

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023117.D
 Acq On : 15 Aug 2025 11:31
 Operator : SY/MD
 Sample : Q2853-01
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Tr-5-081325

Quant Time: Aug 18 02:27:30 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)

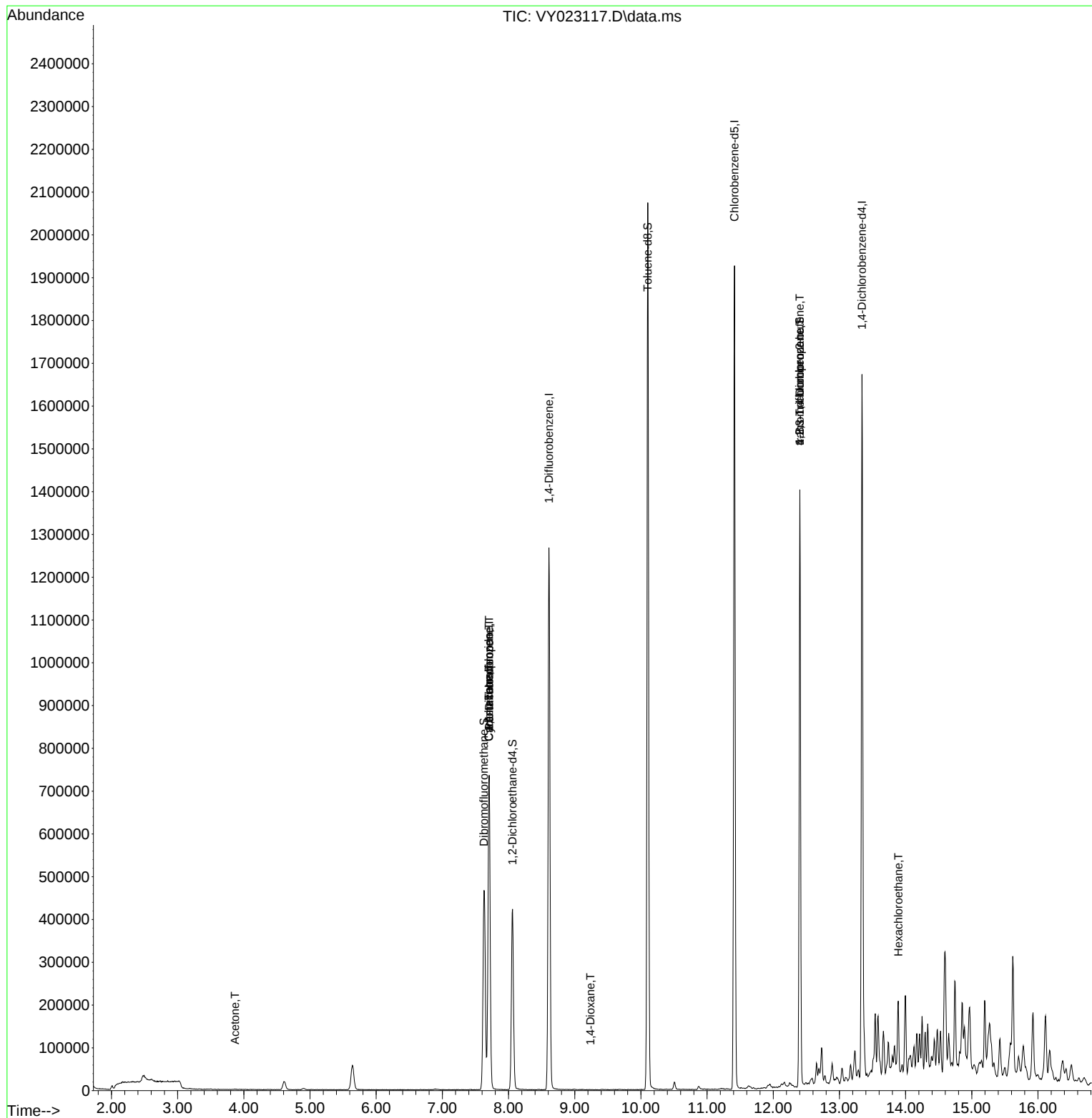
Internal Standards						
1) Pentafluorobenzene	7.707	168	568235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1090444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	987577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	412577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	329880	60.912	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.820%	
35) Dibromofluoromethane	7.628	113	343033	52.573	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.140%	
50) Toluene-d8	10.103	98	1330270	52.188	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	12.401	95	408322	49.810	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.620%	
Target Compounds						Qvalue
16) Acetone	3.866	43	1650	1.406	ug/l	91
20) Methylene Chloride	4.616	84	14004	Below Cal		94
31) Cyclohexane	7.701	56	12383	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	45736	4.717	ug/l #	50
38) Carbon Tetrachloride	7.701	117	57456	5.455	ug/l #	17
49) 1,4-Dioxane	9.237	88	53	1.145	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	214976	53.990	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	214976	130.691	ug/l #	14
90) Hexachloroethane	13.889	117	7836	1.477	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

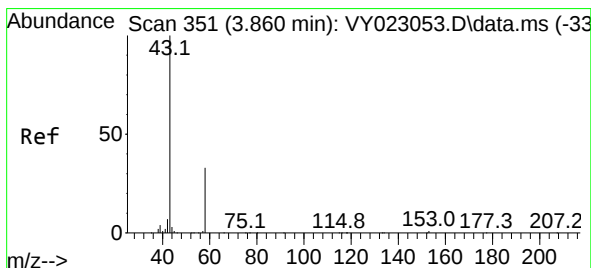
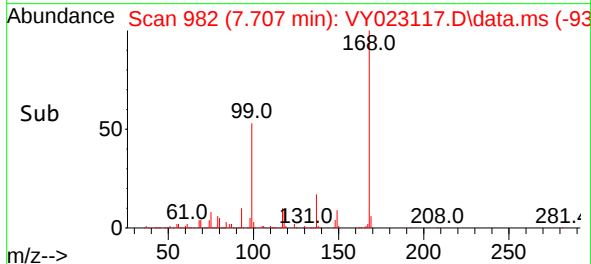
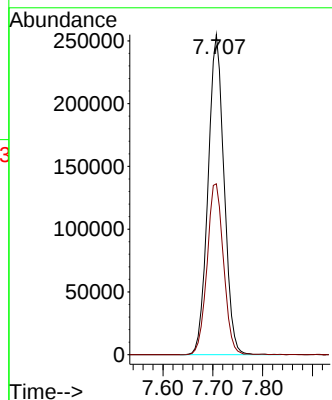
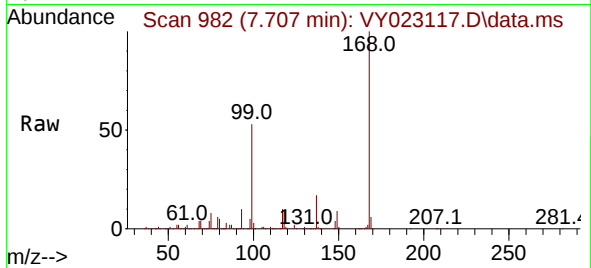




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

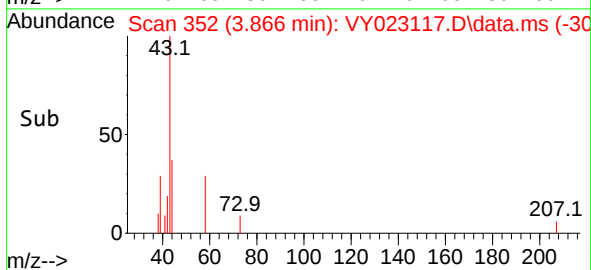
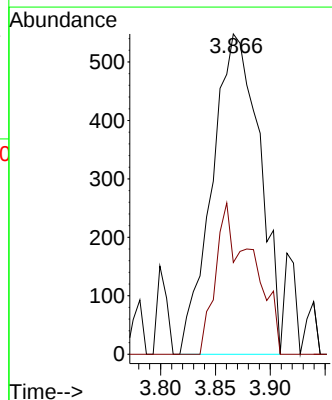
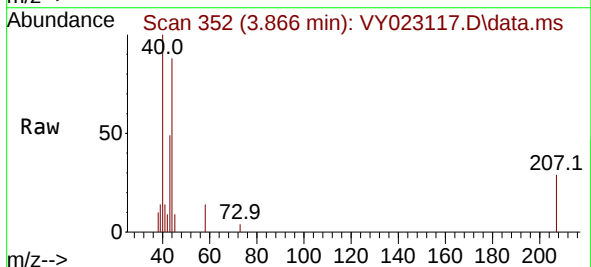
Instrument :
MSVOA_Y
ClientSampleId :
Tr-5-081325

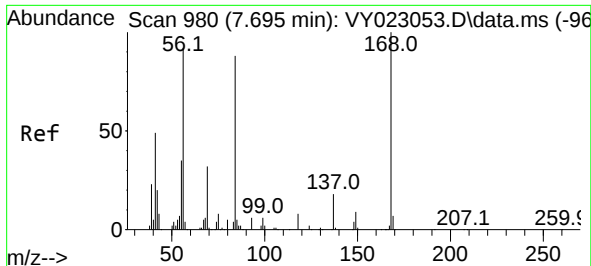
Tgt Ion:168 Resp: 568235
Ion Ratio Lower Upper
168 100
99 53.4 42.8 64.2



#16
Acetone
Concen: 1.406 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

Tgt Ion: 43 Resp: 1650
Ion Ratio Lower Upper
43 100
58 28.6 27.1 40.7

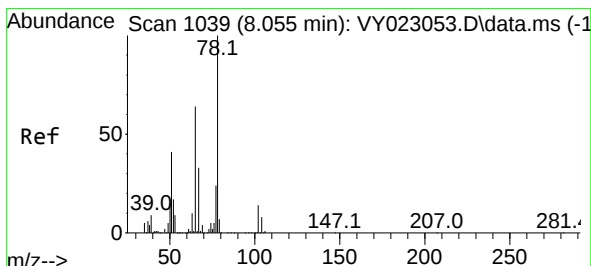
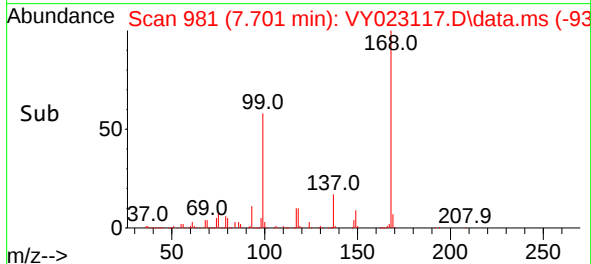
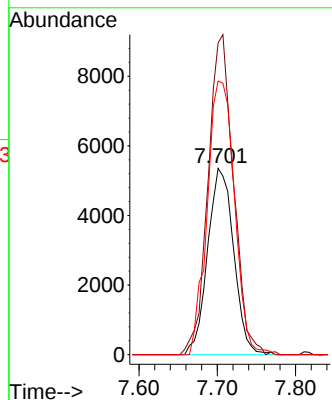
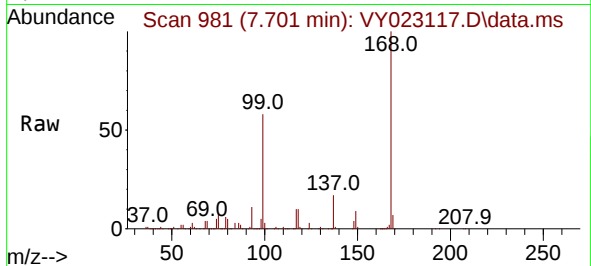




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

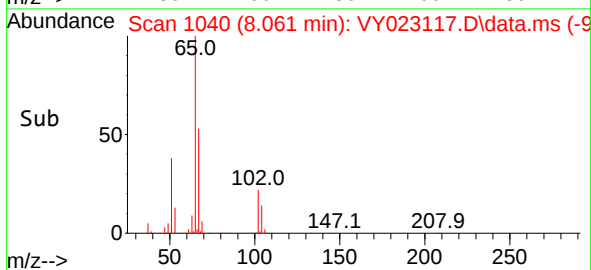
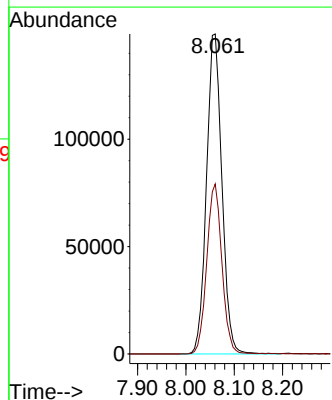
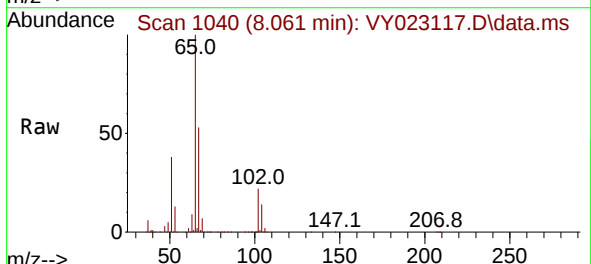
Instrument :
MSVOA_Y
ClientSampleId :
Tr-5-081325

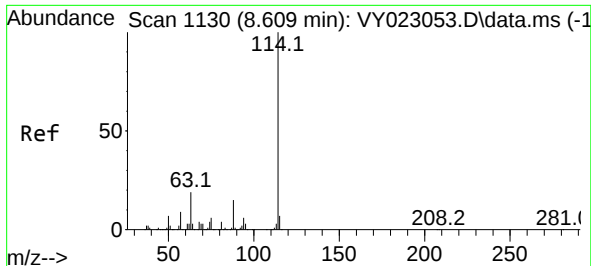
Tgt Ion: 56 Resp: 12383
Ion Ratio Lower Upper
56 100
69 167.4 28.2 42.2#
84 146.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 60.912 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

Tgt Ion: 65 Resp: 329880
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8

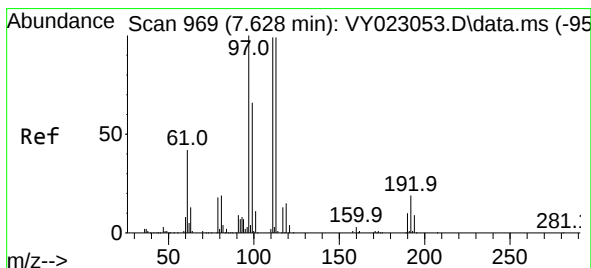
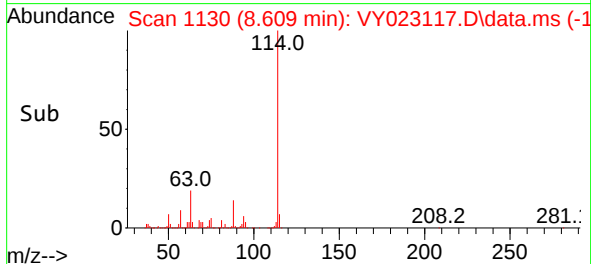
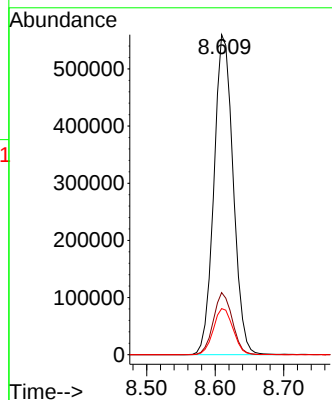
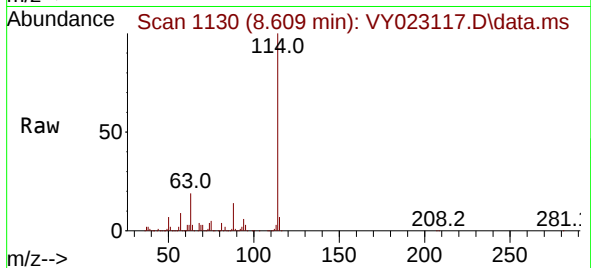




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

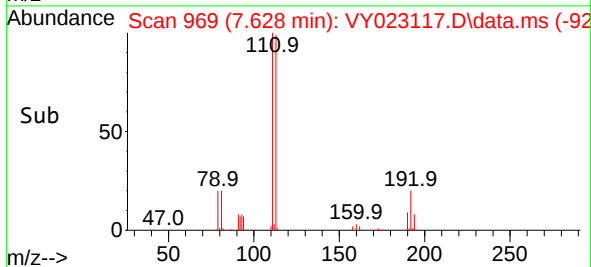
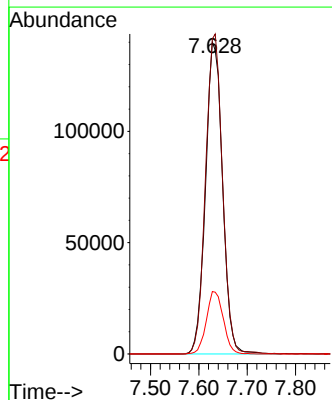
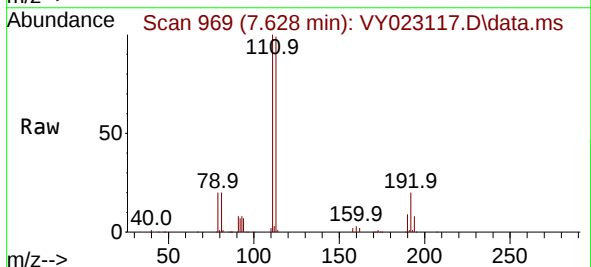
Instrument :
MSVOA_Y
ClientSampleId :
Tr-5-081325

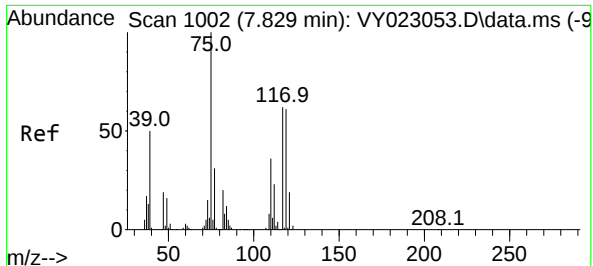
Tgt Ion:114 Resp: 1090444
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.4
88 14.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.573 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

Tgt Ion:113 Resp: 343033
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 20.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY023117.D

Acq: 15 Aug 2025 11:31

Instrument :

MSVOA_Y

ClientSampleId :

Tr-5-081325

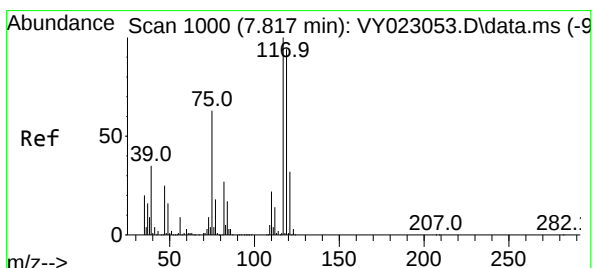
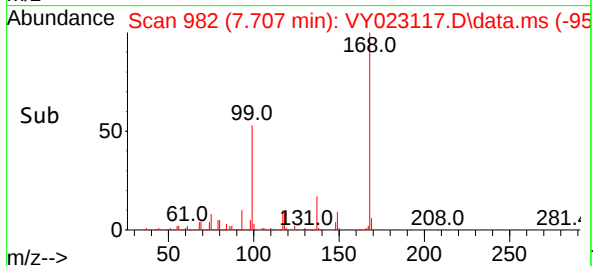
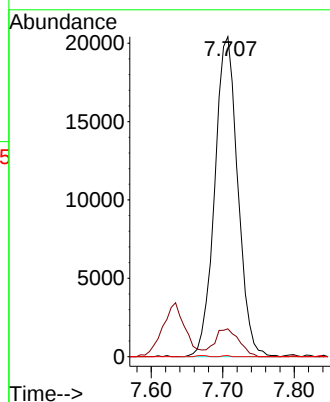
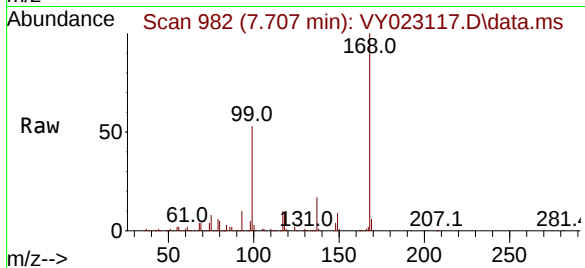
Tgt Ion: 75 Resp: 45736

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.455 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY023117.D

Acq: 15 Aug 2025 11:31

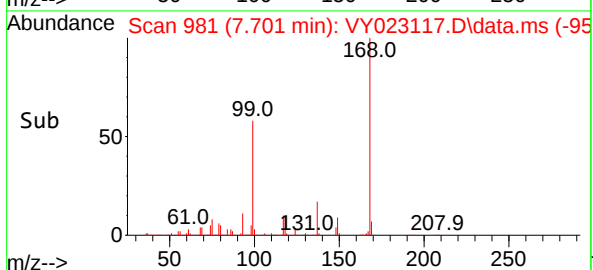
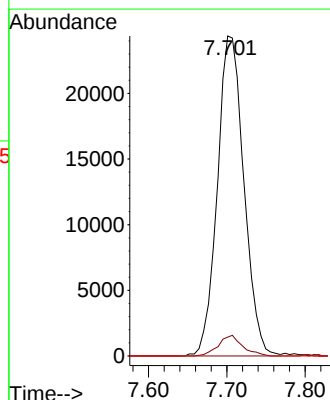
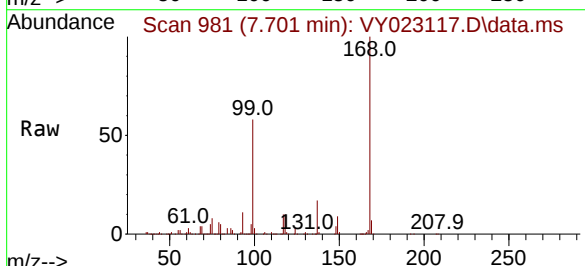
Tgt Ion: 117 Resp: 57456

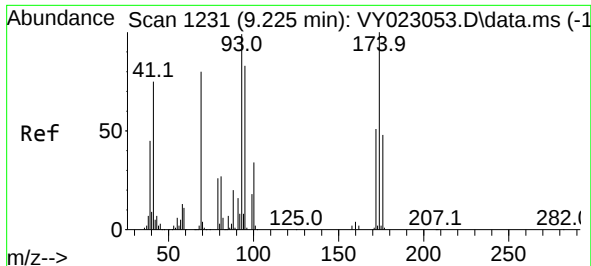
Ion Ratio Lower Upper

117 100

119 5.9 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.145 ug/l

RT: 9.237 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY023117.D

Acq: 15 Aug 2025 11:31

Instrument :

MSVOA_Y

ClientSampleId :

Tr-5-081325

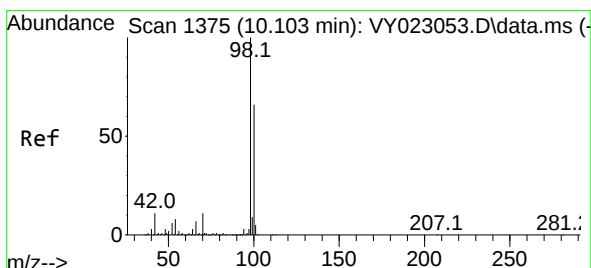
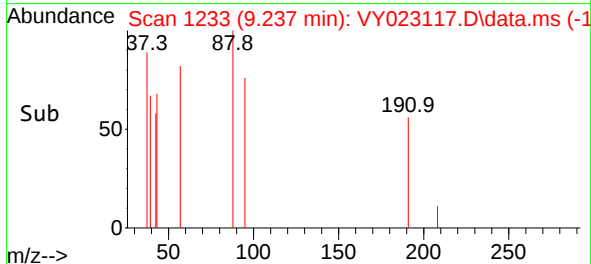
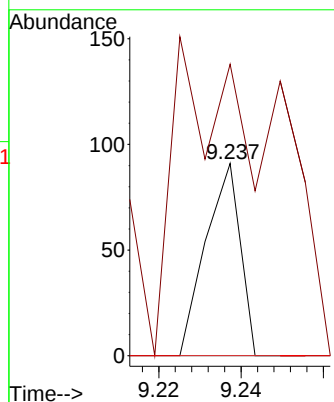
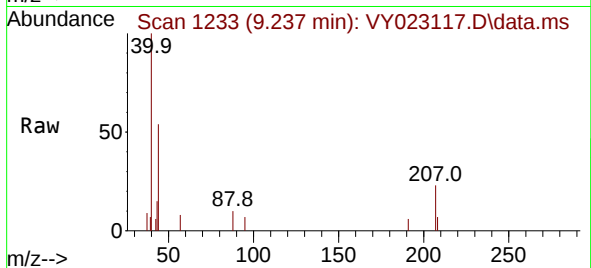
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 464.2 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 52.188 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023117.D

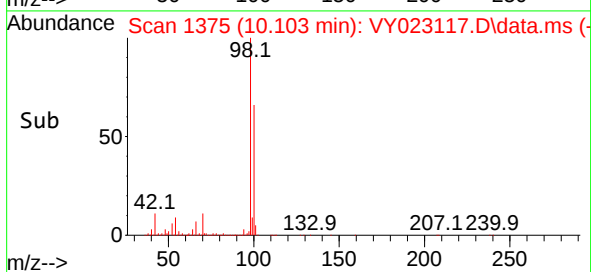
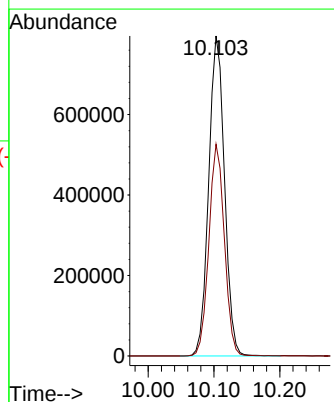
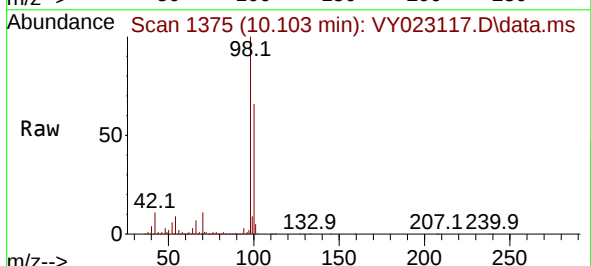
Acq: 15 Aug 2025 11:31

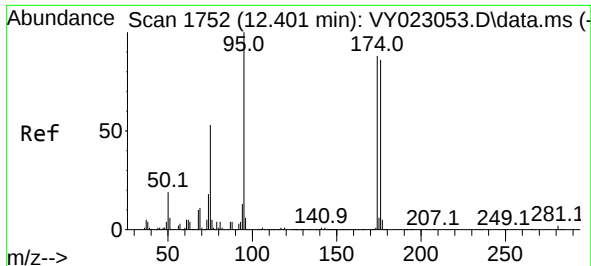
Tgt Ion: 98 Resp: 1330270

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5

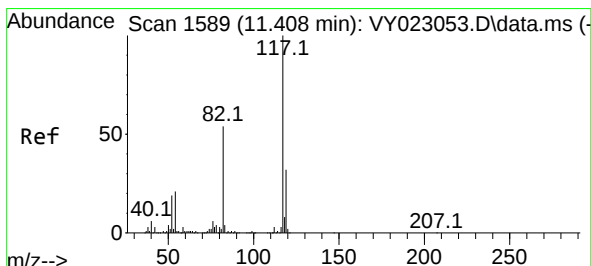
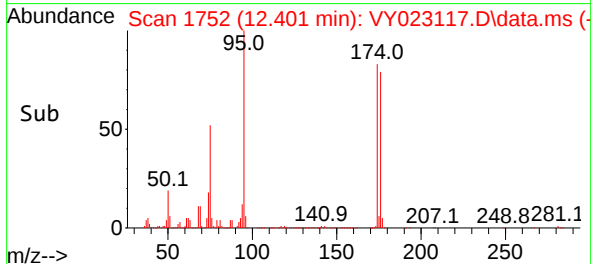
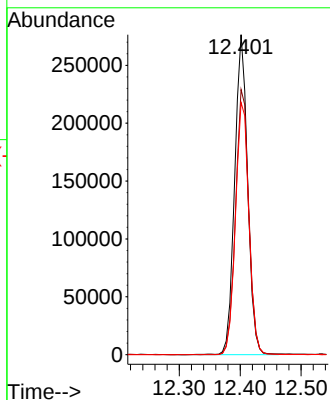
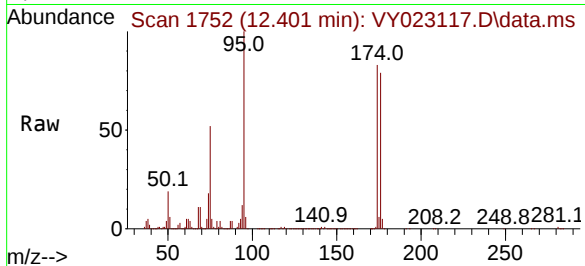




#62
4-Bromofluorobenzene
Concen: 49.810 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

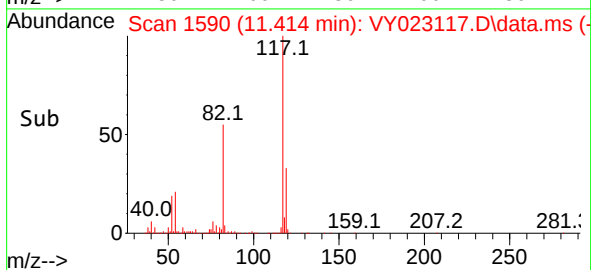
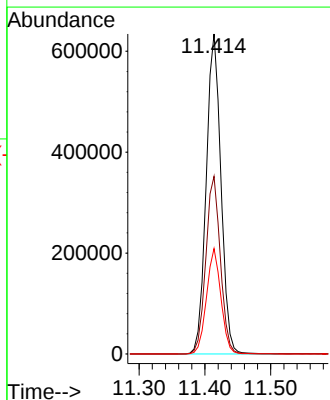
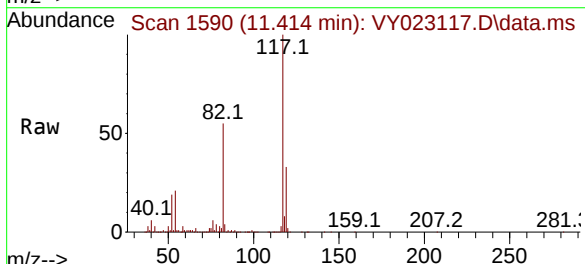
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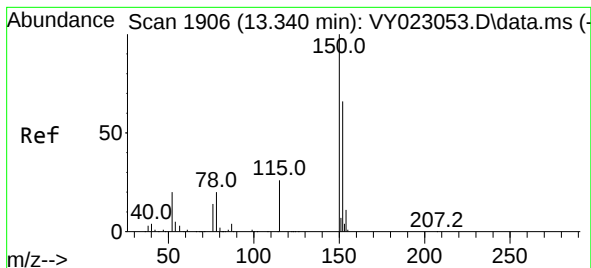
Tgt Ion: 95 Resp: 408322
Ion Ratio Lower Upper
95 100
174 85.5 0.0 171.6
176 81.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

Tgt Ion: 117 Resp: 987577
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.0
119 32.9 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: VY023117.D

Acq: 15 Aug 2025 11:31

Instrument :

MSVOA_Y

ClientSampleId :

Tr-5-081325

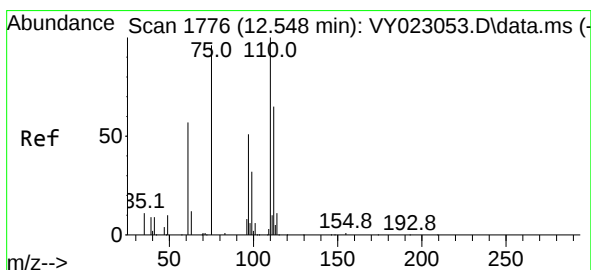
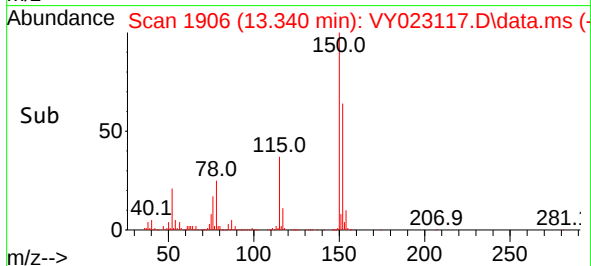
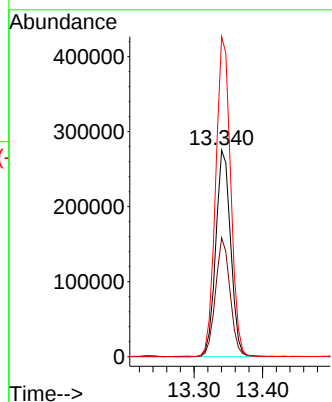
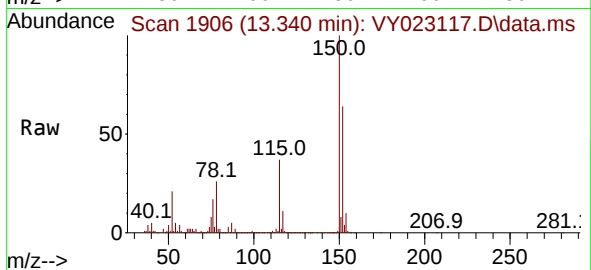
Tgt Ion:152 Resp: 412577

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.6

150 156.1 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 53.990 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023117.D

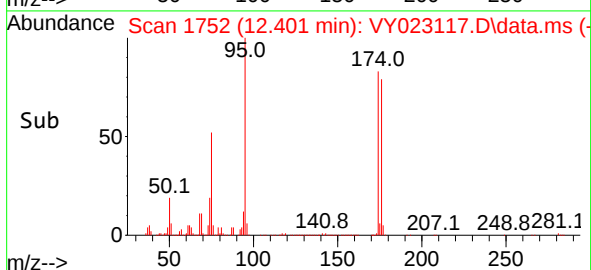
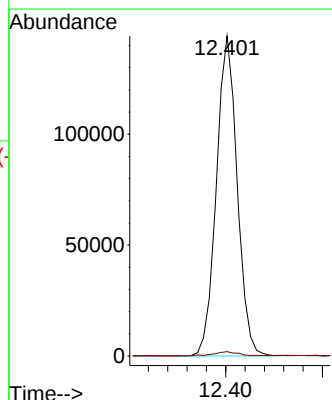
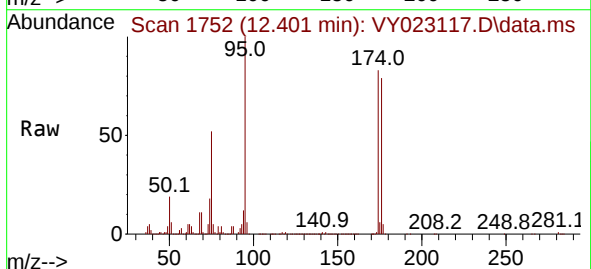
Acq: 15 Aug 2025 11:31

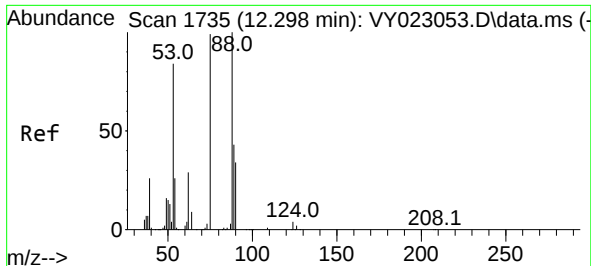
Tgt Ion: 75 Resp: 214976

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

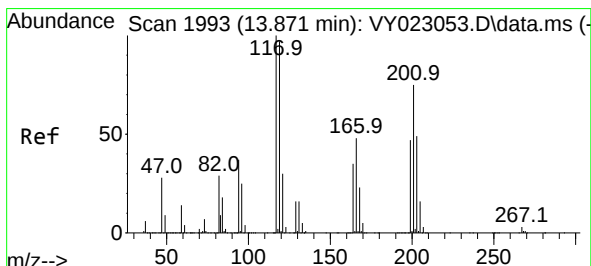
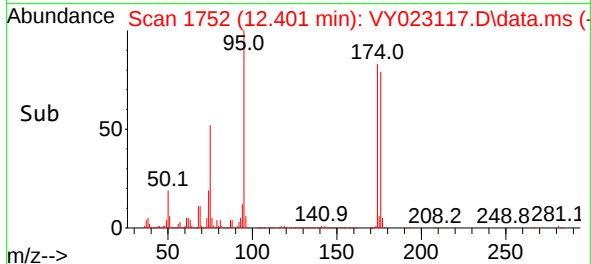
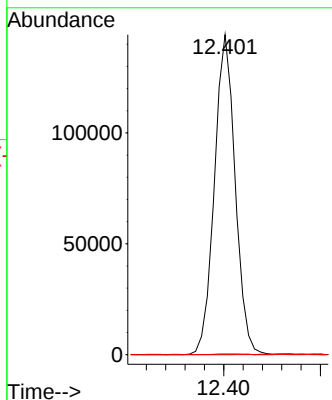
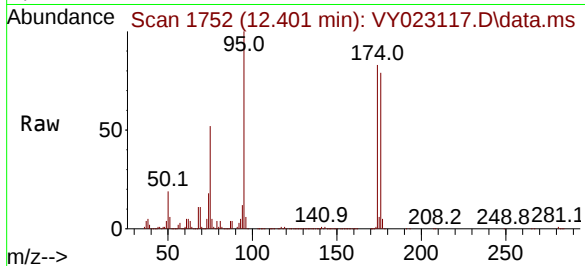




#81
trans-1,4-Dichloro-2-butene
Concen: 130.691 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

Instrument :
MSVOA_Y
ClientSampleId :
Tr-5-081325

Tgt Ion: 75 Resp: 214976
Ion Ratio Lower Upper
75 100
53 0.3 70.8 106.2#
89 0.0 38.1 57.1#



#90
Hexachloroethane
Concen: 1.477 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.018 min
Lab File: VY023117.D
Acq: 15 Aug 2025 11:31

Tgt Ion: 117 Resp: 7836
Ion Ratio Lower Upper
117 100
201 0.6 38.4 115.1#

