

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023591.D
 Acq On : 27 Oct 2025 12:07
 Operator : SY/MD
 Sample : Q3466-01
 Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B8-0.5-1.0-20251023

Quant Time: Oct 28 04:38:44 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)

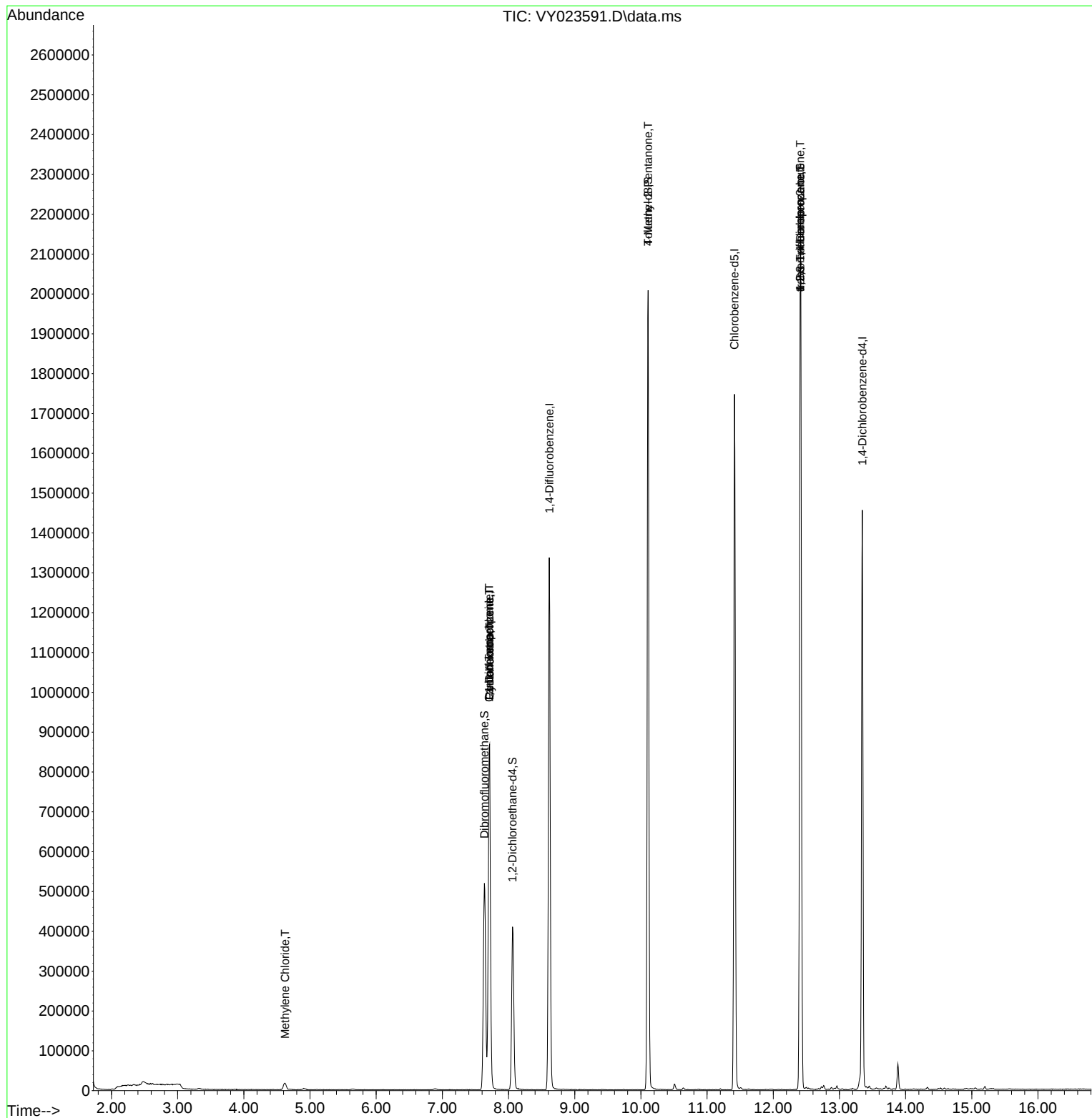
Internal Standards						
1) Pentafluorobenzene	7.713	168	731403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1204392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	997355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	320975	52.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.960%	
35) Dibromofluoromethane	7.634	113	376712	50.904	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.800%	
50) Toluene-d8	10.109	98	1353397	49.108	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.220%	
62) 4-Bromofluorobenzene	12.408	95	379541	41.713	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.420%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	13853	1.759	ug/l	96
31) Cyclohexane	7.713	56	11842	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	46895	4.786	ug/l #	47
38) Carbon Tetrachloride	7.707	117	65068	5.477	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	5021	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	190666	55.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	190666	134.890	ug/l #	15

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

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B8-0.5-1.0-20251023

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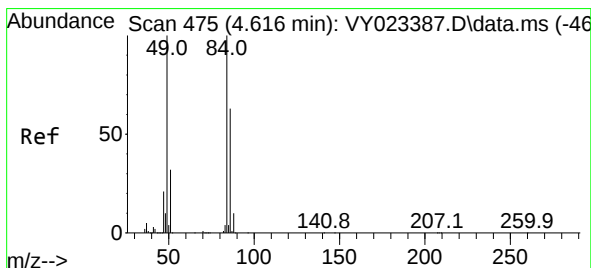
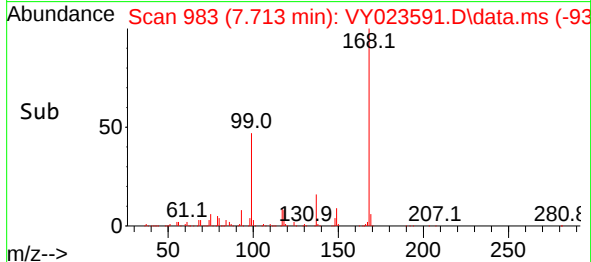
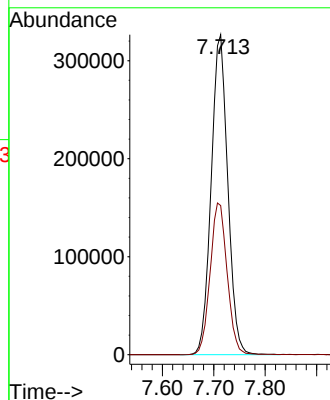
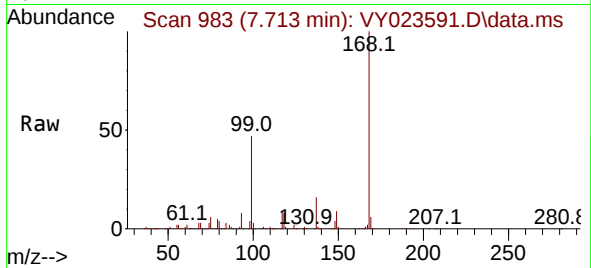




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

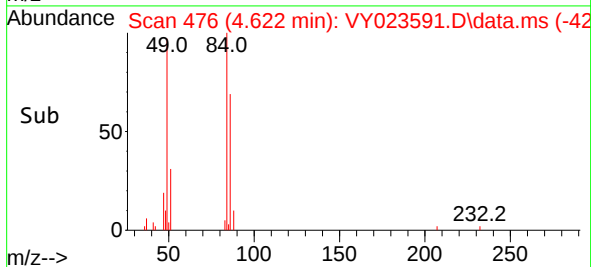
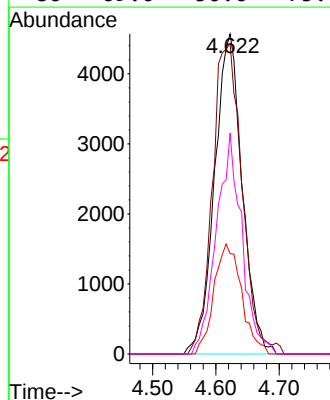
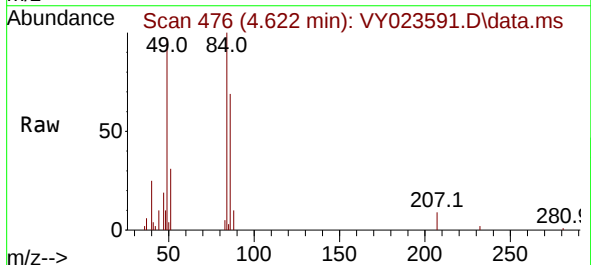
Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

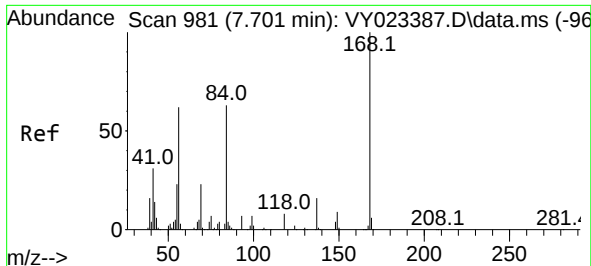
Tgt Ion:168 Resp: 731403
Ion Ratio Lower Upper
168 100
99 46.6 39.7 59.5



#20
Methylene Chloride
Concen: 1.759 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 84 Resp: 13853
Ion Ratio Lower Upper
84 100
49 97.0 80.2 120.4
51 31.4 25.9 38.9
86 69.0 50.6 75.8

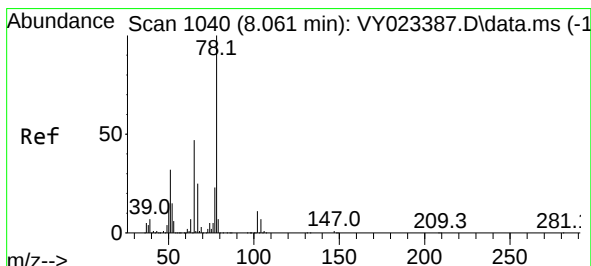
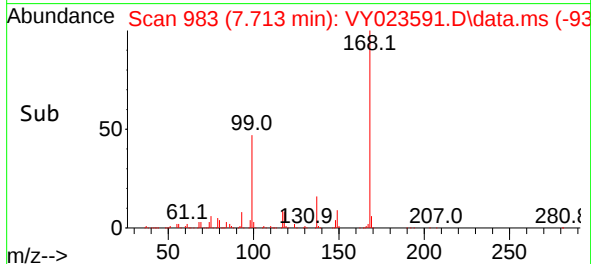
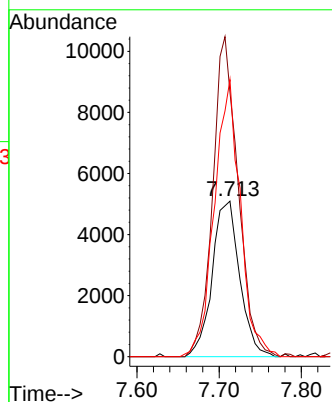
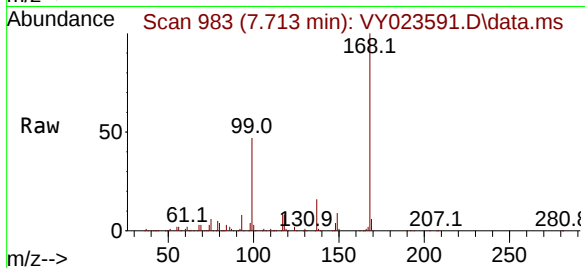




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

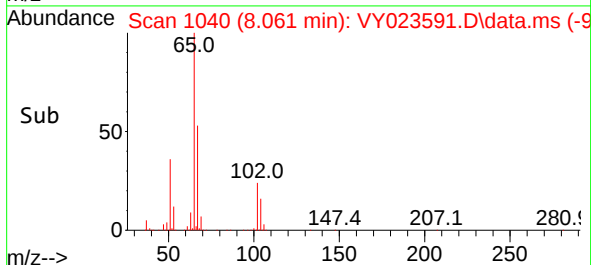
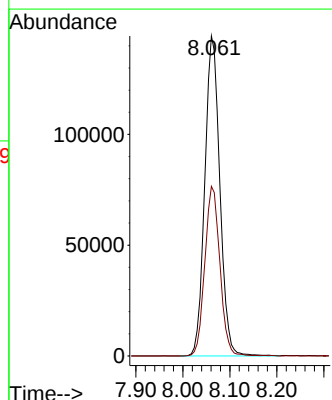
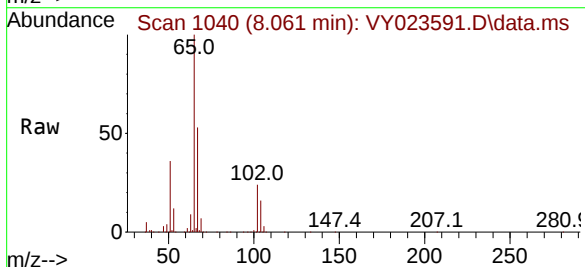
Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

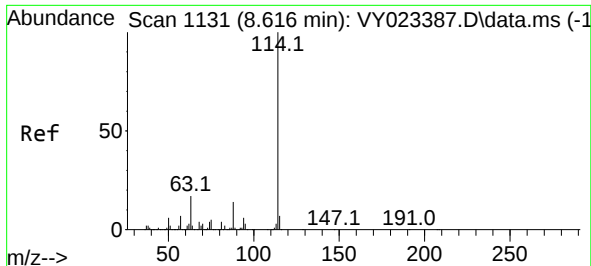
Tgt Ion: 56 Resp: 11842
Ion Ratio Lower Upper
56 100
69 170.0 30.0 45.0#
84 178.2 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 52.480 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 65 Resp: 320975
Ion Ratio Lower Upper
65 100
67 53.1 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: VY023591.D

Acq: 27 Oct 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

B8-0.5-1.0-20251023

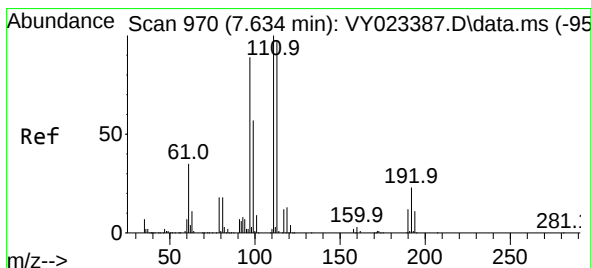
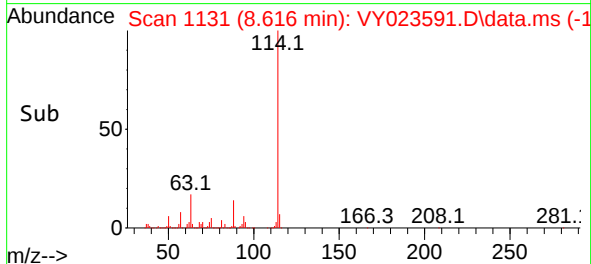
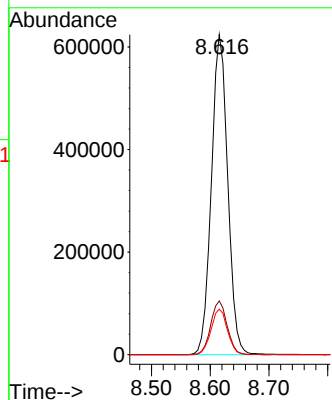
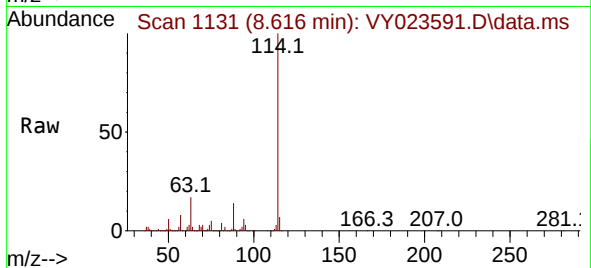
Tgt Ion:114 Resp: 1204392

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.2 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.904 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023591.D

Acq: 27 Oct 2025 12:07

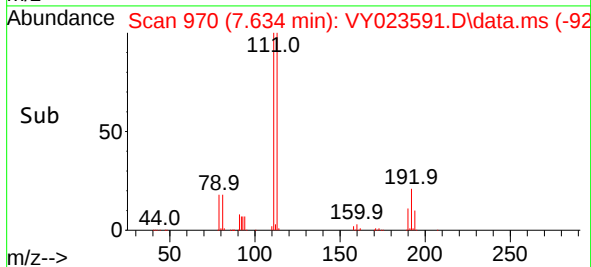
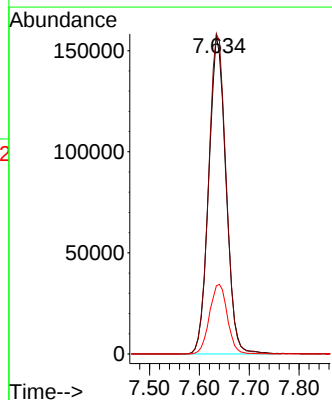
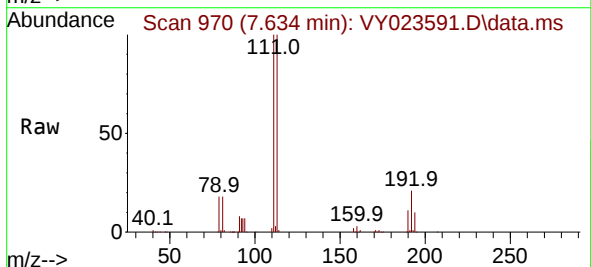
Tgt Ion:113 Resp: 376712

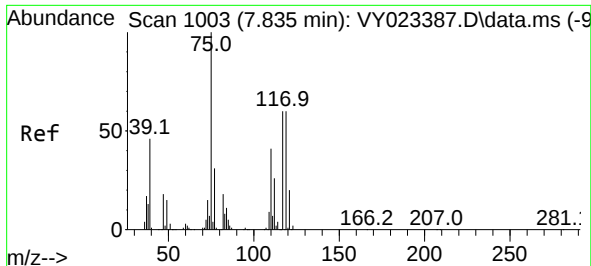
Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

192 22.7 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.786 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023591.D

Acq: 27 Oct 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

B8-0.5-1.0-20251023

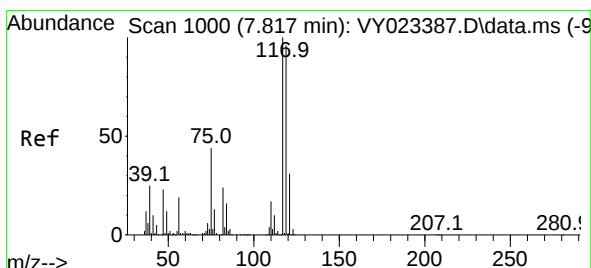
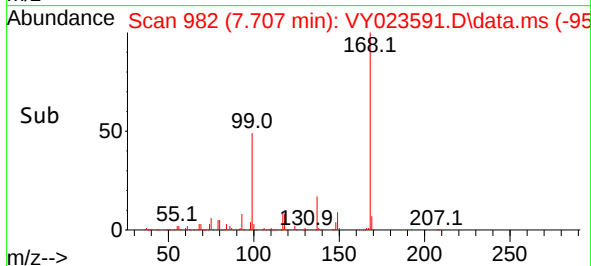
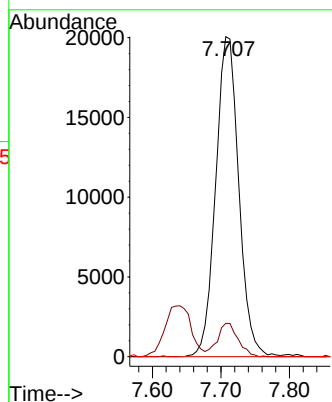
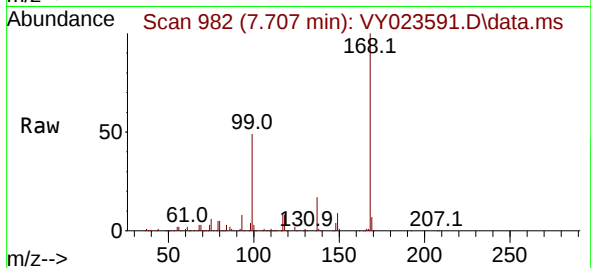
Tgt Ion: 75 Resp: 46895

Ion Ratio Lower Upper

75 100

110 9.4 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.477 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023591.D

Acq: 27 Oct 2025 12:07

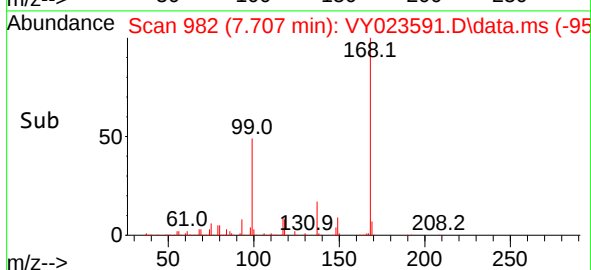
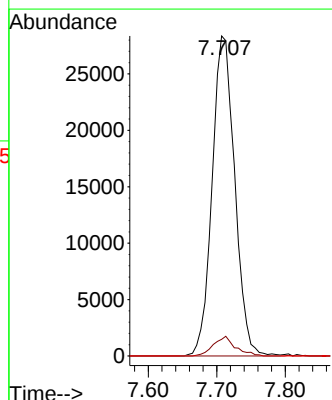
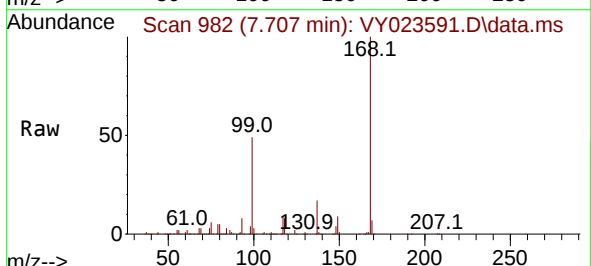
Tgt Ion: 117 Resp: 65068

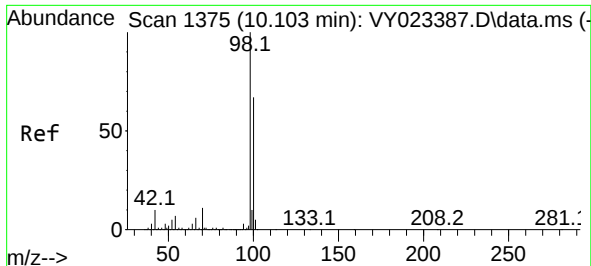
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.5 36.7#

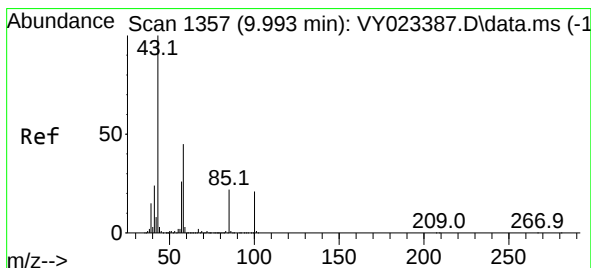
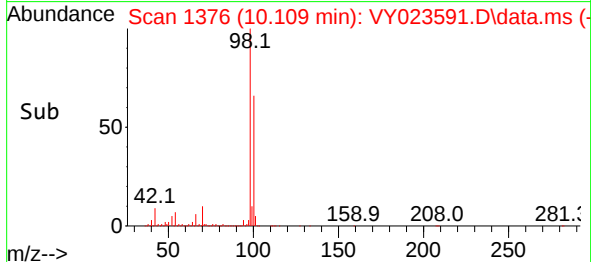
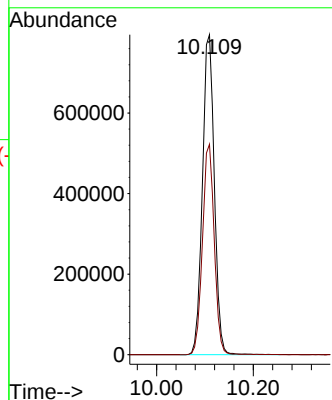
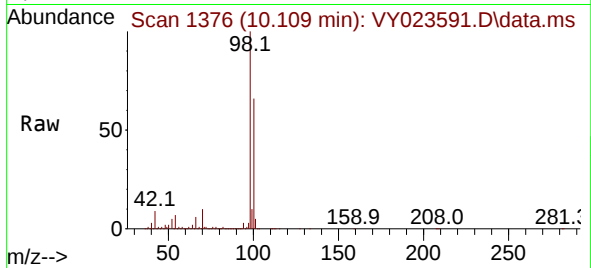




#50
Toluene-d8
Concen: 49.108 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

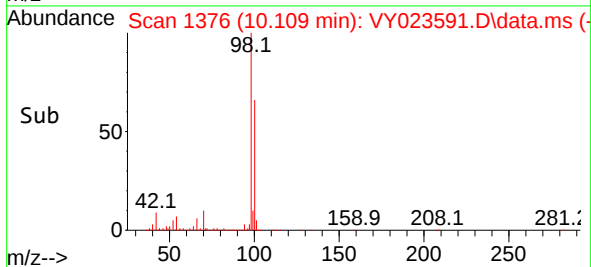
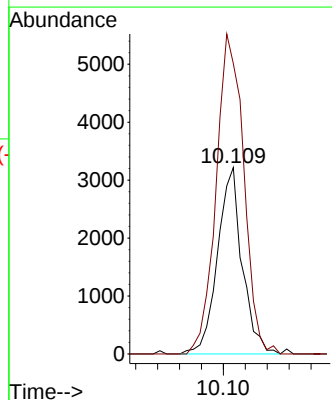
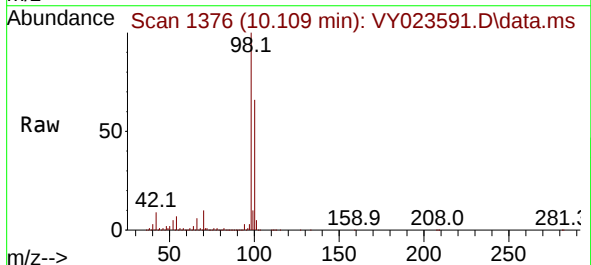
Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

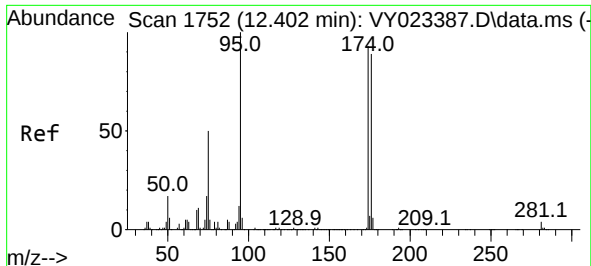
Tgt Ion: 98 Resp: 1353397
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 43 Resp: 5021
Ion Ratio Lower Upper
43 100
58 192.1 35.3 52.9

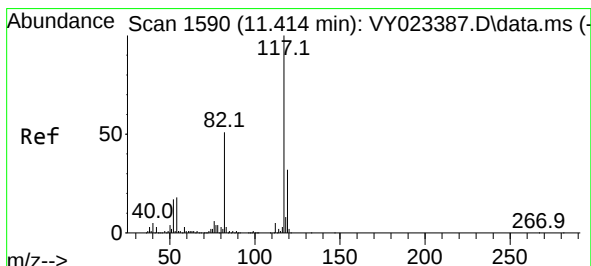
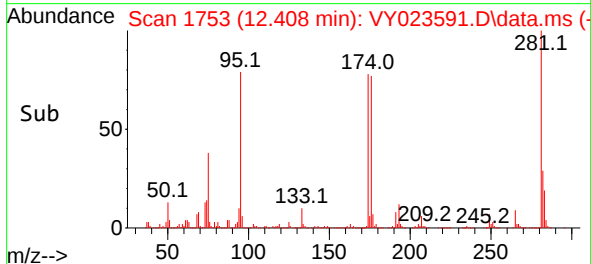
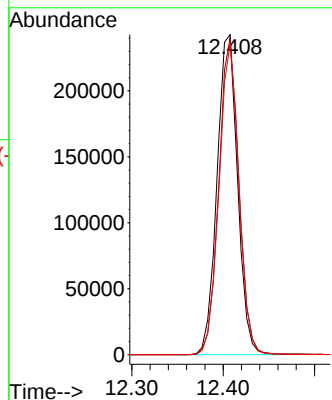
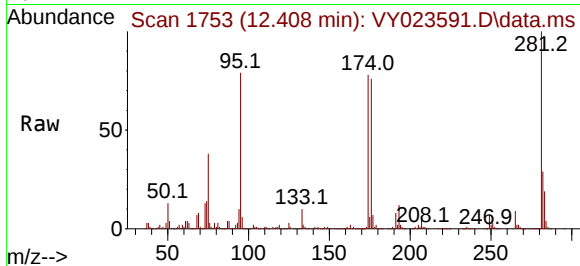




#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

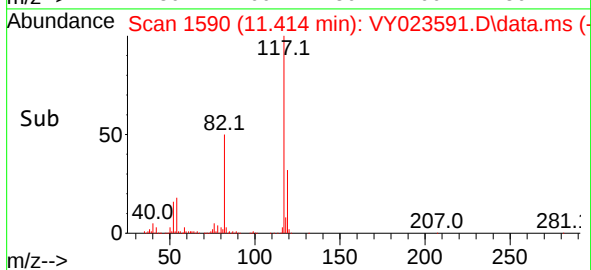
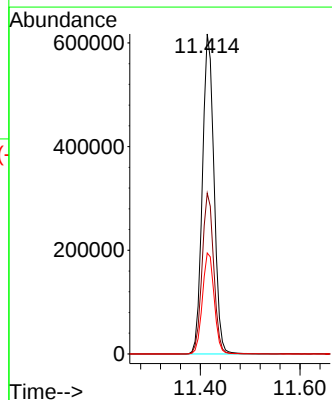
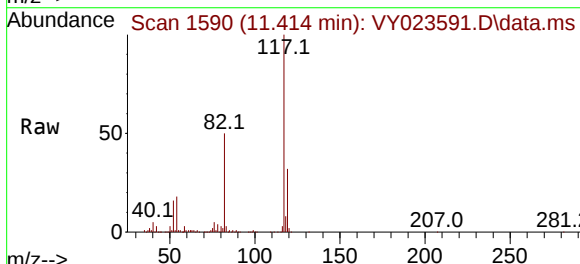
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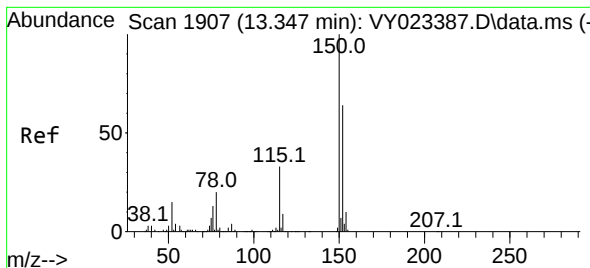
Tgt Ion: 95 Resp: 379541
Ion Ratio Lower Upper
95 100
174 96.2 0.0 192.8
176 94.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 117 Resp: 997355
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023591.D

Acq: 27 Oct 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

B8-0.5-1.0-20251023

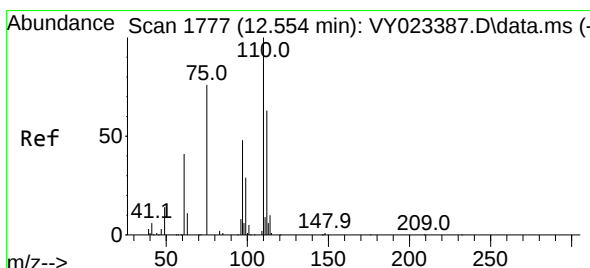
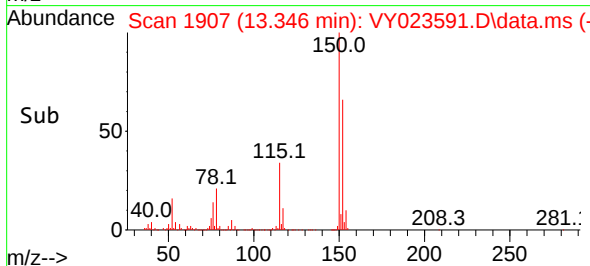
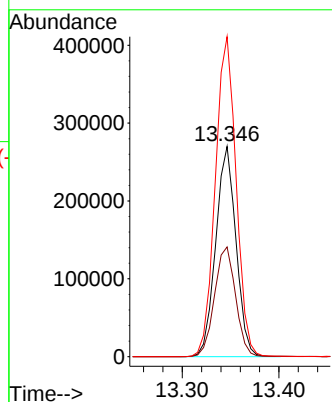
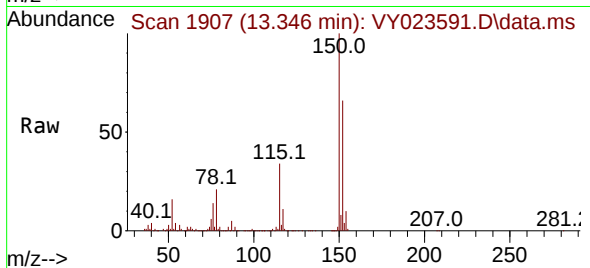
Tgt Ion:152 Resp: 392869

Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.2

150 156.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 55.008 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023591.D

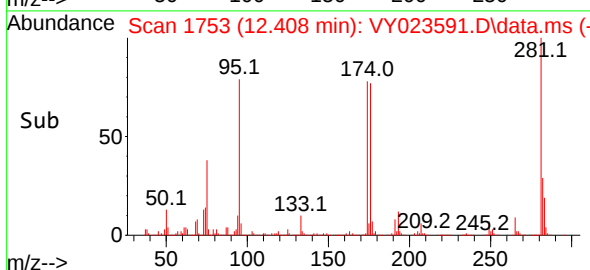
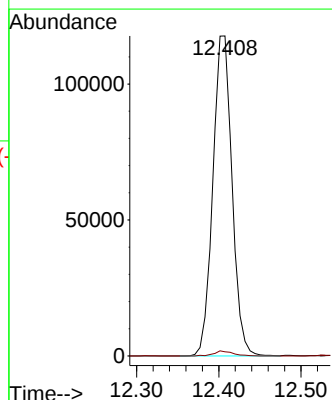
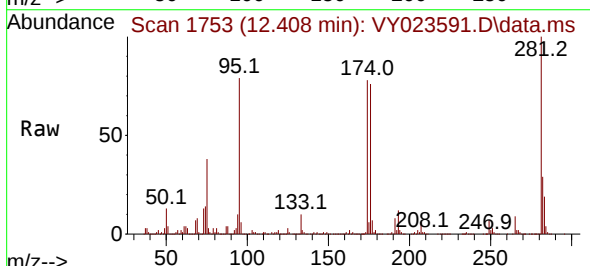
Acq: 27 Oct 2025 12:07

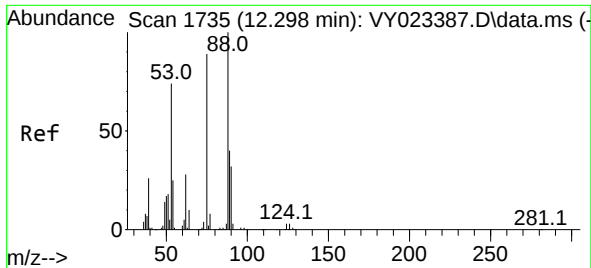
Tgt Ion: 75 Resp: 190666

Ion Ratio Lower Upper

75 100

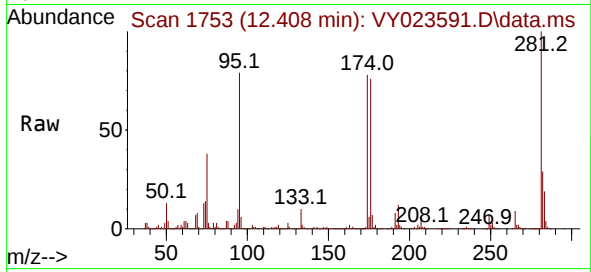
77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 134.890 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023



Tgt Ion: 75 Resp: 190666
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 1.5 39.0 58.4#

