

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023919.D
 Acq On : 09 Dec 2025 19:24
 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 02:34:18 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	7.719	168	813233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1378940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1193156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	527039	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	394736	48.522	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.040%
35) Dibromofluoromethane	7.646	113	429463	48.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.120%
50) Toluene-d8	10.115	98	1561062	45.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.720%
62) 4-Bromofluorobenzene	12.408	95	477001	40.635	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.280%

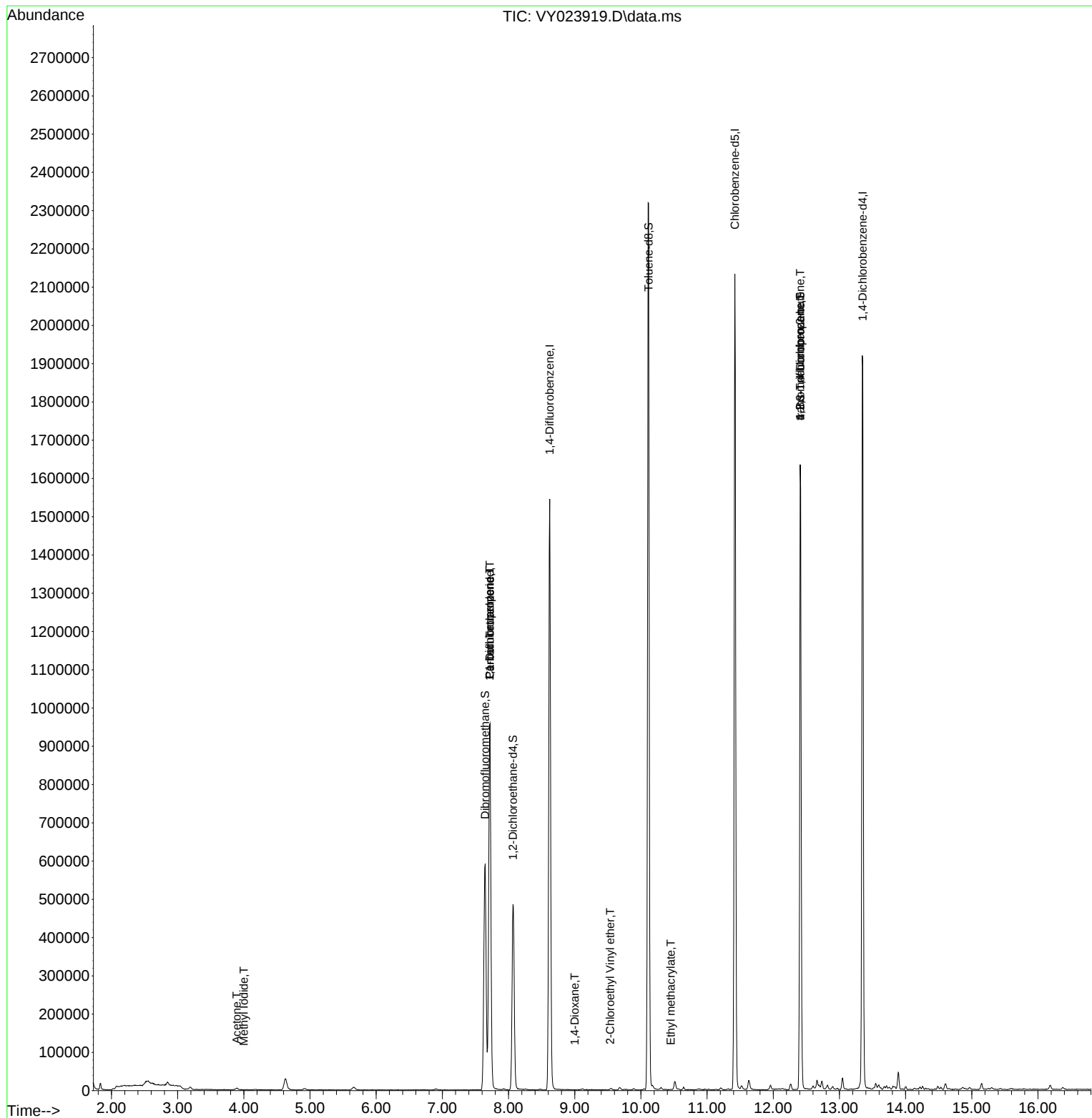
Target Compounds					Qvalue	
10) Methyl Iodide	4.000	142	105	2.451	ug/l #	39
11) Tert butyl alcohol	4.860	59	54	Below Cal	#	74
16) Acetone	3.891	43	7222	2.963	ug/l	97
36) 1,1-Dichloropropene	7.713	75	52212	4.004	ug/l #	50
38) Carbon Tetrachloride	7.719	117	73776	5.126	ug/l #	16
49) 1,4-Dioxane	9.000	88	63	1.121	ug/l #	25
56) Ethyl methacrylate	10.451	69	55	4.156	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.536	63	22	14.722	ug/l #	47
76) 1,2,3-Trichloropropane	12.408	75	234476	44.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	234476	107.483	ug/l #	14

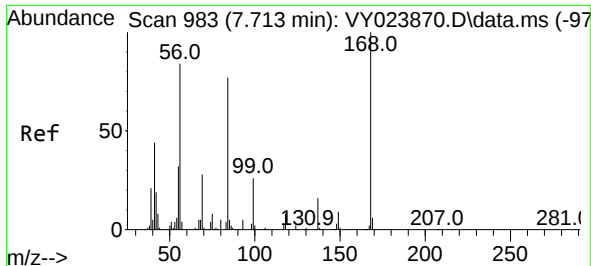
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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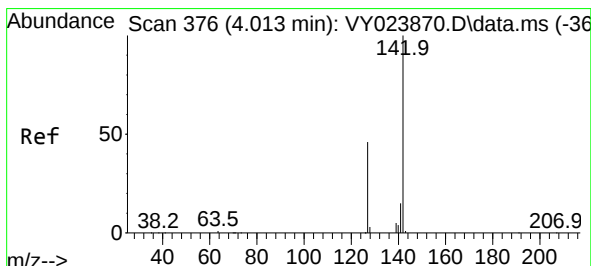
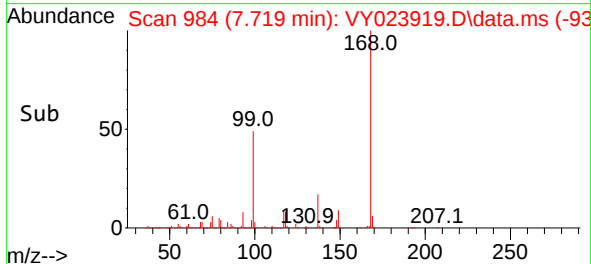
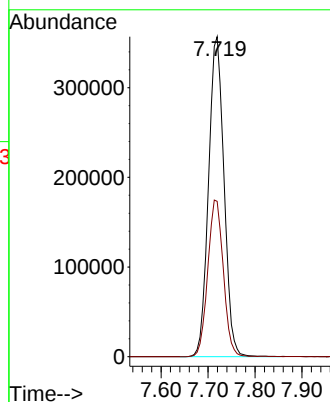
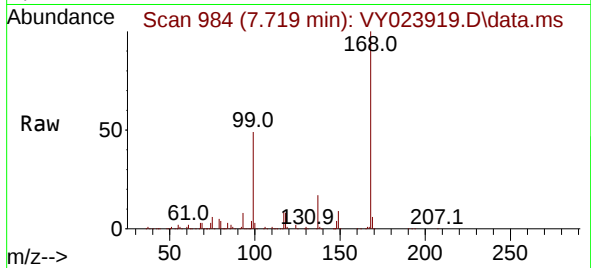




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

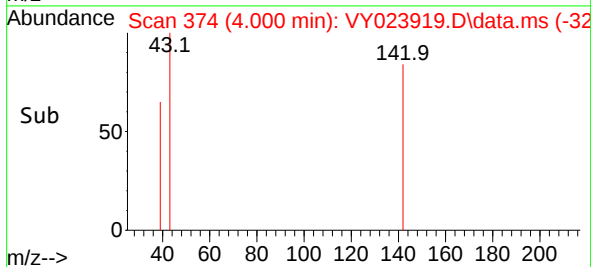
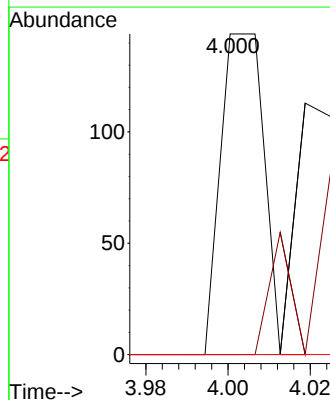
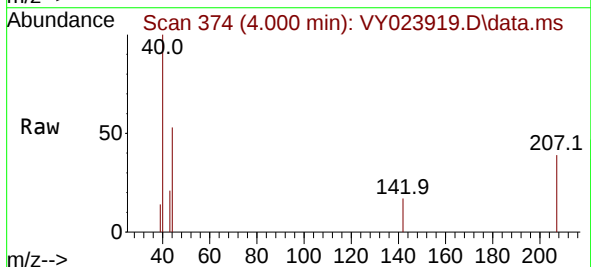
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

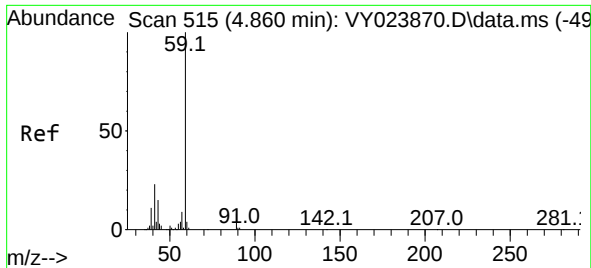
Tgt Ion:168 Resp: 813233
Ion Ratio Lower Upper
168 100
99 48.5 42.5 63.7



#10
Methyl Iodide
Concen: 2.451 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.012 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion:142 Resp: 105
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.8 17.8#

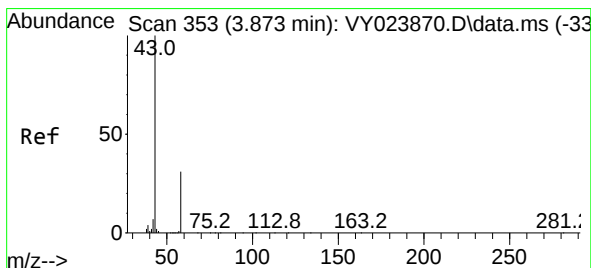
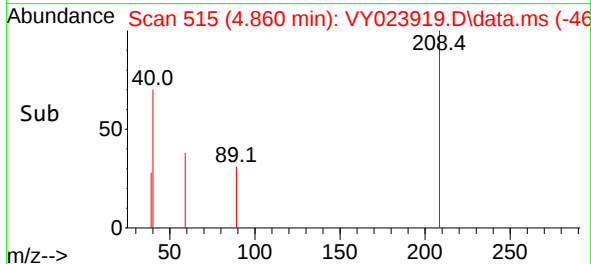
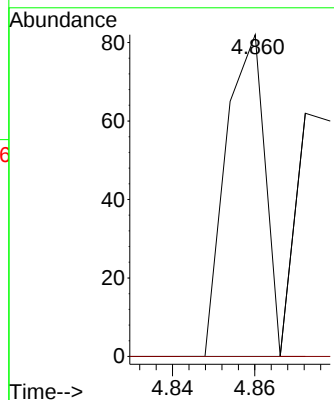
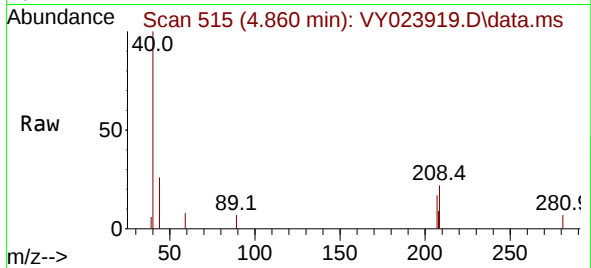




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

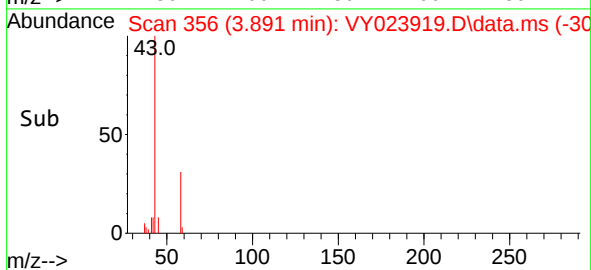
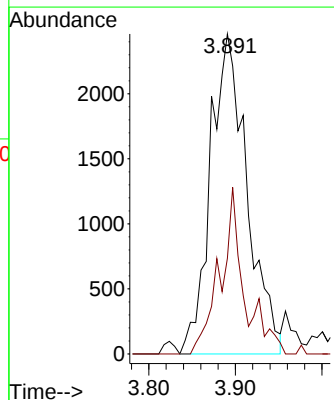
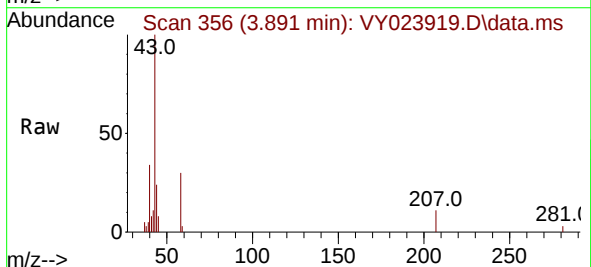
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

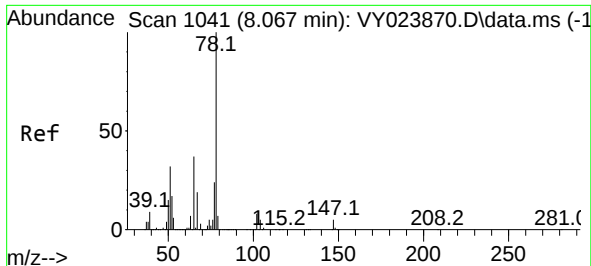
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 2.963 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 43 Resp: 7222
Ion Ratio Lower Upper
43 100
58 29.9 25.1 37.7





#33

1,2-Dichloroethane-d4

Concen: 48.522 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023919.D

Acq: 09 Dec 2025 19:24

Instrument :

MSVOA_Y

ClientSampleId :

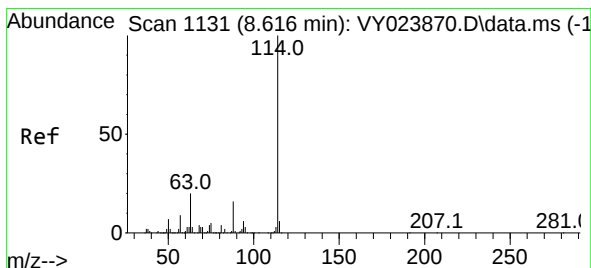
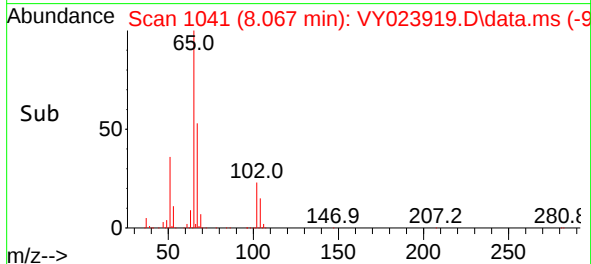
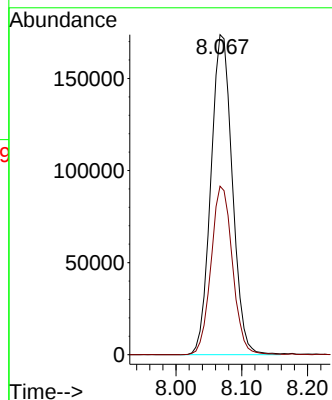
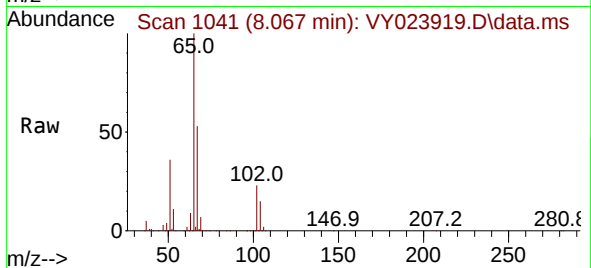
VIBLK

Tgt Ion: 65 Resp: 394736

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023919.D

Acq: 09 Dec 2025 19:24

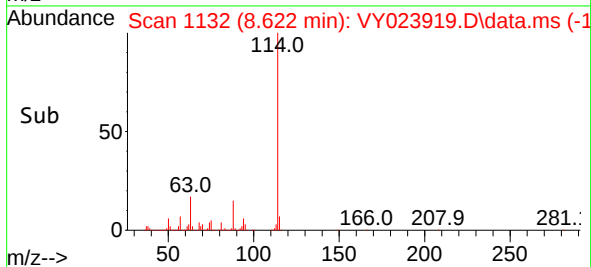
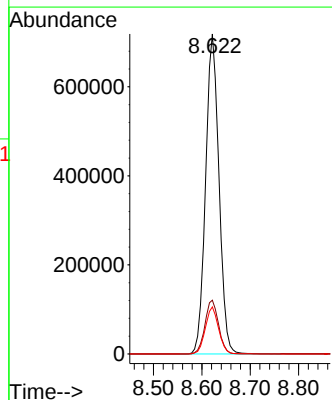
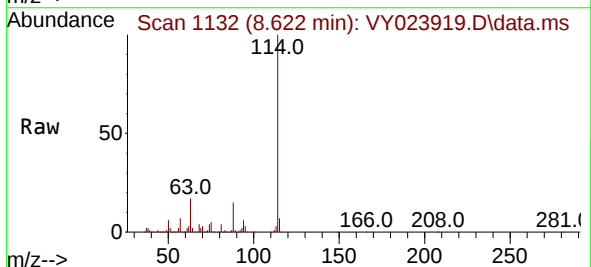
Tgt Ion:114 Resp: 1378940

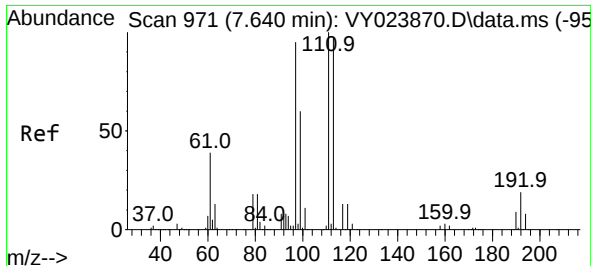
Ion Ratio Lower Upper

114 100

63 16.8 0.0 39.2

88 14.7 0.0 31.4

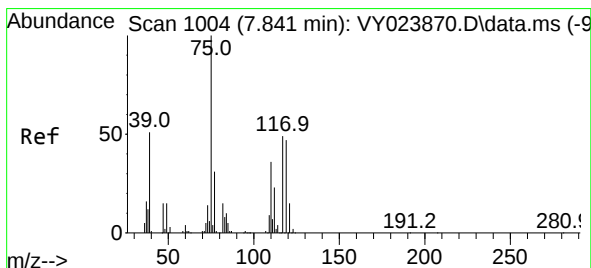
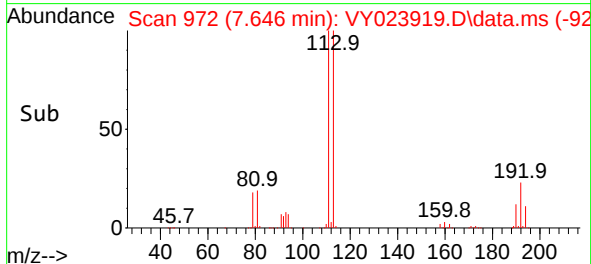
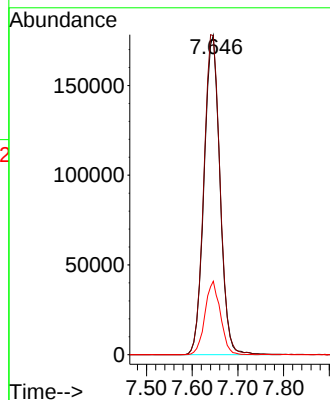
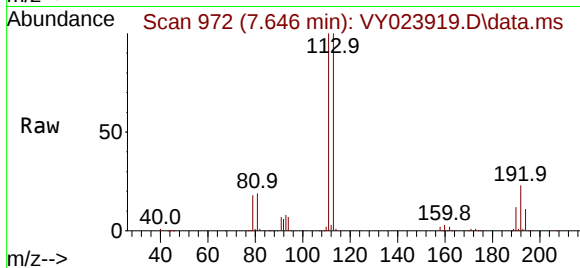




#35
Dibromofluoromethane
Concen: 48.559 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

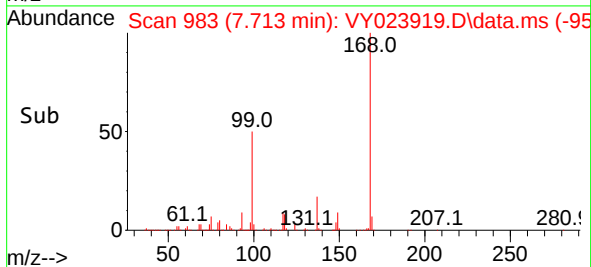
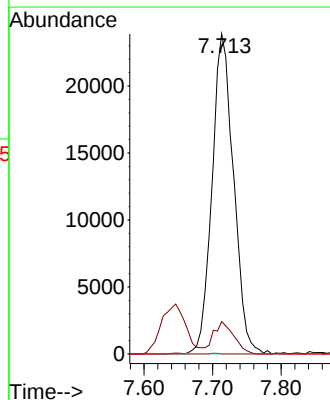
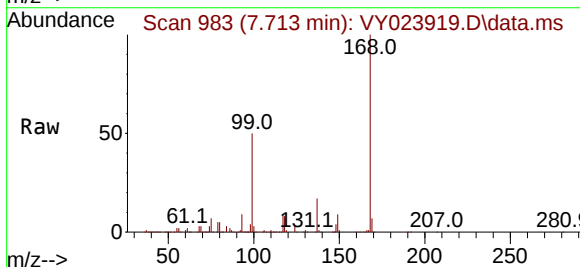
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

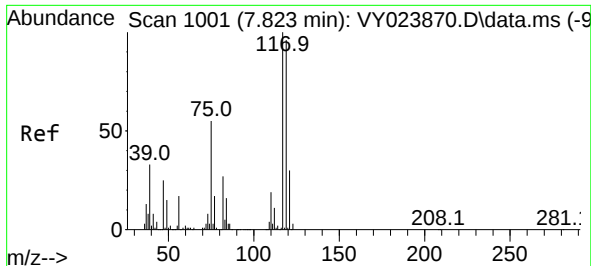
Tgt Ion:113 Resp: 429463
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 22.4 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.004 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 75 Resp: 52212
Ion Ratio Lower Upper
75 100
110 9.4 17.6 52.9#
77 0.1 24.6 37.0#

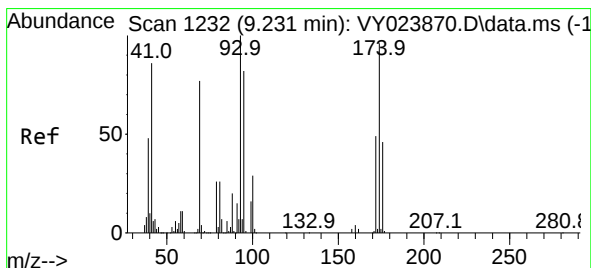
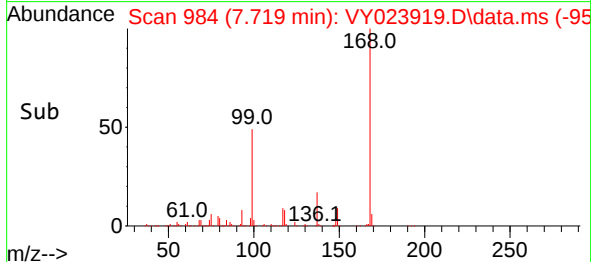
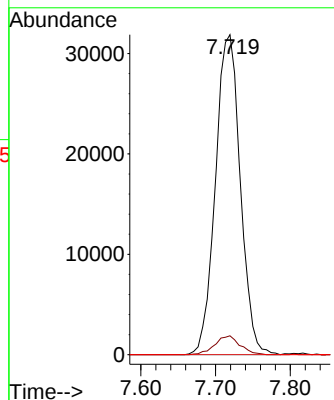
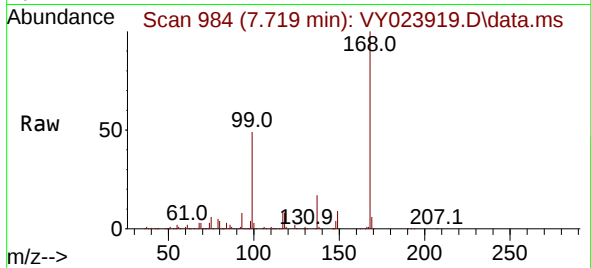




#38
Carbon Tetrachloride
Concen: 5.126 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

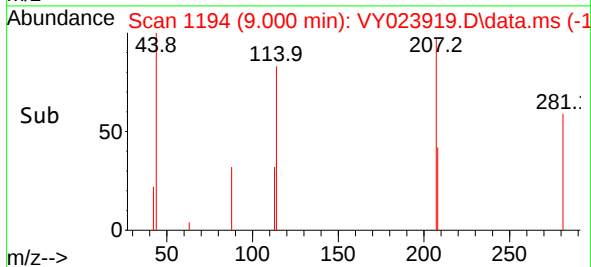
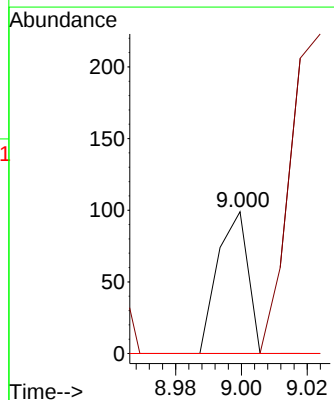
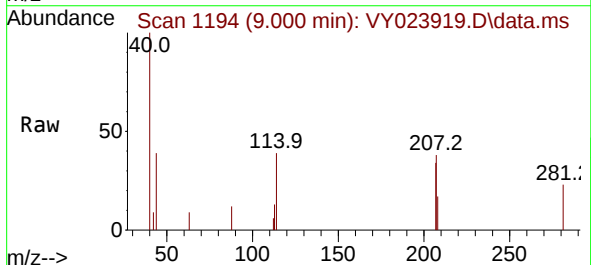
Instrument :
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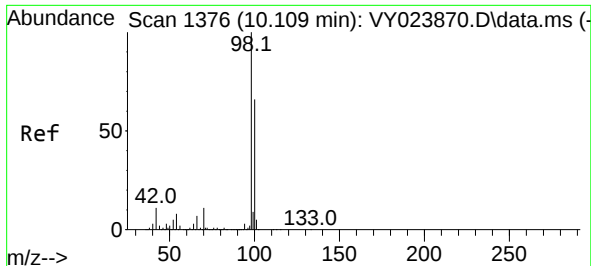
Tgt Ion:117 Resp: 73776
Ion Ratio Lower Upper
117 100
119 5.9 77.0 115.6#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 1.121 ug/l
RT: 9.000 min Scan# 1194
Delta R.T. -0.232 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 0.0 52.4 78.6#

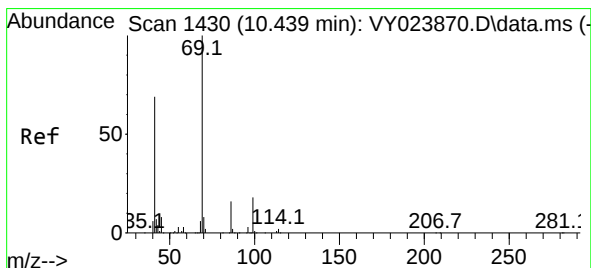
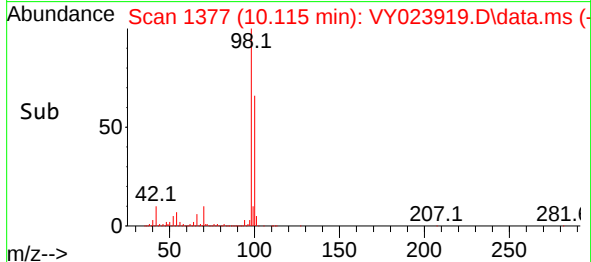
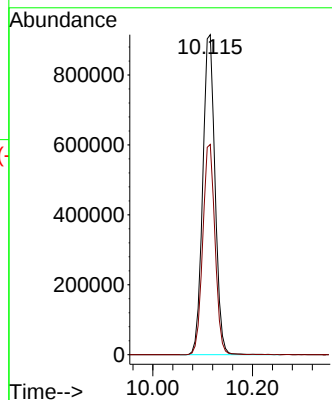
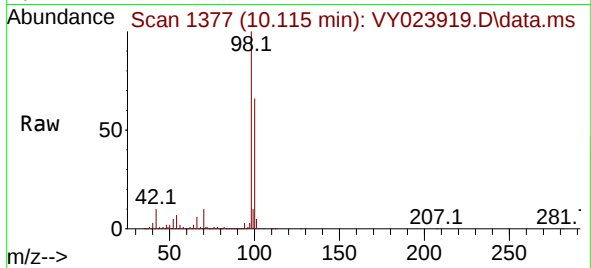




#50
Toluene-d8
Concen: 45.359 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

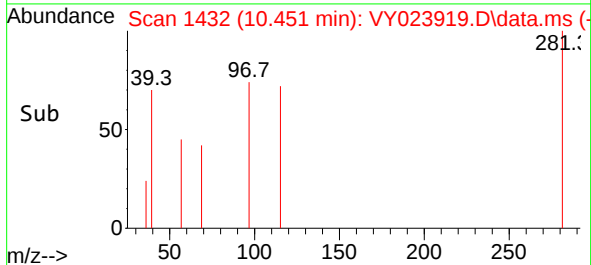
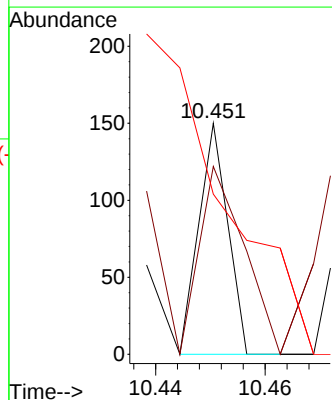
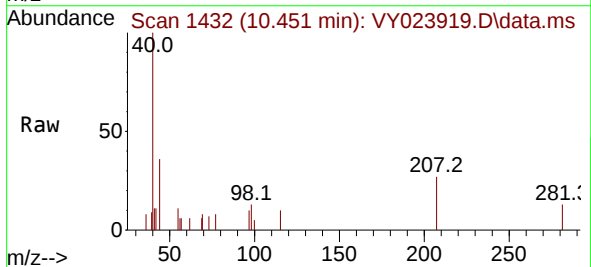
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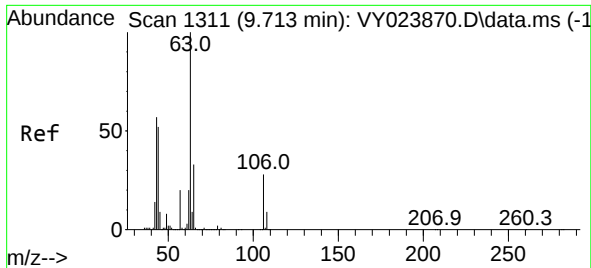
Tgt Ion: 98 Resp: 1561062
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.156 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.012 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 196.4 52.5 78.7#
39 0.0 27.1 40.7#

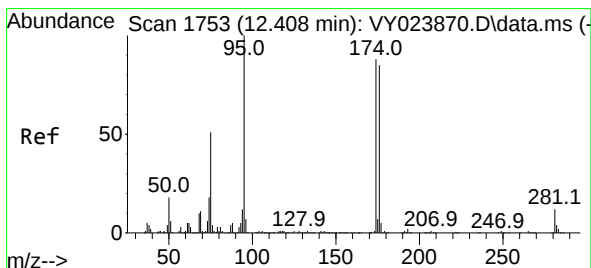
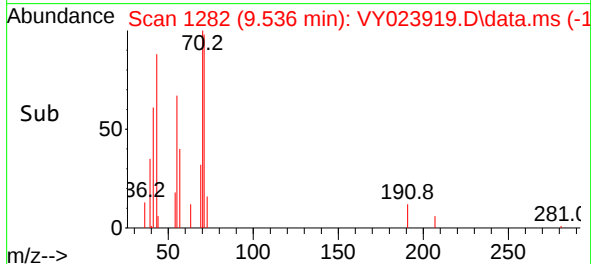
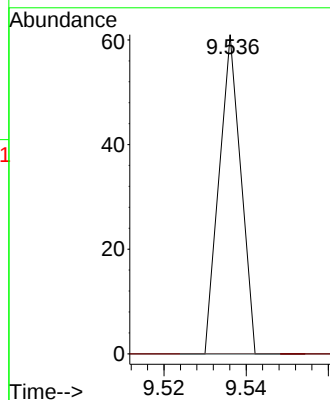
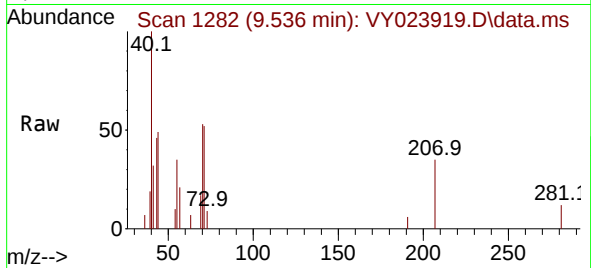




#58
2-Chloroethyl Vinyl ether
Concen: 14.722 ug/l
RT: 9.536 min Scan# 11
Delta R.T. -0.177 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

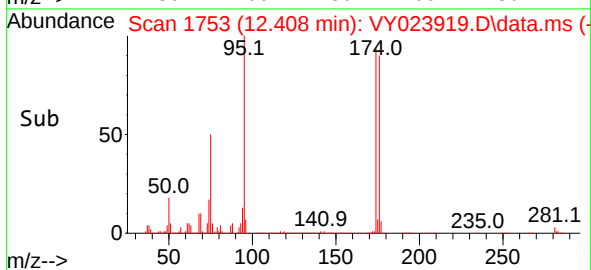
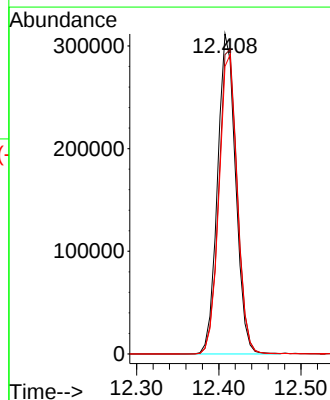
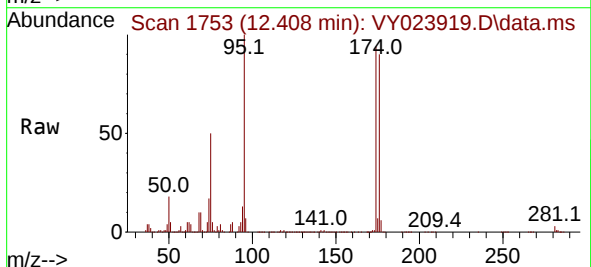
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

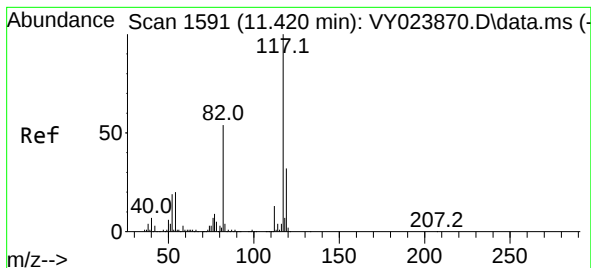
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 40.635 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 95 Resp: 477001
Ion Ratio Lower Upper
95 100
174 97.1 0.0 169.6
176 94.0 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: VY023919.D

Acq: 09 Dec 2025 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

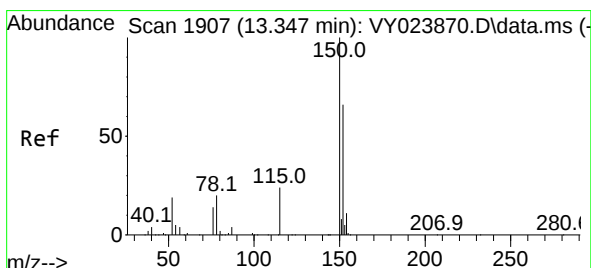
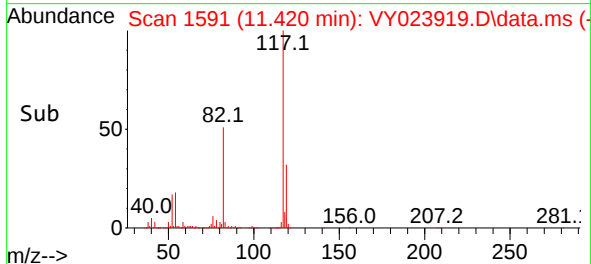
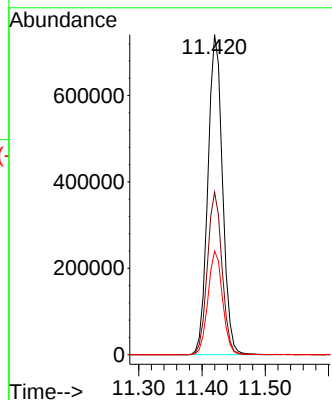
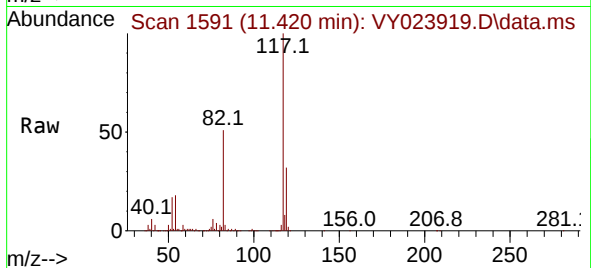
Tgt Ion:117 Resp: 1193156

Ion Ratio Lower Upper

117 100

82 50.7 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: VY023919.D

Acq: 09 Dec 2025 19:24

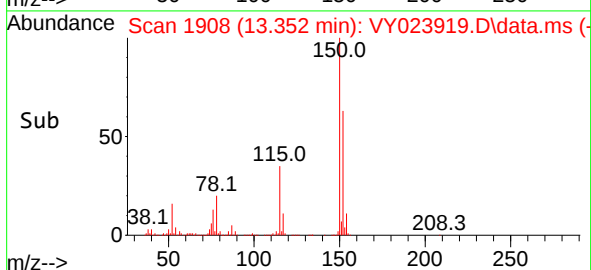
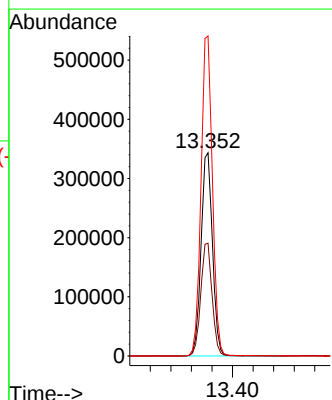
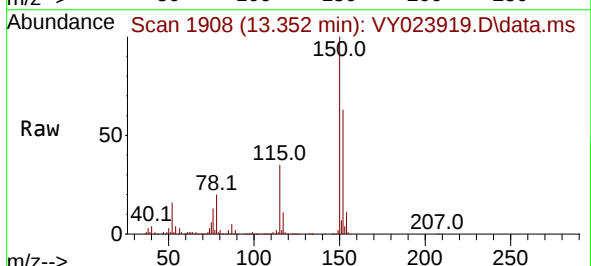
Tgt Ion:152 Resp: 527039

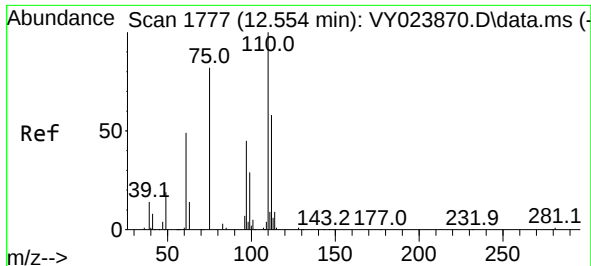
Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.4

150 157.2 0.0 352.2

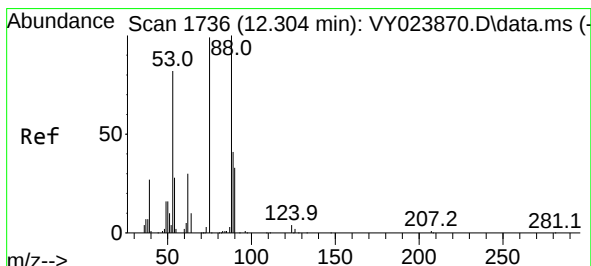
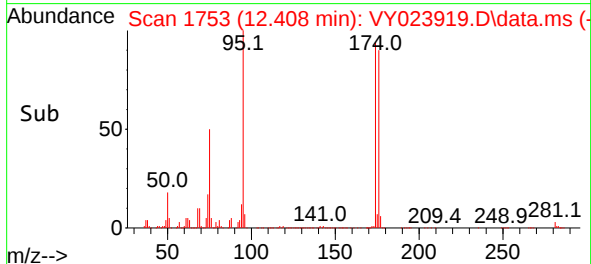
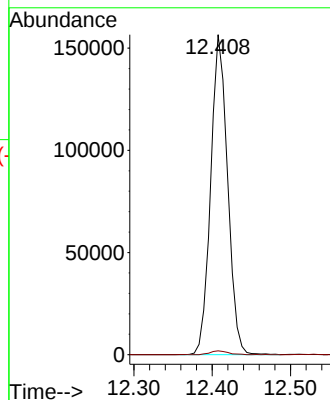
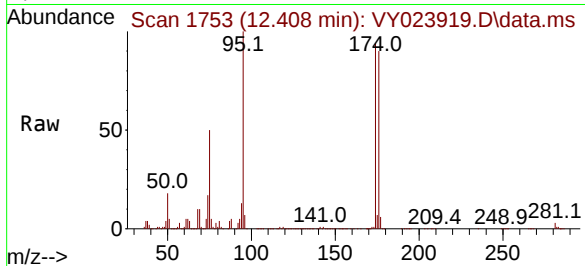




#76
1,2,3-Trichloropropane
Concen: 44.877 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 234476
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.483 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 75 Resp: 234476
Ion Ratio Lower Upper
75 100
53 0.1 71.1 106.7#
89 0.0 36.3 54.5#

