

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023192.D
 Acq On : 22 Aug 2025 15:01
 Operator : SY/MD
 Sample : Q2915-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BRIDGE-WEST

Quant Time: Aug 25 05:17:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

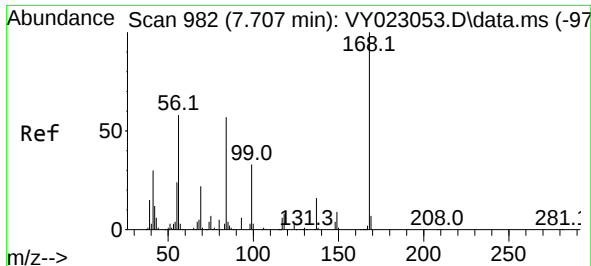
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	547167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1061632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	959323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	389767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	299792	57.488	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.980%
35) Dibromofluoromethane	7.634	113	343380	54.055	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.100%
50) Toluene-d8	10.109	98	1290564	52.004	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.000%
62) 4-Bromofluorobenzene	12.408	95	372941	46.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.460%
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	6546	Below Cal		90
31) Cyclohexane	7.707	56	10964	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42374	4.488	ug/l #	49
38) Carbon Tetrachloride	7.707	117	53785	5.245	ug/l #	17
49) 1,4-Dioxane	9.140	88	48	1.065	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	5193	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	191583	50.930	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	191583	123.286	ug/l #	14

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

Quant Time: Aug 25 05:17:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

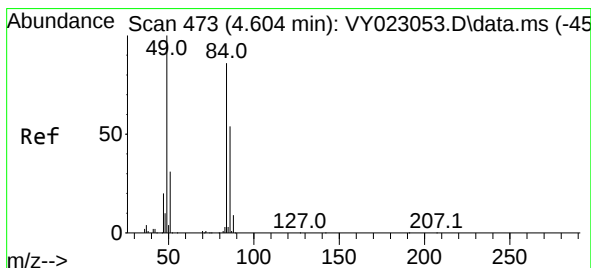
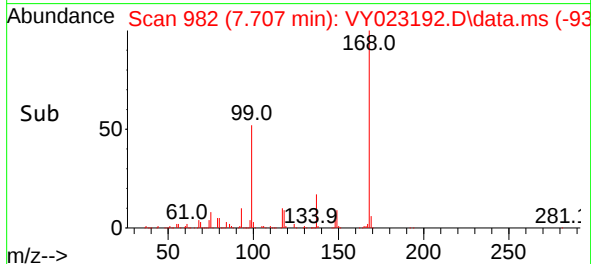
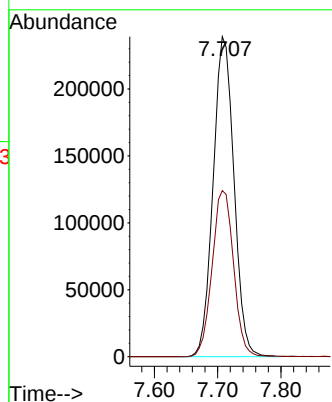
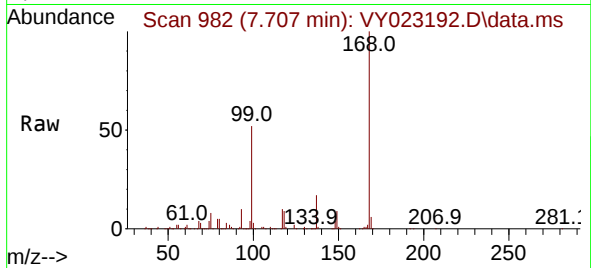




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

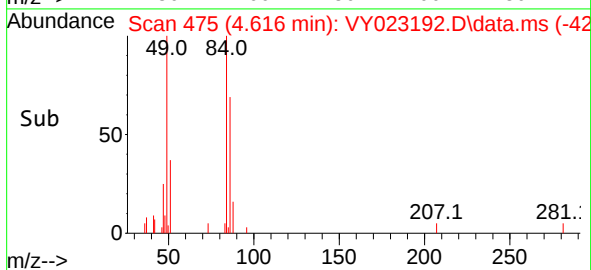
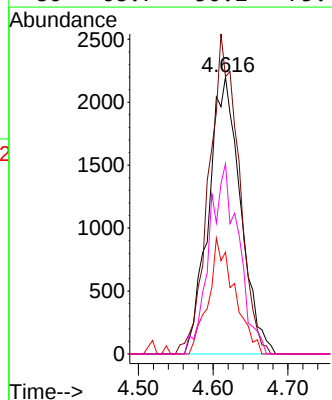
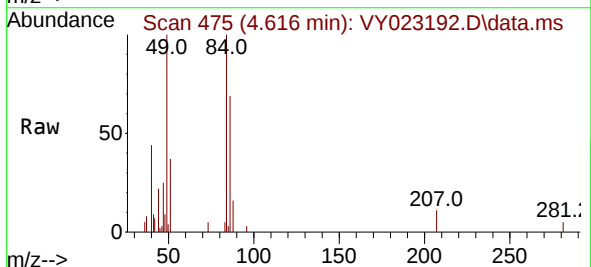
Instrument :
MSVOA_Y
ClientSampleId :
BRIDGE-WEST

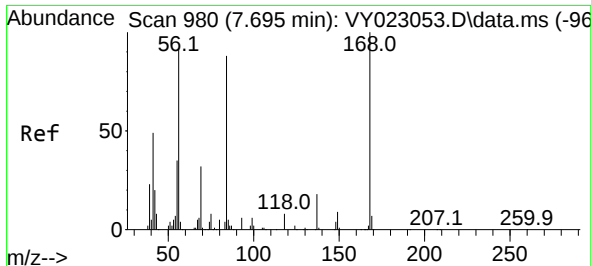
Tgt Ion:168 Resp: 547167
Ion Ratio Lower Upper
168 100
99 51.9 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 84 Resp: 6546
Ion Ratio Lower Upper
84 100
49 100.1 93.0 139.6
51 36.7 29.0 43.4
86 68.7 50.2 75.4

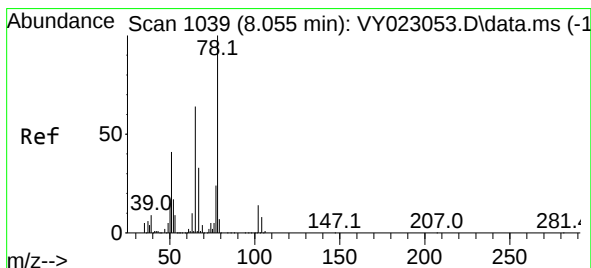
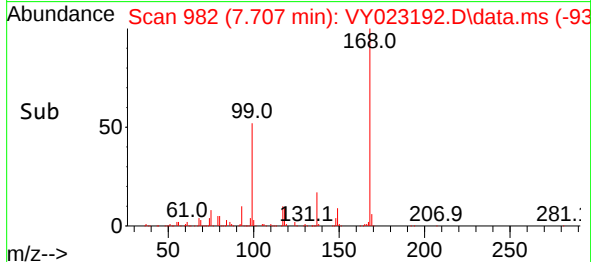
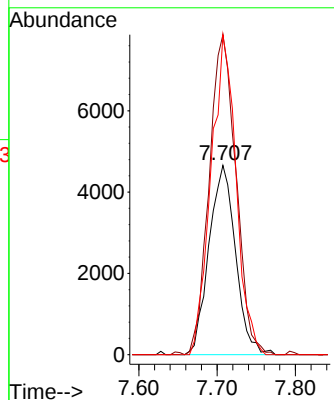
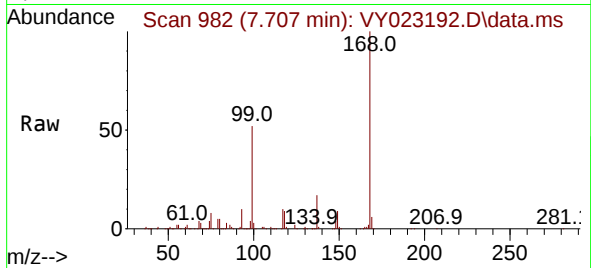




#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

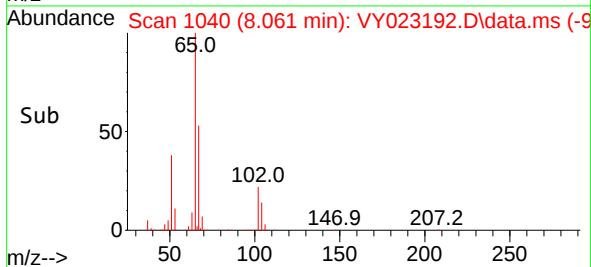
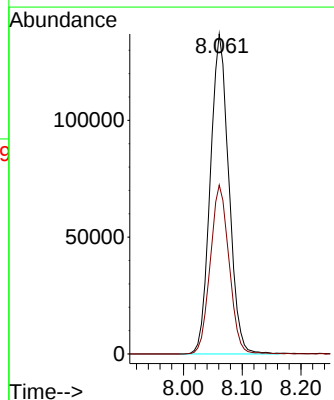
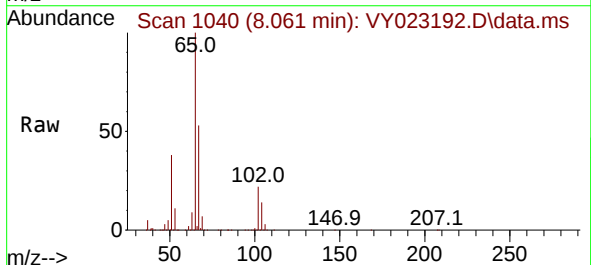
Instrument :
MSVOA_Y
ClientSampleId :
BRIDGE-WEST

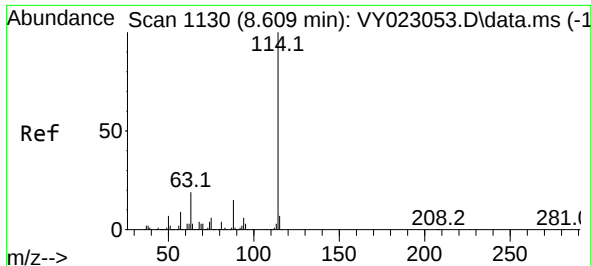
Tgt Ion: 56 Resp: 10964
Ion Ratio Lower Upper
56 100
69 169.0 28.2 42.2#
84 168.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 57.488 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 65 Resp: 299792
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

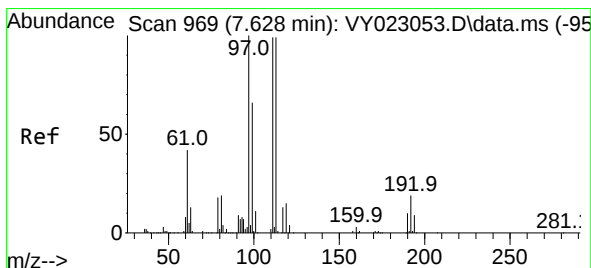
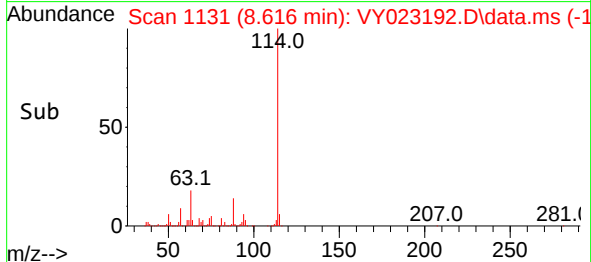
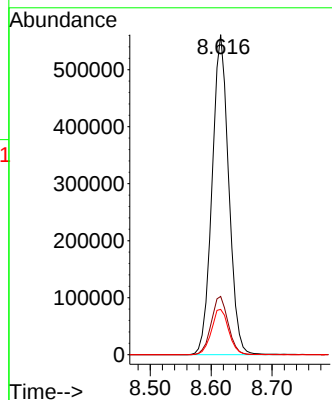
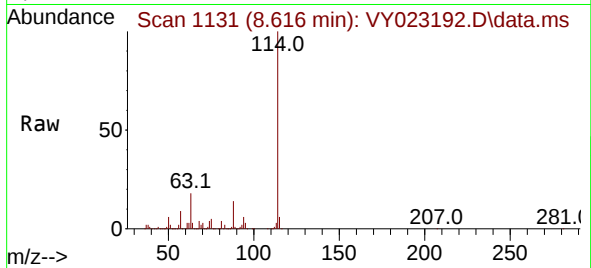




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

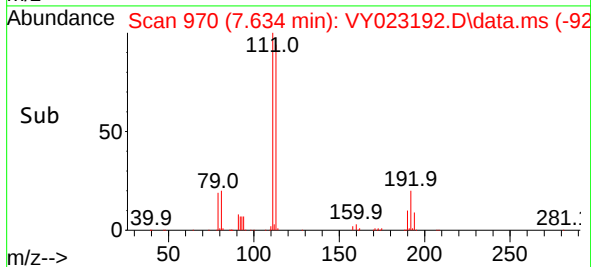
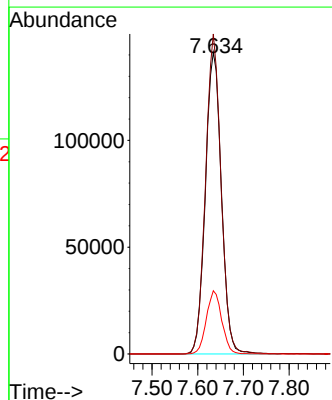
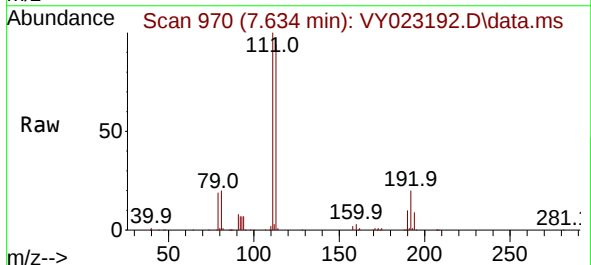
Instrument :
MSVOA_Y
ClientSampleId :
BRIDGE-WEST

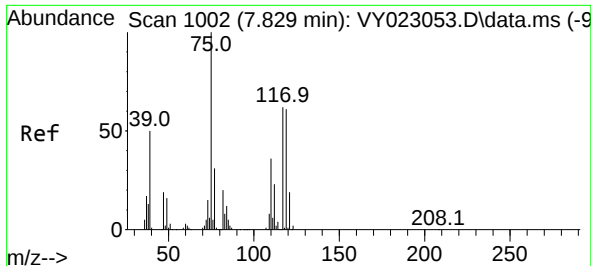
Tgt Ion:114 Resp: 1061632
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.4
88 14.2 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.055 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

Tgt Ion:113 Resp: 343380
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 20.2 16.2 24.4

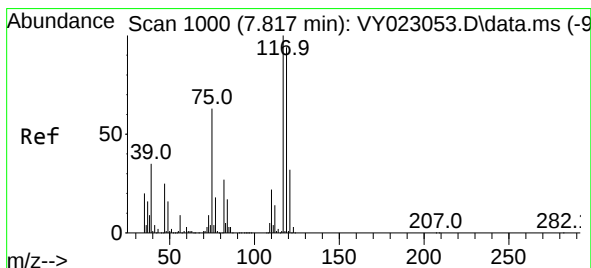
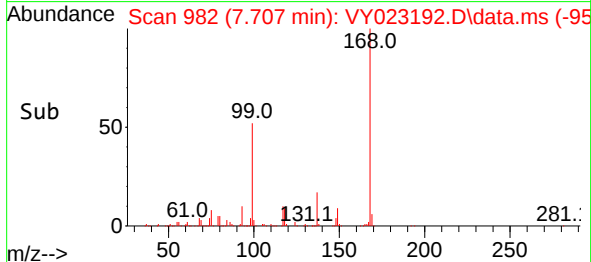
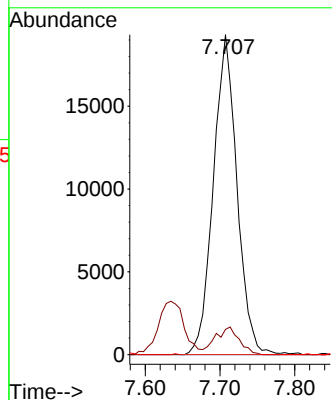
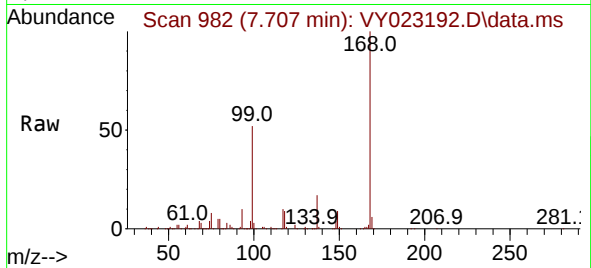




#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

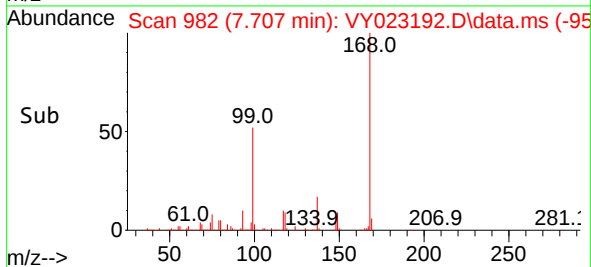
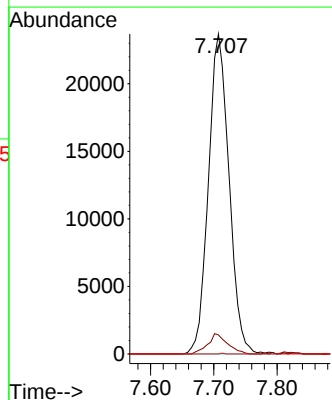
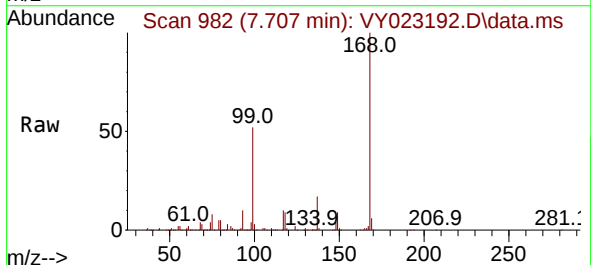
Instrument :
MSVOA_Y
ClientSampleId :
BRIDGE-WEST

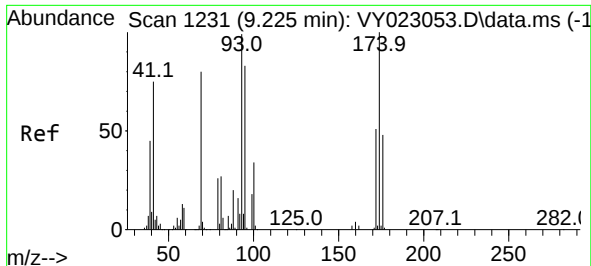
Tgt Ion: 75 Resp: 42374
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.245 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 117 Resp: 53785
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.065 ug/l

RT: 9.140 min Scan# 11

Delta R.T. -0.085 min

Lab File: VY023192.D

Acq: 22 Aug 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

BRIDGE-WEST

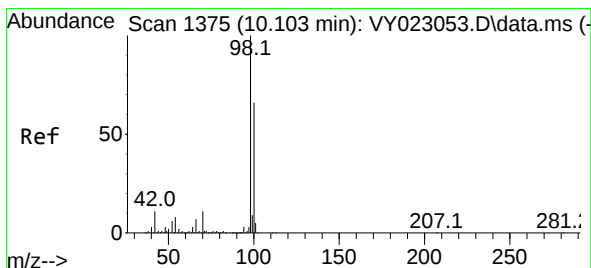
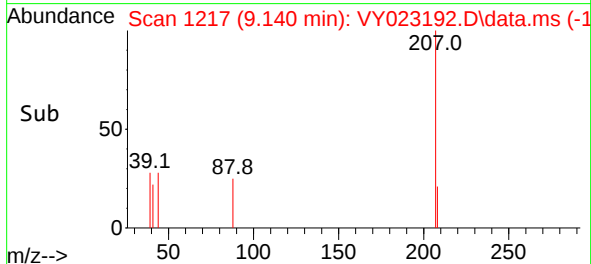
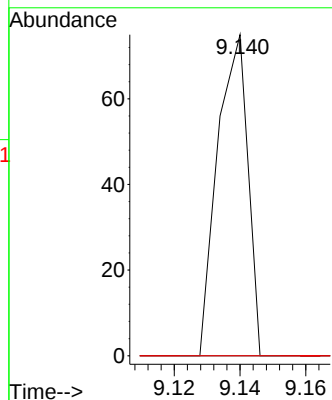
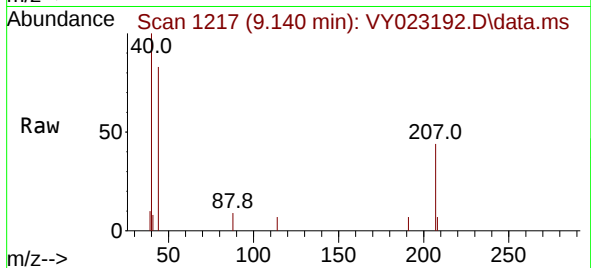
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 52.004 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023192.D

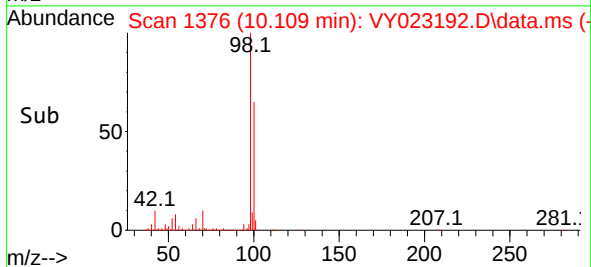
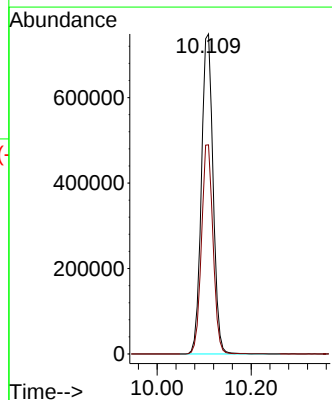
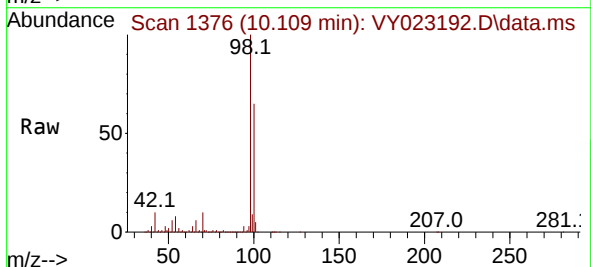
Acq: 22 Aug 2025 15:01

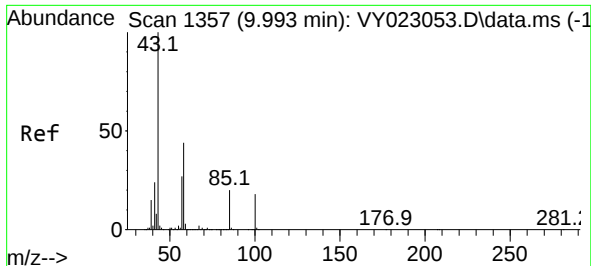
Tgt Ion: 98 Resp: 1290564

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5

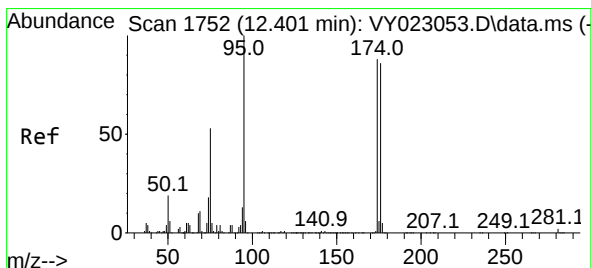
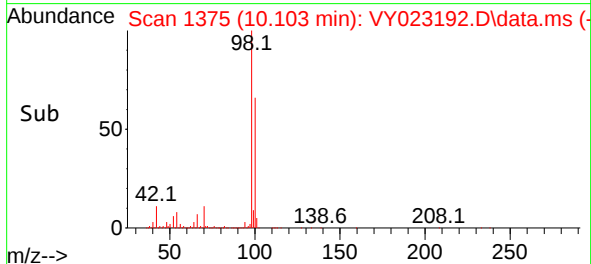
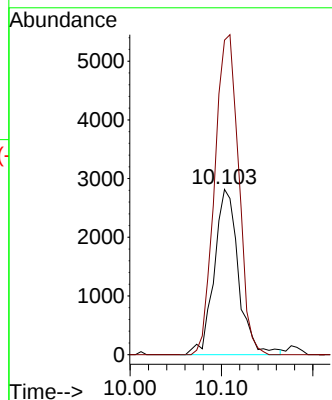
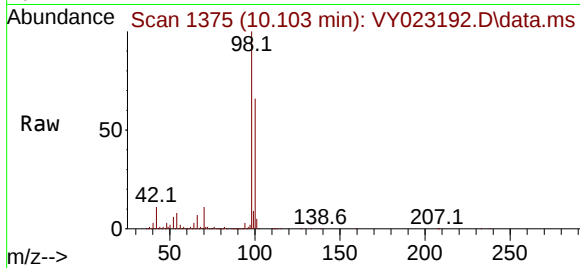




#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

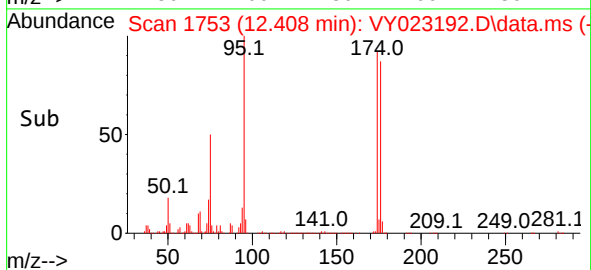
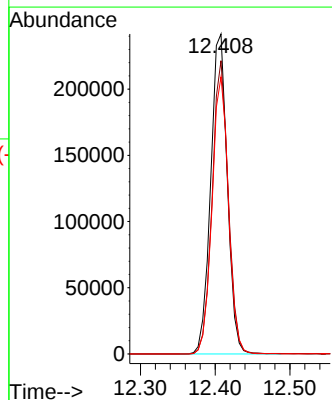
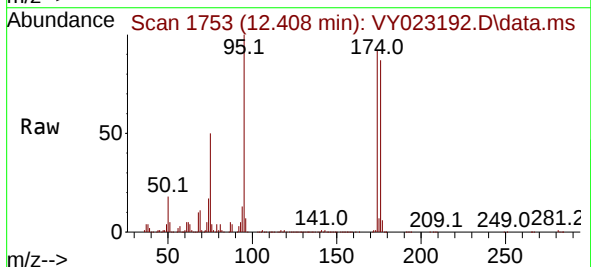
Instrument :
MSVOA_Y
ClientSampleId :
BRIDGE-WEST

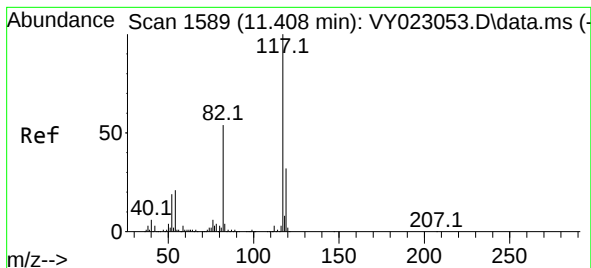
Tgt Ion: 43 Resp: 5193
Ion Ratio Lower Upper
43 100
58 191.6 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 46.729 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 95 Resp: 372941
Ion Ratio Lower Upper
95 100
174 89.0 0.0 171.6
176 85.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023192.D

Acq: 22 Aug 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

BRIDGE-WEST

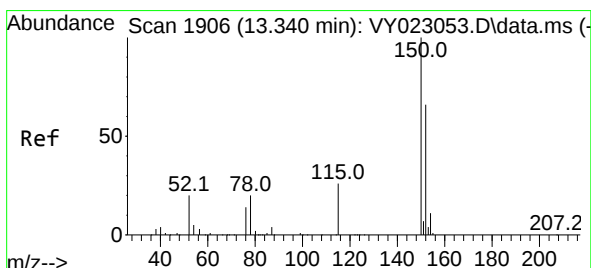
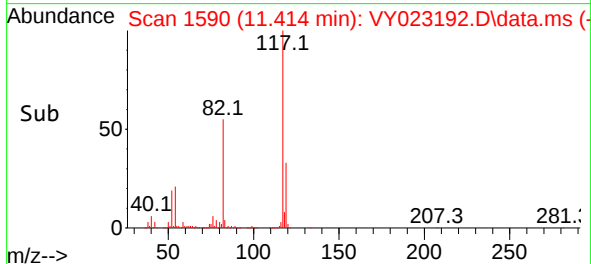
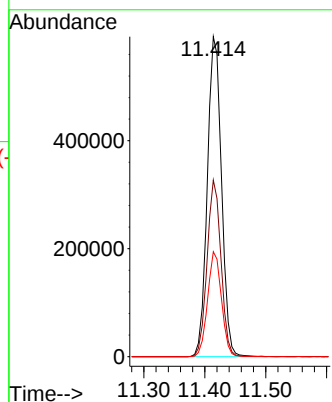
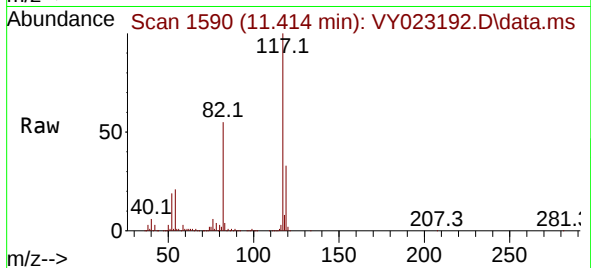
Tgt Ion:117 Resp: 959323

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023192.D

Acq: 22 Aug 2025 15:01

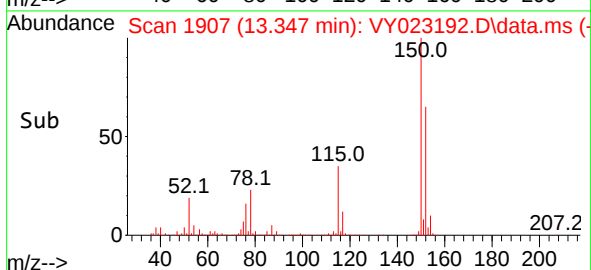
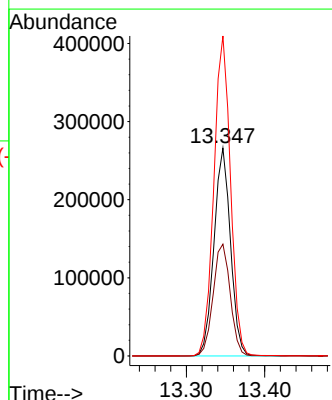
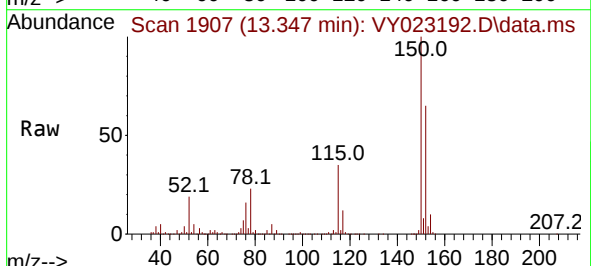
Tgt Ion:152 Resp: 389767

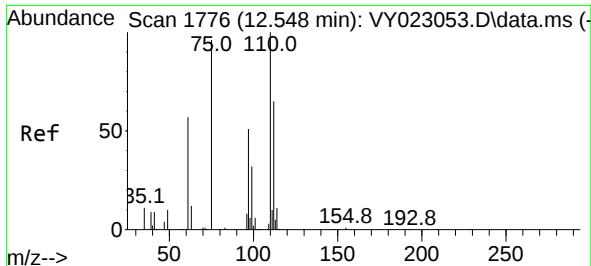
Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.6

150 155.1 0.0 348.0

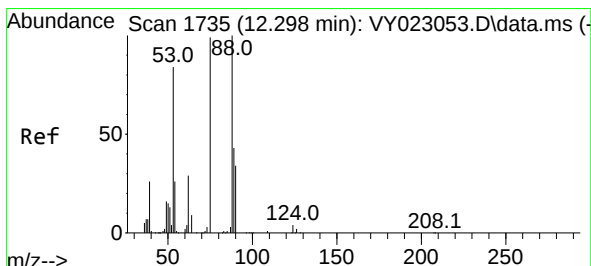
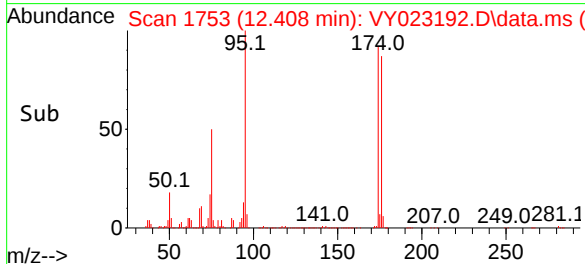
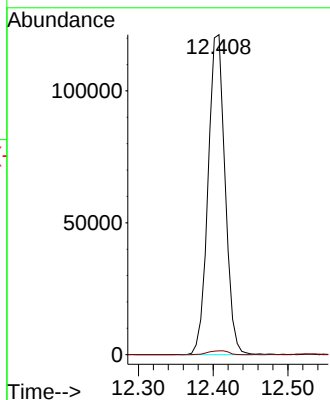
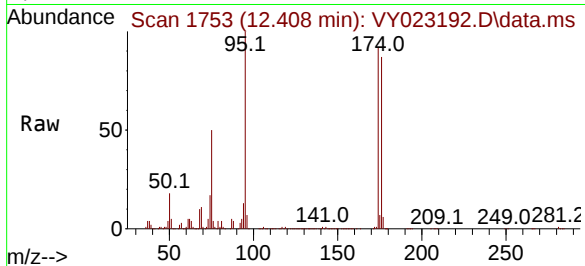




#76
1,2,3-Trichloropropane
Concen: 50.930 ug/l
RT: 12.408 min Scan# 1776
Delta R.T. -0.140 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
BRIDGE-WEST

Tgt Ion: 75 Resp: 191583
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.286 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023192.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 75 Resp: 191583
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

