

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023397.D
 Acq On : 08 Oct 2025 11:01
 Operator : SY/MD
 Sample : Q3133-05
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 09 03:09:35 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)

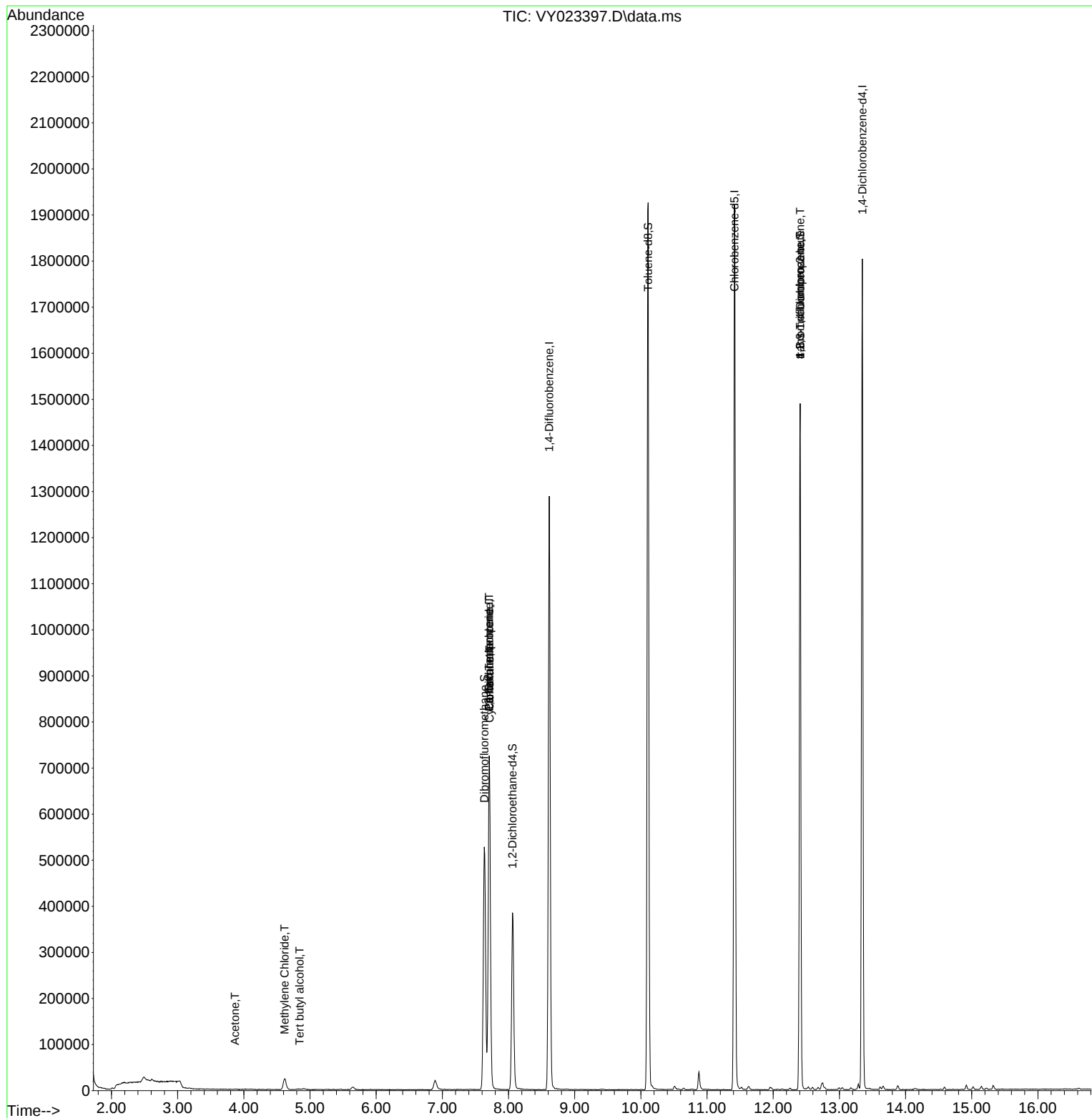
Internal Standards						
1) Pentafluorobenzene	7.707	168	618501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1154606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1098201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	487745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301919	58.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.760%	
35) Dibromofluoromethane	7.634	113	382070	53.854	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.700%	
50) Toluene-d8	10.109	98	1328901	50.298	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.600%	
62) 4-Bromofluorobenzene	12.408	95	443594	50.855	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1584	4.117	ug/l #	72
16) Acetone	3.866	43	1415	1.149	ug/l #	69
20) Methylene Chloride	4.616	84	20346	3.056	ug/l	94
31) Cyclohexane	7.713	56	10285	1.195	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	39024	4.155	ug/l #	48
38) Carbon Tetrachloride	7.707	117	56489	4.960	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	216857	50.394	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	216857	123.576	ug/l #	15

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

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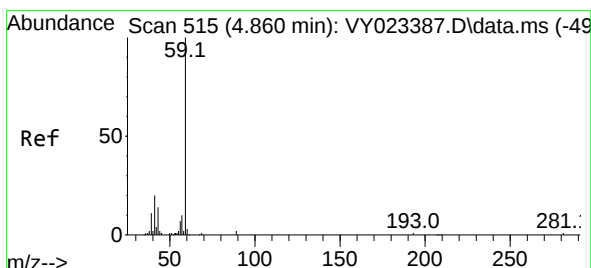
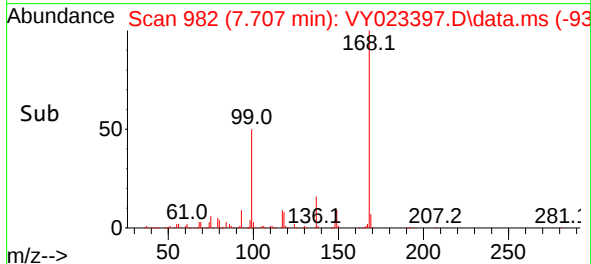
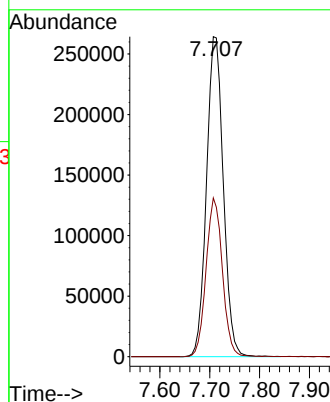
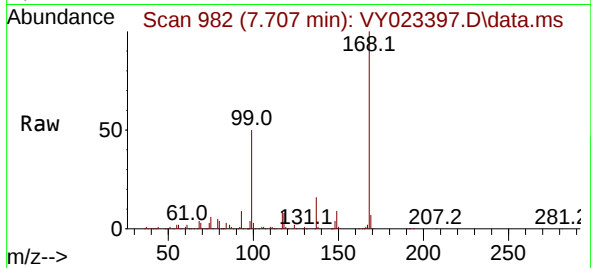




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

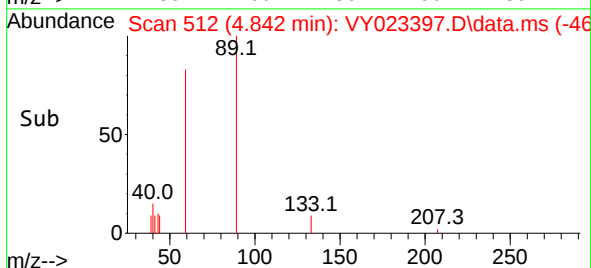
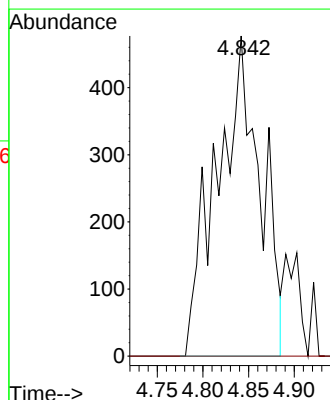
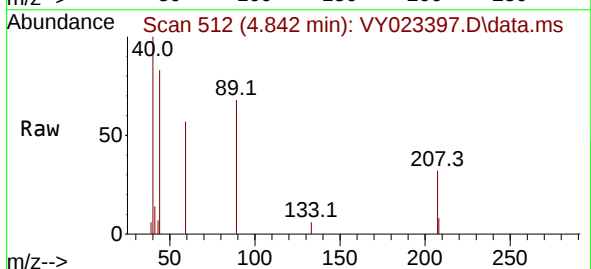
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

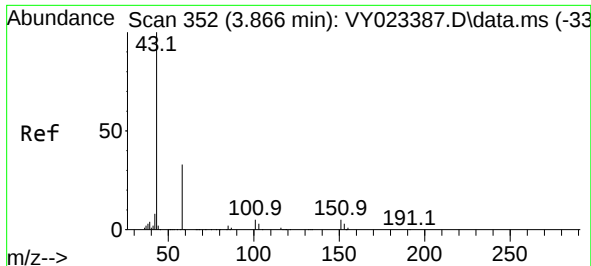
Tgt Ion:168 Resp: 618501
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 4.117 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

Tgt Ion: 59 Resp: 1584
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

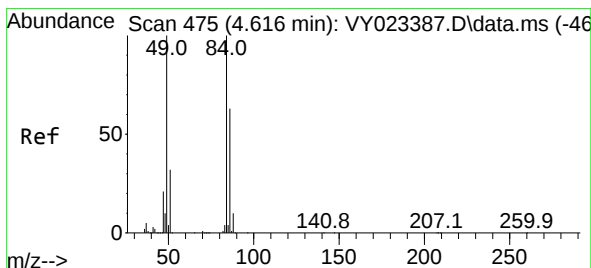
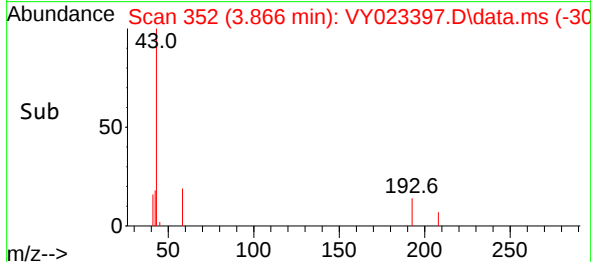
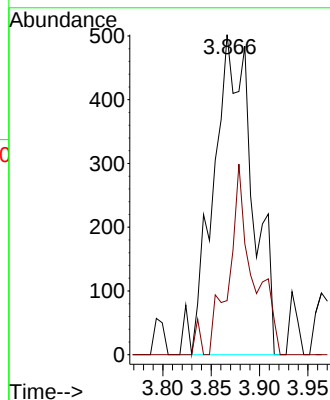
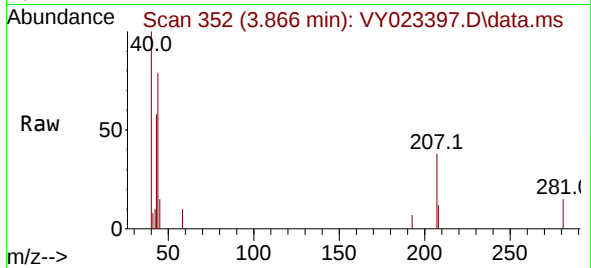




#16
Acetone
Concen: 1.149 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

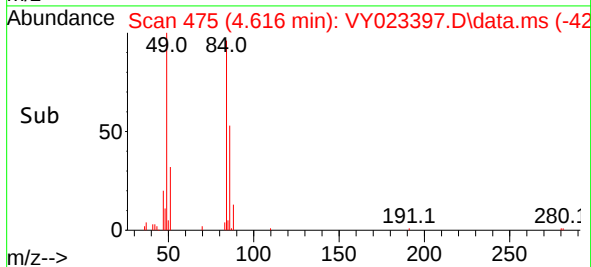
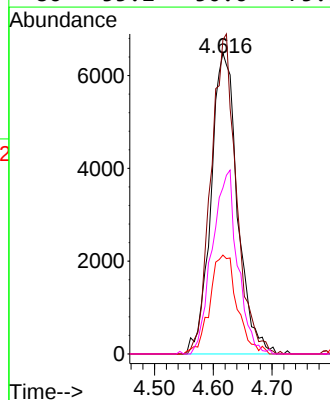
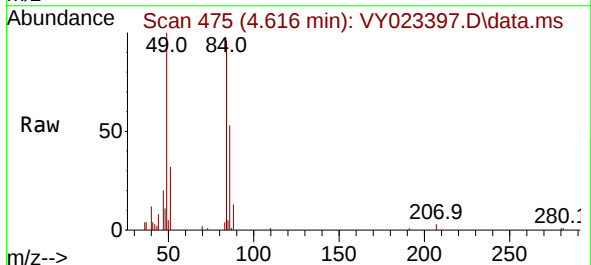
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 16.9 27.7 41.5#



#20
Methylene Chloride
Concen: 3.056 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

Tgt Ion: 84 Resp: 20346
Ion Ratio Lower Upper
84 100
49 104.4 80.2 120.4
51 32.9 25.9 38.9
86 55.2 50.6 75.8

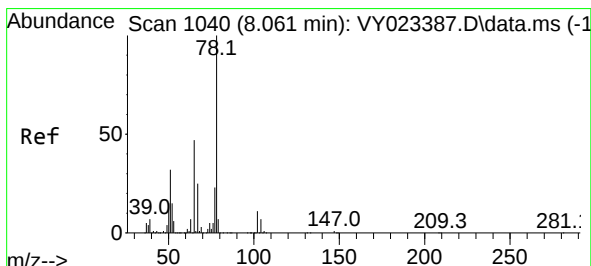
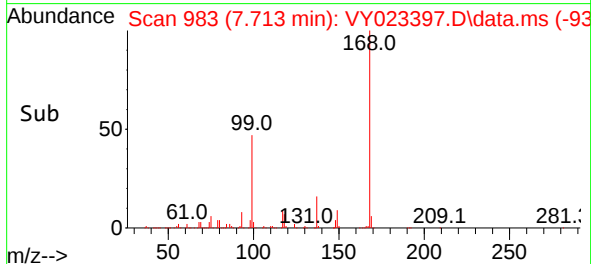
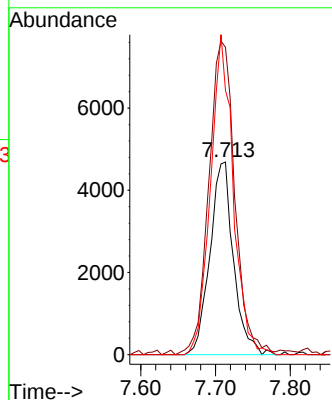
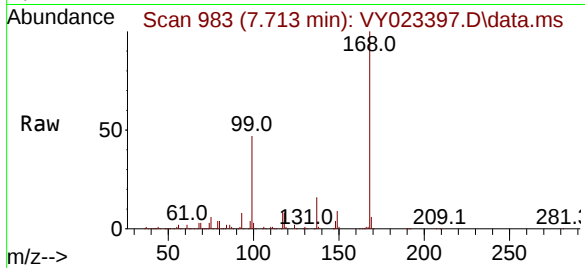




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

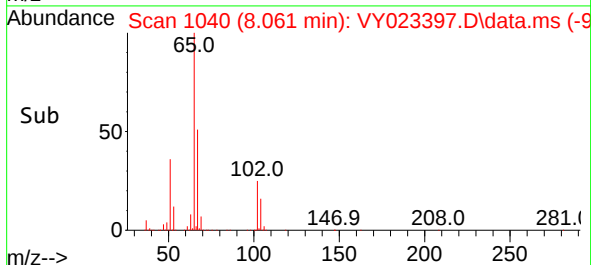
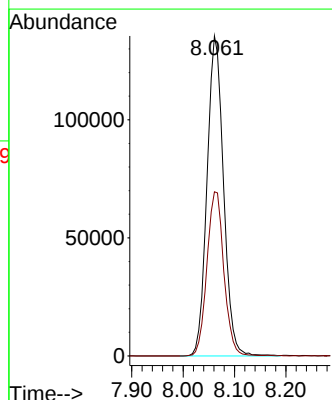
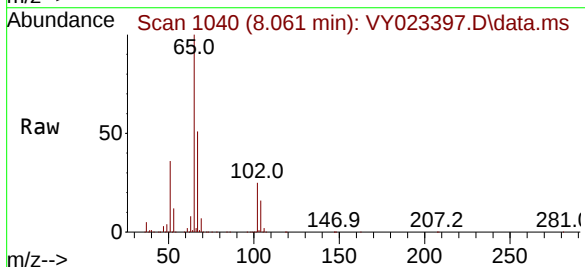
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

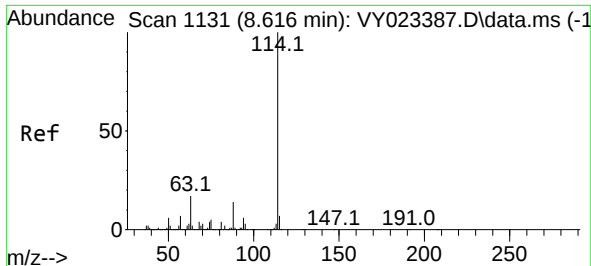
Tgt Ion: 56 Resp: 10285
Ion Ratio Lower Upper
56 100
69 158.2 30.0 45.0#
84 137.1 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 58.376 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

Tgt Ion: 65 Resp: 301919
Ion Ratio Lower Upper
65 100
67 52.6 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: VY023397.D

Acq: 08 Oct 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

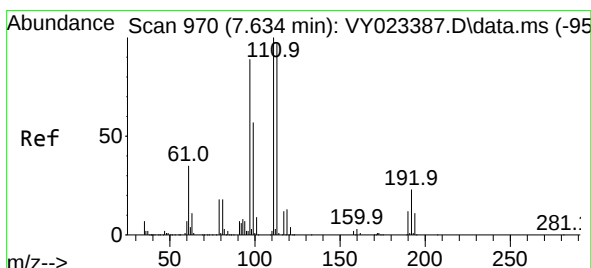
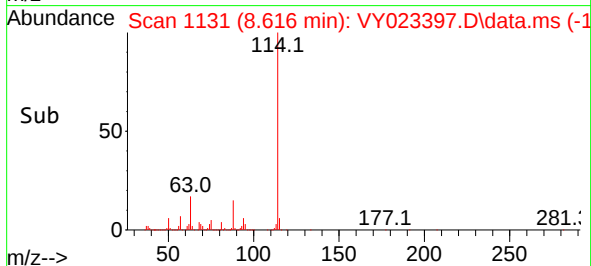
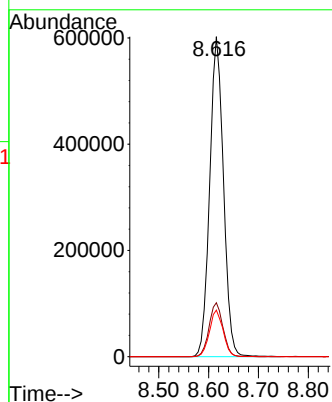
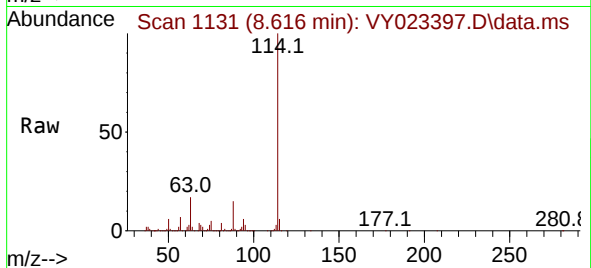
Tgt Ion:114 Resp: 1154606

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.5 0.0 28.4



#35

Dibromofluoromethane

Concen: 53.854 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

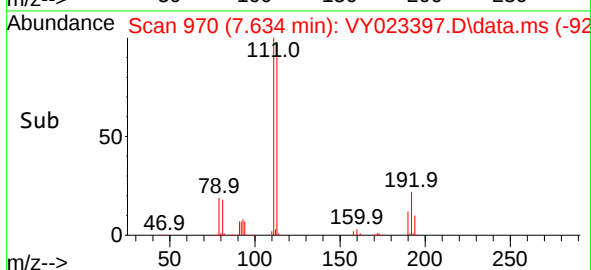
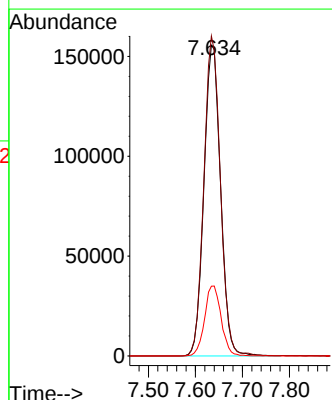
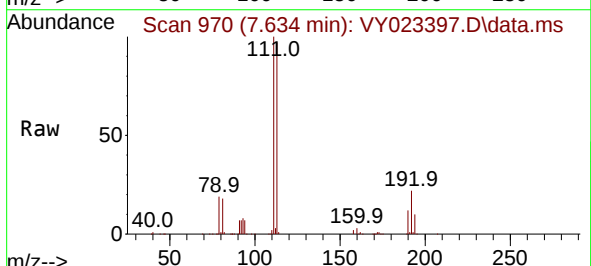
Tgt Ion:113 Resp: 382070

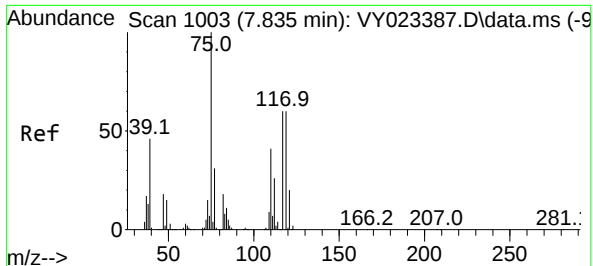
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 22.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.155 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

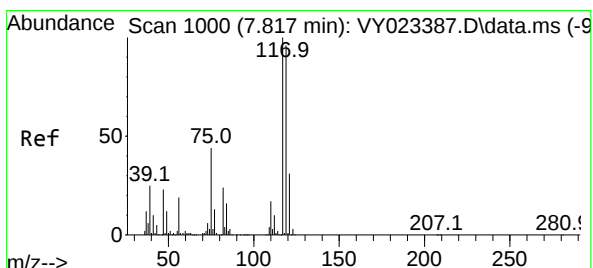
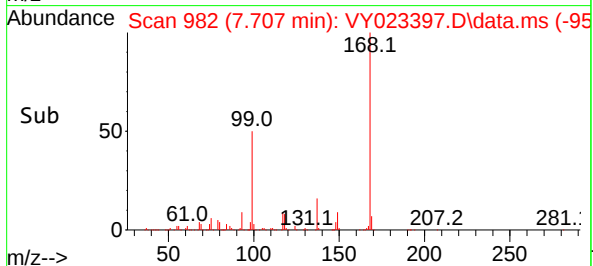
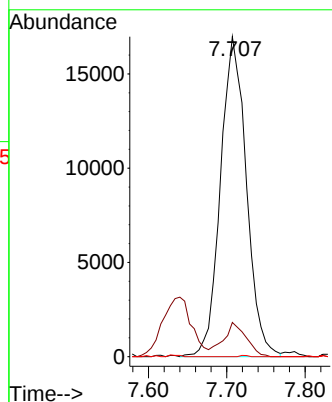
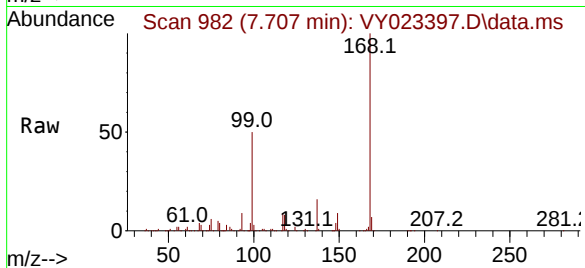
Tgt Ion: 75 Resp: 39024

Ion Ratio Lower Upper

75 100

110 9.4 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.960 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

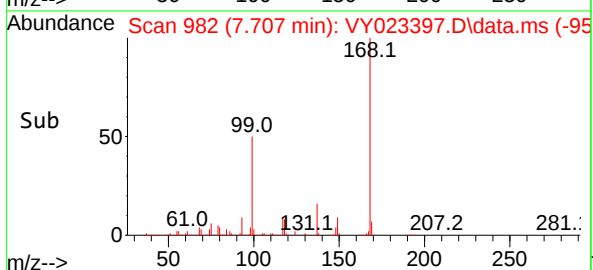
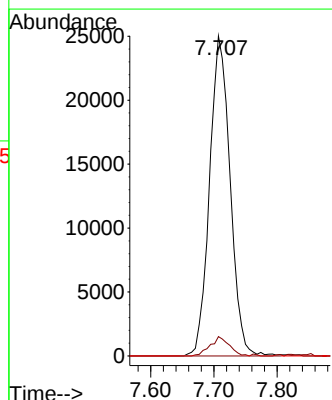
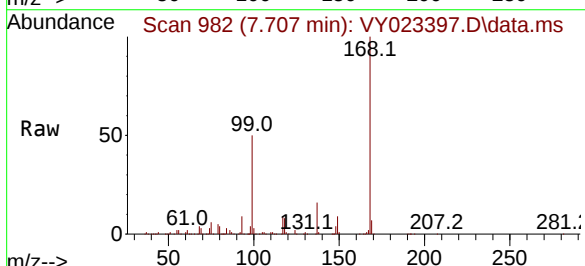
Tgt Ion: 117 Resp: 56489

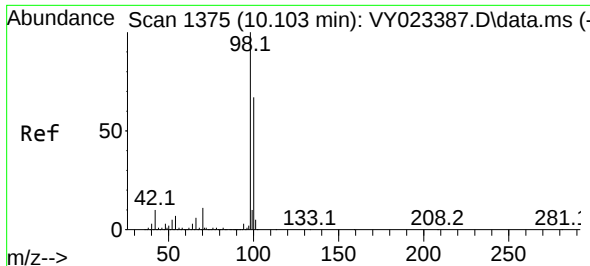
Ion Ratio Lower Upper

117 100

119 6.1 76.8 115.2#

121 0.0 24.5 36.7#

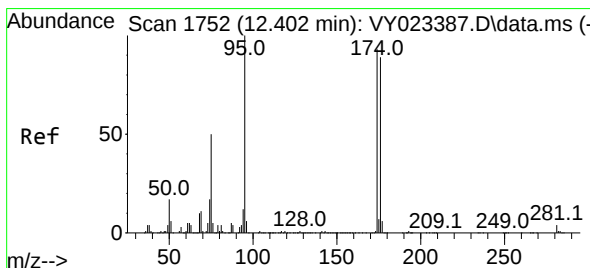
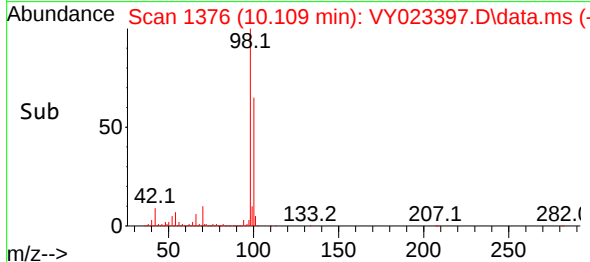
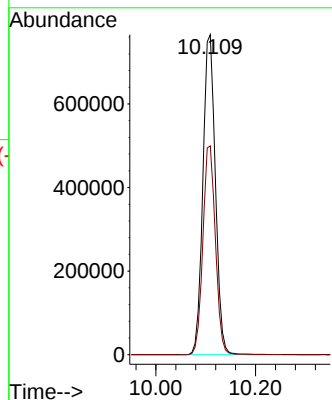
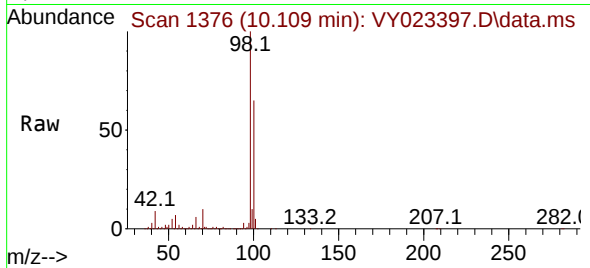




#50
Toluene-d8
Concen: 50.298 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

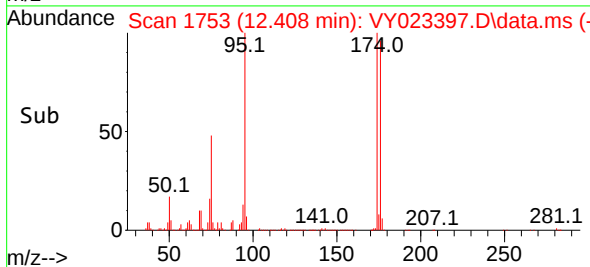
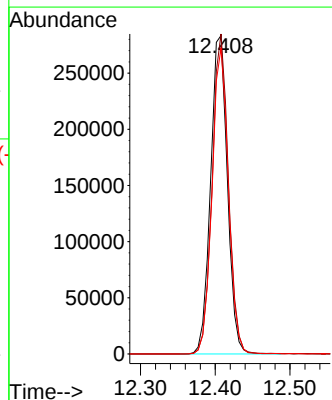
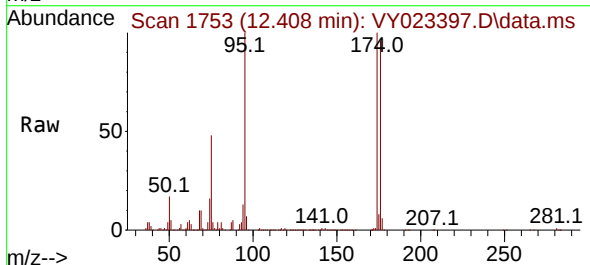
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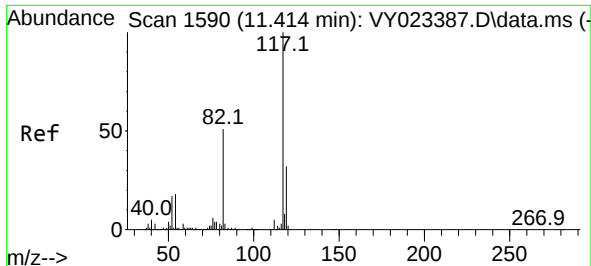
Tgt Ion: 98 Resp: 1328901
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 50.855 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

Tgt Ion: 95 Resp: 443594
Ion Ratio Lower Upper
95 100
174 97.4 0.0 192.8
176 93.7 0.0 187.6

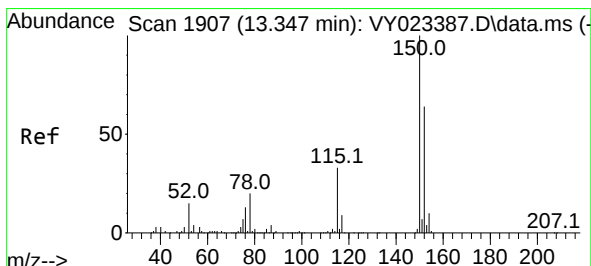
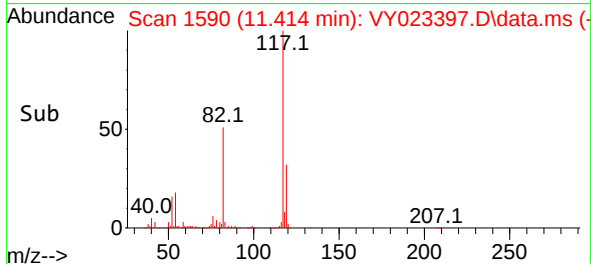
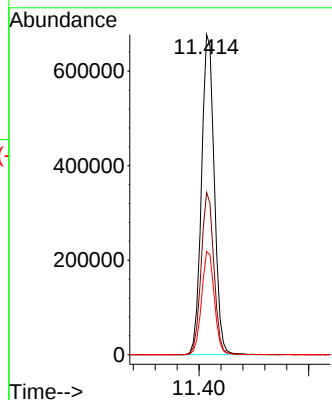
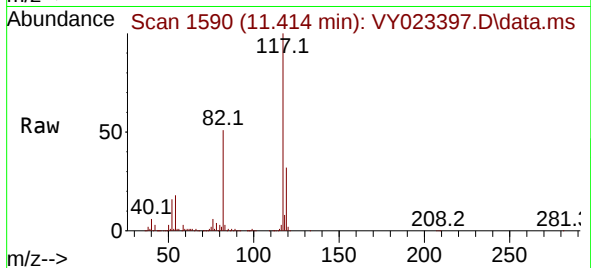




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

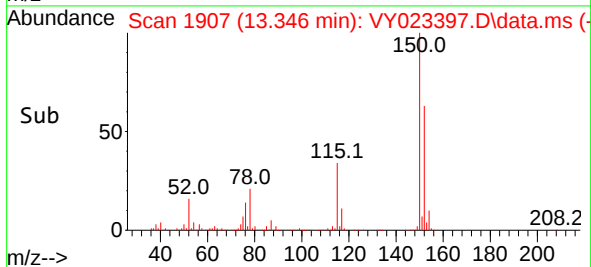
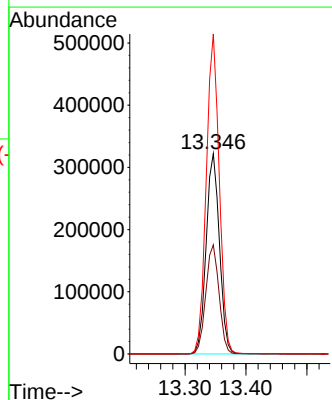
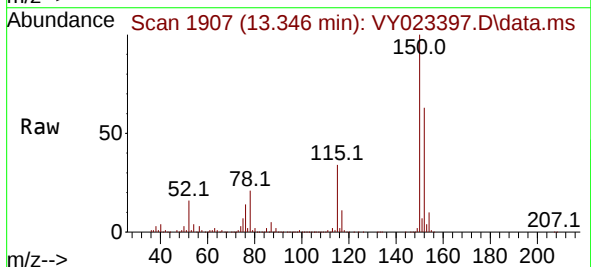
Instrument :
MSVOA_Y
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VIBLK

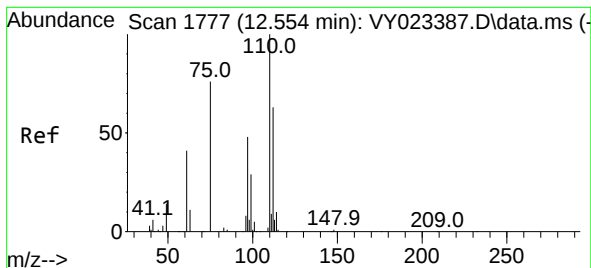
Tgt Ion:117 Resp: 1098201
Ion Ratio Lower Upper
117 100
82 50.7 41.0 61.4
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023397.D
Acq: 08 Oct 2025 11:01

Tgt Ion:152 Resp: 487745
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.2
150 156.3 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 50.394 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

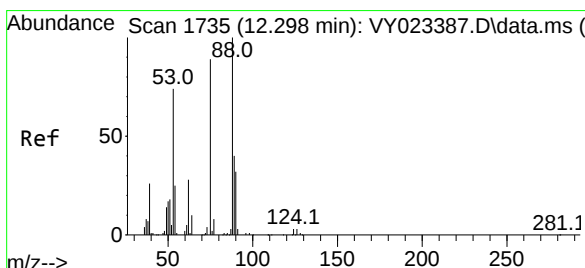
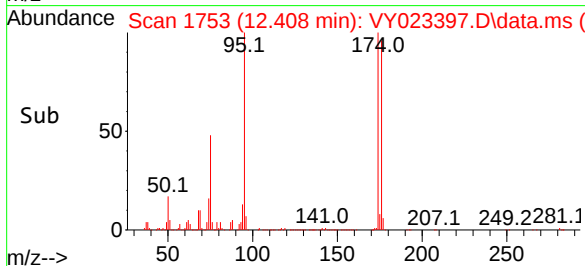
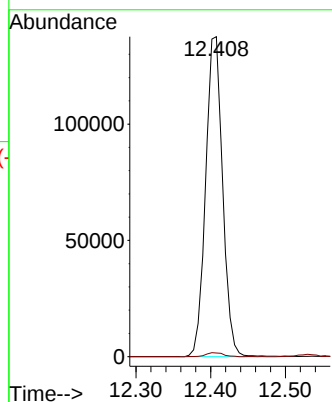
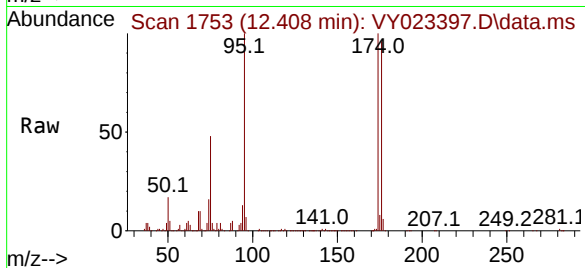
VIBLK

Tgt Ion: 75 Resp: 216857

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.576 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023397.D

Acq: 08 Oct 2025 11:01

Tgt Ion: 75 Resp: 216857

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

89 0.0 39.0 58.4#

