

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023904.D
 Acq On : 09 Dec 2025 13:32
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 10 02:26:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

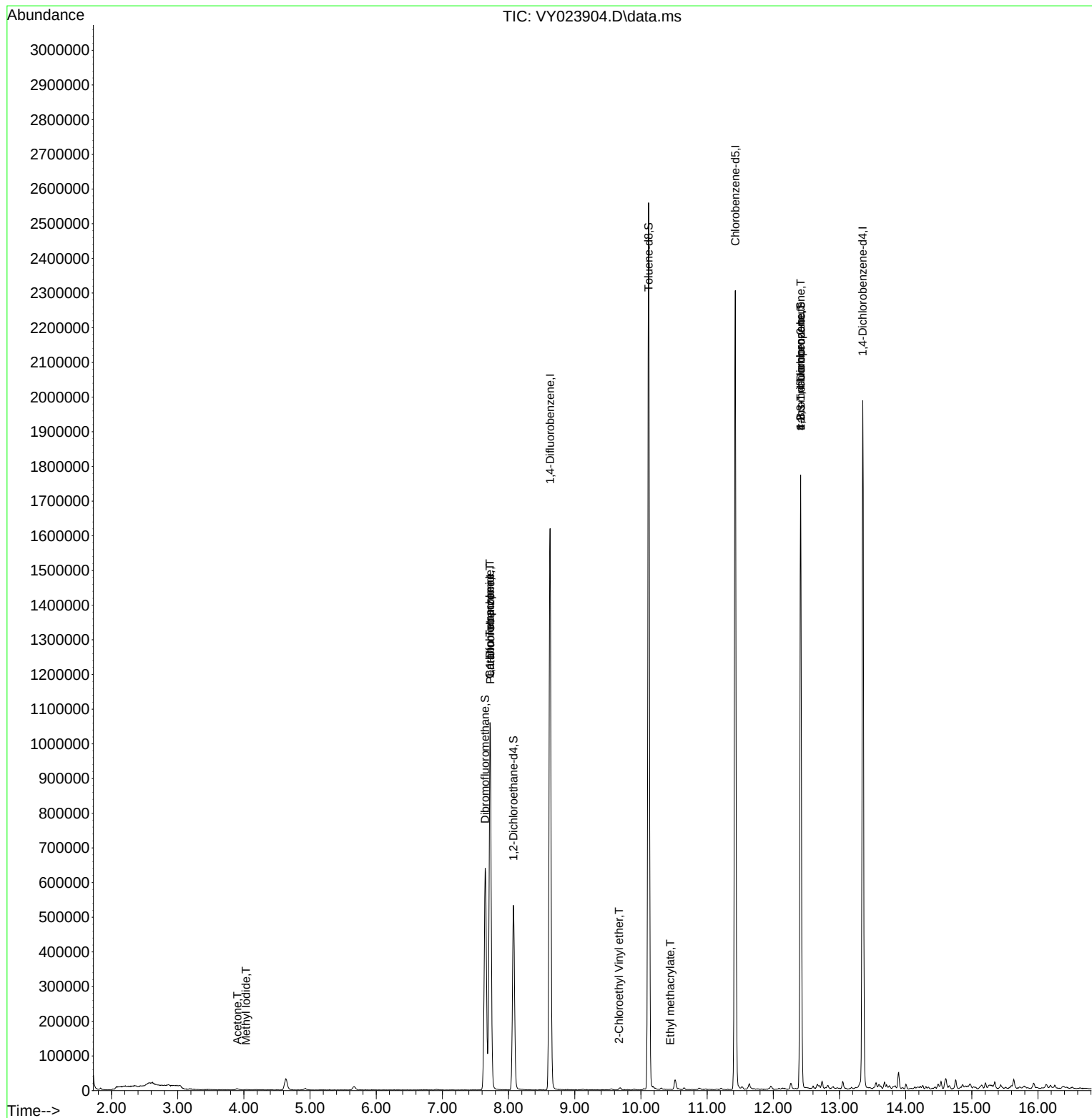
Internal Standards						
1) Pentafluorobenzene	7.725	168	876953	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.627	114	1481578	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	1266512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	537546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	417455	47.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.180%
35) Dibromofluoromethane	7.646	113	460851	48.498	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.000%
50) Toluene-d8	10.115	98	1667212	45.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.180%
62) 4-Bromofluorobenzene	12.413	95	508219	40.295	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.600%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.031	142	989	2.534	ug/l #	75
11) Tert butyl alcohol	4.884	59	23	Below Cal	#	74
16) Acetone	3.903	43	6313	2.402	ug/l	100
36) 1,1-Dichloropropene	7.719	75	57003	4.068	ug/l #	51
38) Carbon Tetrachloride	7.719	117	78959	5.106	ug/l #	16
56) Ethyl methacrylate	10.444	69	139	4.163	ug/l #	76
58) 2-Chloroethyl Vinyl ether	9.670	63	56	14.729	ug/l #	47
76) 1,2,3-Trichloropropane	12.413	75	249846	46.884	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	249846	112.290	ug/l #	14

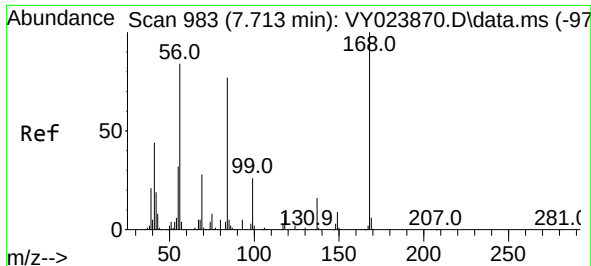
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023904.D
Acq On : 09 Dec 2025 13:32
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Dec 10 02:26:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

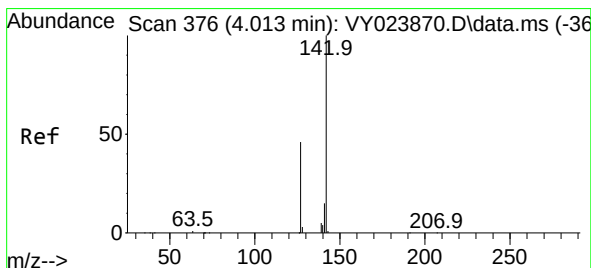
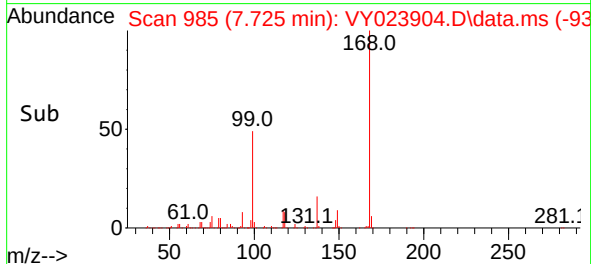
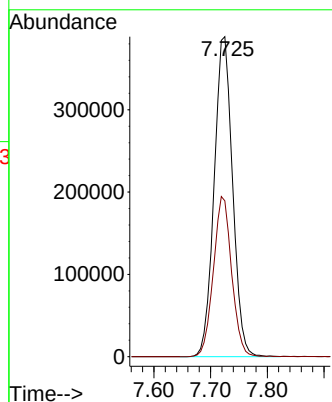
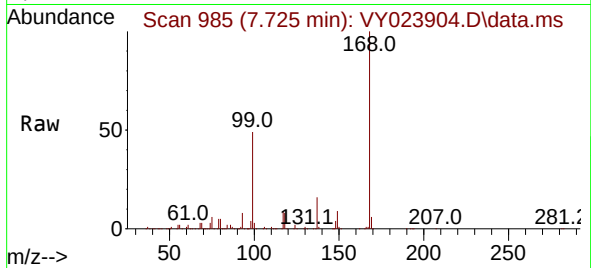




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

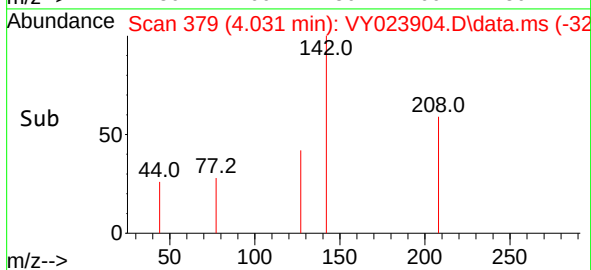
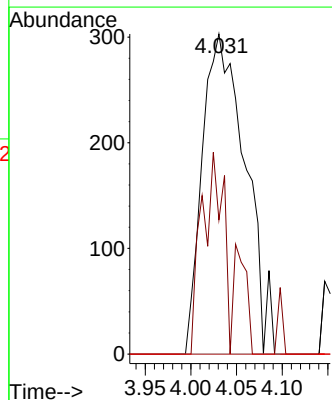
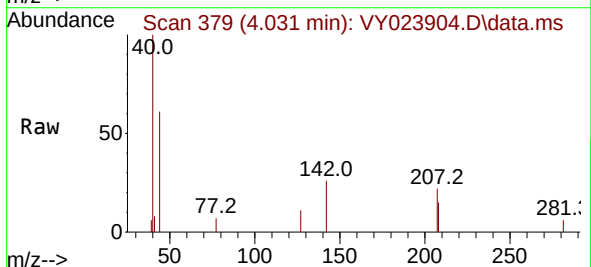
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

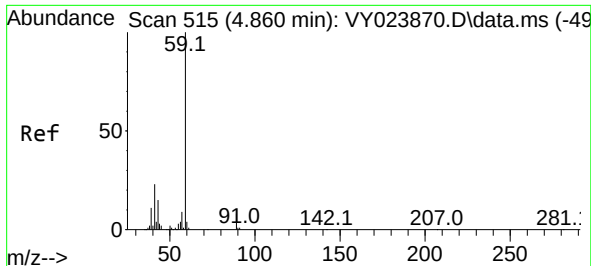
Tgt Ion:168 Resp: 876953
Ion Ratio Lower Upper
168 100
99 48.7 42.5 63.7



#10
Methyl Iodide
Concen: 2.534 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.018 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion:142 Resp: 989
Ion Ratio Lower Upper
142 100
127 31.4 36.1 54.1#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.884 min Scan# 51

Delta R.T. 0.024 min

Lab File: VY023904.D

Acq: 09 Dec 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

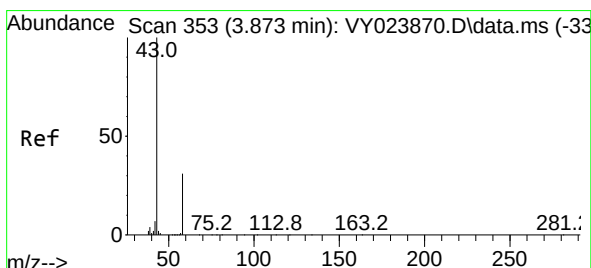
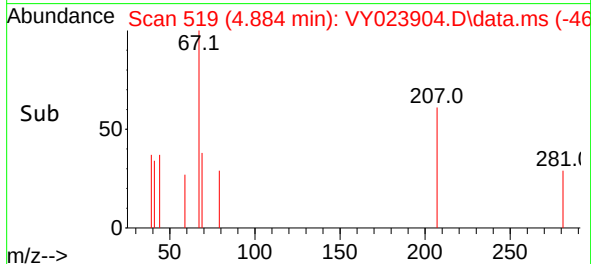
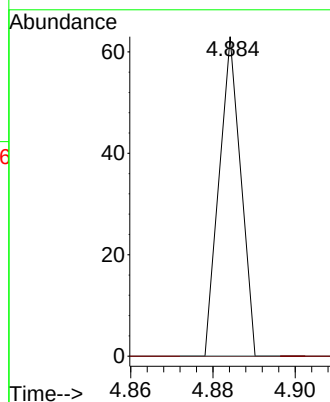
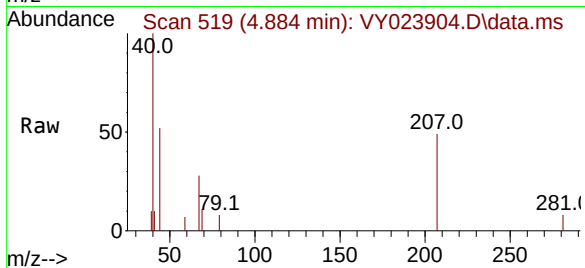
VIBLK

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 2.402 ug/l

RT: 3.903 min Scan# 358

Delta R.T. 0.030 min

Lab File: VY023904.D

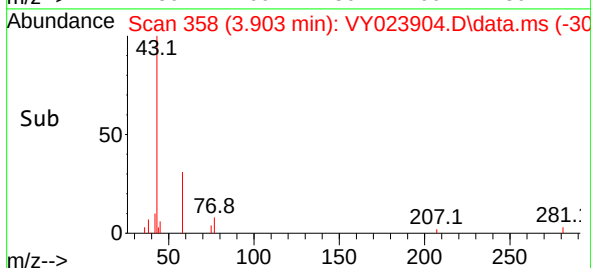
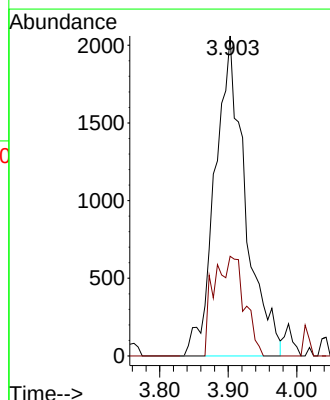
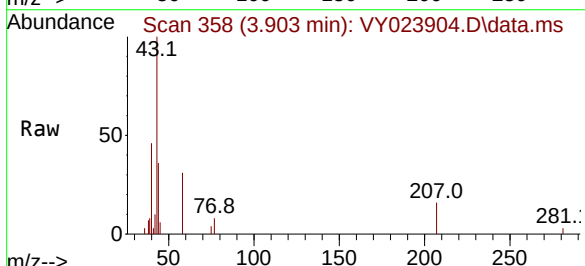
Acq: 09 Dec 2025 13:32

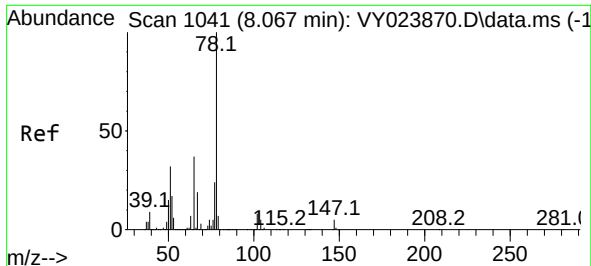
Tgt Ion: 43 Resp: 6313

Ion Ratio Lower Upper

43 100

58 31.2 25.1 37.7





#33

1,2-Dichloroethane-d4

Concen: 47.586 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023904.D

Acq: 09 Dec 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

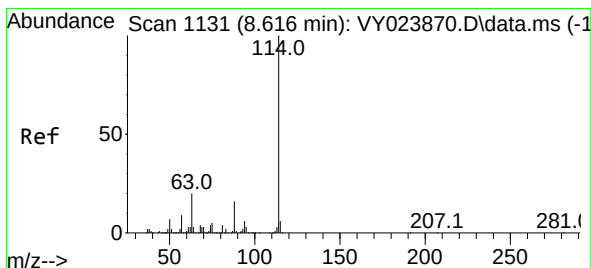
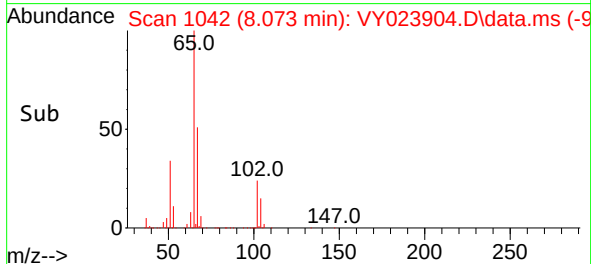
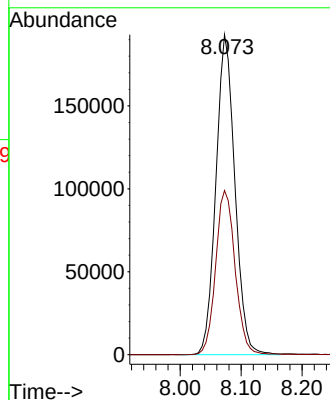
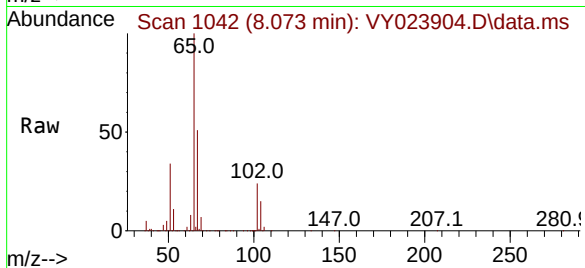
VIBLK

Tgt Ion: 65 Resp: 417455

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.627 min Scan# 1133

Delta R.T. 0.012 min

Lab File: VY023904.D

Acq: 09 Dec 2025 13:32

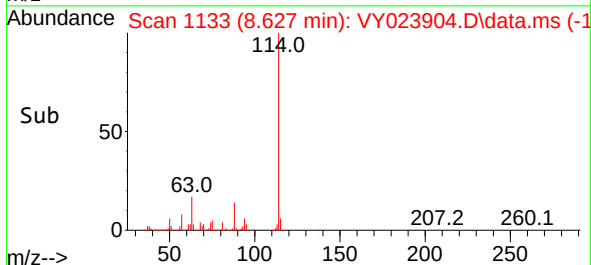
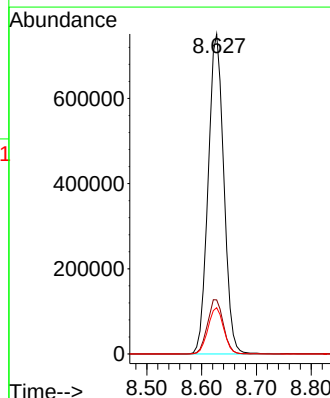
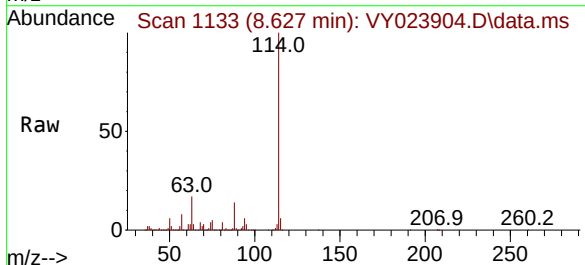
Tgt Ion: 114 Resp: 1481578

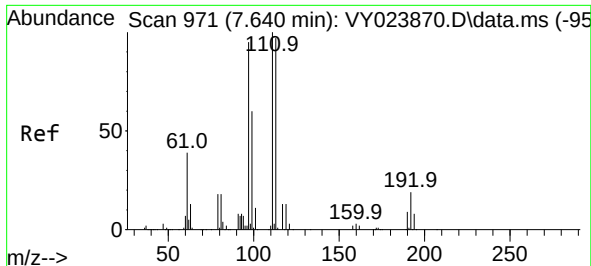
Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.2

88 14.4 0.0 31.4

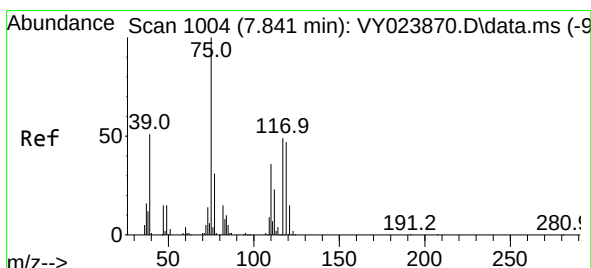
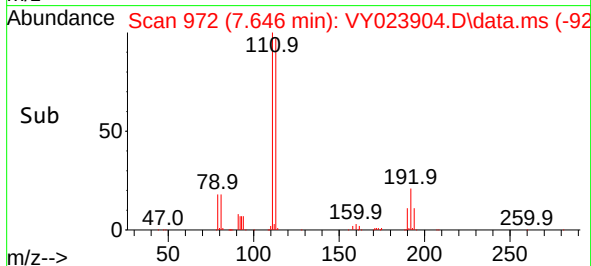
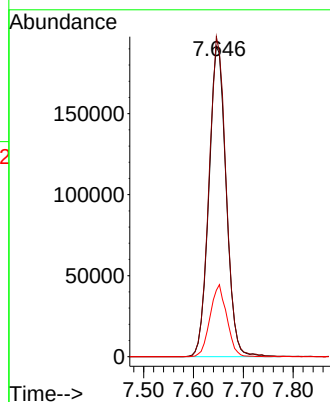
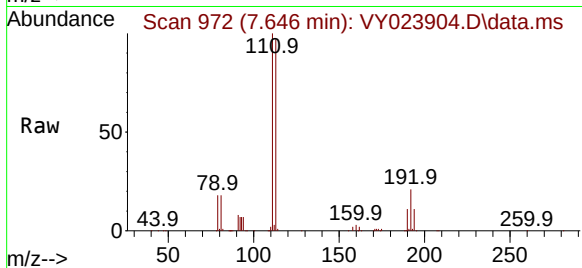




#35
Dibromofluoromethane
Concen: 48.498 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

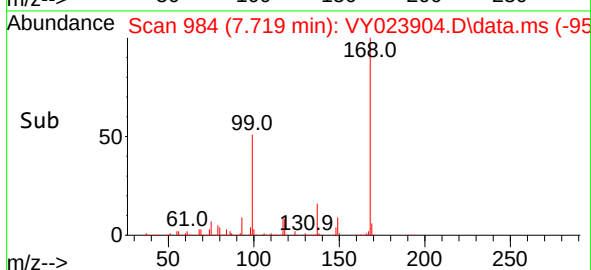
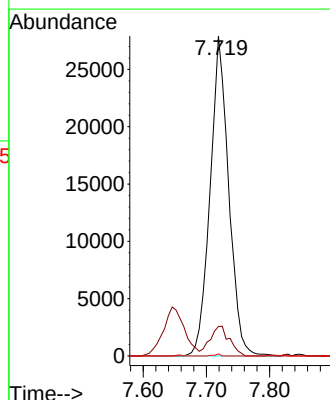
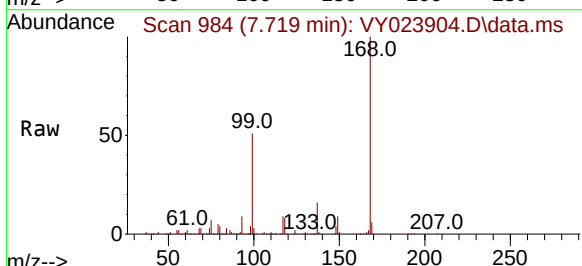
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

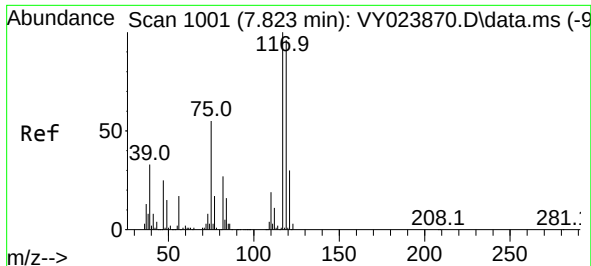
Tgt Ion:113 Resp: 460851
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 22.4 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.068 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion: 75 Resp: 57003
Ion Ratio Lower Upper
75 100
110 9.7 17.6 52.9#
77 0.2 24.6 37.0#

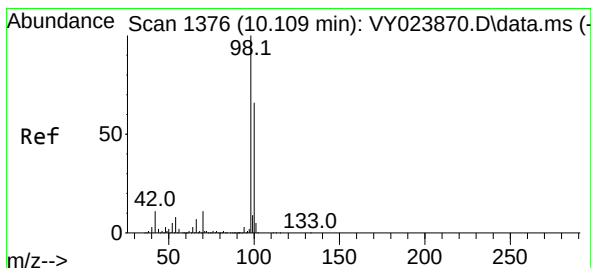
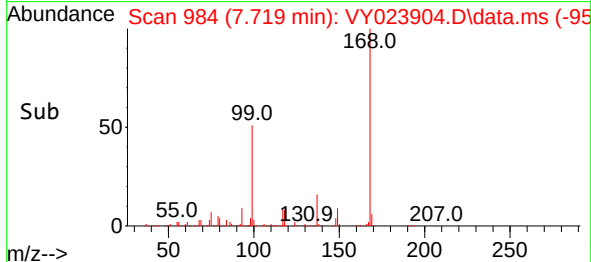
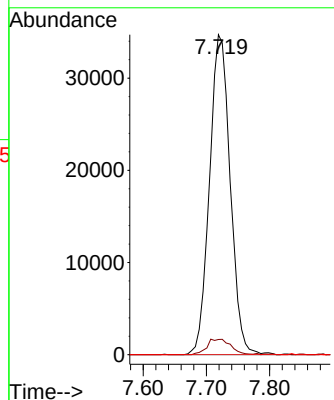
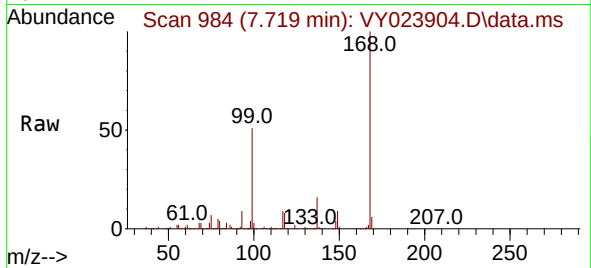




#38
Carbon Tetrachloride
Concen: 5.106 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

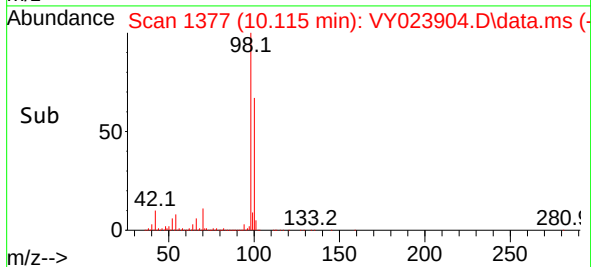
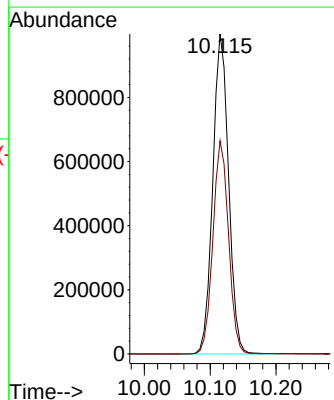
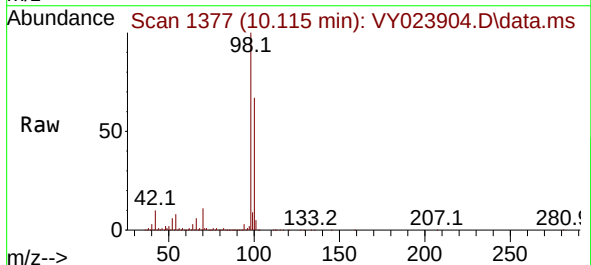
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

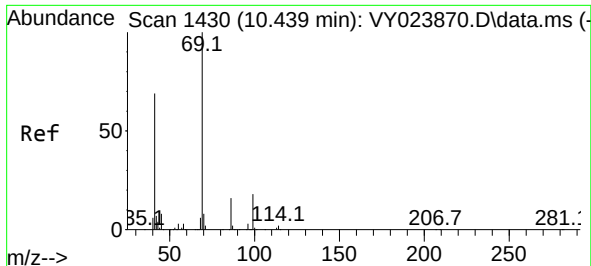
Tgt Ion:117 Resp: 78959
Ion Ratio Lower Upper
117 100
119 4.7 77.0 115.6#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 45.087 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion: 98 Resp: 1667212
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

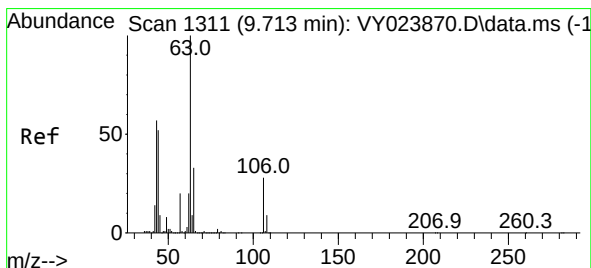
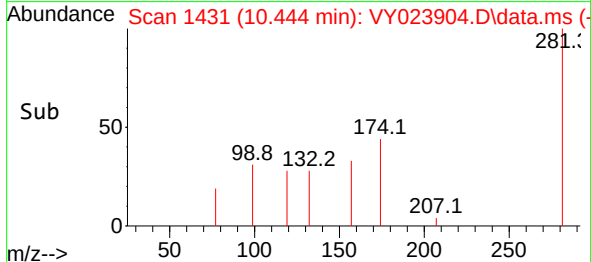
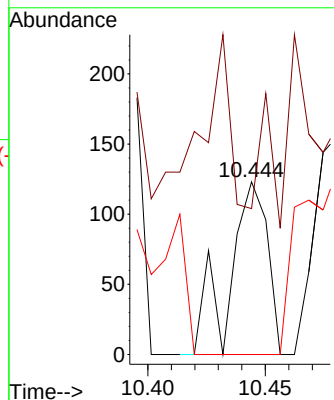
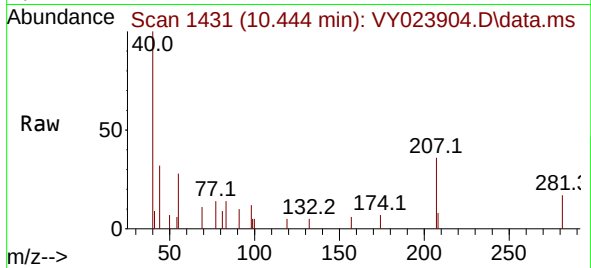




#56
Ethyl methacrylate
Concen: 4.163 ug/l
RT: 10.444 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

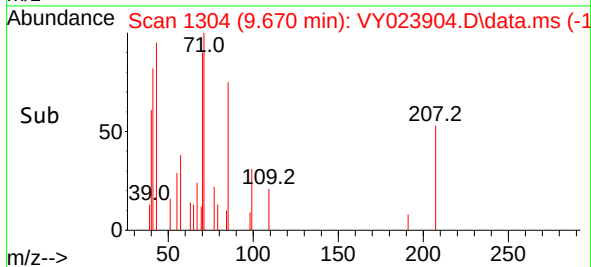
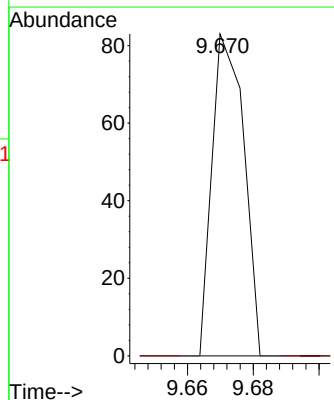
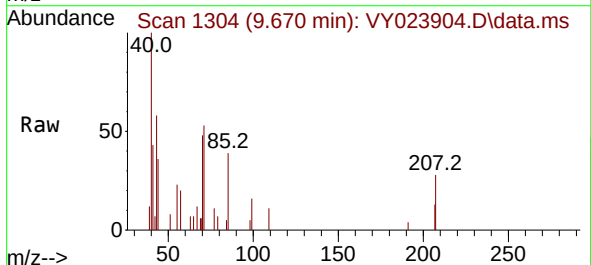
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

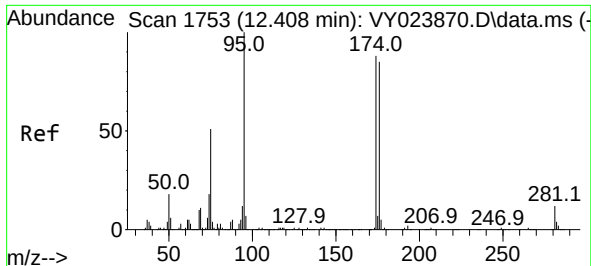
Tgt Ion: 69 Resp: 139
Ion Ratio Lower Upper
69 100
41 60.4 52.5 78.7
39 0.0 27.1 40.7#



#58
2-Chloroethyl Vinyl ether
Concen: 14.729 ug/l
RT: 9.670 min Scan# 1304
Delta R.T. -0.043 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#

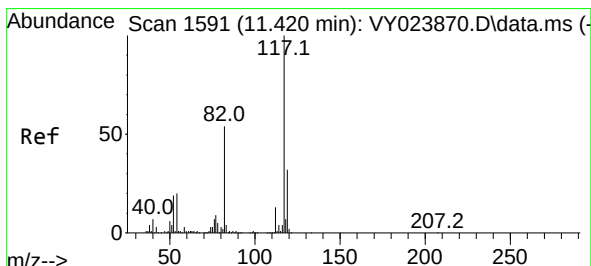
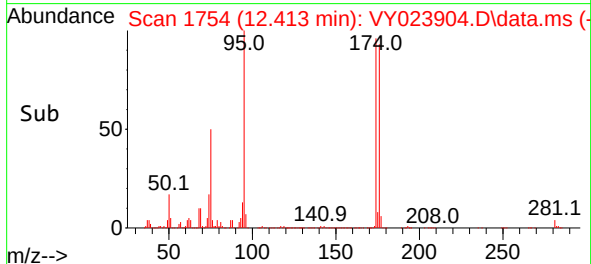
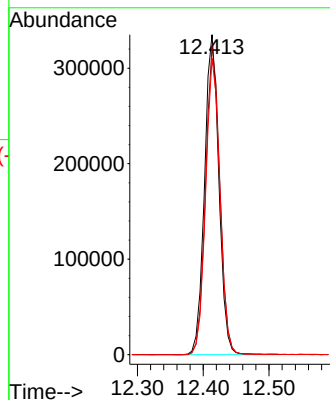
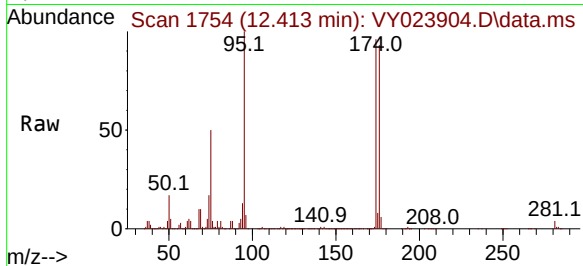




#62
4-Bromofluorobenzene
Concen: 40.295 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

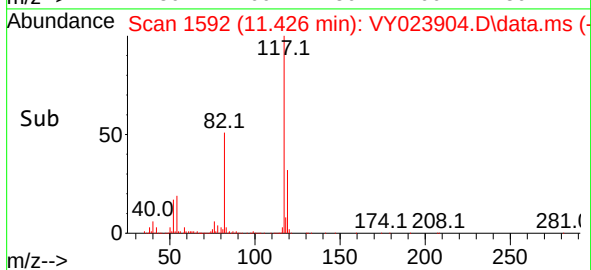
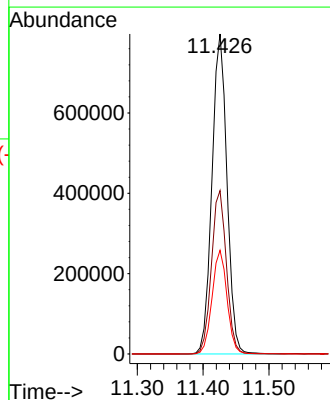
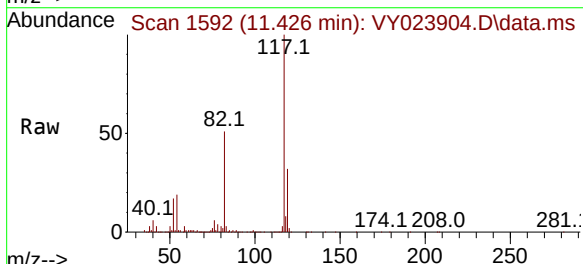
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

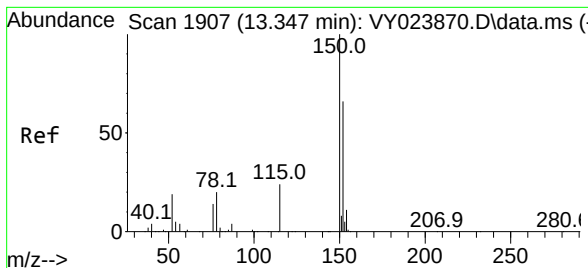
Tgt Ion: 95 Resp: 508219
Ion Ratio Lower Upper
95 100
174 96.5 0.0 169.6
176 92.2 0.0 164.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion: 117 Resp: 1266512
Ion Ratio Lower Upper
117 100
82 51.1 43.1 64.7
119 32.4 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023904.D

Acq: 09 Dec 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

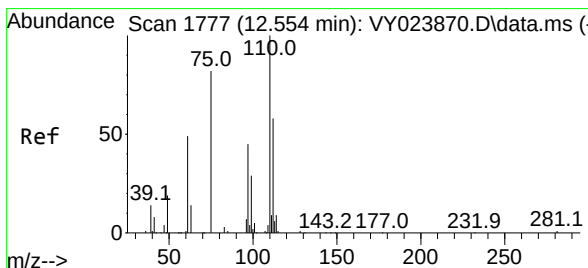
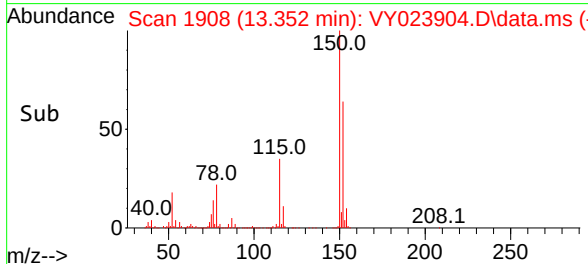
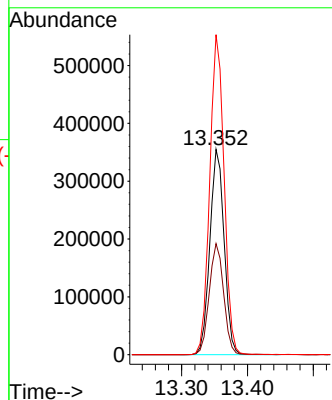
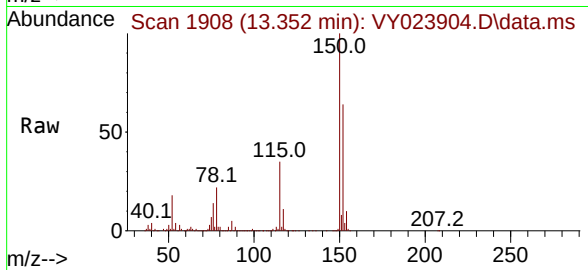
Tgt Ion:152 Resp: 537546

Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.4

150 156.3 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 46.884 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. -0.141 min

Lab File: VY023904.D

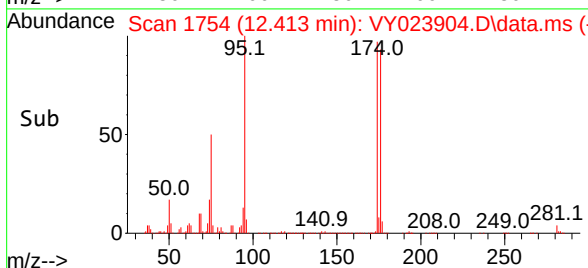
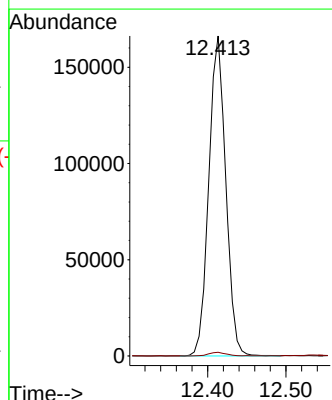
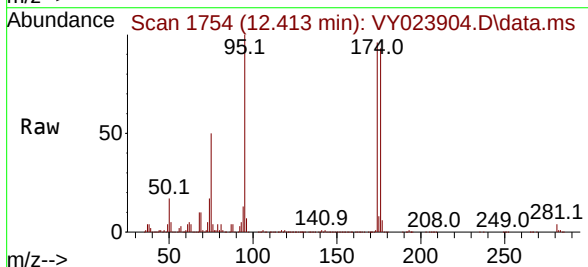
Acq: 09 Dec 2025 13:32

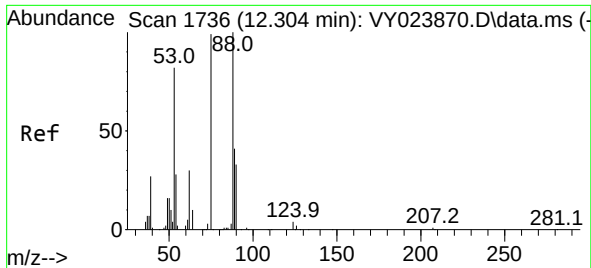
Tgt Ion: 75 Resp: 249846

Ion Ratio Lower Upper

75 100

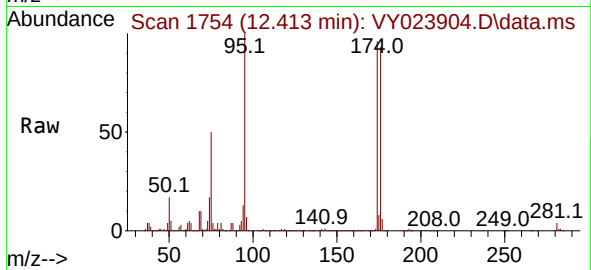
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.290 ug/l
 RT: 12.413 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023904.D
 Acq: 09 Dec 2025 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 249846
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.1 106.7#
 89 0.0 36.3 54.5#

