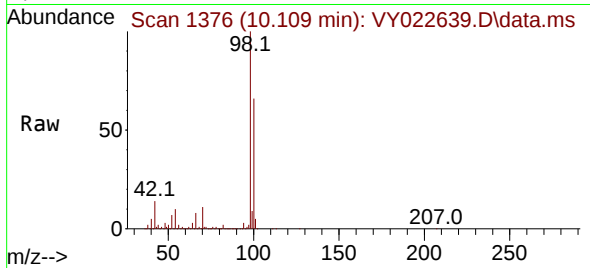




#50
Toluene-d8
Concen: 50.250 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

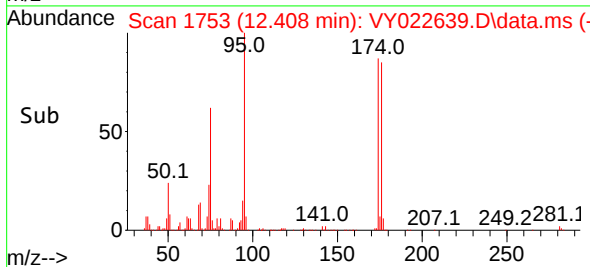
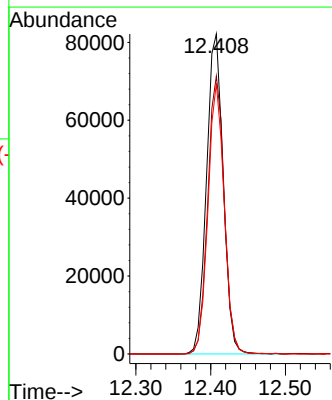
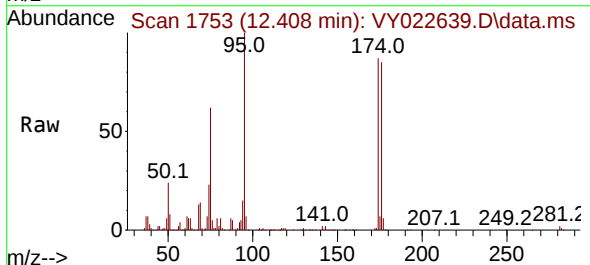
Instrument :
MSVOA_Y
ClientSampleId :
VY0610SBL01

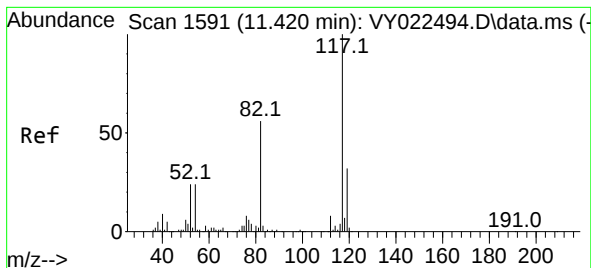
Tgt Ion: 98 Resp: 529793
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.572 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

Tgt Ion: 95 Resp: 127448
Ion Ratio Lower Upper
95 100
174 86.5 0.0 170.0
176 82.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022639.D

Acq: 10 Jun 2025 10:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0610SBL01

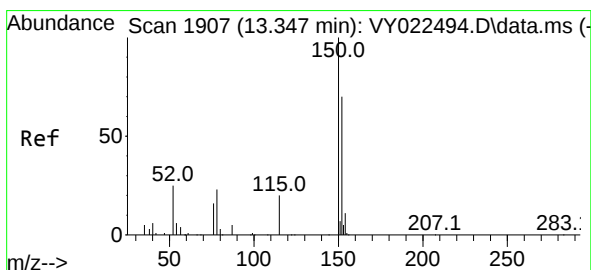
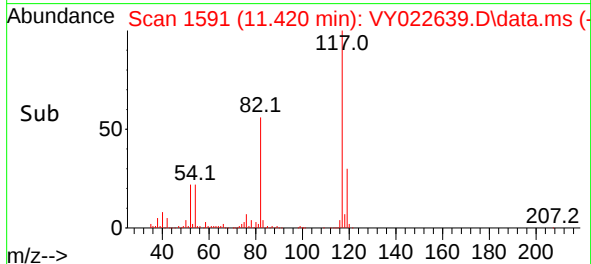
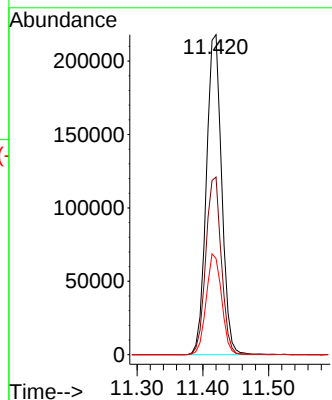
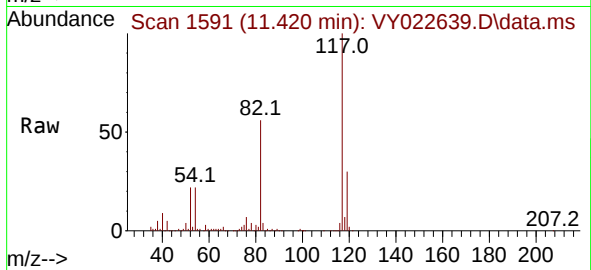
Tgt Ion:117 Resp: 353511

Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

119 30.1 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: VY022639.D

Acq: 10 Jun 2025 10:20

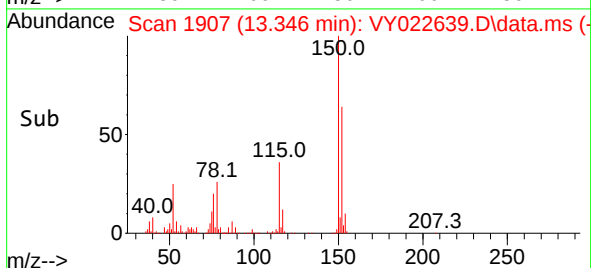
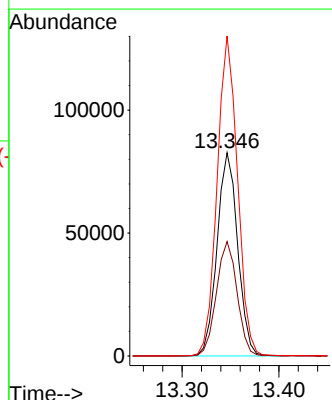
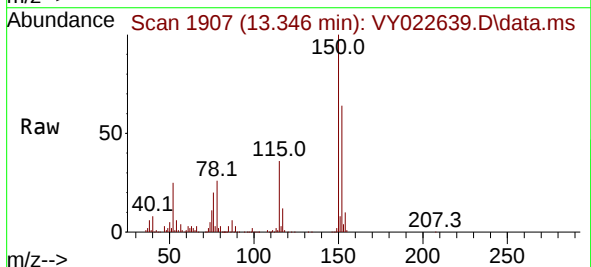
Tgt Ion:152 Resp: 122259

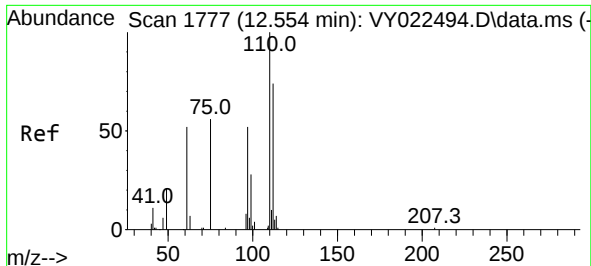
Ion Ratio Lower Upper

152 100

115 56.7 28.9 86.7

150 156.0 0.0 349.6

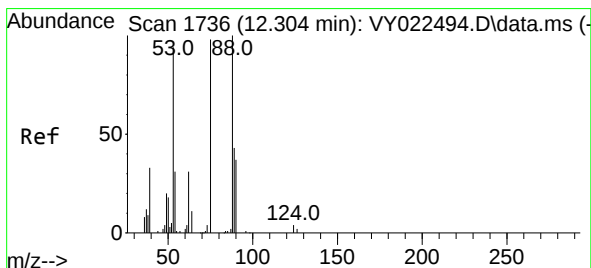
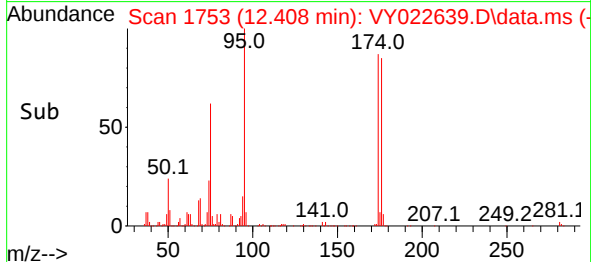
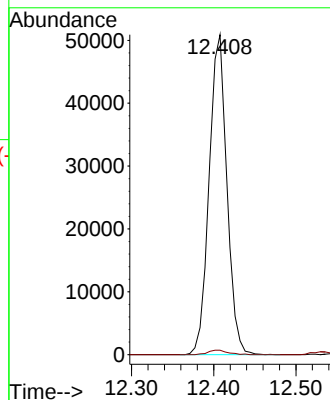
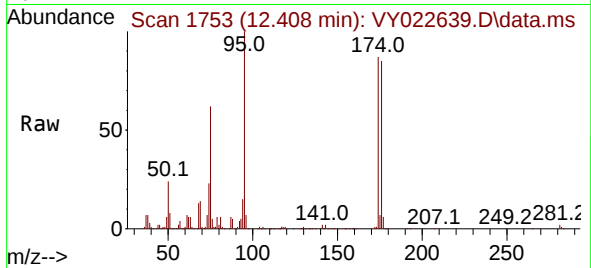




#76
1,2,3-Trichloropropane
Concen: 54.703 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0610SBL01

Tgt Ion: 75 Resp: 76512
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.104 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

Tgt Ion: 75 Resp: 76512
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

