

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022535.D
 Acq On : 03 Jun 2025 20:06
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 04 04:18:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

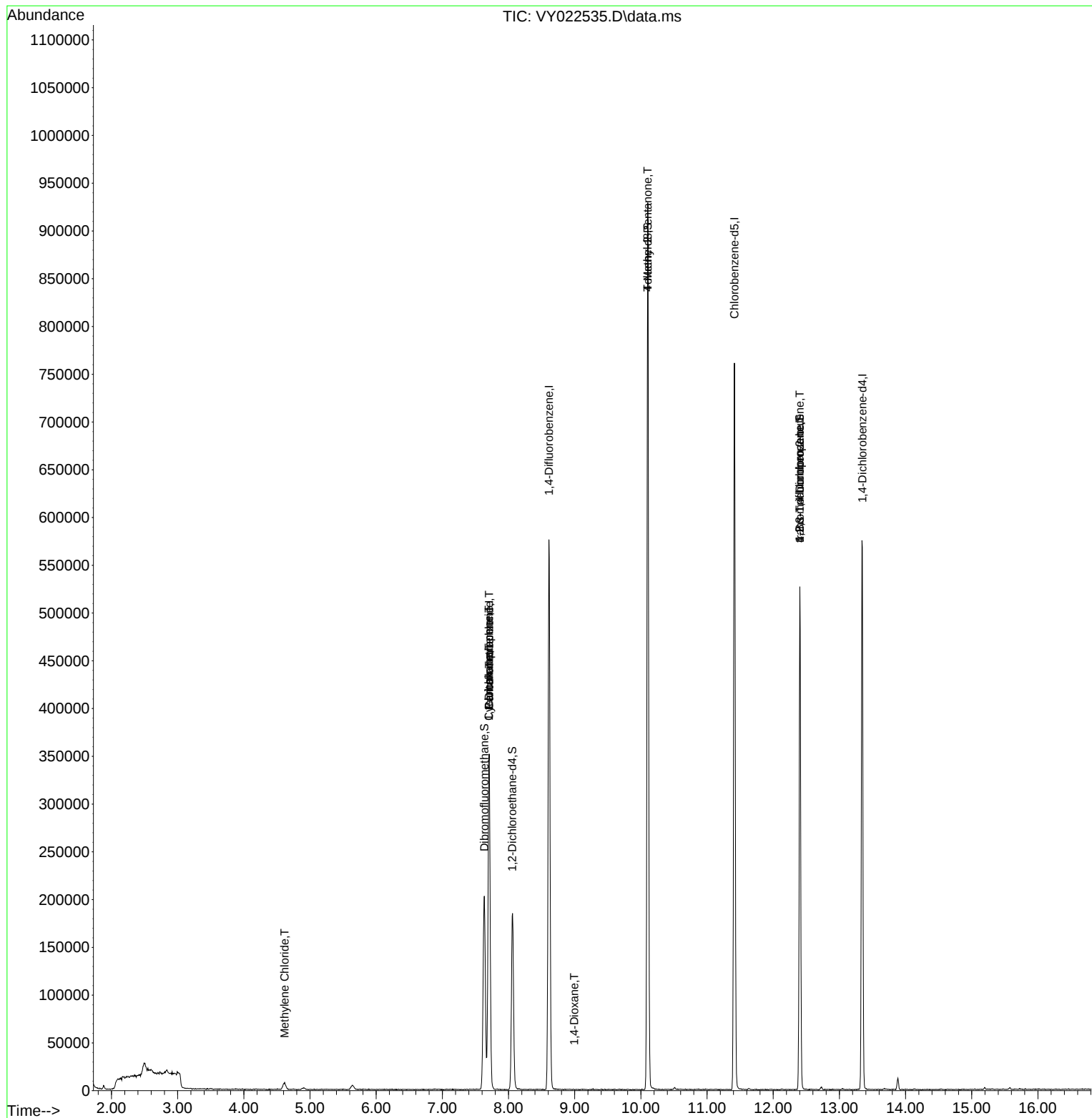
Internal Standards						
1) Pentafluorobenzene	7.707	168	259614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	473731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	371556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	135929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	140677	48.449	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.634	113	141072	49.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.780%
50) Toluene-d8	10.103	98	567911	49.706	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.402	95	140879	41.384	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.760%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	4878	1.456	ug/l	89
31) Cyclohexane	7.701	56	7494	1.343	ug/l #	35
36) 1,1-Dichloropropene	7.701	75	23206	5.057	ug/l #	50
38) Carbon Tetrachloride	7.707	117	26447	5.618	ug/l #	16
49) 1,4-Dioxane	8.994	88	29	1.358	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	3356	1.523	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	82658	53.154	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	82658	128.363	ug/l #	10

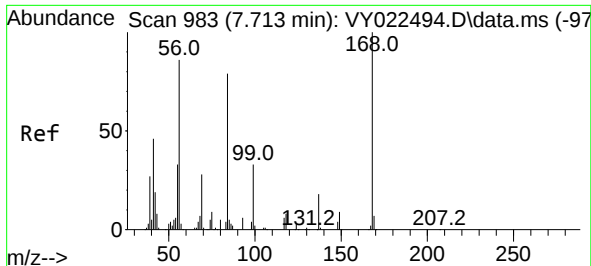
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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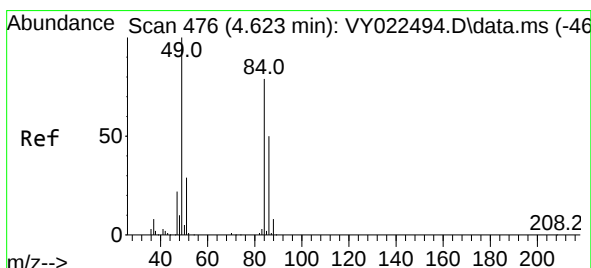
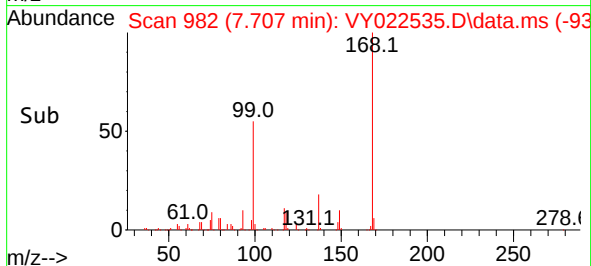
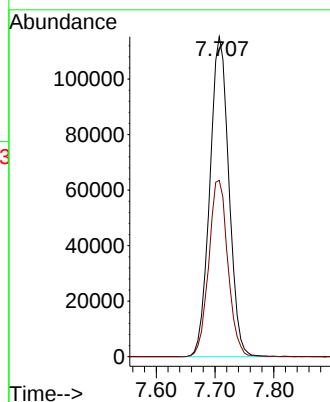
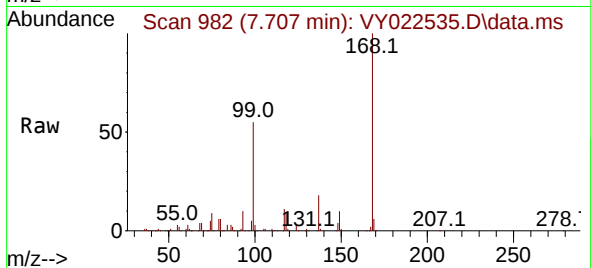




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

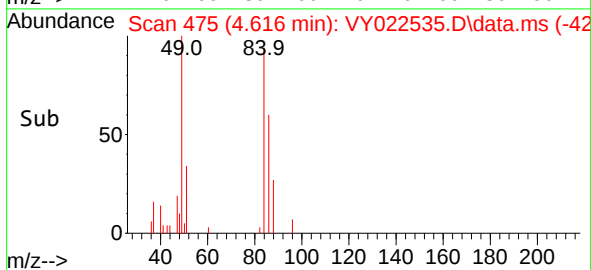
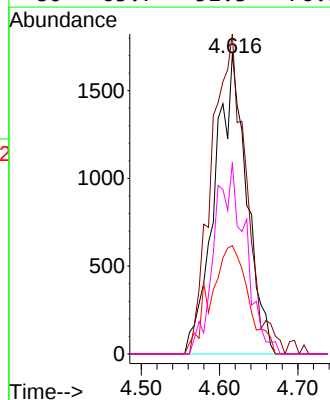
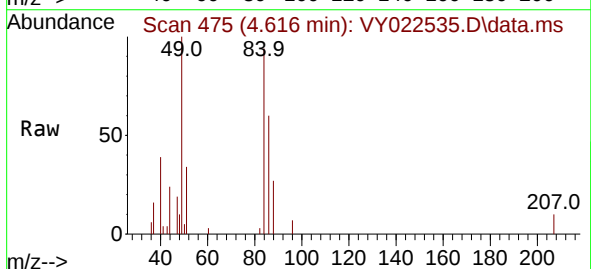
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

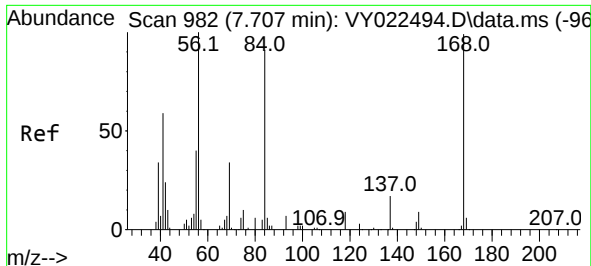
Tgt Ion:168 Resp: 259614
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#20
Methylene Chloride
Concen: 1.456 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Tgt Ion: 84 Resp: 4878
Ion Ratio Lower Upper
84 100
49 106.5 101.9 152.9
51 36.1 29.8 44.8
86 63.7 51.3 76.9

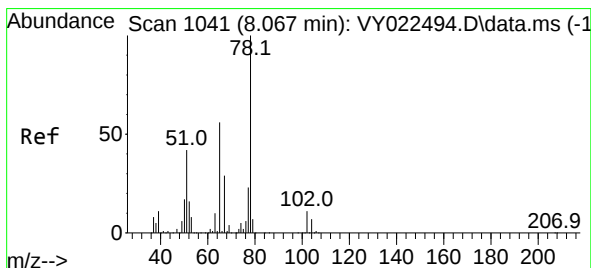
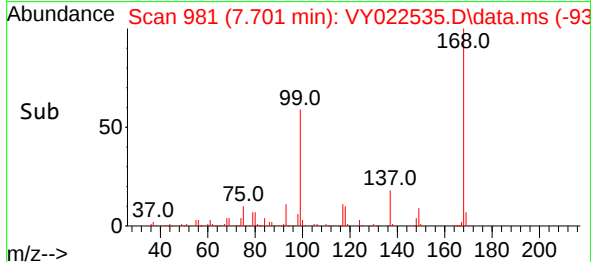
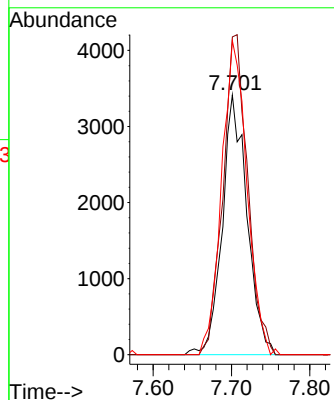
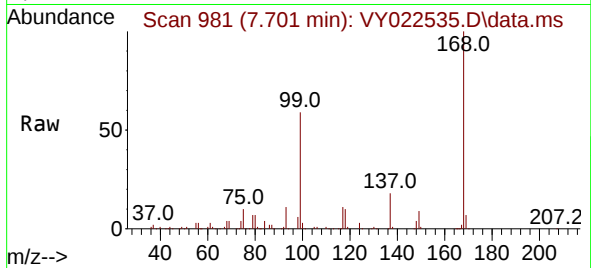




#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

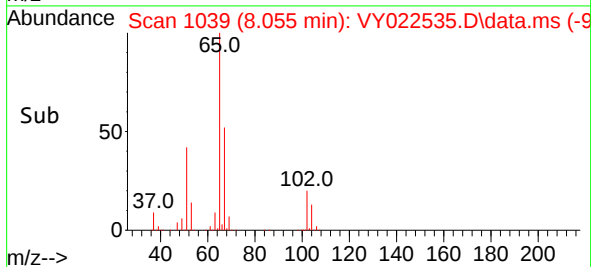
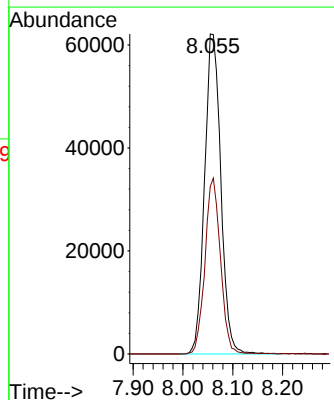
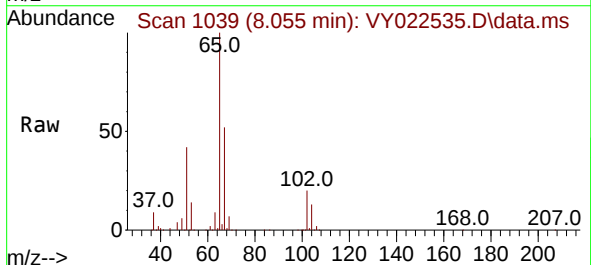
Instrument :
MSVOA_Y
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VIBLK

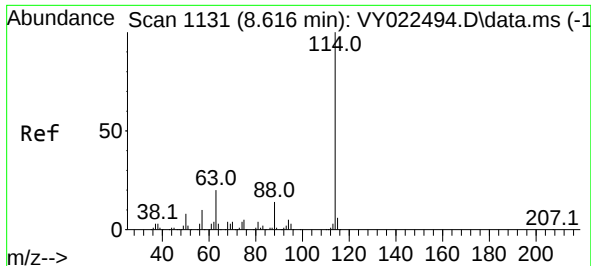
Tgt Ion: 56 Resp: 7494
Ion Ratio Lower Upper
56 100
69 122.4 27.0 40.6#
84 120.9 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.449 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Tgt Ion: 65 Resp: 140677
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

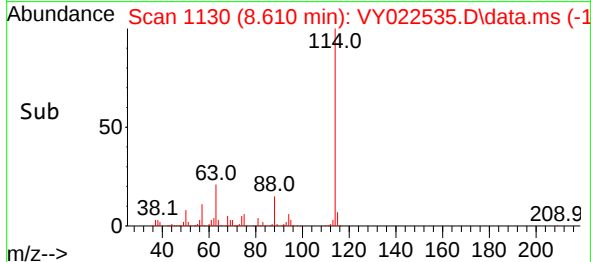
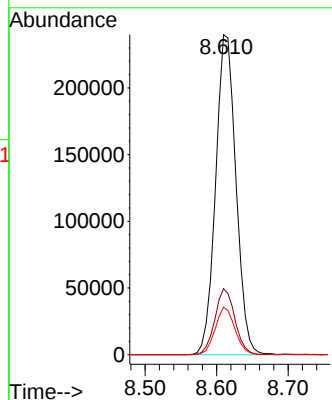
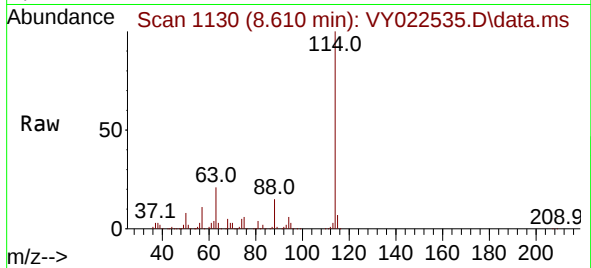




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

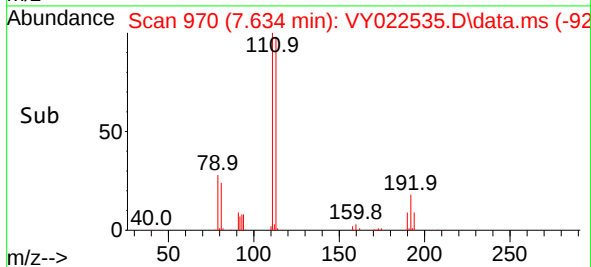
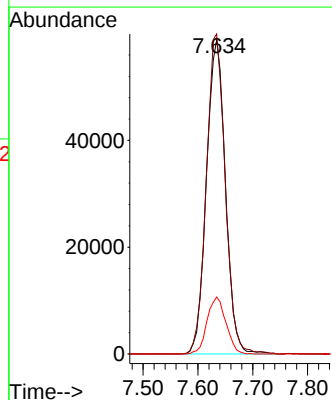
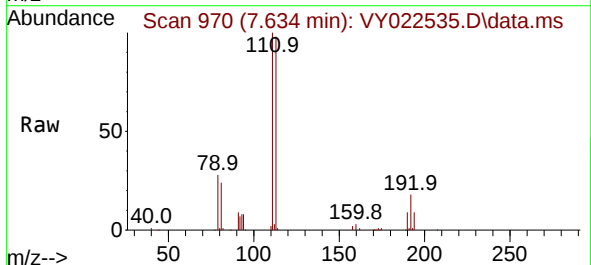
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

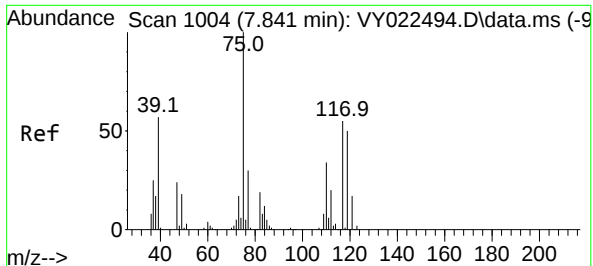
Tgt Ion:114 Resp: 473731
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.891 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Tgt Ion:113 Resp: 141072
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 18.0 14.2 21.2

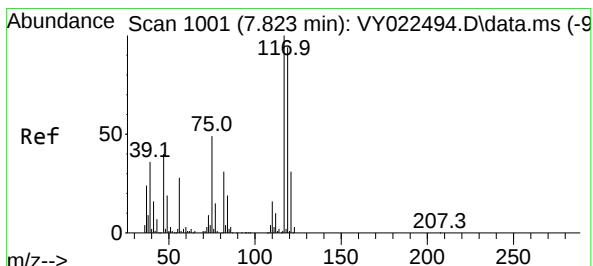
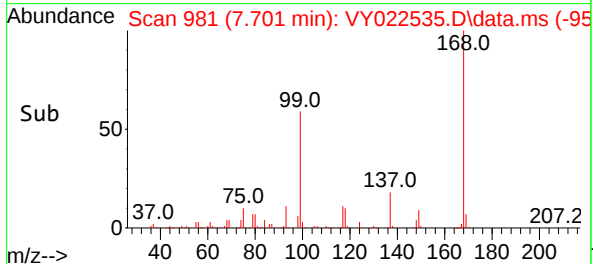
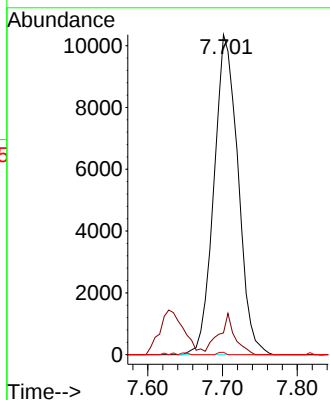
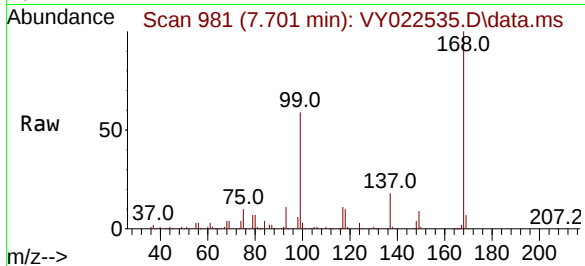




#36
1,1-Dichloropropene
Concen: 5.057 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

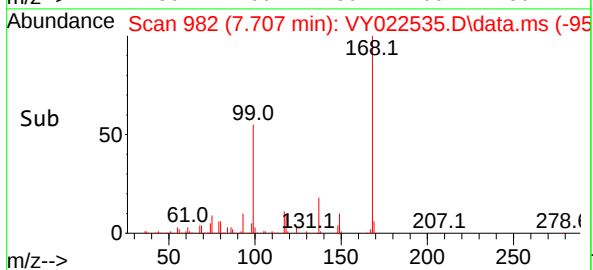
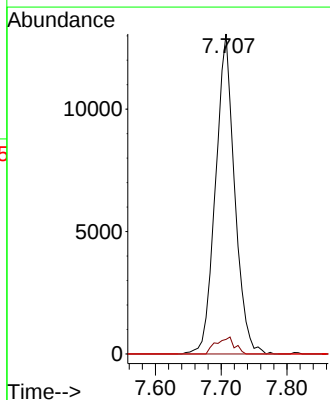
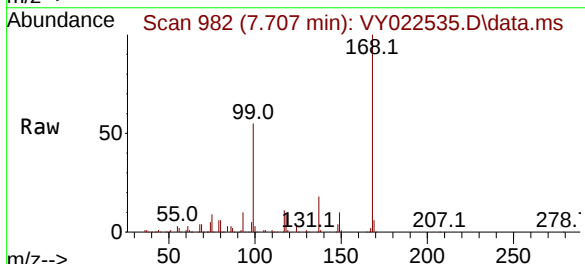
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

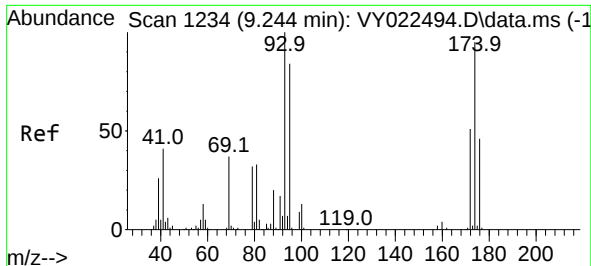
Tgt Ion: 75 Resp: 23206
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.618 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Tgt Ion: 117 Resp: 26447
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.358 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.250 min

Lab File: VY022535.D

Acq: 03 Jun 2025 20:06

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

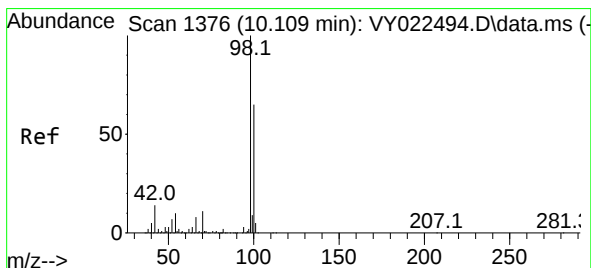
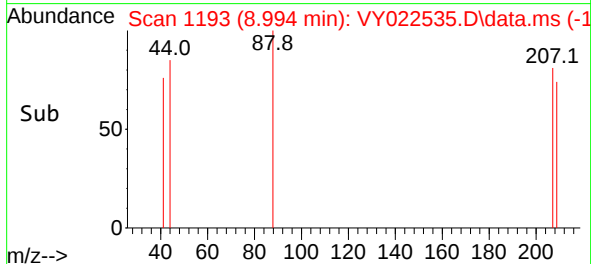
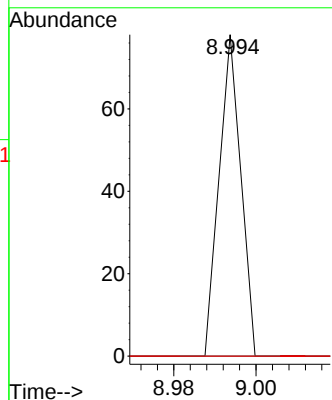
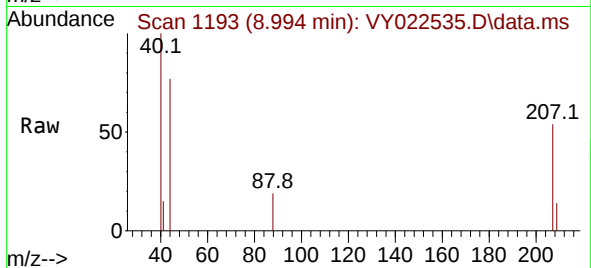
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 49.706 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022535.D

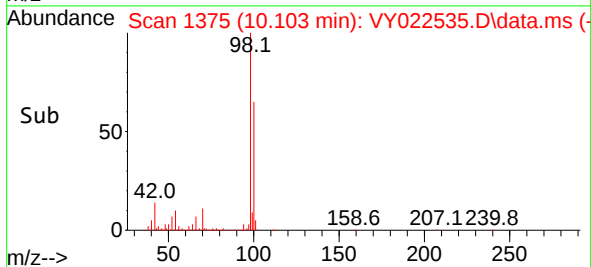
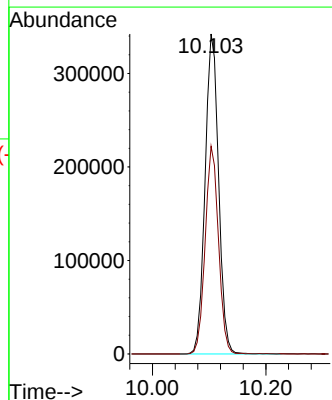
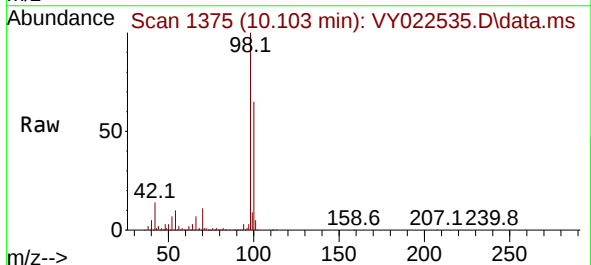
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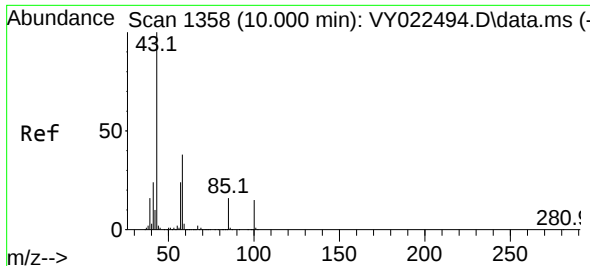
Tgt Ion: 98 Resp: 567911

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0

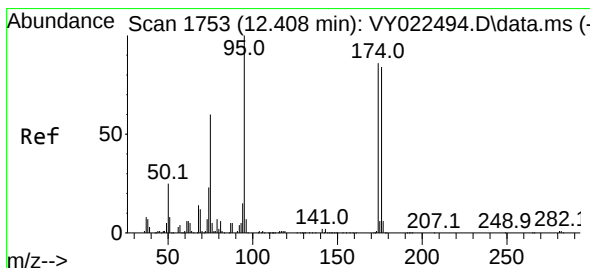
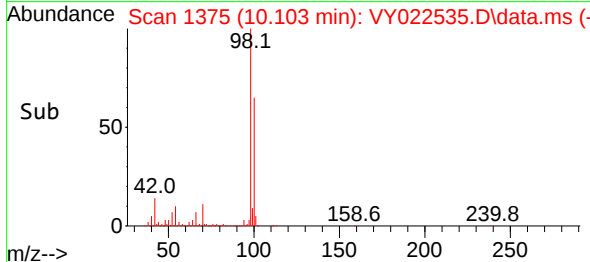
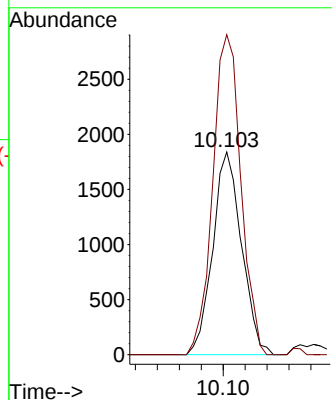
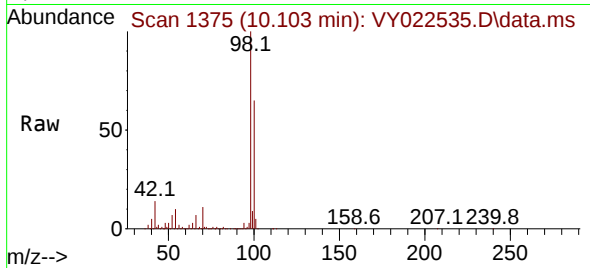




#51
4-Methyl-2-Pentanone
Concen: 1.523 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

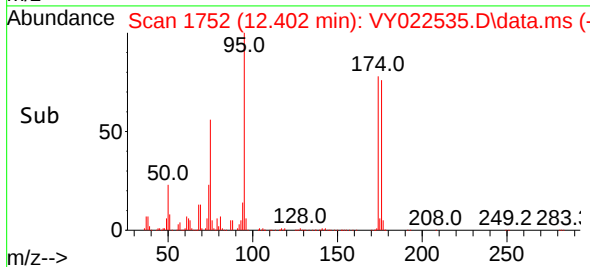
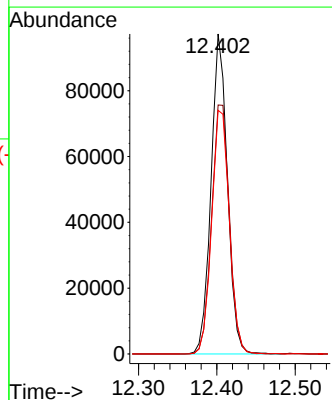
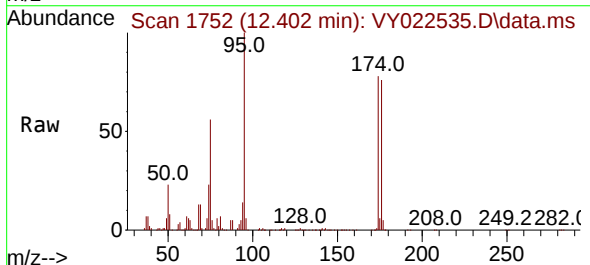
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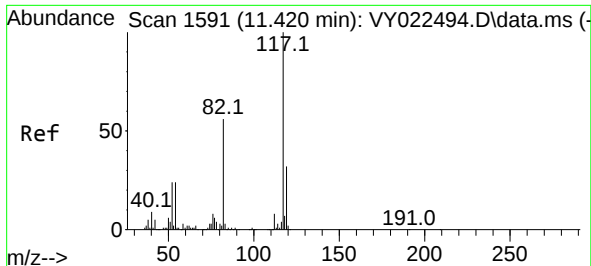
Tgt Ion: 43 Resp: 3356
Ion Ratio Lower Upper
43 100
58 154.5 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 41.384 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Tgt Ion: 95 Resp: 140879
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 82.1 0.0 166.2

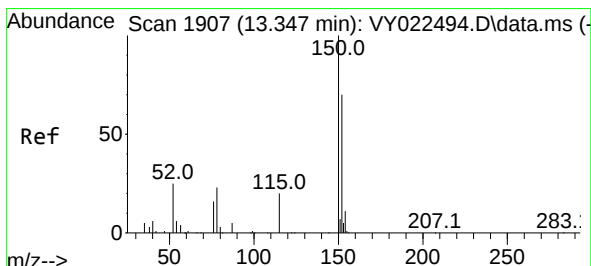
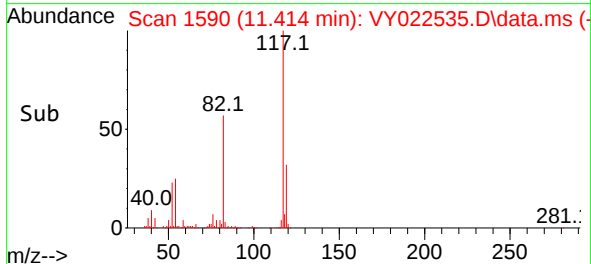
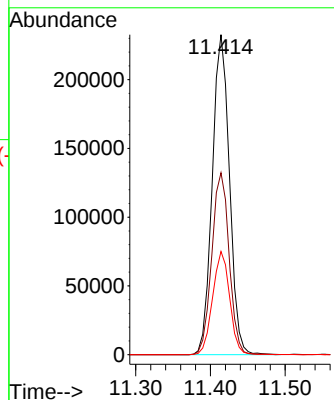
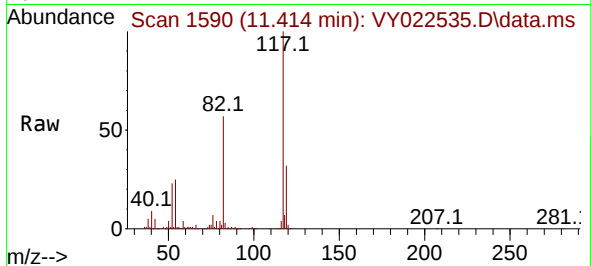




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

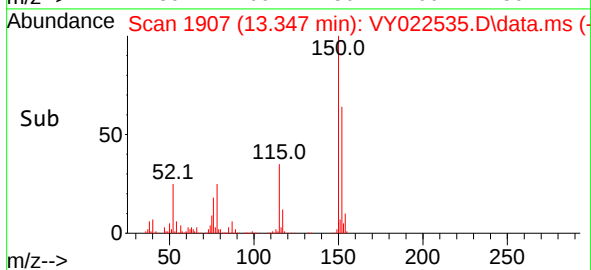
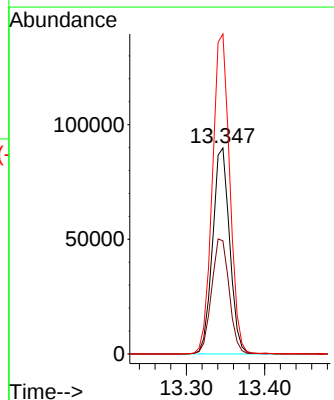
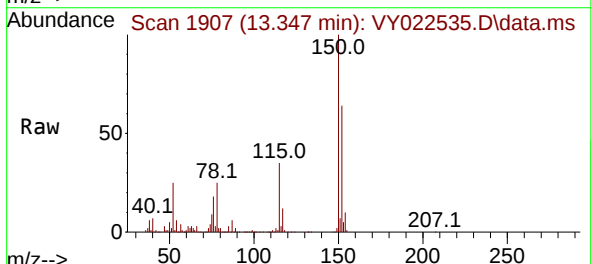
Instrument :
MSVOA_Y
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VIBLK

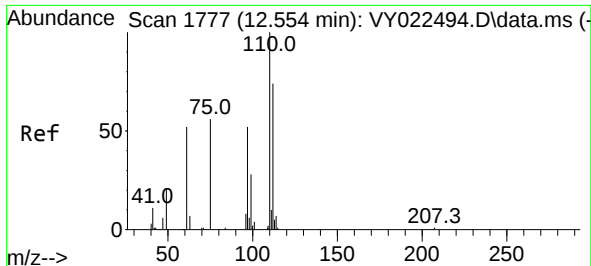
Tgt Ion:117 Resp: 371556
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Tgt Ion:152 Resp: 135929
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 158.1 0.0 349.6

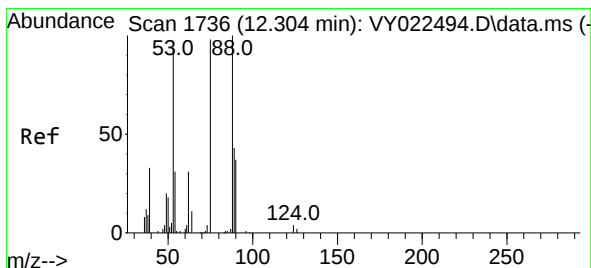
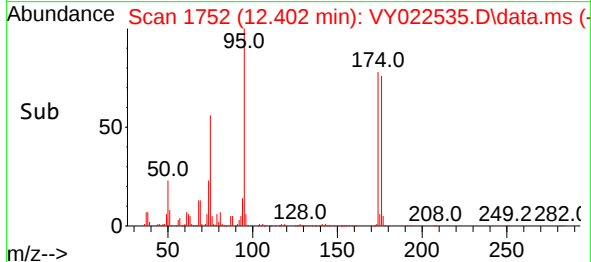
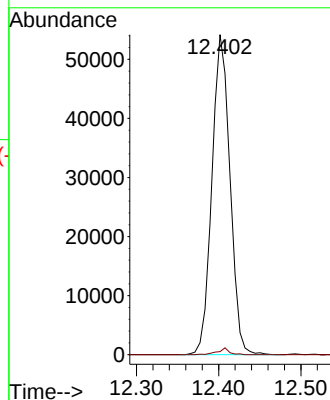
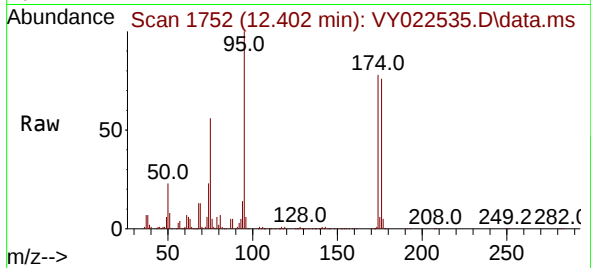




#76
1,2,3-Trichloropropane
Concen: 53.154 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 82658
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.363 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022535.D
Acq: 03 Jun 2025 20:06

Tgt Ion: 75 Resp: 82658
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

