

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023669.D
 Acq On : 04 Nov 2025 12:37
 Operator : SY/MD
 Sample : VY1104SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1104SBL01

Quant Time: Nov 05 04:49:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

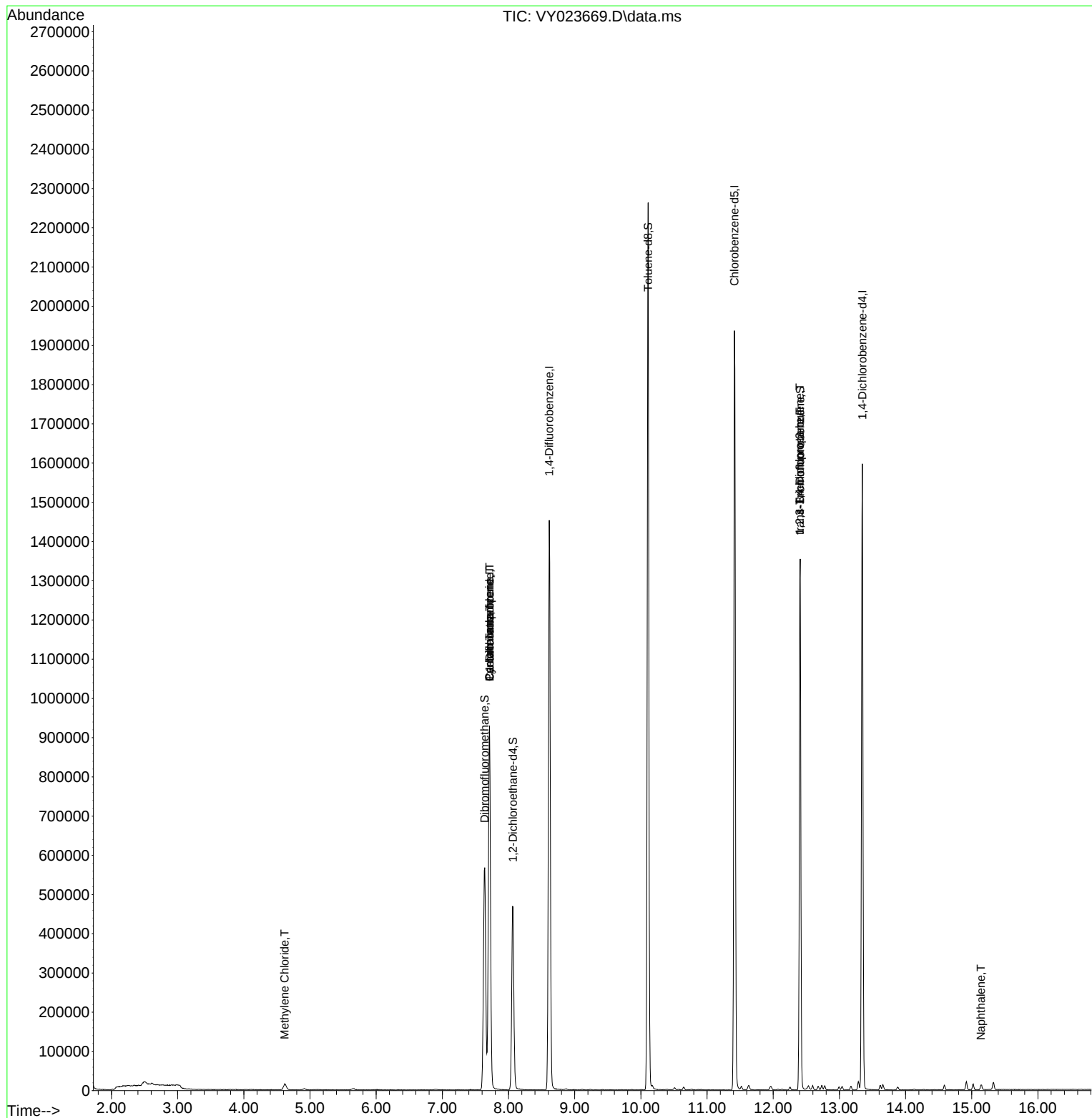
Internal Standards						
1) Pentafluorobenzene	7.713	168	768853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1305551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1079069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	430805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	371143	56.590	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.180%			
35) Dibromofluoromethane	7.640	113	415518	50.929	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.860%			
50) Toluene-d8	10.109	98	1469198	48.341	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.680%			
62) 4-Bromofluorobenzene	12.408	95	414916	42.215	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.440%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	11822	1.502	ug/l	94
31) Cyclohexane	7.713	56	13211	1.222	ug/l #	7
36) 1,1-Dichloropropene	7.713	75	51240	4.700	ug/l #	48
38) Carbon Tetrachloride	7.713	117	70990	5.527	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	202289	58.020	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	202289	131.121	ug/l #	14
95) Naphthalene	15.139	128	11426	6.068	ug/l #	95

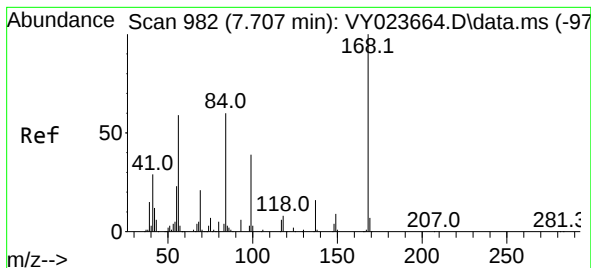
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

Quant Time: Nov 05 04:49:23 2025
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Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023669.D

Acq: 04 Nov 2025 12:37

Instrument :

MSVOA_Y

ClientSampleId :

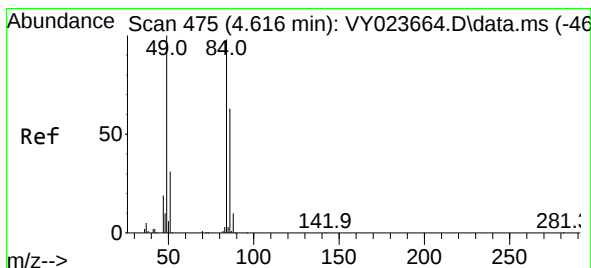
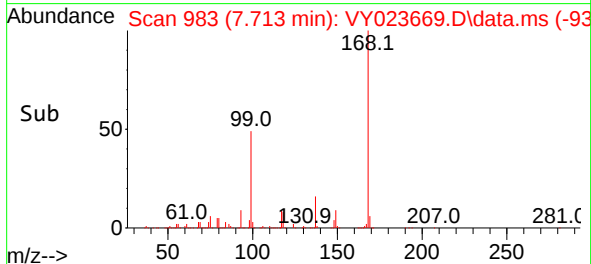
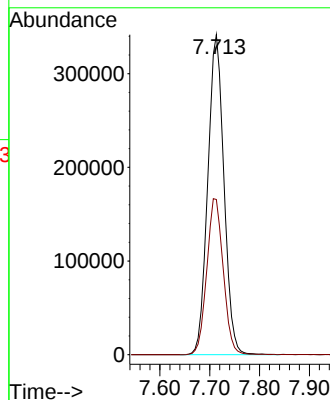
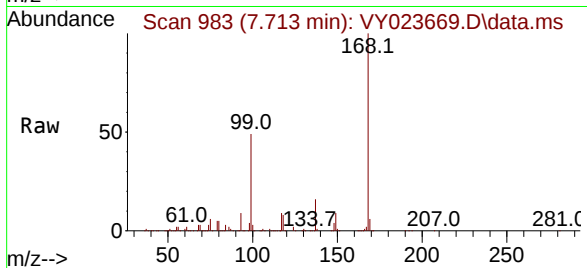
VY1104SBL01

Tgt Ion:168 Resp: 768853

Ion Ratio Lower Upper

168 100

99 48.5 41.0 61.4



#20

Methylene Chloride

Concen: 1.502 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023669.D

Acq: 04 Nov 2025 12:37

Tgt Ion: 84 Resp: 11822

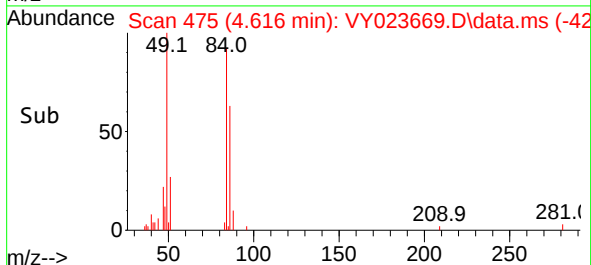
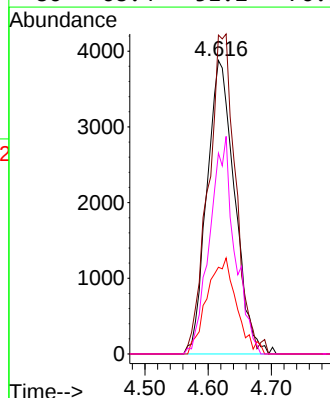
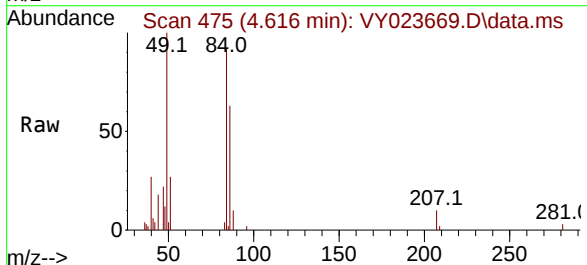
Ion Ratio Lower Upper

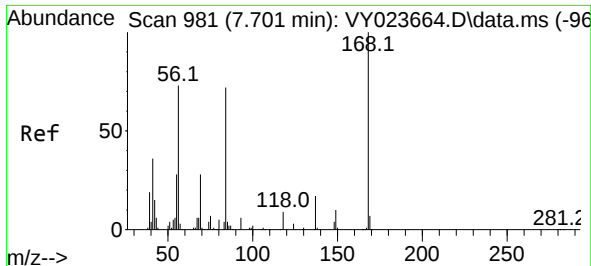
84 100

49 108.6 81.5 122.3

51 29.6 25.5 38.3

86 68.4 51.2 76.8

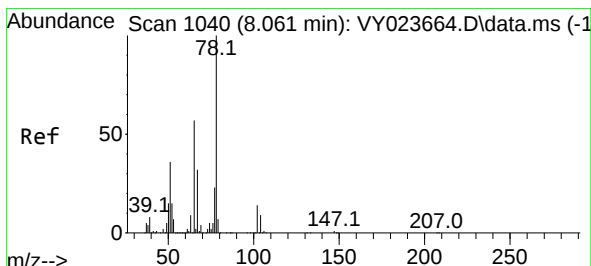
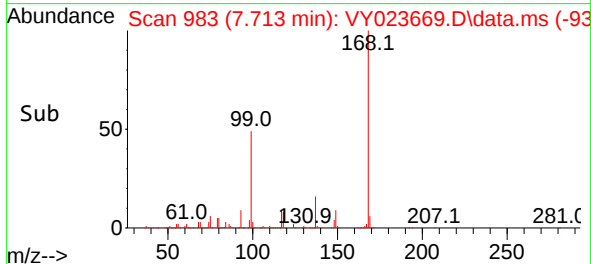
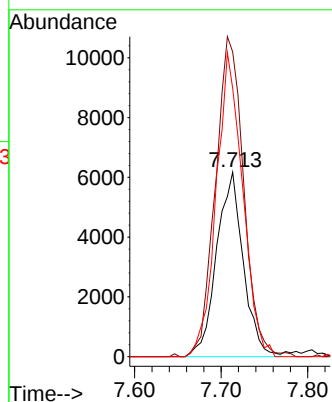
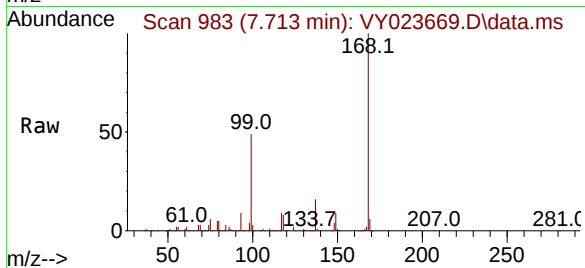




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023669.D
Acq: 04 Nov 2025 12:37

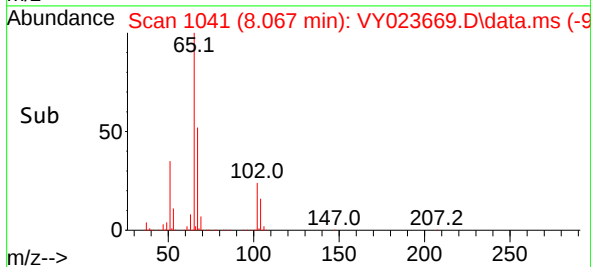
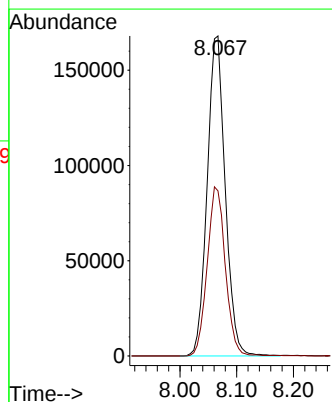
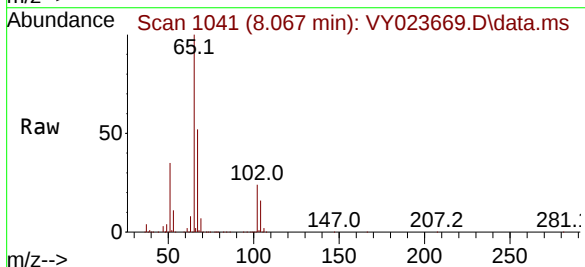
Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

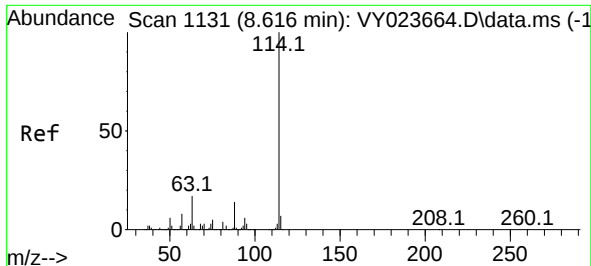
Tgt Ion: 56 Resp: 13211
Ion Ratio Lower Upper
56 100
69 165.3 30.5 45.7#
84 145.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 56.590 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023669.D
Acq: 04 Nov 2025 12:37

Tgt Ion: 65 Resp: 371143
Ion Ratio Lower Upper
65 100
67 53.1 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: VY023669.D

Acq: 04 Nov 2025 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1104SBL01

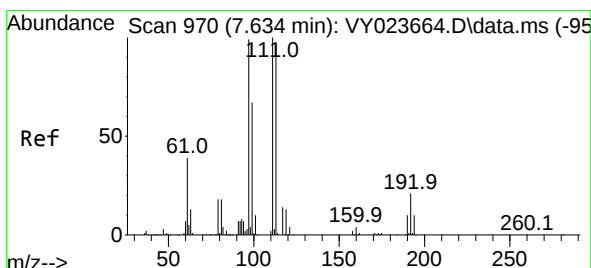
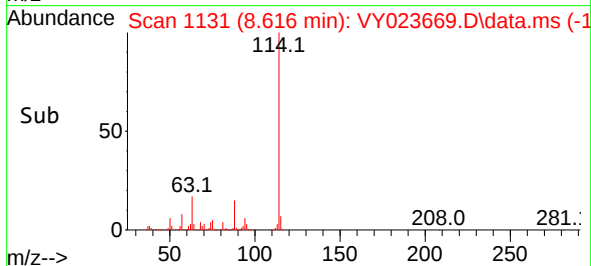
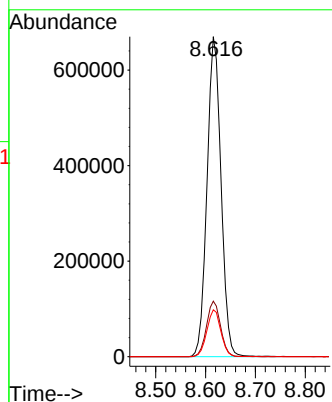
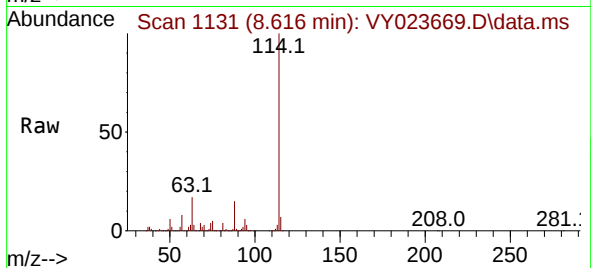
Tgt Ion:114 Resp: 1305551

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.929 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023669.D

Acq: 04 Nov 2025 12:37

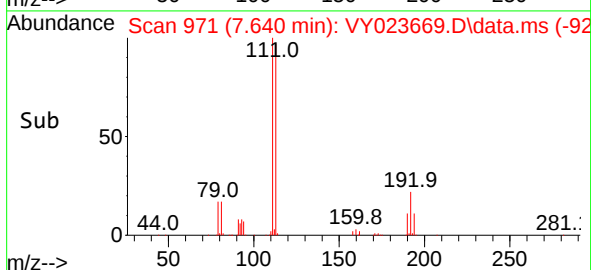
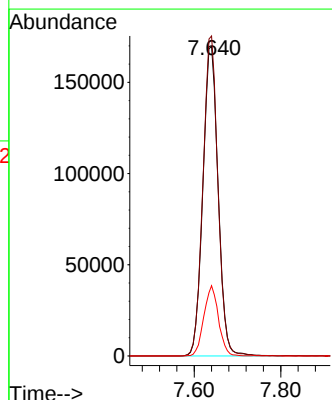
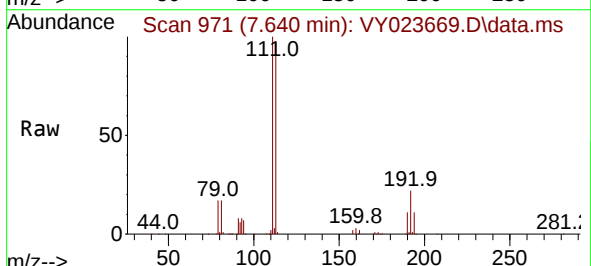
Tgt Ion:113 Resp: 415518

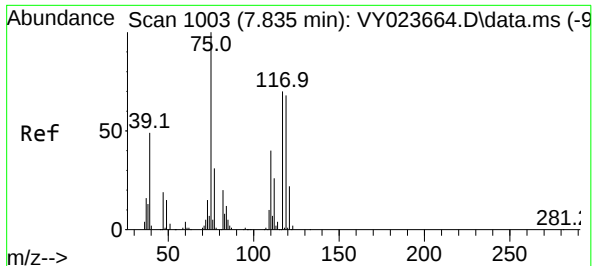
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 21.7 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.700 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023669.D

Acq: 04 Nov 2025 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1104SBL01

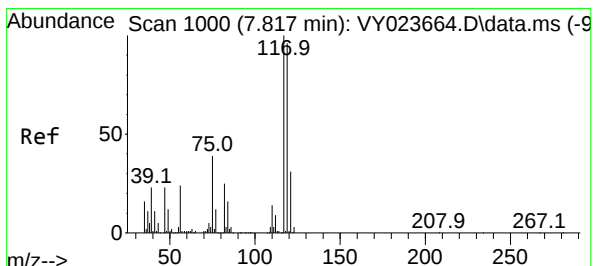
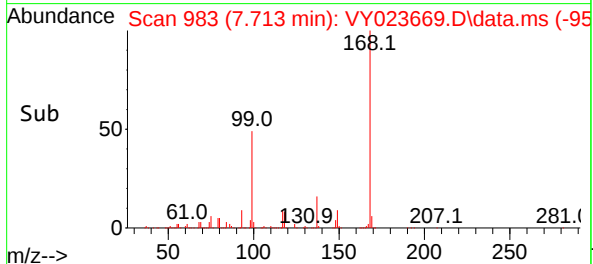
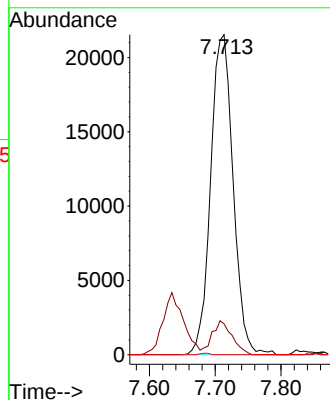
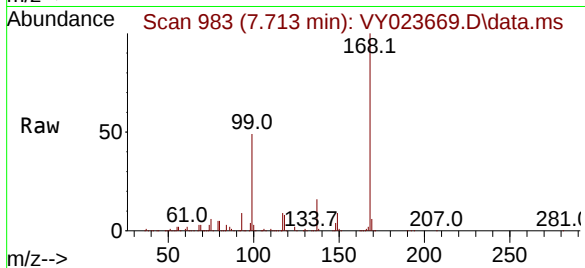
Tgt Ion: 75 Resp: 51240

Ion Ratio Lower Upper

75 100

110 9.5 19.7 59.0#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.527 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023669.D

Acq: 04 Nov 2025 12:37

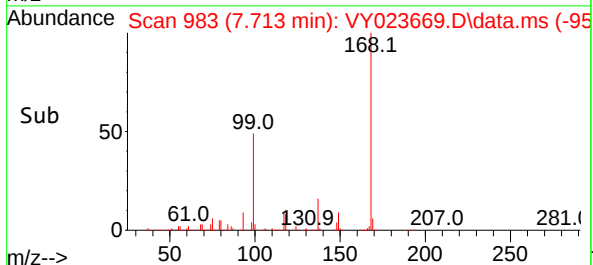
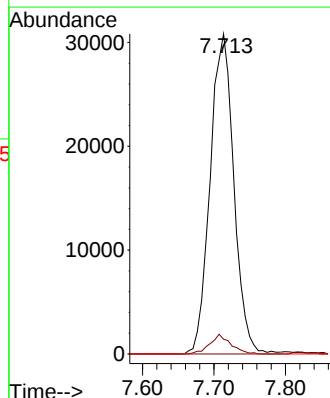
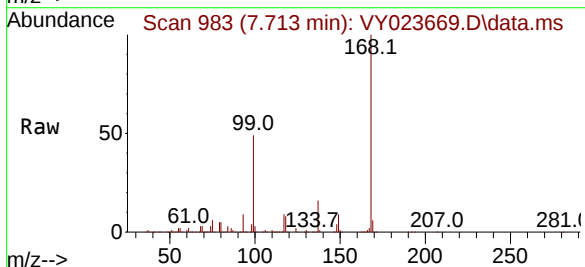
Tgt Ion: 117 Resp: 70990

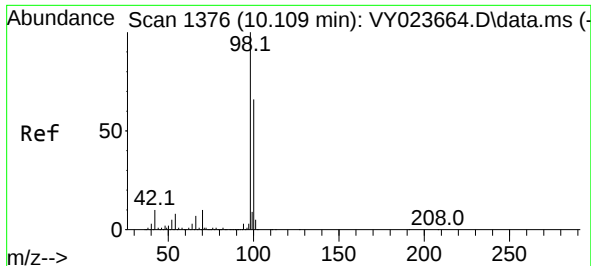
Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

121 0.0 24.8 37.2#

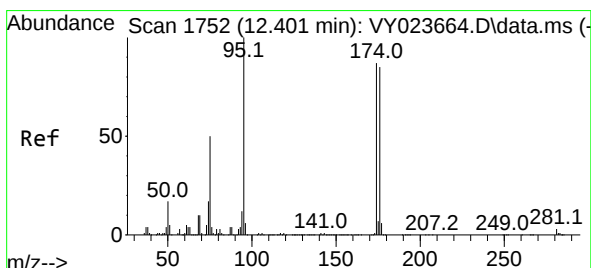
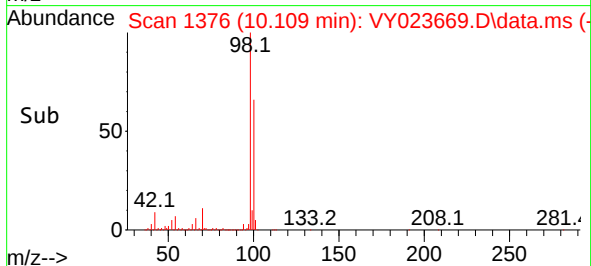
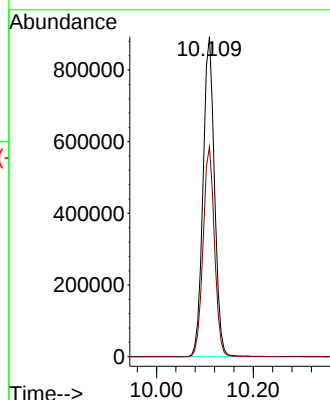
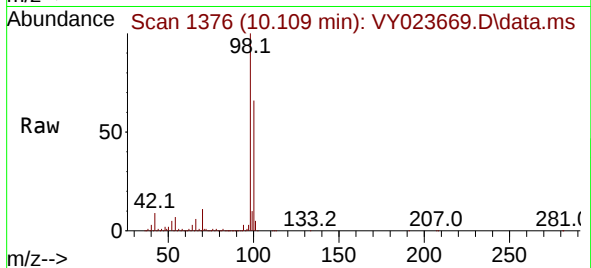




#50
Toluene-d8
Concen: 48.341 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023669.D
Acq: 04 Nov 2025 12:37

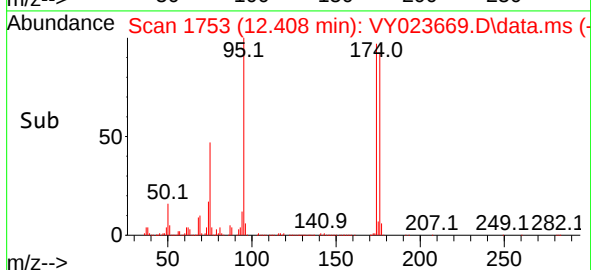
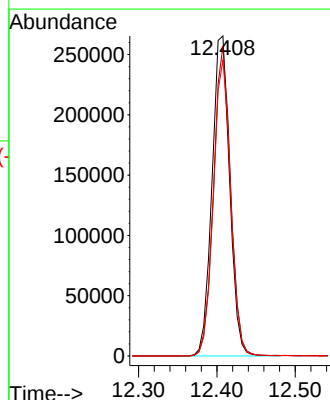
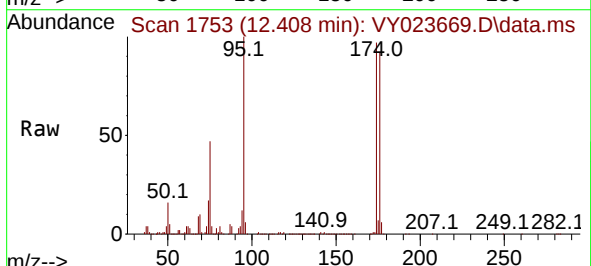
Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

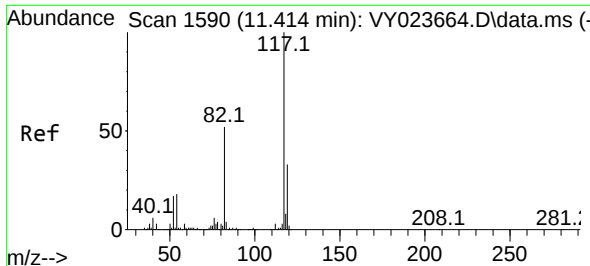
Tgt Ion: 98 Resp: 1469198
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.215 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023669.D
Acq: 04 Nov 2025 12:37

Tgt Ion: 95 Resp: 414916
Ion Ratio Lower Upper
95 100
174 94.2 0.0 184.8
176 90.8 0.0 181.6

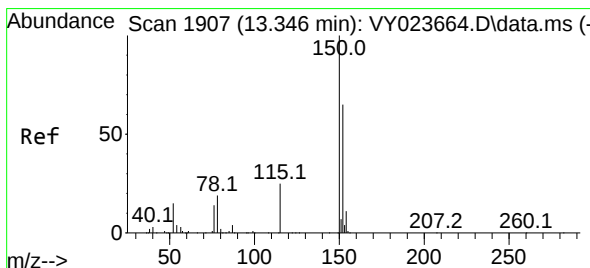
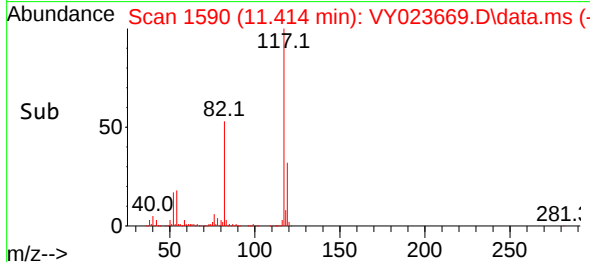
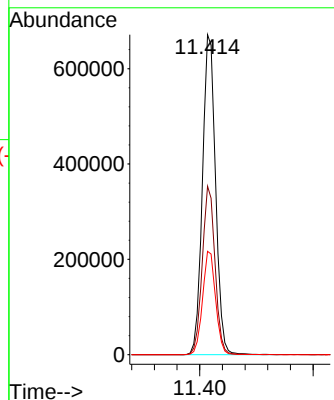
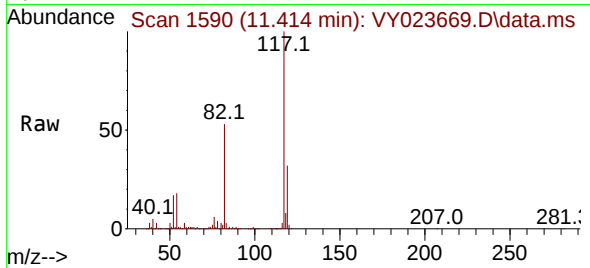




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023669.D
Acq: 04 Nov 2025 12:37

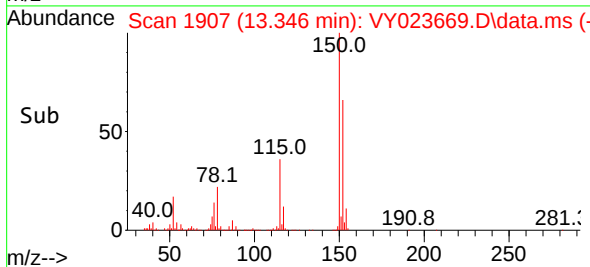
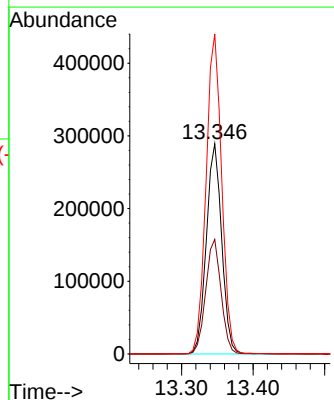
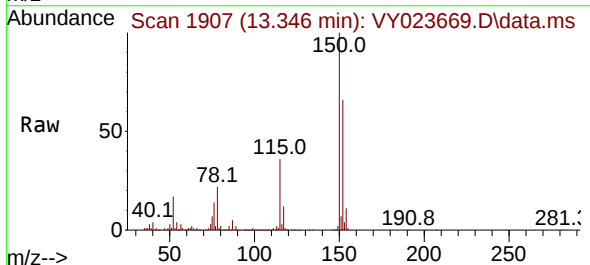
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MSVOA_Y
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VY1104SBL01

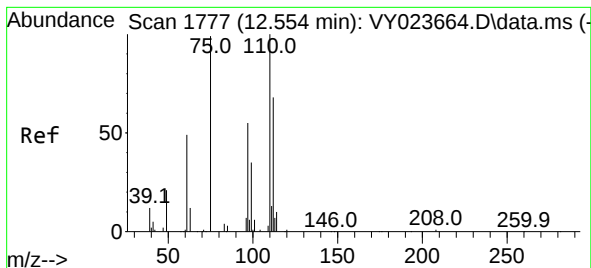
Tgt Ion:117 Resp: 1079069
Ion Ratio Lower Upper
117 100
82 52.7 41.2 61.8
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023669.D
Acq: 04 Nov 2025 12:37

Tgt Ion:152 Resp: 430805
Ion Ratio Lower Upper
152 100
115 54.6 27.5 82.5
150 154.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 58.020 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023669.D

Acq: 04 Nov 2025 12:37

Instrument :

MSVOA_Y

ClientSampleId :

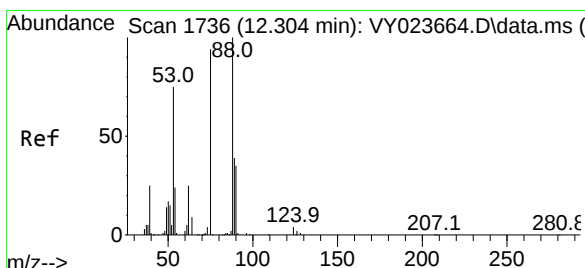
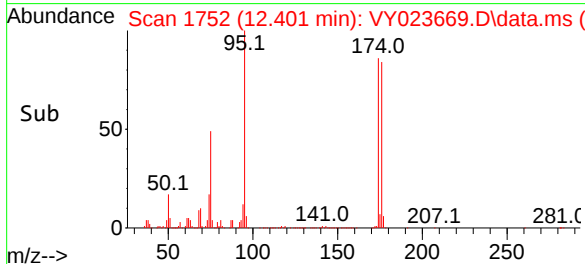
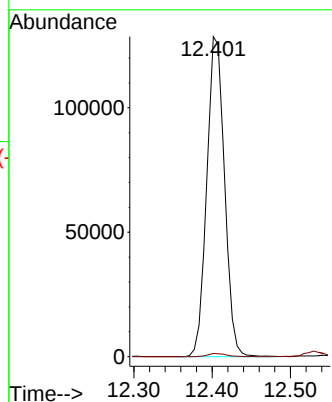
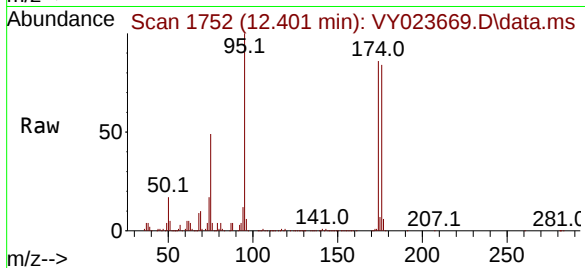
VY1104SBL01

Tgt Ion: 75 Resp: 202289

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.121 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY023669.D

Acq: 04 Nov 2025 12:37

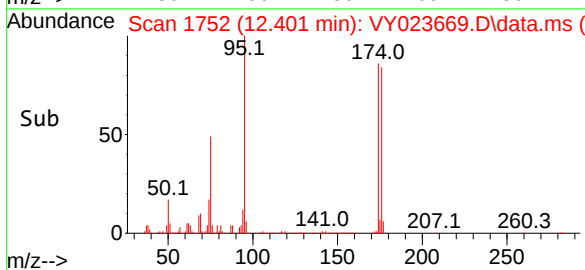
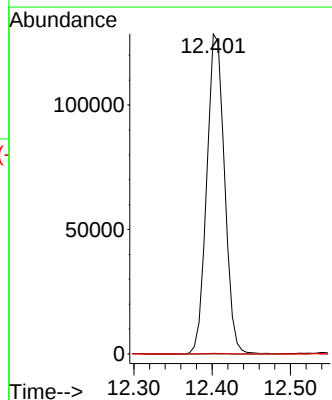
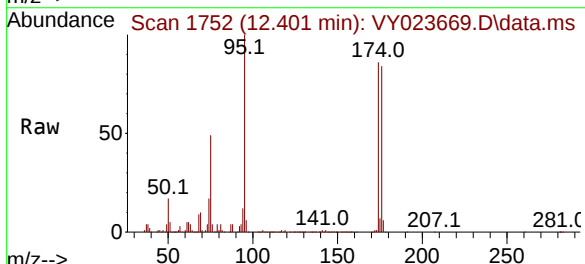
Tgt Ion: 75 Resp: 202289

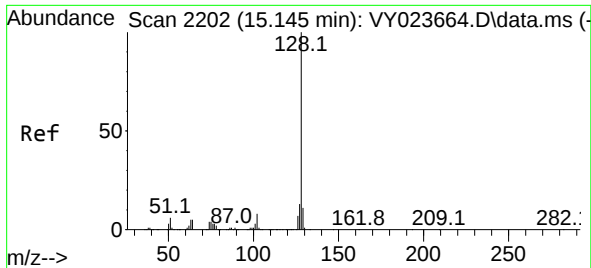
Ion Ratio Lower Upper

75 100

53 0.2 69.6 104.4#

89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 6.068 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY023669.D

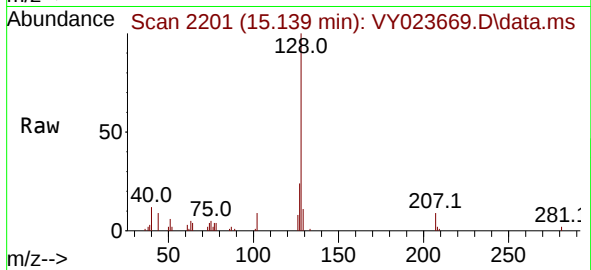
Acq: 04 Nov 2025 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1104SBL01



Tgt Ion:128 Resp: 11426

Ion Ratio Lower Upper

128 100

127 16.7 10.5 15.7#

129 11.5 8.8 13.2

