

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023156.D
 Acq On : 19 Aug 2025 17:12
 Operator : SY/MD
 Sample : Q2879-17
 Misc : 3.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 20 01:33:12 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

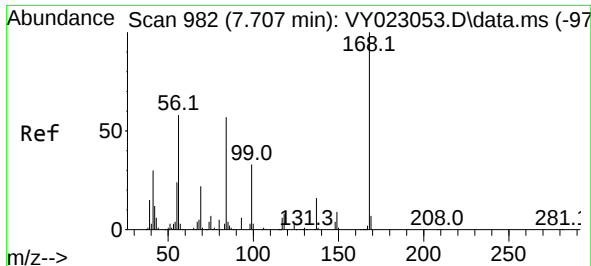
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	523510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	976443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	798419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	273689	54.854	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.700%	
35) Dibromofluoromethane	7.634	113	307577	52.643	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.280%	
50) Toluene-d8	10.103	98	1150699	50.414	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.401	95	280017	38.147	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.300%	
Target Compounds						Qvalue
16) Acetone	3.872	43	3266	3.021	ug/l	97
20) Methylene Chloride	4.616	84	8117	Below Cal		94
31) Cyclohexane	7.707	56	10913	1.174	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	39427	4.541	ug/l #	50
38) Carbon Tetrachloride	7.707	117	50709	5.377	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4571	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	146452	59.102	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	146452	143.067	ug/l #	14

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

Quant Time: Aug 20 01:33:12 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

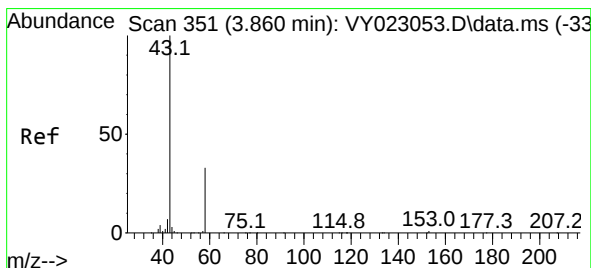
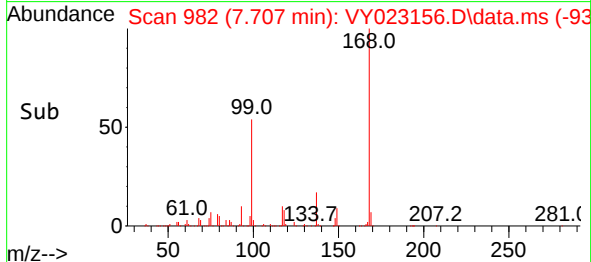
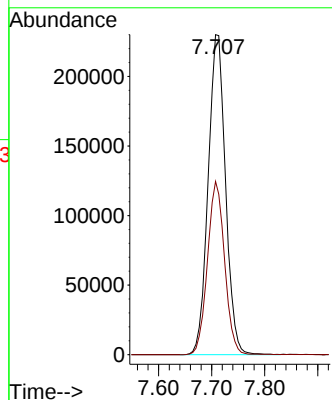
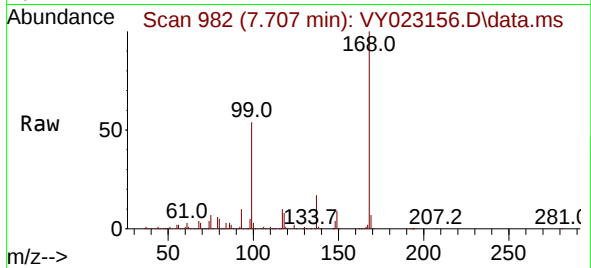




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

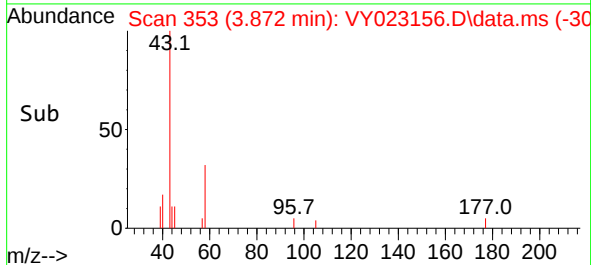
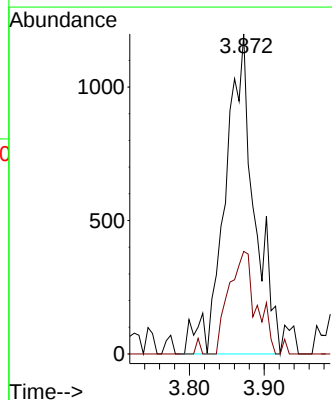
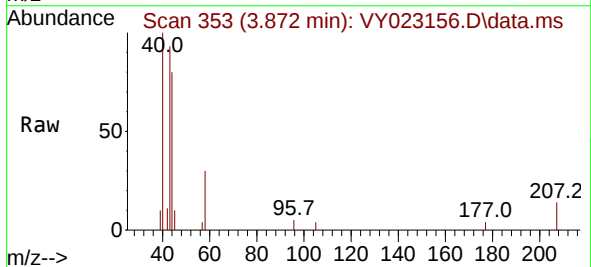
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

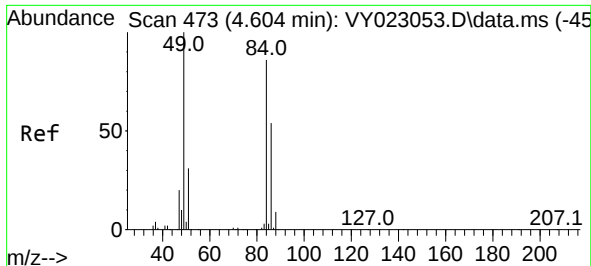
Tgt Ion:168 Resp: 523510
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2



#16
Acetone
Concen: 3.021 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 43 Resp: 3266
Ion Ratio Lower Upper
43 100
58 32.0 27.1 40.7

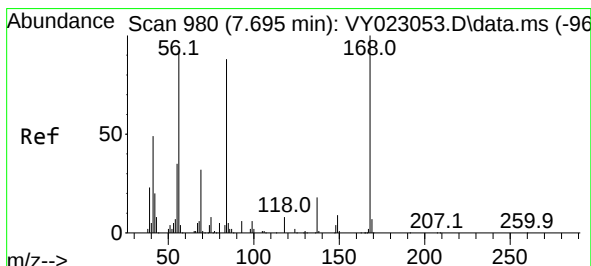
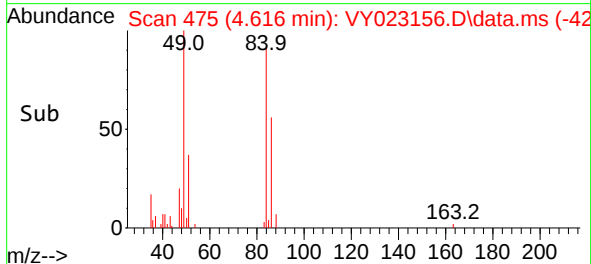
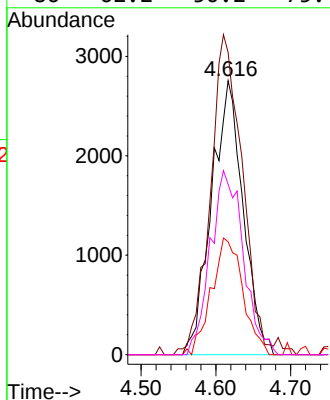
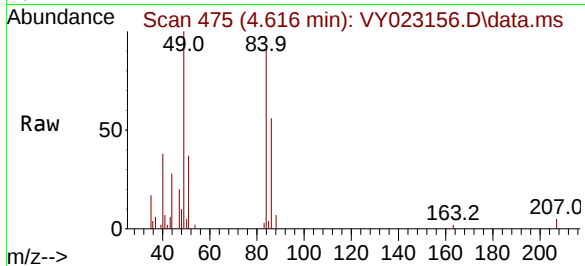




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

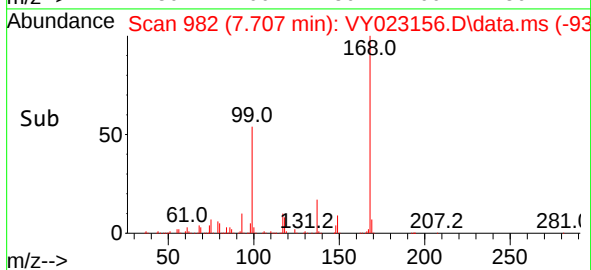
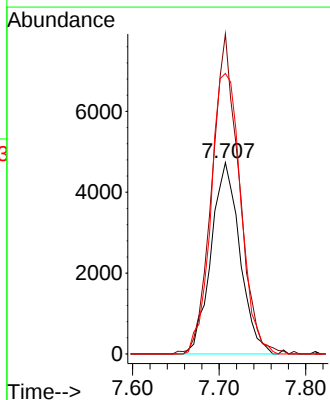
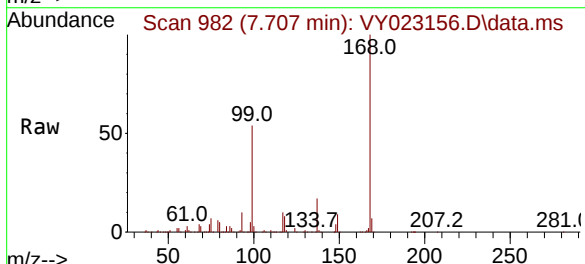
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

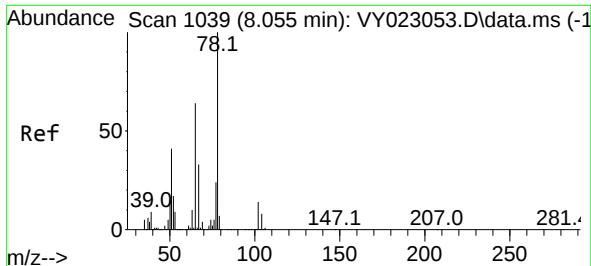
Tgt Ion:	84	Resp:	8117
Ion	Ratio	Lower	Upper
84	100		
49	108.2	93.0	139.6
51	41.2	29.0	43.4
86	62.2	50.2	75.4



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion:	56	Resp:	10913
Ion	Ratio	Lower	Upper
56	100		
69	165.8	28.2	42.2#
84	146.6	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 54.854 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023156.D

Acq: 19 Aug 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

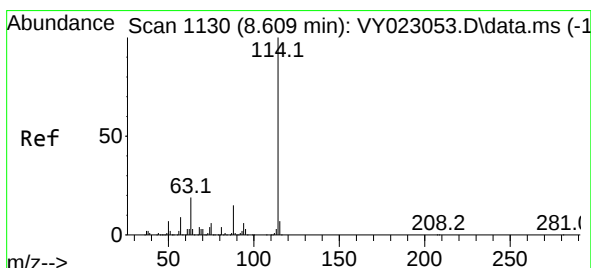
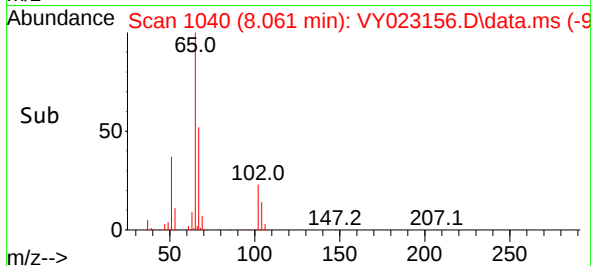
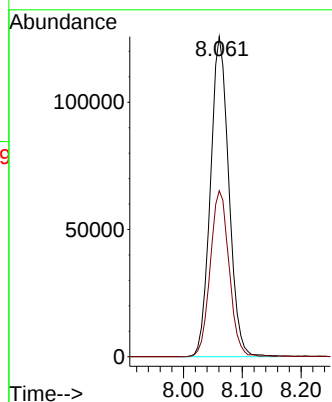
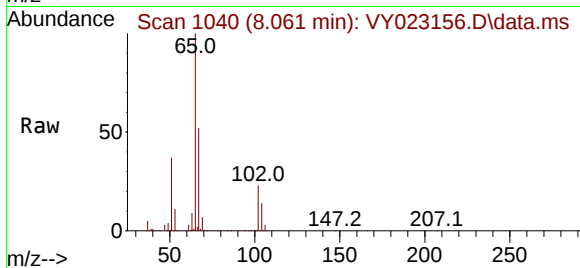
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion: 65 Resp: 273689

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023156.D

Acq: 19 Aug 2025 17:12

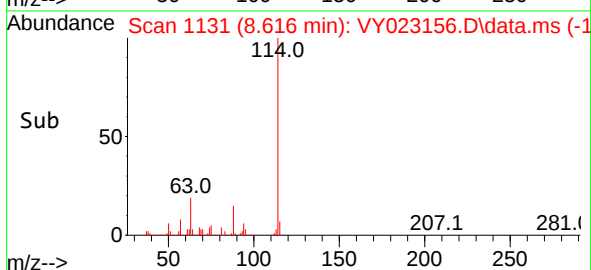
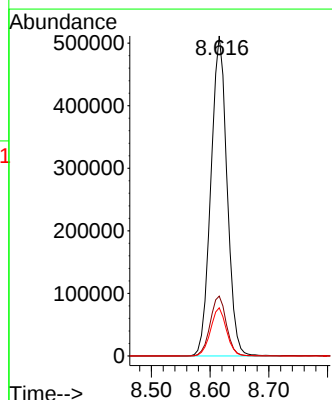
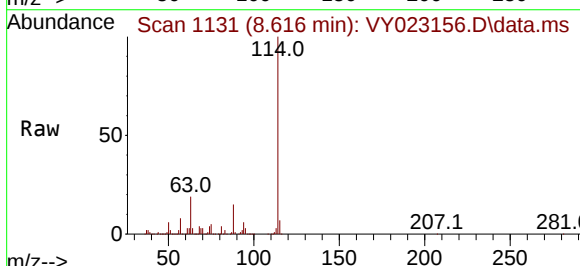
Tgt Ion: 114 Resp: 976443

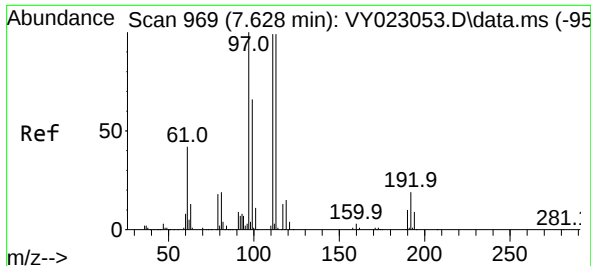
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.1 0.0 30.0

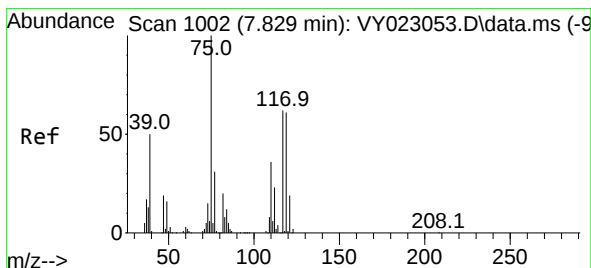
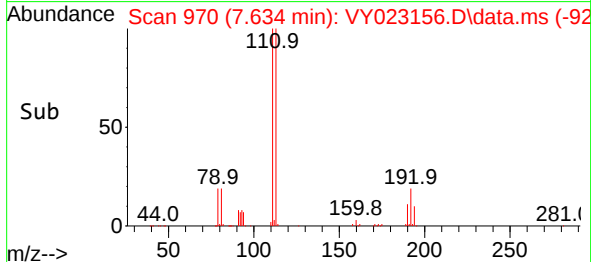
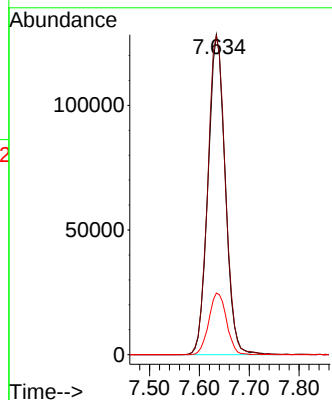
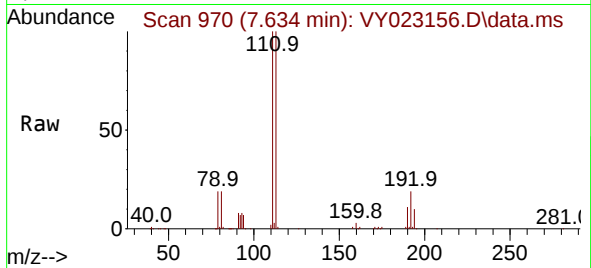




#35
Dibromofluoromethane
Concen: 52.643 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

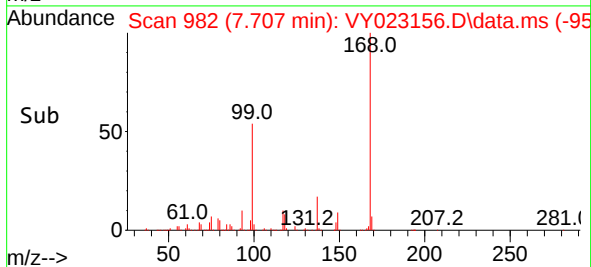
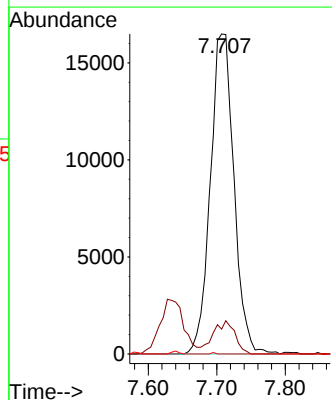
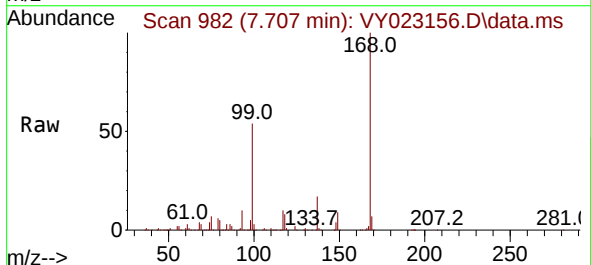
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

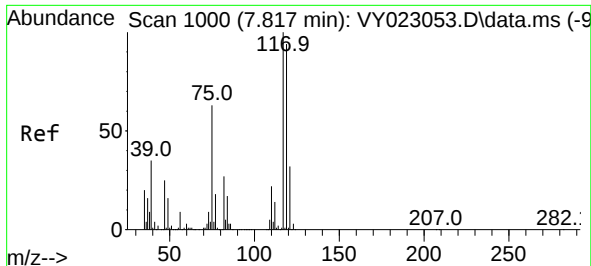
Tgt Ion:113 Resp: 307577
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.541 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 75 Resp: 39427
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.1 24.6 37.0#

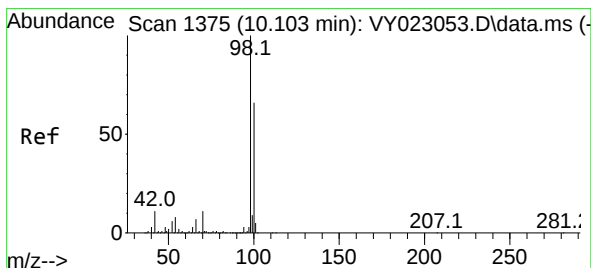
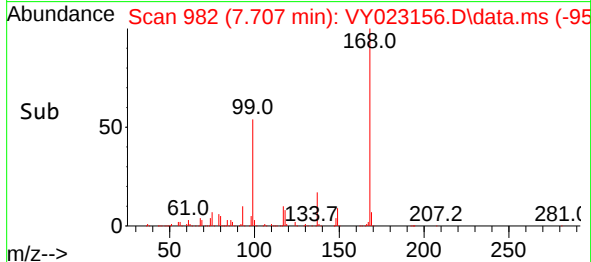
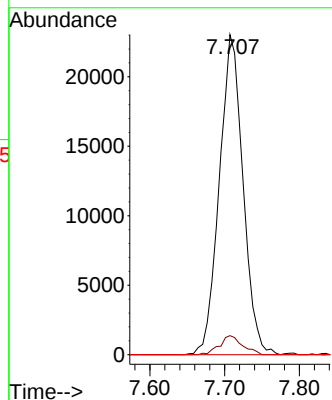
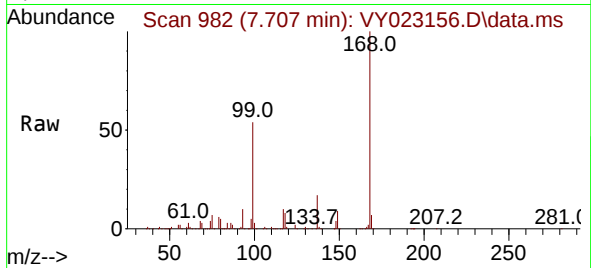




#38
Carbon Tetrachloride
Concen: 5.377 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

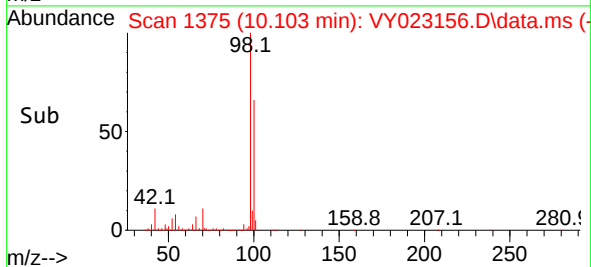
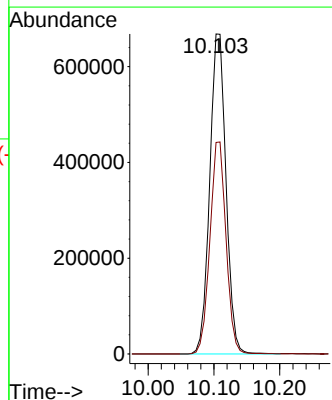
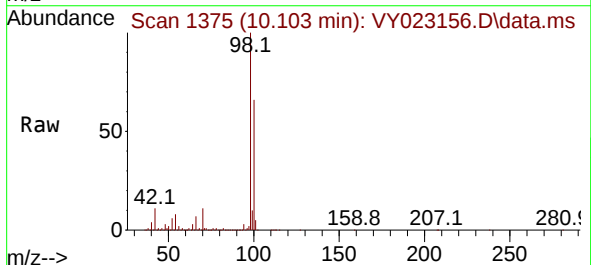
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

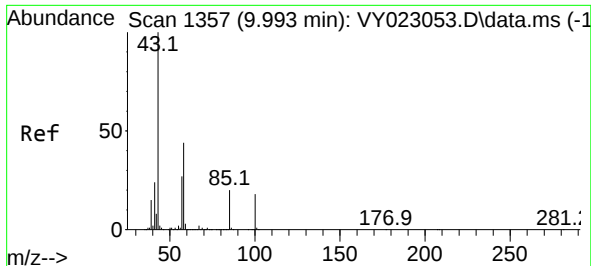
Tgt Ion:117 Resp: 50709
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.414 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 98 Resp: 1150699
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.202 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY023156.D

Acq: 19 Aug 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

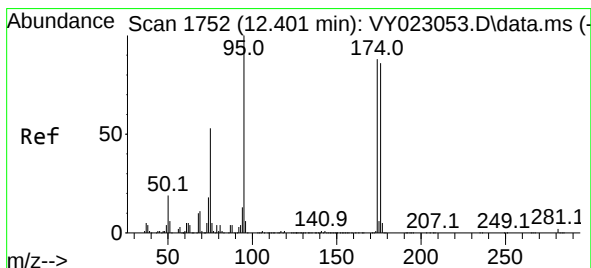
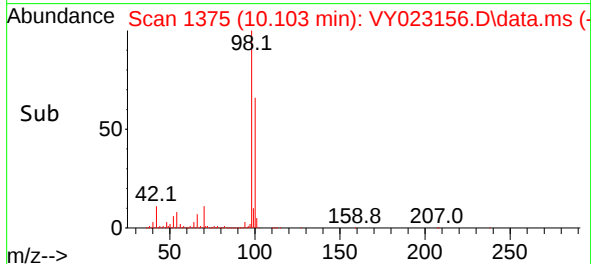
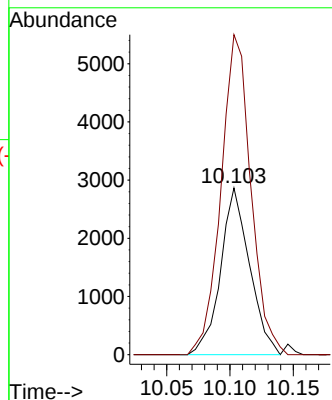
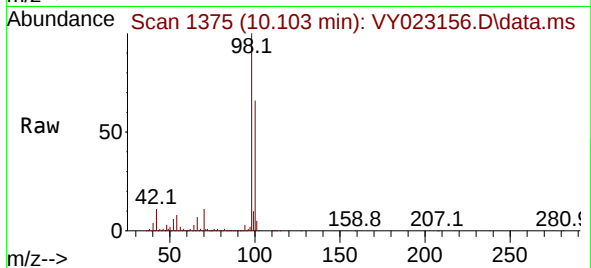
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion: 43 Resp: 4571

Ion Ratio Lower Upper

43 100

58 197.7 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 38.147 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023156.D

Acq: 19 Aug 2025 17:12

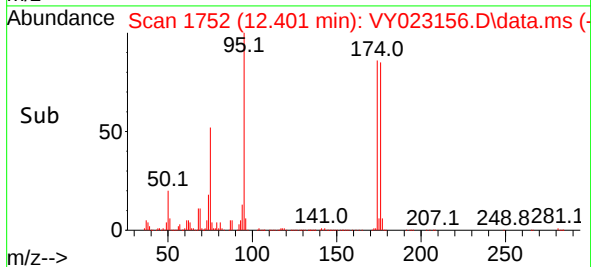
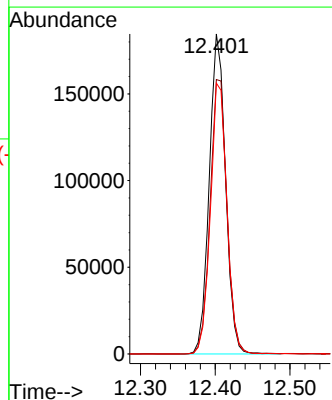
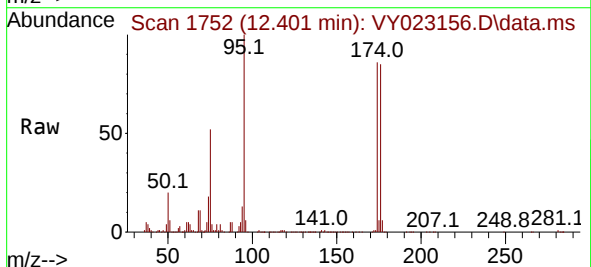
Tgt Ion: 95 Resp: 280017

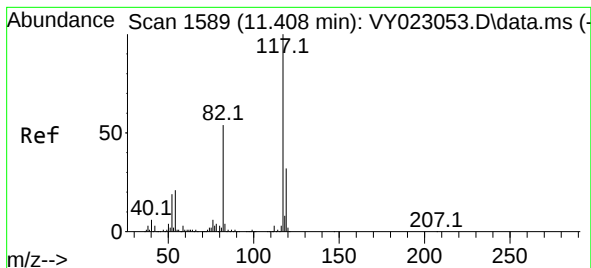
Ion Ratio Lower Upper

95 100

174 88.8 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: VY023156.D

Acq: 19 Aug 2025 17:12

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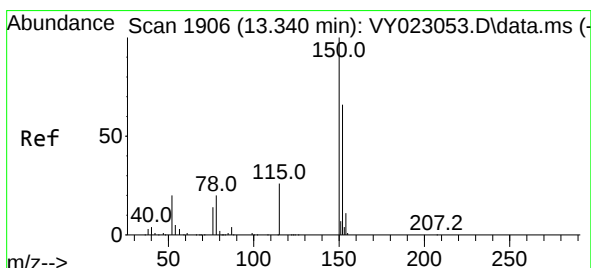
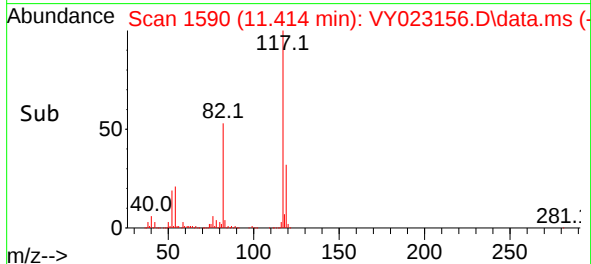
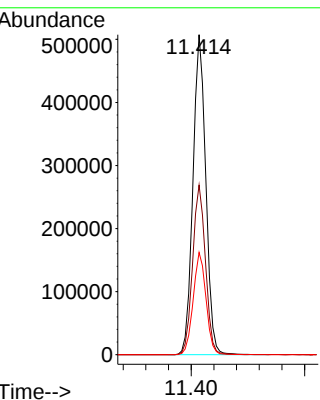
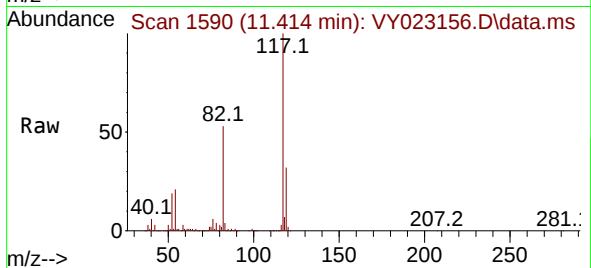
Tgt Ion:117 Resp: 798419

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023156.D

Acq: 19 Aug 2025 17:12

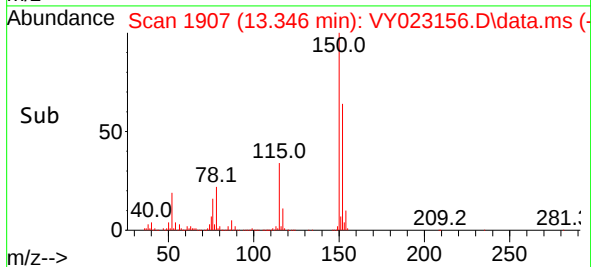
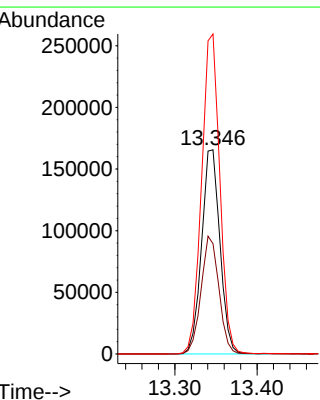
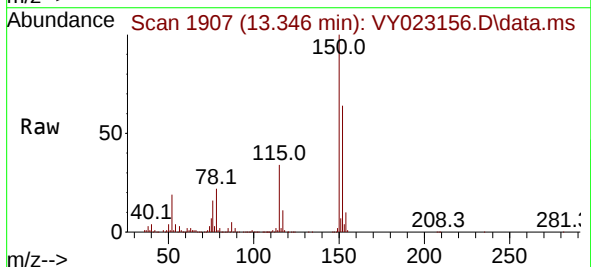
Tgt Ion:152 Resp: 256755

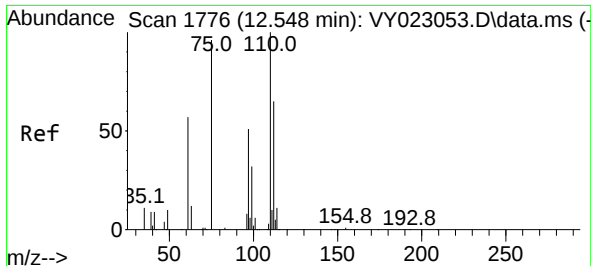
Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 155.5 0.0 348.0

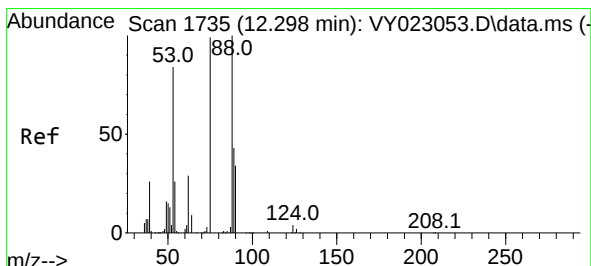
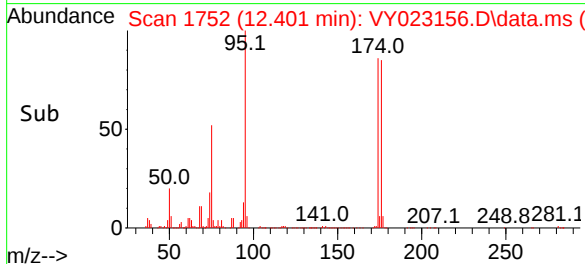
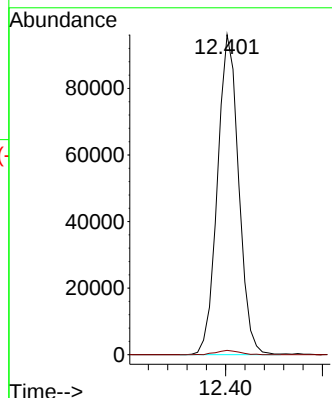
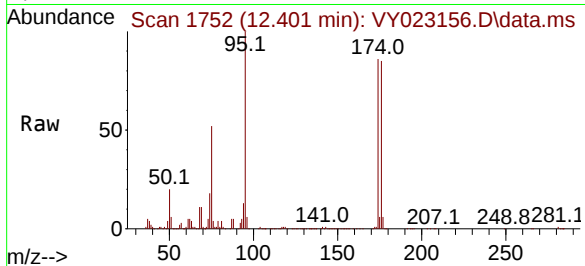




#76
1,2,3-Trichloropropane
Concen: 59.102 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion: 75 Resp: 146452
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.067 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 75 Resp: 146452
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

