

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023402.D
 Acq On : 08 Oct 2025 12:58
 Operator : SY/MD
 Sample : Q3305-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 09 03:12:12 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)

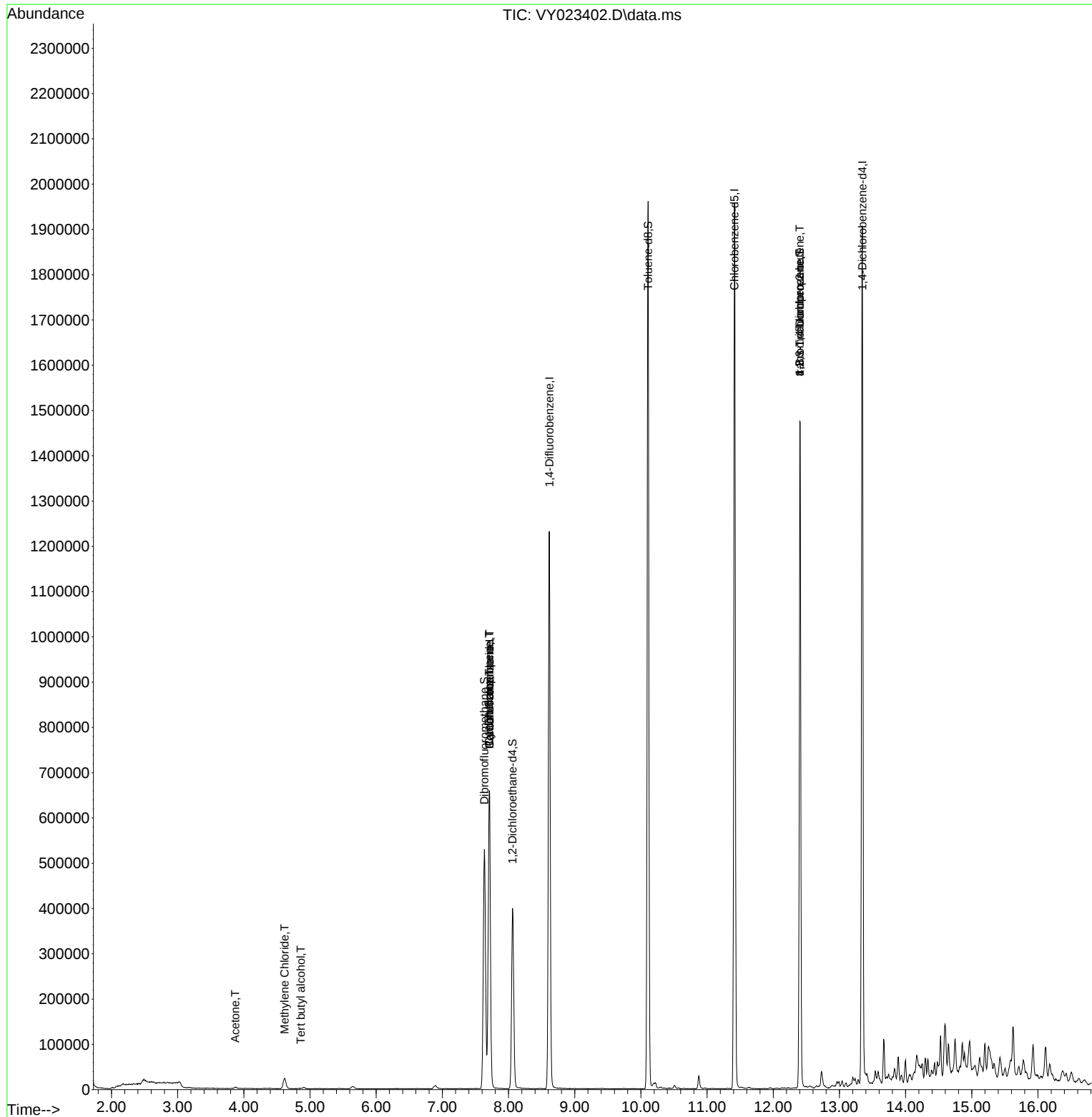
Internal Standards						
1) Pentafluorobenzene	7.713	168	555697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1096921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1094909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	515907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	315997	68.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.000%	
35) Dibromofluoromethane	7.634	113	372327	55.241	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.109	98	1310669	52.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	12.402	95	445073	53.708	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	635	1.837	ug/l #	72
16) Acetone	3.873	43	5663	5.119	ug/l #	86
20) Methylene Chloride	4.616	84	18496	3.092	ug/l	94
31) Cyclohexane	7.707	56	9354	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	36597	4.101	ug/l #	48
38) Carbon Tetrachloride	7.713	117	50016	4.623	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	220808	48.511	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	220808	118.959	ug/l #	15

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

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Sample : Q3305-01
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 09 03:12:12 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

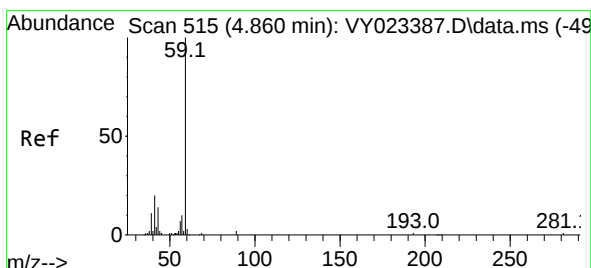
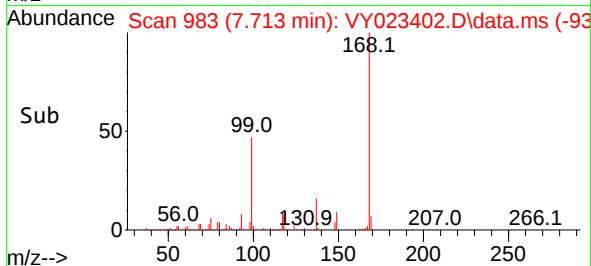
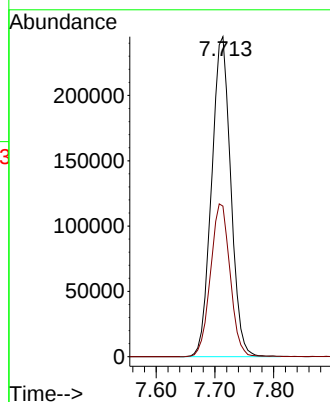
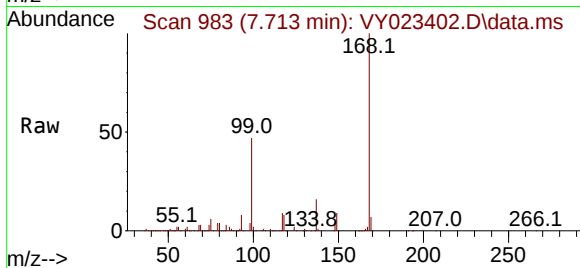




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

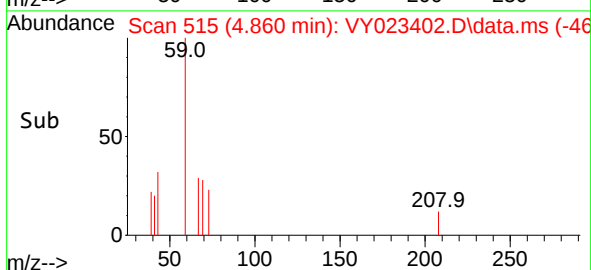
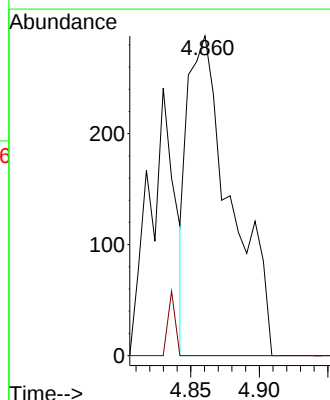
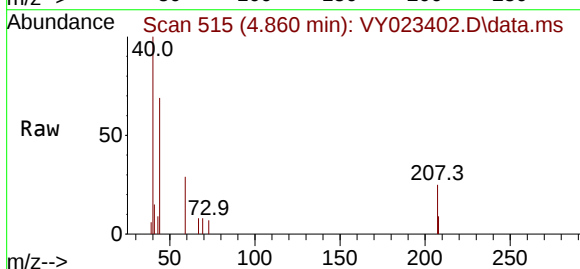
Instrument :
MSVOA_Y
ClientSampleId :

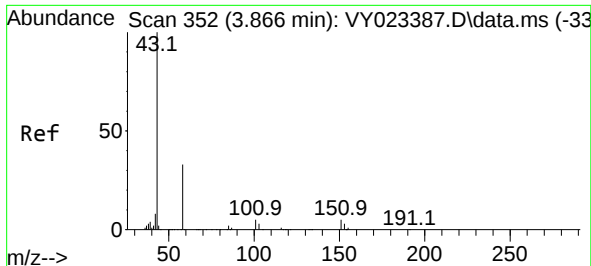
Tgt Ion:168 Resp: 555697
Ion Ratio Lower Upper
168 100
99 47.0 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.837 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 5.119 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY023402.D

Acq: 08 Oct 2025 12:58

Instrument :

MSVOA_Y

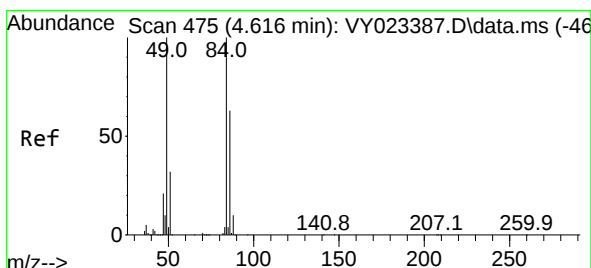
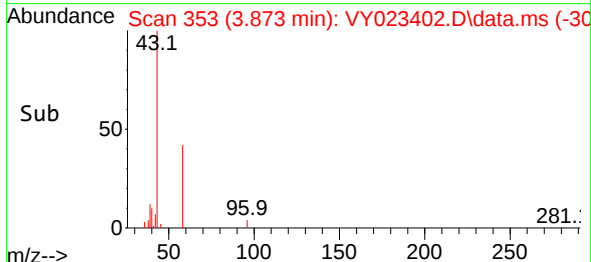
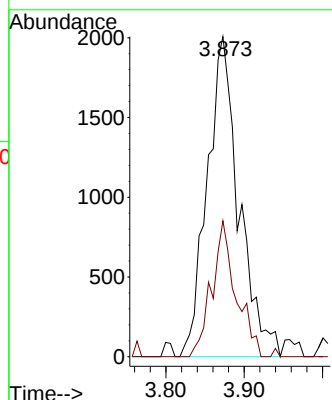
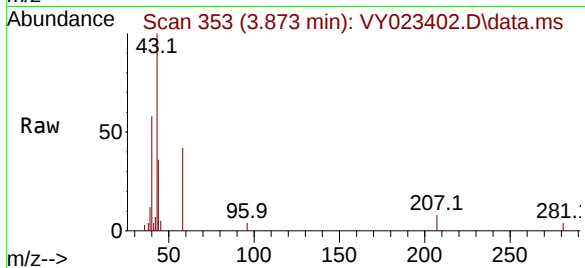
ClientSampleId :

Tgt Ion: 43 Resp: 5663

Ion Ratio Lower Upper

43 100

58 42.5 27.7 41.5#



#20

Methylene Chloride

Concen: 3.092 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023402.D

Acq: 08 Oct 2025 12:58

Tgt Ion: 84 Resp: 18496

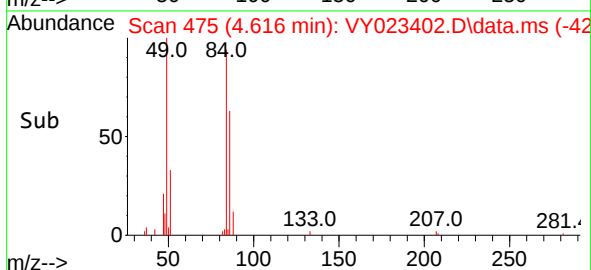
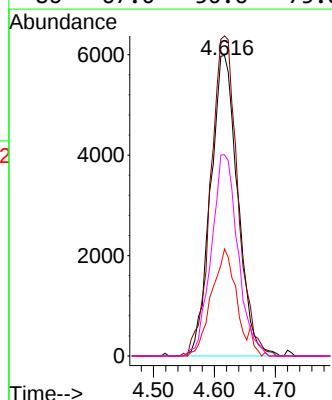
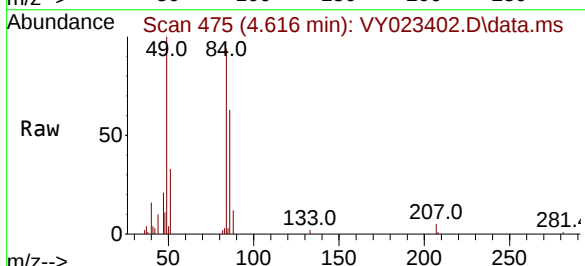
Ion Ratio Lower Upper

84 100

49 106.5 80.2 120.4

51 35.6 25.9 38.9

86 67.0 50.6 75.8

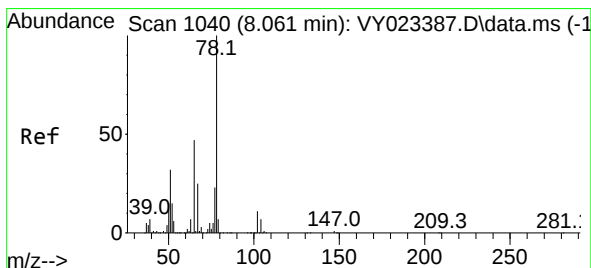
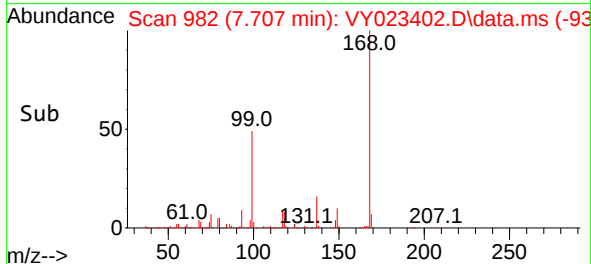
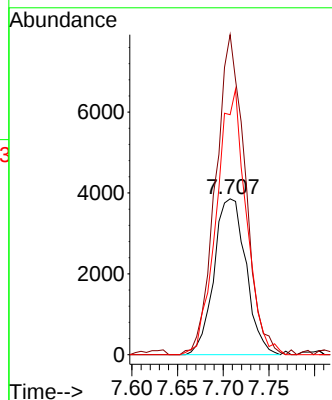
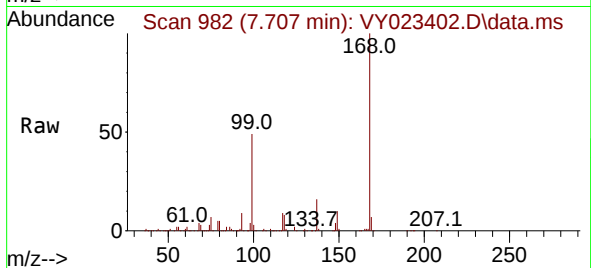




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

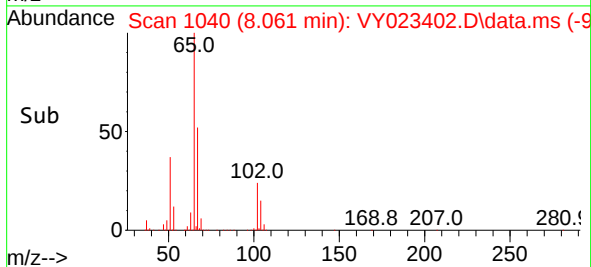
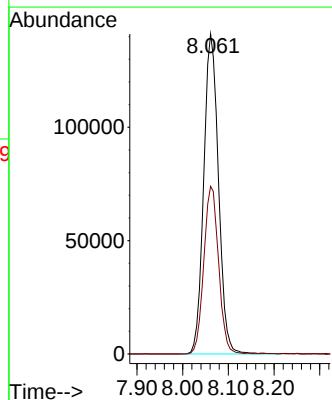
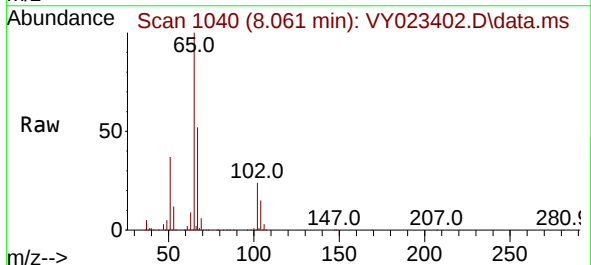
Instrument :
MSVOA_Y
ClientSampleId :

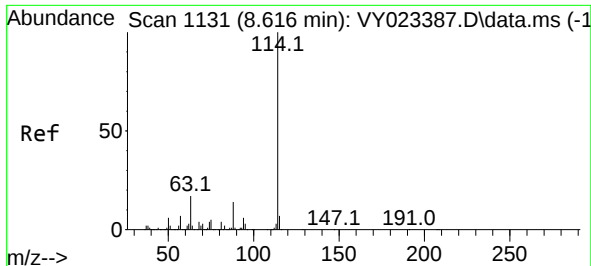
Tgt Ion: 56 Resp: 9354
Ion Ratio Lower Upper
56 100
69 205.3 30.0 45.0#
84 154.0 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 68.003 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion: 65 Resp: 315997
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8

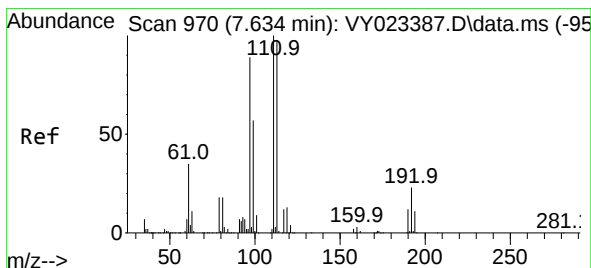
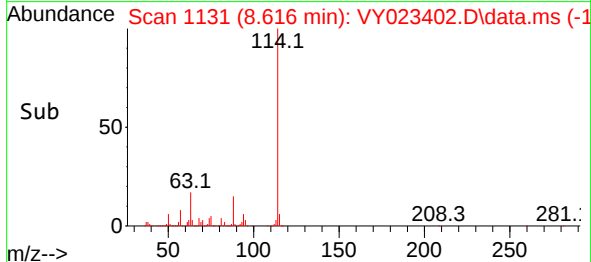
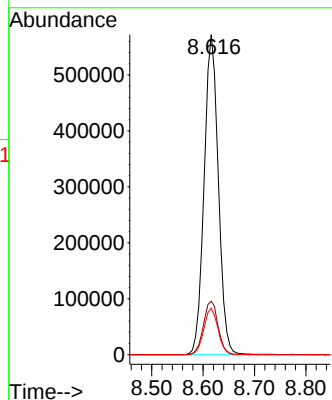
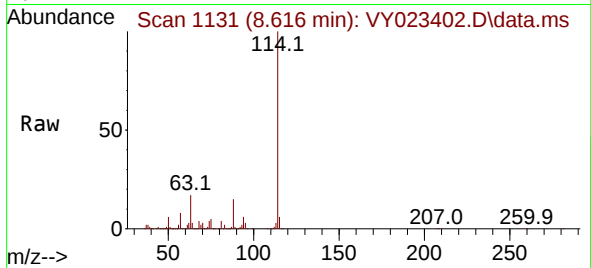




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

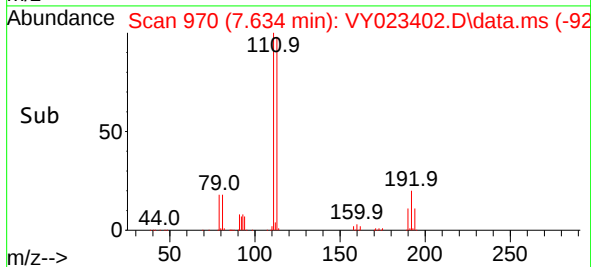
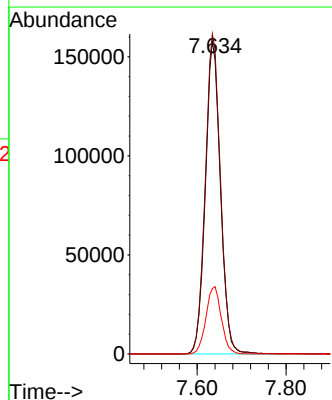
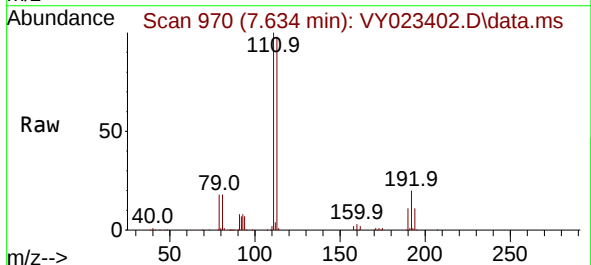
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 1096921
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.241 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion:113 Resp: 372327
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 22.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.101 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023402.D

Acq: 08 Oct 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

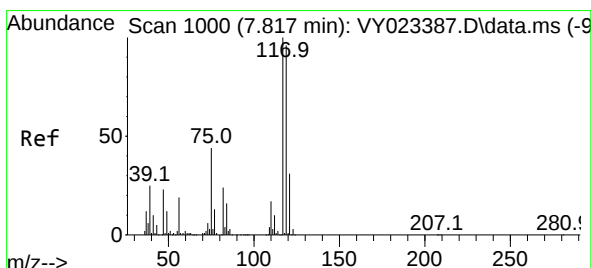
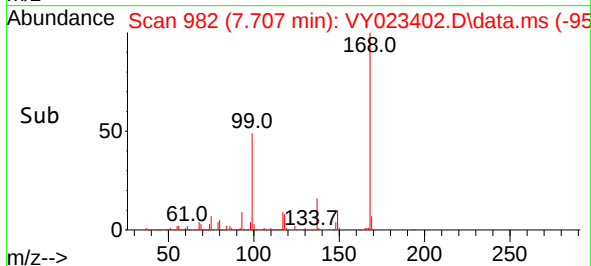
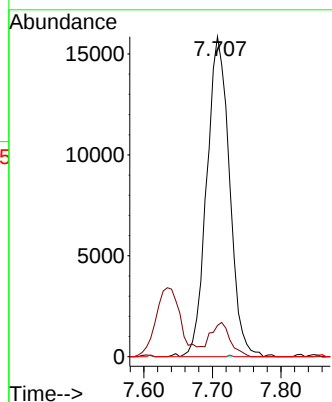
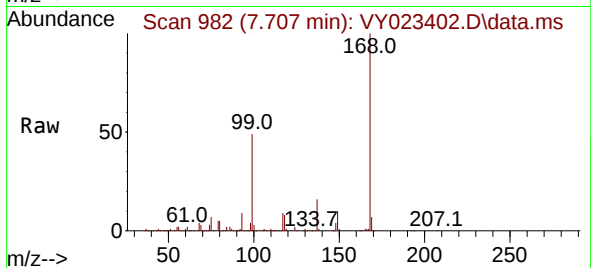
Tgt Ion: 75 Resp: 36597

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.623 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023402.D

Acq: 08 Oct 2025 12:58

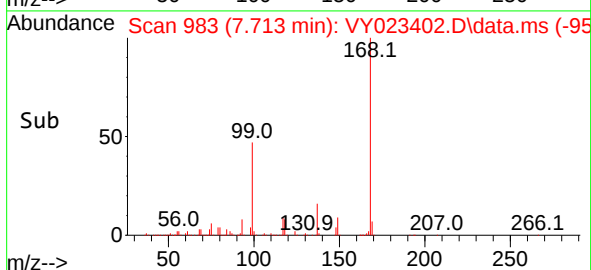
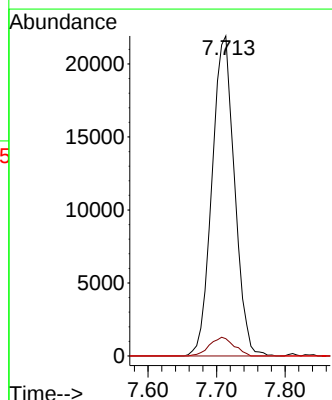
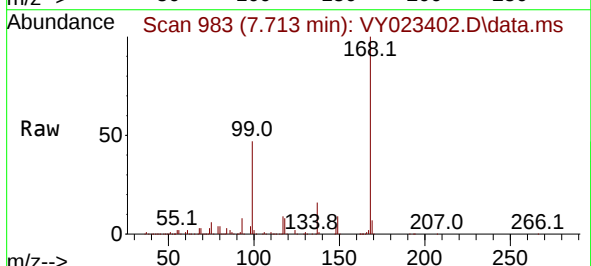
Tgt Ion: 117 Resp: 50016

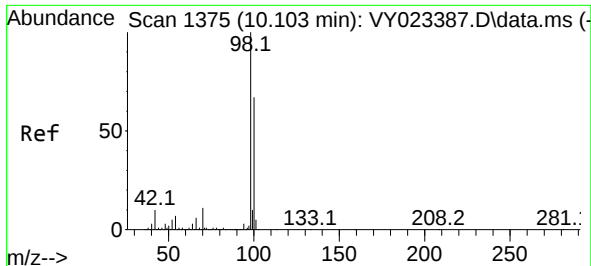
Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

121 0.0 24.5 36.7#

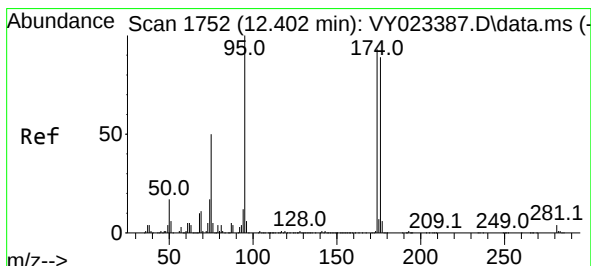
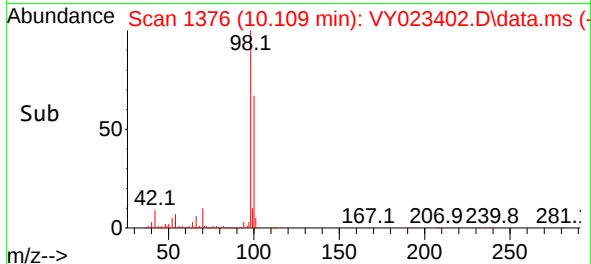
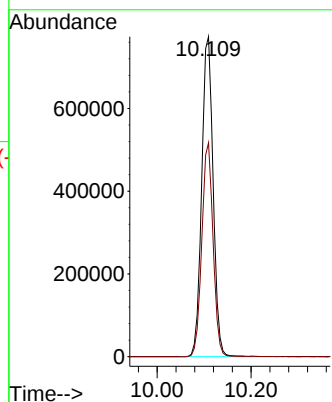
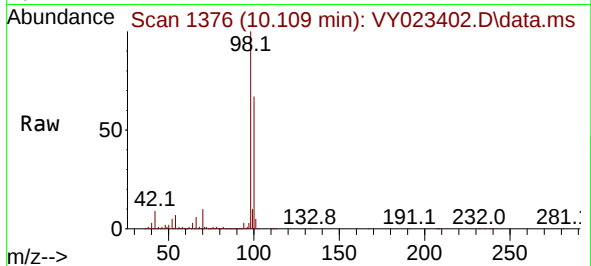




#50
Toluene-d8
Concen: 52.217 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

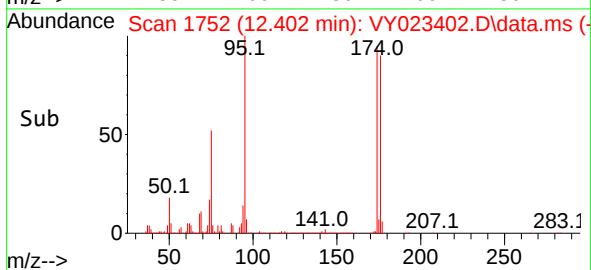
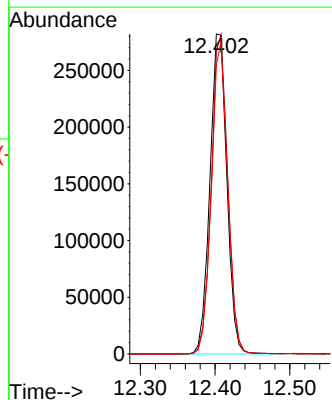
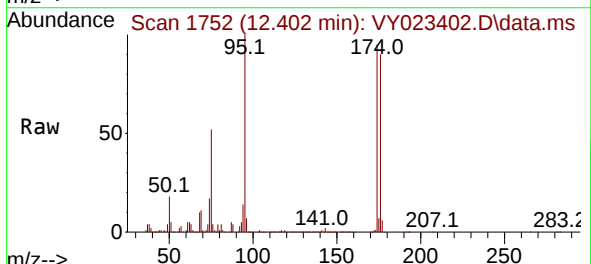
Instrument :
MSVOA_Y
ClientSampleId :

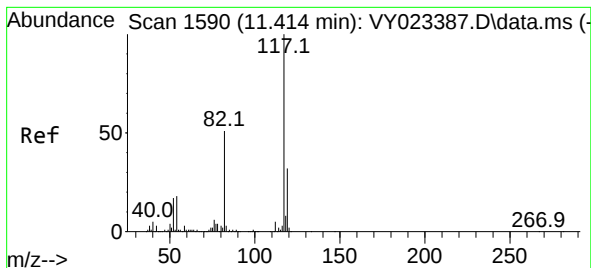
Tgt Ion: 98 Resp: 1310669
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.708 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion: 95 Resp: 445073
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 93.5 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023402.D

Acq: 08 Oct 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

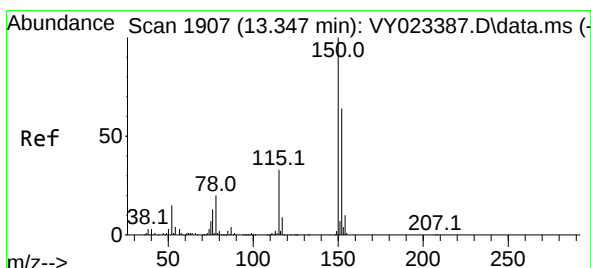
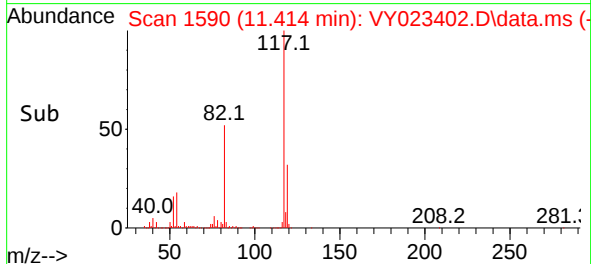
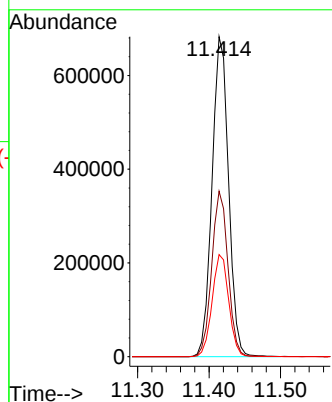
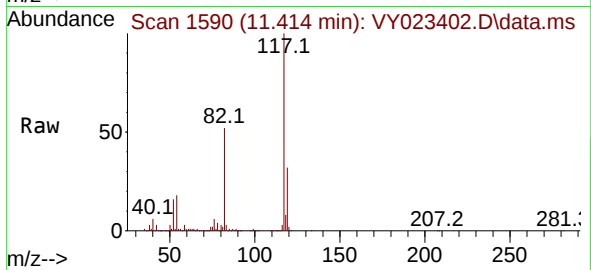
Tgt Ion:117 Resp: 1094909

Ion Ratio Lower Upper

117 100

82 51.7 41.0 61.4

119 31.9 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: VY023402.D

Acq: 08 Oct 2025 12:58

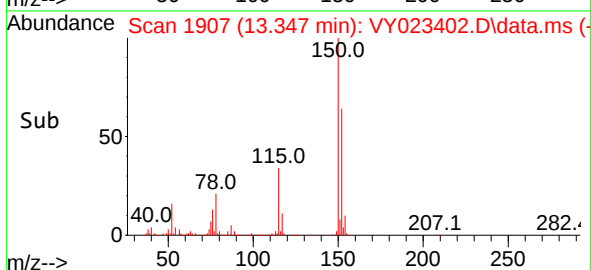
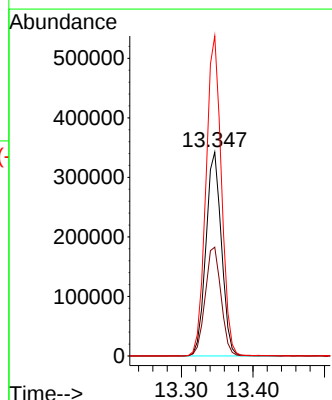
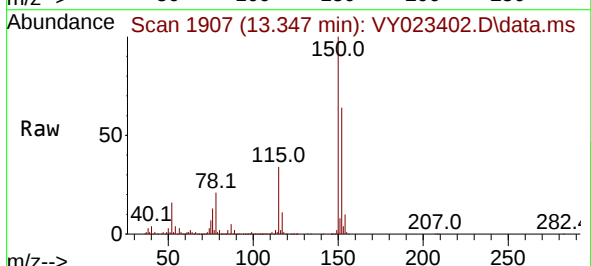
Tgt Ion:152 Resp: 515907

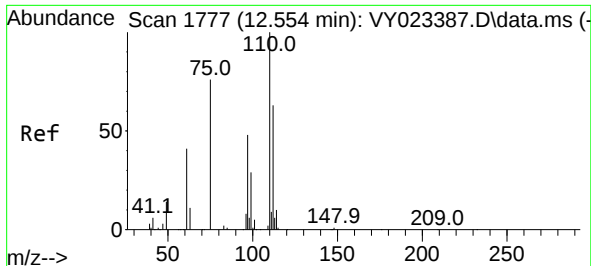
Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.2

150 156.5 0.0 347.4

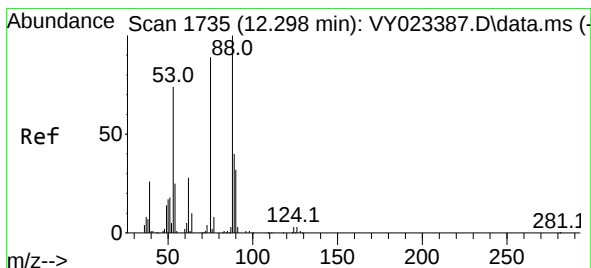
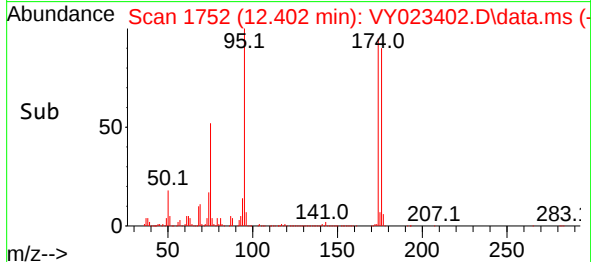
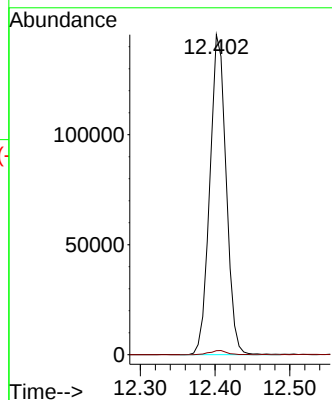
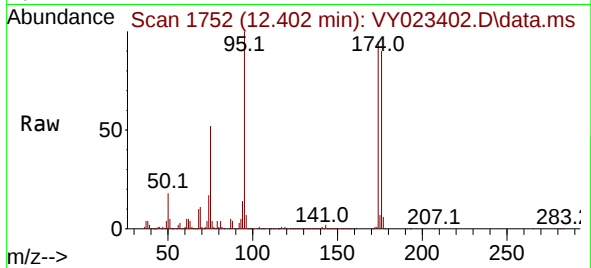




#76
1,2,3-Trichloropropane
Concen: 48.511 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 220808
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.959 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion: 75 Resp: 220808
Ion Ratio Lower Upper
75 100
53 0.3 68.6 102.8#
89 0.1 39.0 58.4#

