

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023885.D
 Acq On : 04 Dec 2025 11:25
 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 05 01:44:33 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	7.713	168	743126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1344804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1197444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	517390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	411243	55.320	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.640%
35) Dibromofluoromethane	7.640	113	415847	48.213	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.420%
50) Toluene-d8	10.109	98	1625217	48.421	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.408	95	520947	45.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.020%

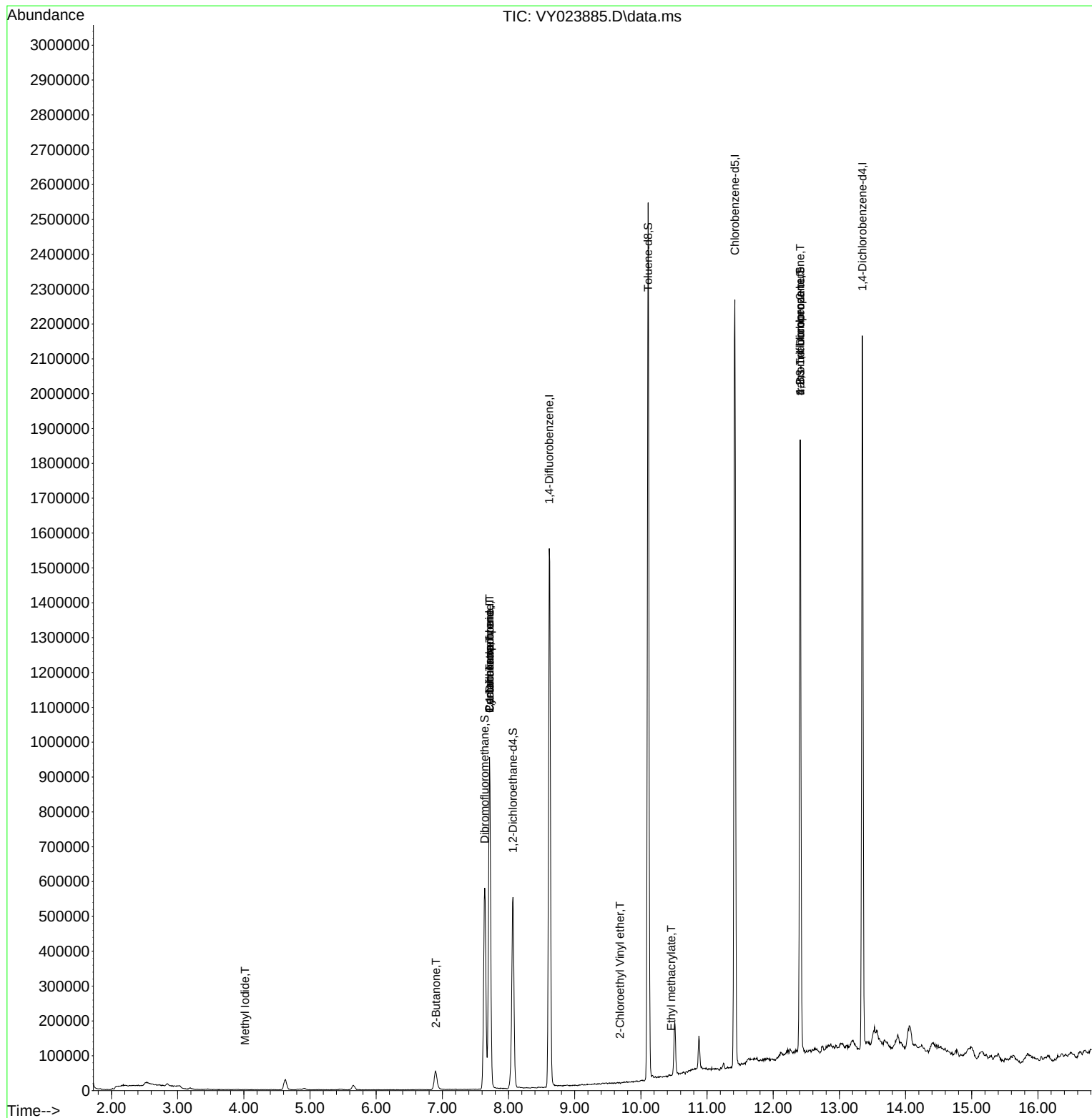
Target Compounds					Qvalue	
10) Methyl Iodide	4.019	142	550	2.502	ug/l	# 75
11) Tert butyl alcohol	4.842	59	785	Below Cal		# 88
25) 2-Butanone	6.902	43	2950	1.099	ug/l	# 82
31) Cyclohexane	7.713	56	15270	1.097	ug/l	# 1
36) 1,1-Dichloropropene	7.713	75	55494	4.363	ug/l	# 50
38) Carbon Tetrachloride	7.713	117	71287	5.079	ug/l	# 16
56) Ethyl methacrylate	10.457	69	1209	4.265	ug/l	# 77
58) 2-Chloroethyl Vinyl ether	9.682	63	46	14.728	ug/l	# 1
76) 1,2,3-Trichloropropane	12.408	75	265931	51.846	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	265931	124.176	ug/l	# 14

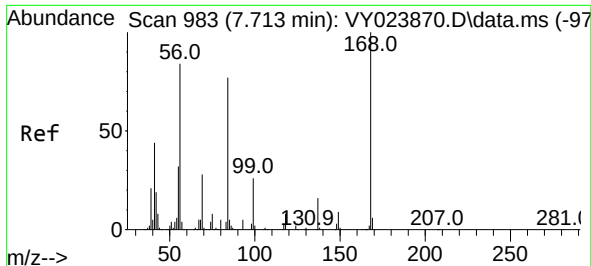
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
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Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Dec 05 01:44:33 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

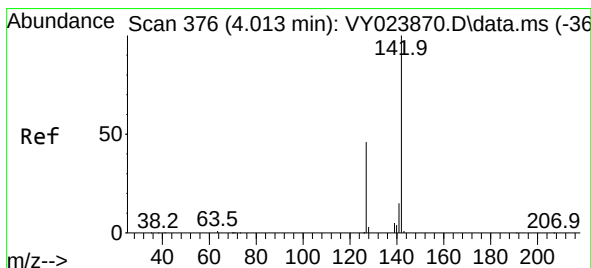
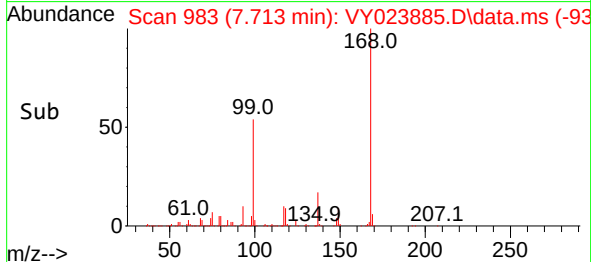
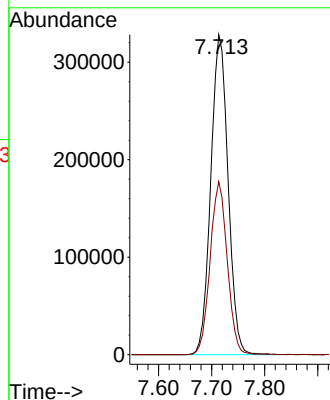
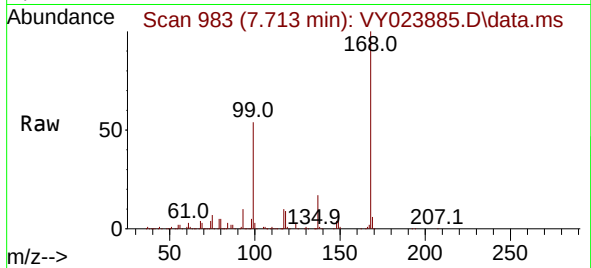




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

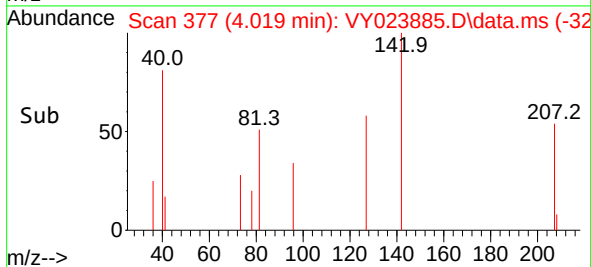
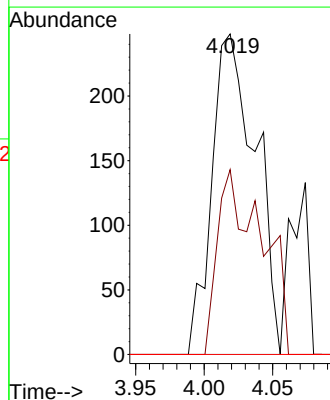
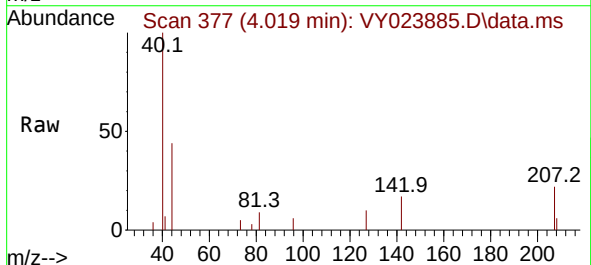
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

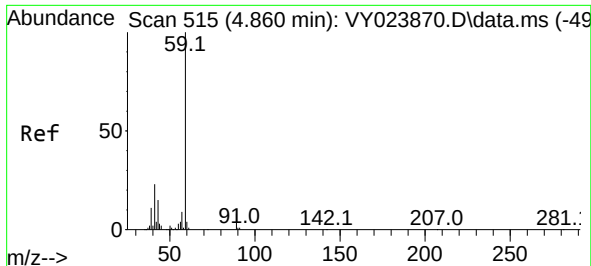
Tgt Ion:168 Resp: 743126
Ion Ratio Lower Upper
168 100
99 54.1 42.5 63.7



#10
Methyl Iodide
Concen: 2.502 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion:142 Resp: 550
Ion Ratio Lower Upper
142 100
127 58.9 36.1 54.1#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY023885.D

Acq: 04 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

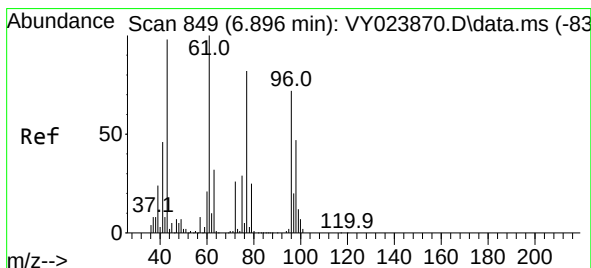
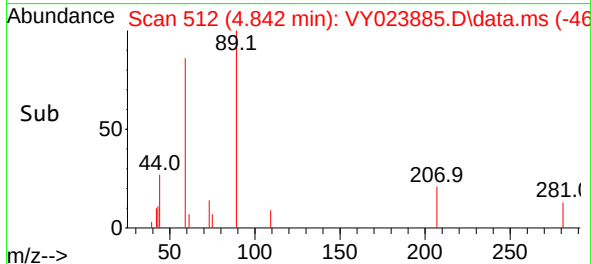
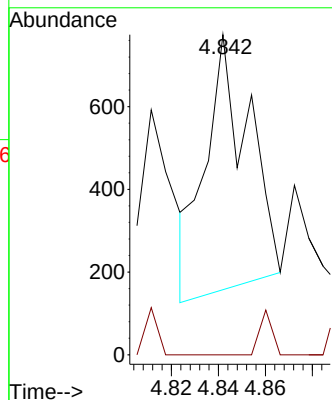
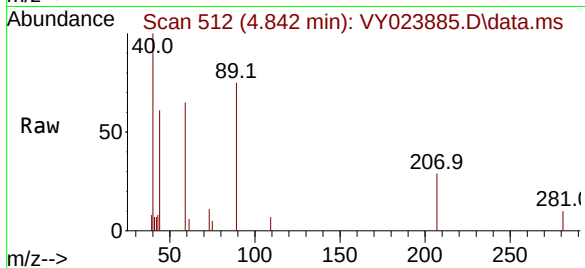
VIBLK

Tgt Ion: 59 Resp: 785

Ion Ratio Lower Upper

59 100

57 5.1 7.7 11.5#



#25

2-Butanone

Concen: 1.099 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY023885.D

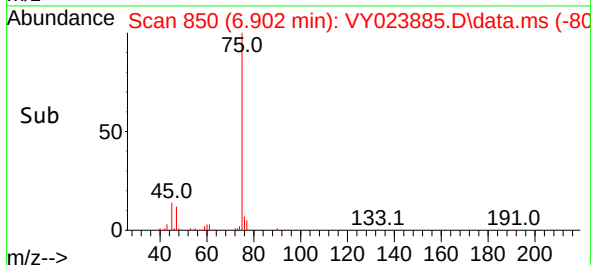
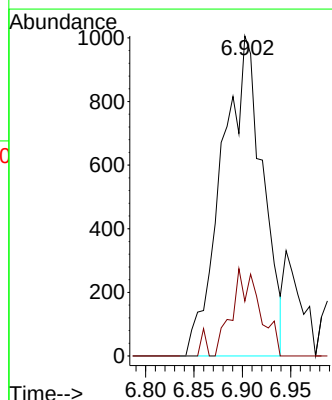
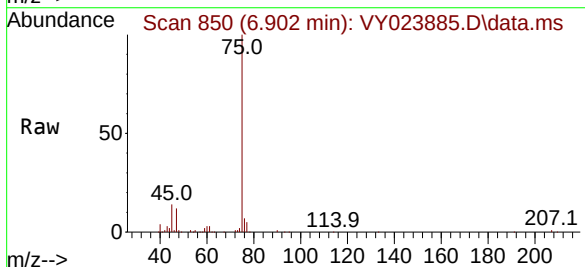
Acq: 04 Dec 2025 11:25

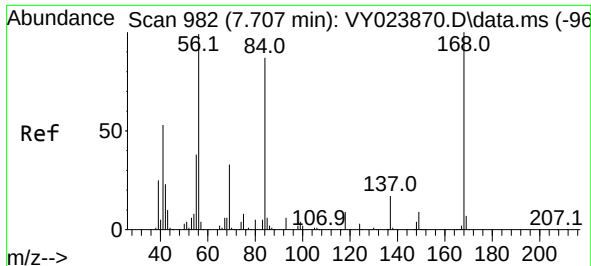
Tgt Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

72 17.1 21.0 31.6#

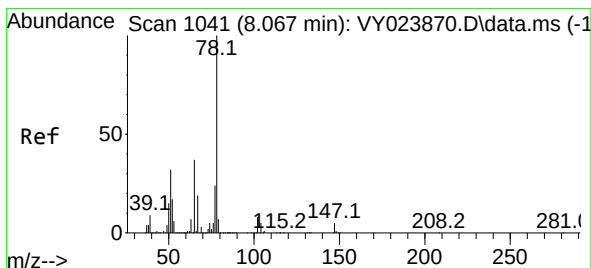
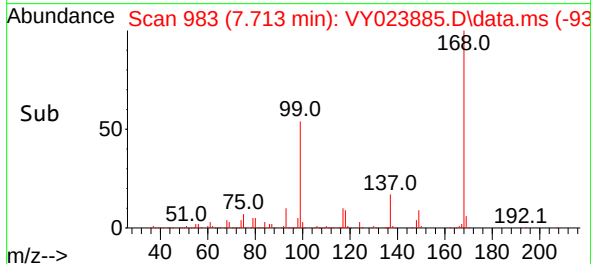
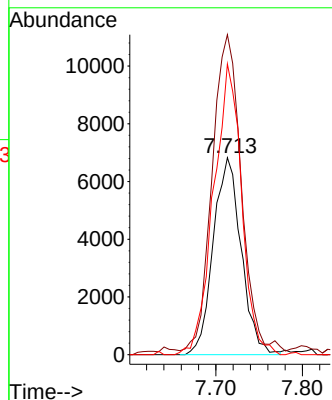
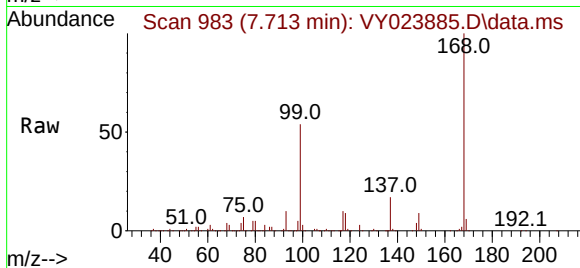




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

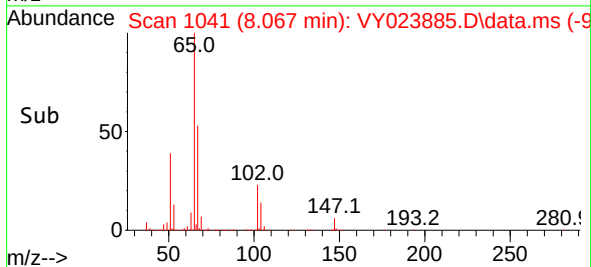
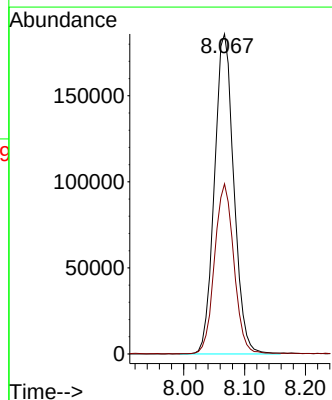
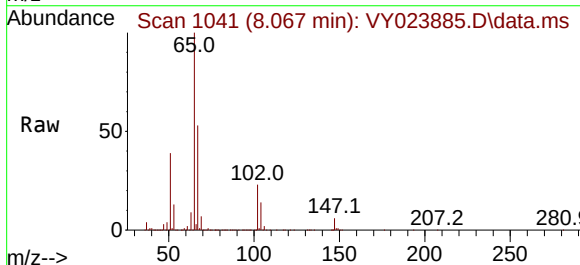
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

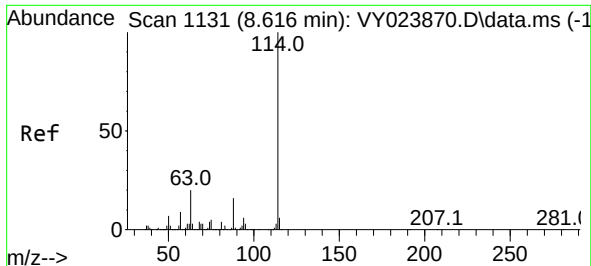
Tgt Ion: 56 Resp: 15270
Ion Ratio Lower Upper
56 100
69 160.4 26.8 40.2#
84 147.6 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 55.320 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion: 65 Resp: 411243
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023885.D

Acq: 04 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

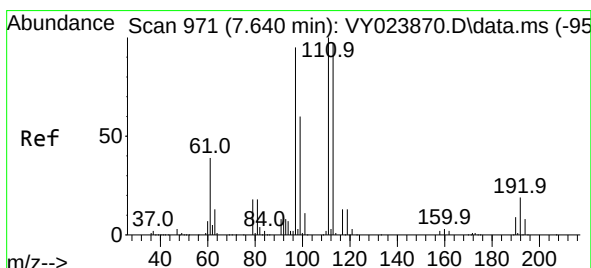
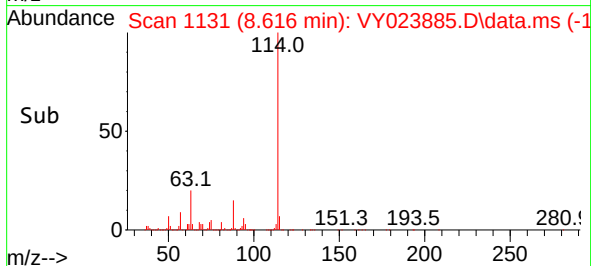
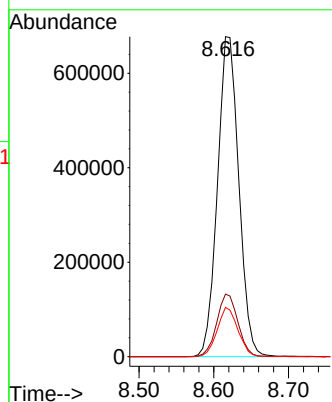
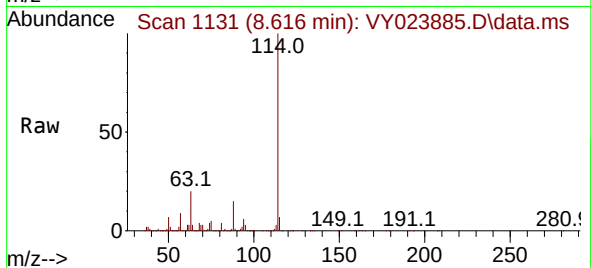
Tgt Ion:114 Resp: 1344804

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.213 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY023885.D

Acq: 04 Dec 2025 11:25

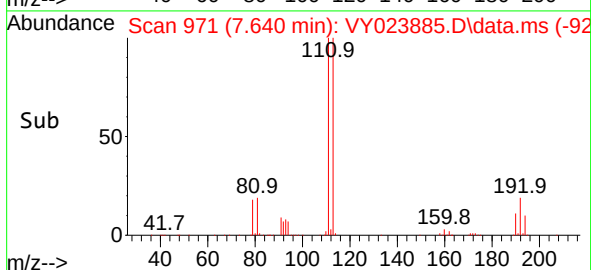
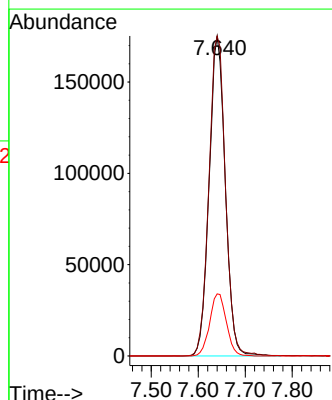
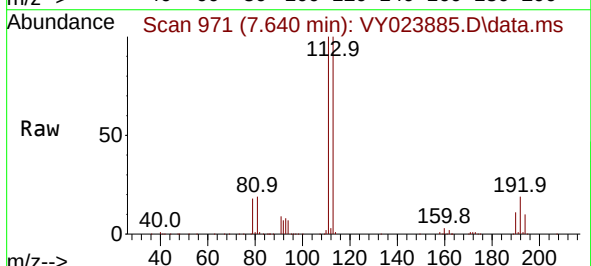
Tgt Ion:113 Resp: 415847

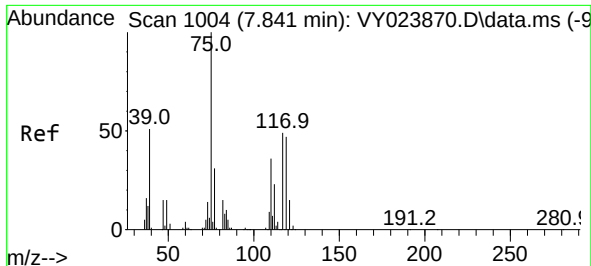
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 20.1 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.363 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY023885.D

Acq: 04 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

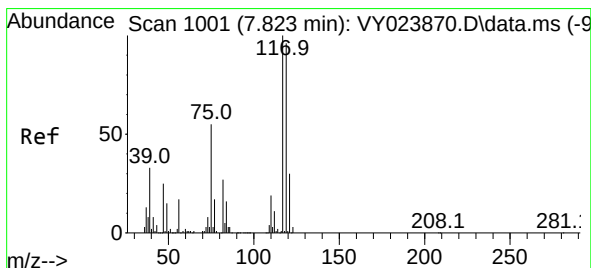
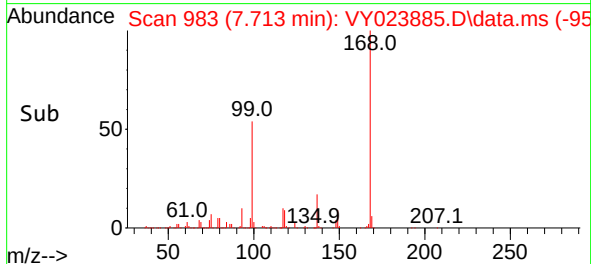
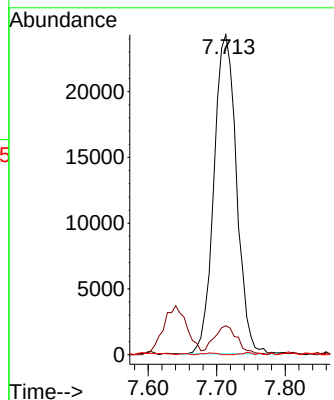
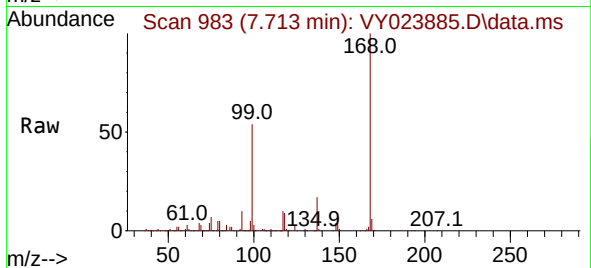
Tgt Ion: 75 Resp: 55494

Ion Ratio Lower Upper

75 100

110 9.6 17.6 52.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.079 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY023885.D

Acq: 04 Dec 2025 11:25

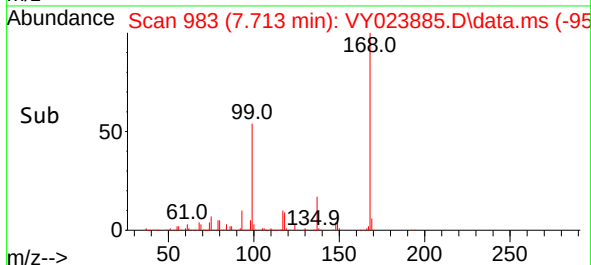
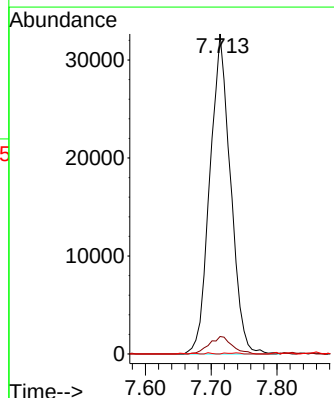
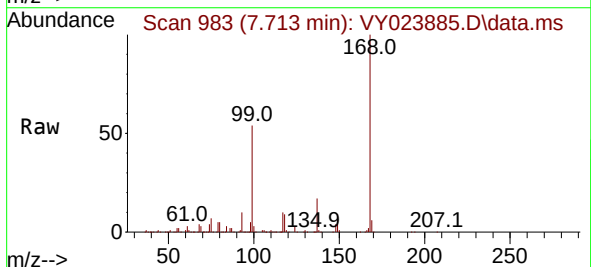
Tgt Ion: 117 Resp: 71287

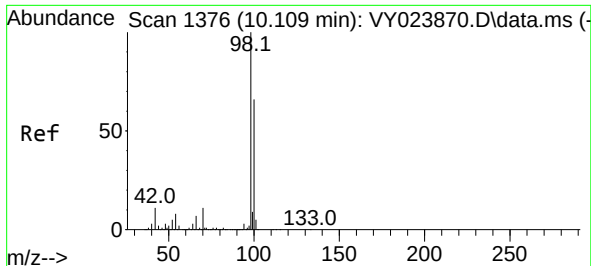
Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.6#

121 0.0 23.9 35.9#

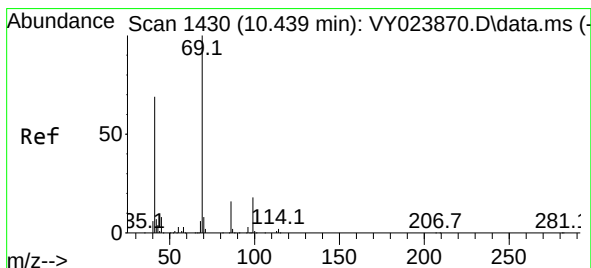
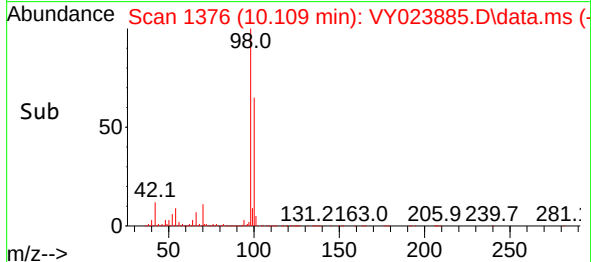
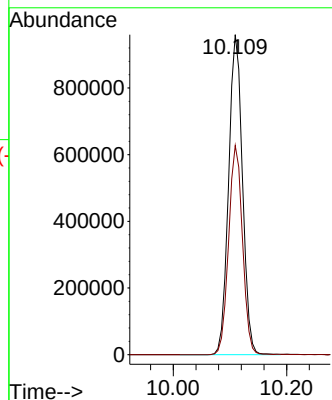
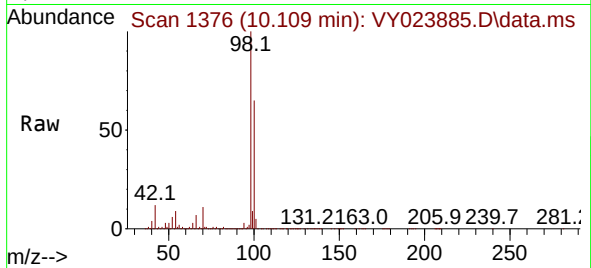




#50
Toluene-d8
Concen: 48.421 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

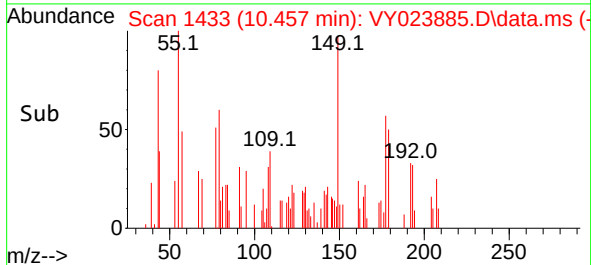
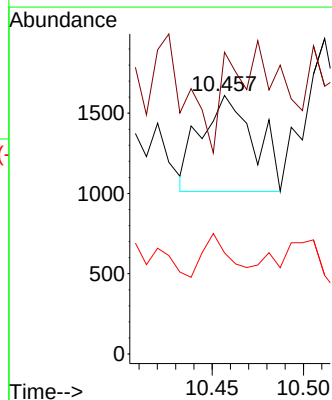
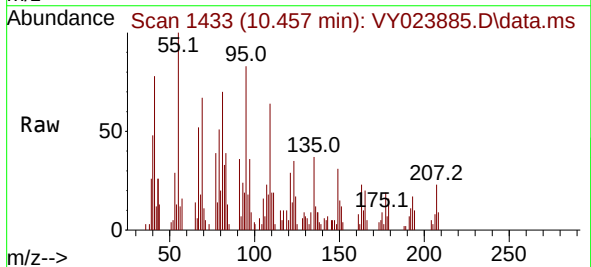
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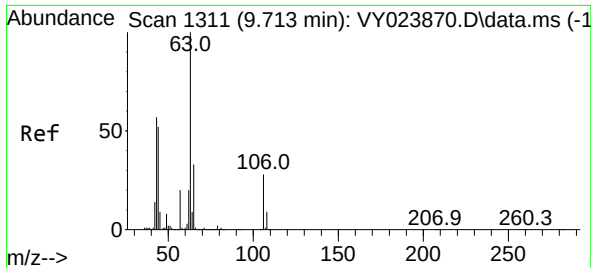
Tgt Ion: 98 Resp: 1625217
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.265 ug/l
RT: 10.457 min Scan# 1433
Delta R.T. 0.018 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion: 69 Resp: 1209
Ion Ratio Lower Upper
69 100
41 46.2 52.5 78.7#
39 22.0 27.1 40.7#

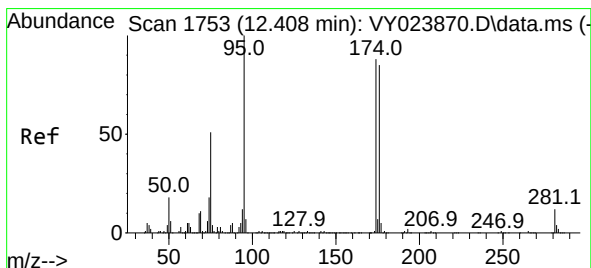
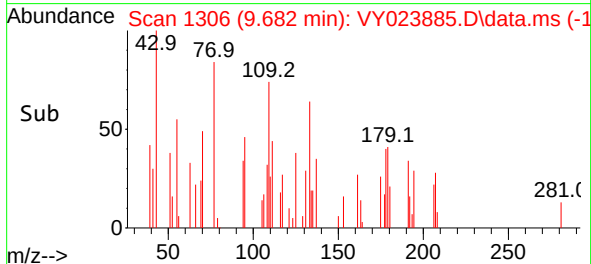
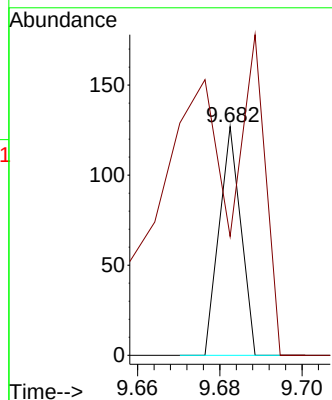
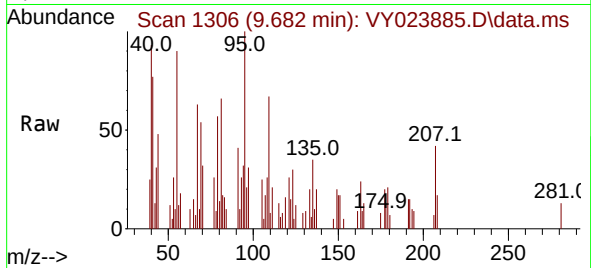




#58
2-Chloroethyl Vinyl ether
Concen: 14.728 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.031 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

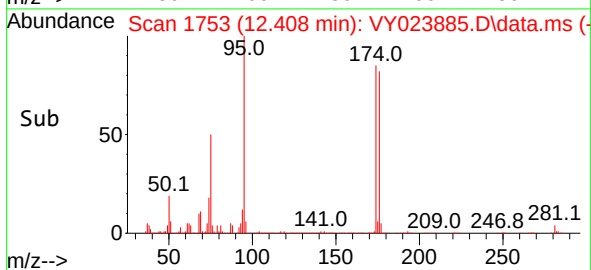
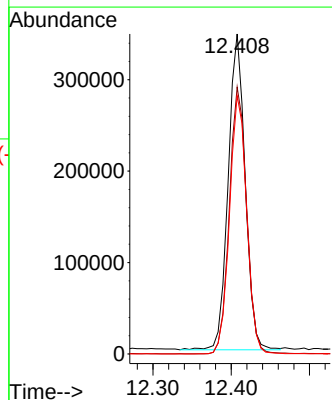
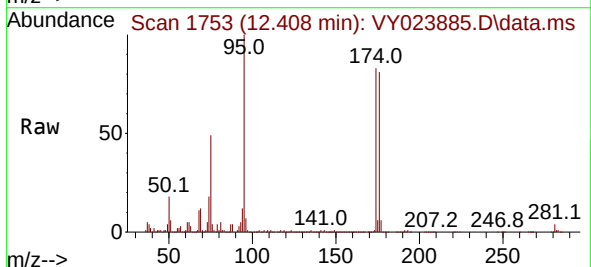
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

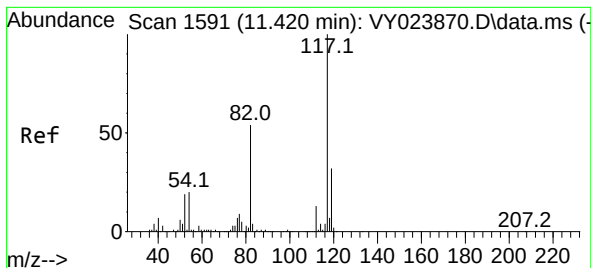
Tgt Ion: 63 Resp: 46
Ion Ratio Lower Upper
63 100
106 517.4 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 45.505 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion: 95 Resp: 520947
Ion Ratio Lower Upper
95 100
174 86.1 0.0 169.6
176 82.7 0.0 164.4

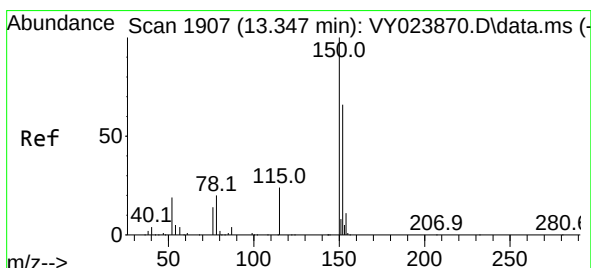
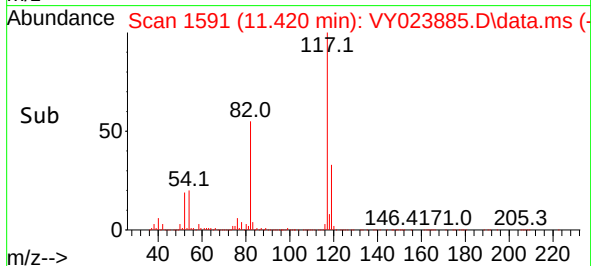
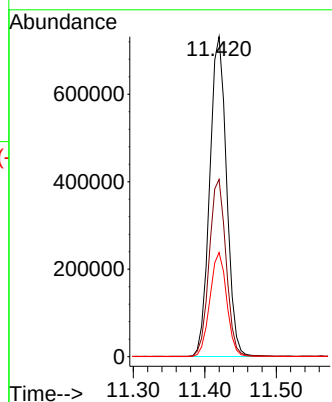
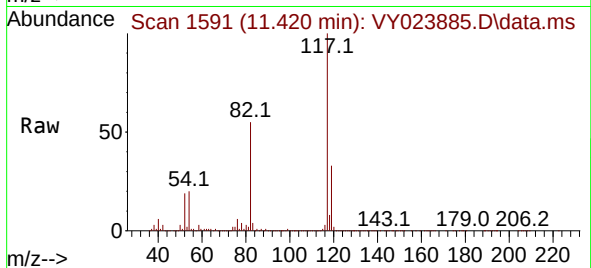




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

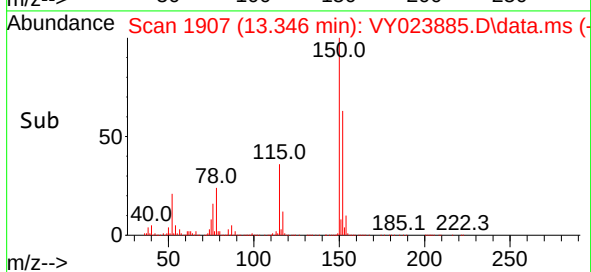
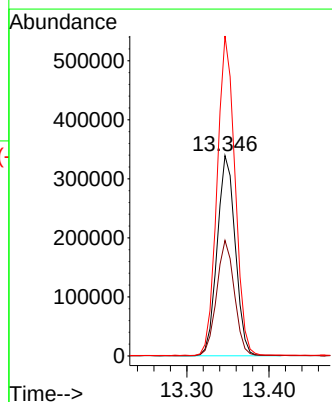
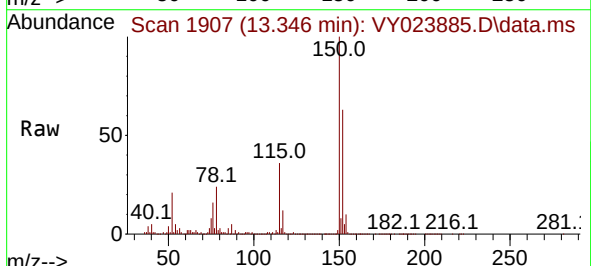
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

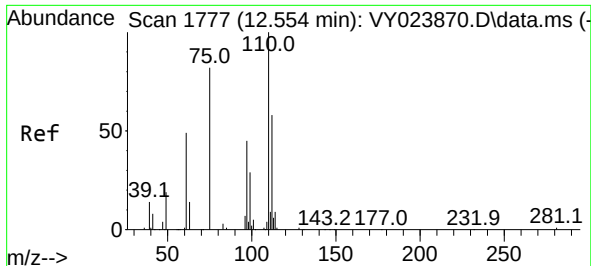
Tgt Ion:117 Resp: 1197444
Ion Ratio Lower Upper
117 100
82 55.3 43.1 64.7
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion:152 Resp: 517390
Ion Ratio Lower Upper
152 100
115 56.5 28.8 86.4
150 158.7 0.0 352.2

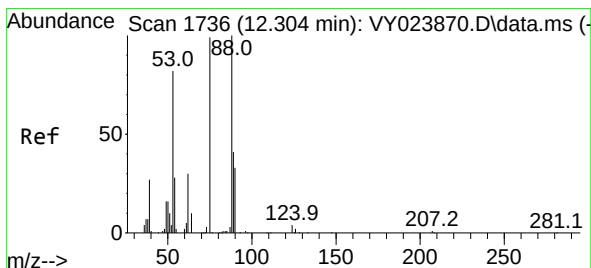
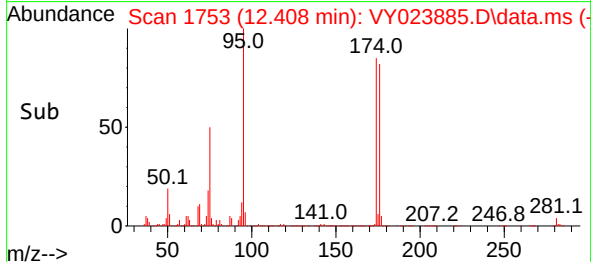
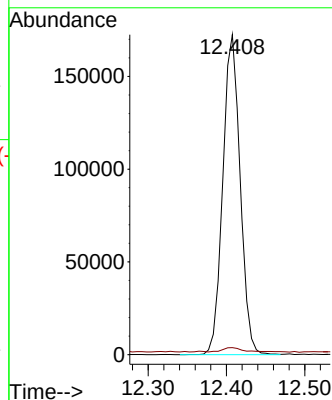
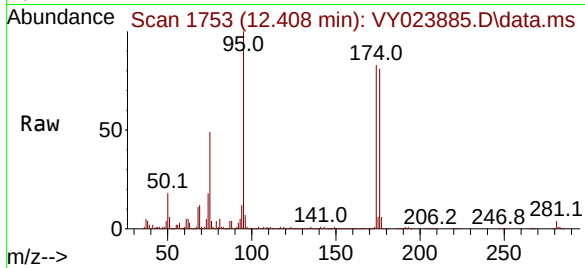




#76
1,2,3-Trichloropropane
Concen: 51.846 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 265931
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.176 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion: 75 Resp: 265931
Ion Ratio Lower Upper
75 100
53 0.3 71.1 106.7#
89 0.1 36.3 54.5#

