

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023074.D
 Acq On : 13 Aug 2025 16:53
 Operator : SY/MD
 Sample : Q2819-12
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-S

Quant Time: Aug 14 01:26:40 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	489566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	943748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	838550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	344922	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	289607	62.069	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.140%
35) Dibromofluoromethane	7.628	113	303187	53.689	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.380%
50) Toluene-d8	10.103	98	1154374	52.327	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.660%
62) 4-Bromofluorobenzene	12.401	95	344204	48.516	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.040%

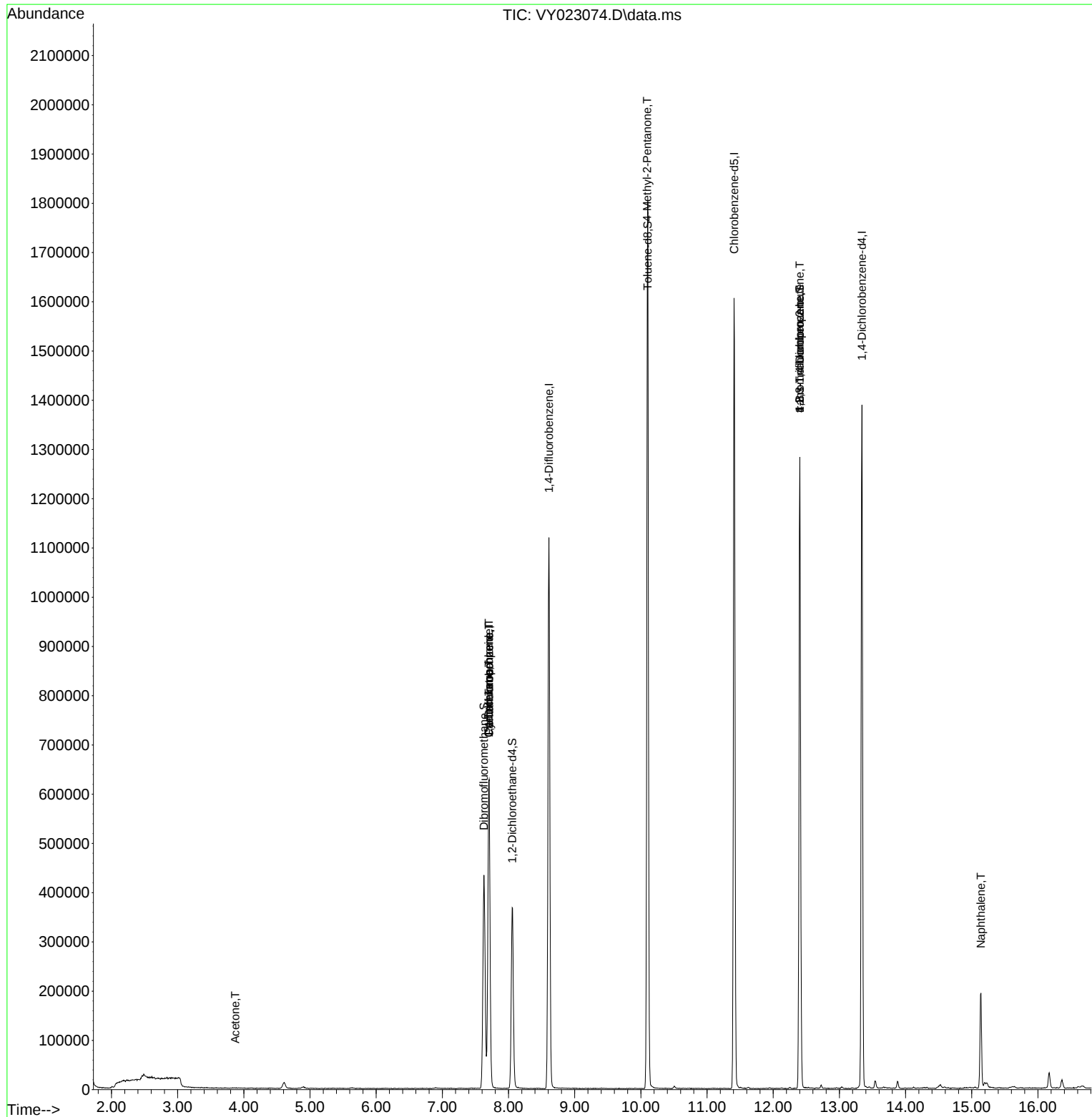
Target Compounds					Qvalue	
16) Acetone	3.872	43	1050	1.039	ug/l	95
20) Methylene Chloride	4.610	84	8336	Below Cal		92
31) Cyclohexane	7.701	56	10340	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	38837	4.628	ug/l #	49
38) Carbon Tetrachloride	7.701	117	47714	5.235	ug/l #	18
51) 4-Methyl-2-Pentanone	10.097	43	4891	1.331	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	183951	55.259	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	183951	133.765	ug/l #	14
95) Naphthalene	15.139	128	160848	15.881	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023074.D
Acq On : 13 Aug 2025 16:53
Operator : SY/MD
Sample : Q2819-12
Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
17M-S

Quant Time: Aug 14 01:26:40 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

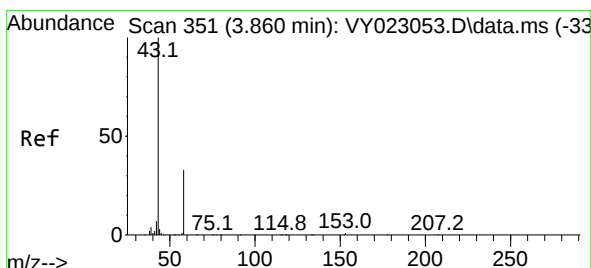
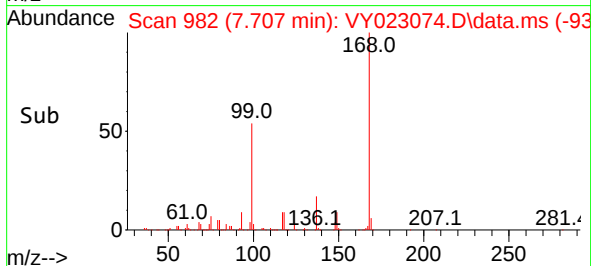
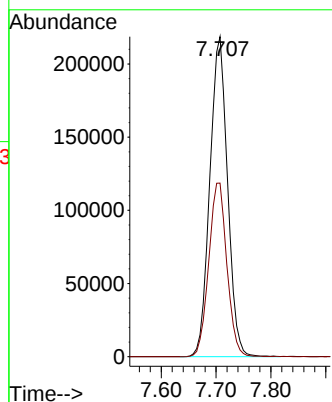
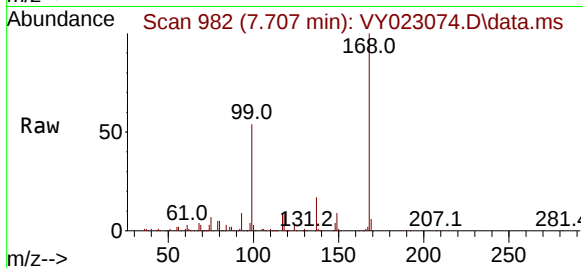




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

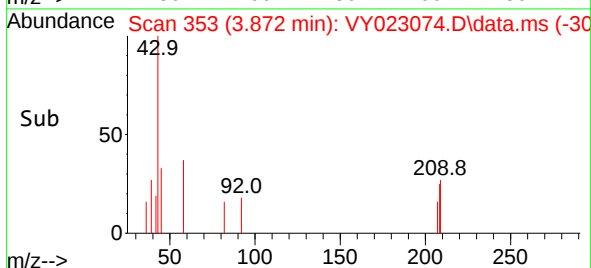
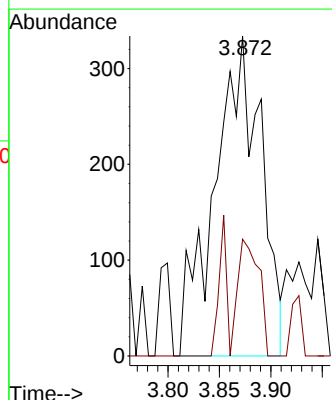
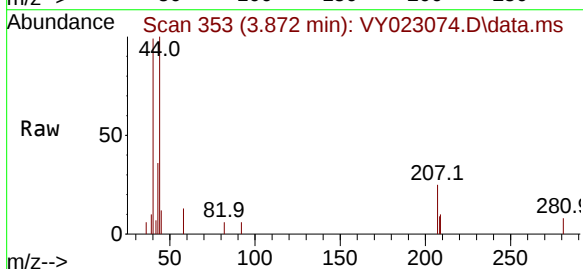
Instrument :
MSVOA_Y
ClientSampleId :
17M-S

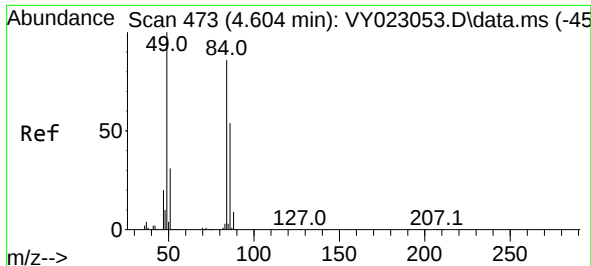
Tgt Ion:168 Resp: 489566
Ion Ratio Lower Upper
168 100
99 54.3 42.8 64.2



#16
Acetone
Concen: 1.039 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 36.5 27.1 40.7

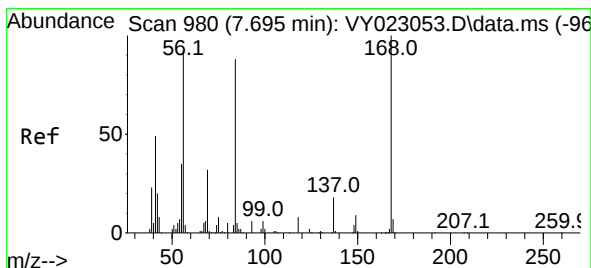
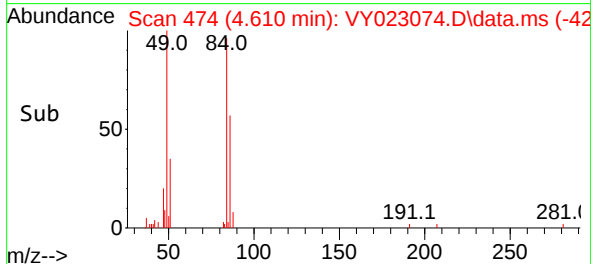
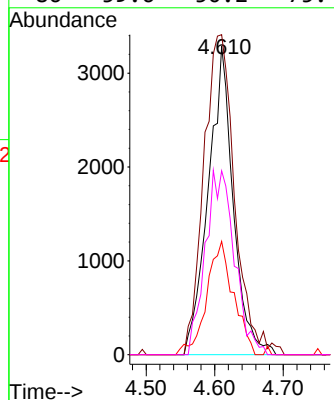
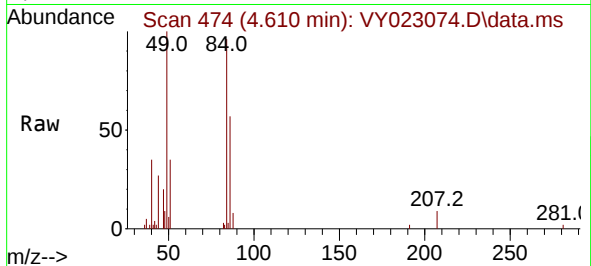




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

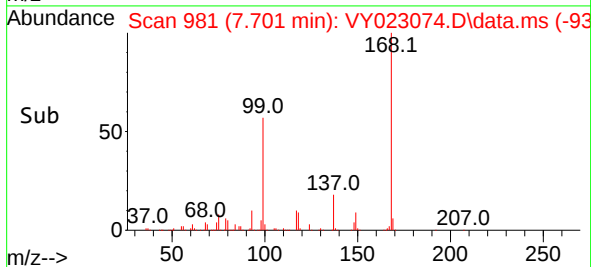
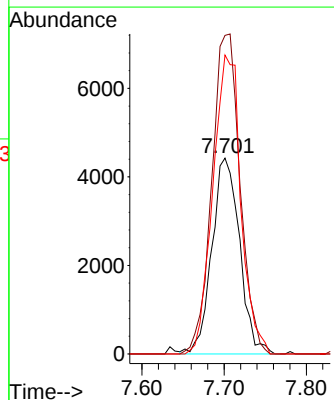
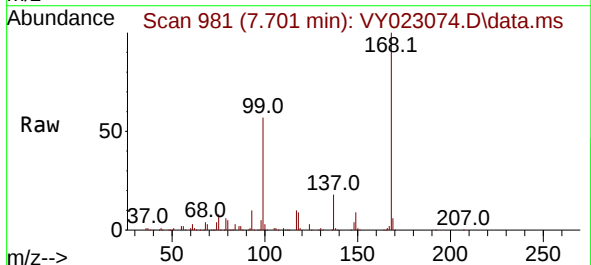
Instrument :
MSVOA_Y
ClientSampleId :
17M-S

Tgt Ion:	84	Resp:	8336
Ion	Ratio	Lower	Upper
84	100		
49	103.7	93.0	139.6
51	36.7	29.0	43.4
86	59.6	50.2	75.4



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

Tgt Ion:	56	Resp:	10340
Ion	Ratio	Lower	Upper
56	100		
69	162.7	28.2	42.2#
84	152.7	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 62.069 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY023074.D

Acq: 13 Aug 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

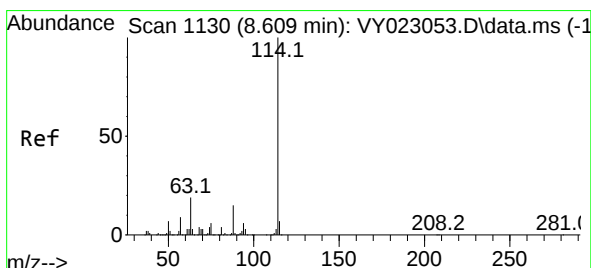
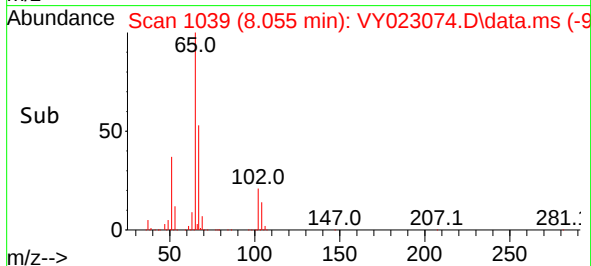
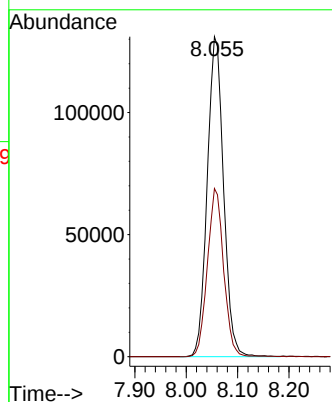
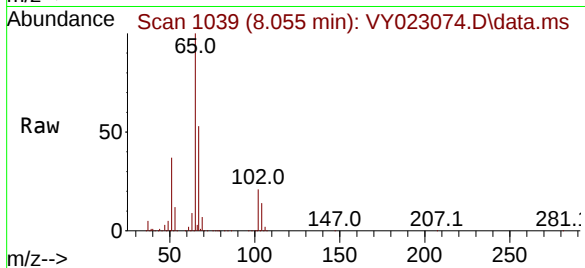
17M-S

Tgt Ion: 65 Resp: 289607

Ion Ratio Lower Upper

65 100

67 52.3 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: VY023074.D

Acq: 13 Aug 2025 16:53

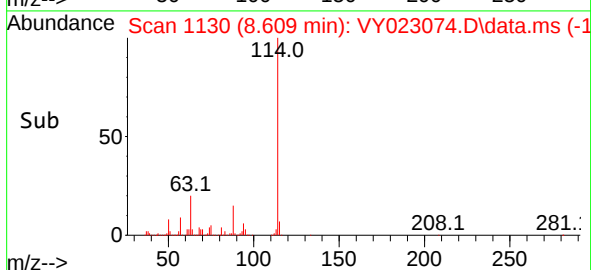
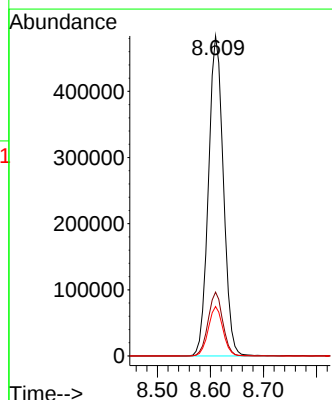
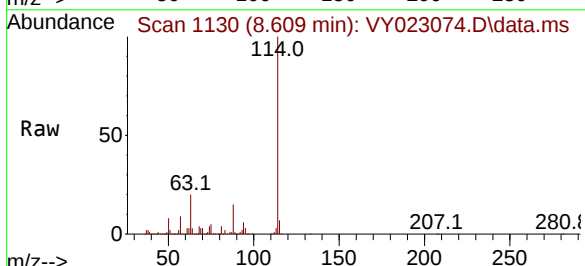
Tgt Ion: 114 Resp: 943748

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.689 ug/l

RT: 7.628 min Scan# 90

Delta R.T. 0.000 min

Lab File: VY023074.D

Acq: 13 Aug 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

17M-S

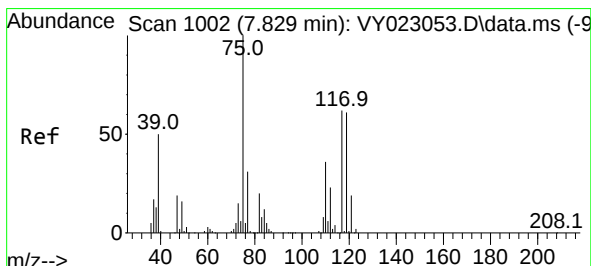
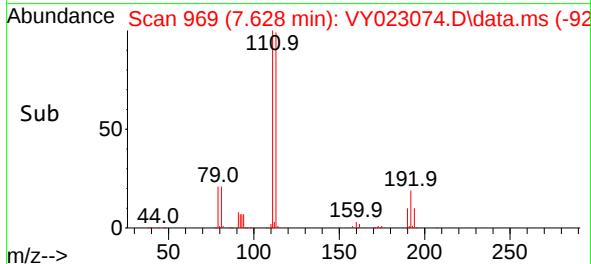
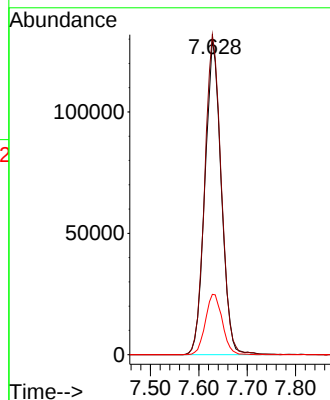
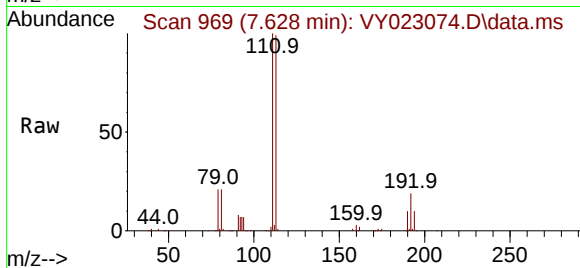
Tgt Ion:113 Resp: 303187

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

192 19.9 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY023074.D

Acq: 13 Aug 2025 16:53

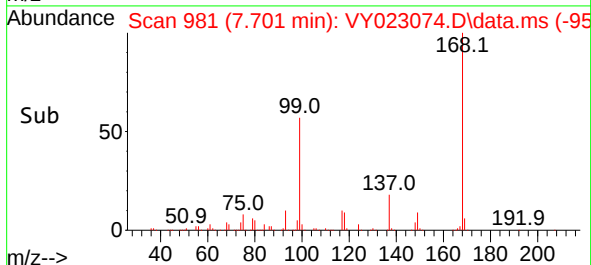
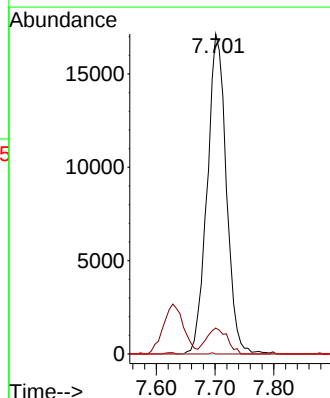
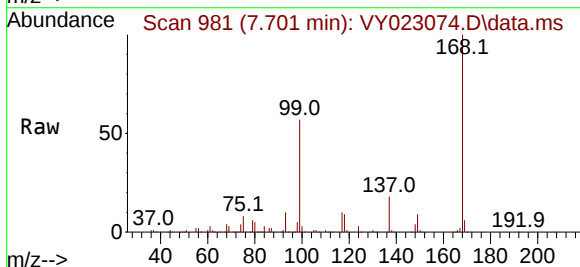
Tgt Ion: 75 Resp: 38837

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

77 0.1 24.6 37.0#

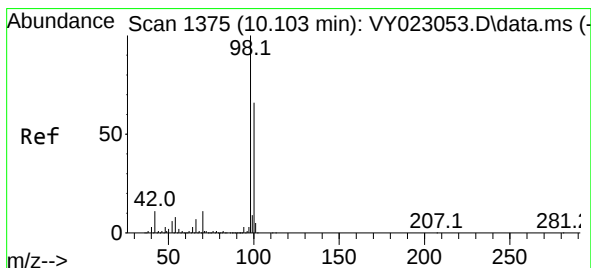
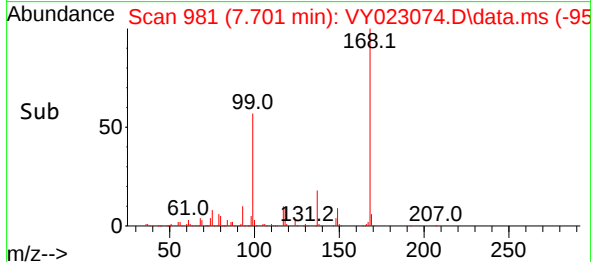
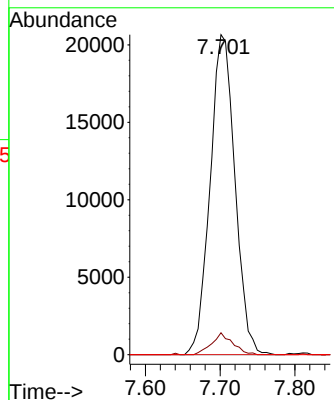
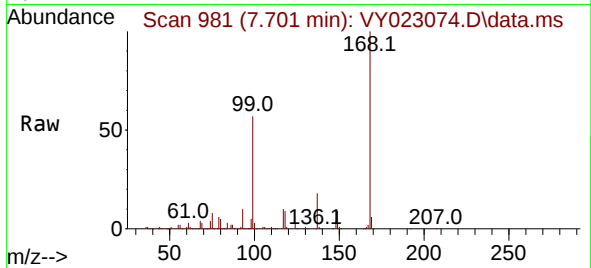




#38
Carbon Tetrachloride
Concen: 5.235 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

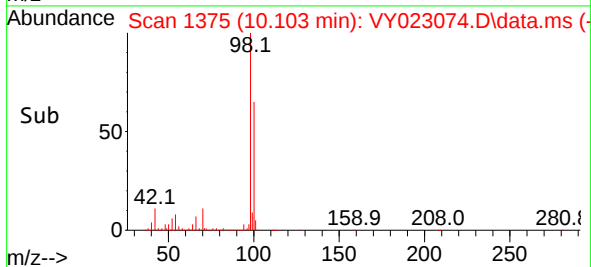
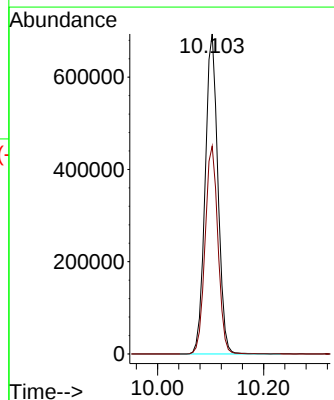
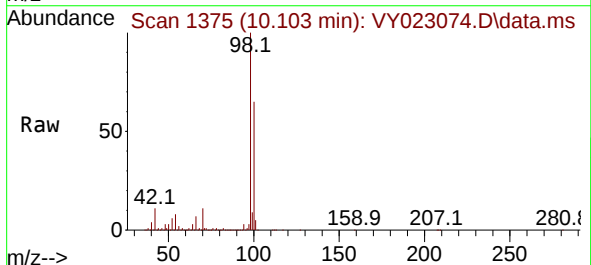
Instrument :
MSVOA_Y
ClientSampleId :
17M-S

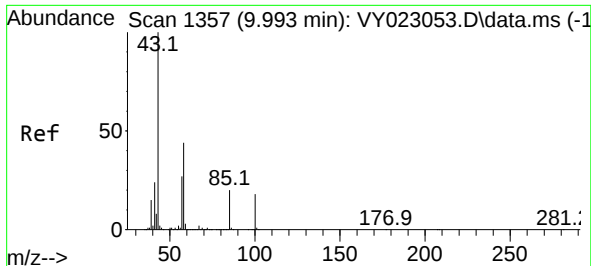
Tgt Ion:117 Resp: 47714
Ion Ratio Lower Upper
117 100
119 6.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 52.327 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

Tgt Ion: 98 Resp: 1154374
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

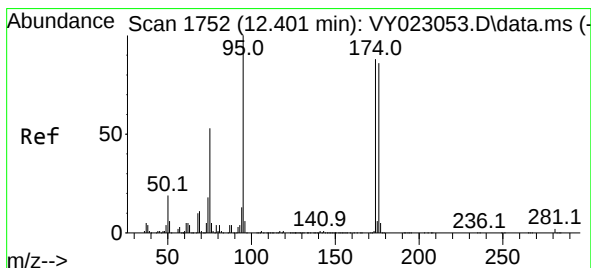
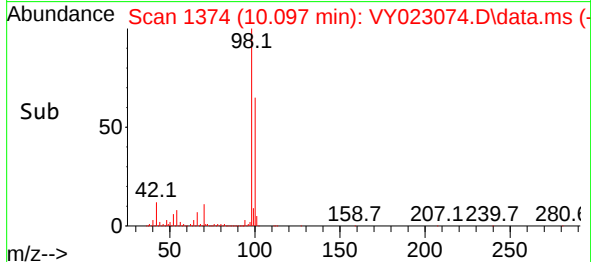
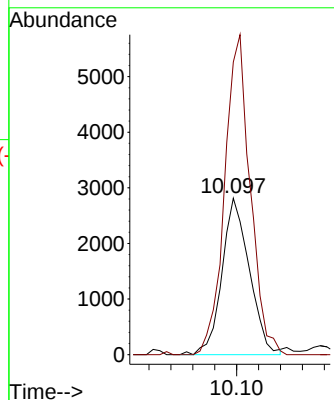
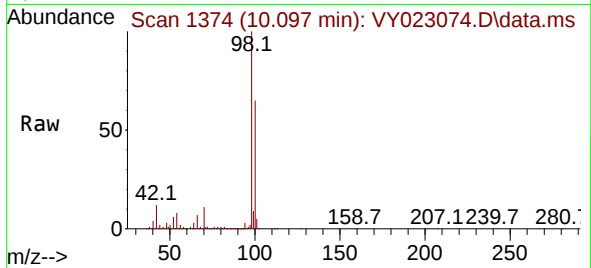




#51
4-Methyl-2-Pentanone
Concen: 1.331 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

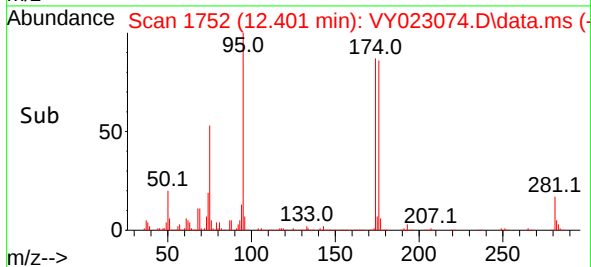
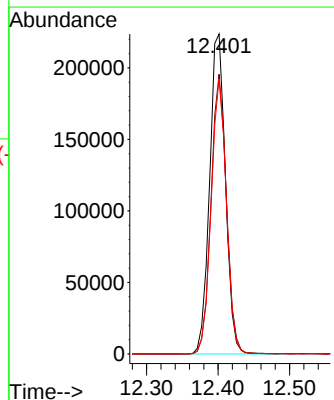
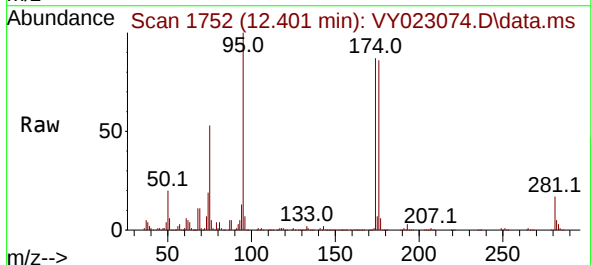
Instrument :
MSVOA_Y
ClientSampleId :
17M-S

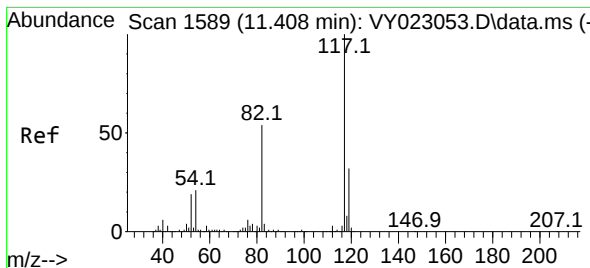
Tgt Ion: 43 Resp: 4891
Ion Ratio Lower Upper
43 100
58 190.8 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 48.516 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

Tgt Ion: 95 Resp: 344204
Ion Ratio Lower Upper
95 100
174 85.0 0.0 171.6
176 82.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023074.D

Acq: 13 Aug 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

17M-S

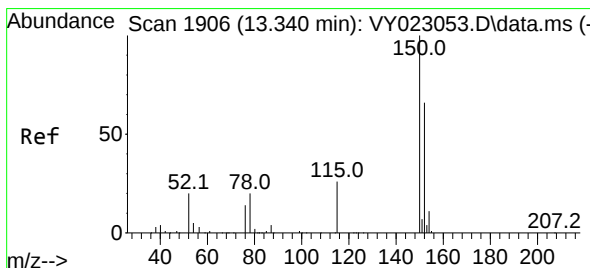
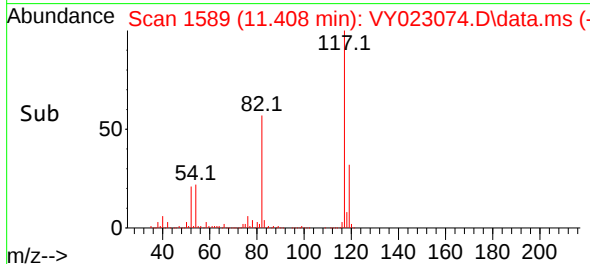
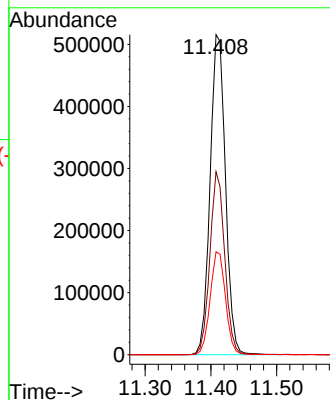
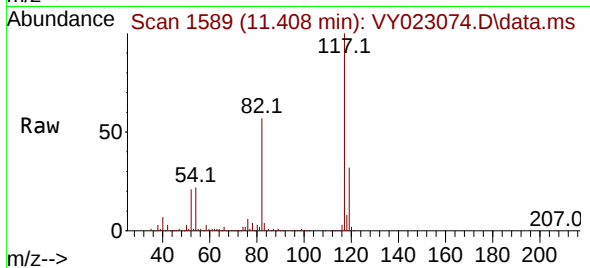
Tgt Ion:117 Resp: 838550

Ion Ratio Lower Upper

117 100

82 57.2 43.4 65.0

119 32.2 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: VY023074.D

Acq: 13 Aug 2025 16:53

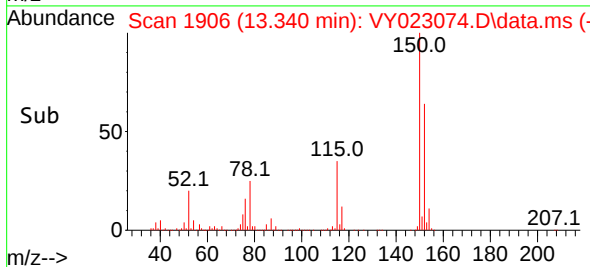
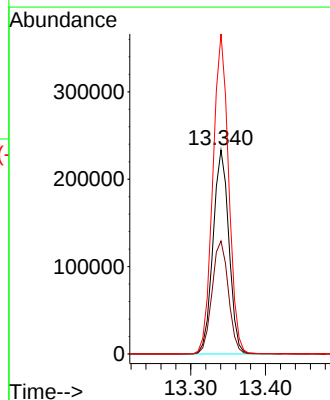
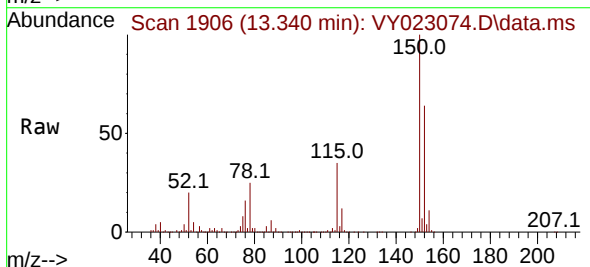
Tgt Ion:152 Resp: 344922

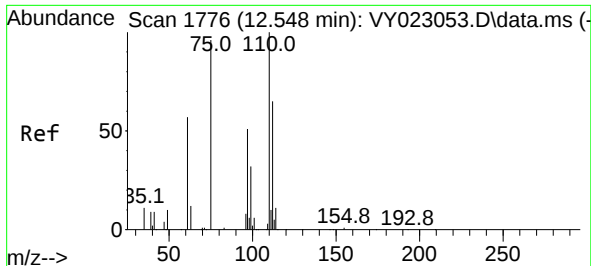
Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 156.6 0.0 348.0

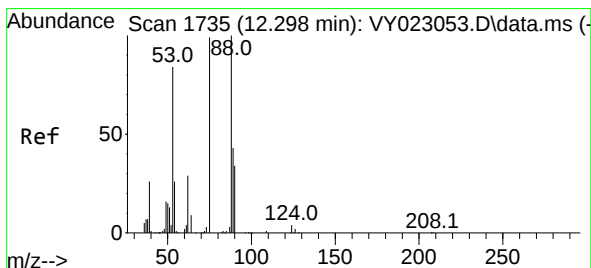
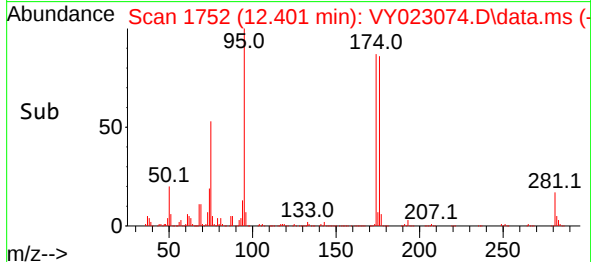
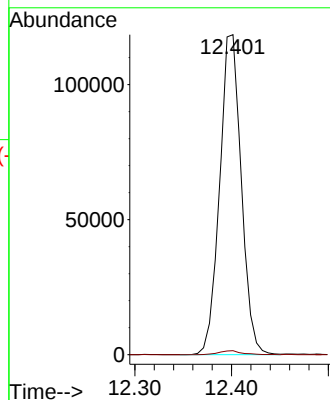
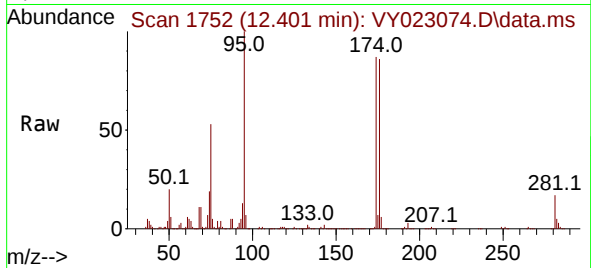




#76
1,2,3-Trichloropropane
Concen: 55.259 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

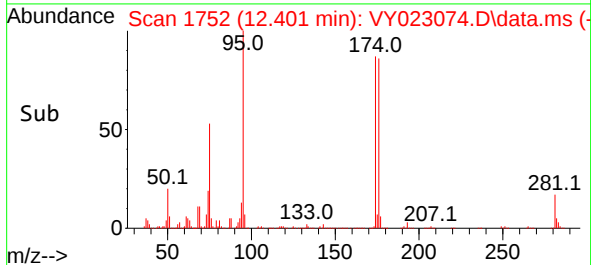
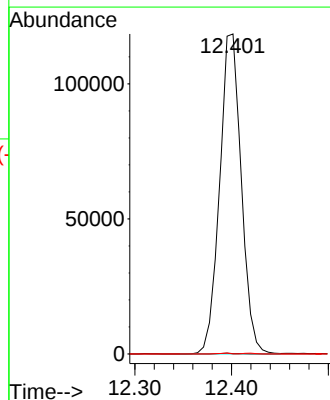
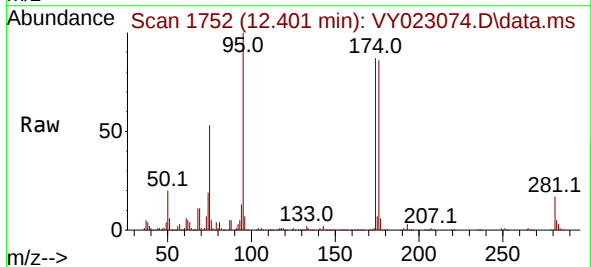
Instrument :
MSVOA_Y
ClientSampleId :
17M-S

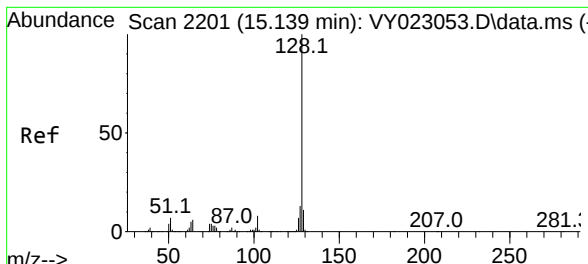
Tgt Ion: 75 Resp: 183951
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.765 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023074.D
Acq: 13 Aug 2025 16:53

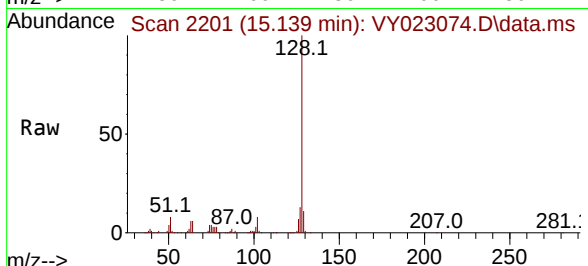
Tgt Ion: 75 Resp: 183951
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#





#95
 Naphthalene
 Concen: 15.881 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY023074.D
 Acq: 13 Aug 2025 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-S



Tgt Ion:128 Resp: 160848

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	9.0	13.4

