

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023836.D
 Acq On : 01 Dec 2025 12:26
 Operator : SY/MD
 Sample : Q3740-01
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC1

Quant Time: Dec 02 03:15:43 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)

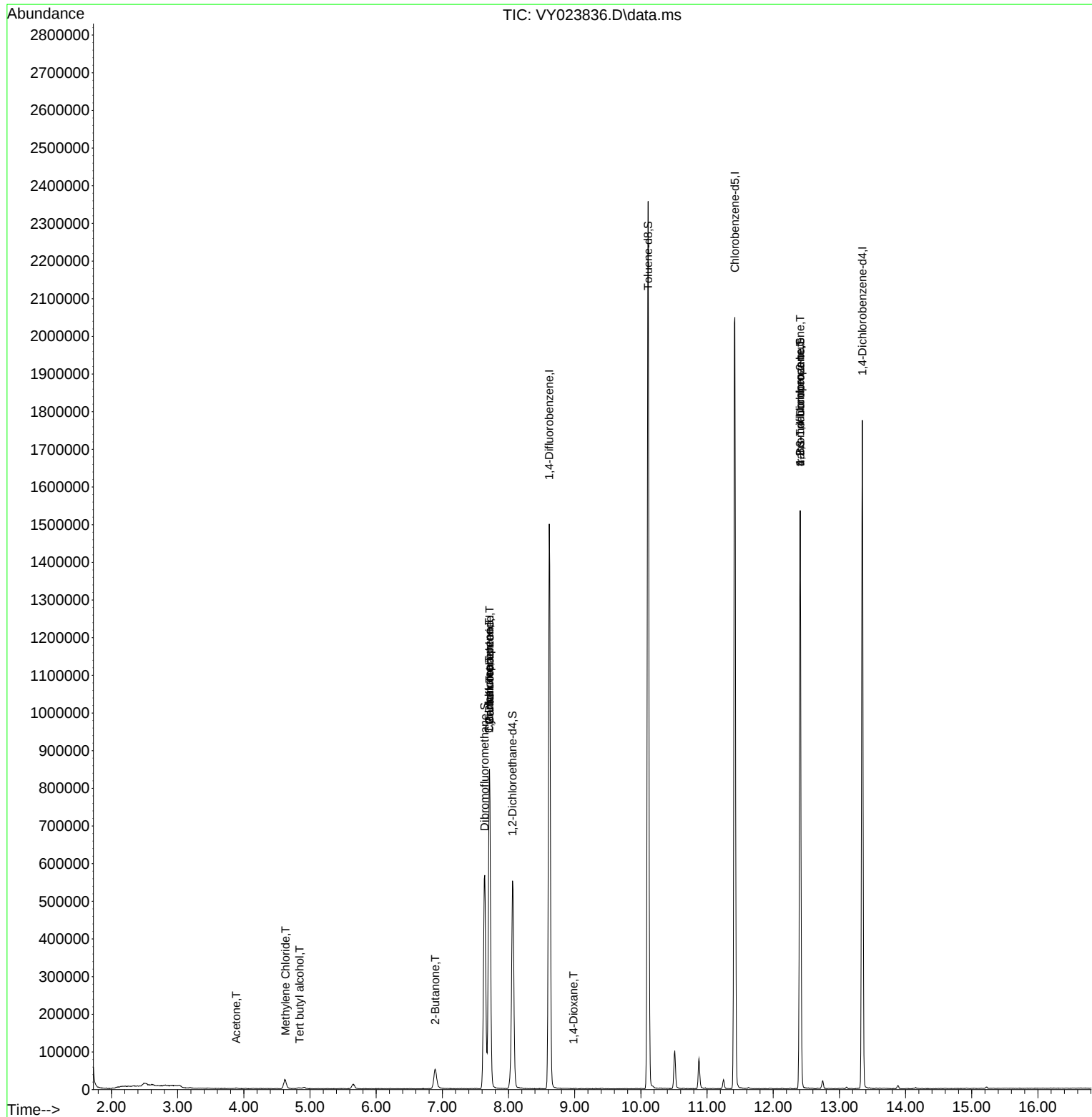
Internal Standards						
1) Pentafluorobenzene	7.713	168	675919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1275968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1114794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	445014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	414869	63.027	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.060%	
35) Dibromofluoromethane	7.640	113	409711	54.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.400%	
50) Toluene-d8	10.109	98	1516112	50.498	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.000%	
62) 4-Bromofluorobenzene	12.408	95	447050	45.254	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	2770	5.124	ug/l #	77
16) Acetone	3.885	43	2452	1.293	ug/l	92
20) Methylene Chloride	4.629	84	16316	2.035	ug/l #	90
25) 2-Butanone	6.890	43	3112	1.345	ug/l #	68
31) Cyclohexane	7.707	56	13942	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	51809	4.470	ug/l #	50
38) Carbon Tetrachloride	7.713	117	66983	5.265	ug/l #	15
49) 1,4-Dioxane	8.982	88	69	1.349	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	229956	59.421	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	229956	125.599	ug/l #	14

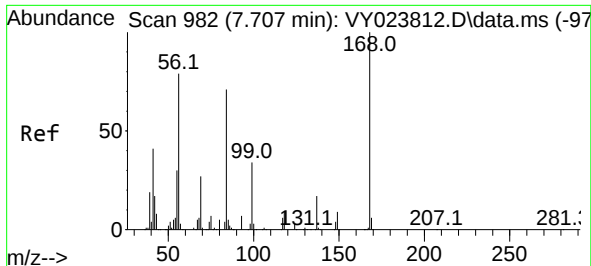
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
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Quant Time: Dec 02 03:15:43 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

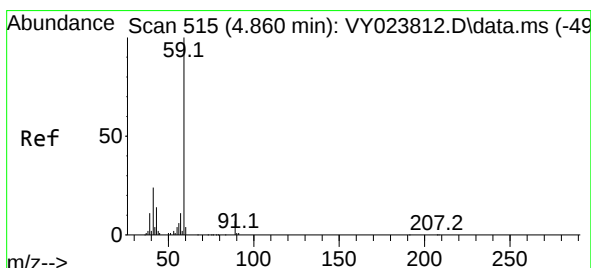
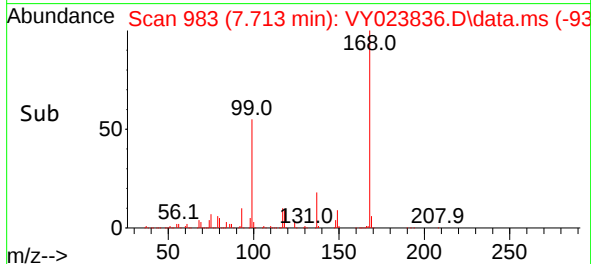
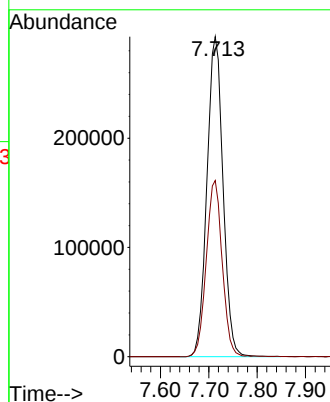
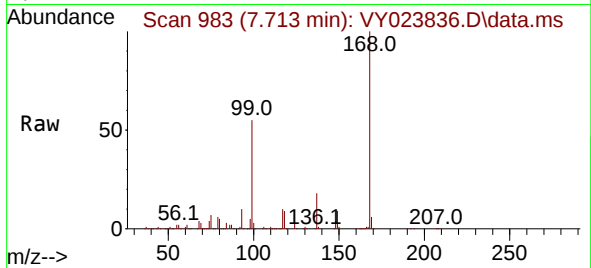




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

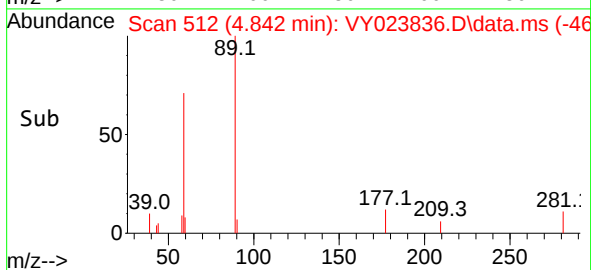
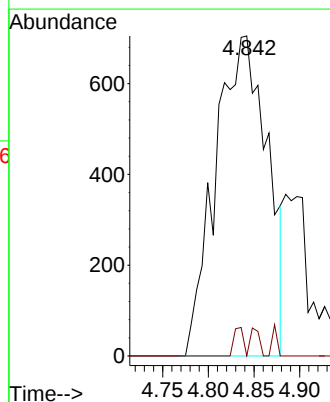
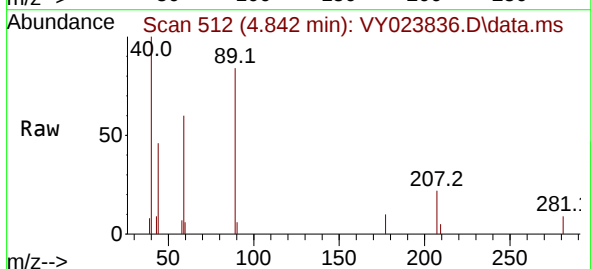
Instrument :
MSVOA_Y
ClientSampleId :
WC1

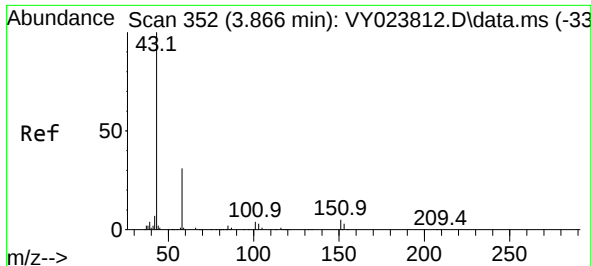
Tgt Ion:168 Resp: 675919
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 5.124 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion: 59 Resp: 2770
Ion Ratio Lower Upper
59 100
57 1.5 8.0 12.0#





#16

Acetone

Concen: 1.293 ug/l

RT: 3.885 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

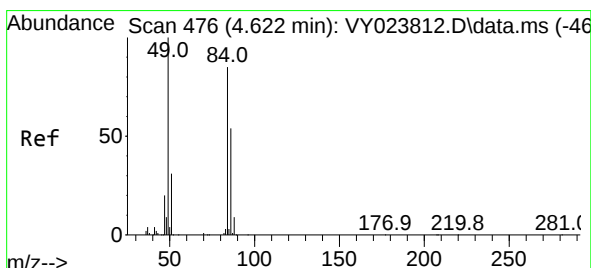
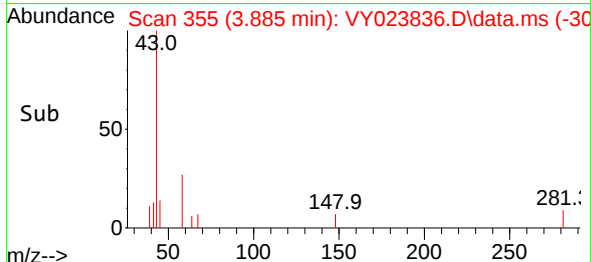
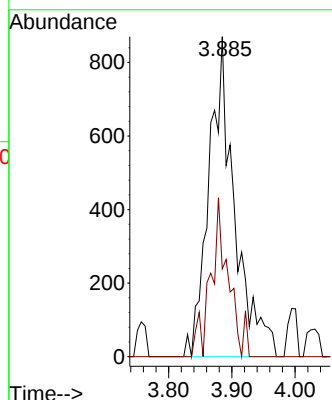
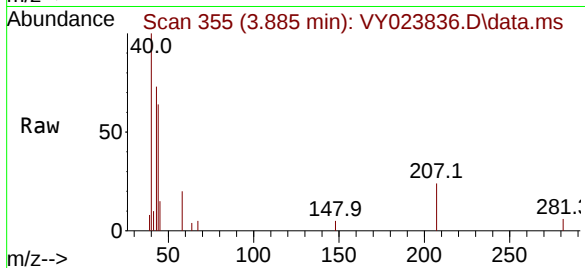
WC1

Tgt Ion: 43 Resp: 2452

Ion Ratio Lower Upper

43 100

58 27.5 25.4 38.2



#20

Methylene Chloride

Concen: 2.035 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

Tgt Ion: 84 Resp: 16316

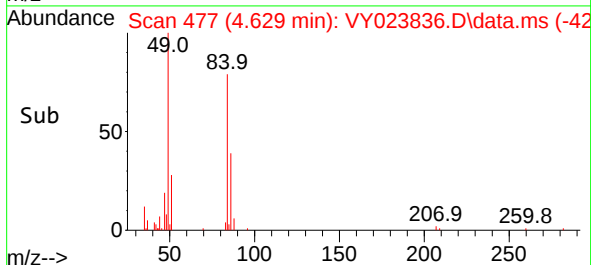
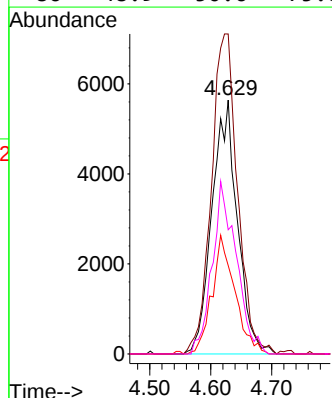
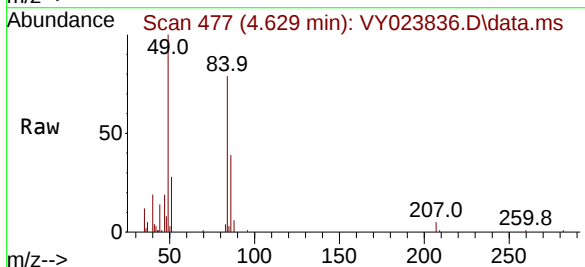
Ion Ratio Lower Upper

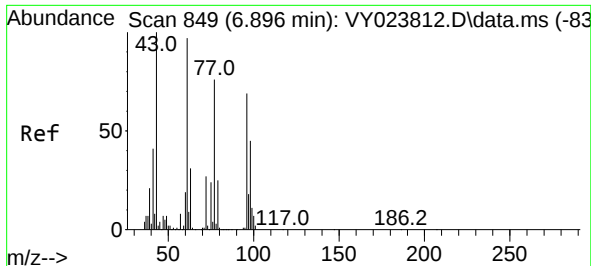
84 100

49 126.0 94.0 141.0

51 34.8 29.2 43.8

86 48.9 50.6 75.8#

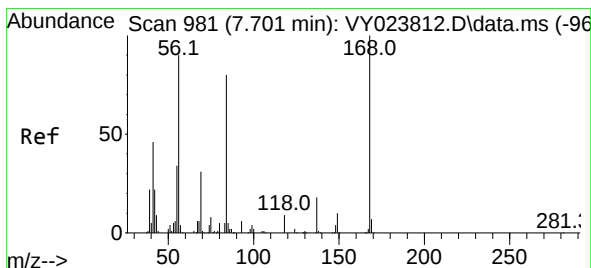
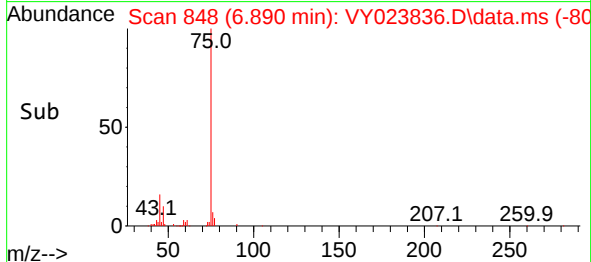
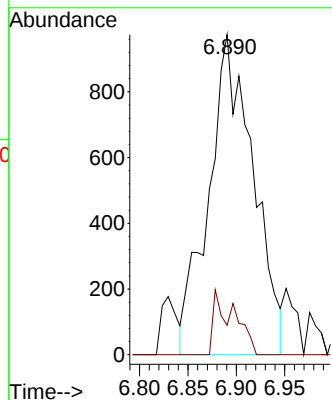
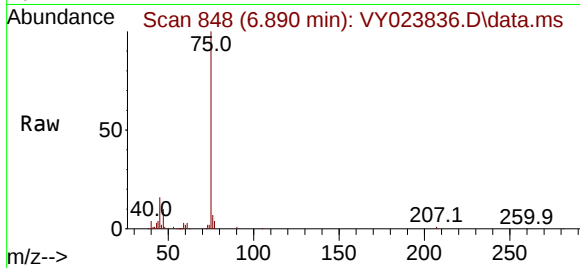




#25
2-Butanone
Concen: 1.345 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

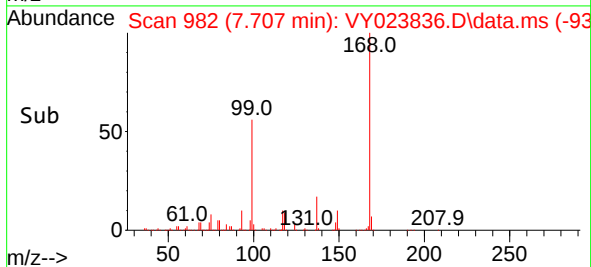
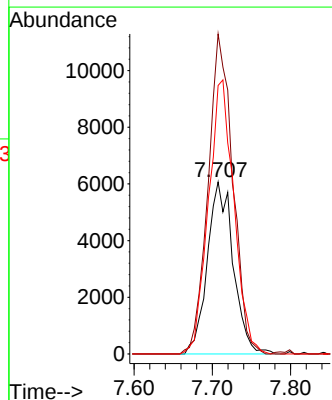
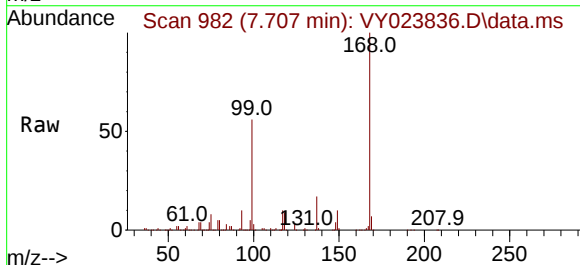
Instrument :
MSVOA_Y
ClientSampleId :
WC1

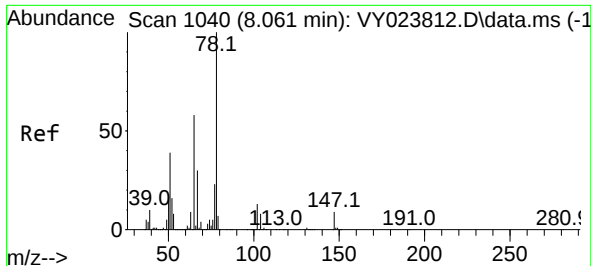
Tgt Ion: 43 Resp: 3112
Ion Ratio Lower Upper
43 100
72 10.2 21.3 31.9#



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion: 56 Resp: 13942
Ion Ratio Lower Upper
56 100
69 186.0 27.8 41.6#
84 156.0 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 63.027 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

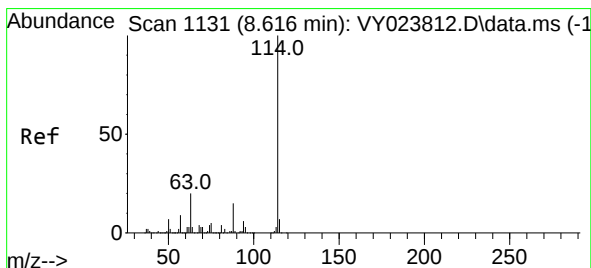
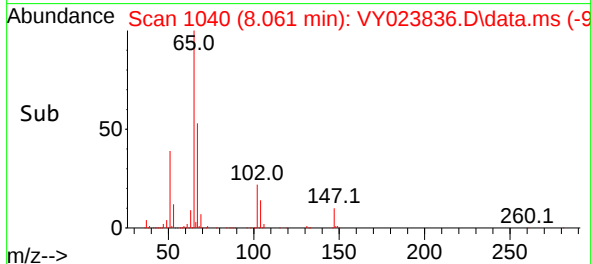
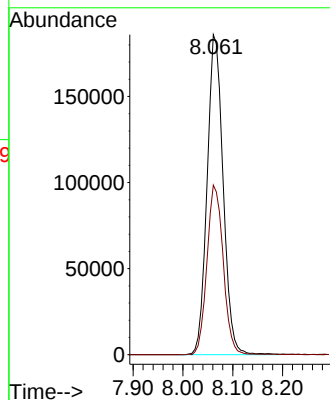
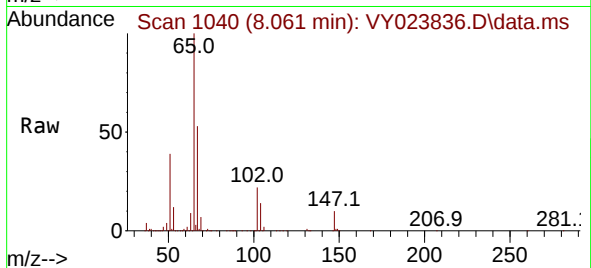
WC1

Tgt Ion: 65 Resp: 414869

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

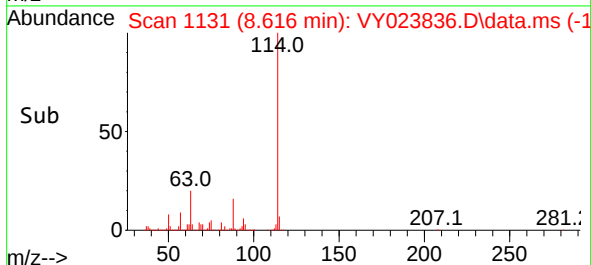
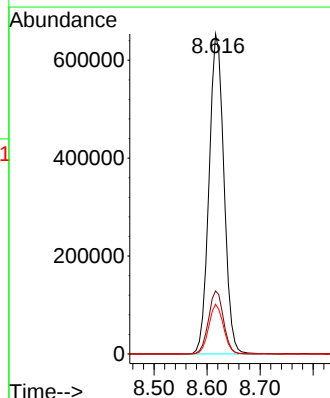
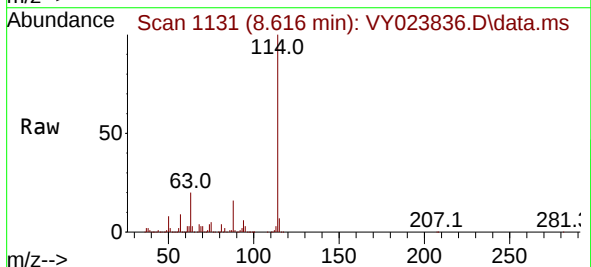
Tgt Ion:114 Resp: 1275968

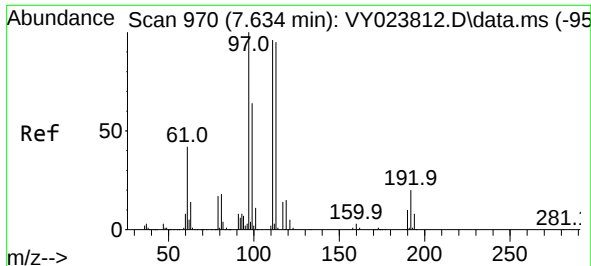
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 15.6 0.0 30.8

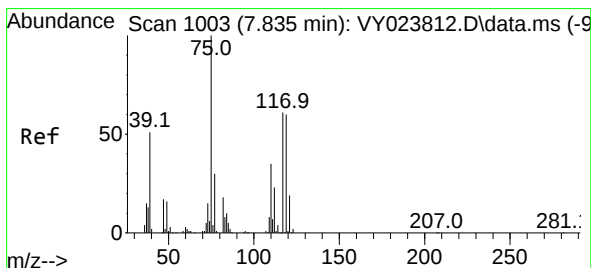
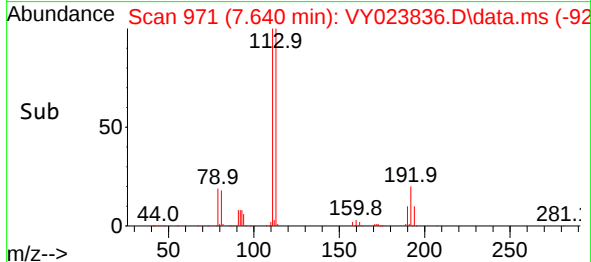
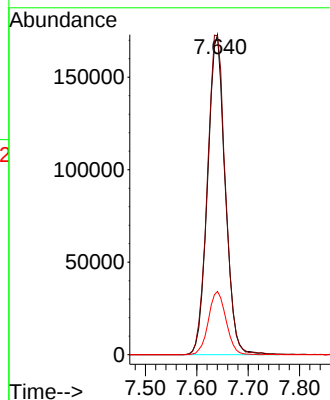
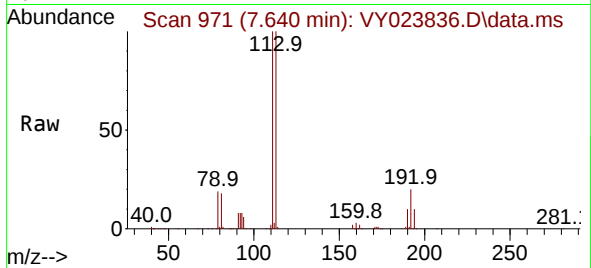




#35
Dibromofluoromethane
Concen: 54.204 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

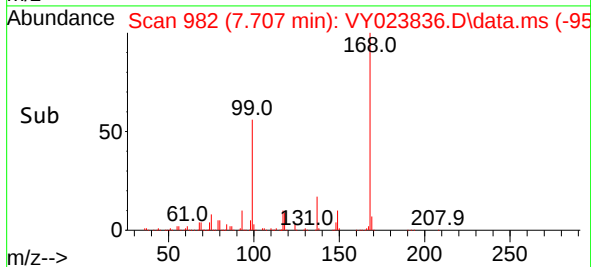
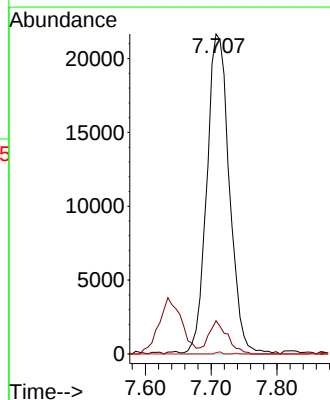
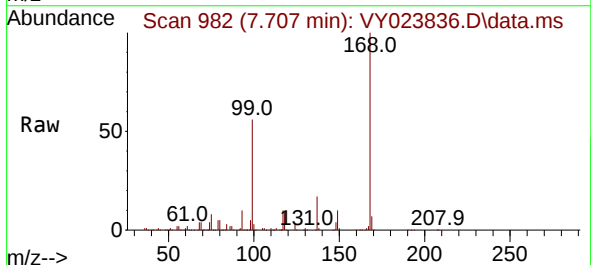
Instrument :
MSVOA_Y
ClientSampleId :
WC1

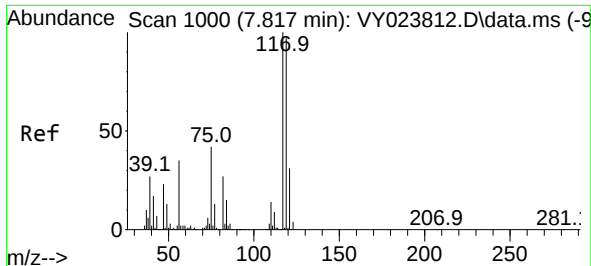
Tgt Ion:113 Resp: 409711
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 19.9 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion: 75 Resp: 51809
Ion Ratio Lower Upper
75 100
110 8.8 17.6 52.8#
77 0.2 24.9 37.3#

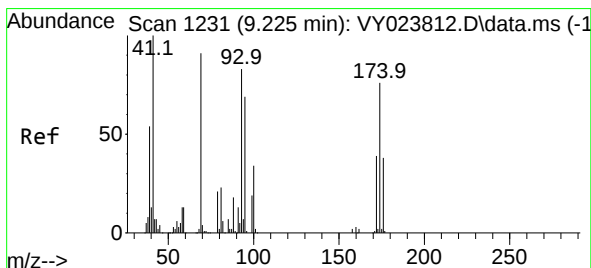
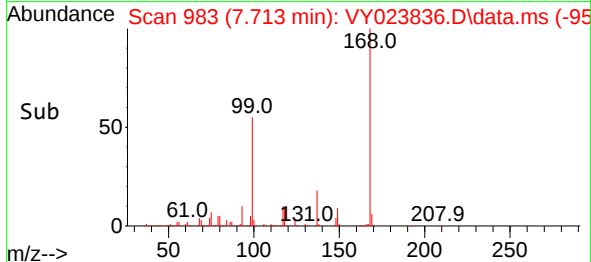
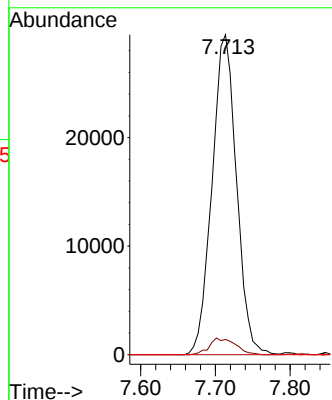
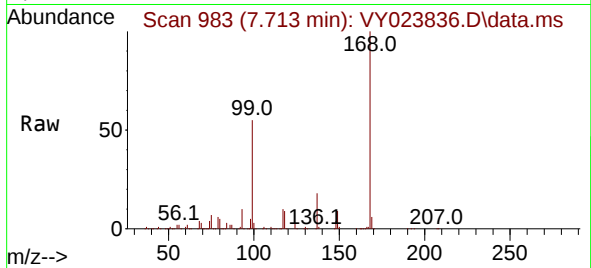




#38
Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

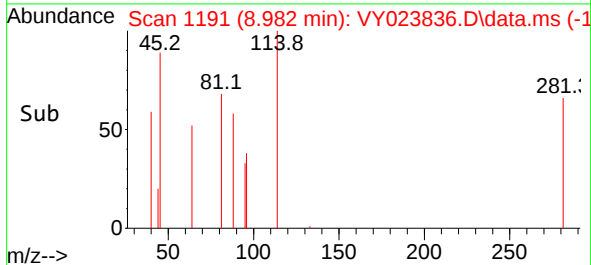
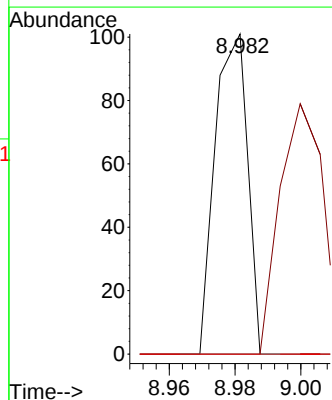
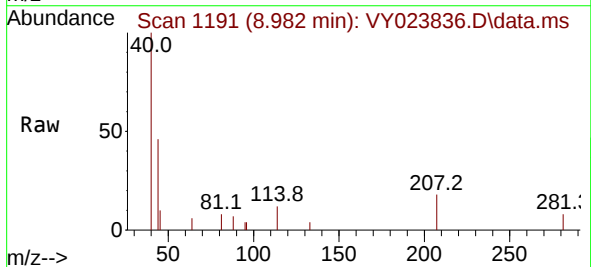
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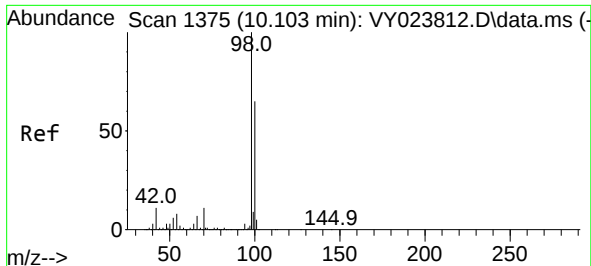
Tgt Ion:117 Resp: 66983
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 1.349 ug/l
RT: 8.982 min Scan# 1191
Delta R.T. -0.244 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 102.9 24.6 37.0#
58 0.0 53.4 80.2#

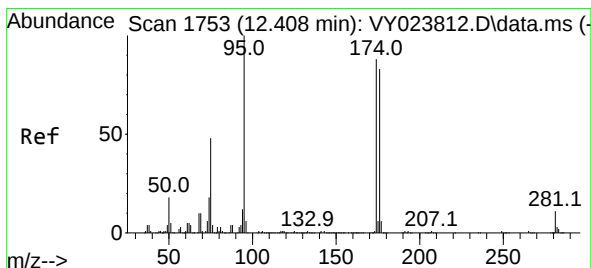
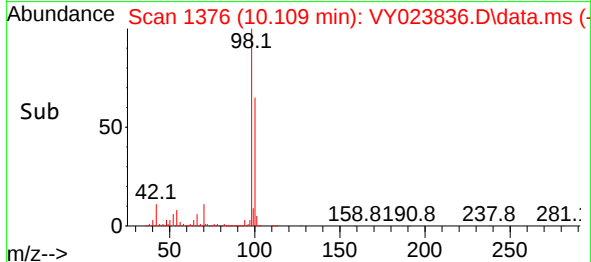
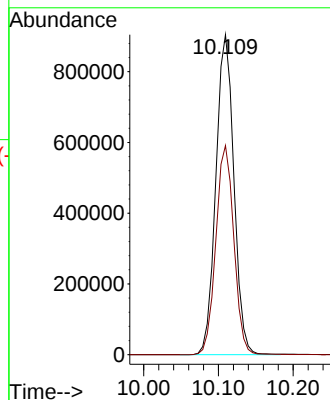
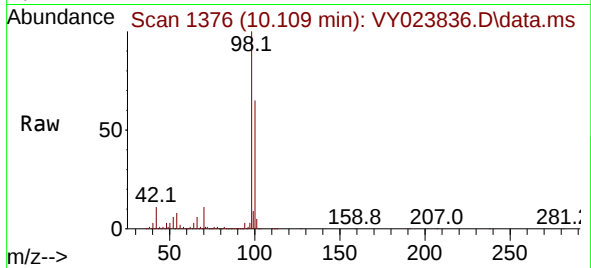




#50
Toluene-d8
Concen: 50.498 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

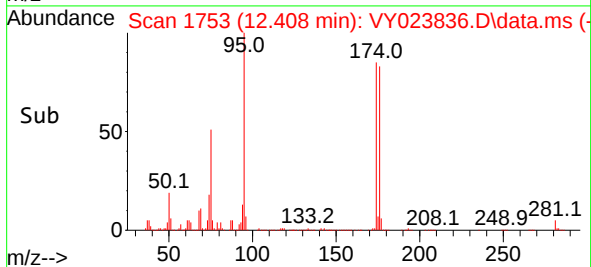
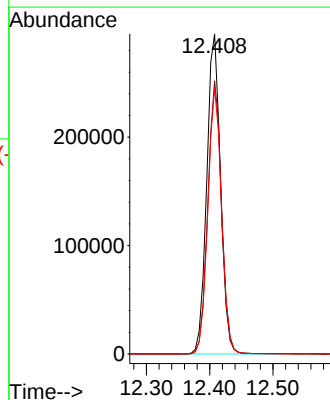
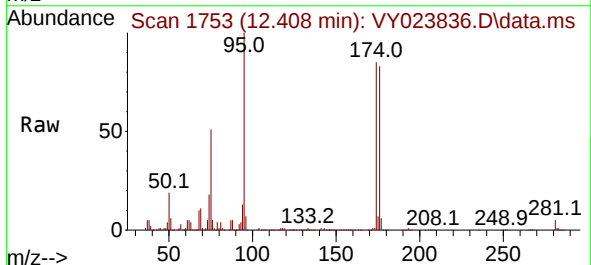
Instrument :
MSVOA_Y
ClientSampleId :
WC1

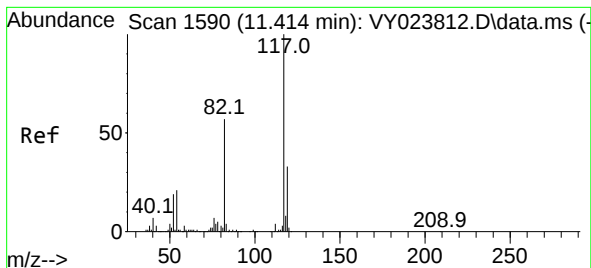
Tgt Ion: 98 Resp: 1516112
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.254 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion: 95 Resp: 447050
Ion Ratio Lower Upper
95 100
174 85.5 0.0 168.6
176 82.4 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: VY023836.D

Acq: 01 Dec 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

WC1

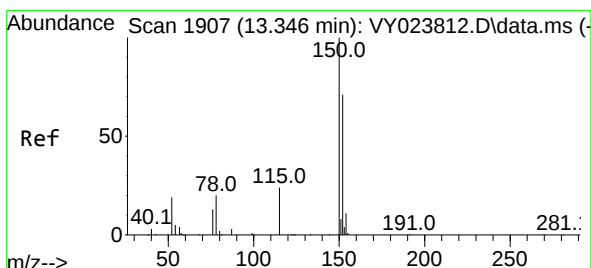
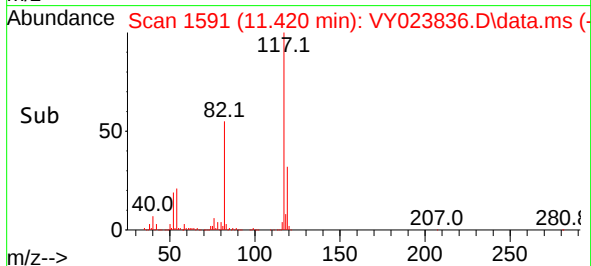
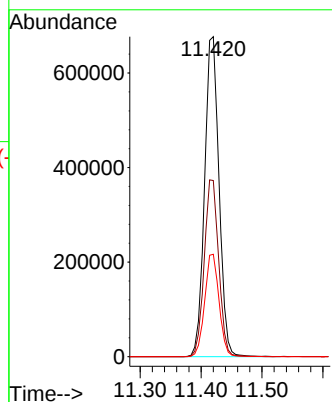
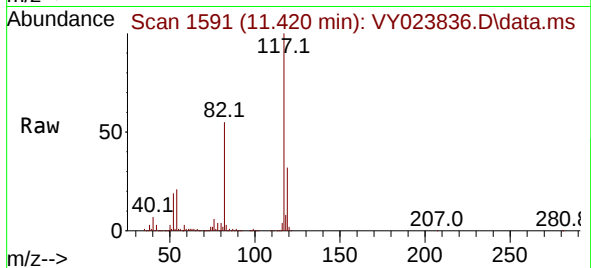
Tgt Ion:117 Resp: 1114794

Ion Ratio Lower Upper

117 100

82 55.0 45.4 68.0

119 32.0 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

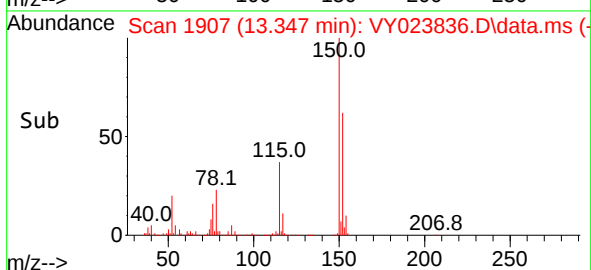
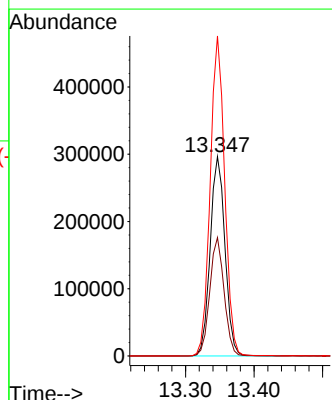
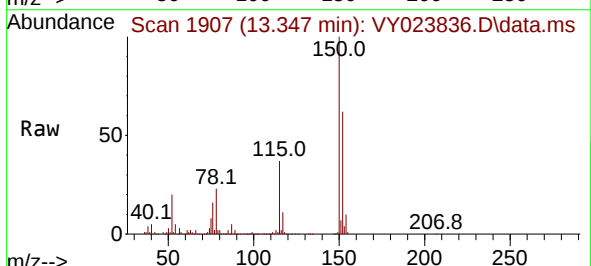
Tgt Ion:152 Resp: 445014

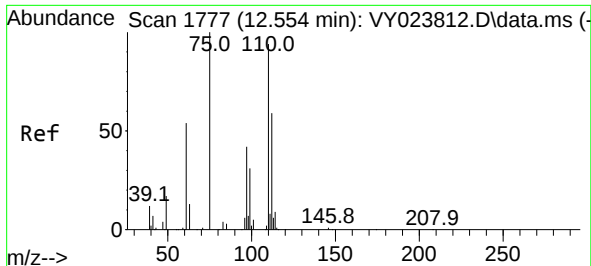
Ion Ratio Lower Upper

152 100

115 57.7 28.7 86.3

150 157.1 0.0 345.6

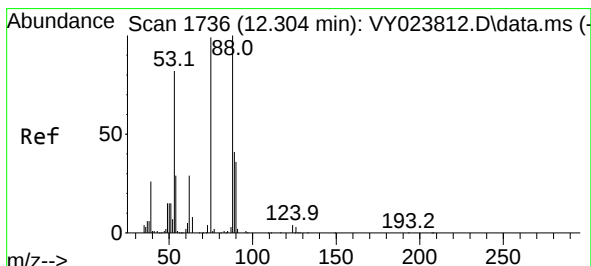
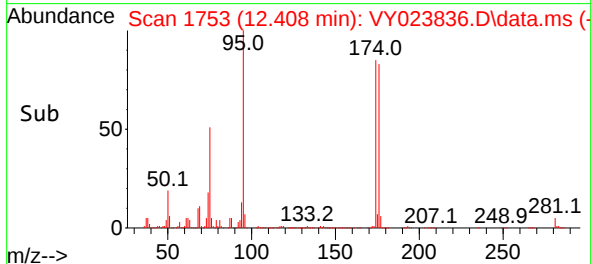
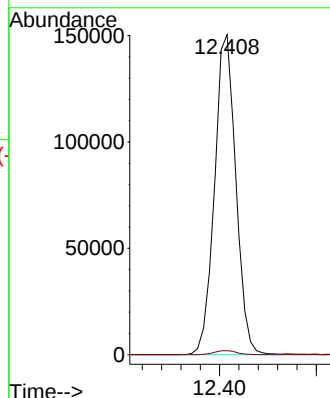
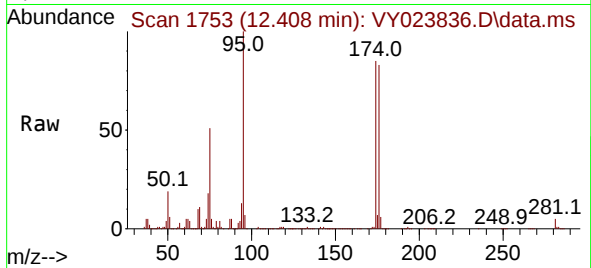




#76
1,2,3-Trichloropropane
Concen: 59.421 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 75 Resp: 229956
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.599 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion: 75 Resp: 229956
Ion Ratio Lower Upper
75 100
53 0.2 71.3 106.9#
89 0.2 37.0 55.4#

