

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023076.D
 Acq On : 13 Aug 2025 17:40
 Operator : SY/MD
 Sample : Q2819-14
 Misc : 6.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-W

Quant Time: Aug 14 01:27:21 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)

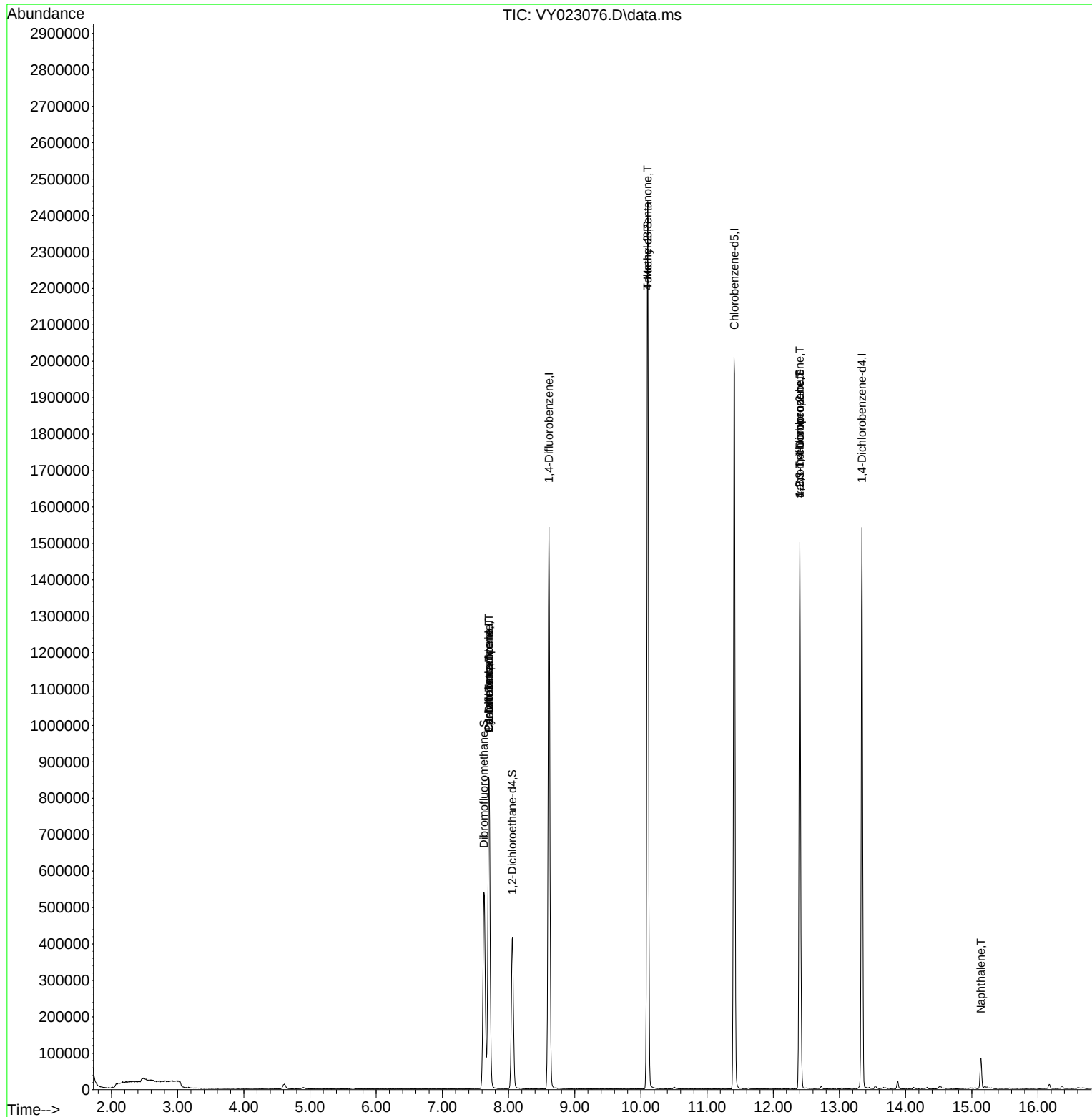
Internal Standards						
1) Pentafluorobenzene	7.701	168	675805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1293758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1059306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	379138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	327850	50.901	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.800%
35) Dibromofluoromethane	7.628	113	390959	50.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.000%
50) Toluene-d8	10.103	98	1562265	51.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.401	95	401739	41.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.620%
Target Compounds						
20) Methylene Chloride	4.616	84	9056	Below Cal	Qvalue	89
31) Cyclohexane	7.701	56	14499	1.209 ug/l	#	15
36) 1,1-Dichloropropene	7.701	75	53317	4.634 ug/l	#	49
38) Carbon Tetrachloride	7.701	117	65291	5.225 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.103	43	6322	1.255 ug/l	#	1
76) 1,2,3-Trichloropropane	12.401	75	216758	59.238 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.401	75	216758	143.397 ug/l	#	14
95) Naphthalene	15.139	128	69478	6.241 ug/l		100

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

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17M-W

Quant Time: Aug 14 01:27:21 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

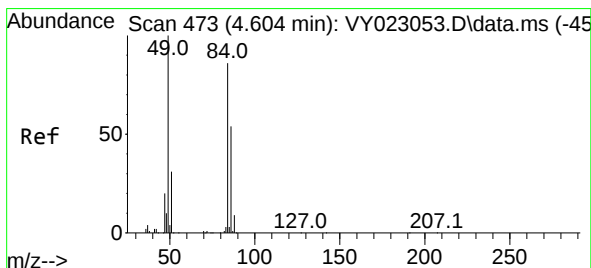
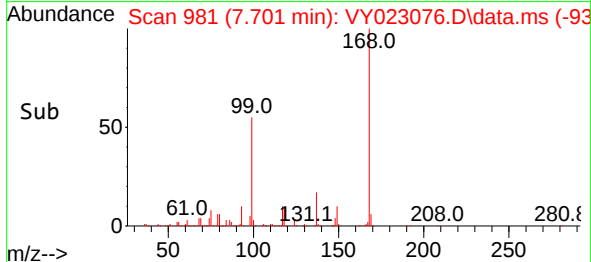
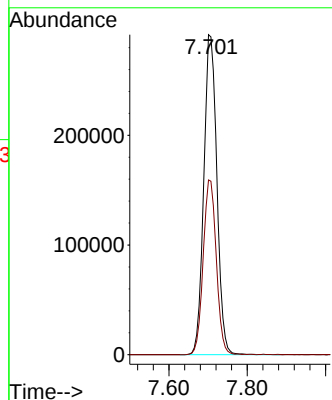
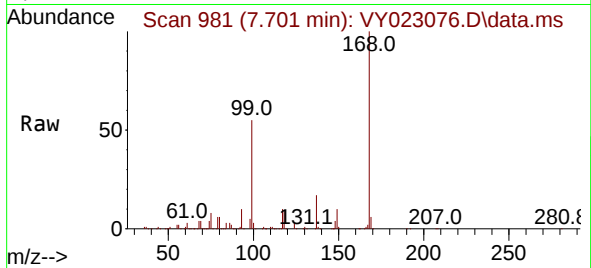




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

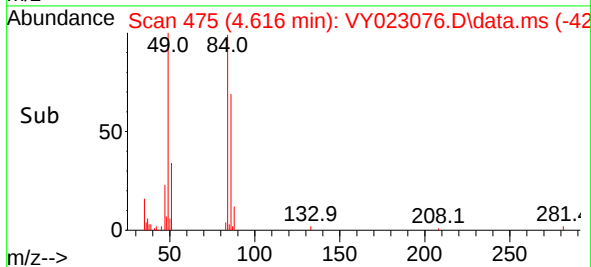
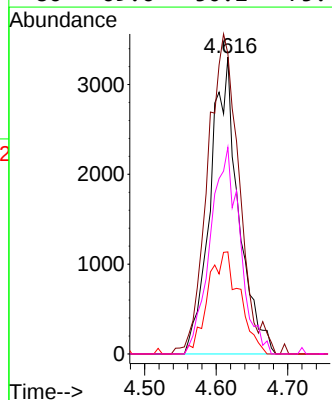
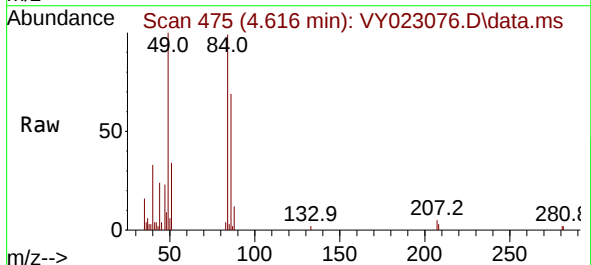
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

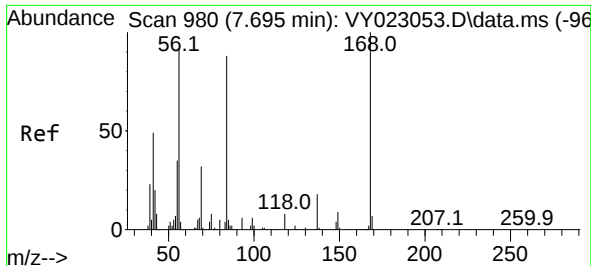
Tgt Ion:168 Resp: 675805
Ion Ratio Lower Upper
168 100
99 54.6 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 84 Resp: 9056
Ion Ratio Lower Upper
84 100
49 101.2 93.0 139.6
51 34.4 29.0 43.4
86 69.6 50.2 75.4

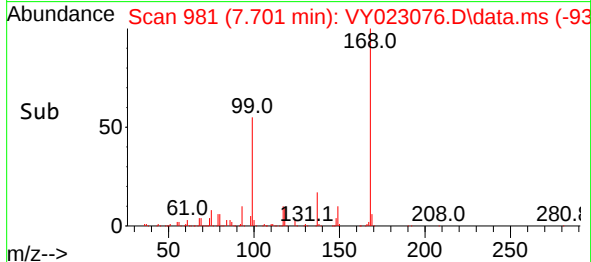
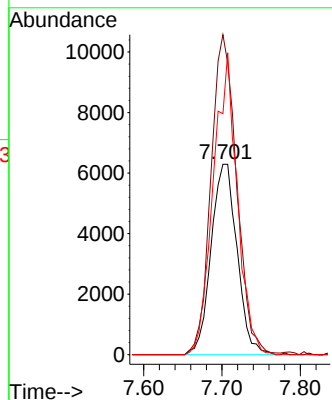
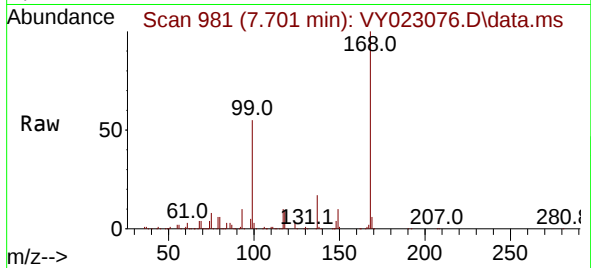




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

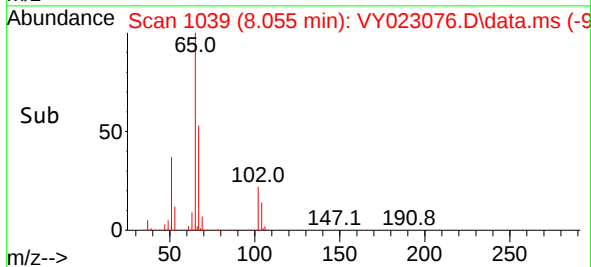
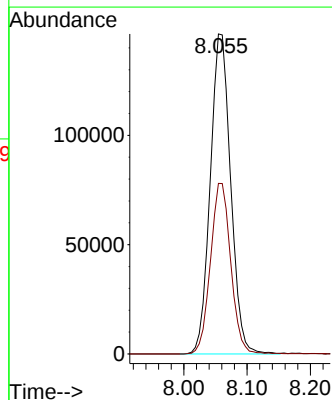
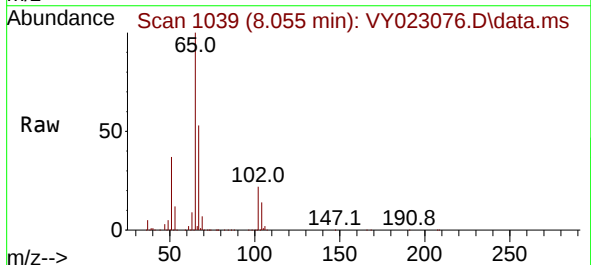
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

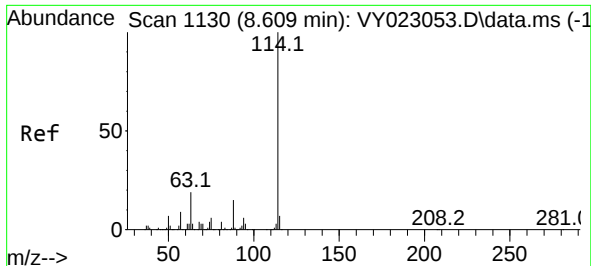
Tgt Ion: 56 Resp: 14499
Ion Ratio Lower Upper
56 100
69 168.1 28.2 42.2#
84 126.6 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 50.901 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 65 Resp: 327850
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8

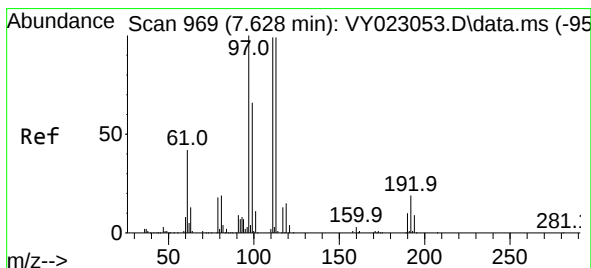
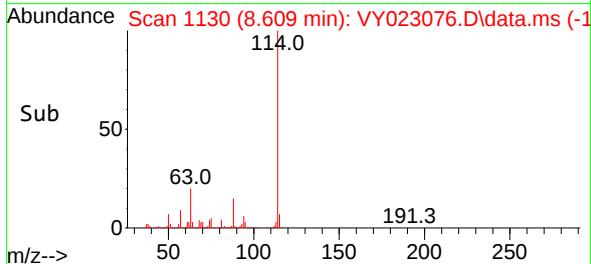
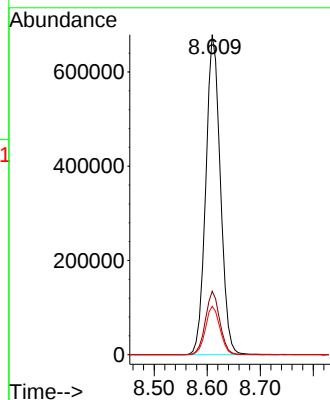
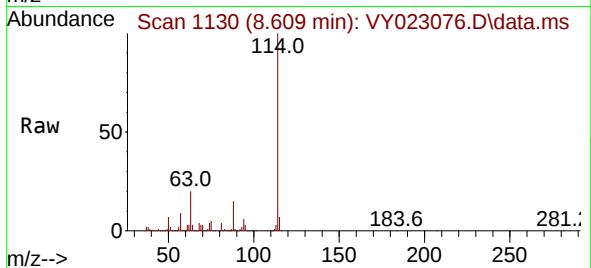




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

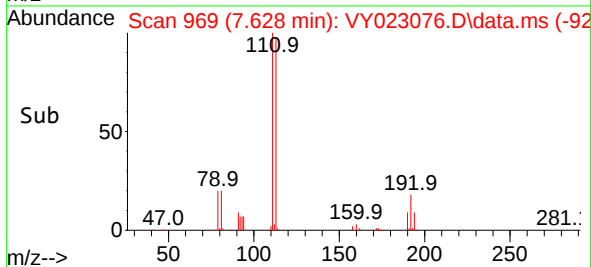
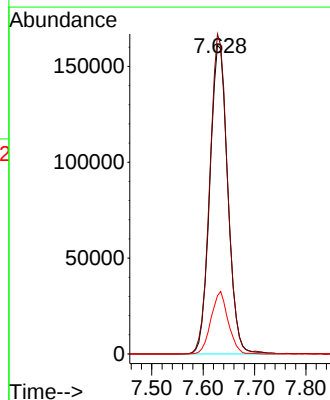
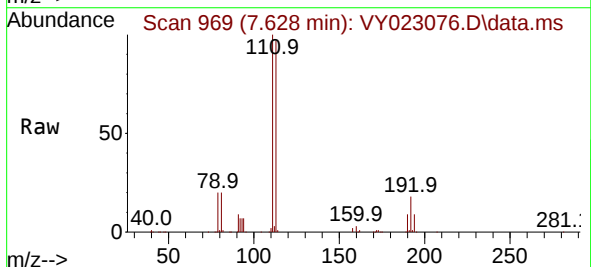
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

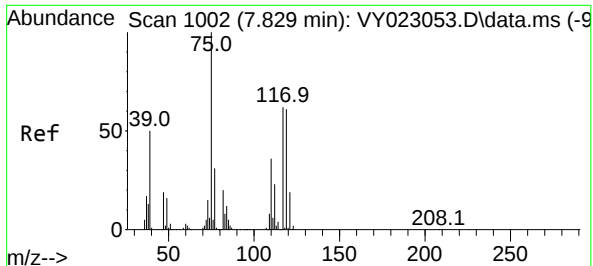
Tgt Ion:114 Resp: 1293758
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 50.502 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion:113 Resp: 390959
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 19.3 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.634 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY023076.D

Acq: 13 Aug 2025 17:40

Instrument :

MSVOA_Y

ClientSampleId :

17M-W

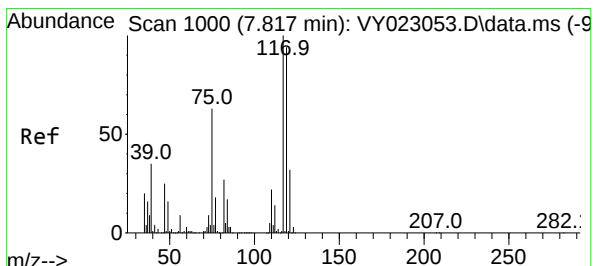
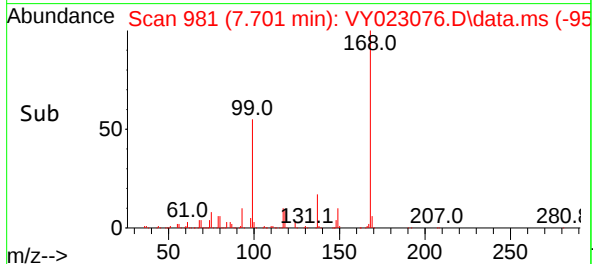
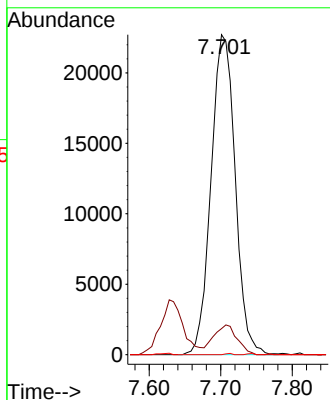
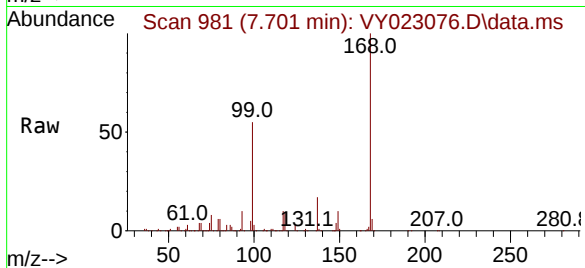
Tgt Ion: 75 Resp: 53317

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.225 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY023076.D

Acq: 13 Aug 2025 17:40

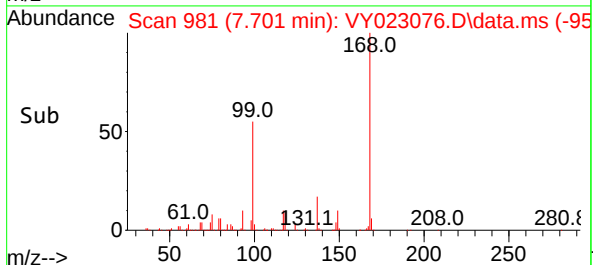
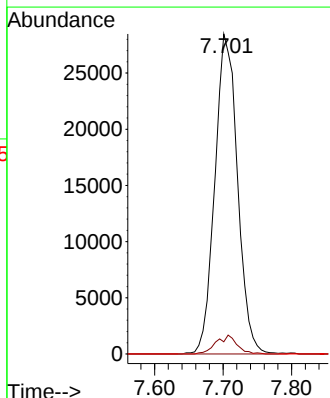
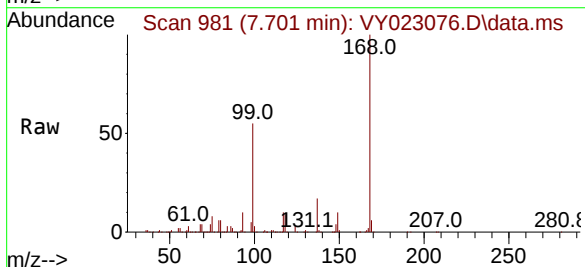
Tgt Ion: 117 Resp: 65291

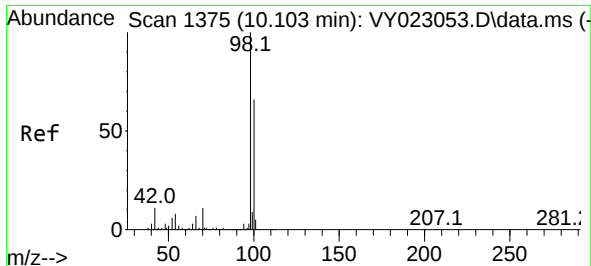
Ion Ratio Lower Upper

117 100

119 3.8 75.6 113.4#

121 0.0 25.8 38.8#

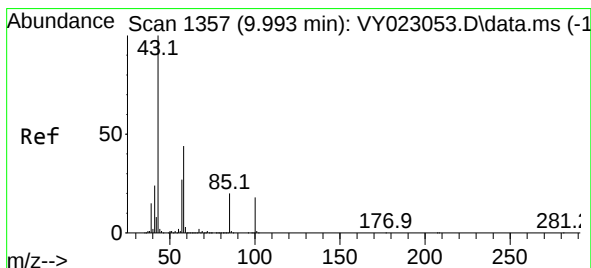
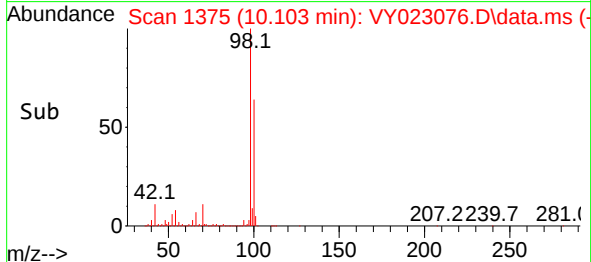
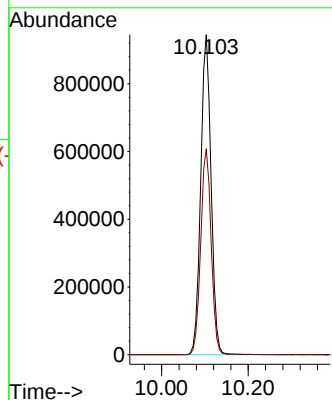
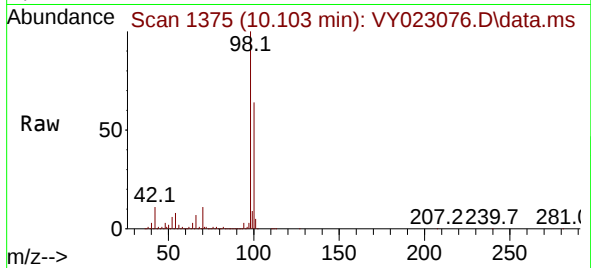




#50
Toluene-d8
Concen: 51.658 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

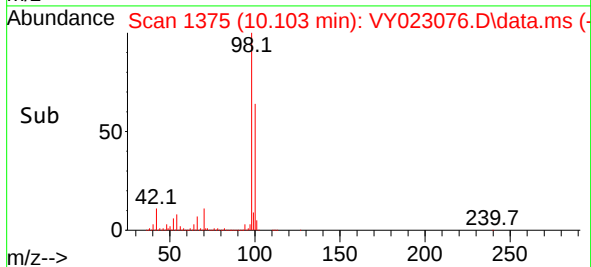
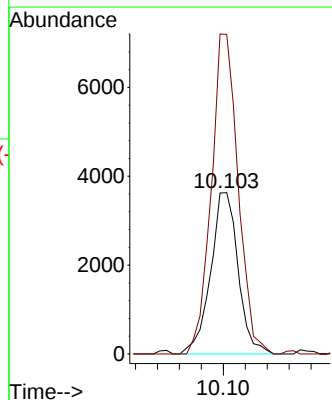
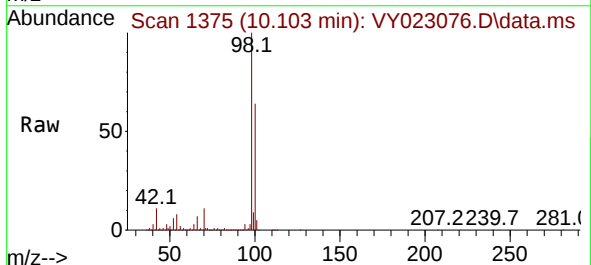
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

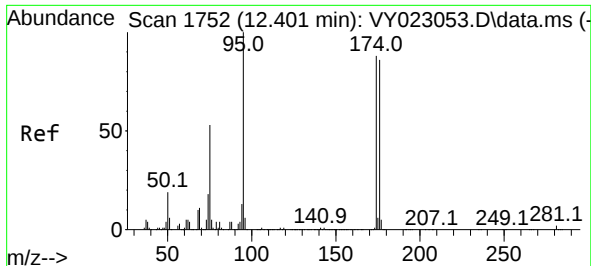
Tgt Ion: 98 Resp: 1562265
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.255 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 43 Resp: 6322
Ion Ratio Lower Upper
43 100
58 193.6 33.5 50.3#

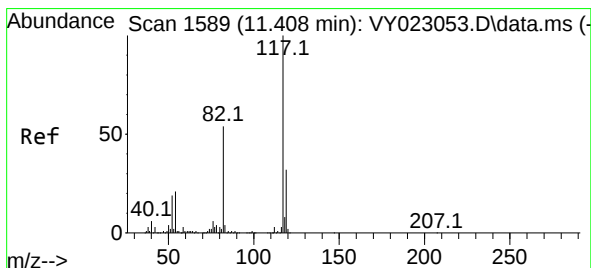
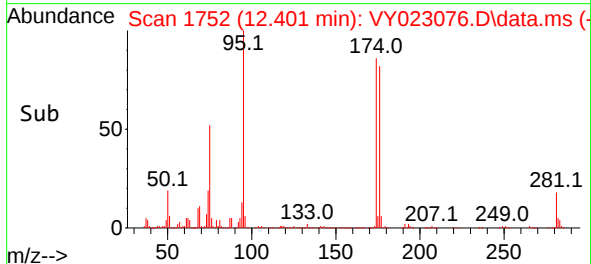
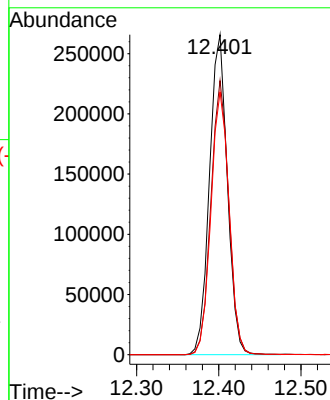
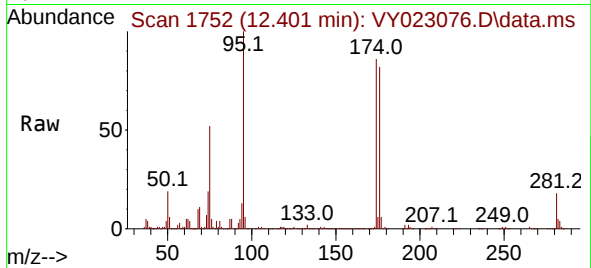




#62
4-Bromofluorobenzene
Concen: 41.306 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

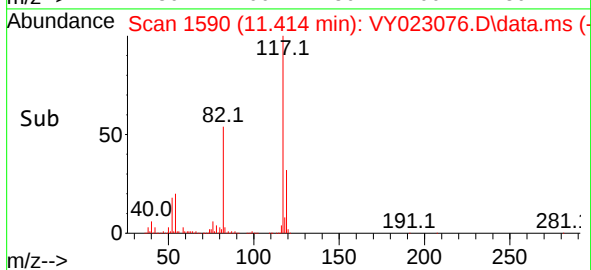
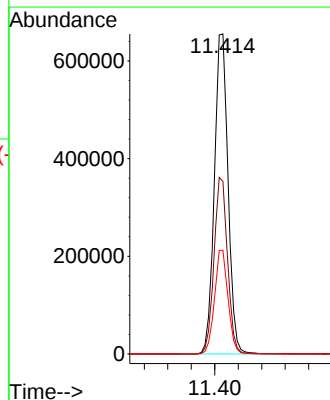
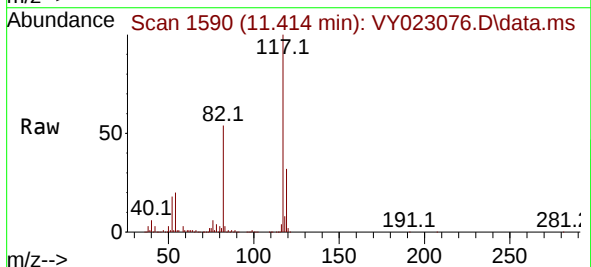
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

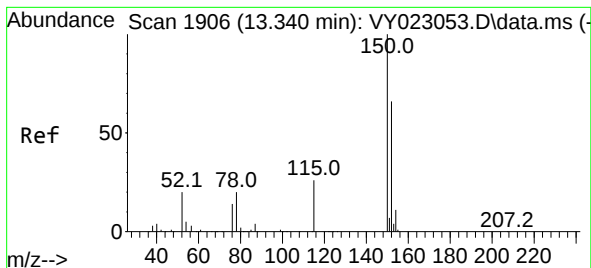
Tgt Ion: 95 Resp: 401739
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 83.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 117 Resp: 1059306
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023076.D

Acq: 13 Aug 2025 17:40

Instrument :

MSVOA_Y

ClientSampleId :

17M-W

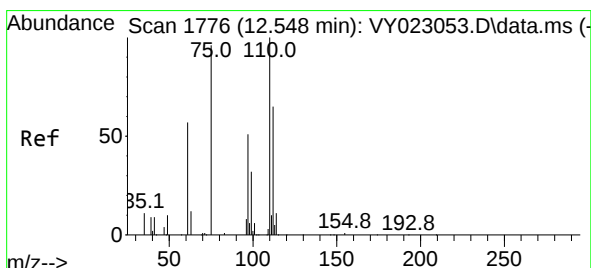
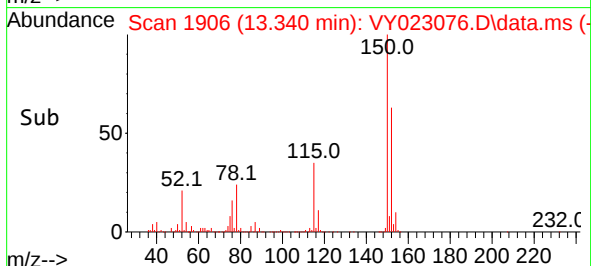
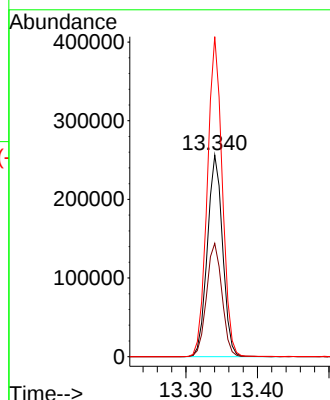
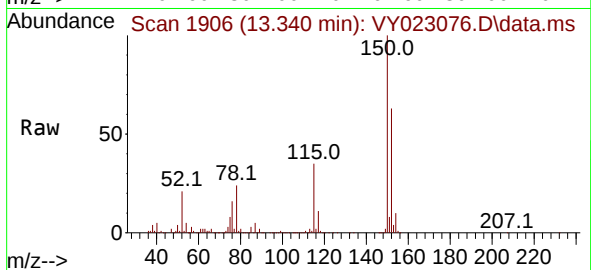
Tgt Ion:152 Resp: 379138

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 156.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 59.238 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023076.D

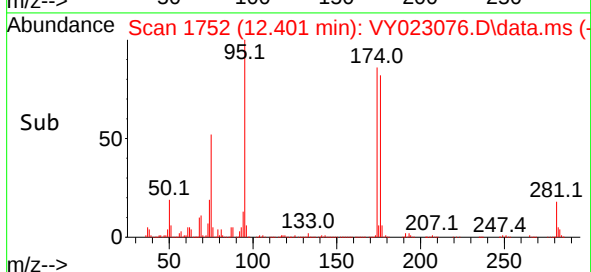
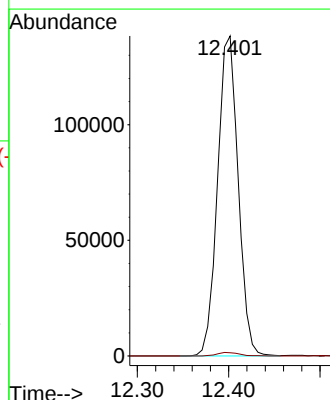
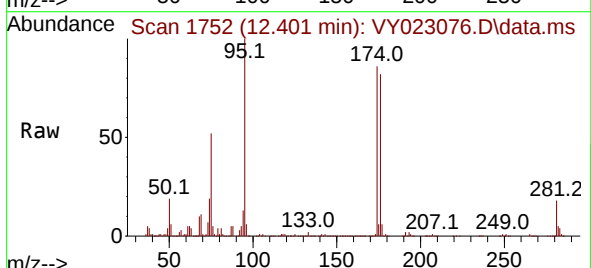
Acq: 13 Aug 2025 17:40

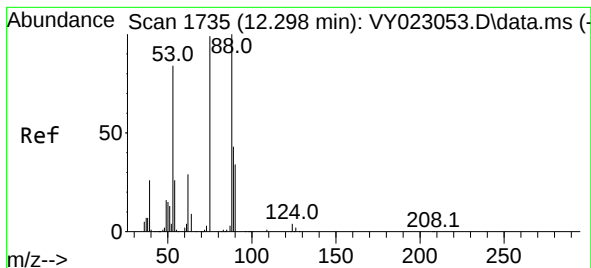
Tgt Ion: 75 Resp: 216758

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

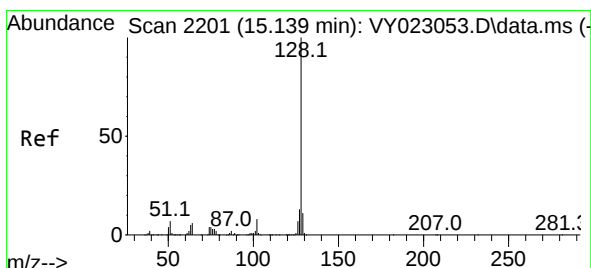
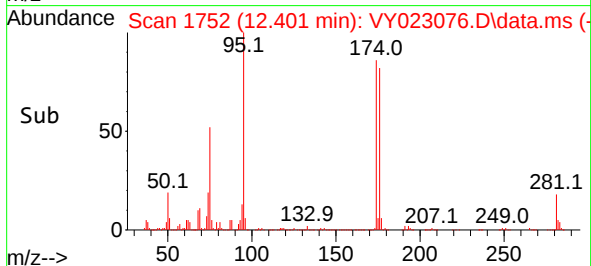
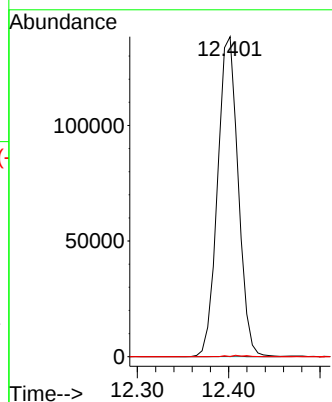
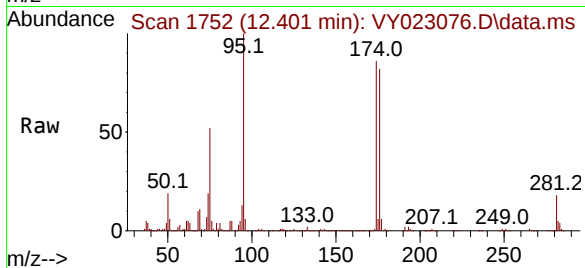




#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.397 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023076.D
 Acq: 13 Aug 2025 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-W

Tgt Ion: 75 Resp: 216758
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.3 38.1 57.1#



#95
 Naphthalene
 Concen: 6.241 ug/l
 RT: 15.139 min Scan# 2201
 Delta R.T. 0.000 min
 Lab File: VY023076.D
 Acq: 13 Aug 2025 17:40

Tgt Ion: 128 Resp: 69478
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 11.2 9.0 13.4

