

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023168.D
 Acq On : 20 Aug 2025 12:14
 Operator : SY/MD
 Sample : Q2879-09
 Misc : 4.25g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425

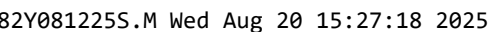
Quant Time: Aug 20 15:23:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

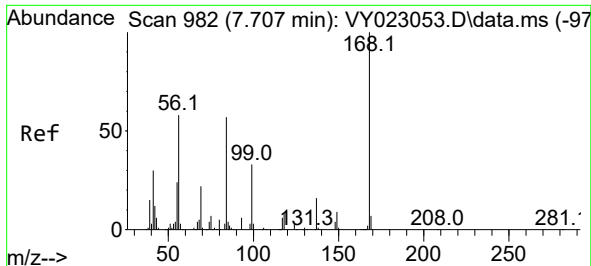
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	516659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	966938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	789139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	248201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	276384	56.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.260%
35) Dibromofluoromethane	7.634	113	310612	53.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.360%
50) Toluene-d8	10.103	98	1144603	50.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.280%
62) 4-Bromofluorobenzene	12.402	95	303850	41.801	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	1649	4.887	ug/l #	71
16) Acetone	3.873	43	1516	1.421	ug/l #	62
20) Methylene Chloride	4.610	84	6894	Below Cal		97
31) Cyclohexane	7.707	56	11191	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	40078	4.661	ug/l #	50
38) Carbon Tetrachloride	7.707	117	50791	5.438	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4579	1.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	155475	64.906	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	155475	157.116	ug/l #	14

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

Quant Time: Aug 20 15:23:48 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

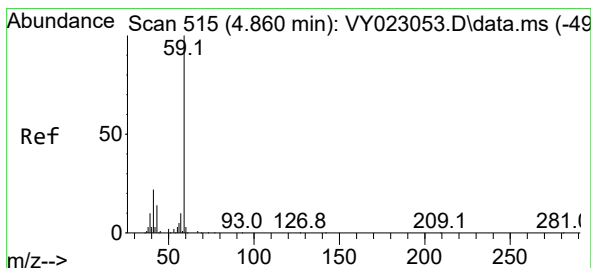
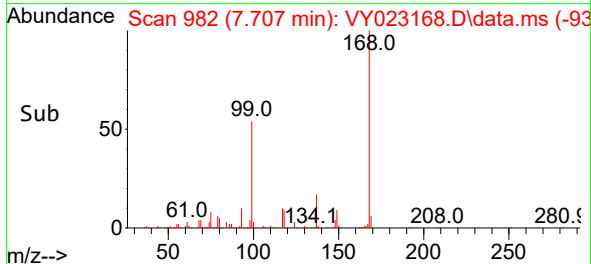
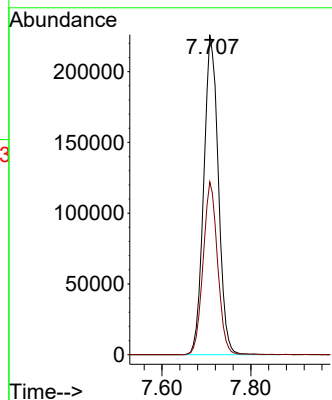
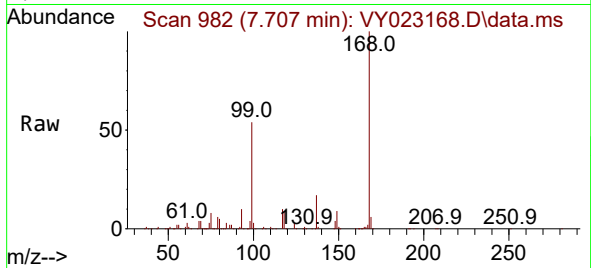




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

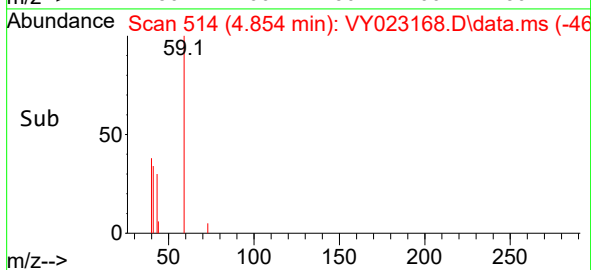
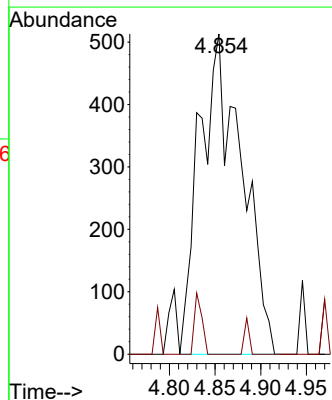
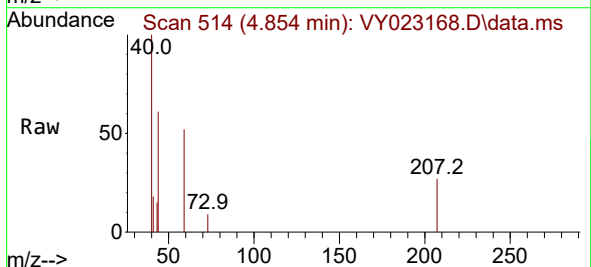
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

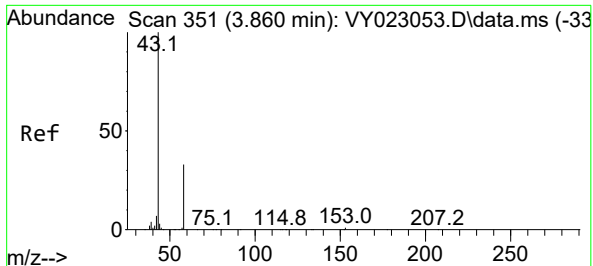
Tgt Ion:168 Resp: 516659
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#11
Tert butyl alcohol
Concen: 4.887 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion: 59 Resp: 1649
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

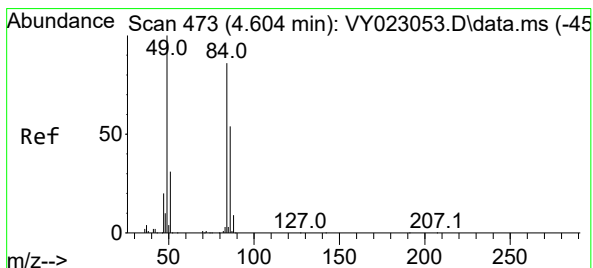
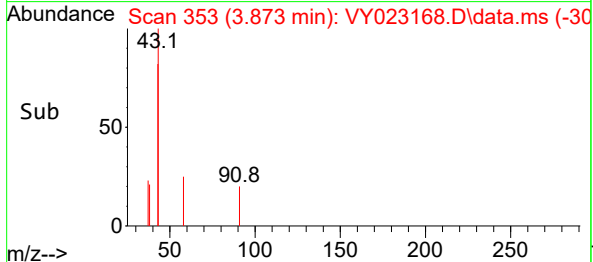
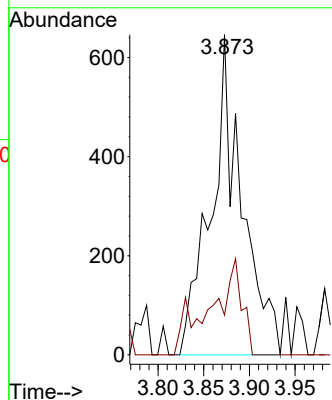
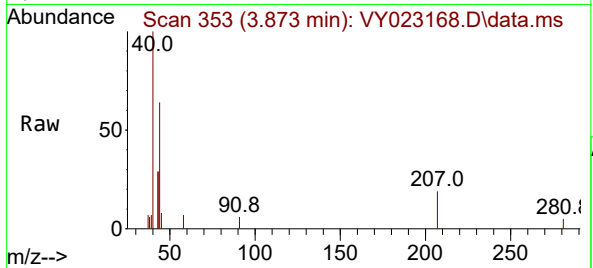




#16
Acetone
Concen: 1.421 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

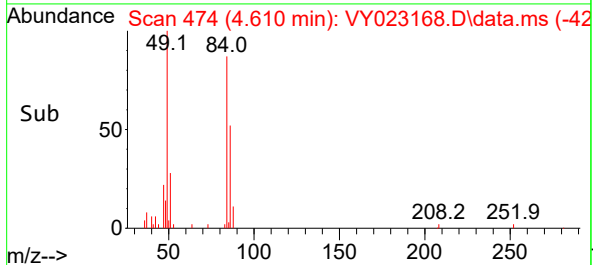
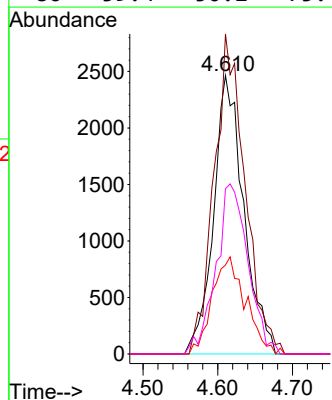
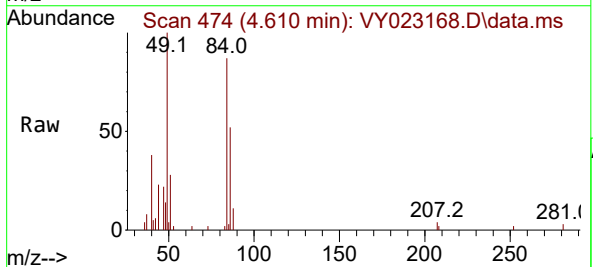
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

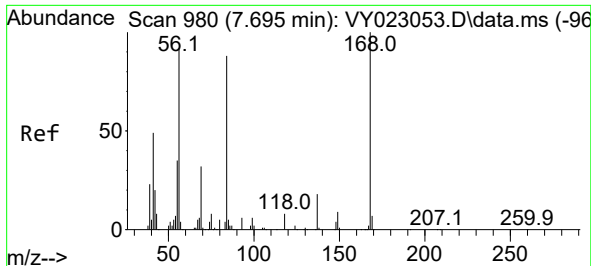
Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
58 12.4 27.1 40.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion: 84 Resp: 6894
Ion Ratio Lower Upper
84 100
49 114.9 93.0 139.6
51 32.0 29.0 43.4
86 59.4 50.2 75.4

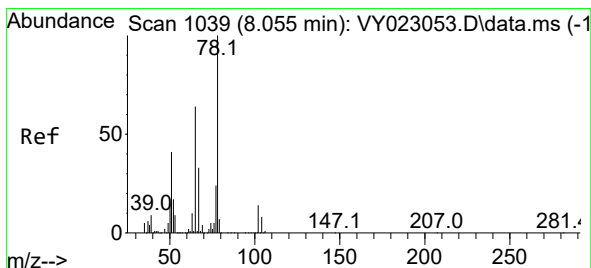
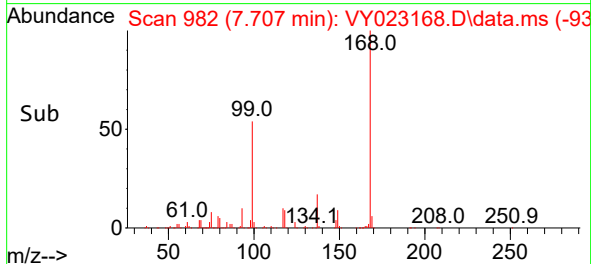
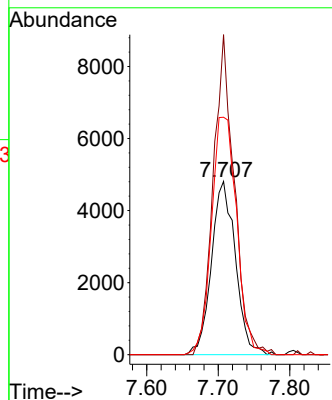
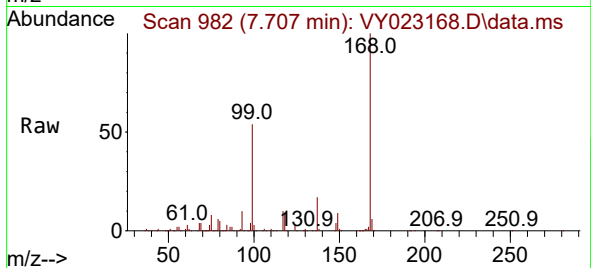




#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

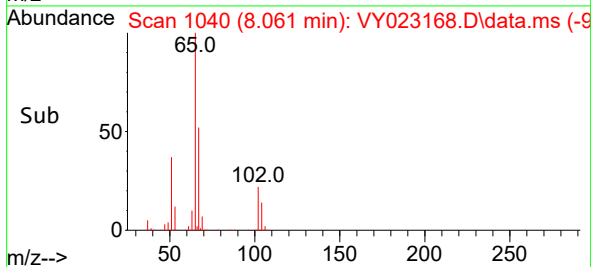
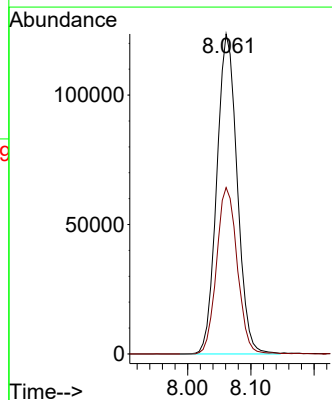
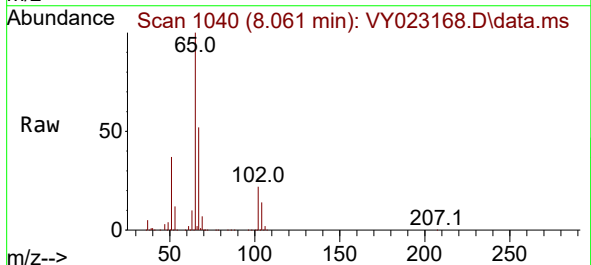
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

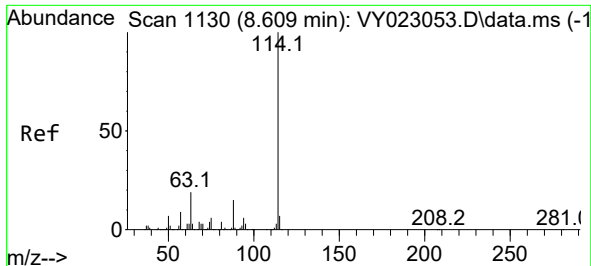
Tgt Ion: 56 Resp: 11191
Ion Ratio Lower Upper
56 100
69 184.7 28.2 42.2#
84 137.0 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 56.129 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion: 65 Resp: 276384
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8

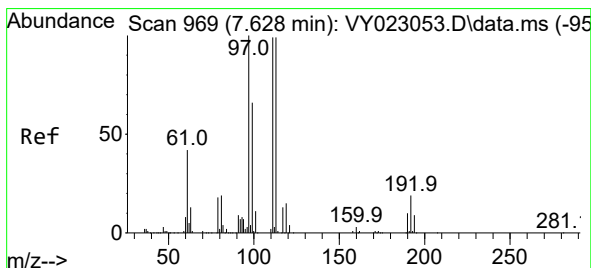
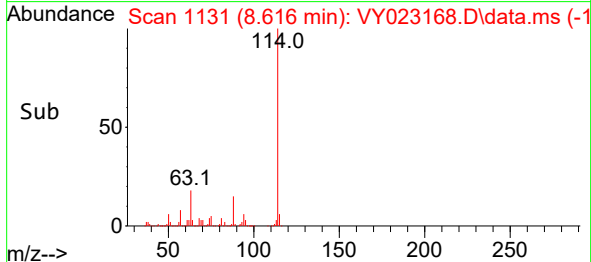
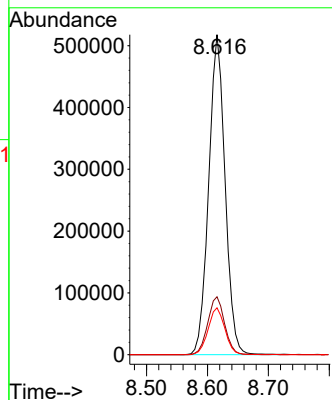
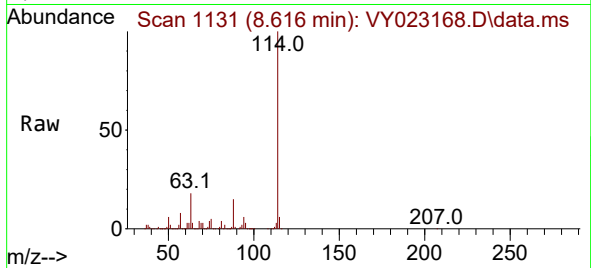




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

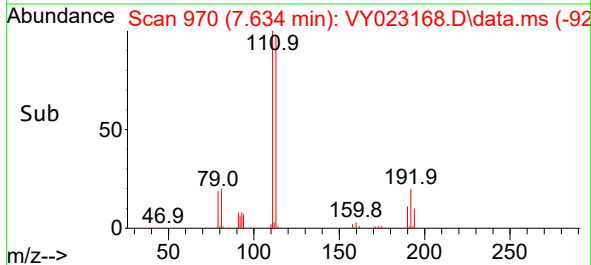
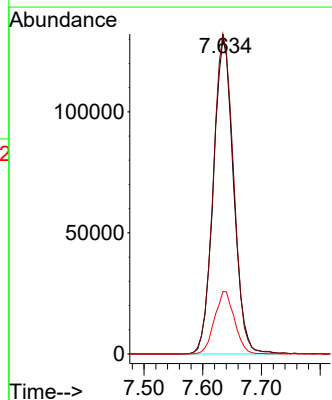
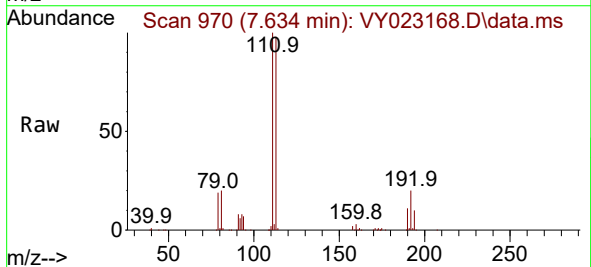
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

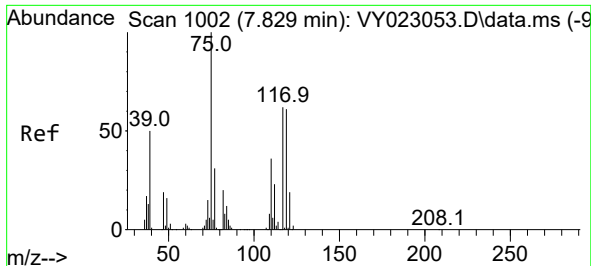
Tgt Ion:114 Resp: 966938
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.685 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion:113 Resp: 310612
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 19.6 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023168.D

Acq: 20 Aug 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

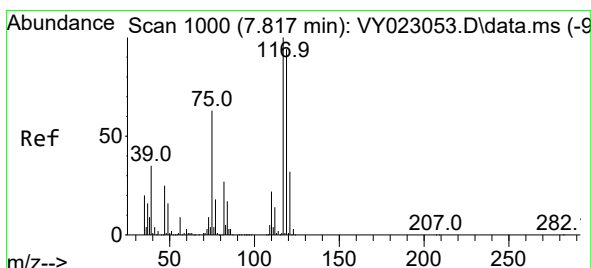
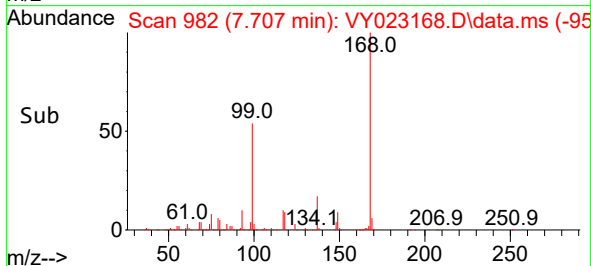
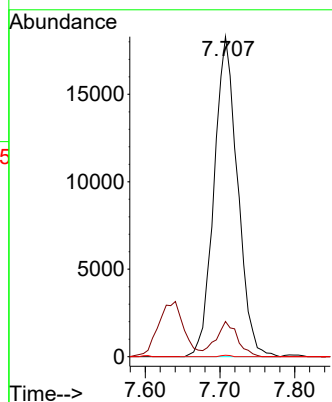
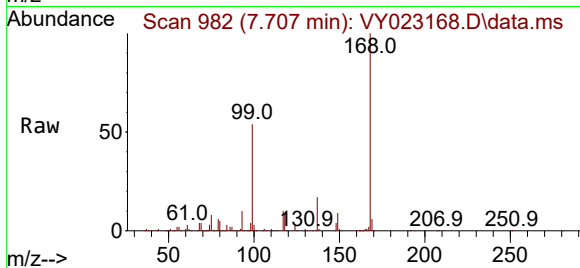
Tgt Ion: 75 Resp: 40078

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.438 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023168.D

Acq: 20 Aug 2025 12:14

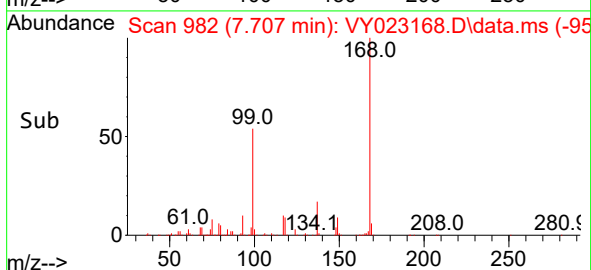
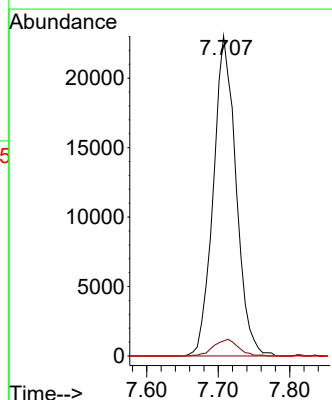
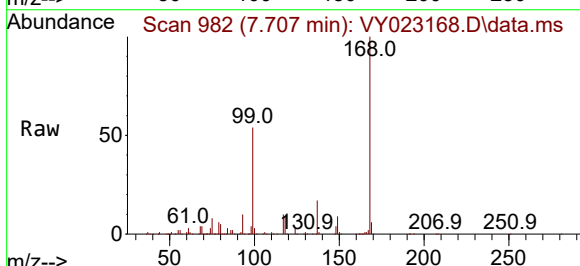
Tgt Ion: 117 Resp: 50791

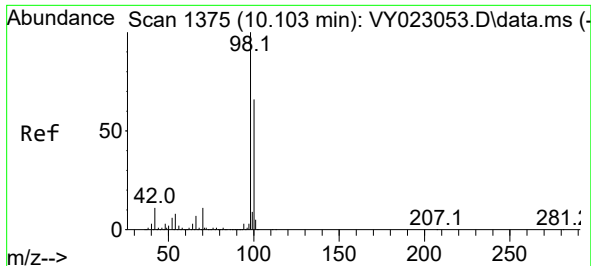
Ion Ratio Lower Upper

117 100

119 4.7 75.6 113.4#

121 0.0 25.8 38.8#

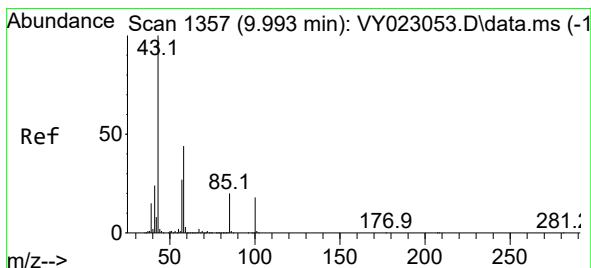
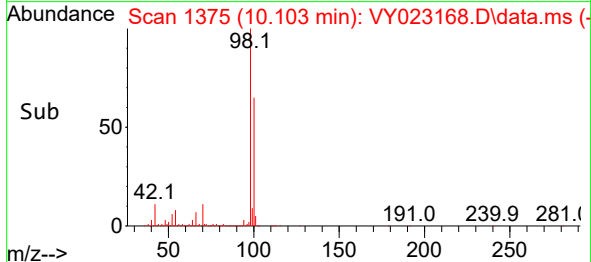
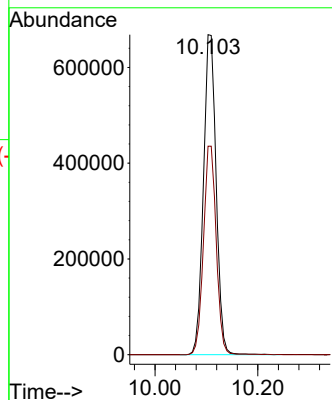
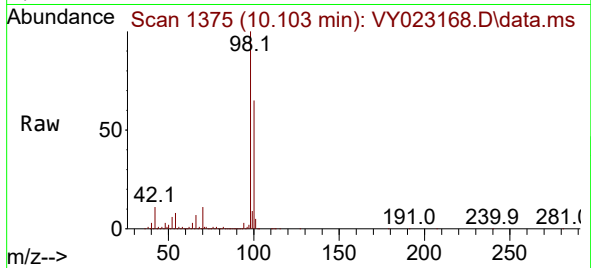




#50
Toluene-d8
Concen: 50.640 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

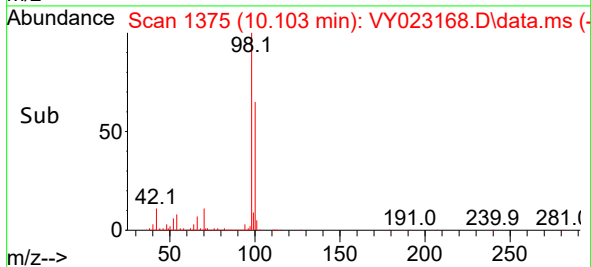
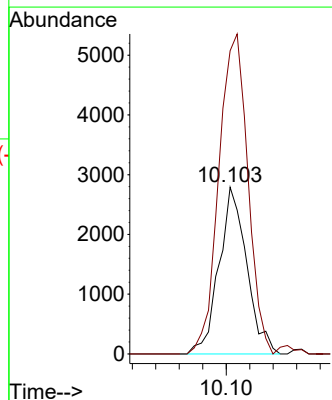
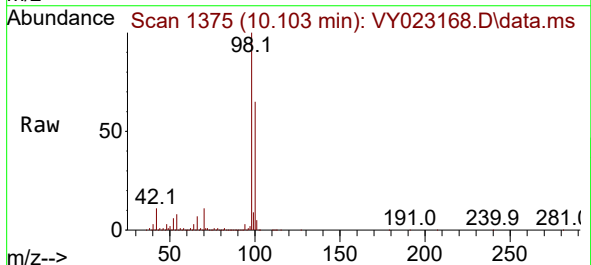
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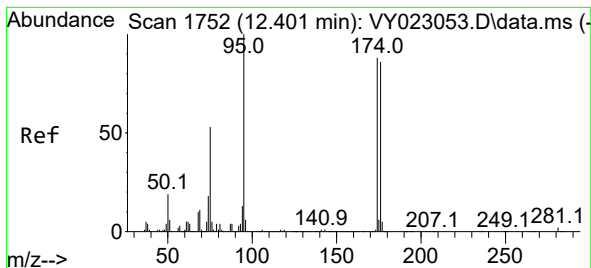
Tgt Ion: 98 Resp: 1144603
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.216 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023168.D
Acq: 20 Aug 2025 12:14

Tgt Ion: 43 Resp: 4579
Ion Ratio Lower Upper
43 100
58 201.3 33.5 50.3#





#62

4-Bromofluorobenzene

Concen: 41.801 ug/l

RT: 12.402 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023168.D

Acq: 20 Aug 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

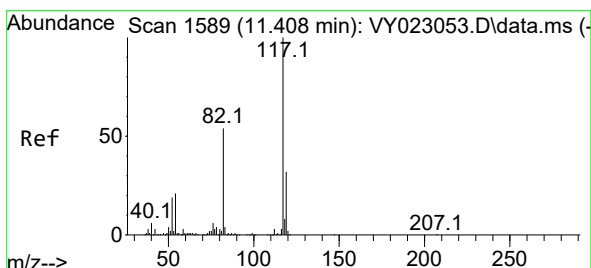
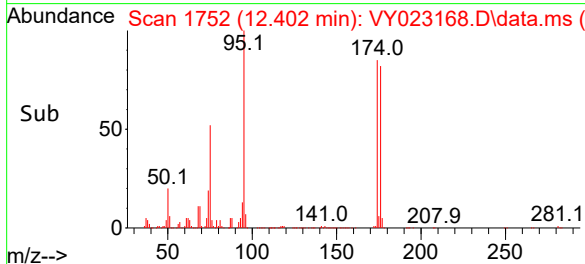
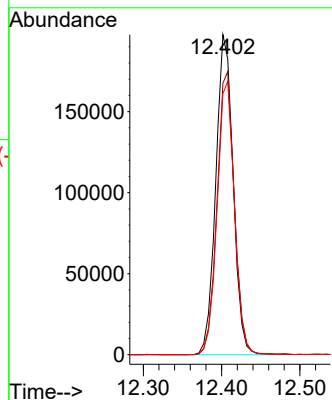
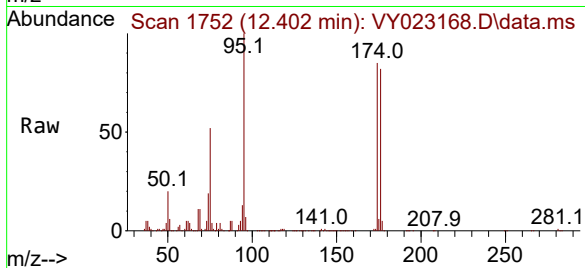
Tgt Ion: 95 Resp: 303850

Ion Ratio Lower Upper

95 100

174 88.6 0.0 171.6

176 85.4 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: VY023168.D

Acq: 20 Aug 2025 12:14

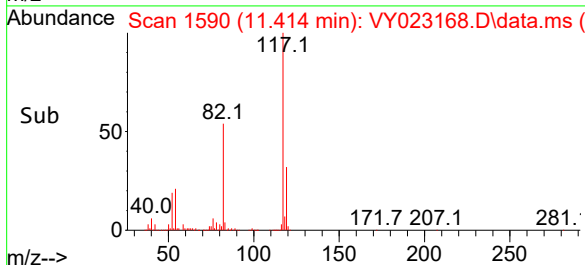
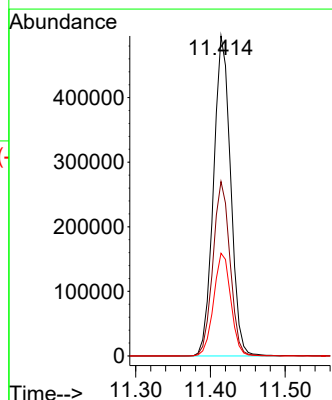
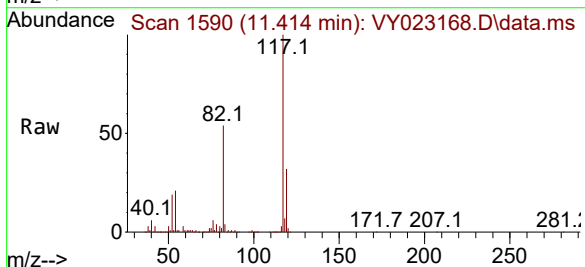
Tgt Ion: 117 Resp: 789139

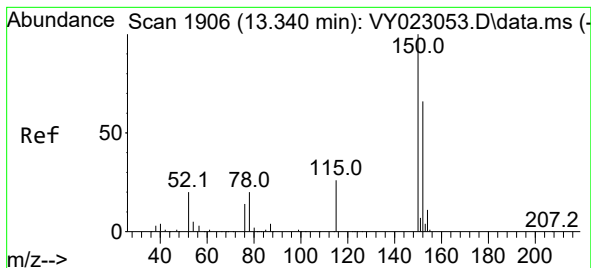
Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023168.D

Acq: 20 Aug 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

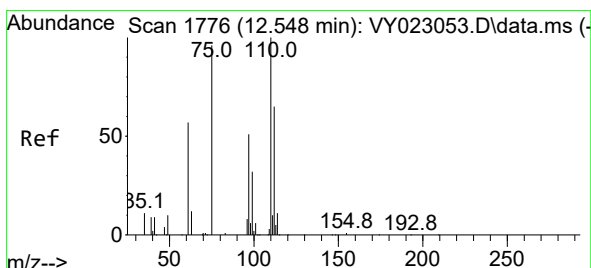
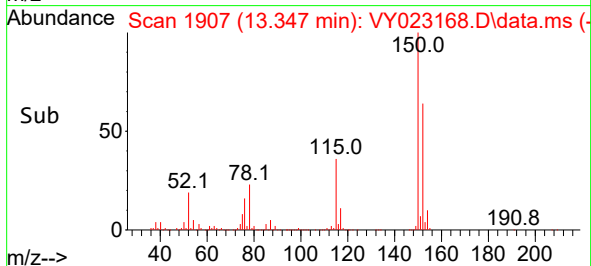
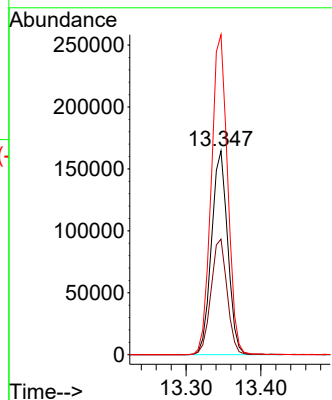
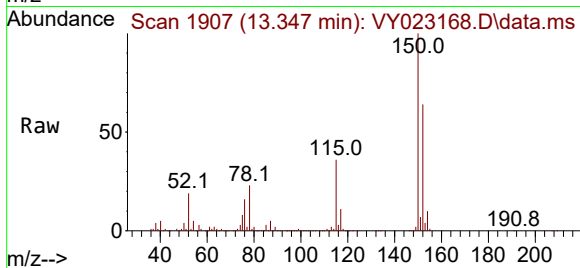
Tgt Ion:152 Resp: 248201

Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.6

150 158.3 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 64.906 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023168.D

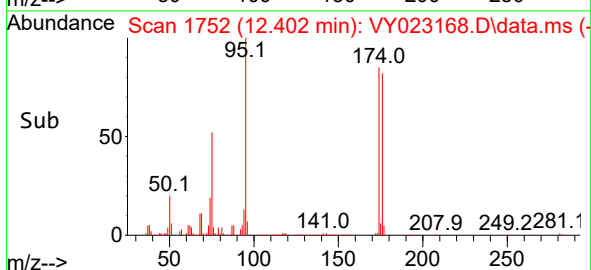
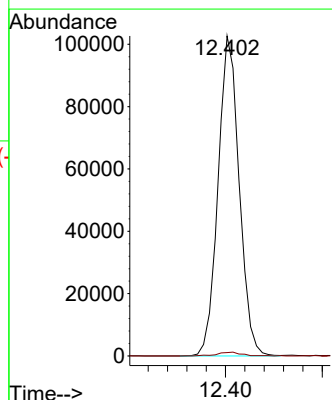
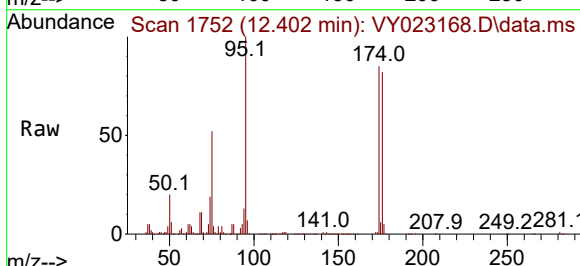
Acq: 20 Aug 2025 12:14

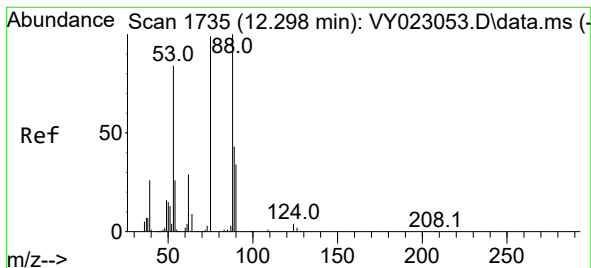
Tgt Ion: 75 Resp: 155475

Ion Ratio Lower Upper

75 100

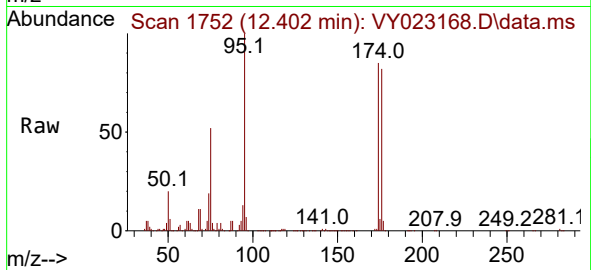
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.116 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023168.D
 Acq: 20 Aug 2025 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425



Tgt Ion: 75 Resp: 155475
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

