

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023155.D
 Acq On : 19 Aug 2025 16:49
 Operator : SY/MD
 Sample : Q2879-15
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 20 01:32:50 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)

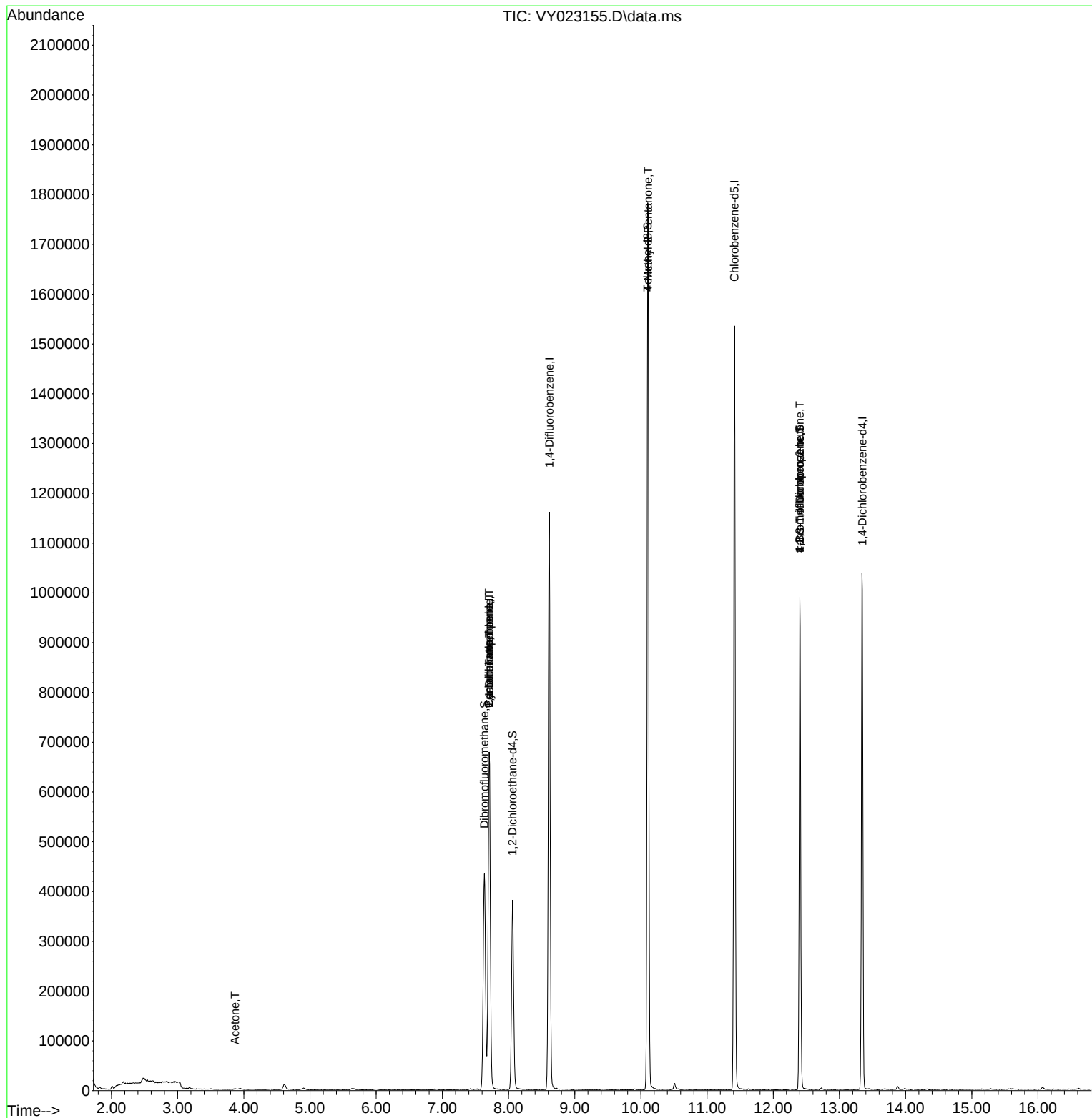
Internal Standards						
1) Pentafluorobenzene	7.707	168	534898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1003619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	823009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	270615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	289889	56.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.720%	
35) Dibromofluoromethane	7.634	113	316825	52.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.520%	
50) Toluene-d8	10.103	98	1188515	50.661	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	12.401	95	294135	38.985	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	2075	1.879	ug/l #	69
20) Methylene Chloride	4.610	84	7371	Below Cal		92
31) Cyclohexane	7.707	56	10799	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41499	4.650	ug/l #	49
38) Carbon Tetrachloride	7.707	117	53199	5.488	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	4981	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	151578	58.038	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	151578	140.490	ug/l #	14

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

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OU4-TS-GRILLO-TSCP10-081425

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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

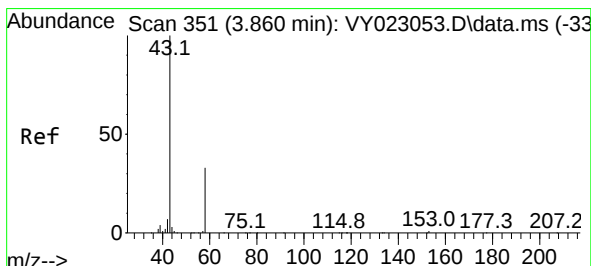
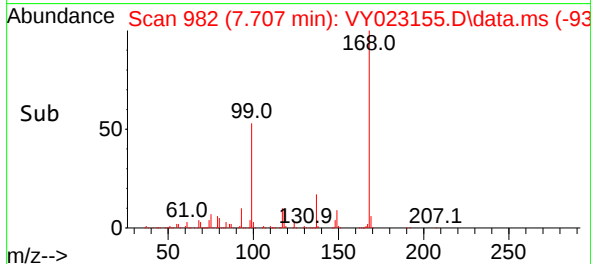
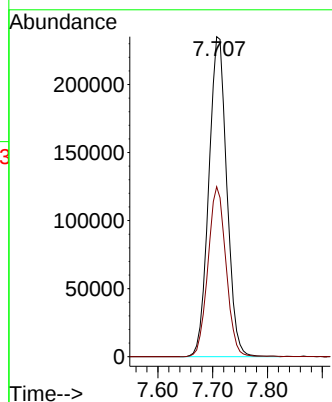
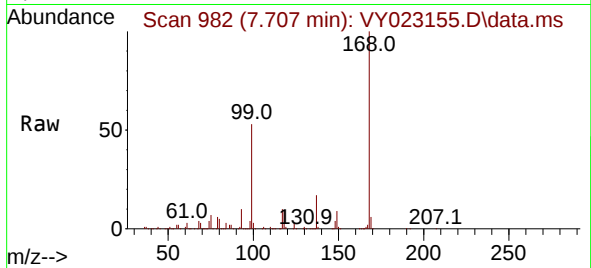




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

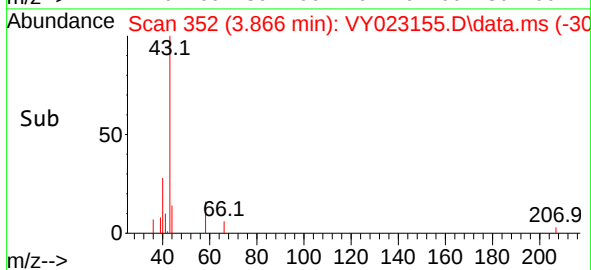
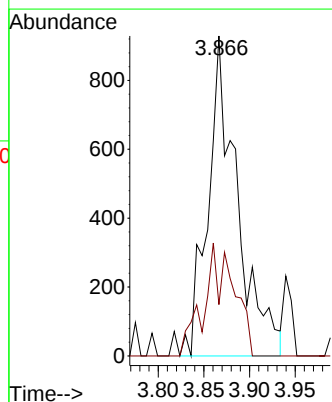
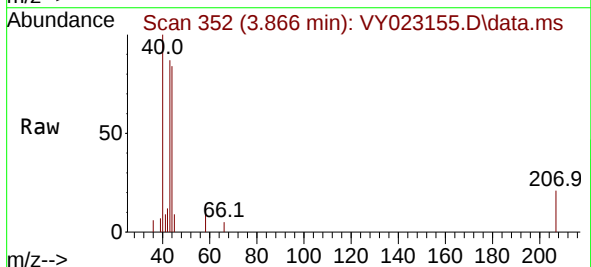
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

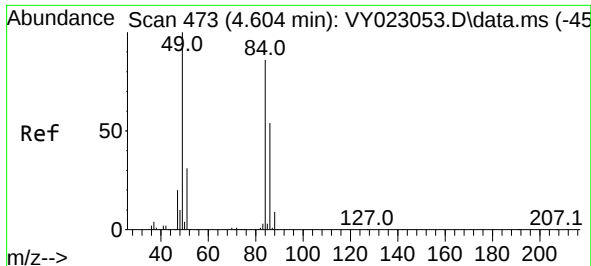
Tgt Ion:168 Resp: 534898
Ion Ratio Lower Upper
168 100
99 53.1 42.8 64.2



#16
Acetone
Concen: 1.879 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion: 43 Resp: 2075
Ion Ratio Lower Upper
43 100
58 16.0 27.1 40.7#

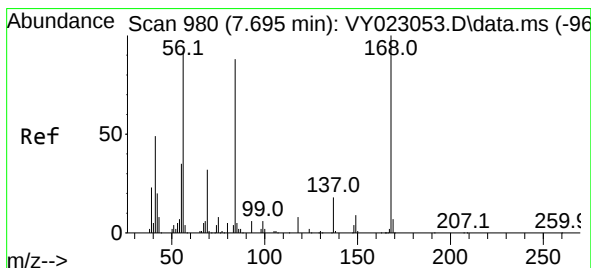
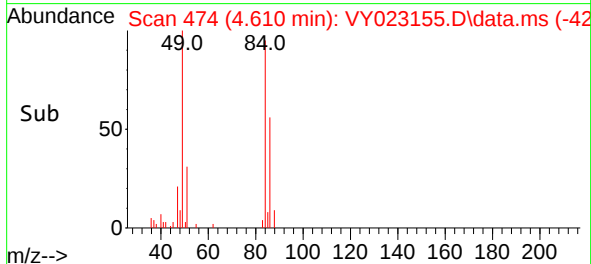
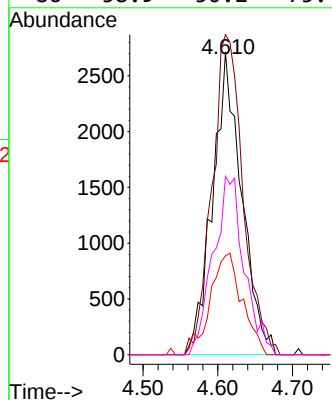
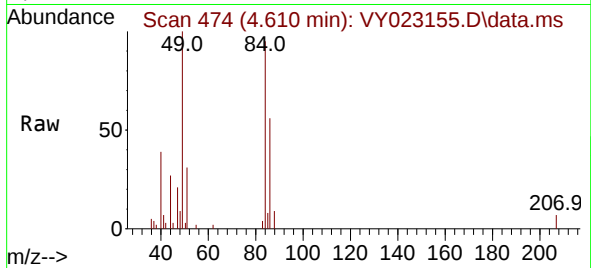




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

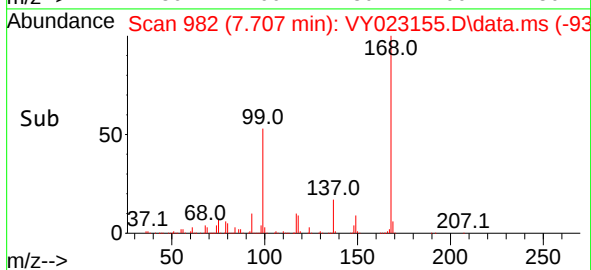
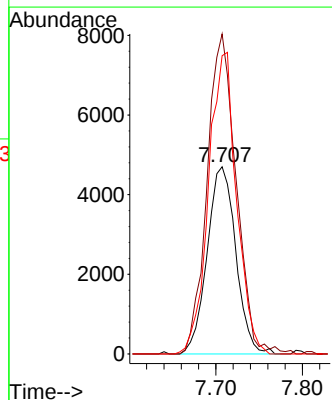
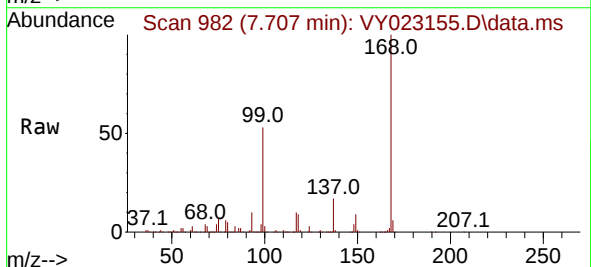
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:	84	Resp:	7371
Ion	Ratio	Lower	Upper
84	100		
49	105.6	93.0	139.6
51	32.7	29.0	43.4
86	58.9	50.2	75.4



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion:	56	Resp:	10799
Ion	Ratio	Lower	Upper
56	100		
69	170.9	28.2	42.2#
84	159.2	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.864 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023155.D

Acq: 19 Aug 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

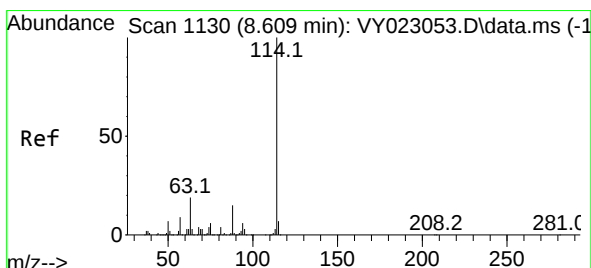
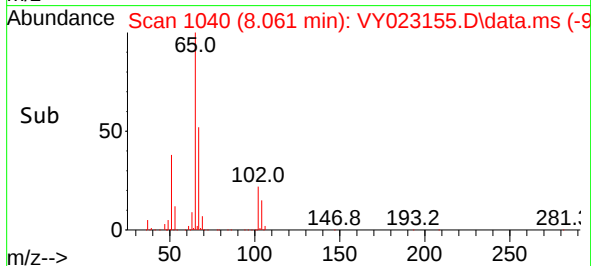
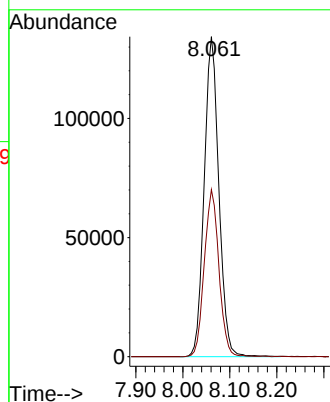
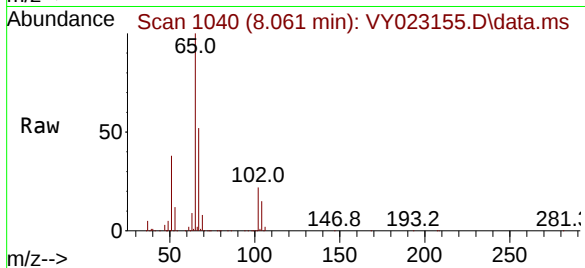
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion: 65 Resp: 289889

Ion Ratio Lower Upper

65 100

67 52.2 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: VY023155.D

Acq: 19 Aug 2025 16:49

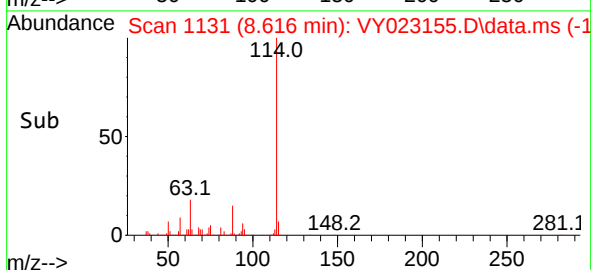
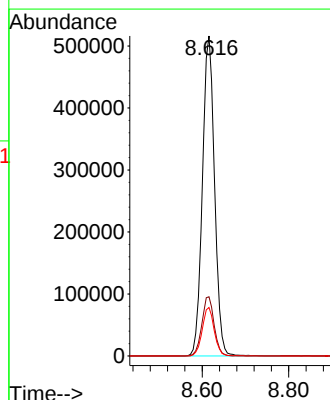
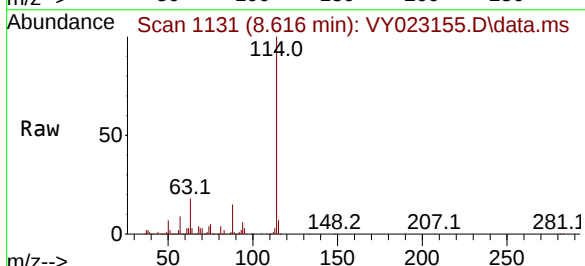
Tgt Ion:114 Resp: 1003619

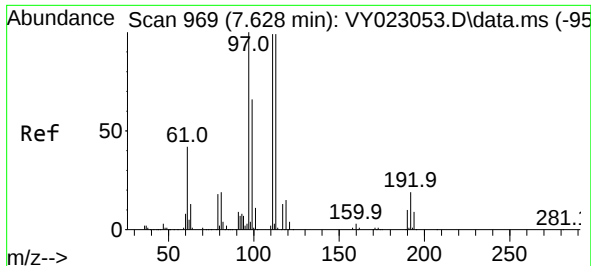
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.2 0.0 30.0

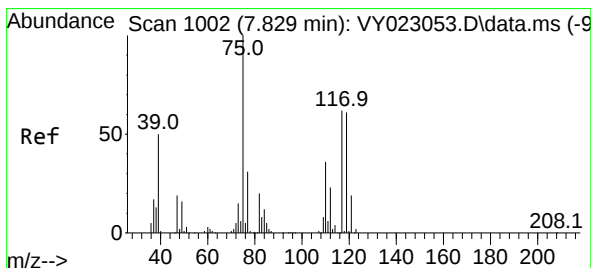
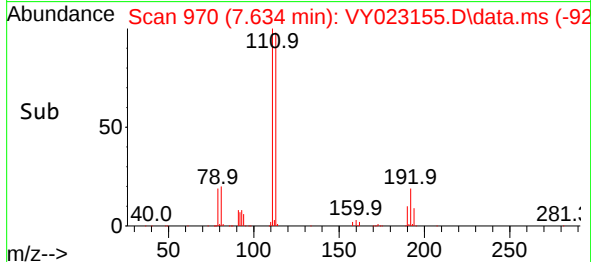
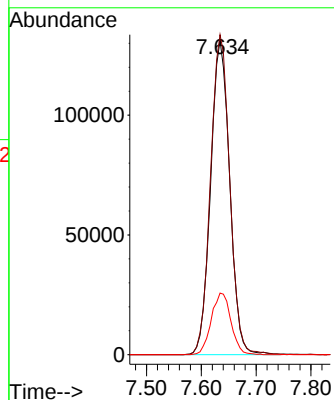
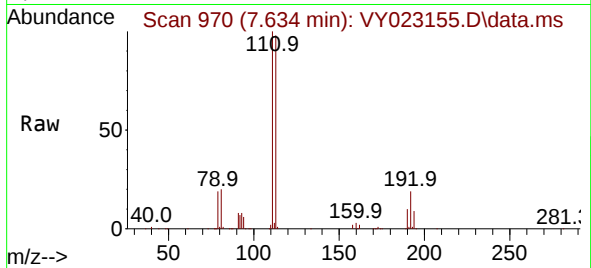




#35
Dibromofluoromethane
Concen: 52.757 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

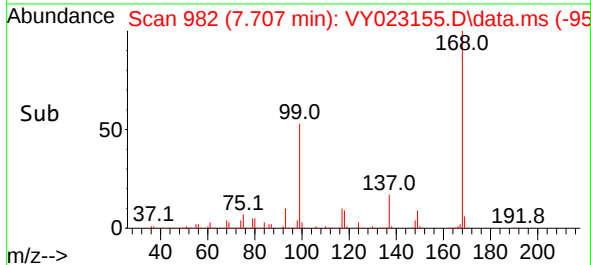
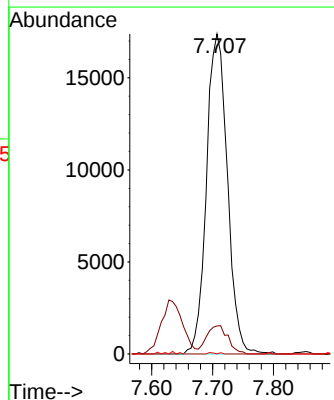
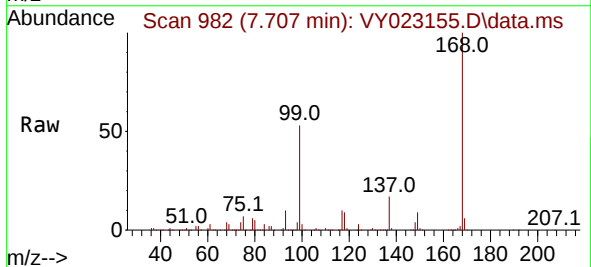
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:113 Resp: 316825
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.650 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

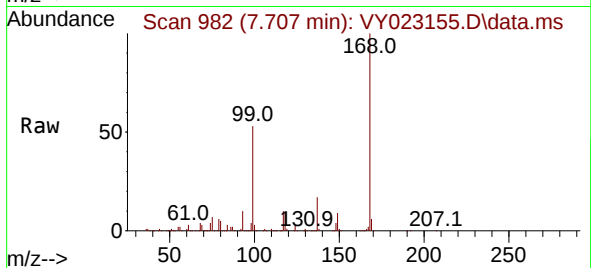
Tgt Ion: 75 Resp: 41499
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.1 24.6 37.0#



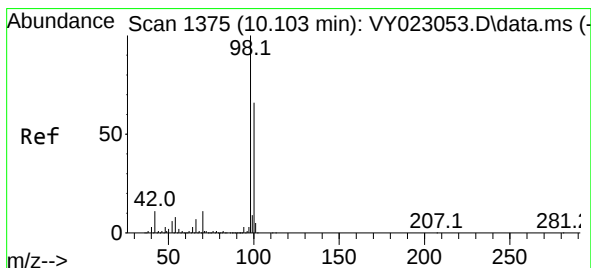
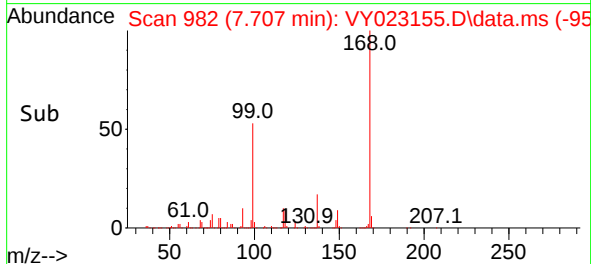
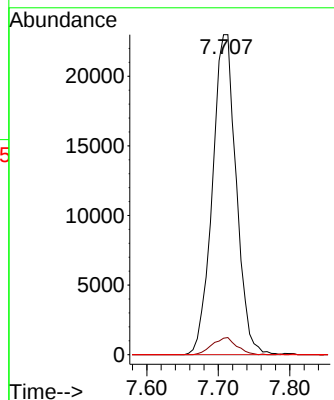


#38
Carbon Tetrachloride
Concen: 5.488 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

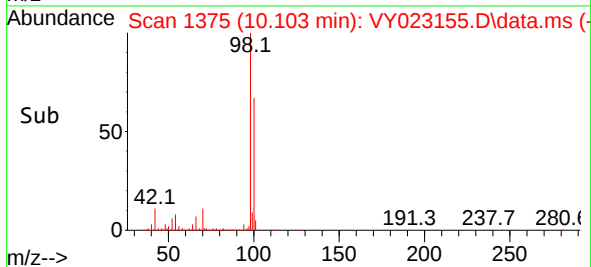
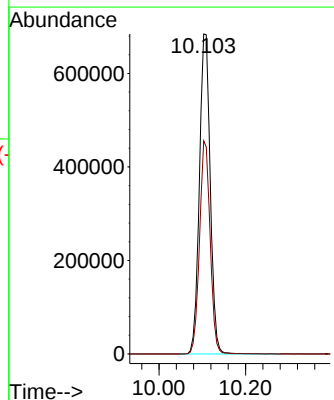
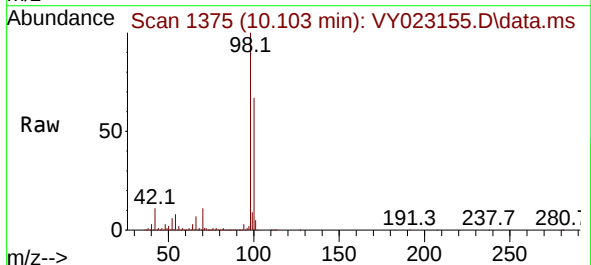


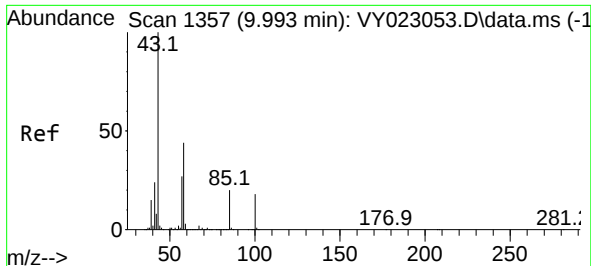
Tgt Ion:117 Resp: 53199
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.661 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion: 98 Resp: 1188515
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.274 ug/l

RT: 10.109 min Scan# 1357

Delta R.T. 0.116 min

Lab File: VY023155.D

Acq: 19 Aug 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

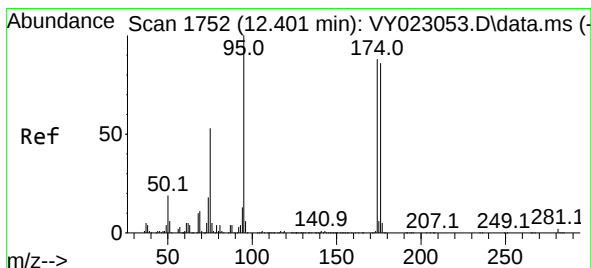
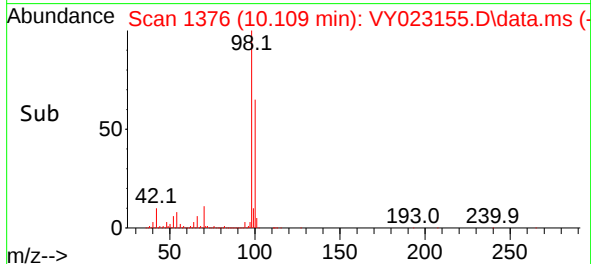
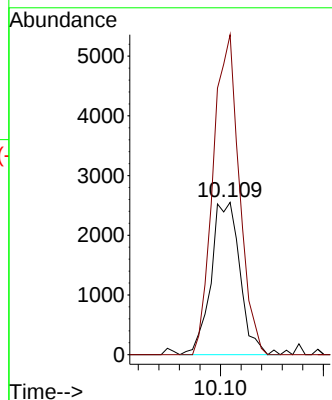
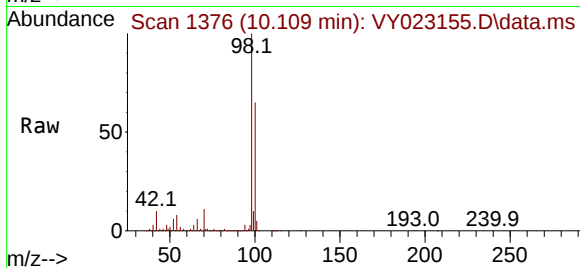
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion: 43 Resp: 4981

Ion Ratio Lower Upper

43 100

58 190.2 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 38.985 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023155.D

Acq: 19 Aug 2025 16:49

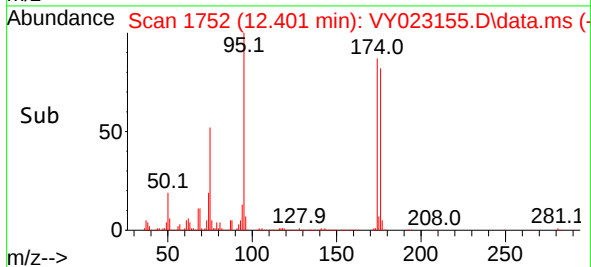
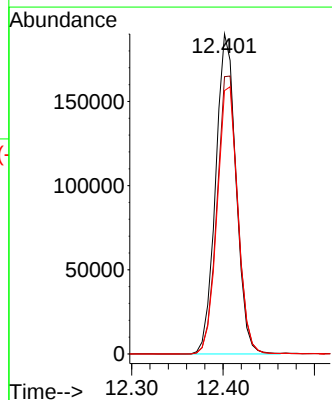
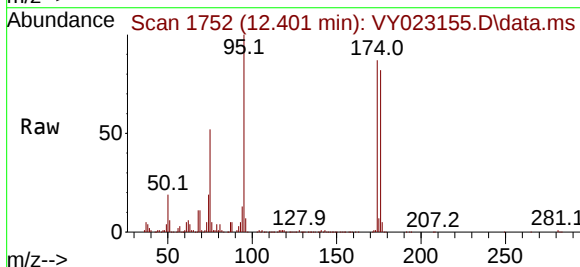
Tgt Ion: 95 Resp: 294135

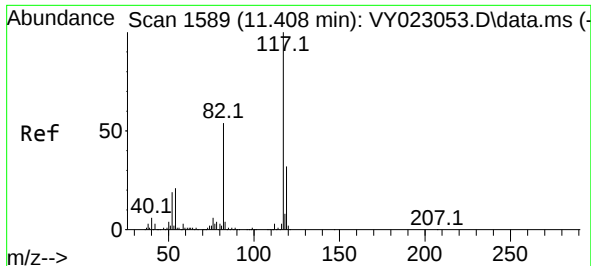
Ion Ratio Lower Upper

95 100

174 88.4 0.0 171.6

176 85.0 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: VY023155.D

Acq: 19 Aug 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425

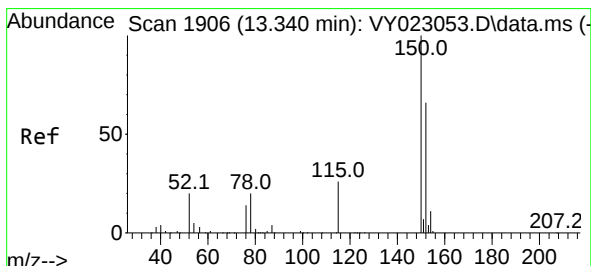
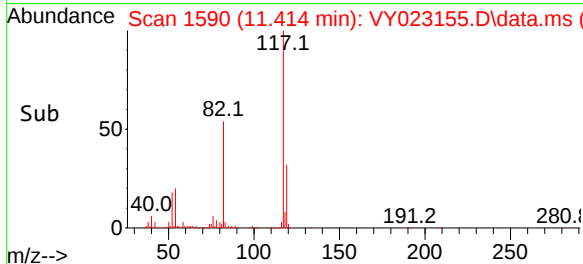
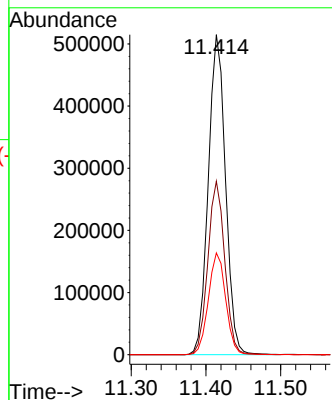
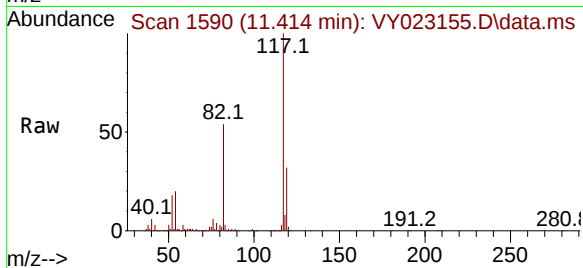
Tgt Ion:117 Resp: 823009

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 31.8 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: VY023155.D

Acq: 19 Aug 2025 16:49

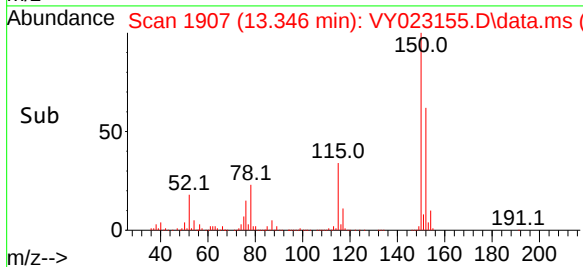
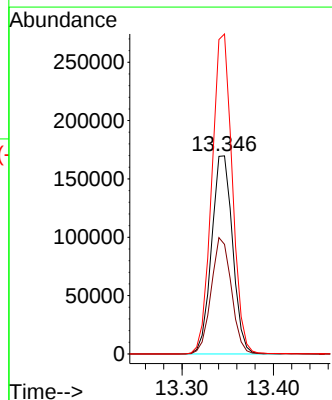
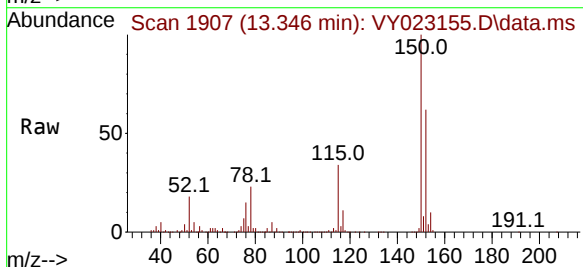
Tgt Ion:152 Resp: 270615

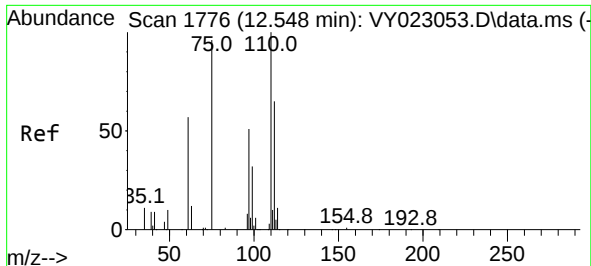
Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 157.4 0.0 348.0

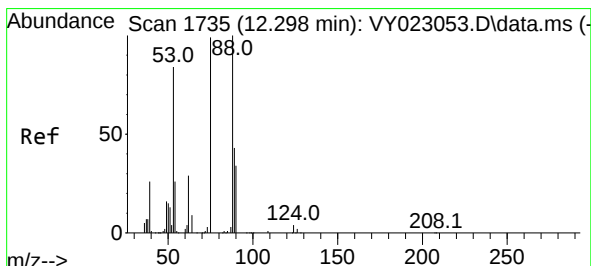
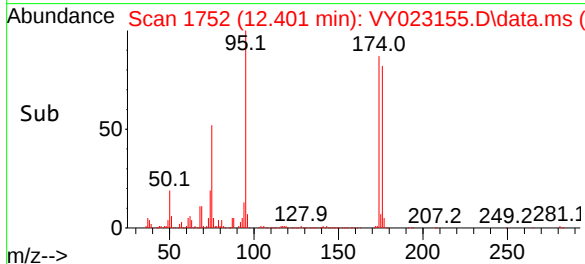
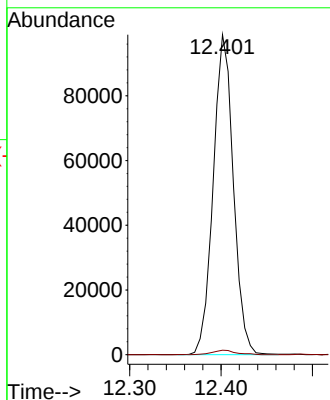
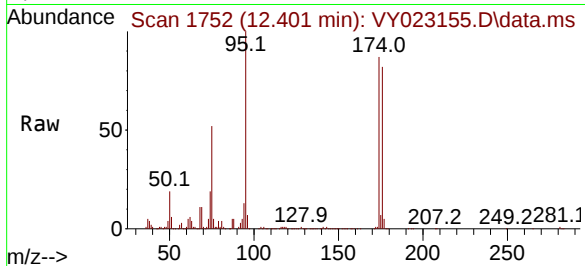




#76
1,2,3-Trichloropropane
Concen: 58.038 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion: 75 Resp: 151578
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.490 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion: 75 Resp: 151578
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

