

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023564.D
 Acq On : 24 Oct 2025 11:21
 Operator : SY/MD
 Sample : Q3413-01
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-184-GW-980-982

Quant Time: Oct 24 23:49:28 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)

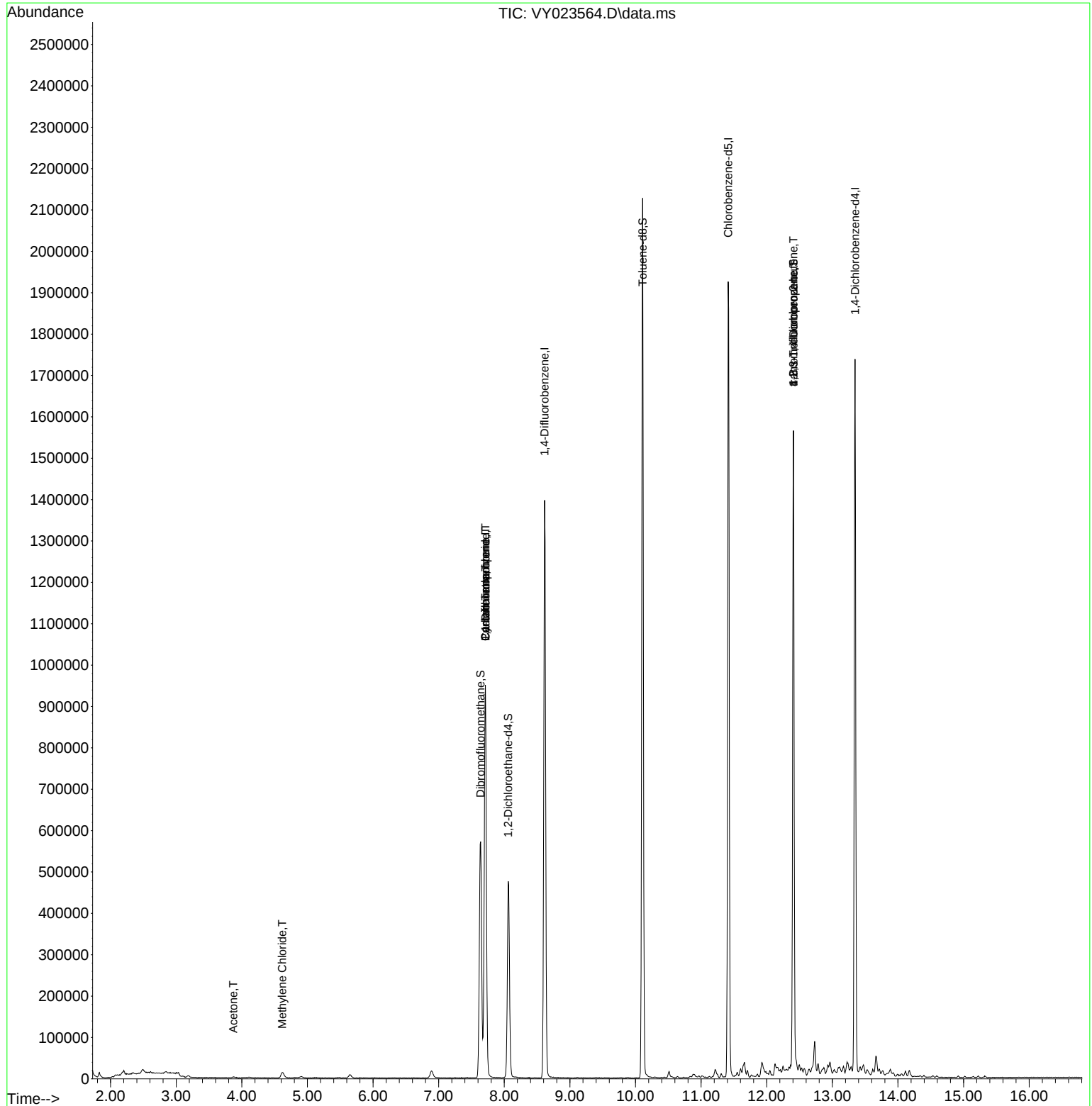
Internal Standards						
1) Pentafluorobenzene	7.713	168	812743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1310630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1133524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	486654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	369964	54.436	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.880%	
35) Dibromofluoromethane	7.640	113	418712	51.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.980%	
50) Toluene-d8	10.109	98	1455594	48.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.060%	
62) 4-Bromofluorobenzene	12.407	95	455763	46.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.060%	
Target Compounds						Qvalue
16) Acetone	3.872	43	3540	2.188	ug/l	100
20) Methylene Chloride	4.616	84	10987	1.256	ug/l	94
31) Cyclohexane	7.713	56	12637	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50146	4.703	ug/l #	48
38) Carbon Tetrachloride	7.713	117	71653	5.543	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	215812	50.264	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	215812	123.256	ug/l #	15

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

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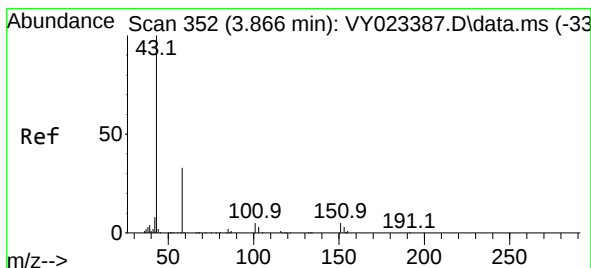
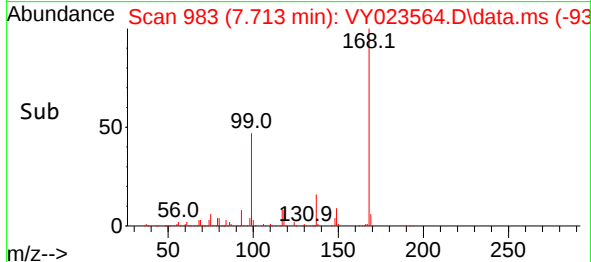
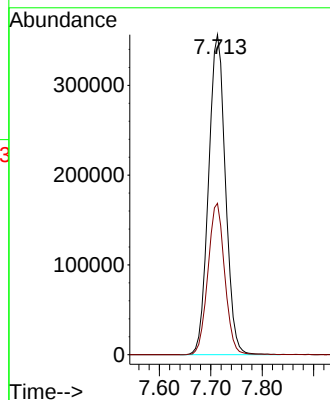
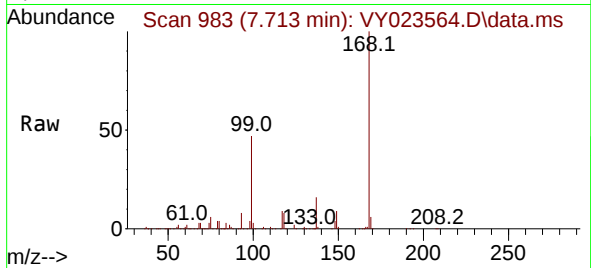




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

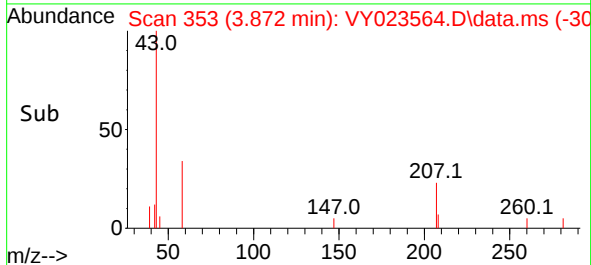
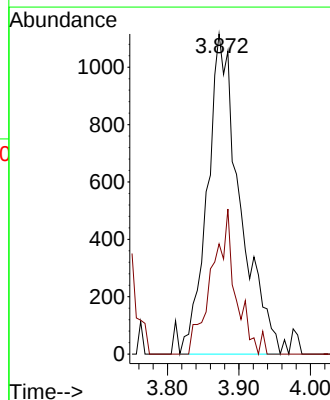
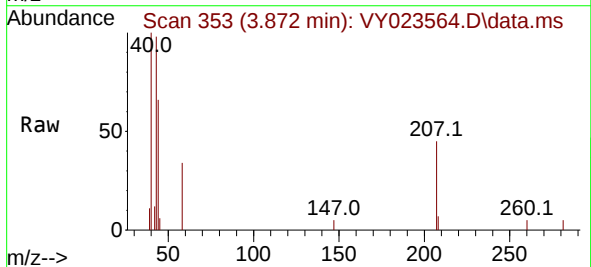
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

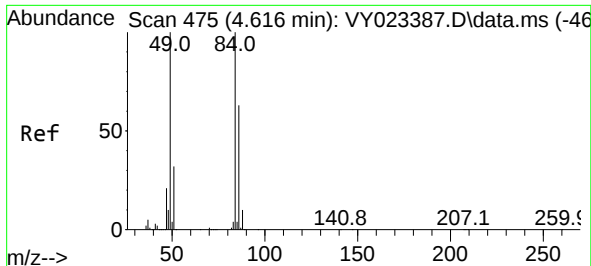
Tgt Ion:168 Resp: 812743
Ion Ratio Lower Upper
168 100
99 47.3 39.7 59.5



#16
Acetone
Concen: 2.188 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

Tgt Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
58 34.4 27.7 41.5

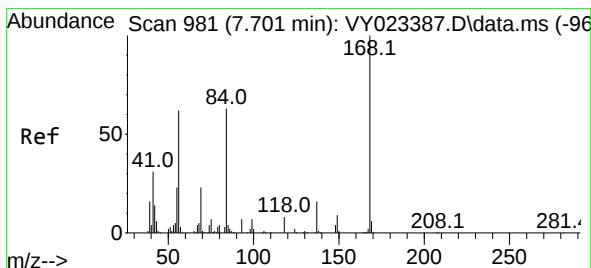
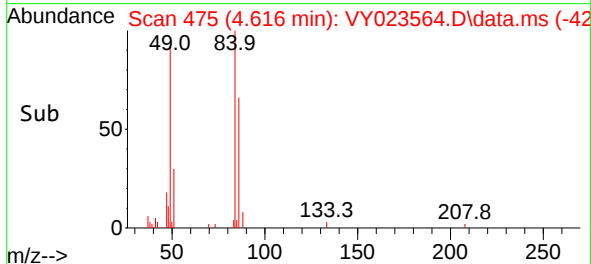
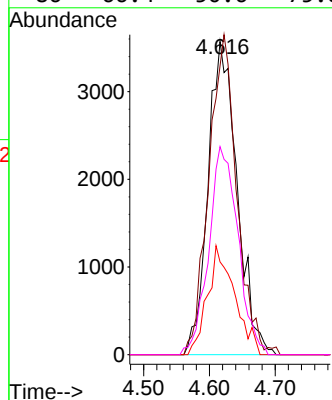
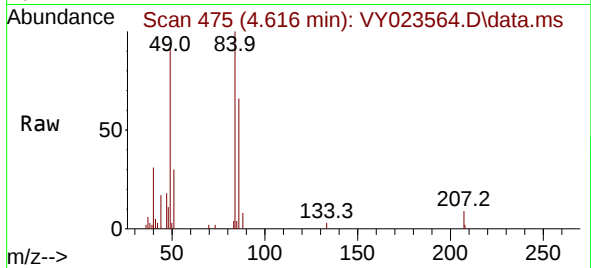




#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

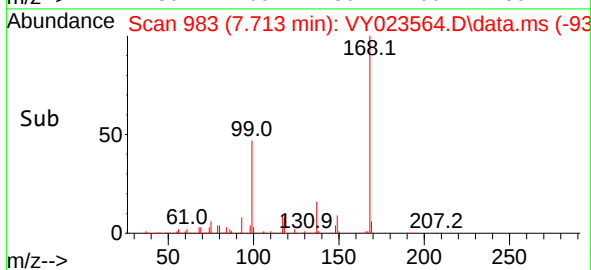
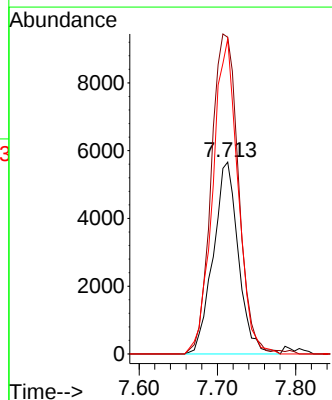
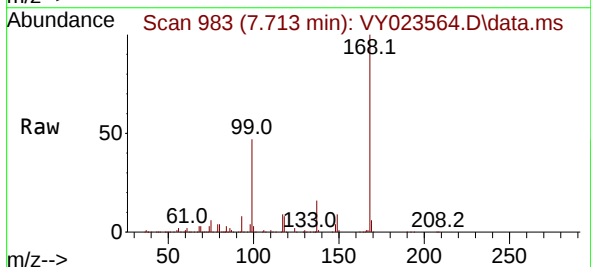
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

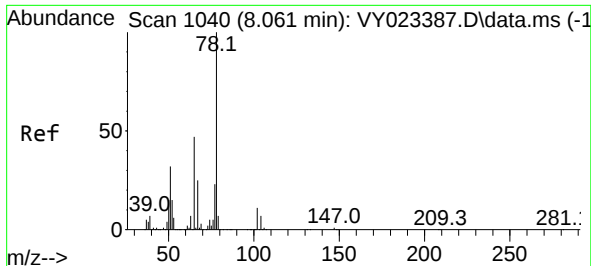
Tgt Ion:	84	Resp:	10987
Ion	Ratio	Lower	Upper
84	100		
49	92.2	80.2	120.4
51	29.6	25.9	38.9
86	66.4	50.6	75.8



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

Tgt Ion:	56	Resp:	12637
Ion	Ratio	Lower	Upper
56	100		
69	165.1	30.0	45.0#
84	164.3	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 54.436 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023564.D

Acq: 24 Oct 2025 11:21

Instrument :

MSVOA_Y

ClientSampleId :

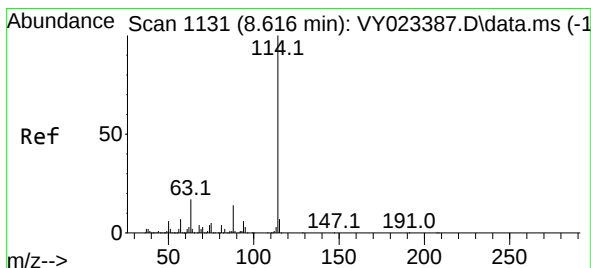
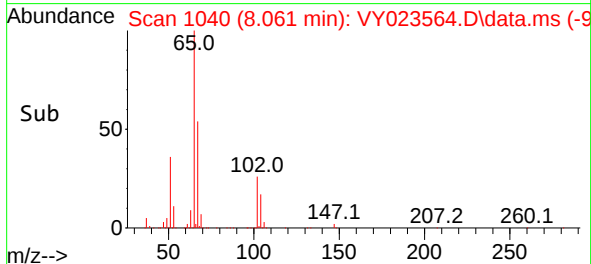
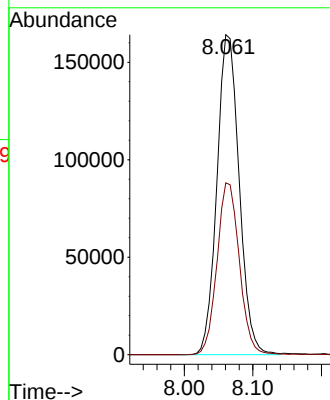
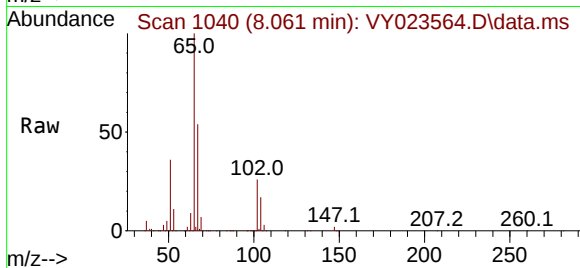
BP-VPB-184-GW-980-982

Tgt Ion: 65 Resp: 369964

Ion Ratio Lower Upper

65 100

67 53.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023564.D

Acq: 24 Oct 2025 11:21

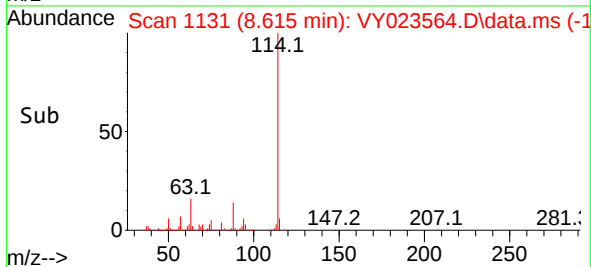
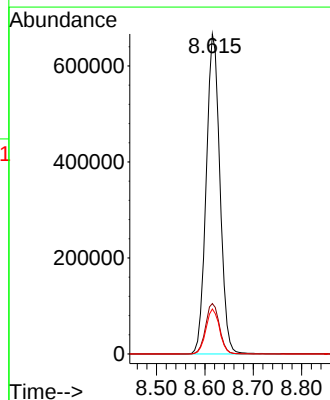
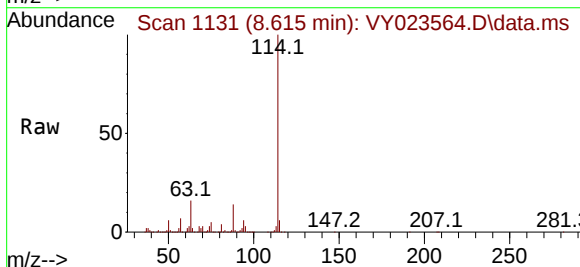
Tgt Ion:114 Resp: 1310630

Ion Ratio Lower Upper

114 100

63 15.7 0.0 34.2

88 14.1 0.0 28.4





#35

Dibromofluoromethane

Concen: 51.993 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023564.D

Acq: 24 Oct 2025 11:21

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-184-GW-980-982

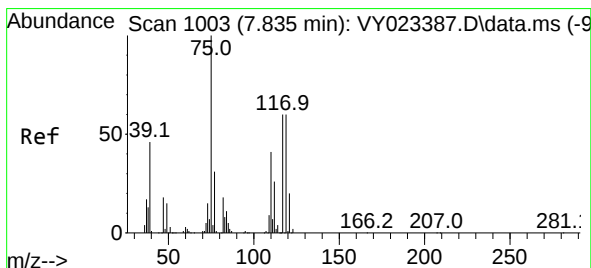
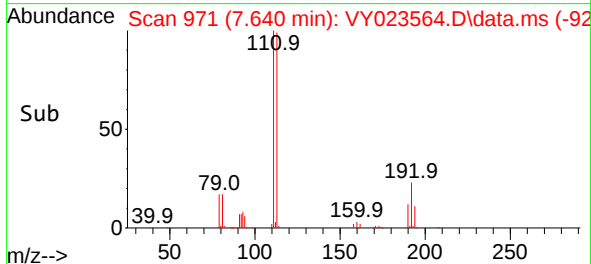
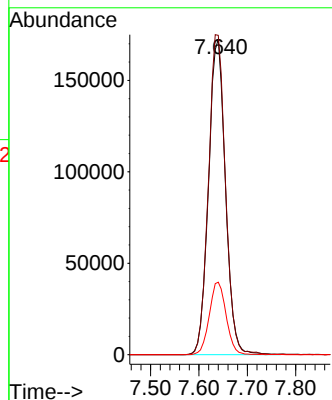
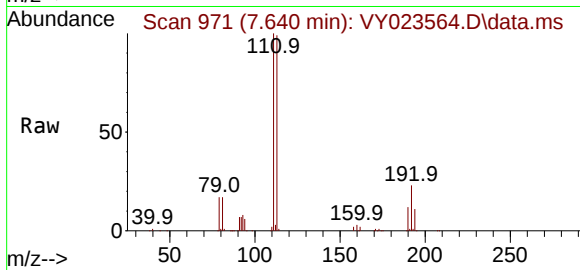
Tgt Ion:113 Resp: 418712

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 22.8 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023564.D

Acq: 24 Oct 2025 11:21

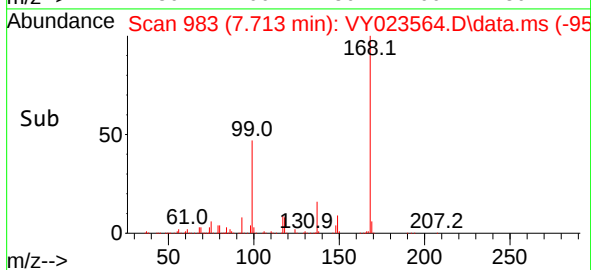
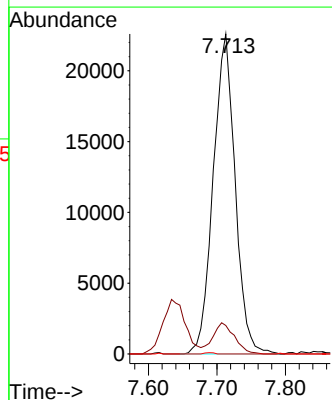
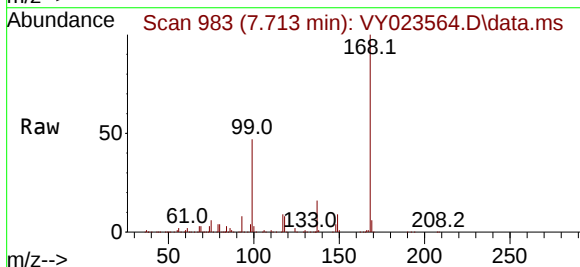
Tgt Ion: 75 Resp: 50146

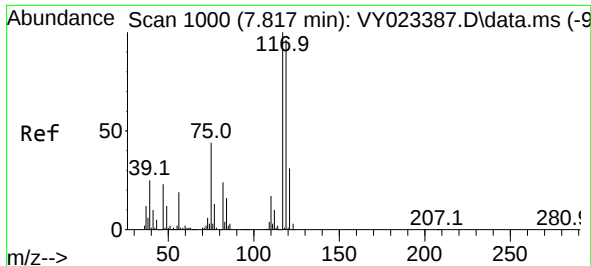
Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.7#

77 0.0 25.0 37.6#

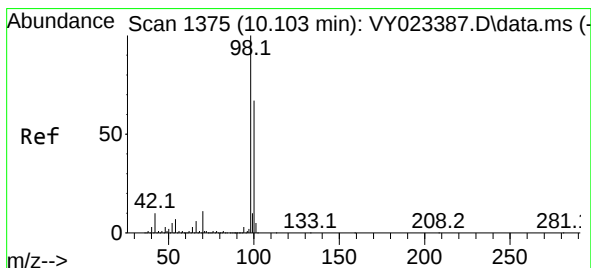
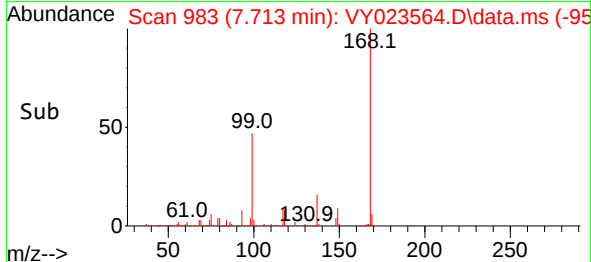
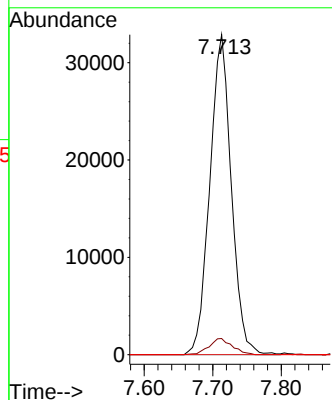
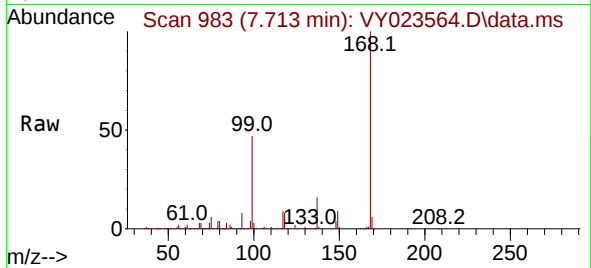




#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

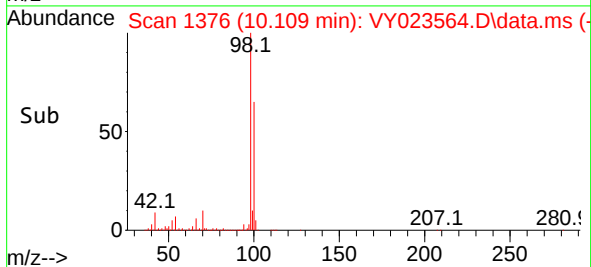
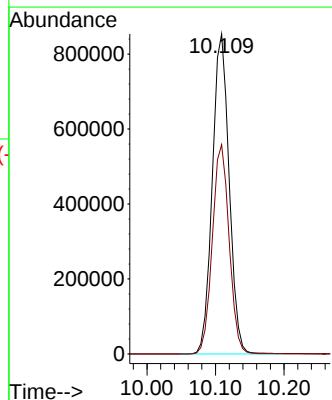
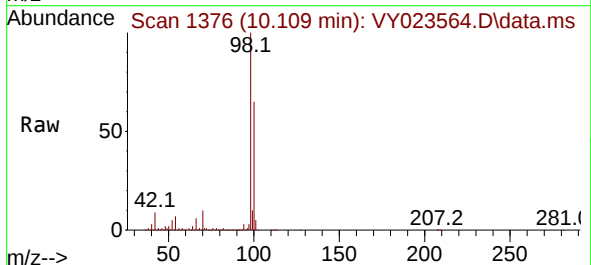
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

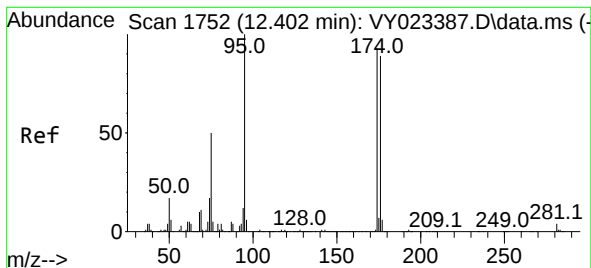
Tgt Ion:117 Resp: 71653
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.535 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

Tgt Ion: 98 Resp: 1455594
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 46.030 ug/l

RT: 12.407 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023564.D

Acq: 24 Oct 2025 11:21

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-184-GW-980-982

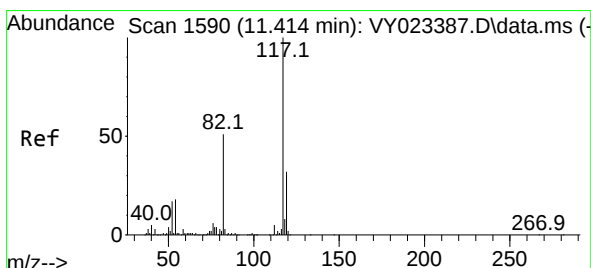
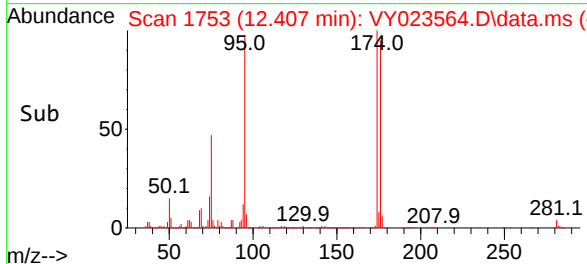
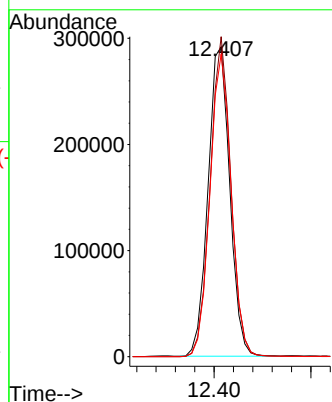
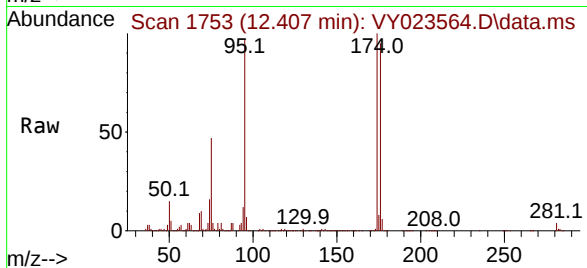
Tgt Ion: 95 Resp: 455763

Ion Ratio Lower Upper

95 100

174 98.7 0.0 192.8

176 95.5 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: VY023564.D

Acq: 24 Oct 2025 11:21

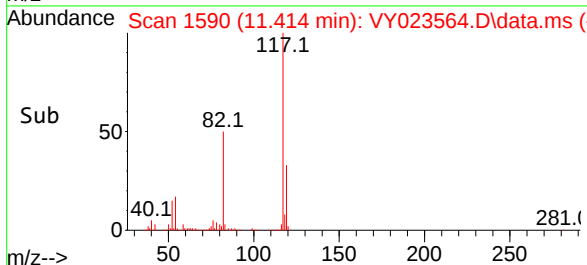
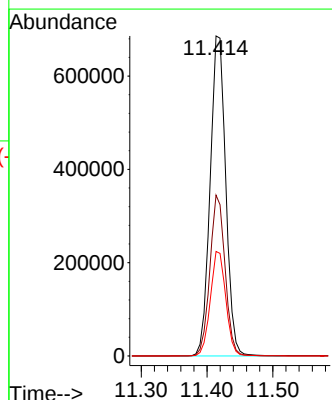
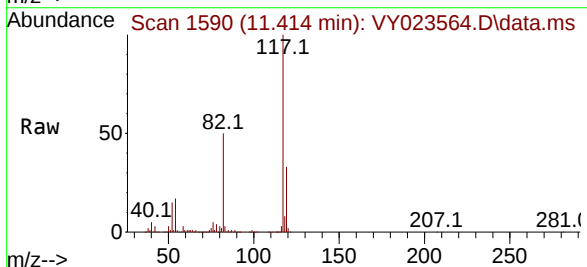
Tgt Ion: 117 Resp: 1133524

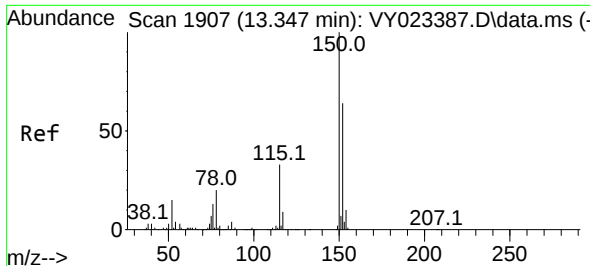
Ion Ratio Lower Upper

117 100

82 50.2 41.0 61.4

119 32.6 25.6 38.4

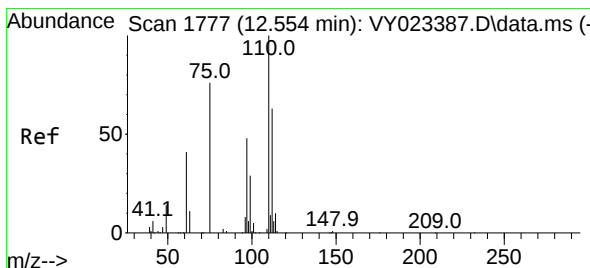
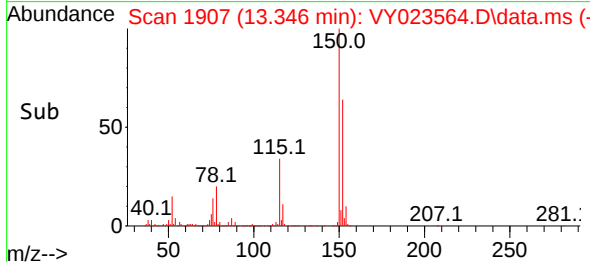
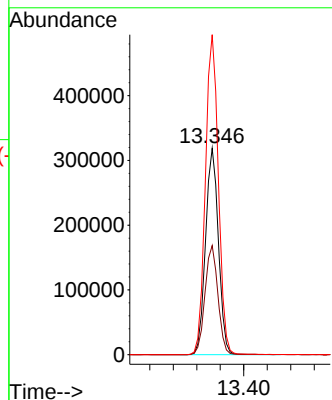
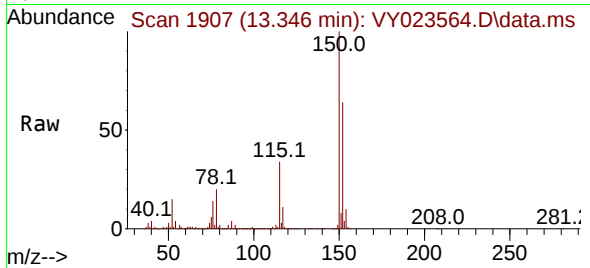




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023564.D
 Acq: 24 Oct 2025 11:21

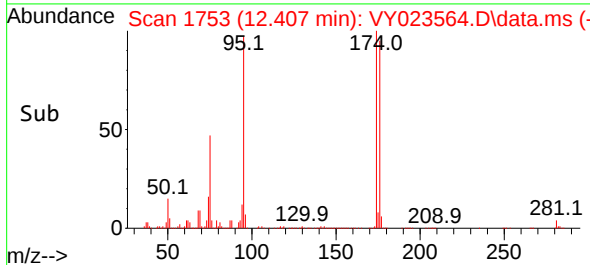
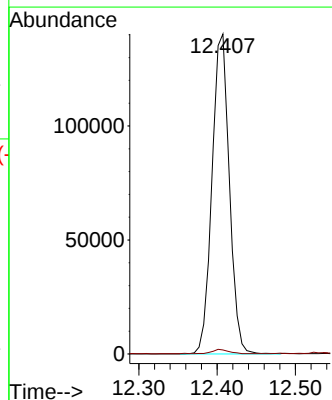
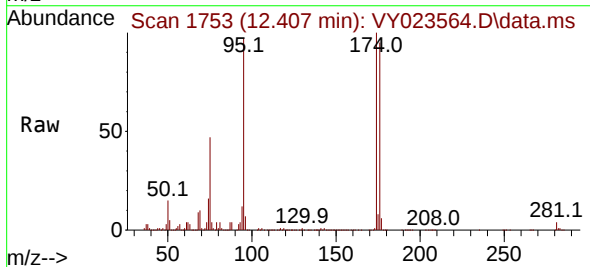
Instrument :
 MSVOA_Y
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 BP-VPB-184-GW-980-982

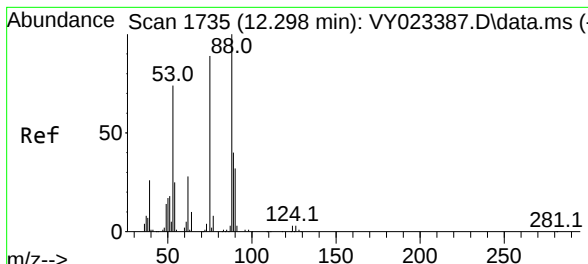
Tgt Ion:152 Resp: 486654
 Ion Ratio Lower Upper
 152 100
 115 53.0 27.1 81.2
 150 156.0 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 50.264 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY023564.D
 Acq: 24 Oct 2025 11:21

Tgt Ion: 75 Resp: 215812
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.256 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023564.D
 Acq: 24 Oct 2025 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-184-GW-980-982

Tgt Ion: 75 Resp: 215812
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

