

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023843.D
 Acq On : 01 Dec 2025 15:10
 Operator : SY/MD
 Sample : Q3742-01
 Misc : 2.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-23

Quant Time: Dec 02 03:18:25 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)

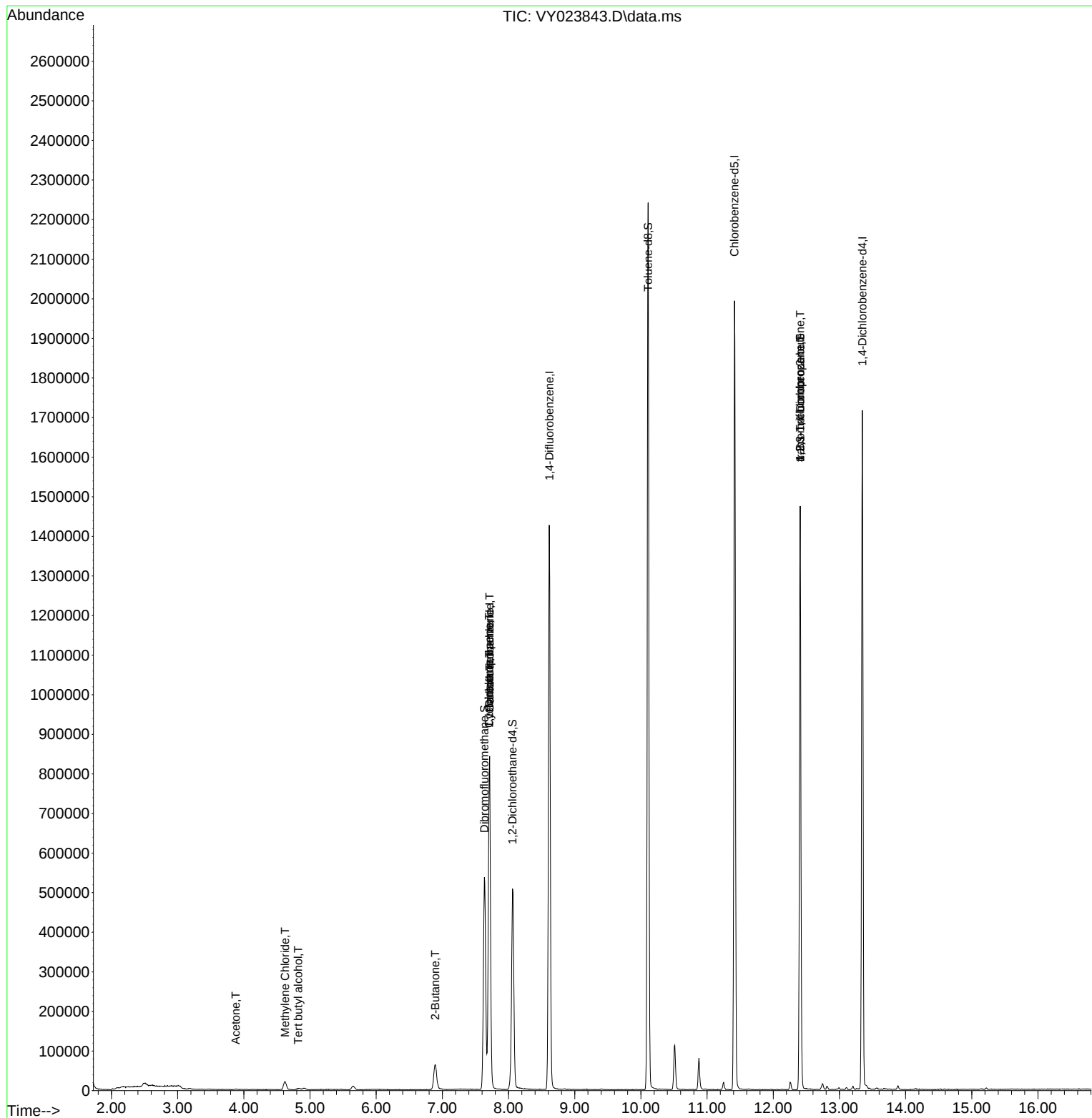
Internal Standards						
1) Pentafluorobenzene	7.713	168	656114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1207708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1048441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	433339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	390837	61.168	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.340%	
35) Dibromofluoromethane	7.634	113	386244	53.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.980%	
50) Toluene-d8	10.109	98	1445760	50.877	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.408	95	425798	45.539	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	1617	3.081	ug/l #	77
16) Acetone	3.879	43	1928	1.047	ug/l	98
20) Methylene Chloride	4.622	84	14564	1.871	ug/l	94
25) 2-Butanone	6.890	43	4115	1.832	ug/l #	66
31) Cyclohexane	7.707	56	13497	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	51785	4.721	ug/l #	50
38) Carbon Tetrachloride	7.713	117	66187	5.497	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	222180	58.959	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	222180	124.622	ug/l #	14

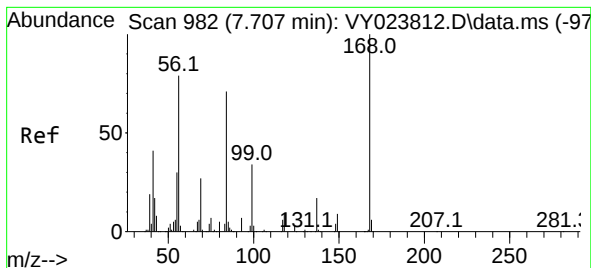
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
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SB-1125-23

Quant Time: Dec 02 03:18:25 2025
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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: VY023843.D

Acq: 01 Dec 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

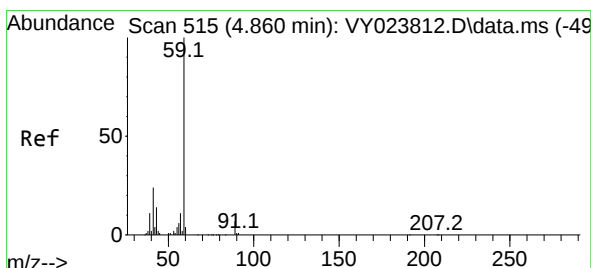
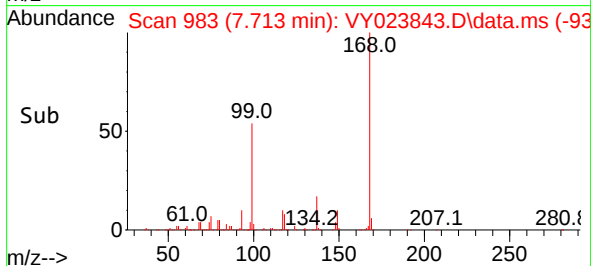
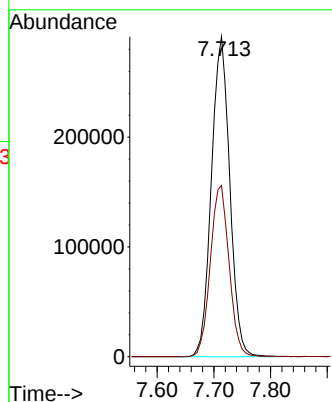
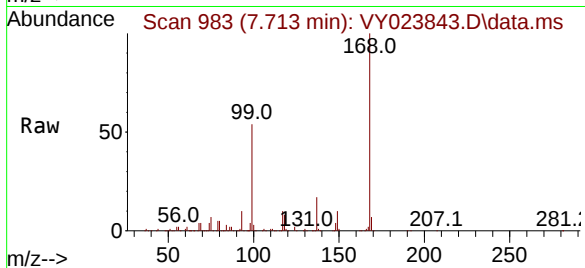
SB-1125-23

Tgt Ion:168 Resp: 656114

Ion Ratio Lower Upper

168 100

99 53.5 44.0 66.0



#11

Tert butyl alcohol

Concen: 3.081 ug/l

RT: 4.824 min Scan# 509

Delta R.T. -0.037 min

Lab File: VY023843.D

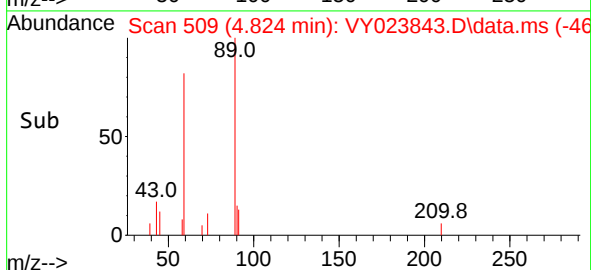
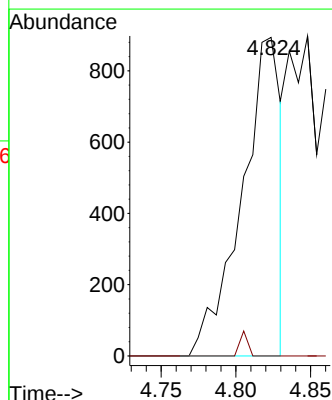
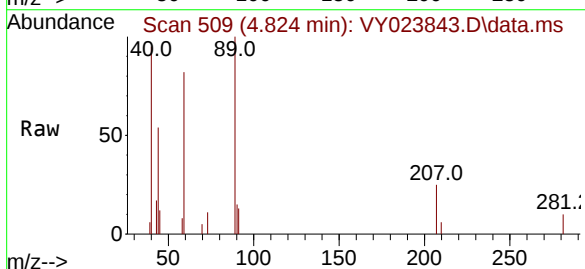
Acq: 01 Dec 2025 15:10

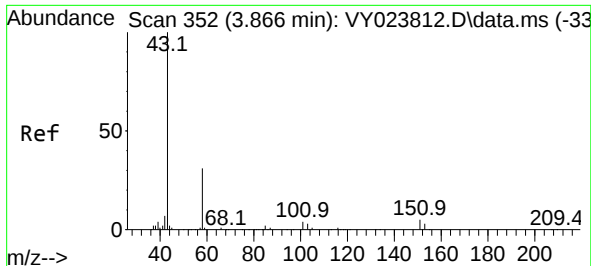
Tgt Ion: 59 Resp: 1617

Ion Ratio Lower Upper

59 100

57 1.6 8.0 12.0#

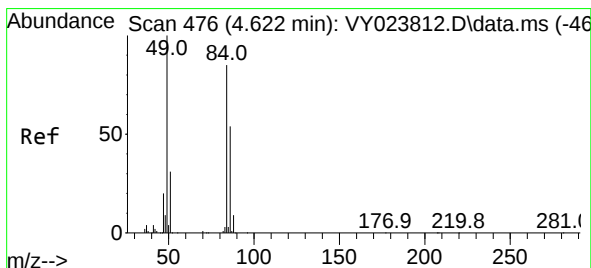
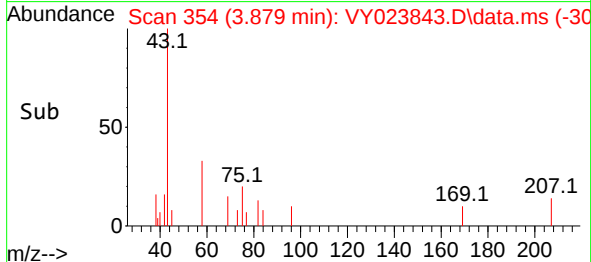
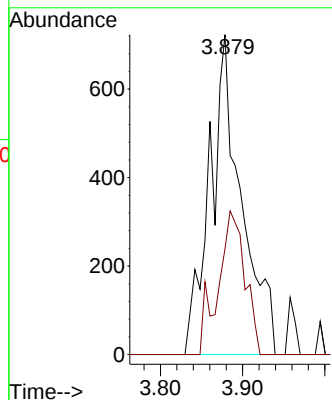
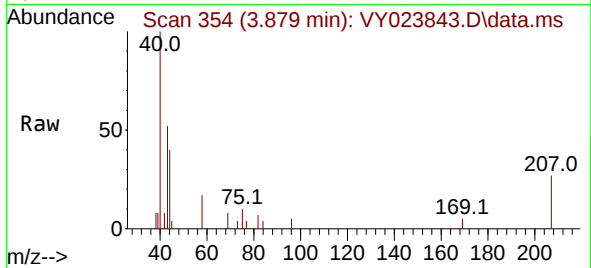




#16
Acetone
Concen: 1.047 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

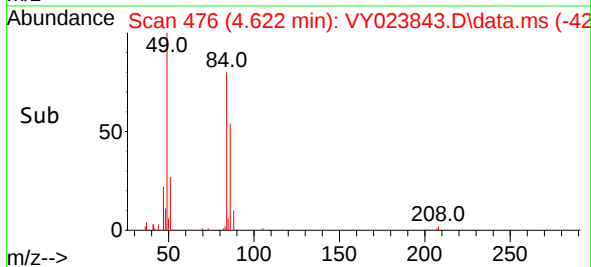
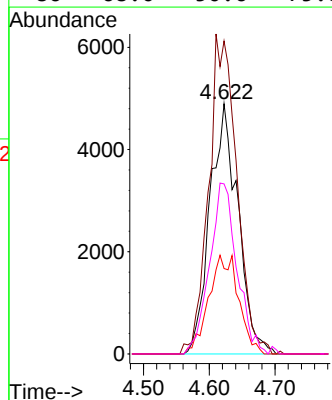
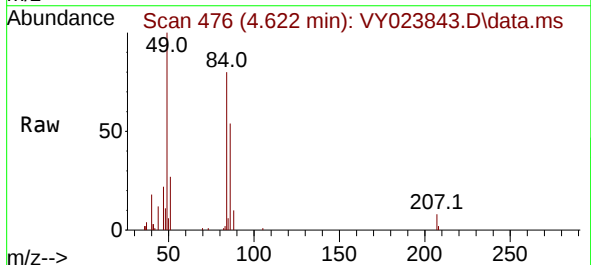
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

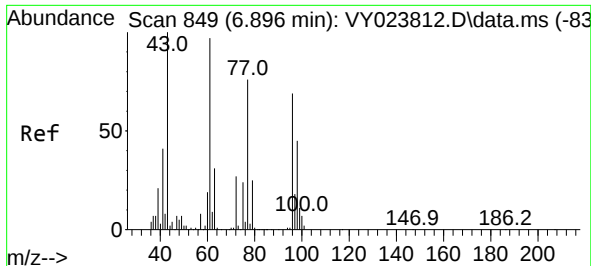
Tgt Ion: 43 Resp: 1928
Ion Ratio Lower Upper
43 100
58 33.1 25.4 38.2



#20
Methylene Chloride
Concen: 1.871 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 84 Resp: 14564
Ion Ratio Lower Upper
84 100
49 125.1 94.0 141.0
51 34.1 29.2 43.8
86 68.0 50.6 75.8

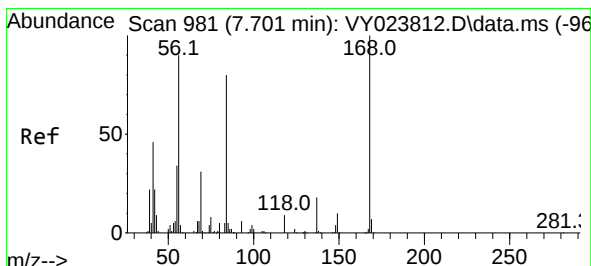
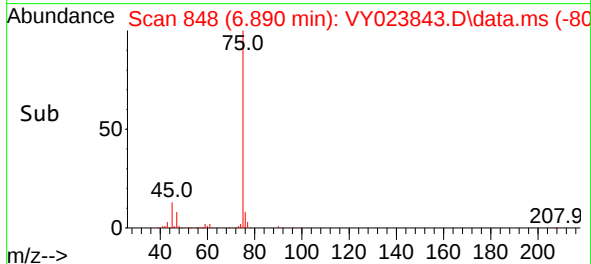
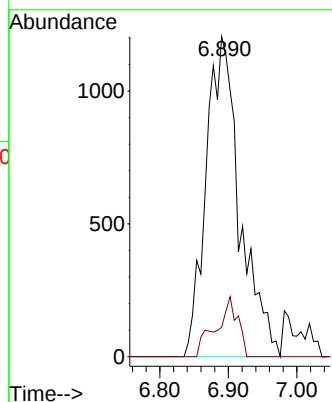
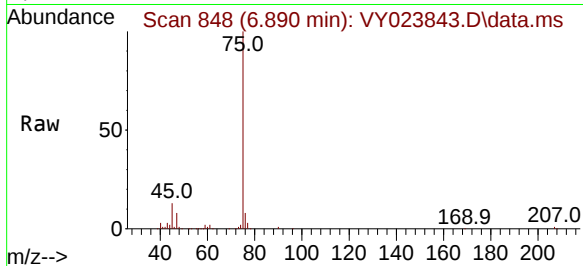




#25
2-Butanone
Concen: 1.832 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

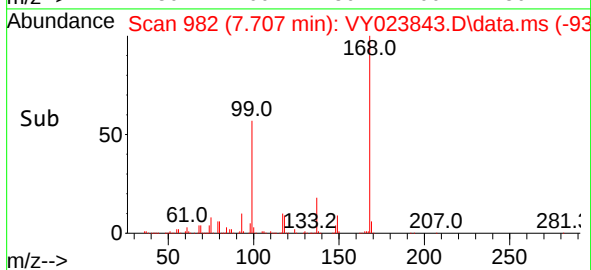
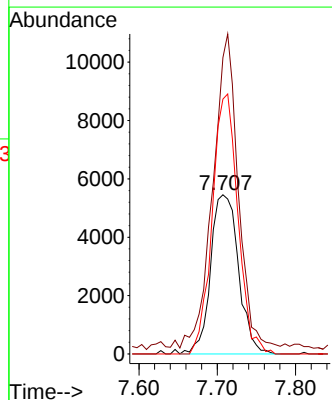
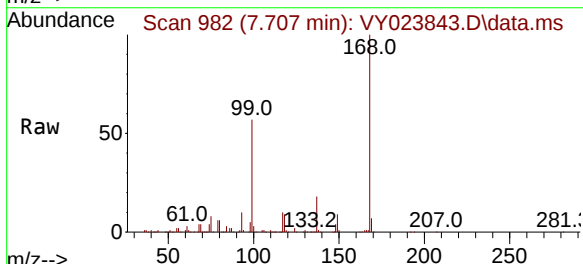
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

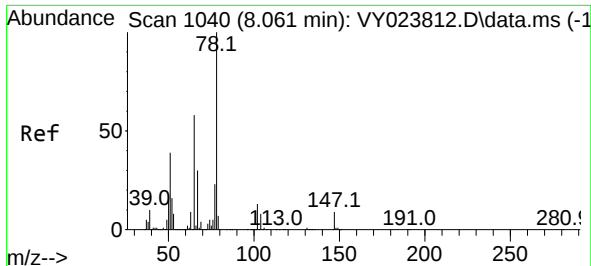
Tgt Ion: 43 Resp: 4115
Ion Ratio Lower Upper
43 100
72 9.2 21.3 31.9#



#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 56 Resp: 13497
Ion Ratio Lower Upper
56 100
69 182.5 27.8 41.6#
84 160.2 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 61.168 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023843.D

Acq: 01 Dec 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

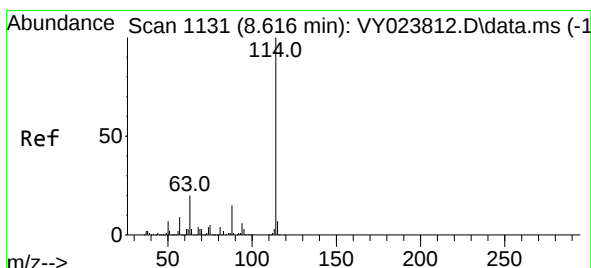
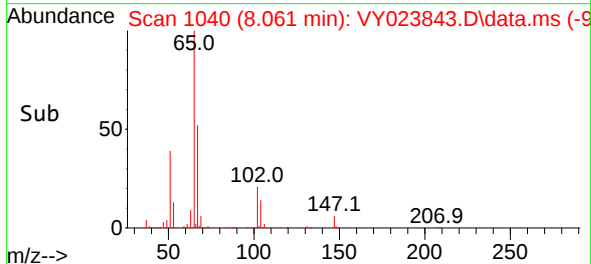
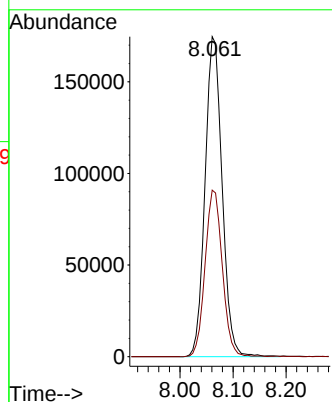
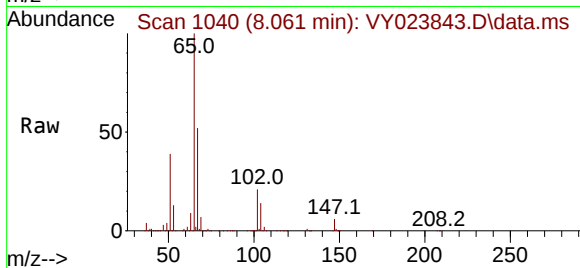
SB-1125-23

Tgt Ion: 65 Resp: 390837

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023843.D

Acq: 01 Dec 2025 15:10

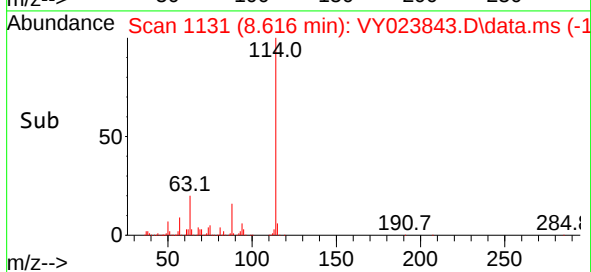
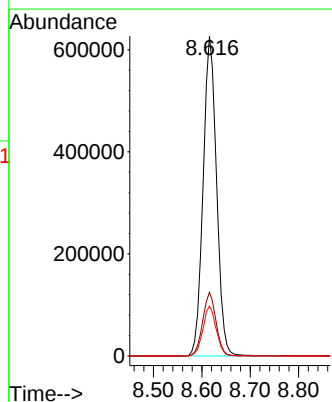
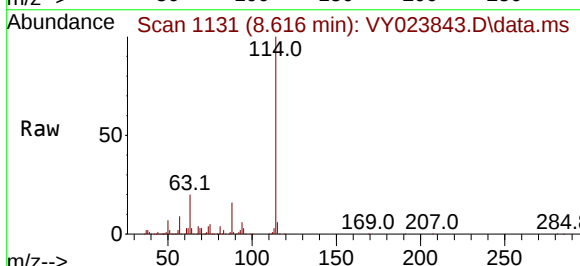
Tgt Ion: 114 Resp: 1207708

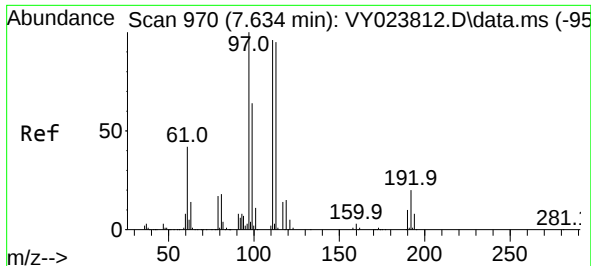
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

88 15.6 0.0 30.8

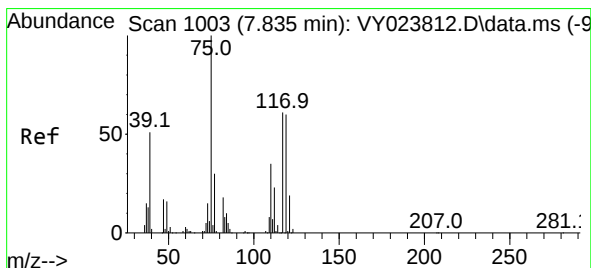
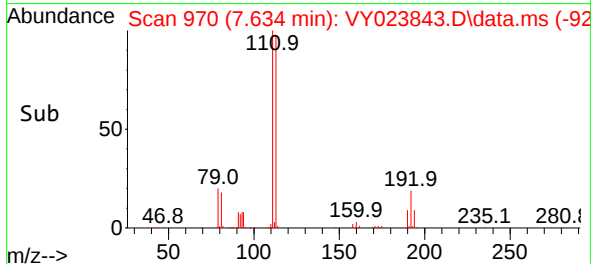
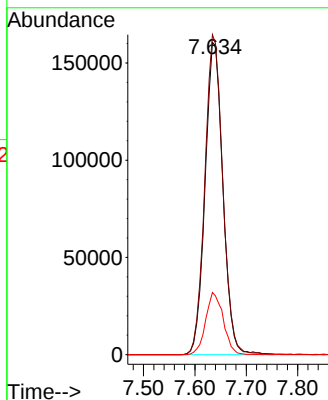
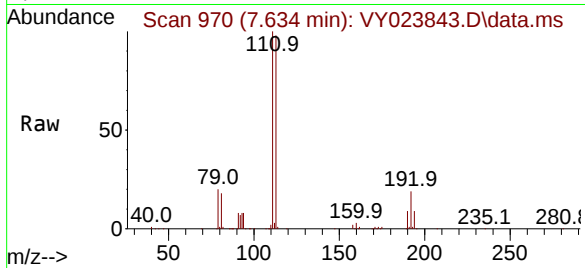




#35
Dibromofluoromethane
Concen: 53.987 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

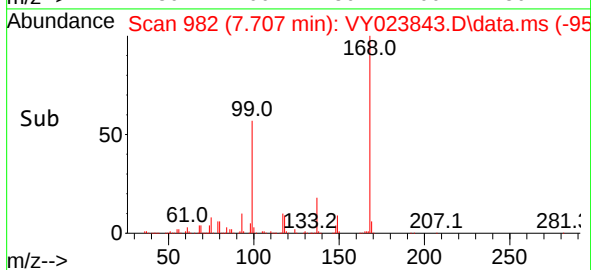
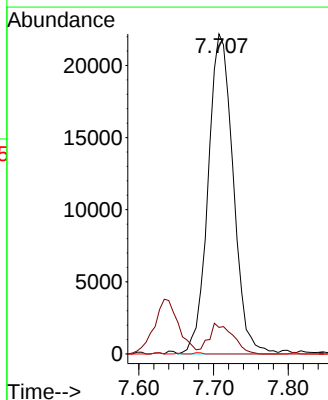
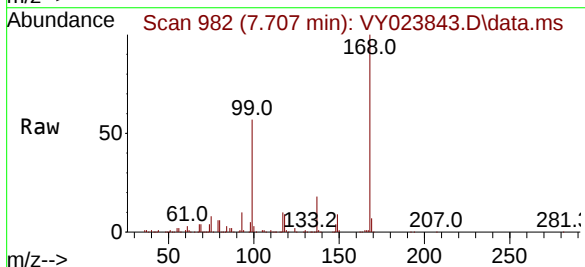
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

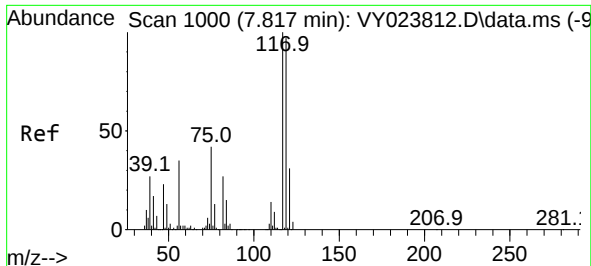
Tgt Ion:113 Resp: 386244
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 19.8 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 75 Resp: 51785
Ion Ratio Lower Upper
75 100
110 9.2 17.6 52.8#
77 0.0 24.9 37.3#

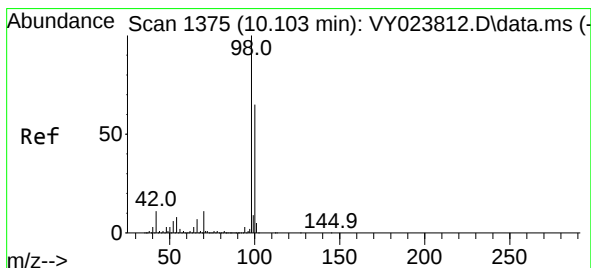
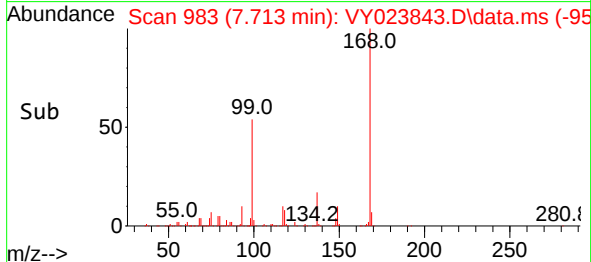
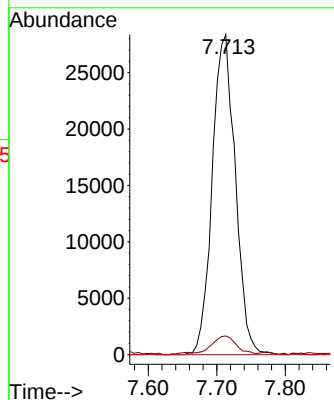
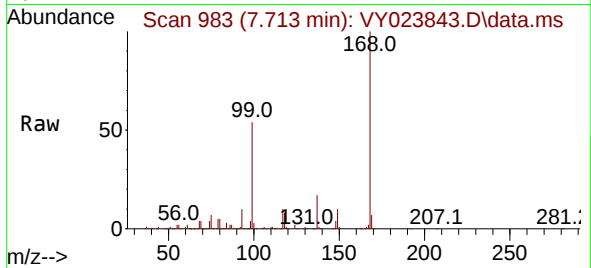




#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

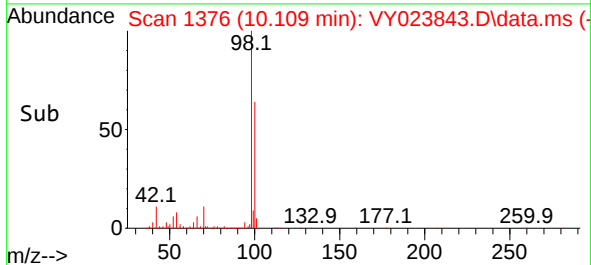
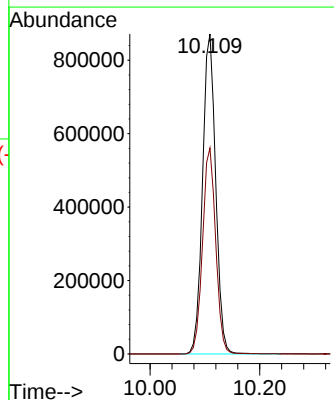
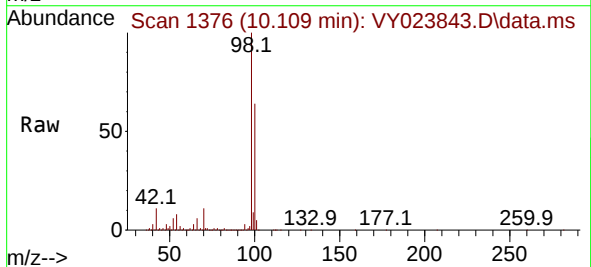
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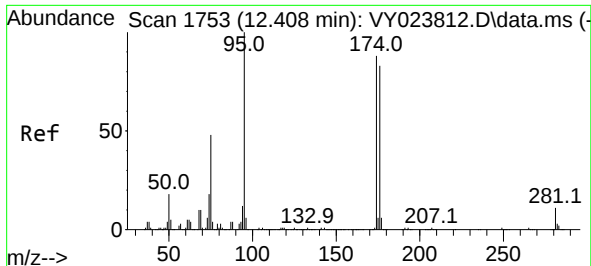
Tgt Ion:117 Resp: 66187
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.877 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 98 Resp: 1445760
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

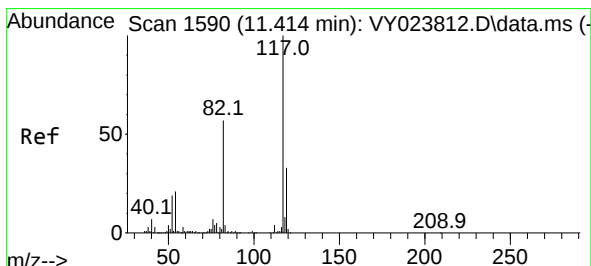
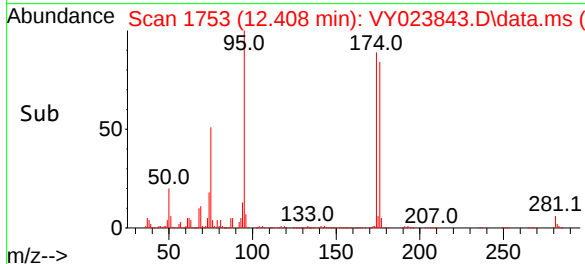
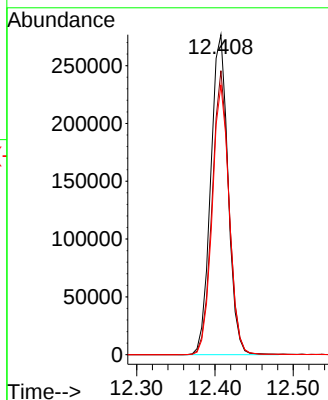
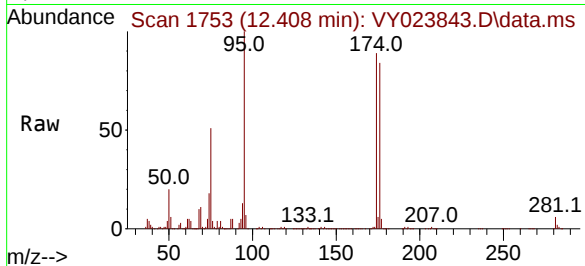




#62
4-Bromofluorobenzene
Concen: 45.539 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

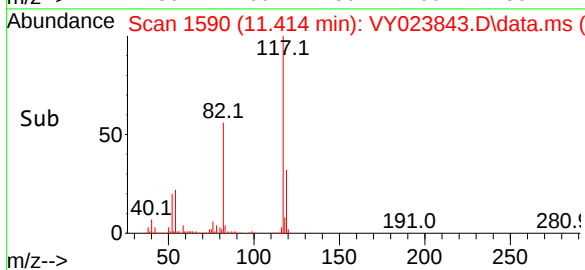
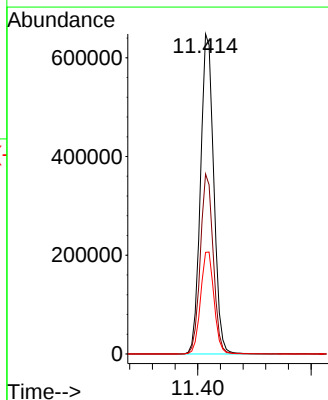
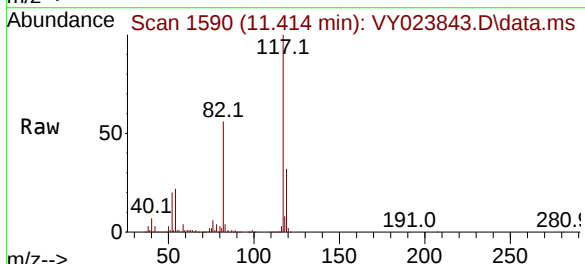
Instrument :
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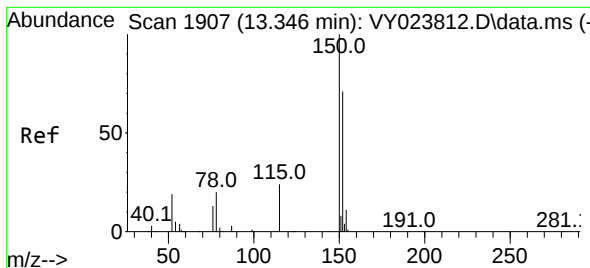
Tgt Ion: 95 Resp: 425798
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.6
176 82.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 117 Resp: 1048441
Ion Ratio Lower Upper
117 100
82 56.3 45.4 68.0
119 31.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023843.D

Acq: 01 Dec 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-23

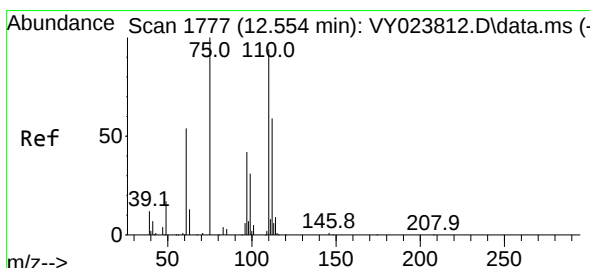
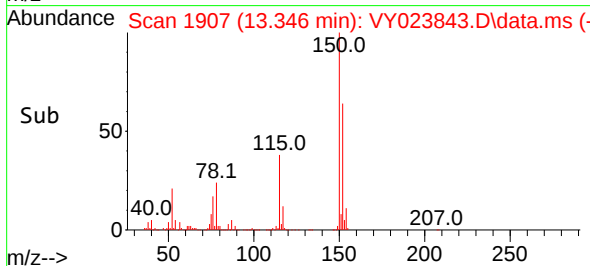
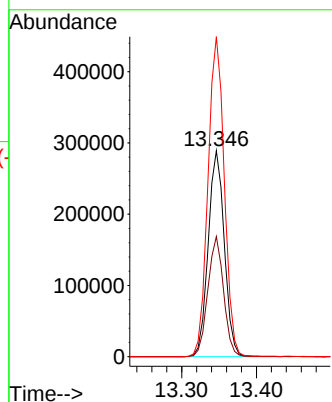
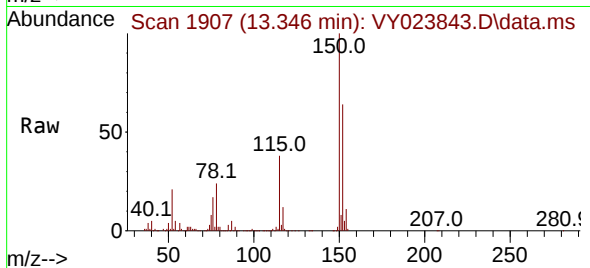
Tgt Ion:152 Resp: 433339

Ion Ratio Lower Upper

152 100

115 56.9 28.7 86.3

150 157.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.959 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023843.D

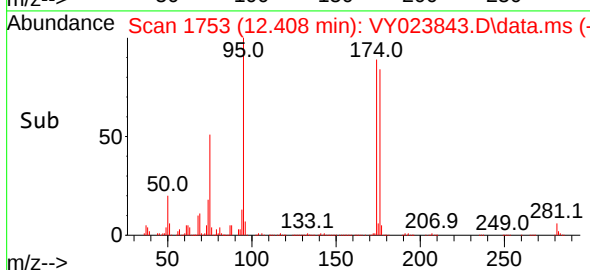
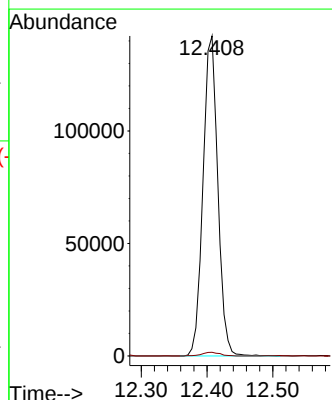
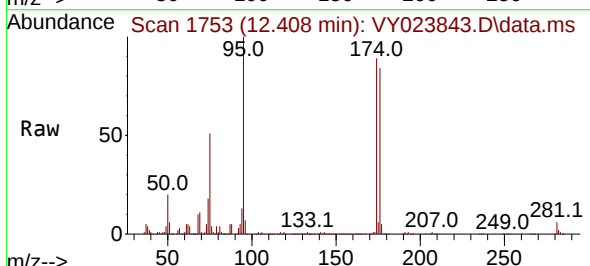
Acq: 01 Dec 2025 15:10

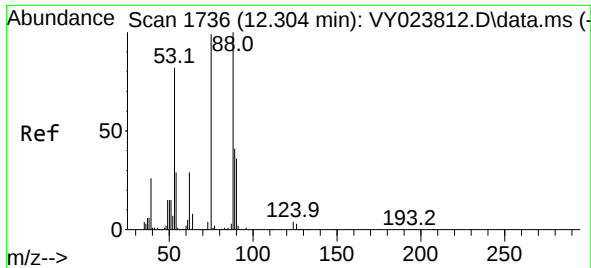
Tgt Ion: 75 Resp: 222180

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.622 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023843.D
 Acq: 01 Dec 2025 15:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-23

Tgt Ion: 75 Resp: 222180
 Ion Ratio Lower Upper
 75 100
 53 0.3 71.3 106.9#
 89 0.0 37.0 55.4#

