

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023152.D
 Acq On : 19 Aug 2025 15:38
 Operator : SY/MD
 Sample : Q2879-09
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 20 01:31:39 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)

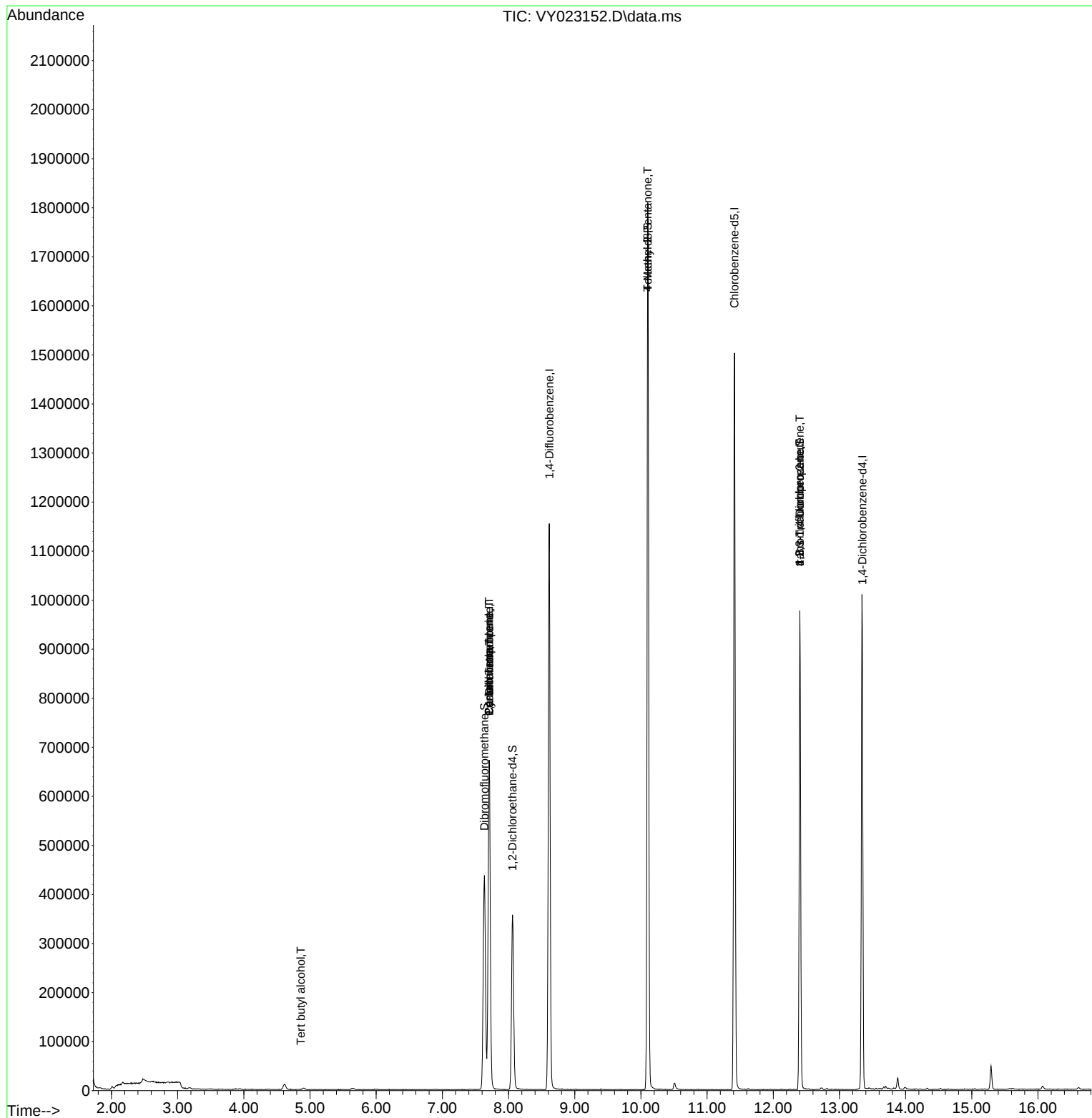
Internal Standards						
1) Pentafluorobenzene	7.707	168	526358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	993773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	812813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	259055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	277836	55.384	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.760%			
35) Dibromofluoromethane	7.634	113	315749	53.099	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.200%			
50) Toluene-d8	10.103	98	1162834	50.057	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.401	95	285577	38.226	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.460%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	539	1.568	ug/l #	71
20) Methylene Chloride	4.616	84	7506	Below Cal		94
31) Cyclohexane	7.707	56	10808	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	40274	4.557	ug/l #	50
38) Carbon Tetrachloride	7.707	117	51069	5.321	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4637	1.198	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	149842	59.933	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	149842	145.079	ug/l #	14

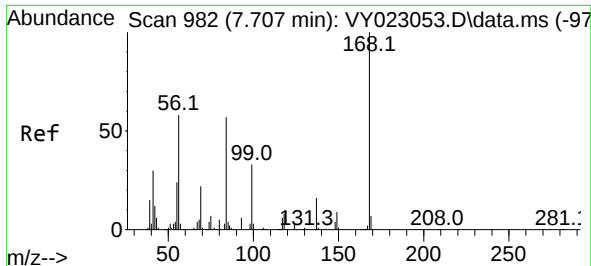
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

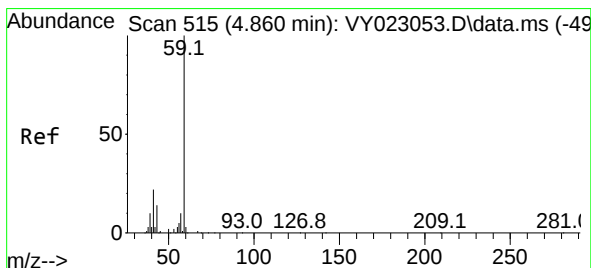
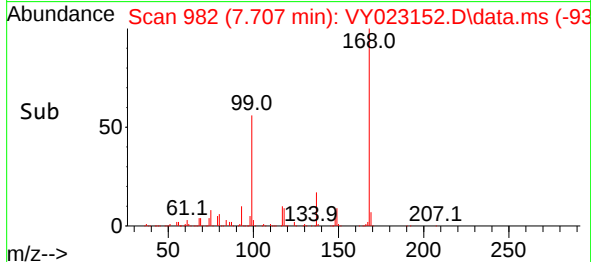
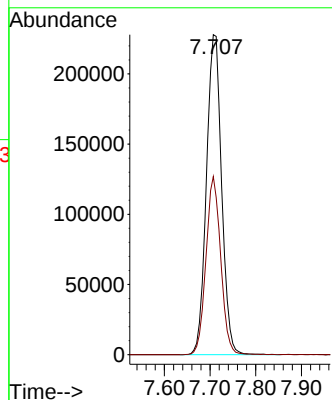
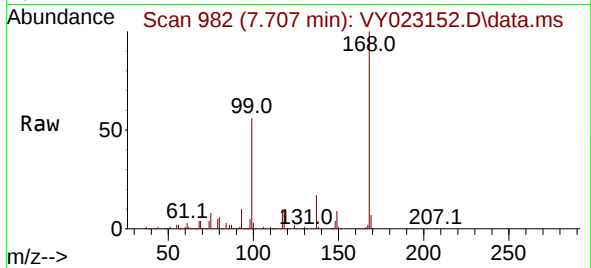




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

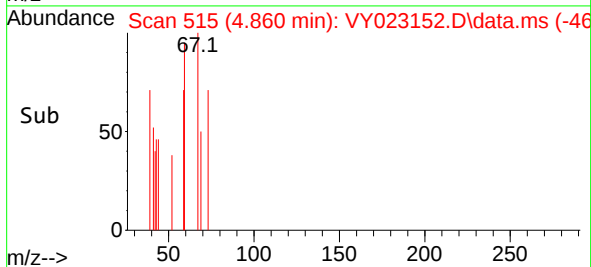
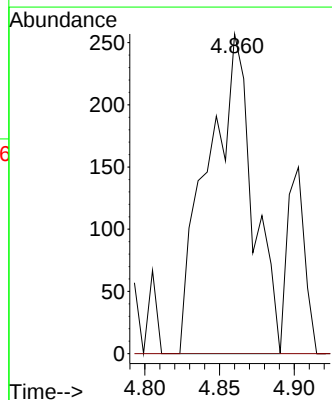
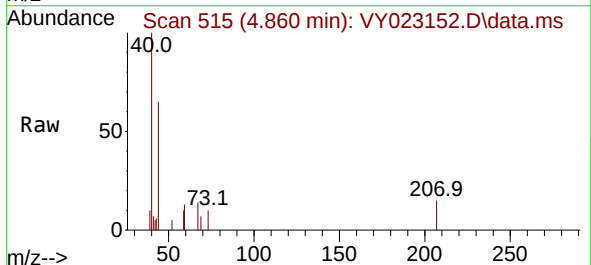
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

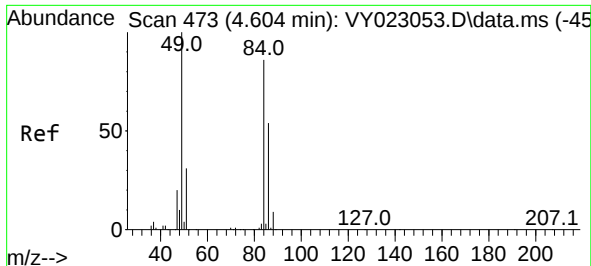
Tgt Ion:168 Resp: 526358
Ion Ratio Lower Upper
168 100
99 55.7 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.568 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion: 59 Resp: 539
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

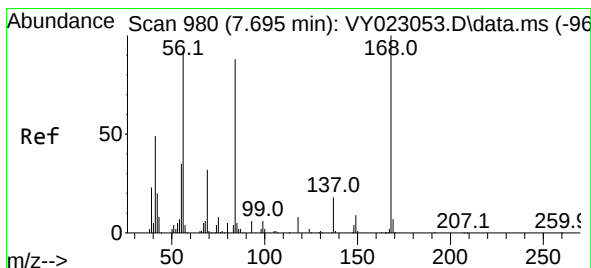
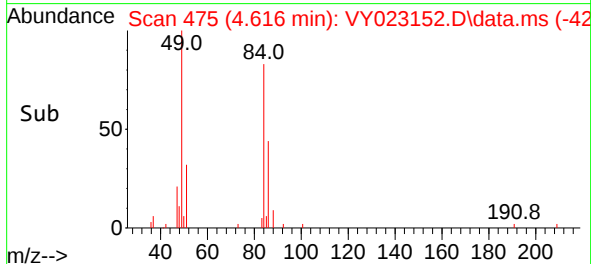
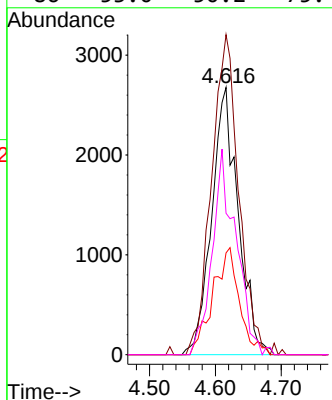
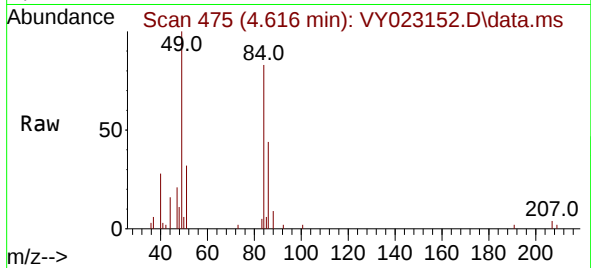




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

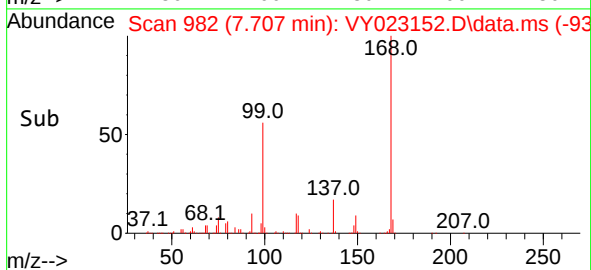
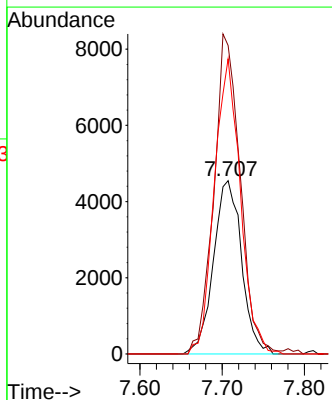
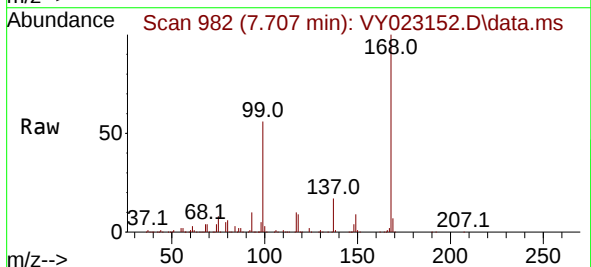
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

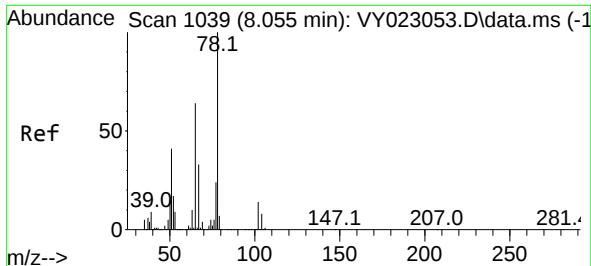
Tgt Ion:	84	Resp:	7506
Ion	Ratio	Lower	Upper
84	100		
49	119.8	93.0	139.6
51	38.1	29.0	43.4
86	53.0	50.2	75.4



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion:	56	Resp:	10808
Ion	Ratio	Lower	Upper
56	100		
69	178.1	28.2	42.2#
84	170.4	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.384 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023152.D

Acq: 19 Aug 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

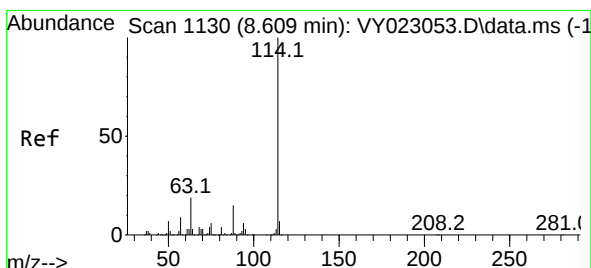
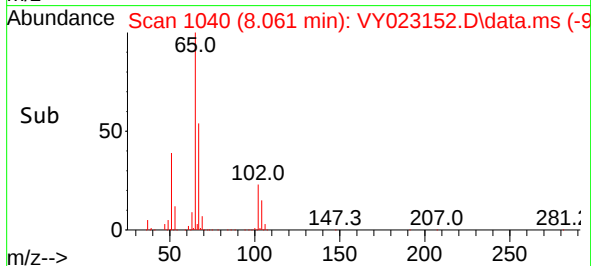
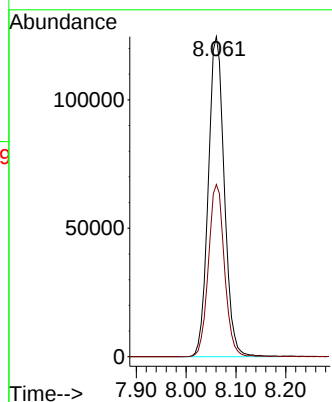
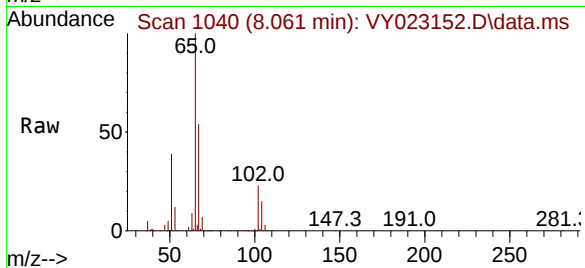
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion: 65 Resp: 277836

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023152.D

Acq: 19 Aug 2025 15:38

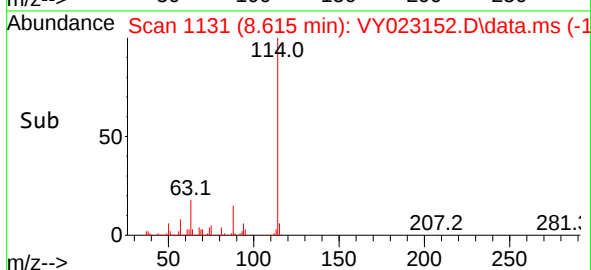
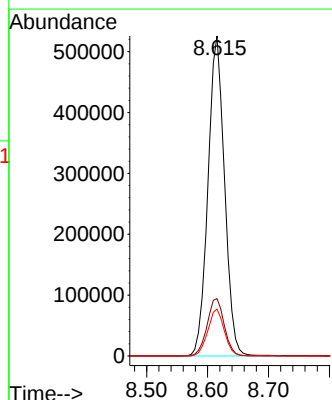
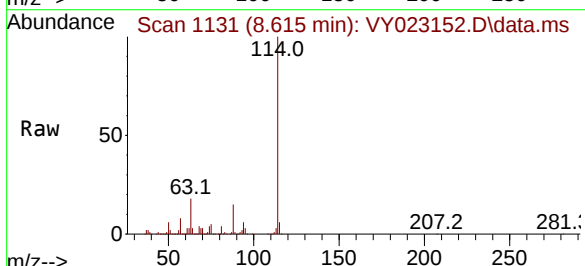
Tgt Ion: 114 Resp: 993773

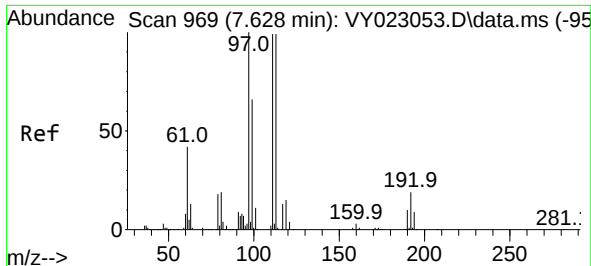
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.7 0.0 30.0

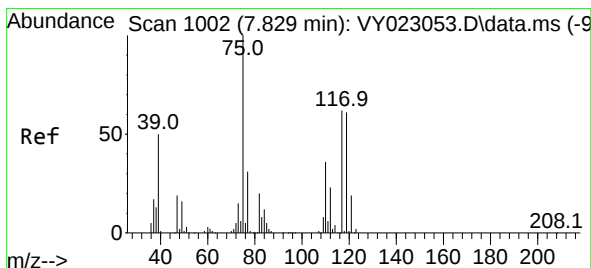
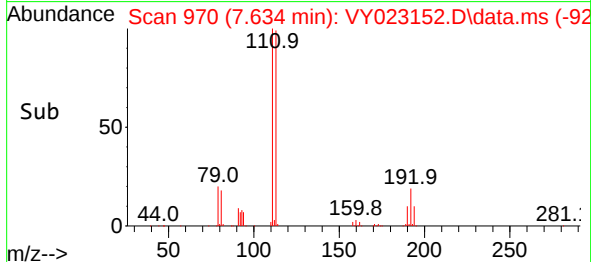
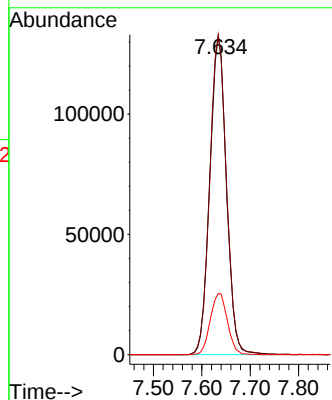
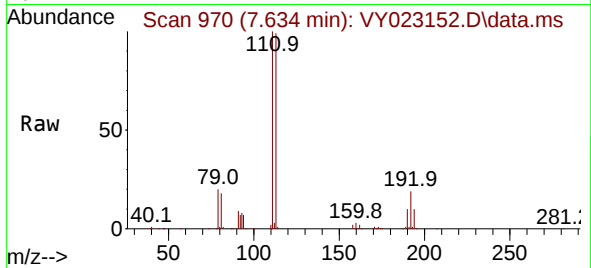




#35
Dibromofluoromethane
Concen: 53.099 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

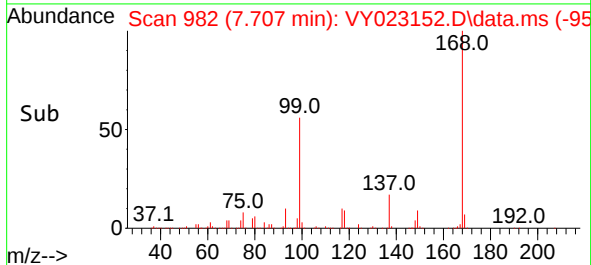
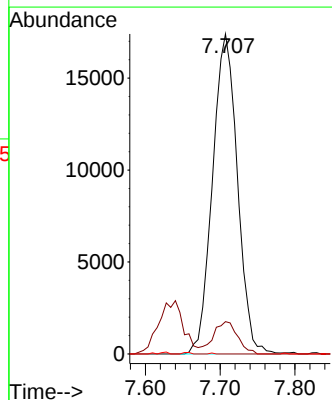
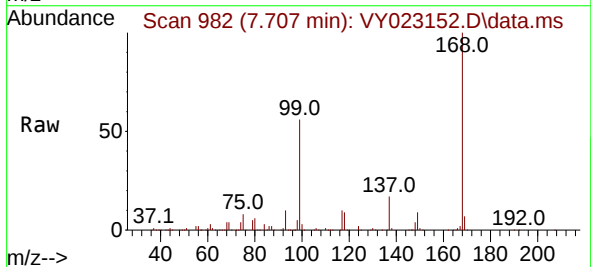
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

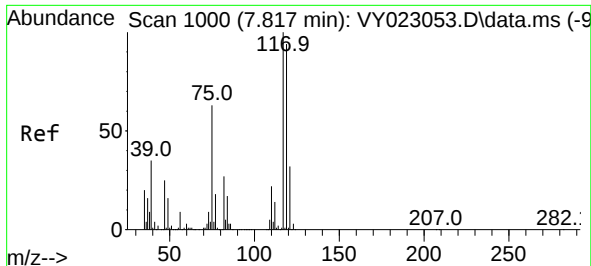
Tgt Ion:113 Resp: 315749
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.557 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion: 75 Resp: 40274
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 24.6 37.0#

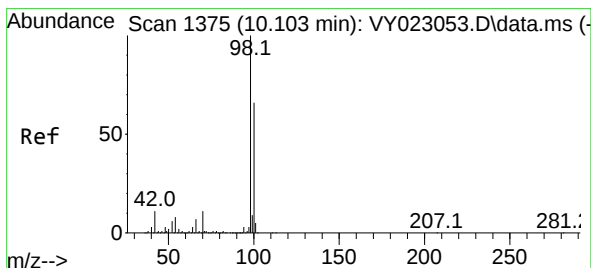
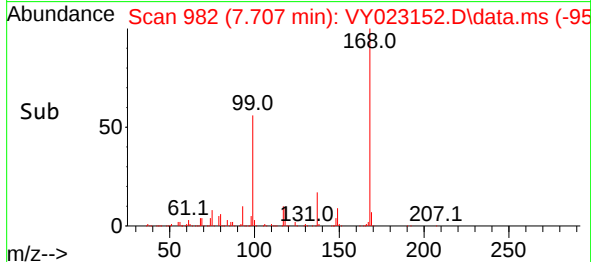
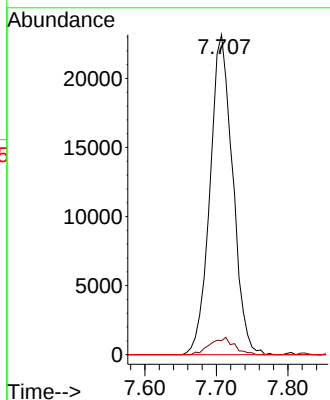
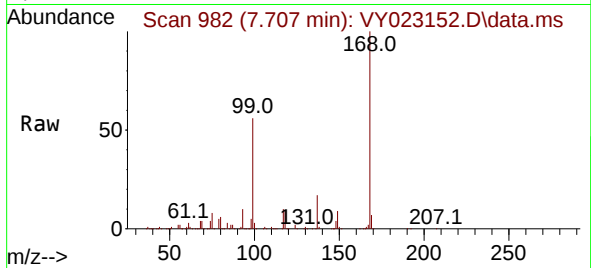




#38
Carbon Tetrachloride
Concen: 5.321 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

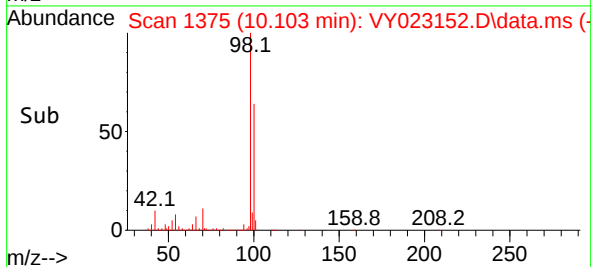
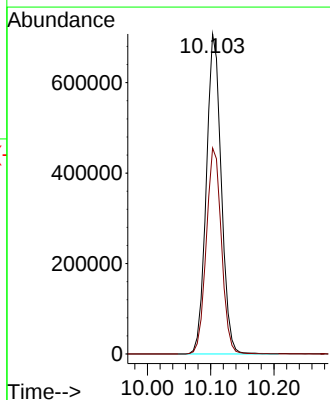
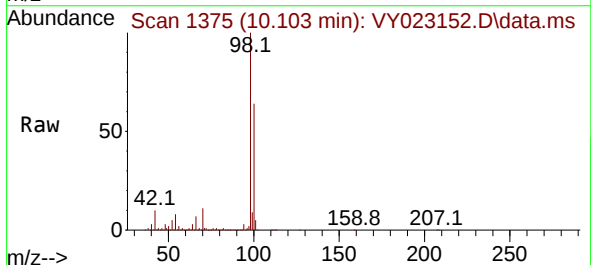
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

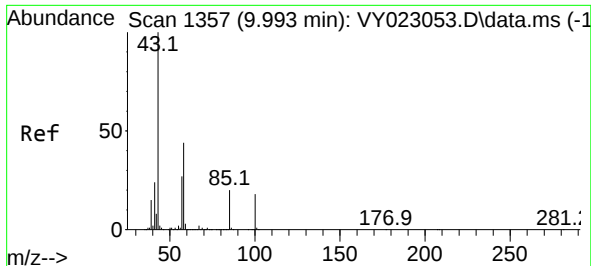
Tgt Ion:117 Resp: 51069
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.057 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion: 98 Resp: 1162834
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.198 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY023152.D

Acq: 19 Aug 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

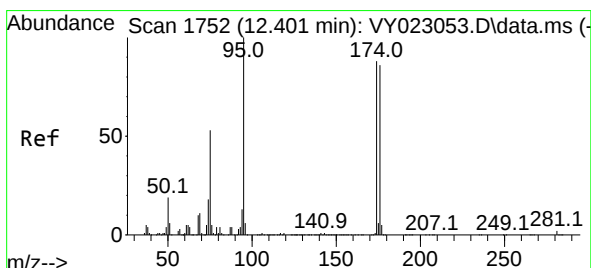
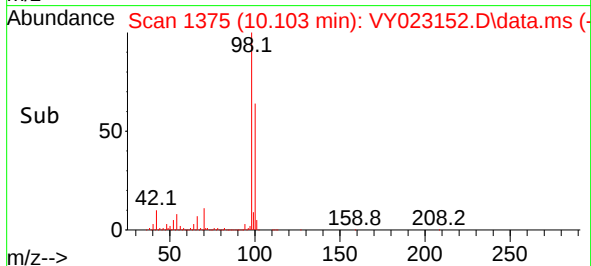
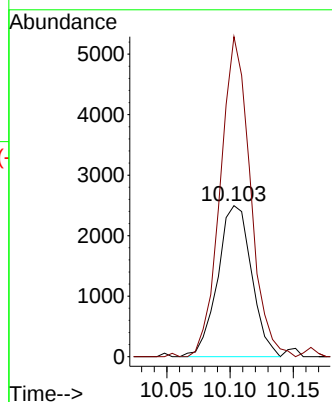
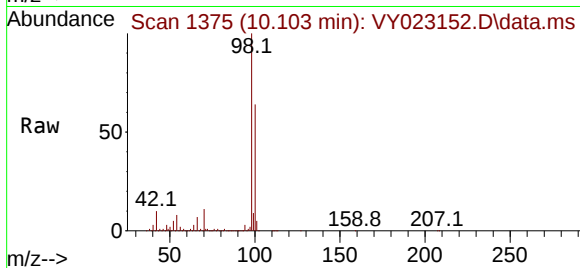
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion: 43 Resp: 4637

Ion Ratio Lower Upper

43 100

58 188.0 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 38.226 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023152.D

Acq: 19 Aug 2025 15:38

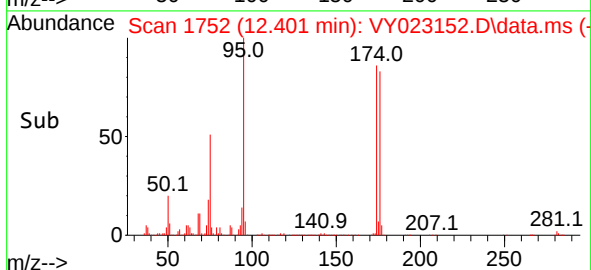
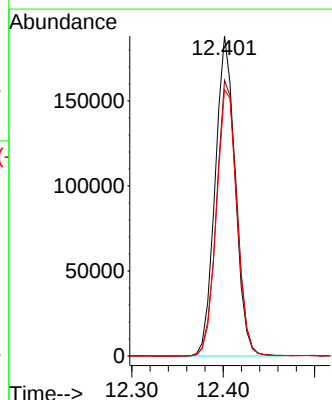
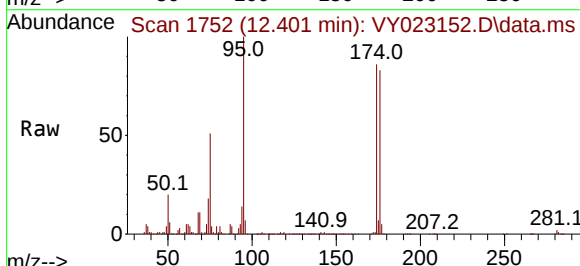
Tgt Ion: 95 Resp: 285577

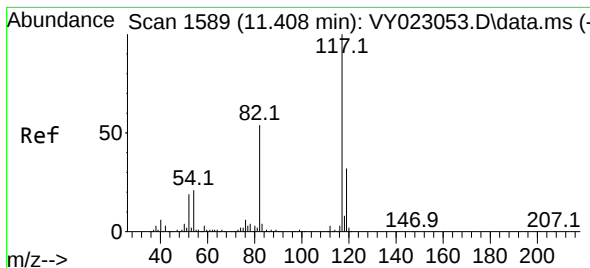
Ion Ratio Lower Upper

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: VY023152.D

Acq: 19 Aug 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

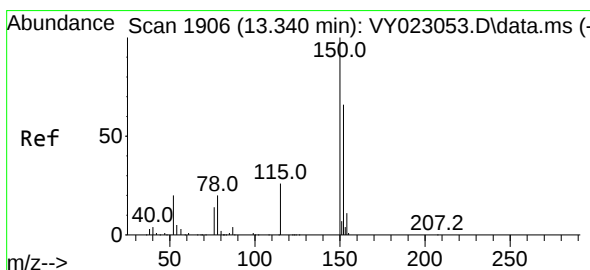
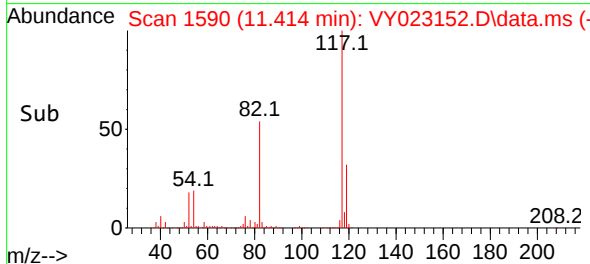
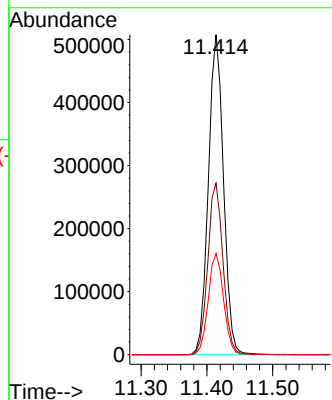
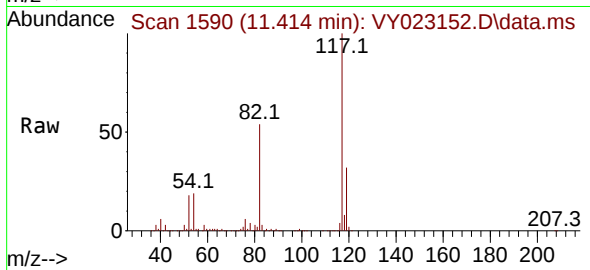
Tgt Ion:117 Resp: 812813

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 31.7 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: VY023152.D

Acq: 19 Aug 2025 15:38

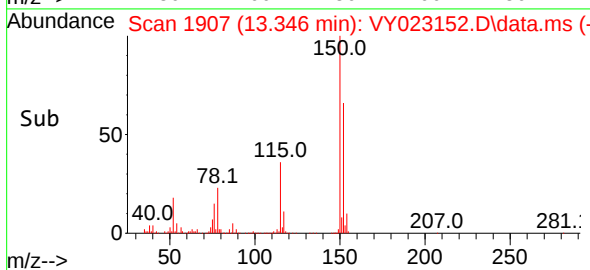
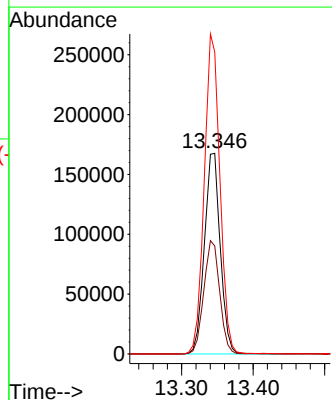
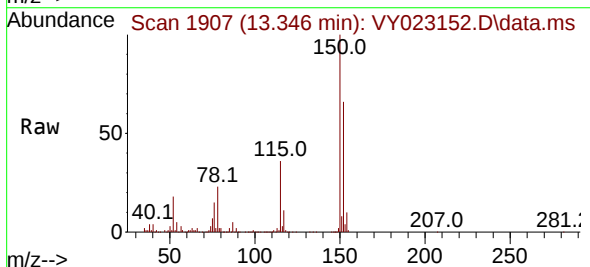
Tgt Ion:152 Resp: 259055

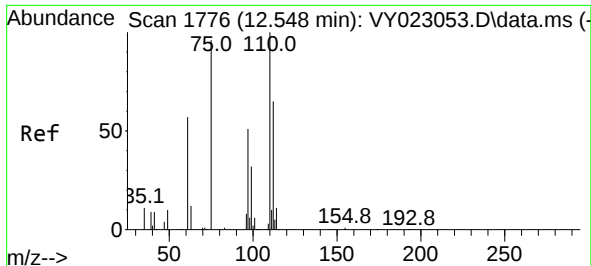
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.5 0.0 348.0

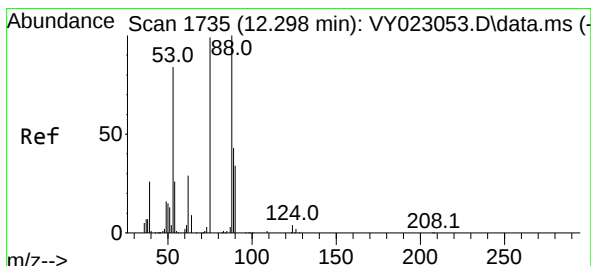
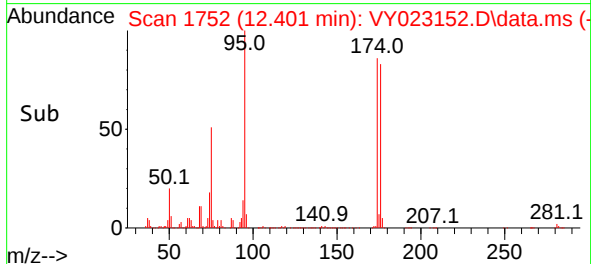
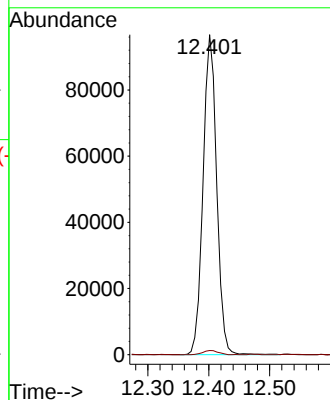
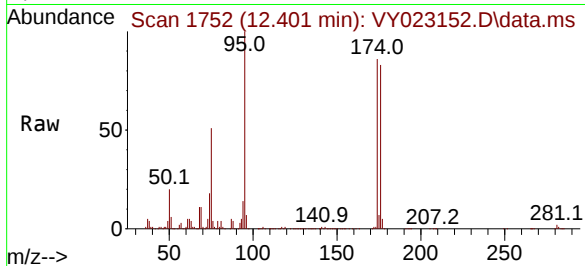




#76
1,2,3-Trichloropropane
Concen: 59.933 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

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

Tgt Ion: 75 Resp: 149842
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.079 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion: 75 Resp: 149842
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

