

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023560.D
 Acq On : 24 Oct 2025 09:24
 Operator : SY/MD
 Sample : VY1024SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBL01

Quant Time: Oct 24 23:46:37 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)

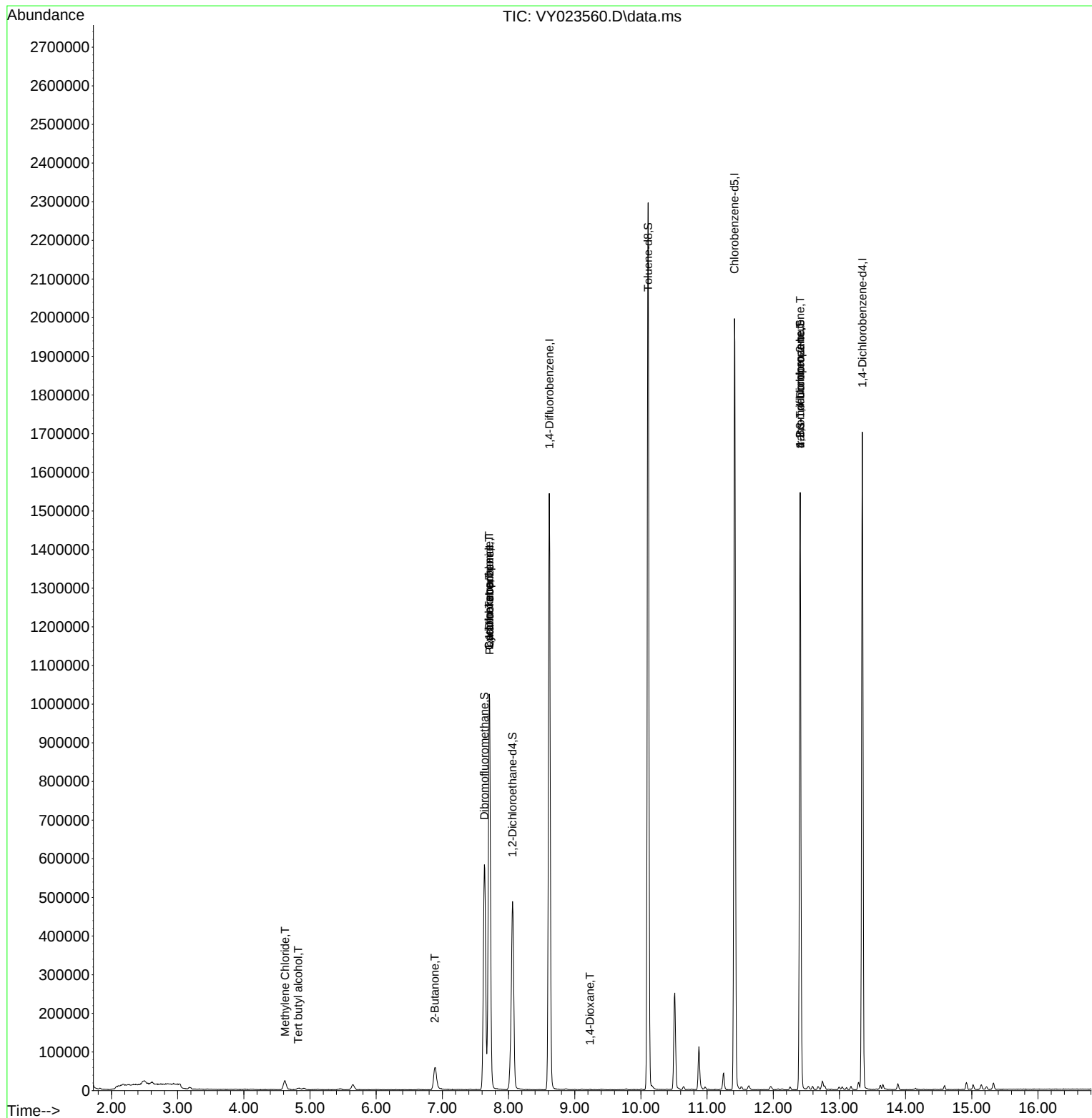
Internal Standards						
1) Pentafluorobenzene	7.713	168	898566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1421897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1164716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	469443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333317	44.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.720%		
35) Dibromofluoromethane	7.634	113	425849	48.742	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.480%		
50) Toluene-d8	10.109	98	1553516	47.746	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.500%		
62) 4-Bromofluorobenzene	12.408	95	436342	40.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.240%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.824	59	4245	7.594	ug/l #	74
20) Methylene Chloride	4.622	84	18826	1.946	ug/l	87
25) 2-Butanone	6.884	43	3069	1.405	ug/l #	60
31) Cyclohexane	7.707	56	14099	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	55439	4.793	ug/l #	47
38) Carbon Tetrachloride	7.707	117	79133	5.642	ug/l #	15
49) 1,4-Dioxane	9.231	88	196	3.304	ug/l #	36
76) 1,2,3-Trichloropropane	12.408	75	205974	49.731	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	205974	121.951	ug/l #	15

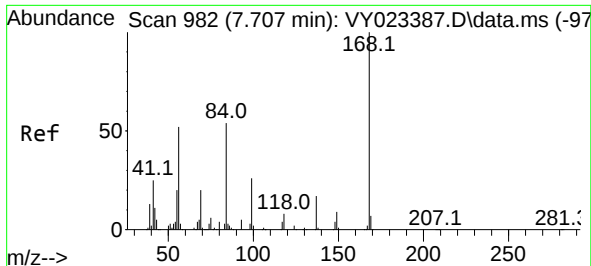
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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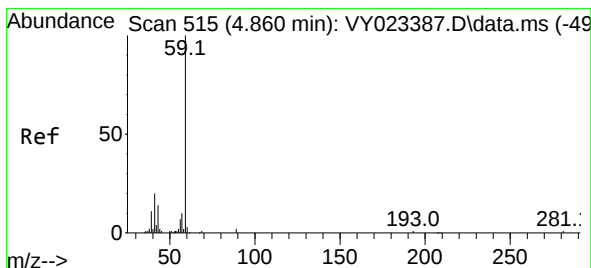
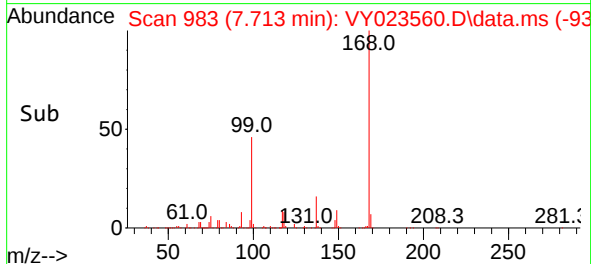
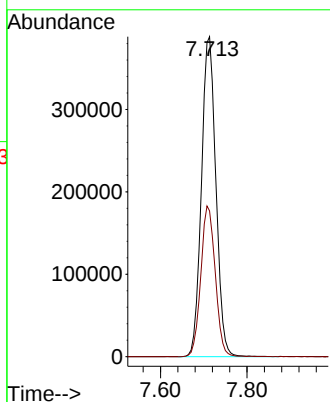
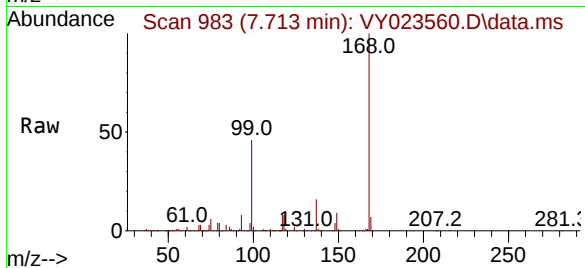




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

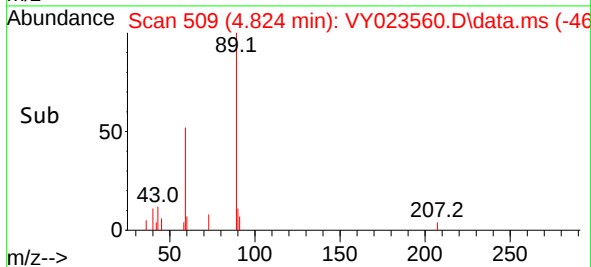
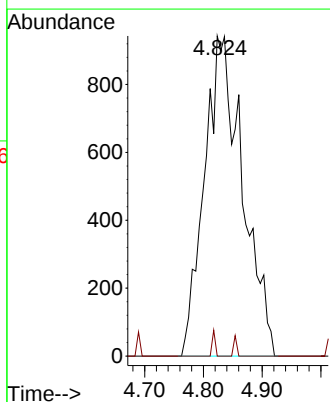
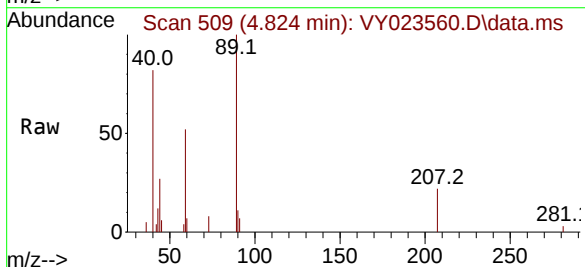
Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

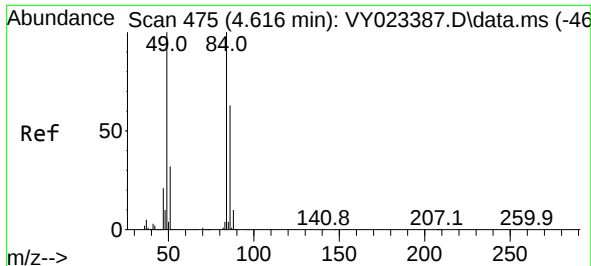
Tgt Ion:168 Resp: 898566
Ion Ratio Lower Upper
168 100
99 45.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 7.594 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion: 59 Resp: 4245
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#

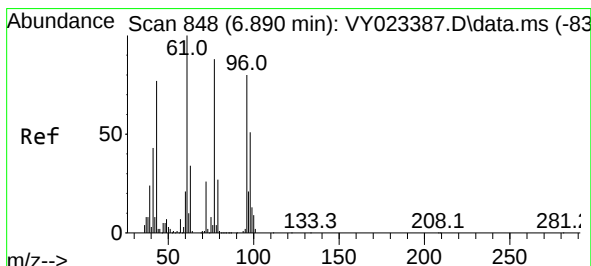
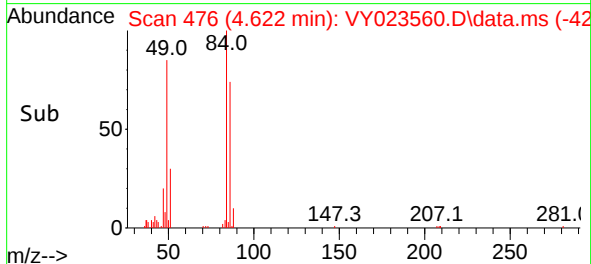
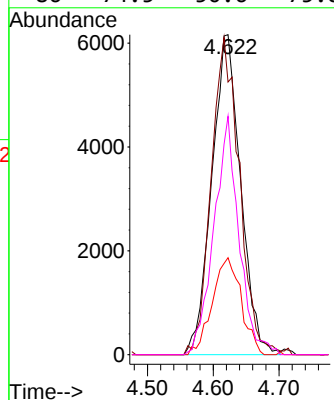
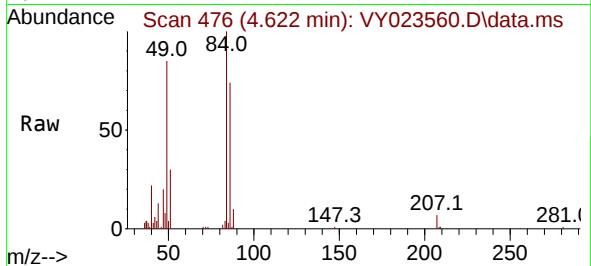




#20
Methylene Chloride
Concen: 1.946 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

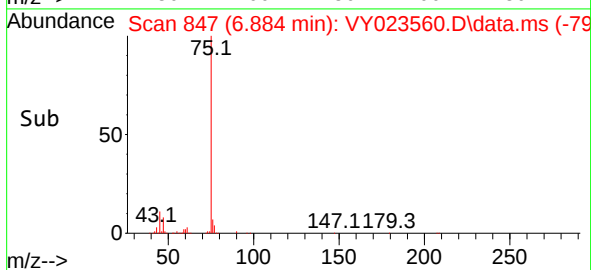
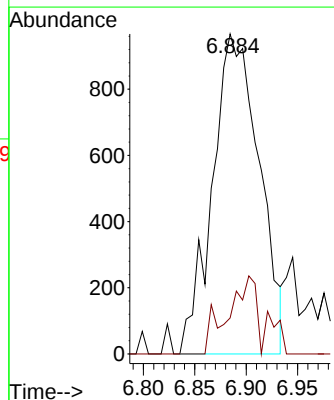
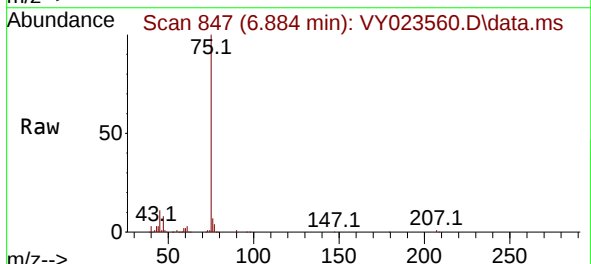
Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

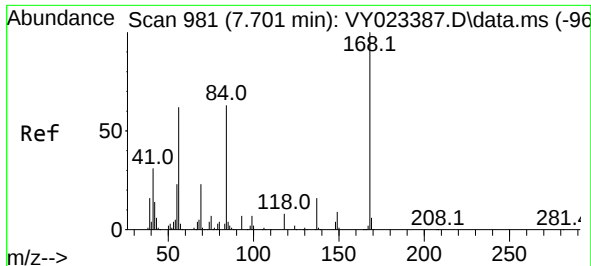
Tgt Ion:	84	Resp:	18826
Ion	Ratio	Lower	Upper
84	100		
49	85.2	80.2	120.4
51	30.3	25.9	38.9
86	74.5	50.6	75.8



#25
2-Butanone
Concen: 1.405 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion:	43	Resp:	3069
Ion	Ratio	Lower	Upper
43	100		
72	11.3	27.4	41.2#

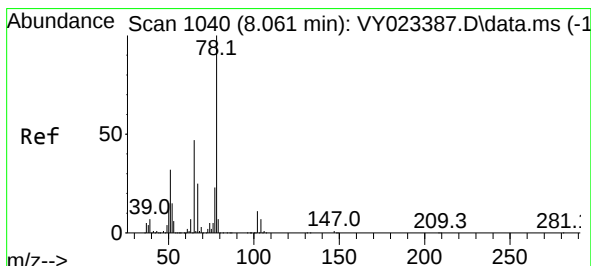
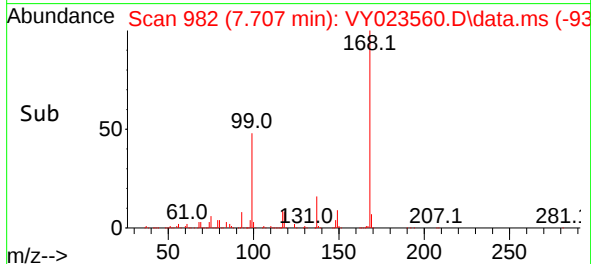
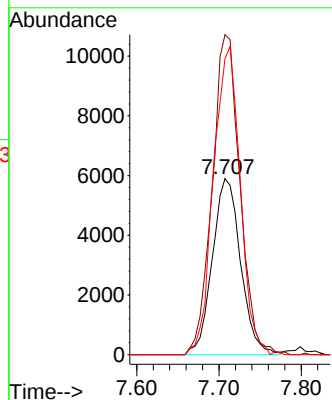
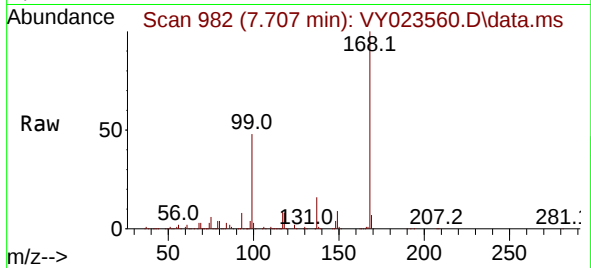




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

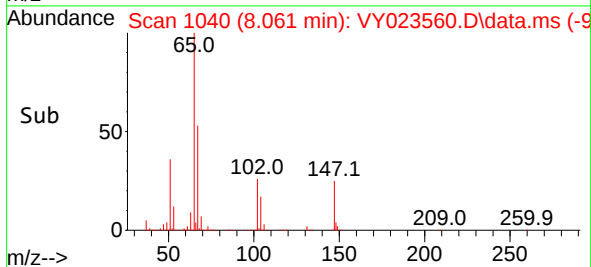
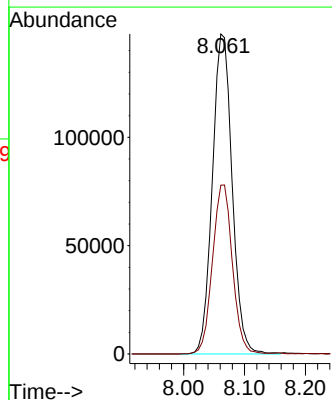
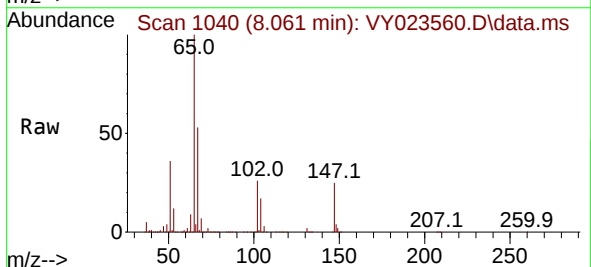
Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

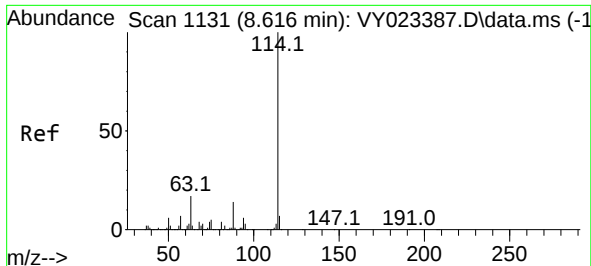
Tgt Ion: 56 Resp: 14099
Ion Ratio Lower Upper
56 100
69 181.6 30.0 45.0#
84 168.0 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion: 65 Resp: 333317
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

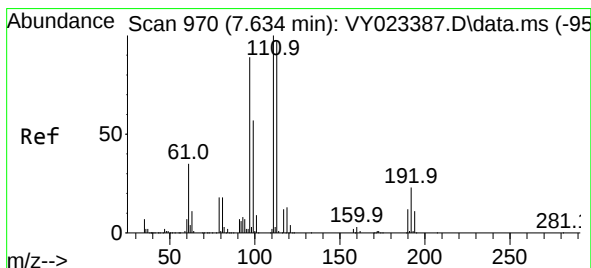
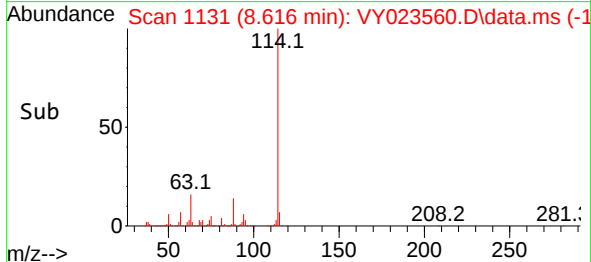
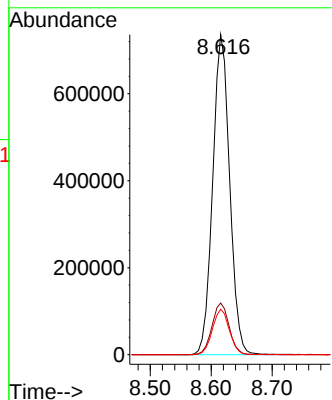
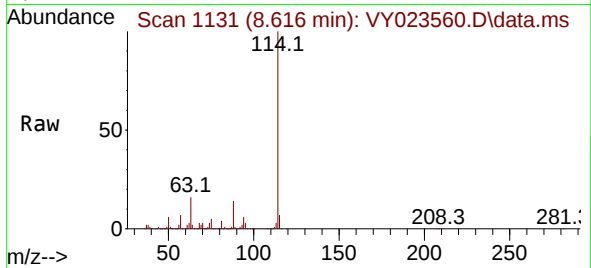




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

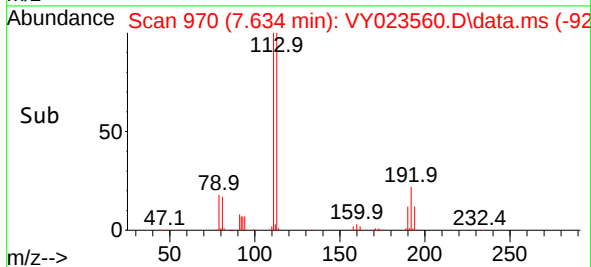
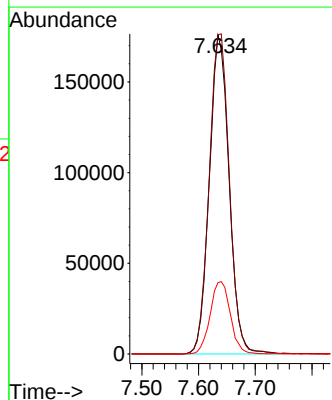
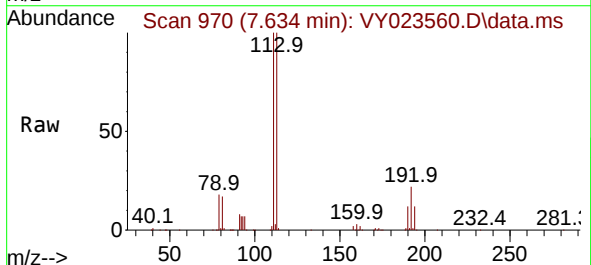
Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

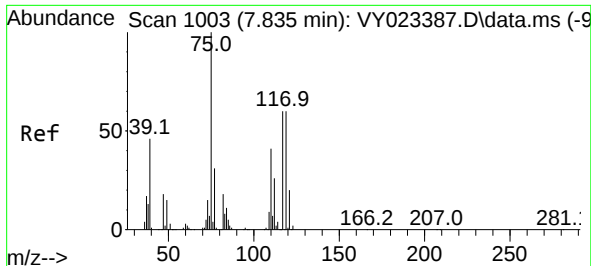
Tgt Ion:114 Resp: 1421897
Ion Ratio Lower Upper
114 100
63 16.2 0.0 34.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 48.742 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion:113 Resp: 425849
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 23.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023560.D

Acq: 24 Oct 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBL01

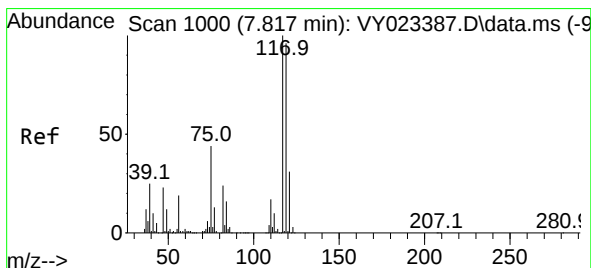
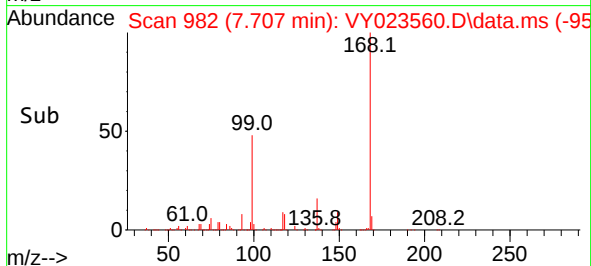
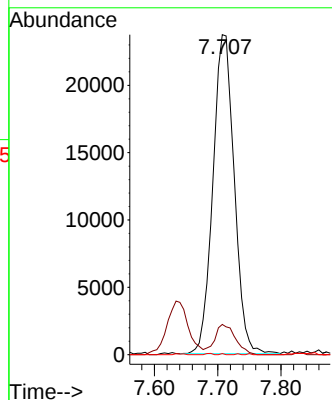
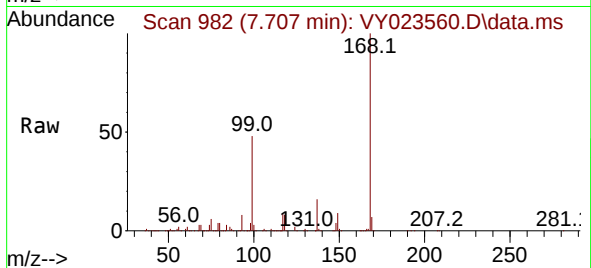
Tgt Ion: 75 Resp: 55439

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.642 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023560.D

Acq: 24 Oct 2025 09:24

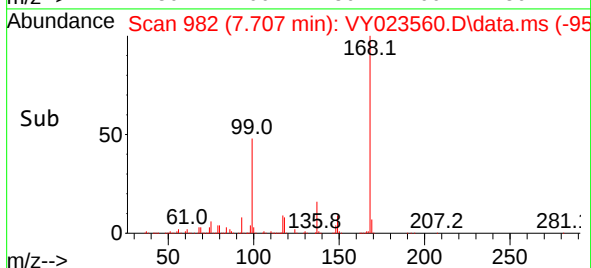
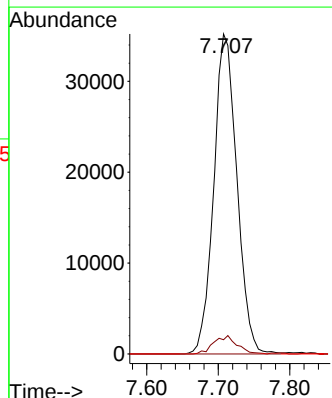
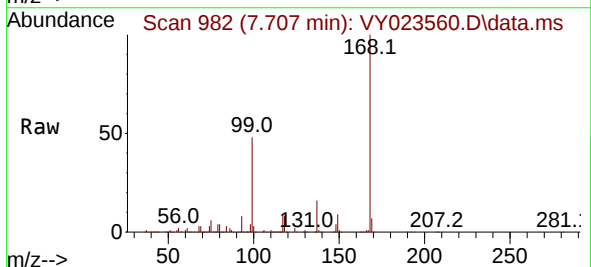
Tgt Ion: 117 Resp: 79133

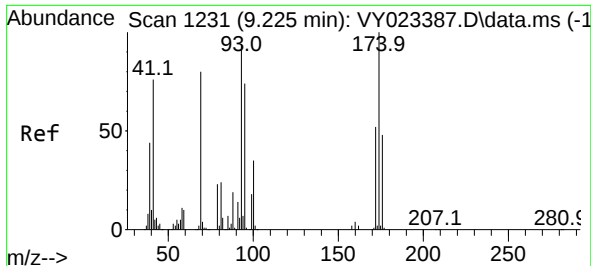
Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 3.304 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023560.D

Acq: 24 Oct 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBL01

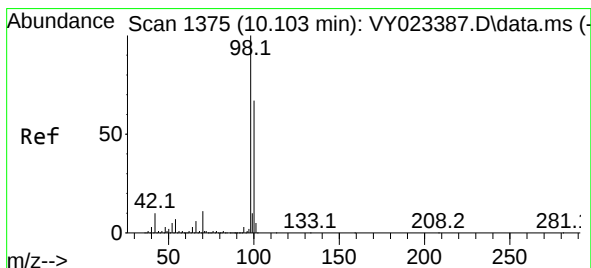
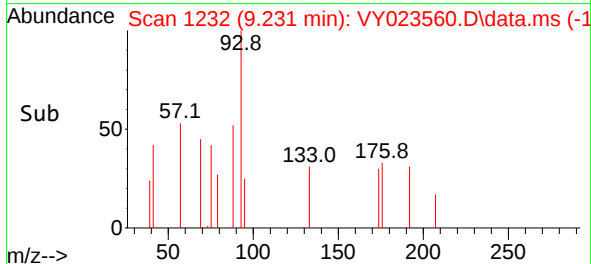
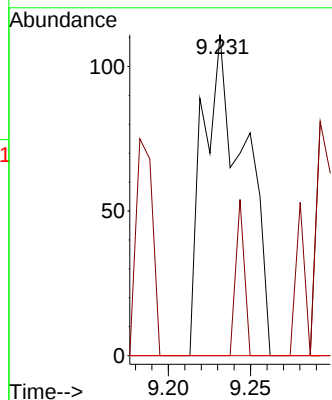
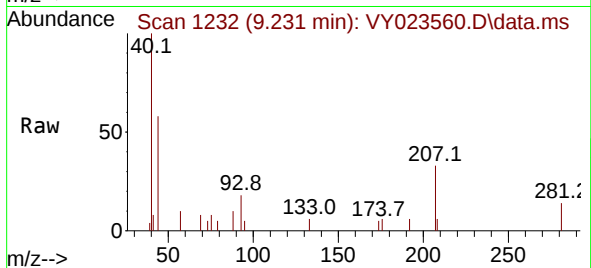
Tgt Ion: 88 Resp: 196

Ion Ratio Lower Upper

88 100

43 10.2 21.8 32.8#

58 0.0 46.8 70.2#



#50

Toluene-d8

Concen: 47.746 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023560.D

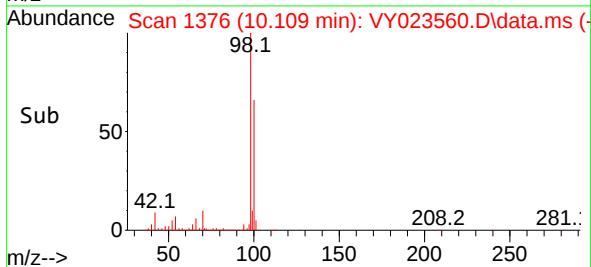
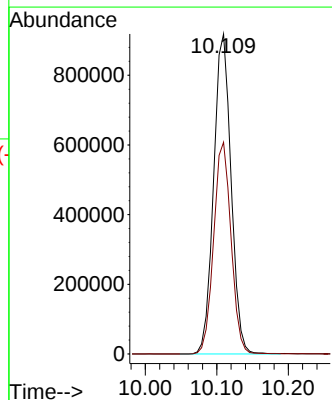
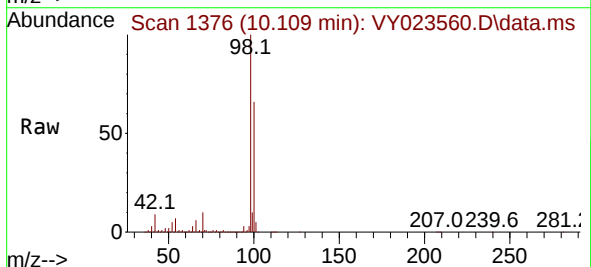
Acq: 24 Oct 2025 09:24

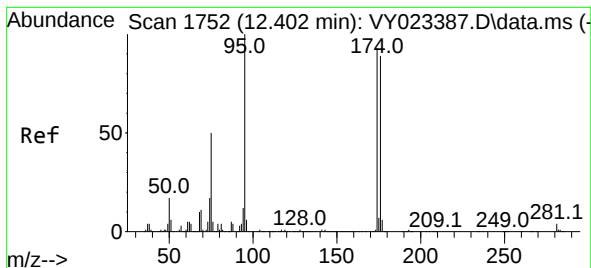
Tgt Ion: 98 Resp: 1553516

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4

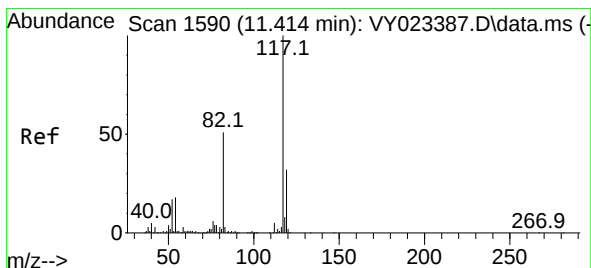
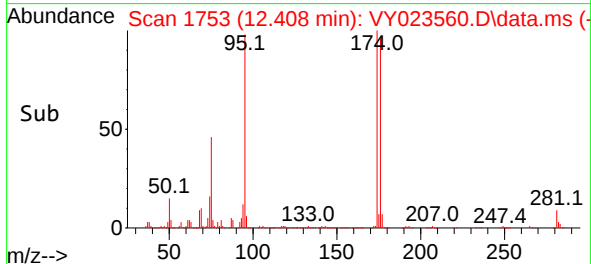
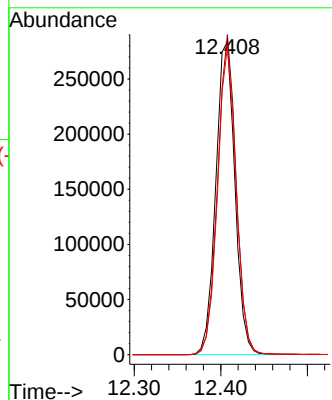
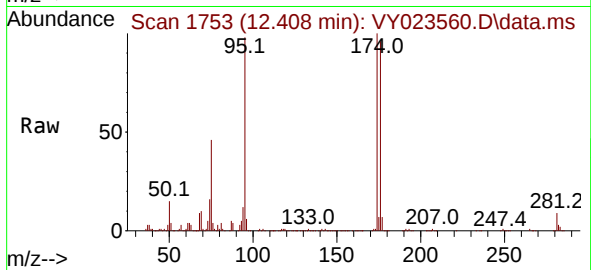




#62
4-Bromofluorobenzene
Concen: 40.620 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

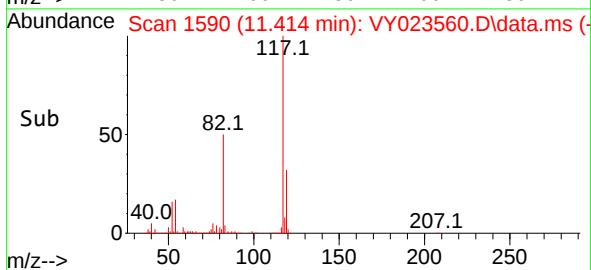
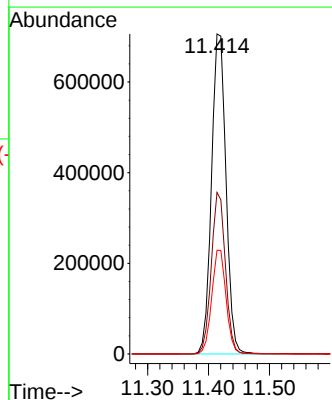
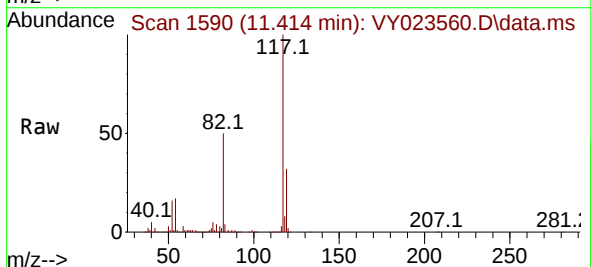
Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

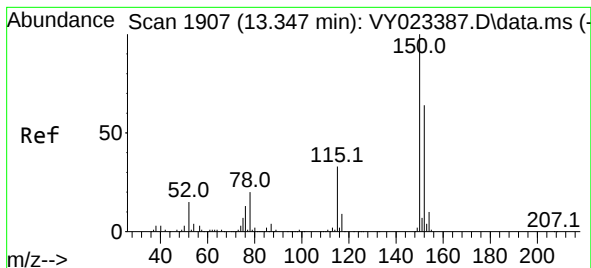
Tgt Ion: 95 Resp: 436342
Ion Ratio Lower Upper
95 100
174 98.8 0.0 192.8
176 95.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion: 117 Resp: 1164716
Ion Ratio Lower Upper
117 100
82 50.4 41.0 61.4
119 32.4 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: VY023560.D

Acq: 24 Oct 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBL01

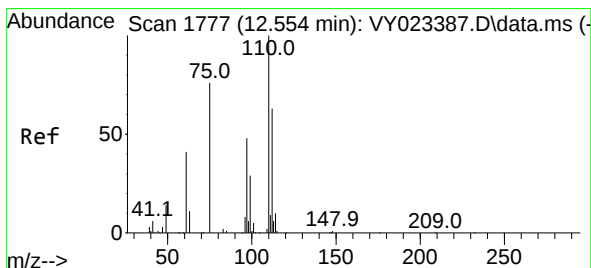
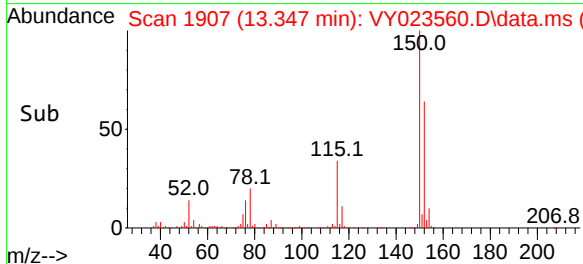
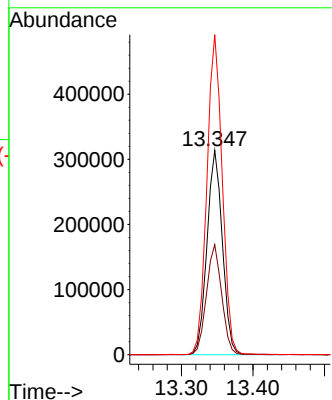
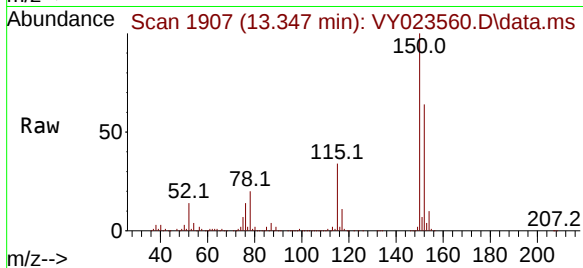
Tgt Ion:152 Resp: 469443

Ion Ratio Lower Upper

152 100

115 53.2 27.1 81.2

150 155.8 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 49.731 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023560.D

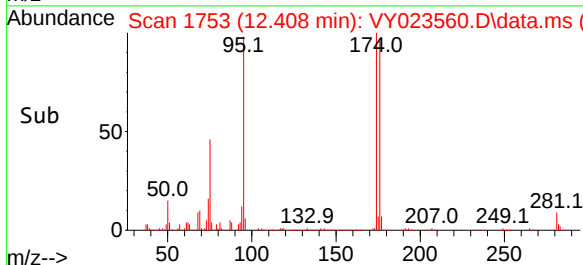
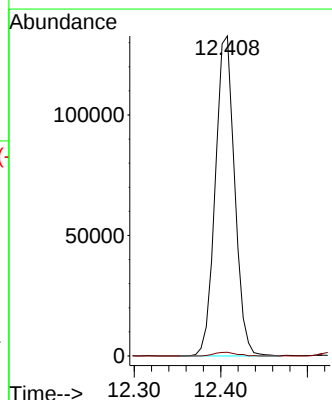
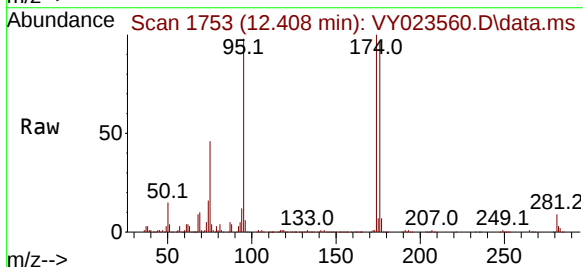
Acq: 24 Oct 2025 09:24

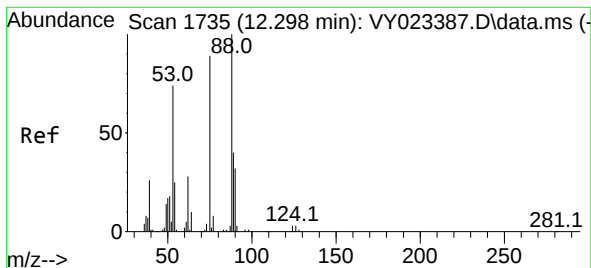
Tgt Ion: 75 Resp: 205974

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.951 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023560.D
 Acq: 24 Oct 2025 09:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBL01

Tgt Ion: 75 Resp: 205974
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

