

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023853.D
 Acq On : 02 Dec 2025 12:08
 Operator : SY/MD
 Sample : Q3742-05
 Misc : 2.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 01:02:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

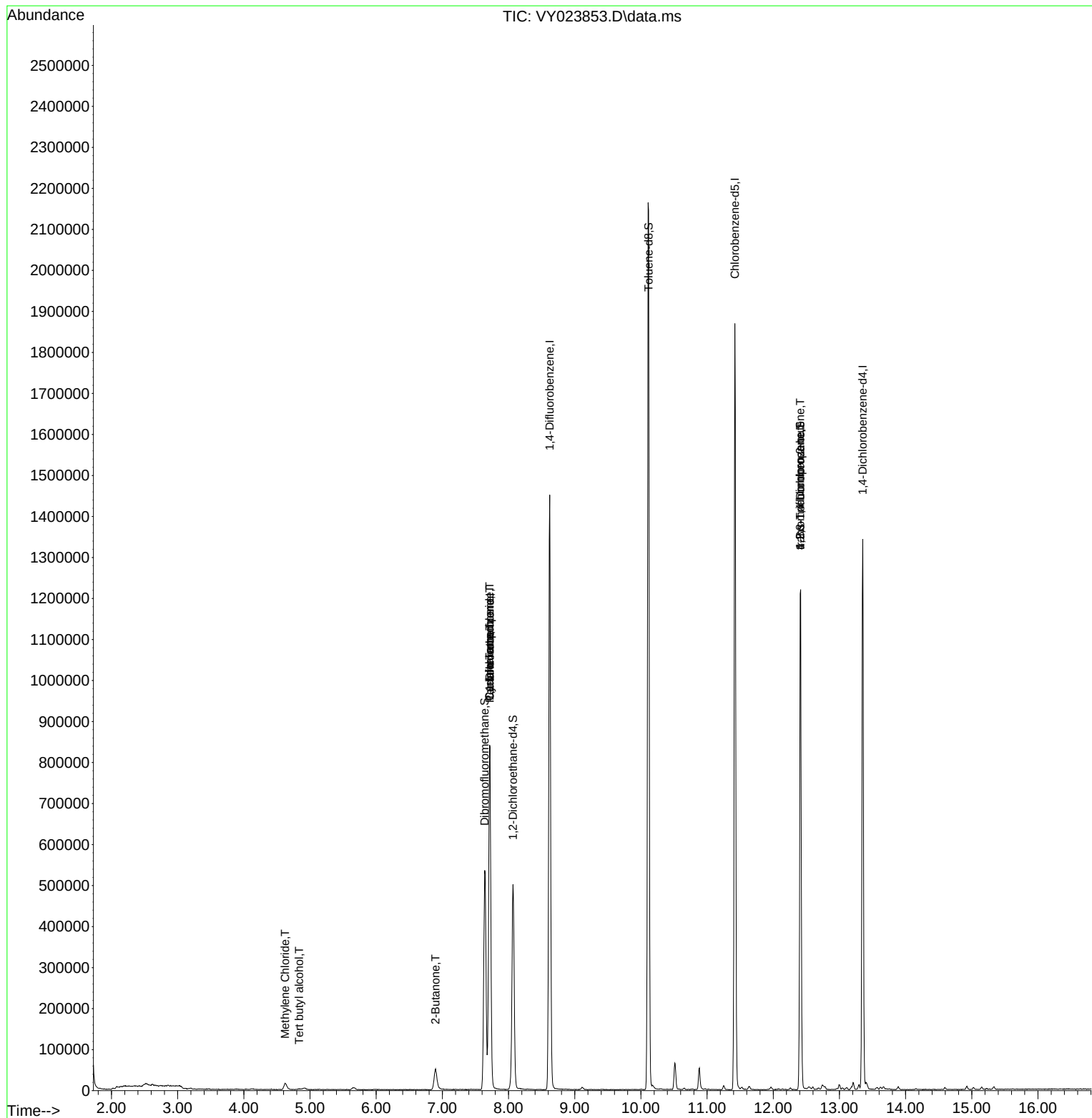
Internal Standards						
1) Pentafluorobenzene	7.720	168	665144	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	1217438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	982717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	346373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	391791	60.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.980%	
35) Dibromofluoromethane	7.640	113	393337	54.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.080%	
50) Toluene-d8	10.115	98	1426882	49.811	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.620%	
62) 4-Bromofluorobenzene	12.408	95	371558	39.421	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	802	1.508	ug/l #	73
20) Methylene Chloride	4.622	84	10488	1.329	ug/l	93
25) 2-Butanone	6.896	43	3294	1.446	ug/l #	78
31) Cyclohexane	7.713	56	13782	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50865	4.600	ug/l #	50
38) Carbon Tetrachloride	7.713	117	65981	5.436	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	190653	63.295	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	190653	133.788	ug/l #	14

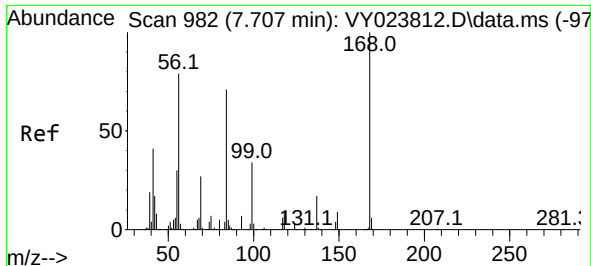
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
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MSVOA_Y
ClientSampleId :

Quant Time: Dec 03 01:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

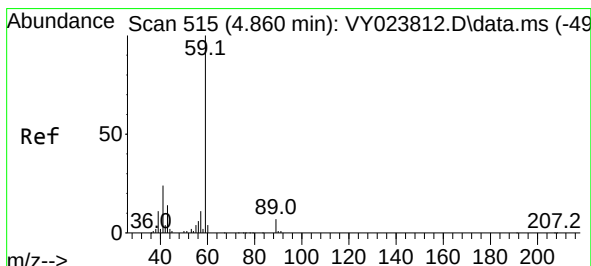
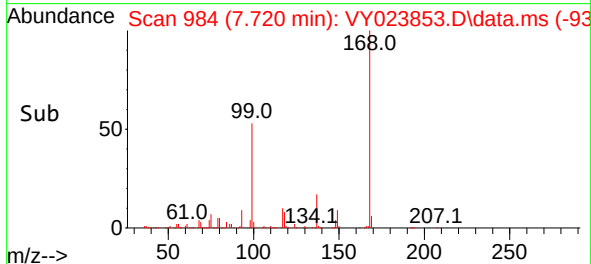
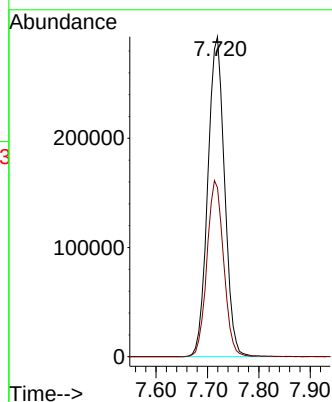
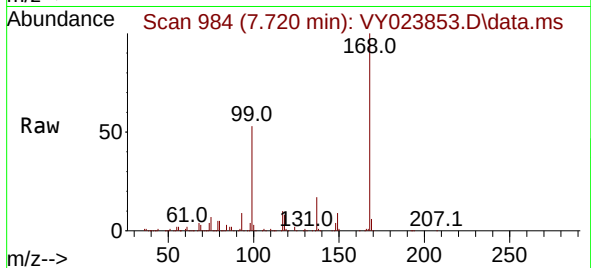




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

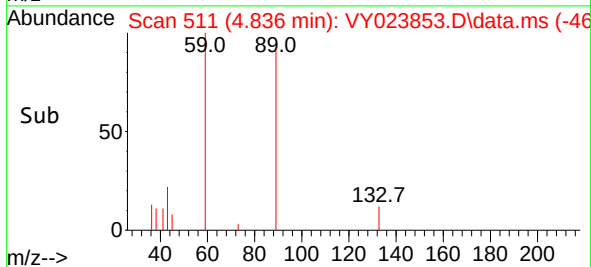
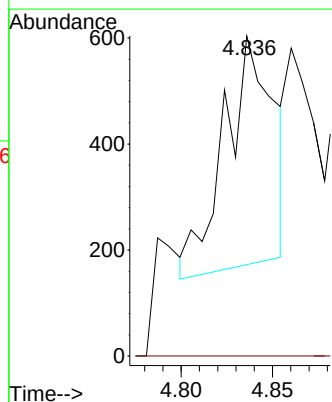
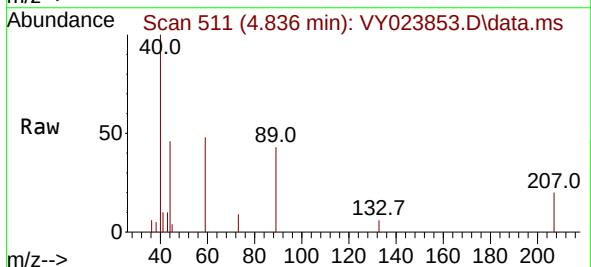
Instrument :
MSVOA_Y
ClientSampleId :

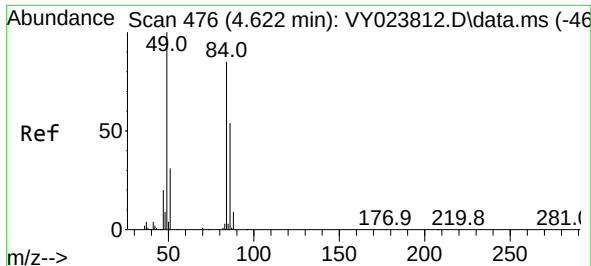
Tgt Ion:168 Resp: 665144
Ion Ratio Lower Upper
168 100
99 52.8 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.508 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion: 59 Resp: 802
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

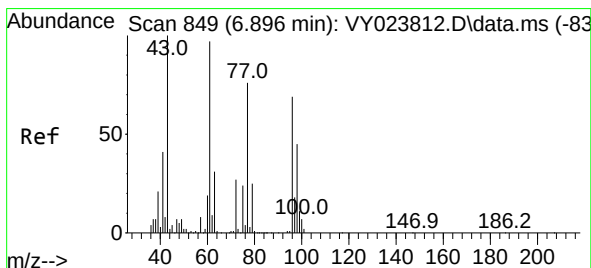
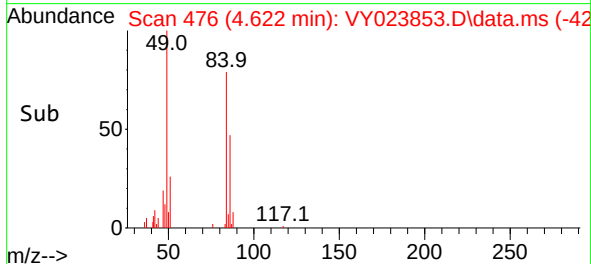
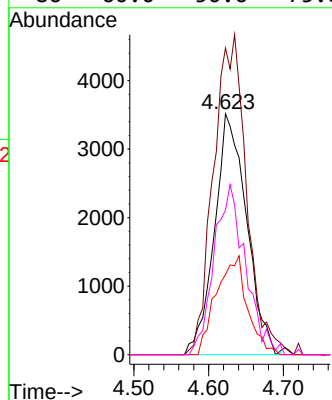
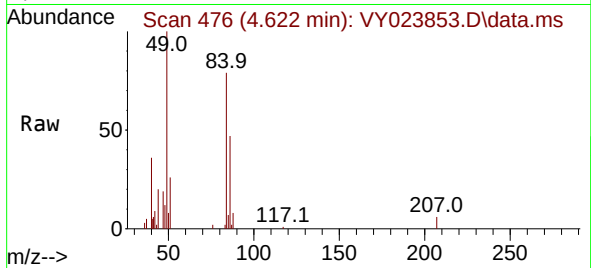




#20
Methylene Chloride
Concen: 1.329 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

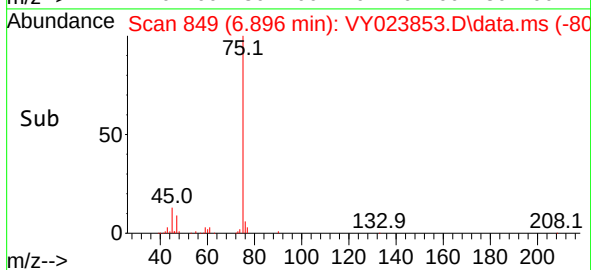
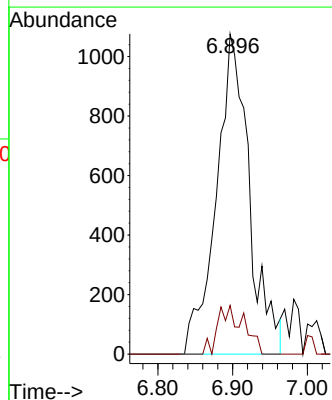
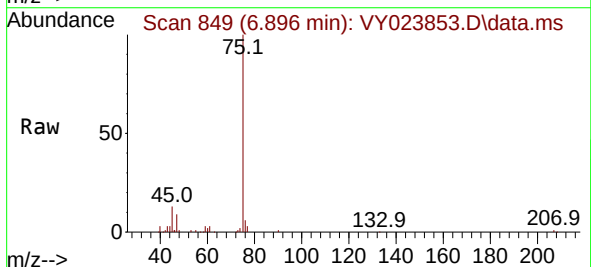
Instrument :
MSVOA_Y
ClientSampleId :

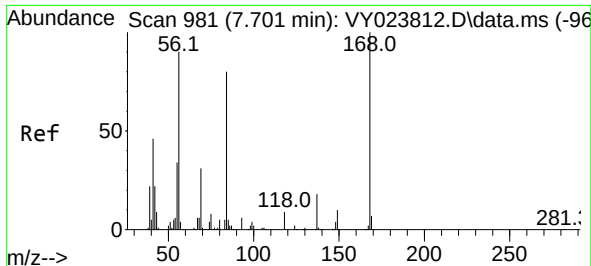
Tgt Ion: 84	Resp: 10488		
Ion	Ratio	Lower	Upper
84	100		
49	127.3	94.0	141.0
51	33.3	29.2	43.8
86	60.0	50.6	75.8



#25
2-Butanone
Concen: 1.446 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

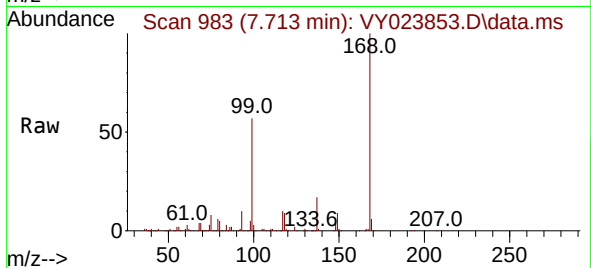
Tgt Ion: 43	Resp: 3294		
Ion Ratio	Lower	Upper	
43 100			
72 15.1	21.3	31.9#	



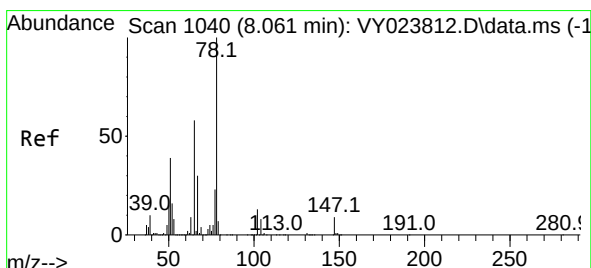
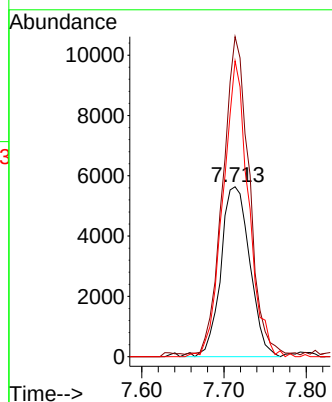
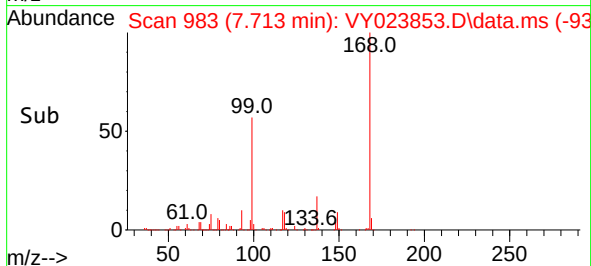


#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

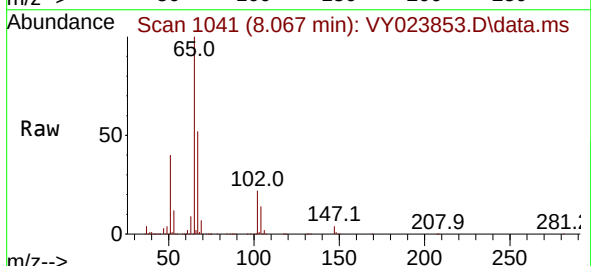
Instrument :
MSVOA_Y
ClientSampleId :



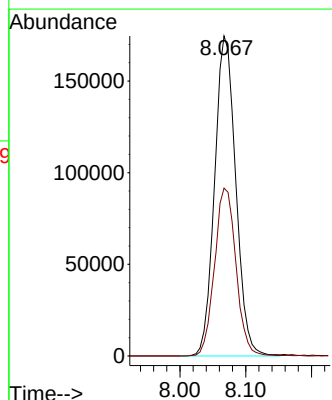
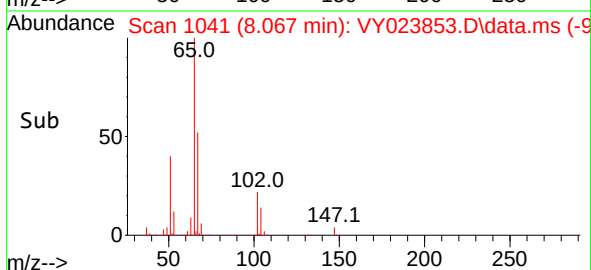
Tgt Ion: 56 Resp: 13782
Ion Ratio Lower Upper
56 100
69 186.5 27.8 41.6#
84 174.1 71.8 107.8#

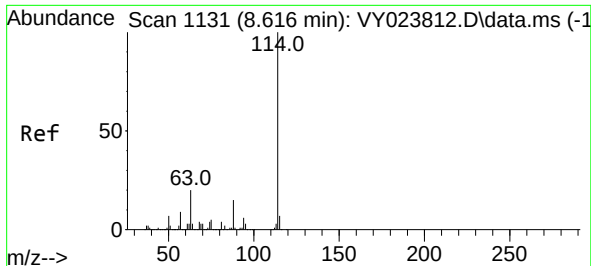


#33
1,2-Dichloroethane-d4
Concen: 60.485 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08



Tgt Ion: 65 Resp: 391791
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023853.D

Acq: 02 Dec 2025 12:08

Instrument :

MSVOA_Y

ClientSampleId :

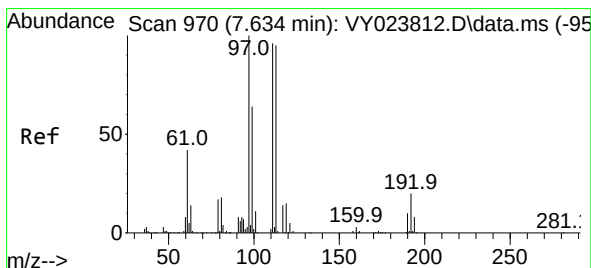
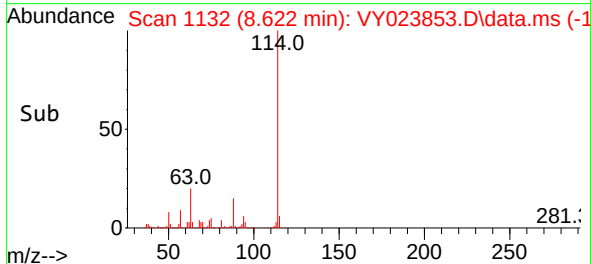
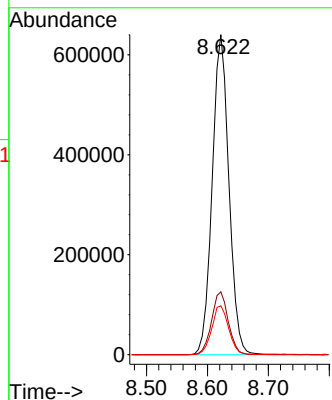
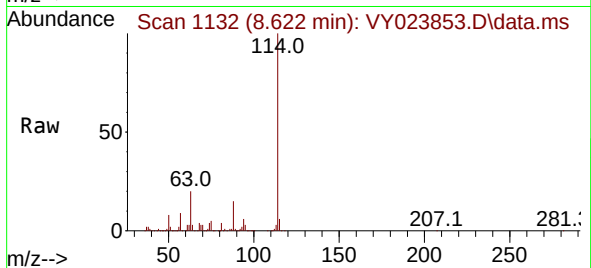
Tgt Ion:114 Resp: 1217438

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 15.3 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.539 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023853.D

Acq: 02 Dec 2025 12:08

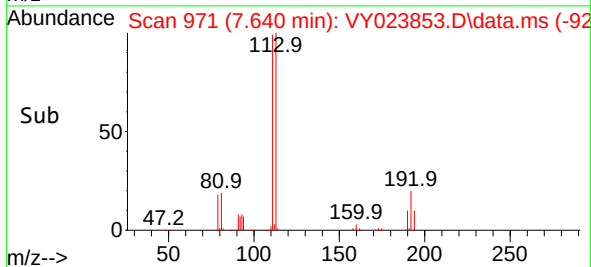
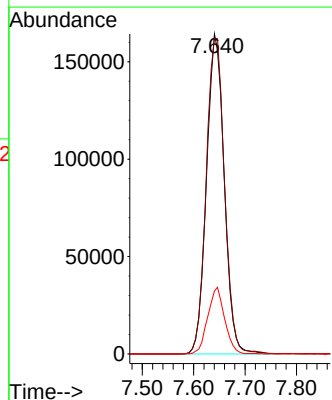
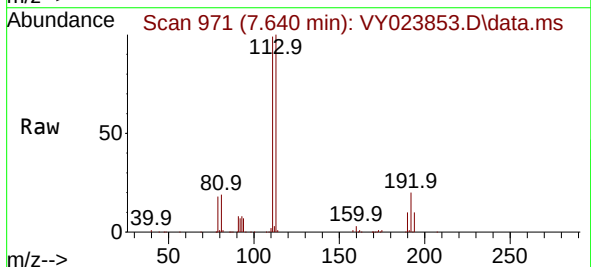
Tgt Ion:113 Resp: 393337

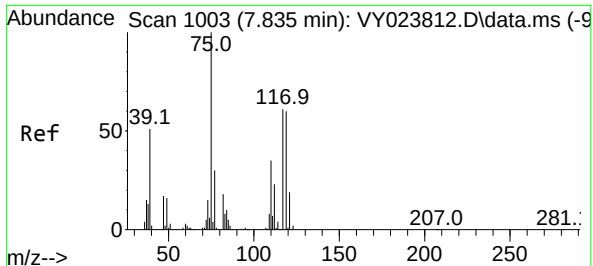
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 19.9 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023853.D

Acq: 02 Dec 2025 12:08

Instrument :

MSVOA_Y

ClientSampleId :

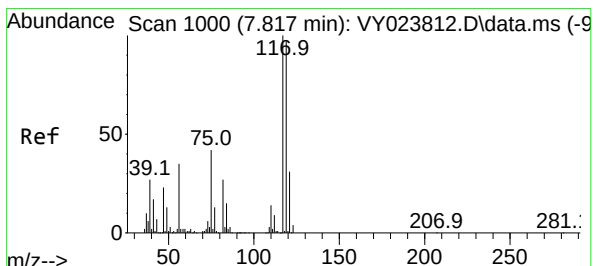
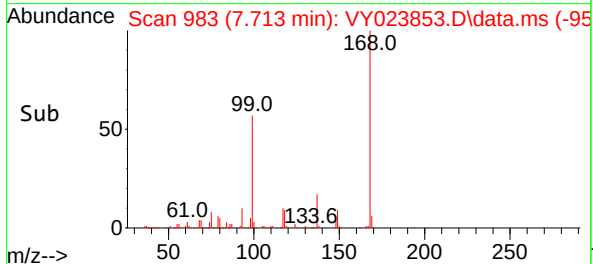
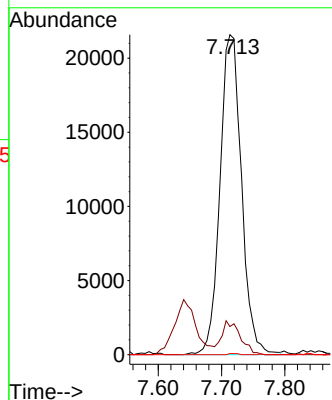
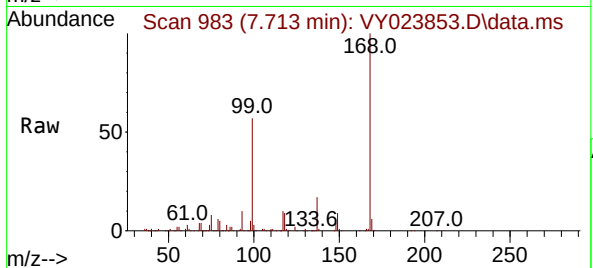
Tgt Ion: 75 Resp: 50865

Ion Ratio Lower Upper

75 100

110 9.1 17.6 52.8#

77 0.2 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.436 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023853.D

Acq: 02 Dec 2025 12:08

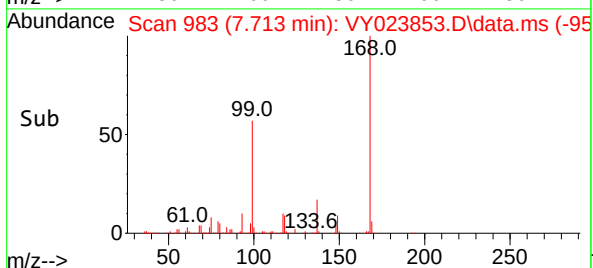
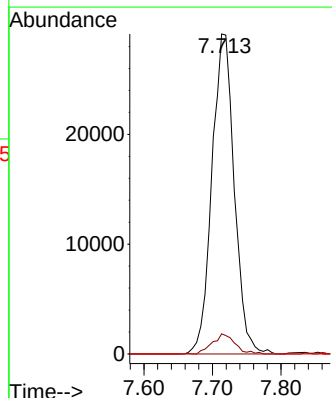
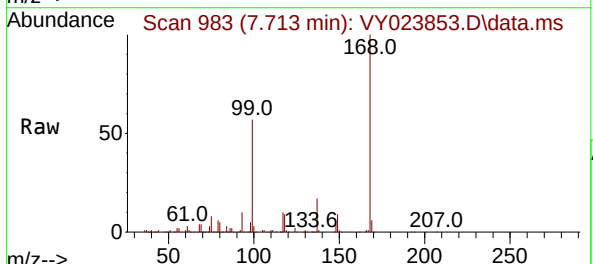
Tgt Ion: 117 Resp: 65981

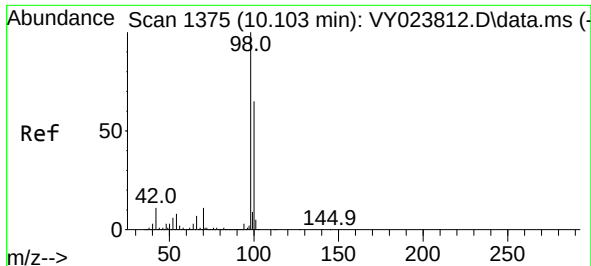
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 25.0 37.6#

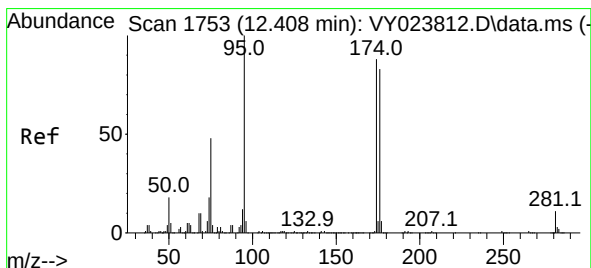
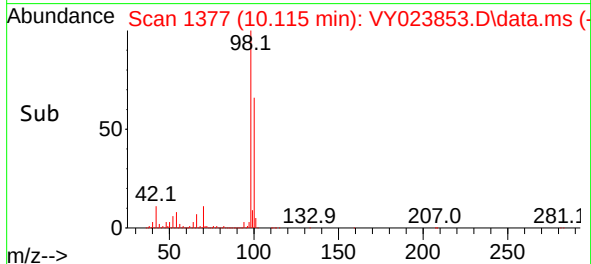
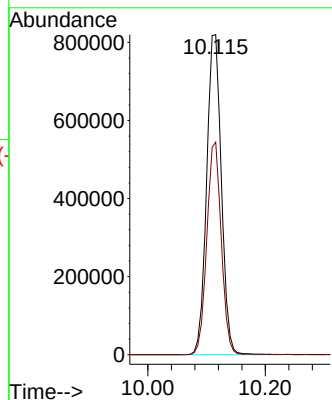
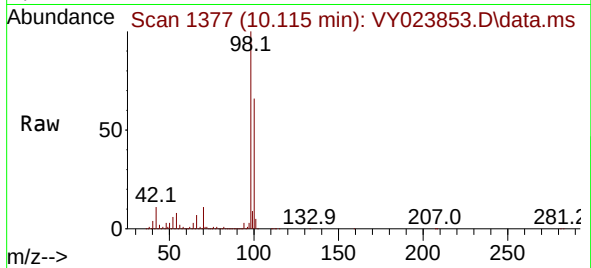




#50
Toluene-d8
Concen: 49.811 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

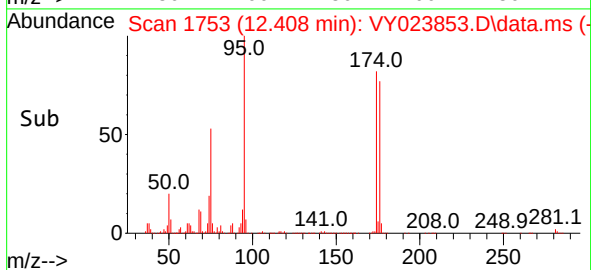
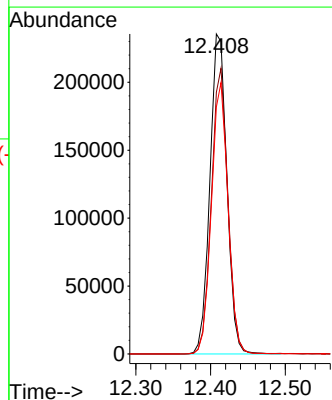
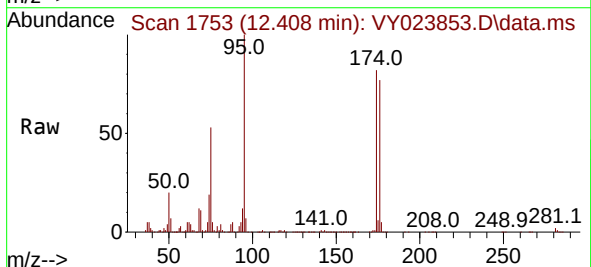
Instrument :
MSVOA_Y
ClientSampleId :

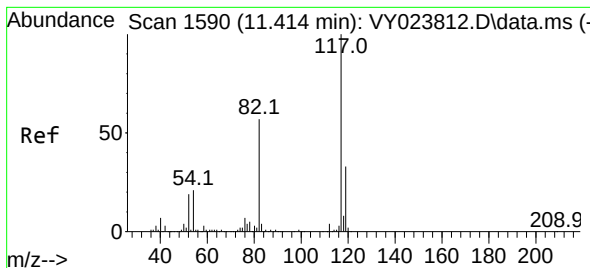
Tgt Ion: 98 Resp: 1426882
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.421 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion: 95 Resp: 371558
Ion Ratio Lower Upper
95 100
174 87.1 0.0 168.6
176 83.1 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023853.D

Acq: 02 Dec 2025 12:08

Instrument :

MSVOA_Y

ClientSampleId :

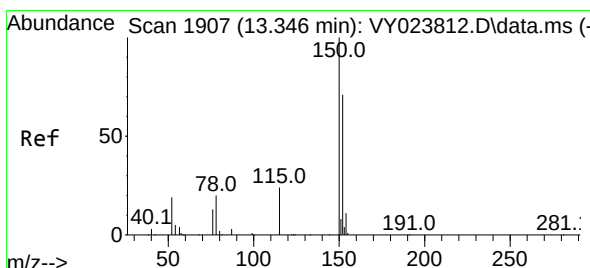
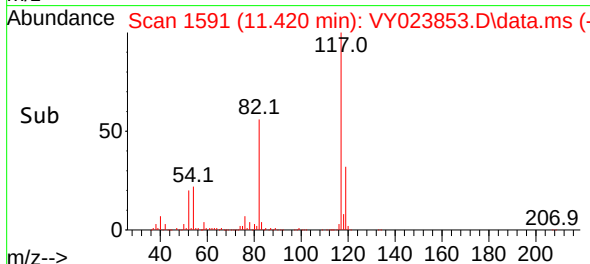
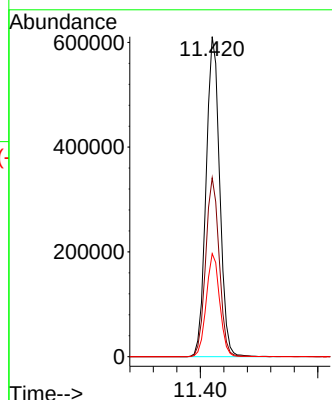
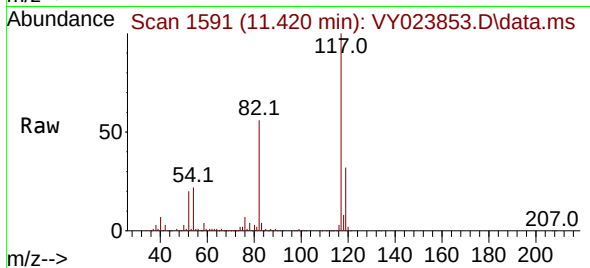
Tgt Ion:117 Resp: 982717

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

119 32.2 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023853.D

Acq: 02 Dec 2025 12:08

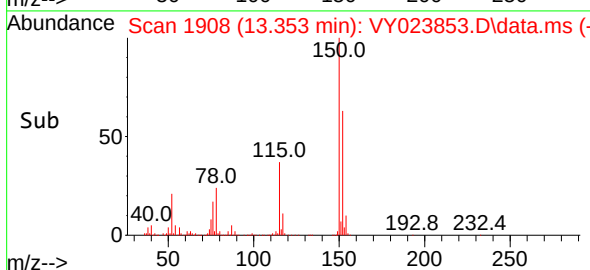
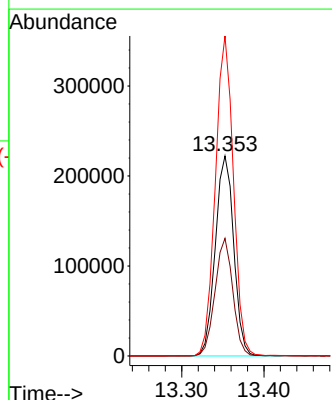
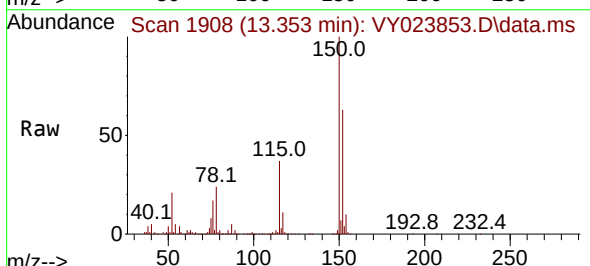
Tgt Ion:152 Resp: 346373

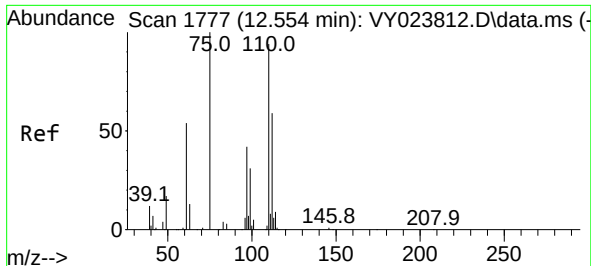
Ion Ratio Lower Upper

152 100

115 56.8 28.7 86.3

150 156.6 0.0 345.6

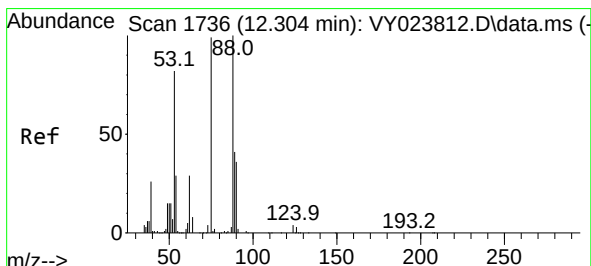
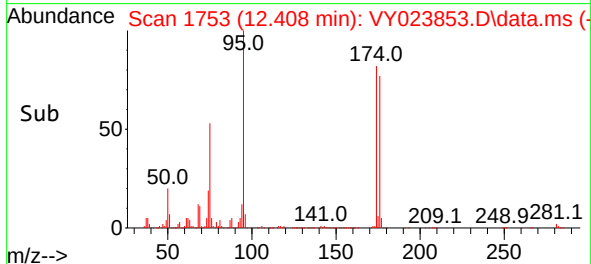
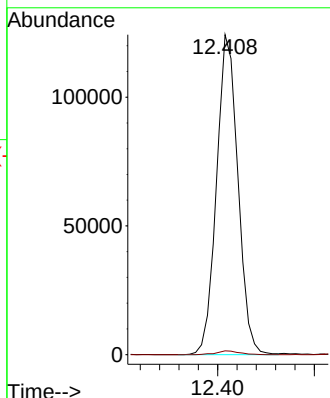
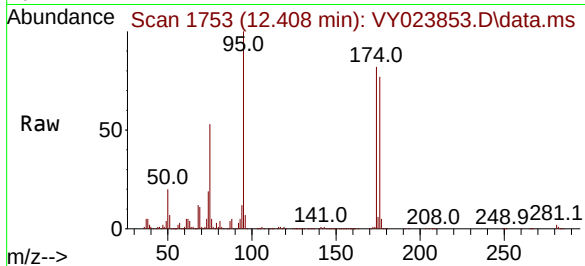




#76
1,2,3-Trichloropropane
Concen: 63.295 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 190653
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.788 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion: 75 Resp: 190653
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.2 37.0 55.4#

