

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023592.D
 Acq On : 27 Oct 2025 12:30
 Operator : SY/MD
 Sample : Q3466-04
 Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B9-0.5-1.0-20251023

Quant Time: Oct 28 04:39:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

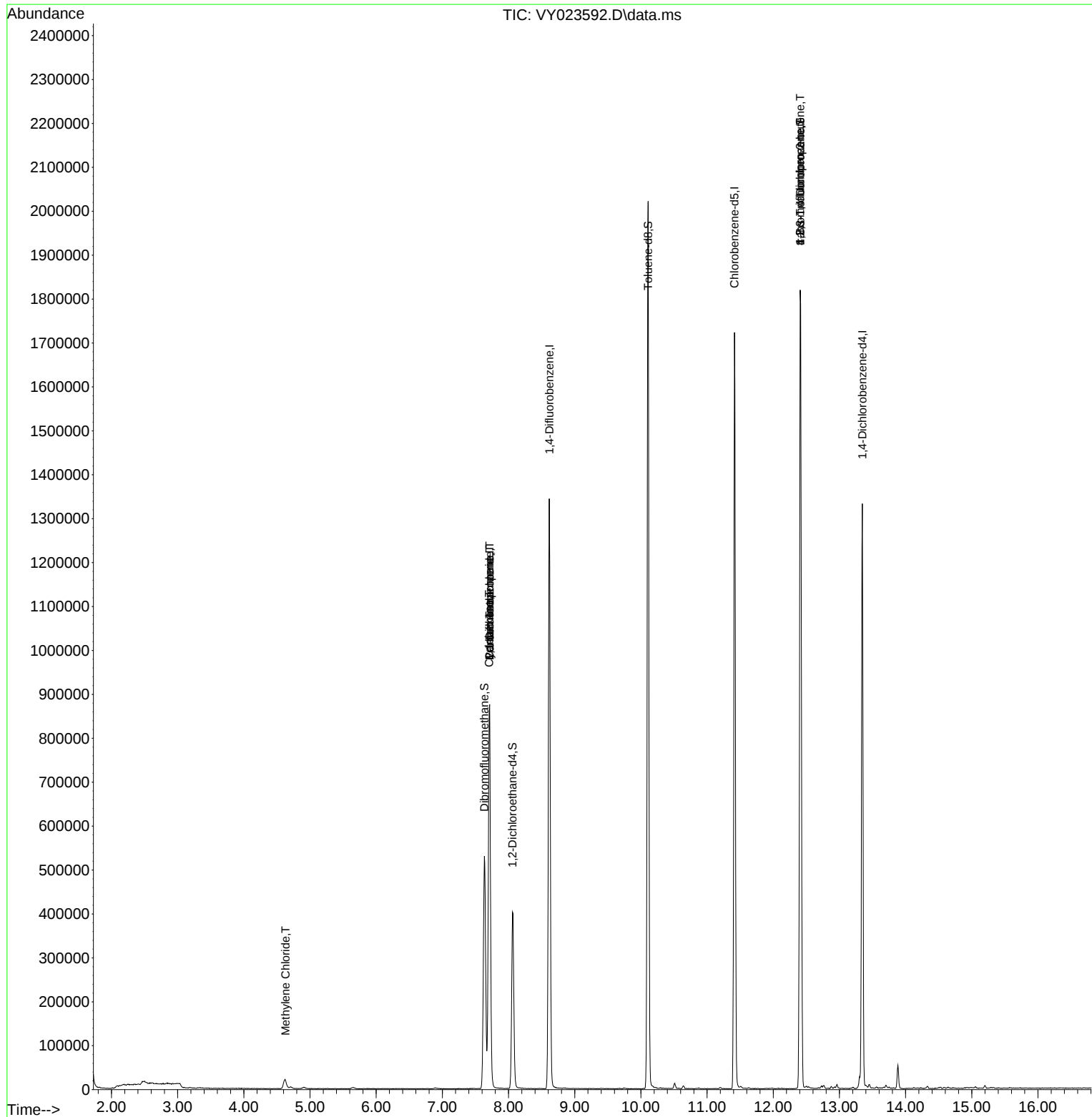
Internal Standards						
1) Pentafluorobenzene	7.713	168	745194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1231218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	979970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	361763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	314555	50.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.960%	
35) Dibromofluoromethane	7.634	113	380851	50.342	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.680%	
50) Toluene-d8	10.109	98	1364092	48.417	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.840%	
62) 4-Bromofluorobenzene	12.408	95	359173	38.614	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.220%	
Target Compounds						Qvalue
20) Methylene Chloride	4.629	84	16987	2.118	ug/l #	88
31) Cyclohexane	7.707	56	12234	1.180	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	48718	4.864	ug/l #	47
38) Carbon Tetrachloride	7.713	117	67326	5.544	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	181248	56.787	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	181248	139.253	ug/l #	15

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

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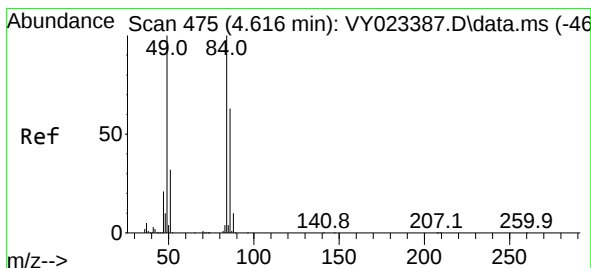
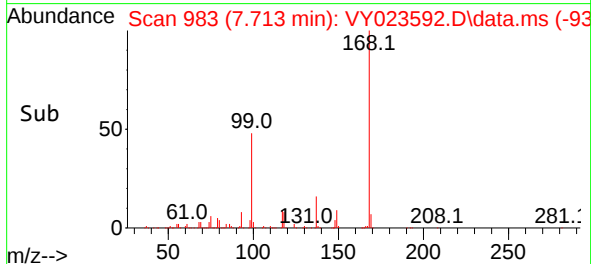
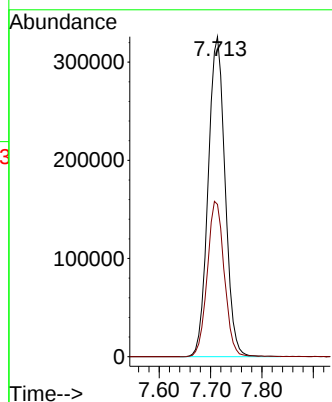
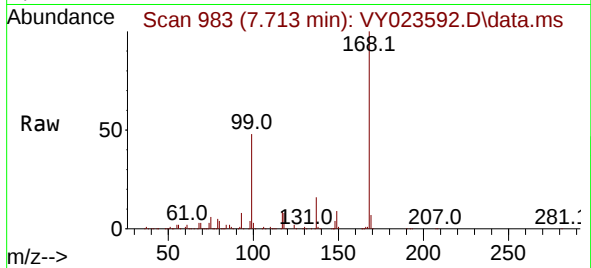




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

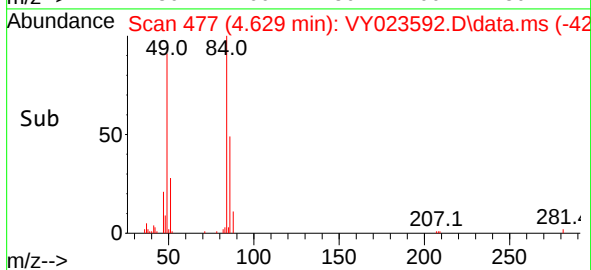
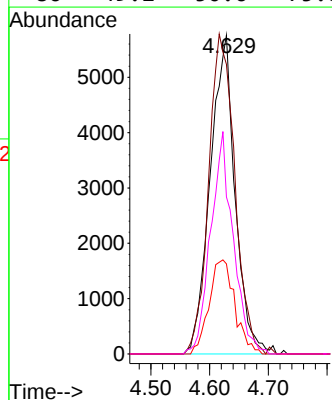
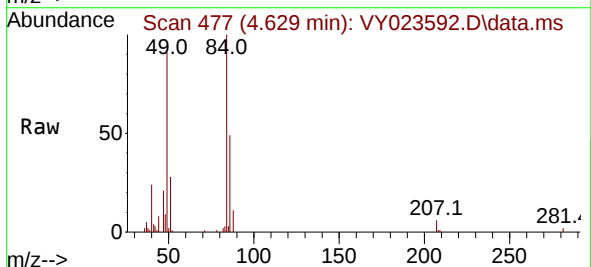
Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

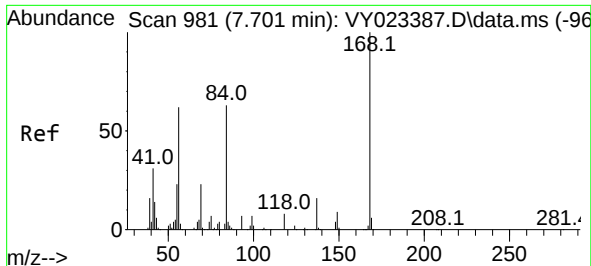
Tgt Ion:168 Resp: 745194
Ion Ratio Lower Upper
168 100
99 47.6 39.7 59.5



#20
Methylene Chloride
Concen: 2.118 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion: 84 Resp: 16987
Ion Ratio Lower Upper
84 100
49 90.9 80.2 120.4
51 28.2 25.9 38.9
86 49.2 50.6 75.8#

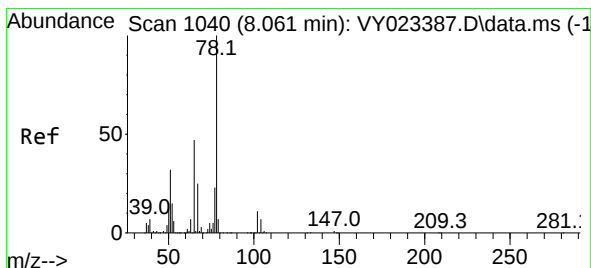
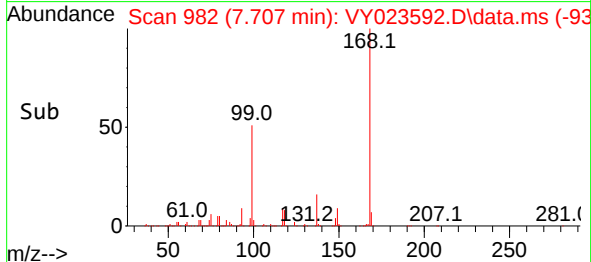
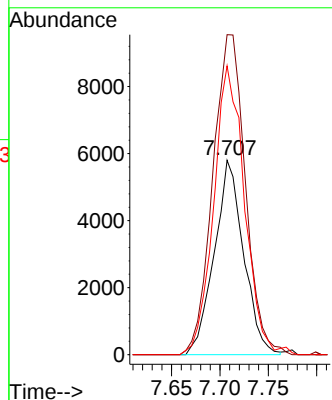
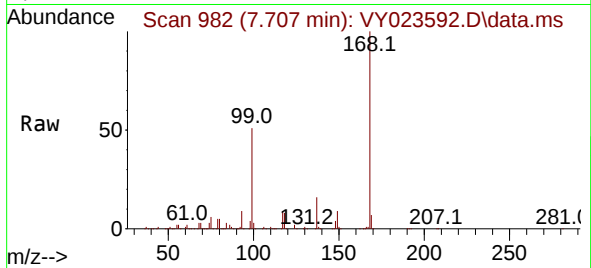




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

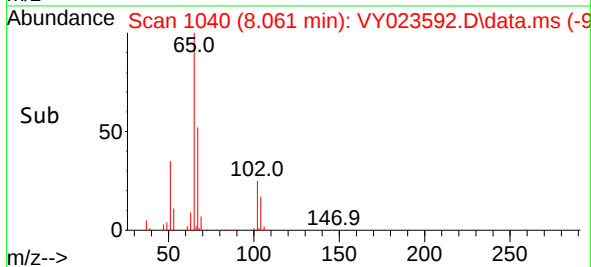
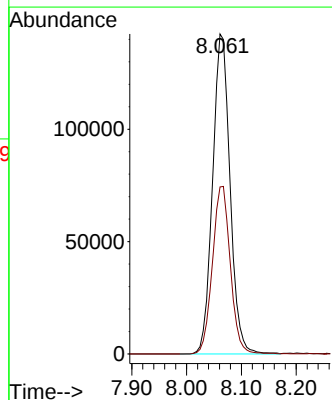
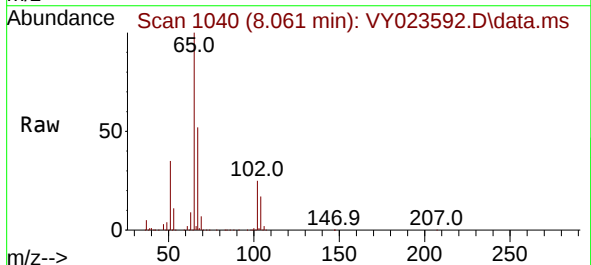
Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

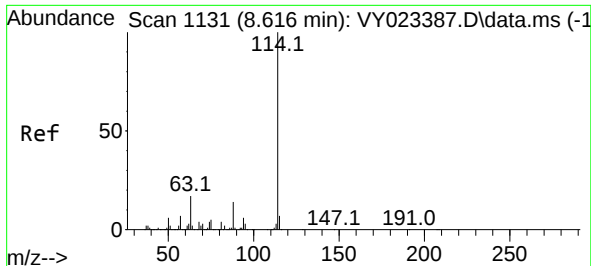
Tgt Ion: 56 Resp: 12234
Ion Ratio Lower Upper
56 100
69 164.6 30.0 45.0#
84 148.6 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 50.479 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion: 65 Resp: 314555
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8

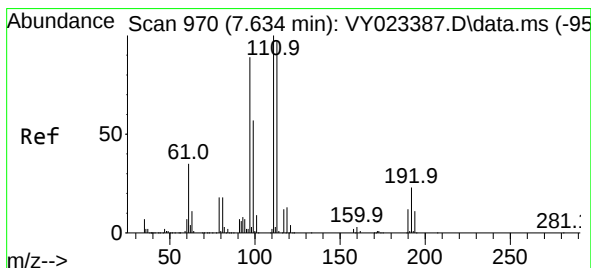
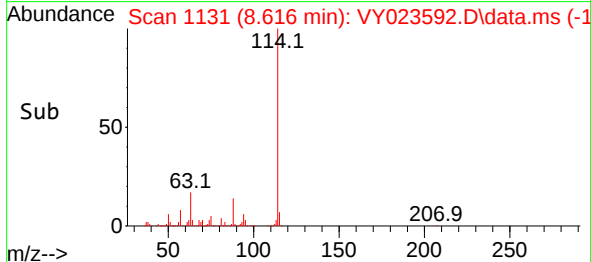
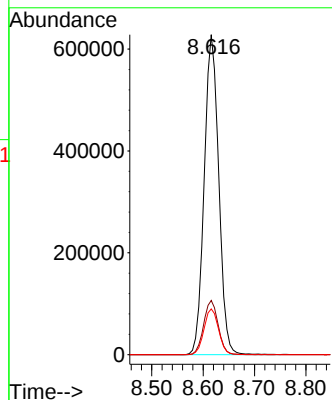
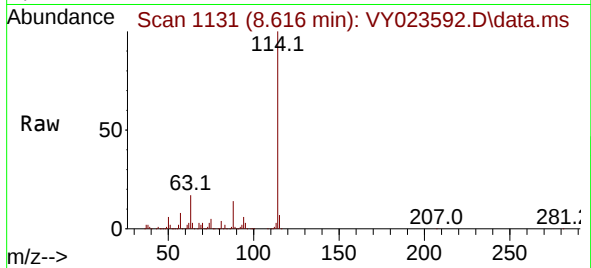




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

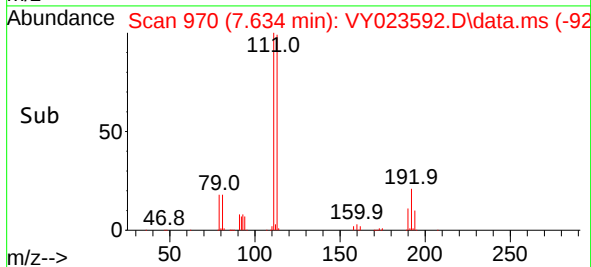
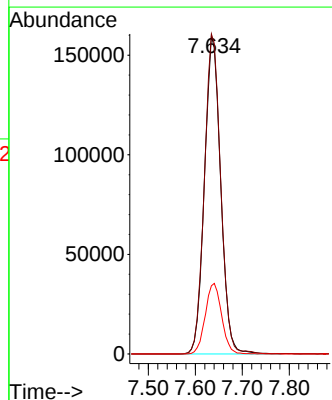
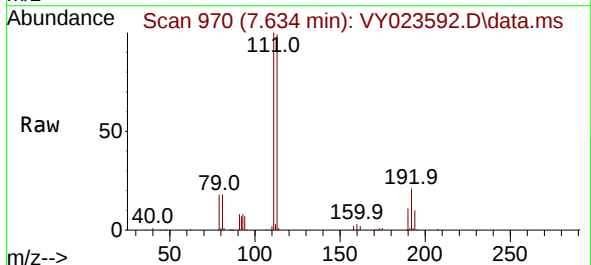
Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

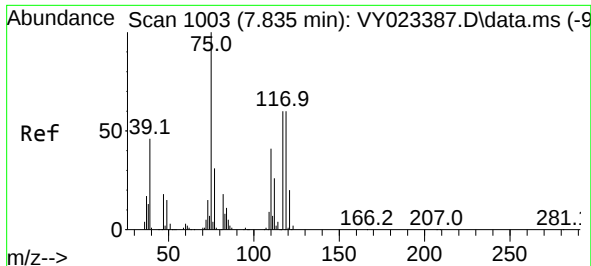
Tgt Ion:114 Resp: 1231218
Ion Ratio Lower Upper
114 100
63 17.0 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.342 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion:113 Resp: 380851
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 22.5 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.864 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY023592.D

Acq: 27 Oct 2025 12:30

Instrument :

MSVOA_Y

ClientSampleId :

B9-0.5-1.0-20251023

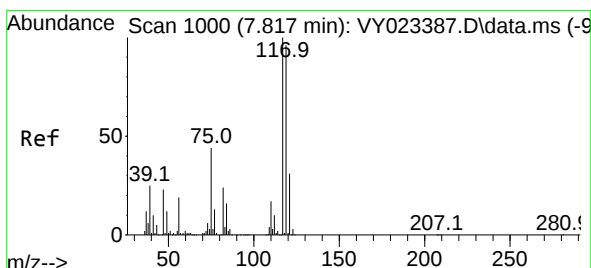
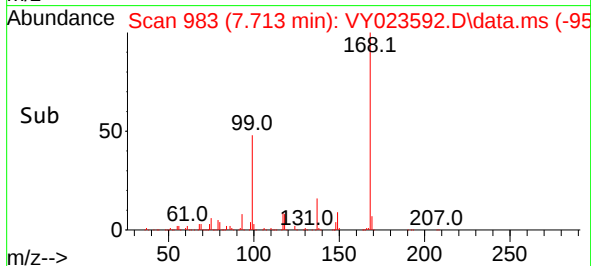
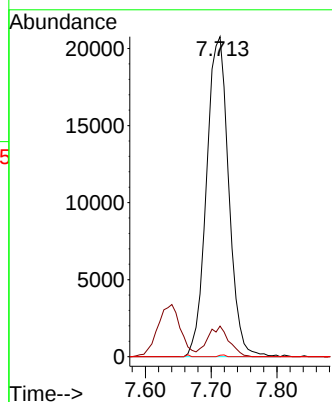
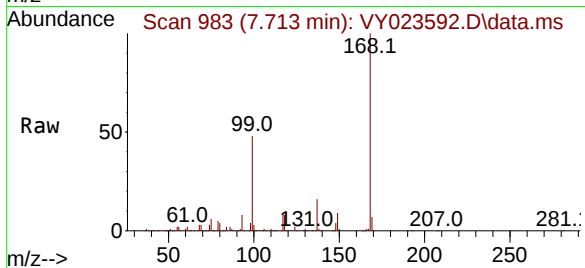
Tgt Ion: 75 Resp: 48718

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.544 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023592.D

Acq: 27 Oct 2025 12:30

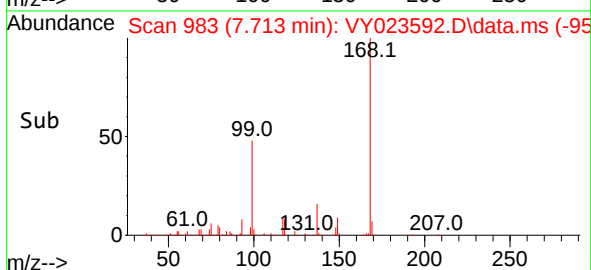
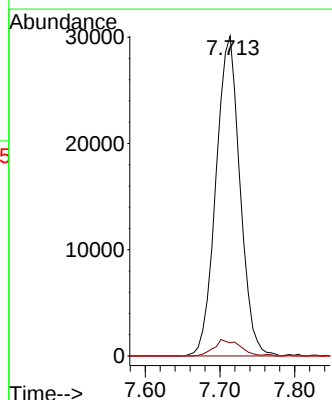
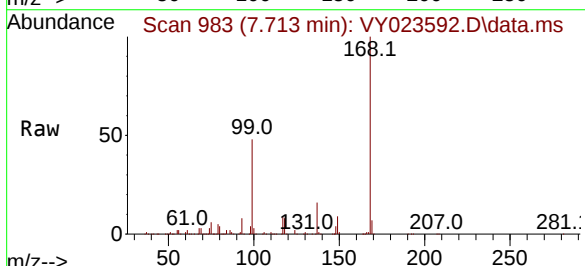
Tgt Ion: 117 Resp: 67326

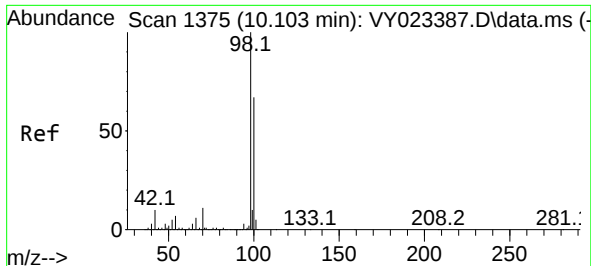
Ion Ratio Lower Upper

117 100

119 4.1 76.8 115.2#

121 0.0 24.5 36.7#

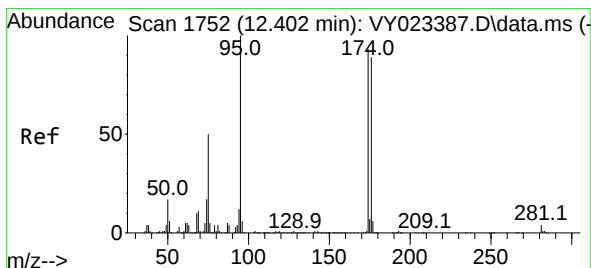
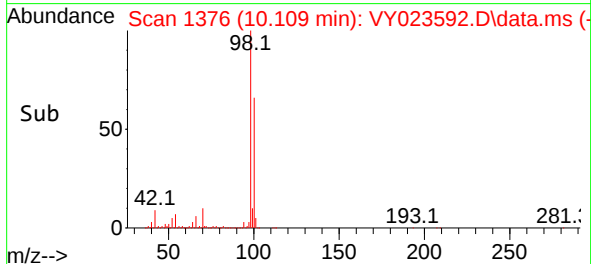
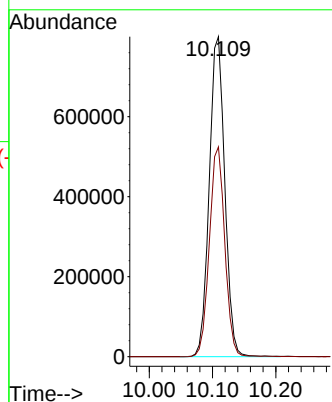
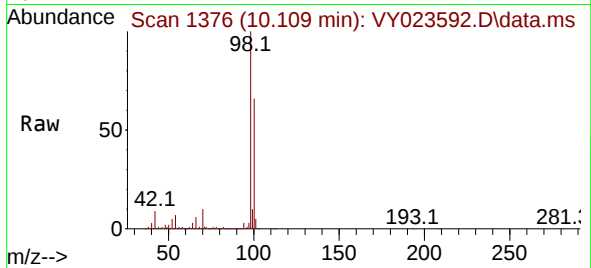




#50
Toluene-d8
Concen: 48.417 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

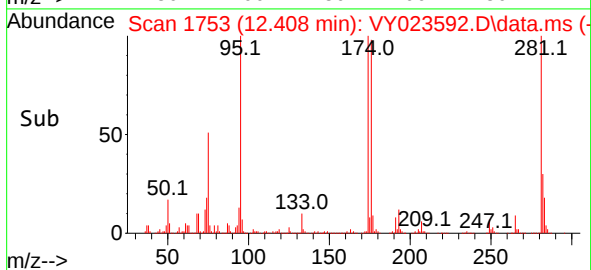
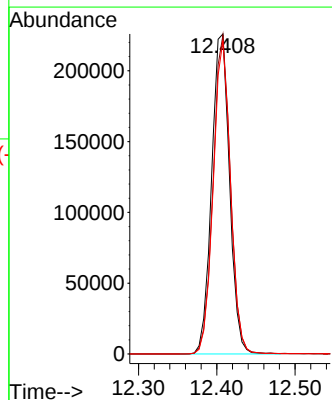
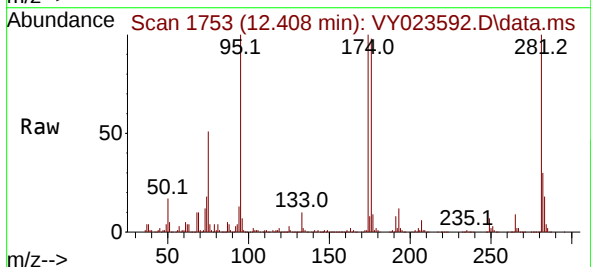
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B9-0.5-1.0-20251023

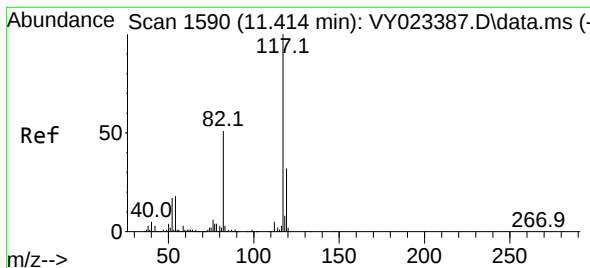
Tgt Ion: 98 Resp: 1364092
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 38.614 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion: 95 Resp: 359173
Ion Ratio Lower Upper
95 100
174 96.5 0.0 192.8
176 94.2 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023592.D

Acq: 27 Oct 2025 12:30

Instrument :

MSVOA_Y

ClientSampleId :

B9-0.5-1.0-20251023

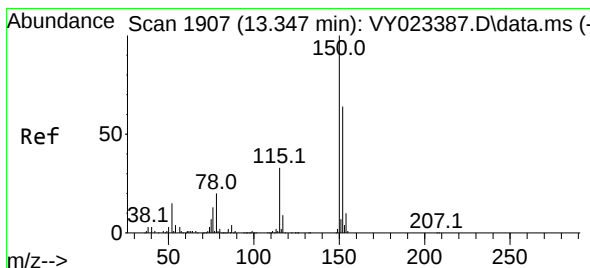
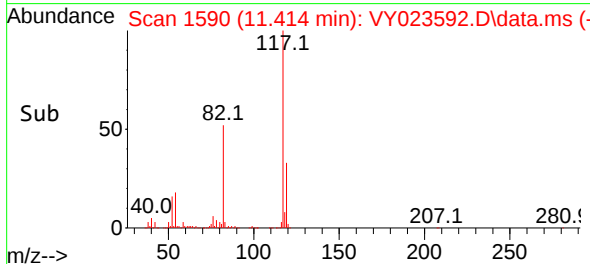
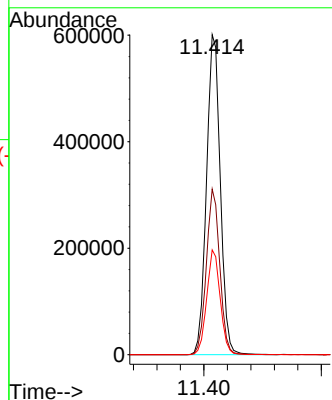
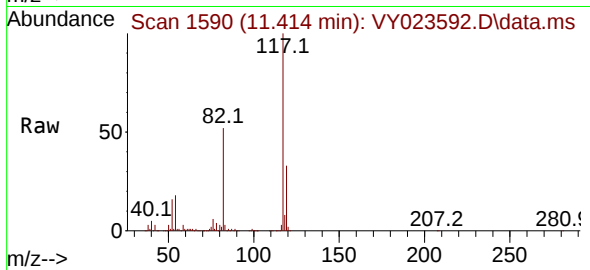
Tgt Ion:117 Resp: 979970

Ion Ratio Lower Upper

117 100

82 51.7 41.0 61.4

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023592.D

Acq: 27 Oct 2025 12:30

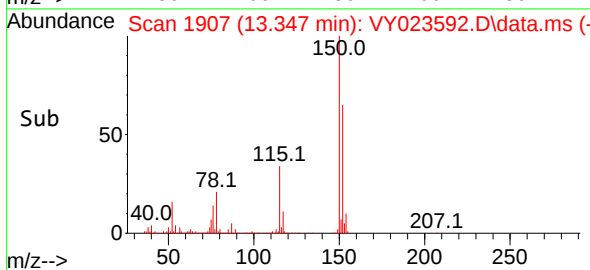
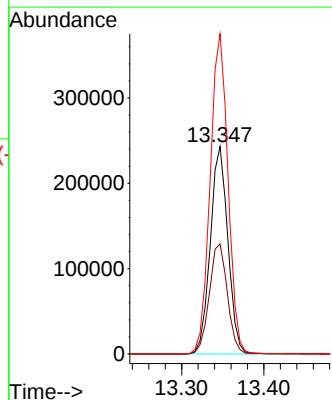
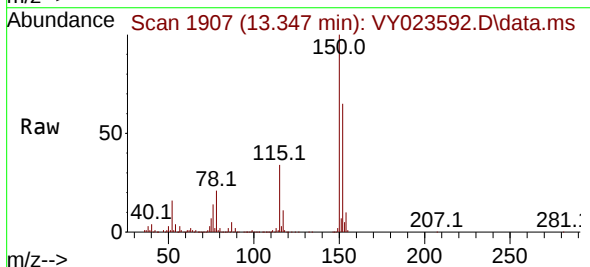
Tgt Ion:152 Resp: 361763

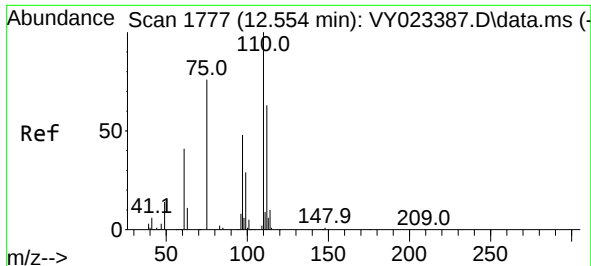
Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 156.6 0.0 347.4

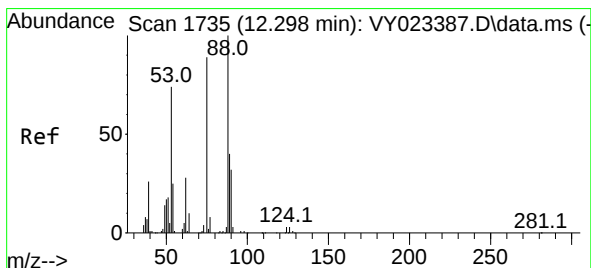
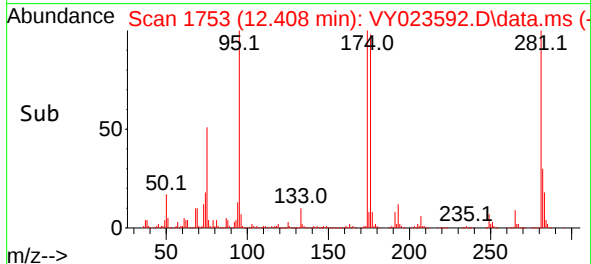
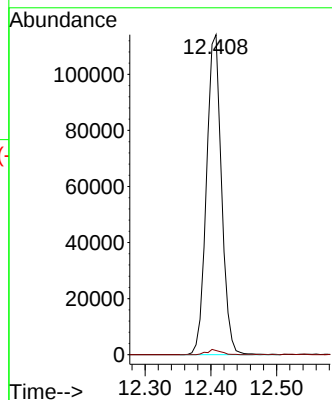
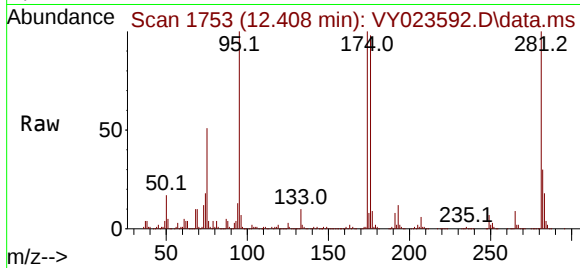




#76
 1,2,3-Trichloropropane
 Concen: 56.787 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023592.D
 Acq: 27 Oct 2025 12:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 B9-0.5-1.0-20251023

Tgt Ion: 75 Resp: 181248
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.253 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.110 min
 Lab File: VY023592.D
 Acq: 27 Oct 2025 12:30

Tgt Ion: 75 Resp: 181248
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 1.3 39.0 58.4#

