

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023503.D
 Acq On : 20 Oct 2025 12:54
 Operator : SY/MD
 Sample : Q3374-07
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 03:57:41 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)

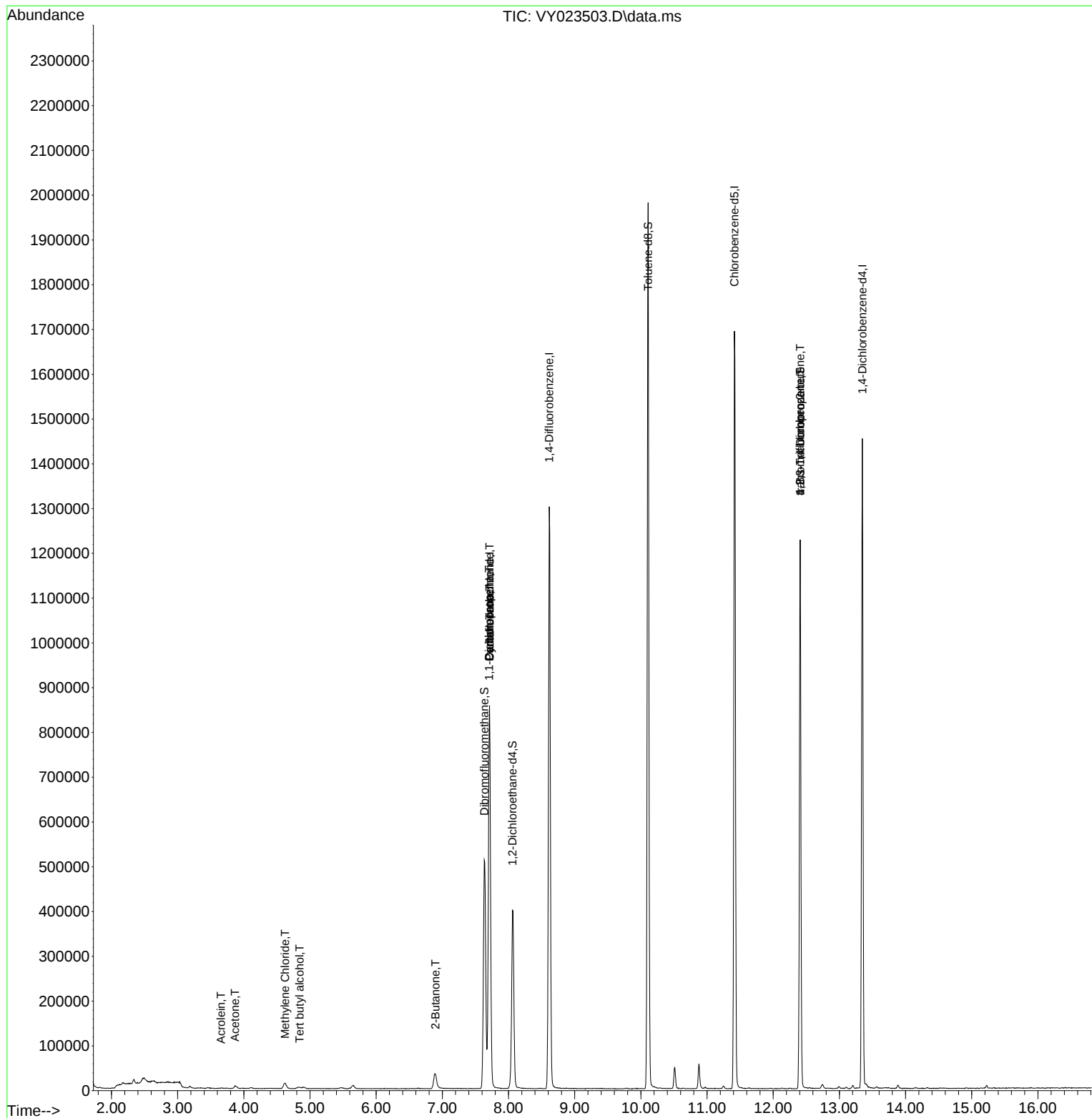
Internal Standards						
1) Pentafluorobenzene	7.713	168	718718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1177421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	987294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	387097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	308616	51.350	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.700%	
35) Dibromofluoromethane	7.634	113	371502	51.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.700%	
50) Toluene-d8	10.109	98	1325252	49.188	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.380%	
62) 4-Bromofluorobenzene	12.408	95	354974	39.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	3847	8.604	ug/l #	74
13) Acrolein	3.653	56	869	1.375	ug/l #	47
16) Acetone	3.867	43	10276	7.182	ug/l	99
20) Methylene Chloride	4.622	84	9367	1.211	ug/l	95
25) 2-Butanone	6.896	43	3339	1.912	ug/l	91
31) Cyclohexane	7.713	56	11980	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	47322	4.941	ug/l #	48
38) Carbon Tetrachloride	7.713	117	64850	5.584	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	174625	51.131	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	174625	125.384	ug/l #	15

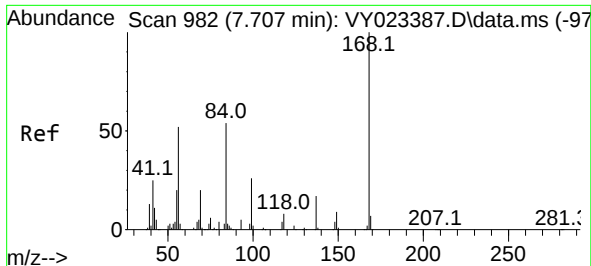
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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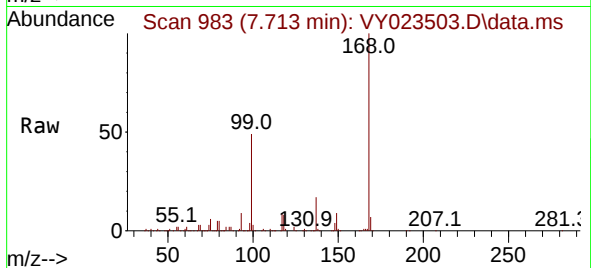
Quant Time: Oct 21 03:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
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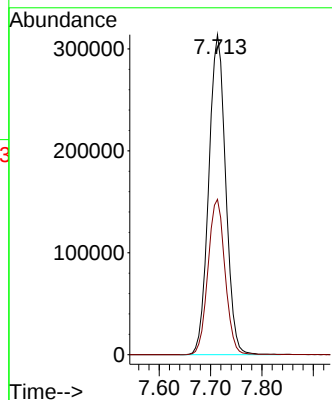
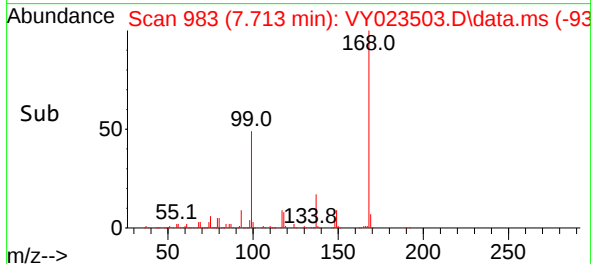


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :

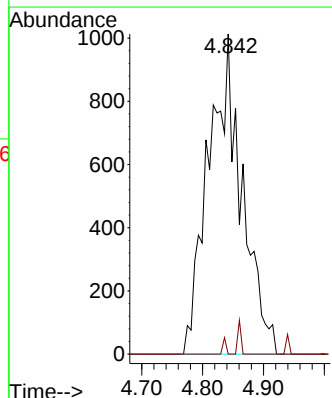
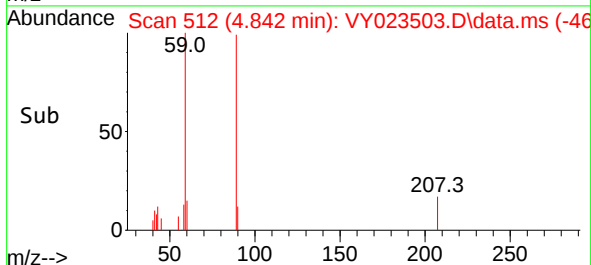
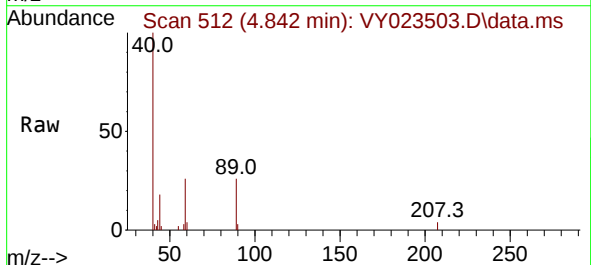


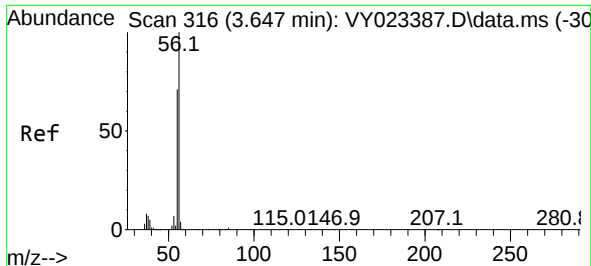
Tgt Ion:168 Resp: 718718
Ion Ratio Lower Upper
168 100
99 48.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 8.604 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Tgt Ion: 59 Resp: 3847
Ion Ratio Lower Upper
59 100
57 0.5 8.3 12.5#

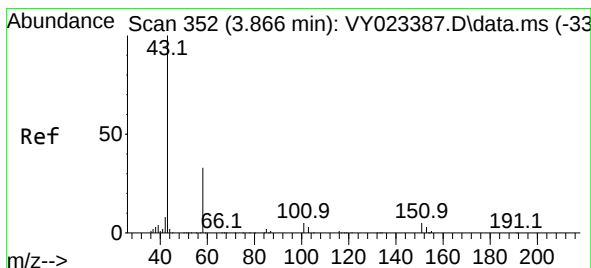
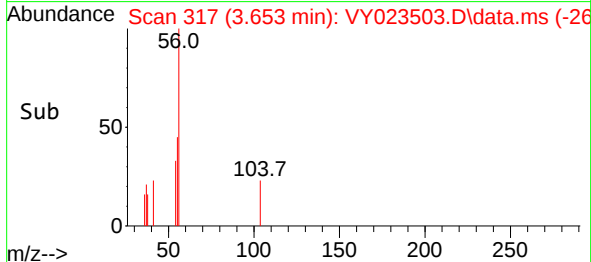
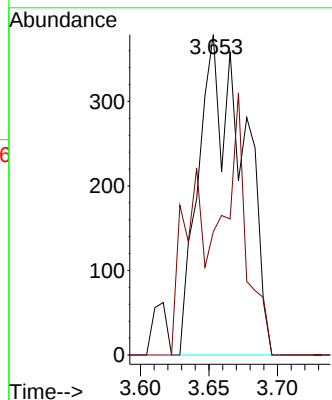
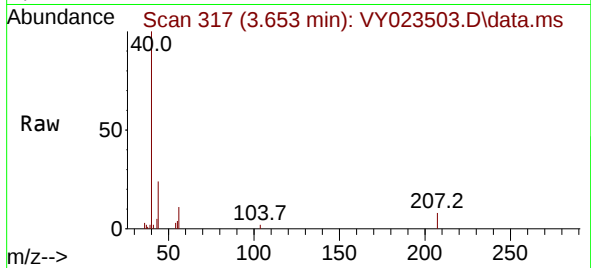




#13
Acrolein
Concen: 1.375 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

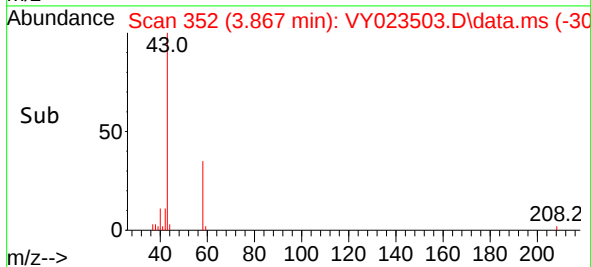
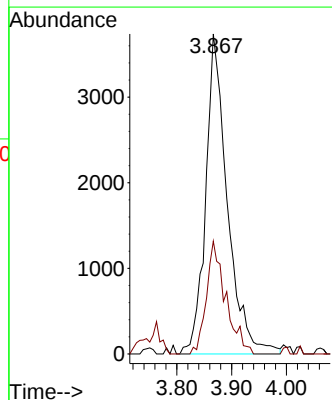
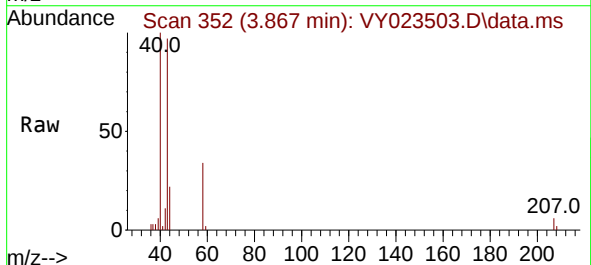
Instrument :
MSVOA_Y
ClientSampleId :

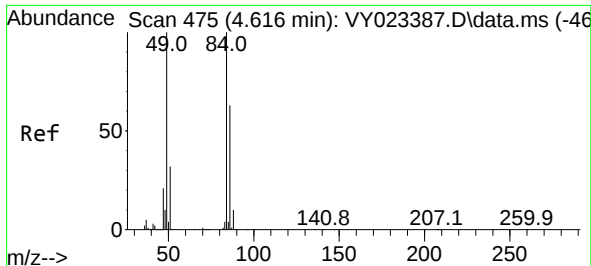
Tgt Ion: 56 Resp: 869
Ion Ratio Lower Upper
56 100
55 26.8 56.1 84.1#



#16
Acetone
Concen: 7.182 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Tgt Ion: 43 Resp: 10276
Ion Ratio Lower Upper
43 100
58 35.3 27.7 41.5



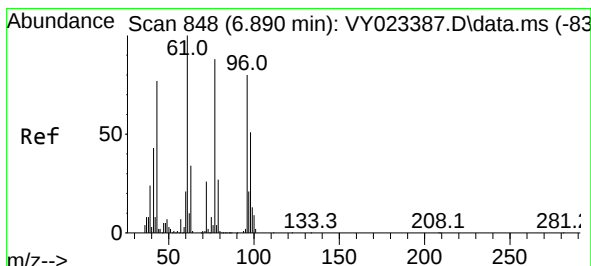
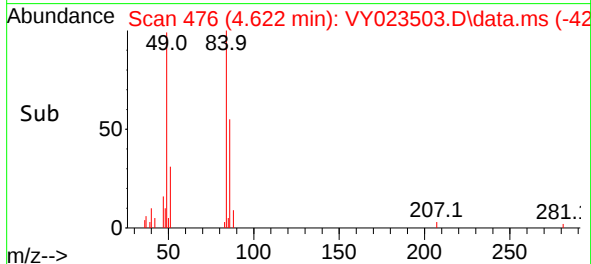
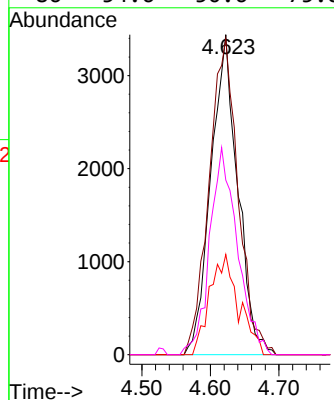
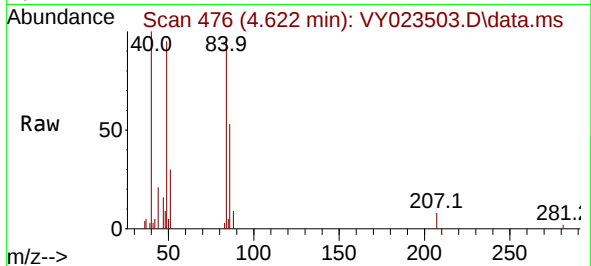


#20
Methylene Chloride
Concen: 1.211 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 9367

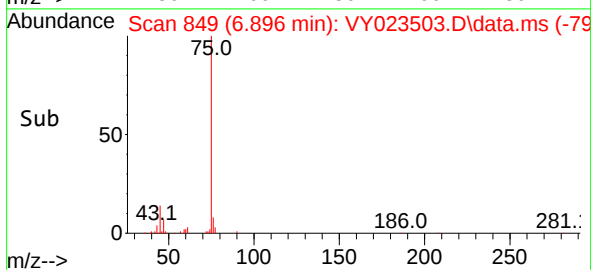
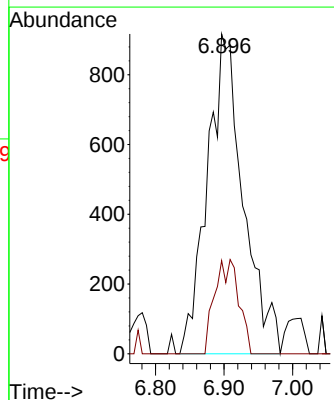
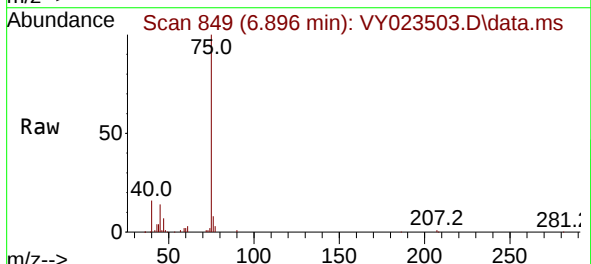
Ion	Ratio	Lower	Upper
84	100		
49	98.7	80.2	120.4
51	31.3	25.9	38.9
86	54.6	50.6	75.8

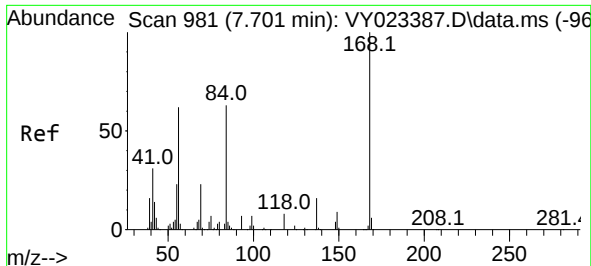


#25
2-Butanone
Concen: 1.912 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Tgt Ion: 43 Resp: 3339

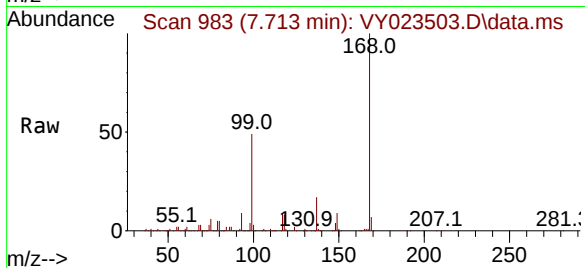
Ion	Ratio	Lower	Upper
43	100		
72	29.1	27.4	41.2



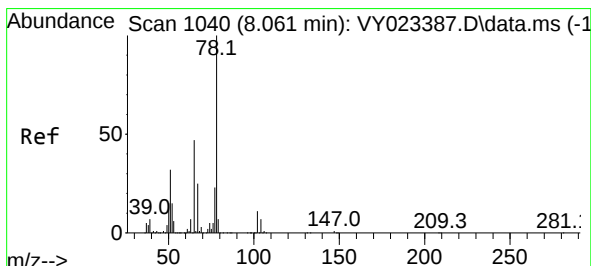
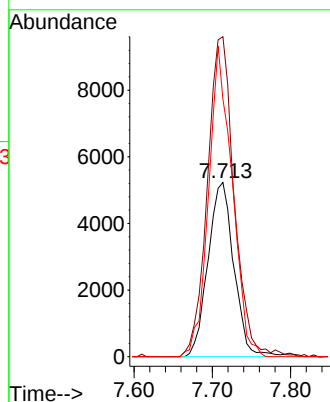
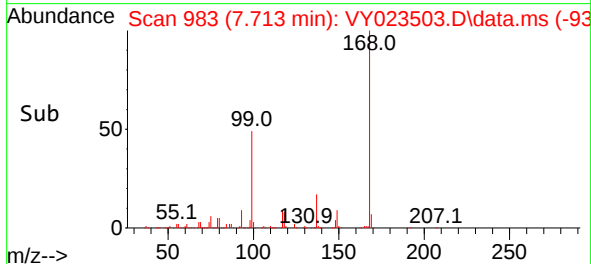


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :

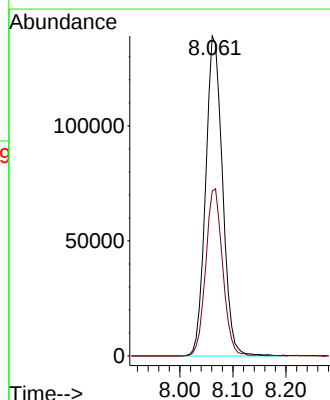
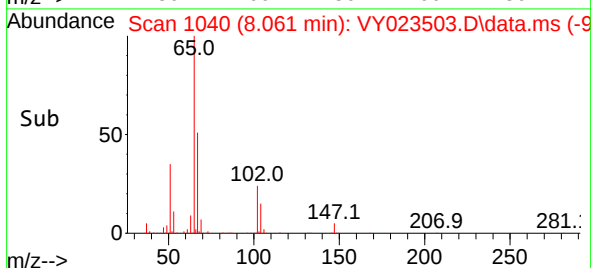
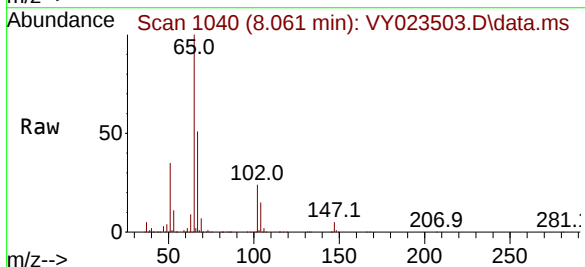


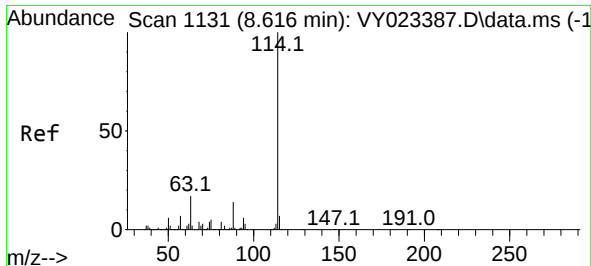
Tgt Ion: 56 Resp: 11980
Ion Ratio Lower Upper
56 100
69 183.7 30.0 45.0#
84 147.8 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 51.350 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Tgt Ion: 65 Resp: 308616
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8

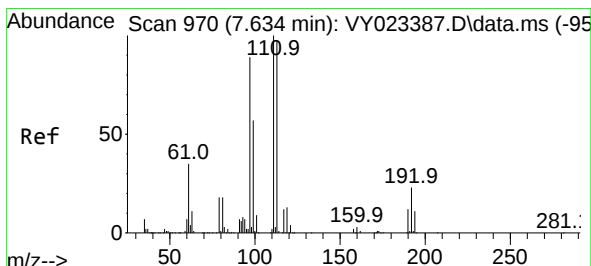
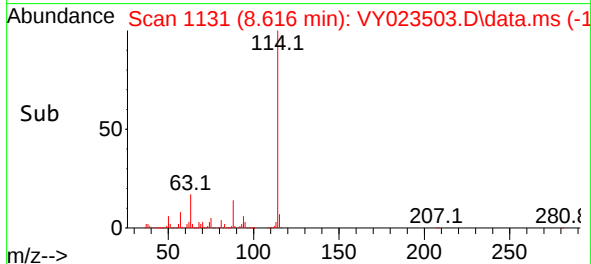
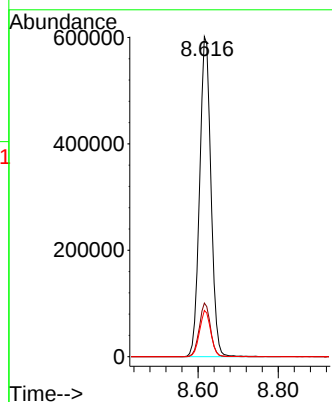
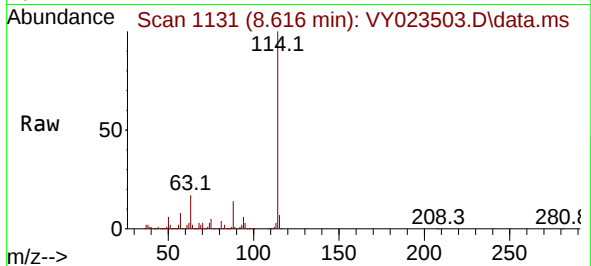




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

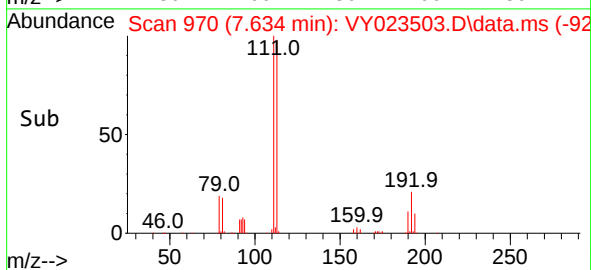
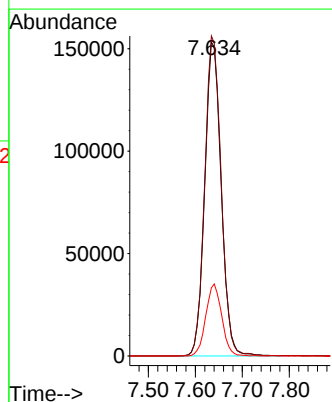
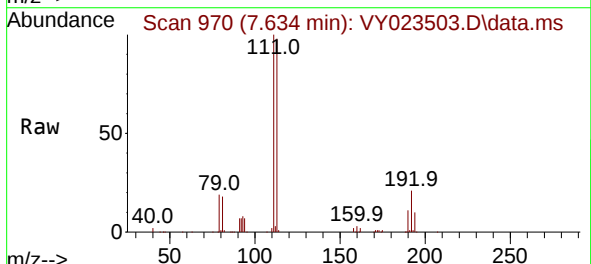
Instrument :
MSVOA_Y
ClientSampleId :

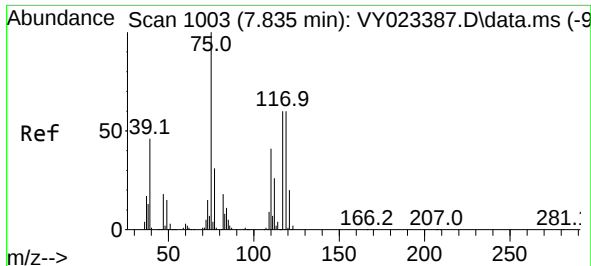
Tgt Ion:114 Resp: 1177421
Ion Ratio Lower Upper
114 100
63 16.8 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.350 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Tgt Ion:113 Resp: 371502
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.941 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023503.D

Acq: 20 Oct 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

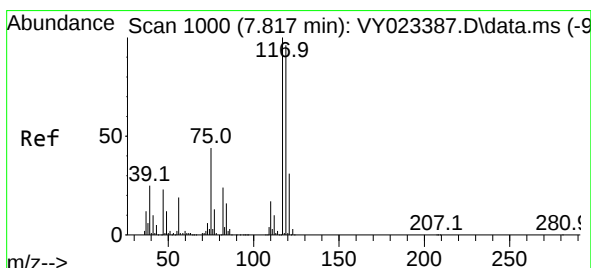
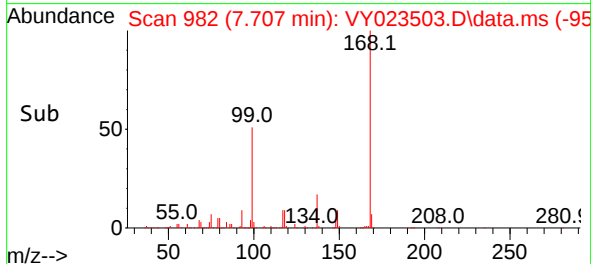
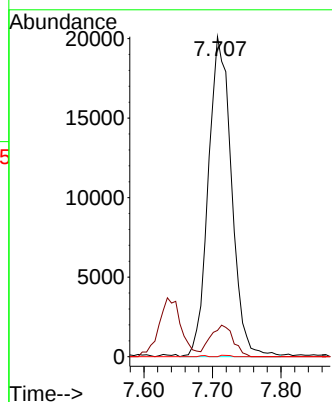
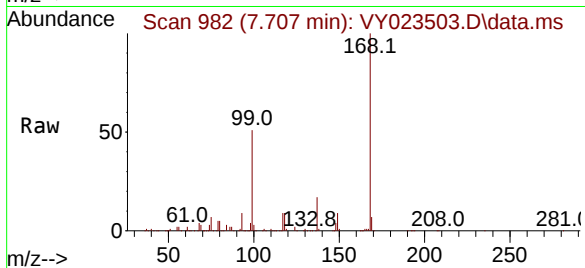
Tgt Ion: 75 Resp: 47322

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.584 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023503.D

Acq: 20 Oct 2025 12:54

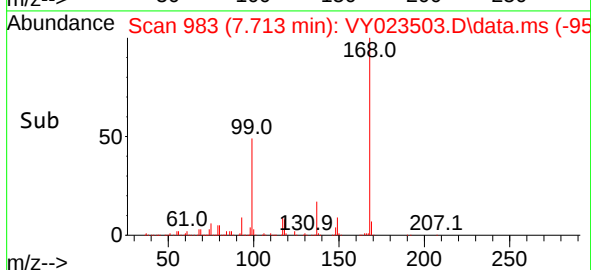
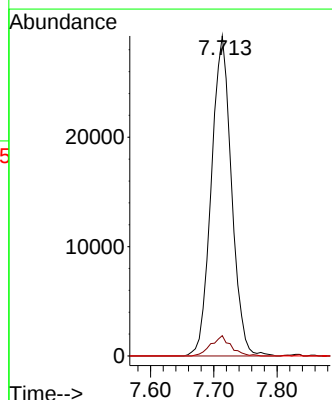
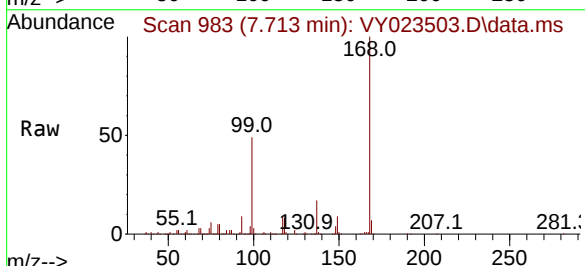
Tgt Ion: 117 Resp: 64850

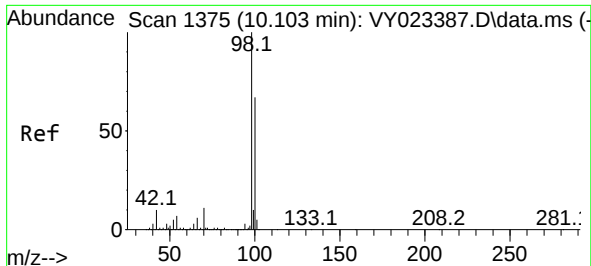
Ion Ratio Lower Upper

117 100

119 6.4 76.8 115.2#

121 0.0 24.5 36.7#

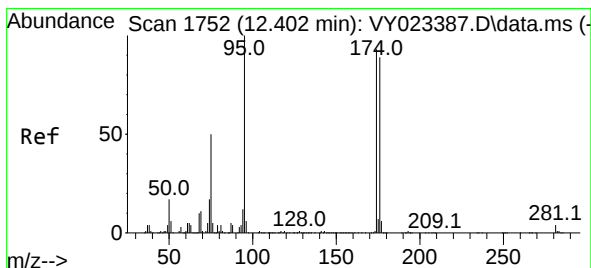
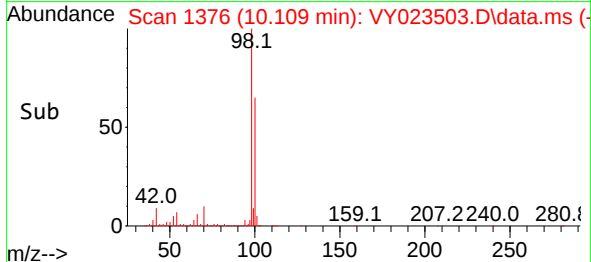
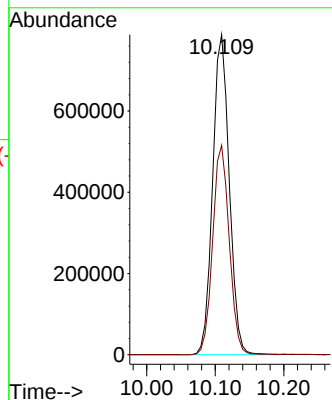
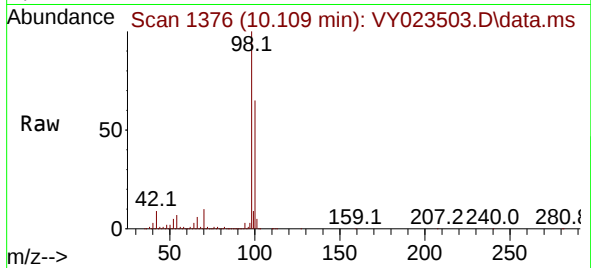




#50
Toluene-d8
Concen: 49.188 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

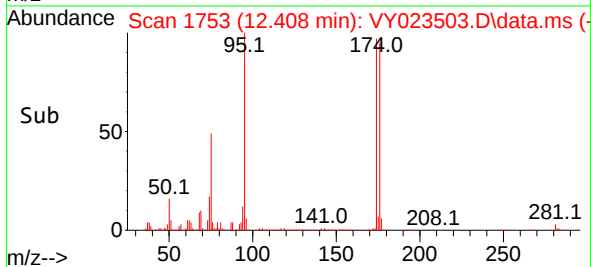
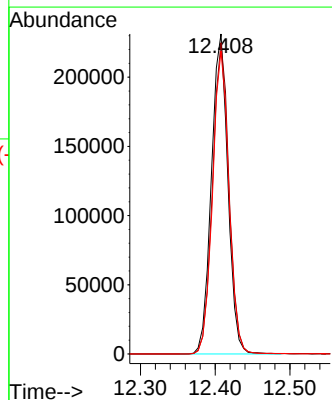
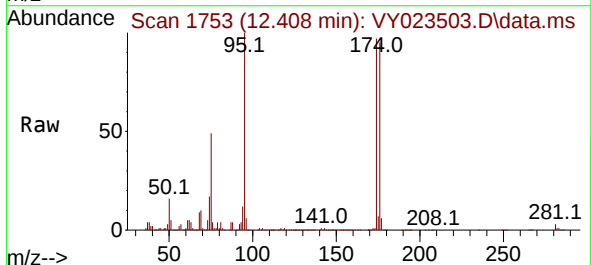
Instrument :
MSVOA_Y
ClientSampleId :

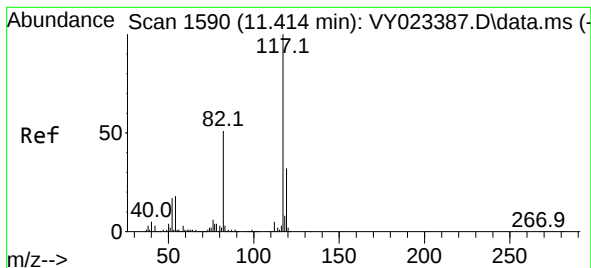
Tgt Ion: 98 Resp: 1325252
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 39.907 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Tgt Ion: 95 Resp: 354974
Ion Ratio Lower Upper
95 100
174 97.8 0.0 192.8
176 94.3 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: VY023503.D

Acq: 20 Oct 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

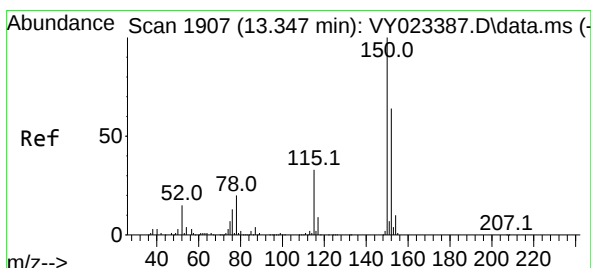
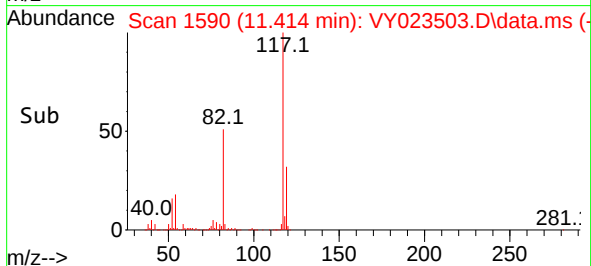
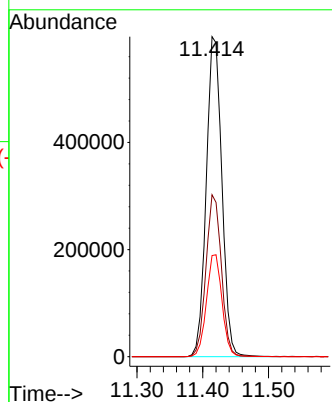
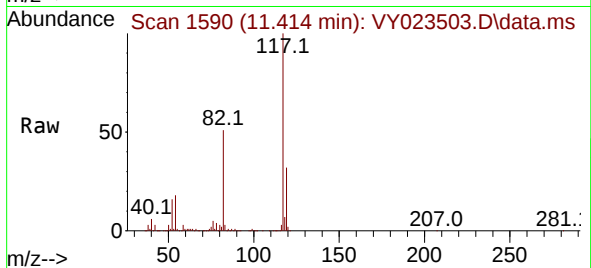
Tgt Ion:117 Resp: 987294

Ion Ratio Lower Upper

117 100

82 50.6 41.0 61.4

119 31.6 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: VY023503.D

Acq: 20 Oct 2025 12:54

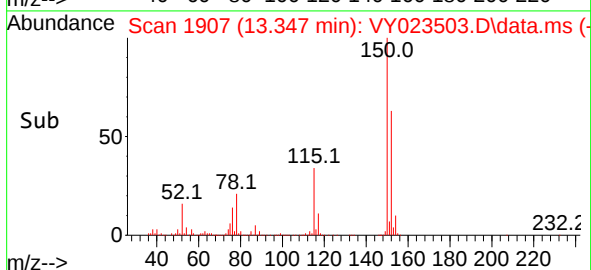
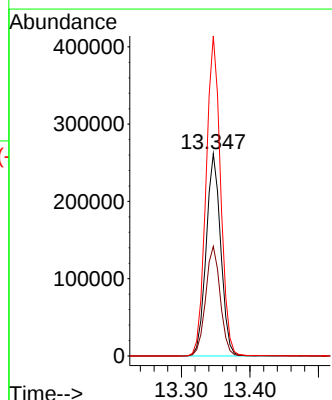
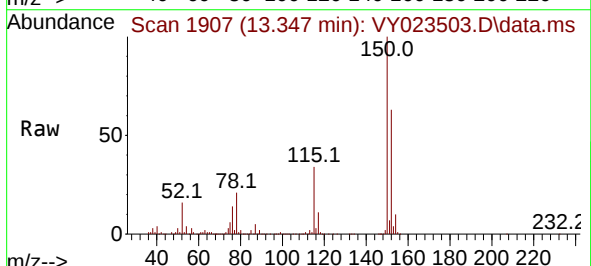
Tgt Ion:152 Resp: 387097

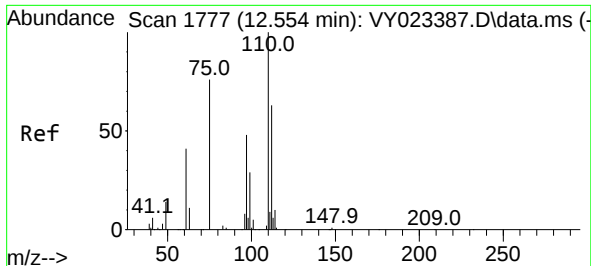
Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.2

150 158.1 0.0 347.4

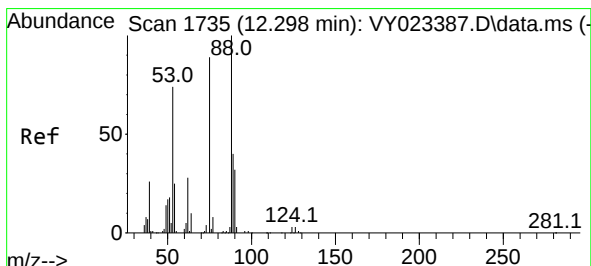
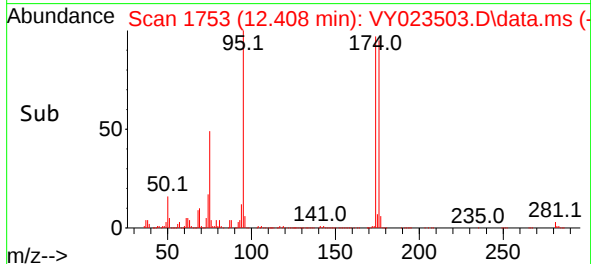
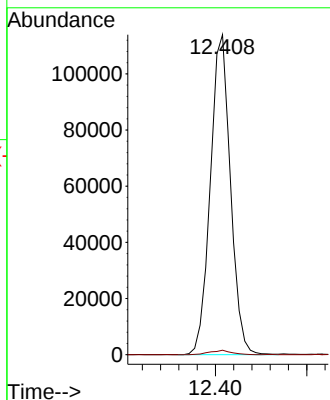
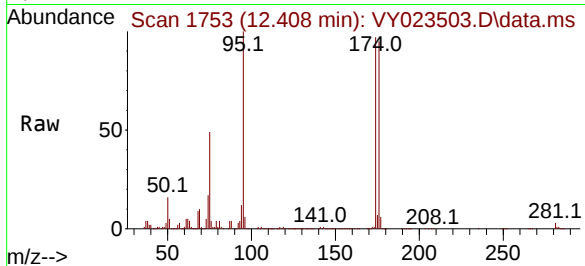




#76
1,2,3-Trichloropropane
Concen: 51.131 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 174625
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.384 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023503.D
Acq: 20 Oct 2025 12:54

Tgt Ion: 75 Resp: 174625
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

