

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023148.D
 Acq On : 19 Aug 2025 14:04
 Operator : SY/MD
 Sample : Q2879-01
 Misc : 3.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP03-081425

Quant Time: Aug 20 01:29:58 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)

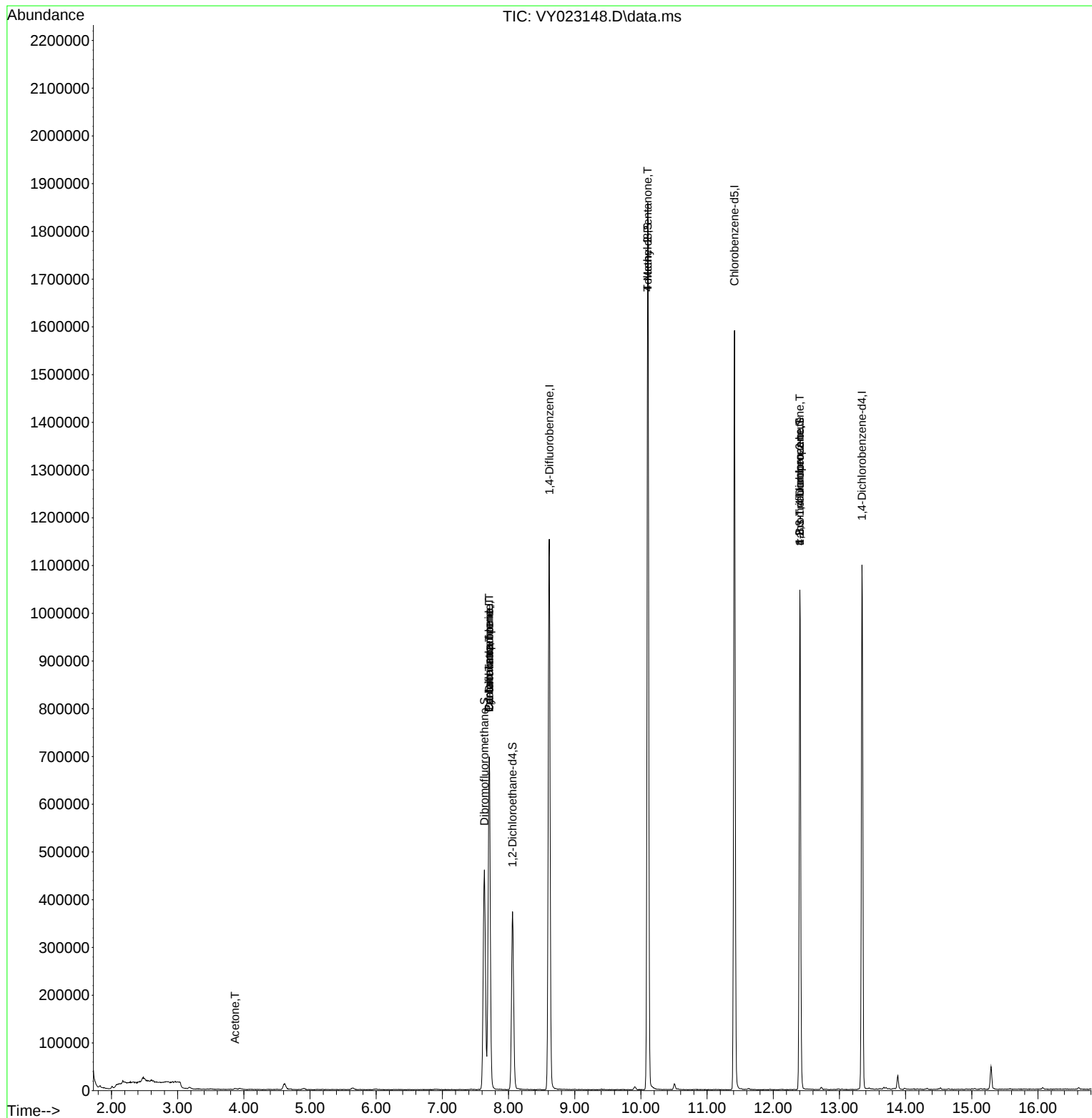
Internal Standards						
1) Pentafluorobenzene	7.707	168	548290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1024796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	847176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	281414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	293584	56.182	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.360%
35) Dibromofluoromethane	7.634	113	327809	53.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.920%
50) Toluene-d8	10.103	98	1206543	50.366	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.402	95	305078	39.600	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.200%
Target Compounds						
16) Acetone	3.867	43	3162	2.793	ug/l #	84
20) Methylene Chloride	4.616	84	8765	Below Cal		92
31) Cyclohexane	7.707	56	11137	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41246	4.526	ug/l #	49
38) Carbon Tetrachloride	7.707	117	53610	5.416	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4807	1.204	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	157471	57.980	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	157471	140.352	ug/l #	14

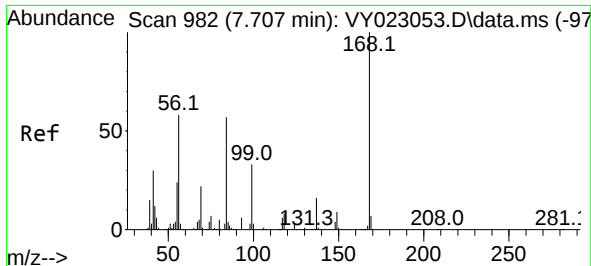
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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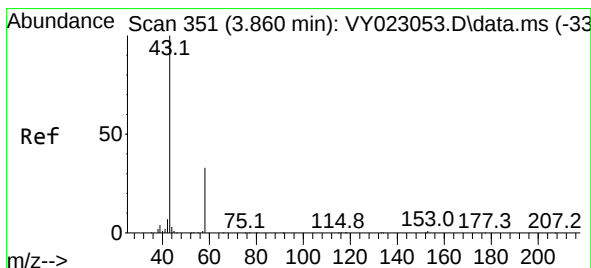
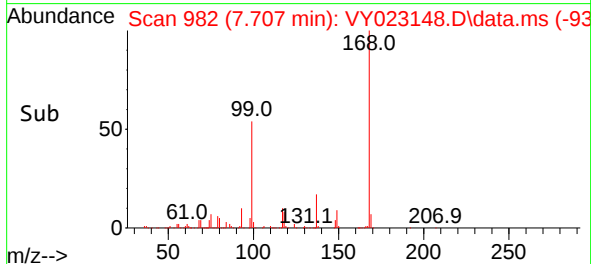
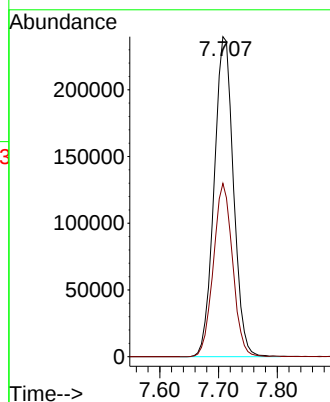
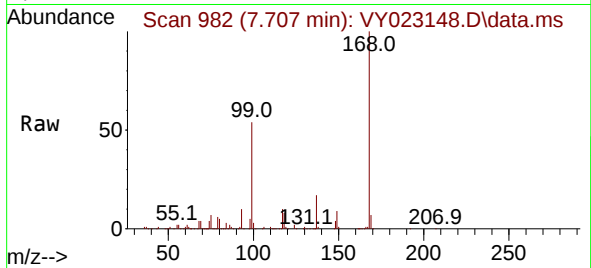




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

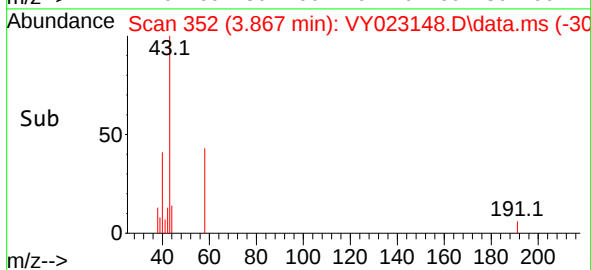
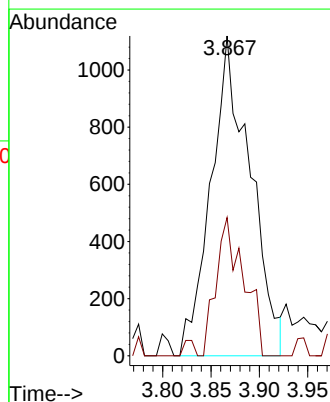
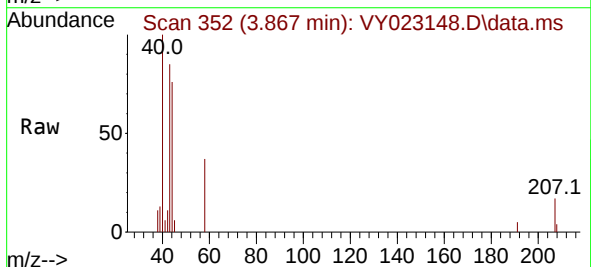
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

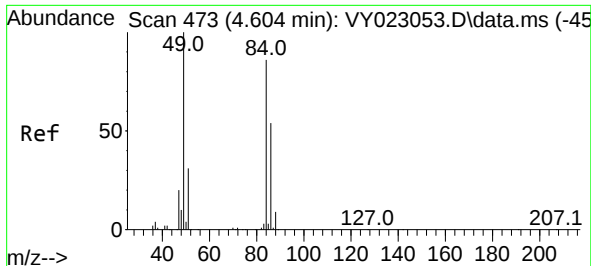
Tgt Ion:168 Resp: 548290
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2



#16
Acetone
Concen: 2.793 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
58 43.3 27.1 40.7#

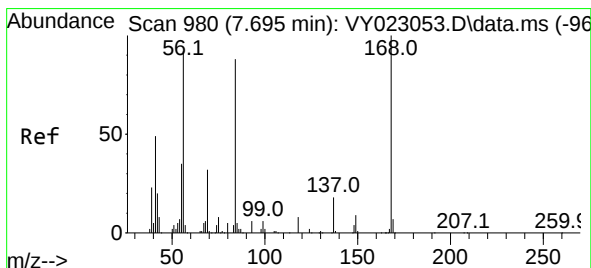
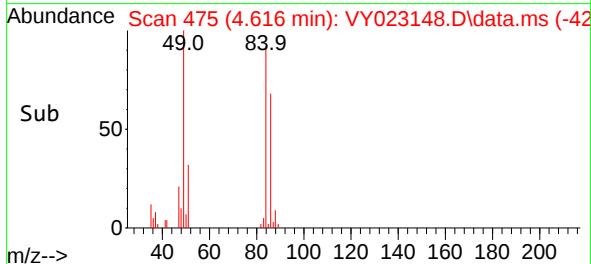
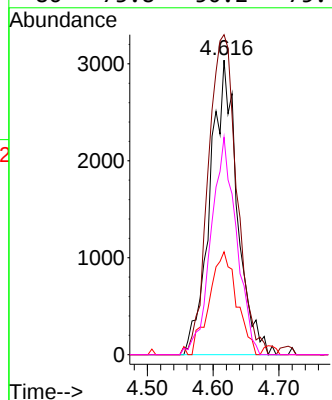
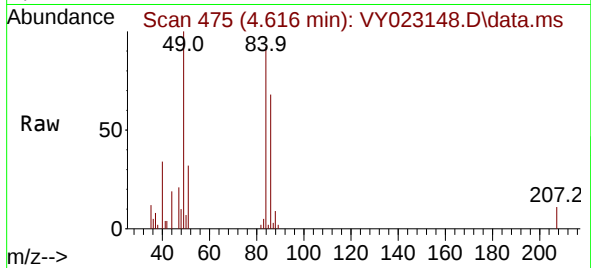




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

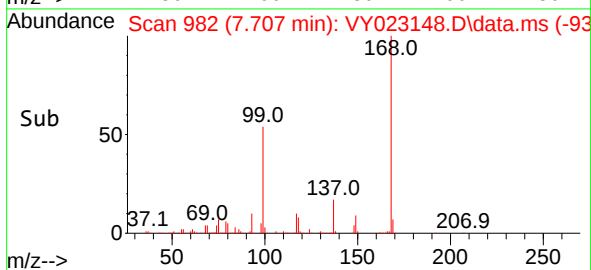
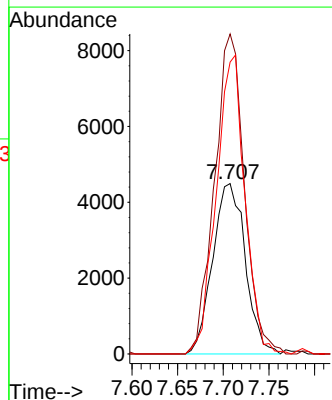
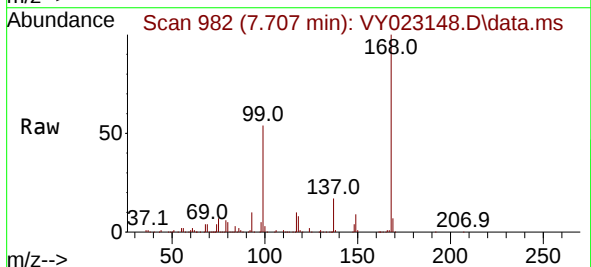
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

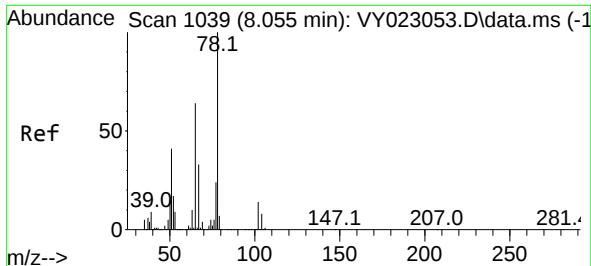
Tgt Ion:	84	Resp:	8765
Ion	Ratio	Lower	Upper
84	100		
49	108.6	93.0	139.6
51	34.9	29.0	43.4
86	73.8	50.2	75.4



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion:	56	Resp:	11137
Ion	Ratio	Lower	Upper
56	100		
69	187.7	28.2	42.2#
84	171.2	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.182 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023148.D

Acq: 19 Aug 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

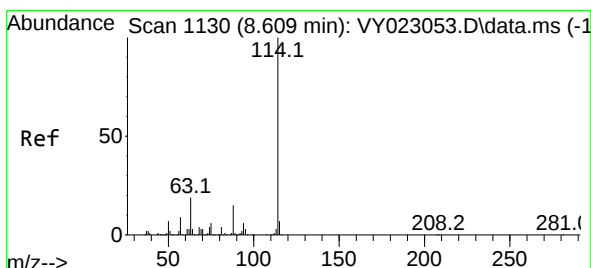
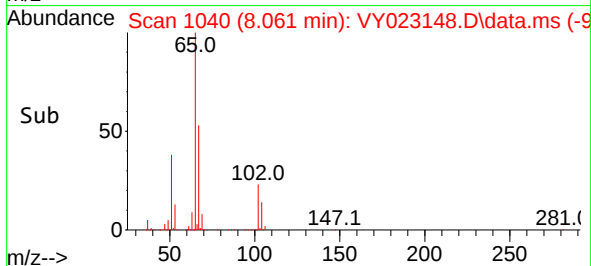
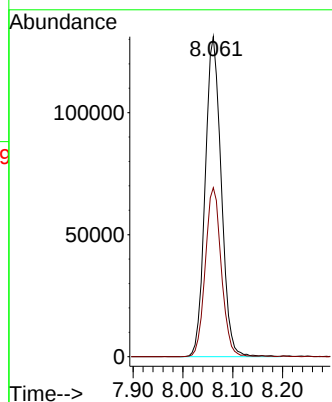
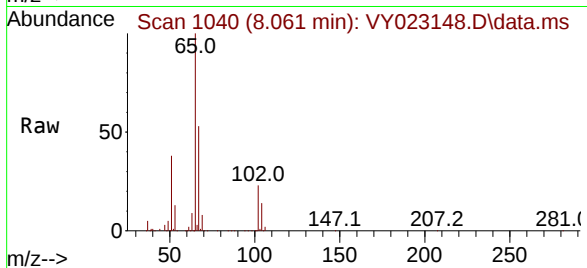
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion: 65 Resp: 293584

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023148.D

Acq: 19 Aug 2025 14:04

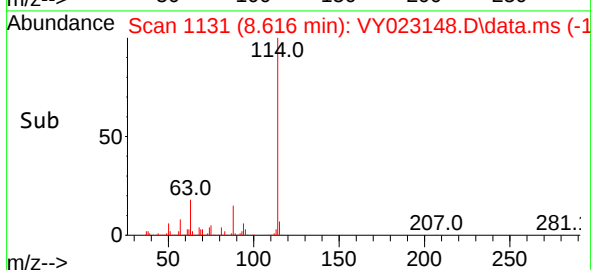
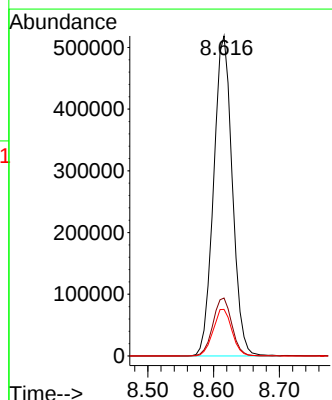
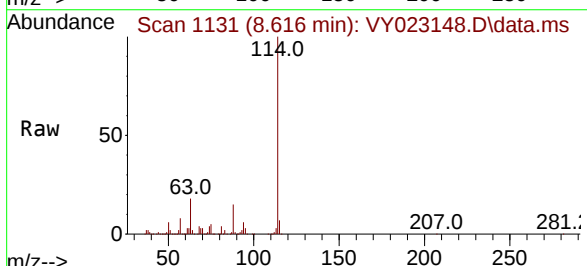
Tgt Ion: 114 Resp: 1024796

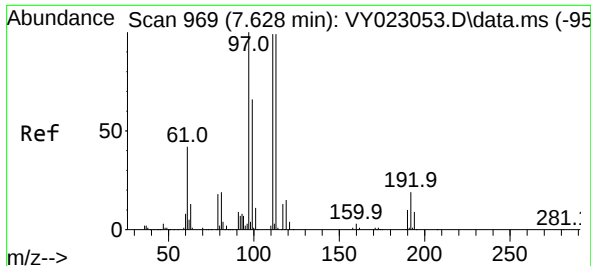
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.6 0.0 30.0

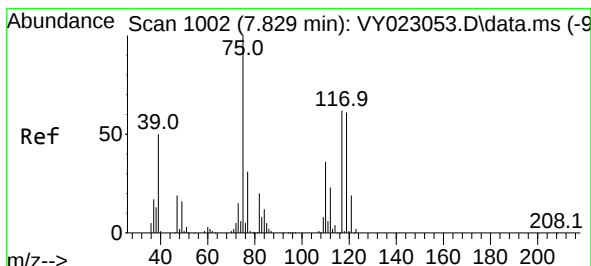
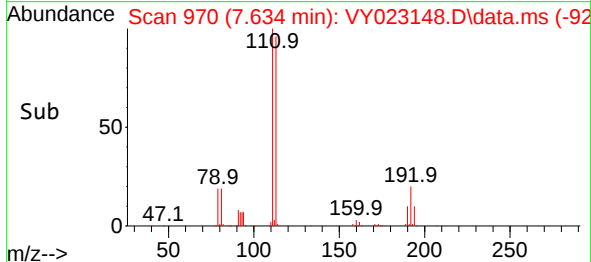
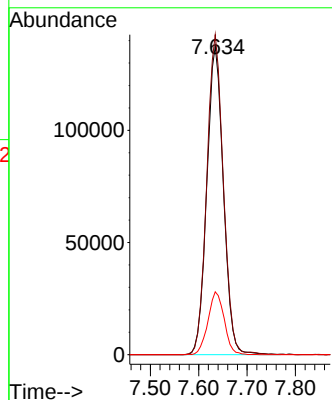
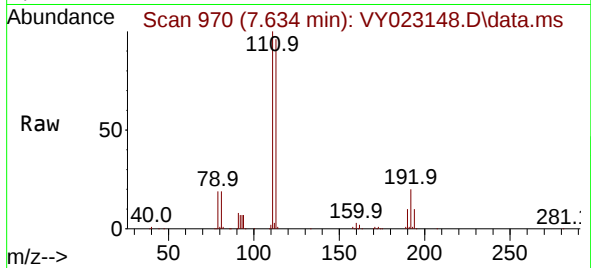




#35
Dibromofluoromethane
Concen: 53.458 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

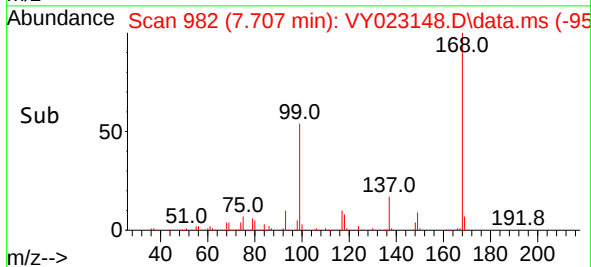
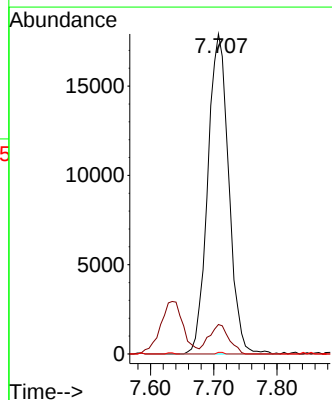
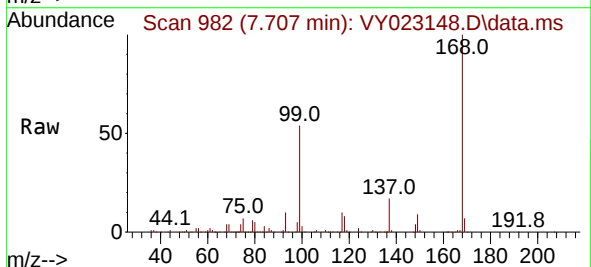
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

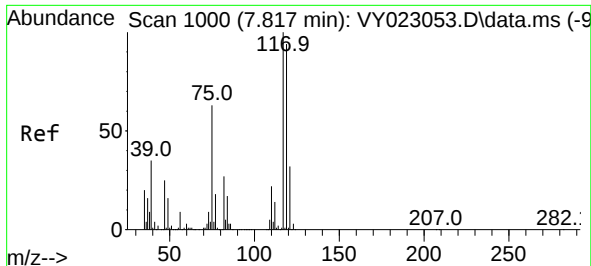
Tgt Ion:113 Resp: 327809
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.526 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion: 75 Resp: 41246
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.2 24.6 37.0#

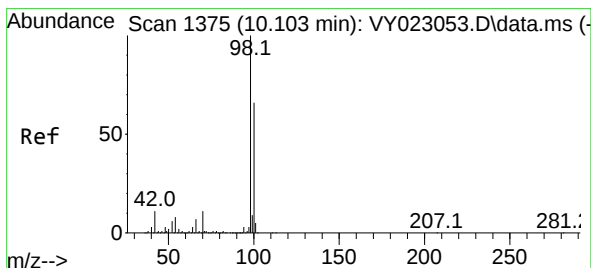
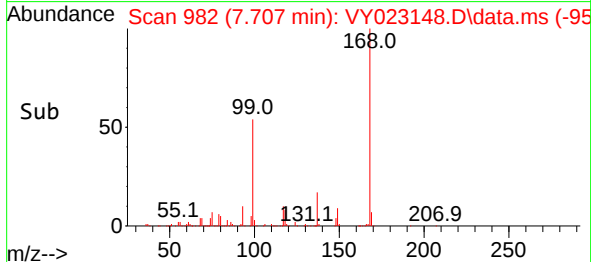
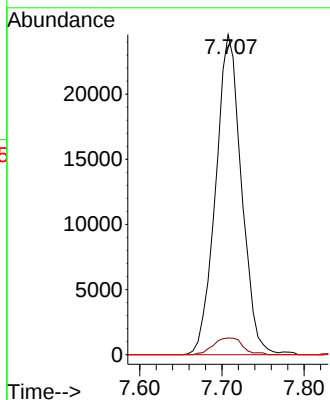
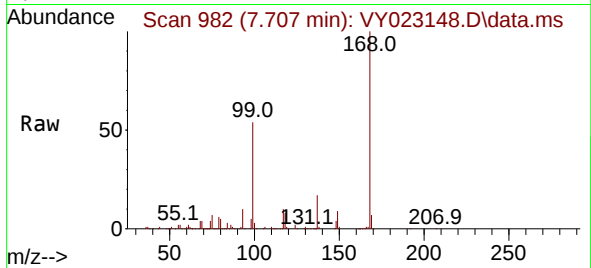




#38
Carbon Tetrachloride
Concen: 5.416 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

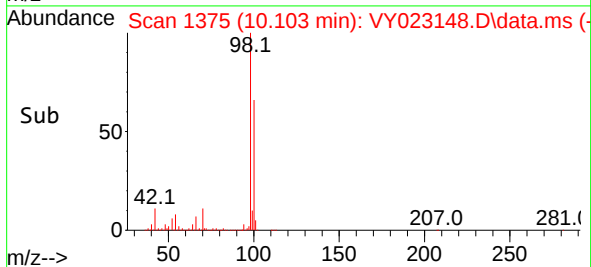
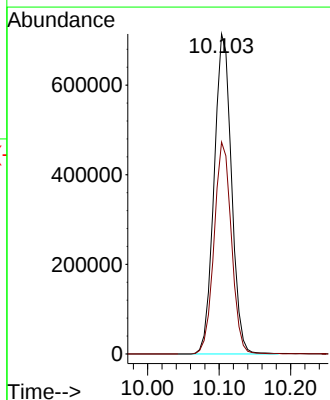
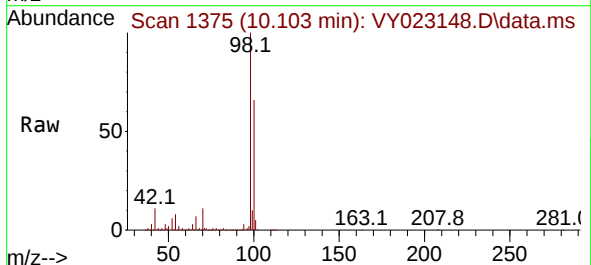
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

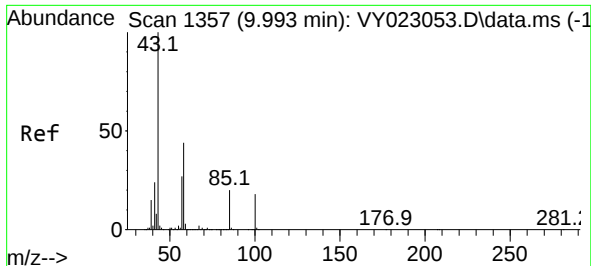
Tgt Ion:117 Resp: 53610
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion: 98 Resp: 1206543
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.204 ug/l

RT: 10.103 min Scan# 1357

Delta R.T. 0.110 min

Lab File: VY023148.D

Acq: 19 Aug 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

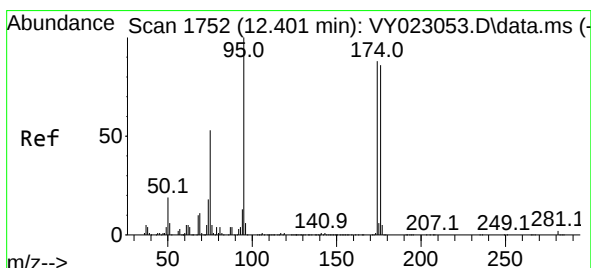
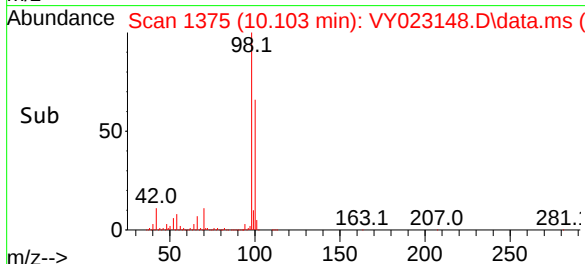
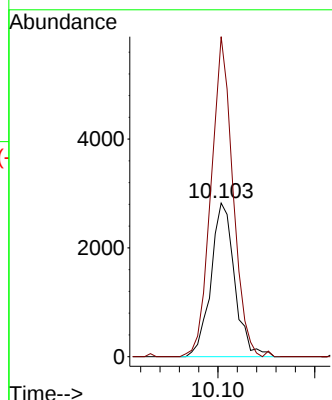
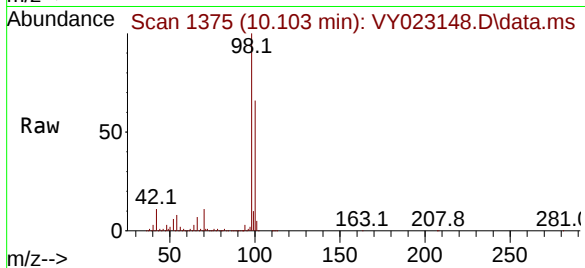
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion: 43 Resp: 4807

Ion Ratio Lower Upper

43 100

58 191.9 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 39.600 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023148.D

Acq: 19 Aug 2025 14:04

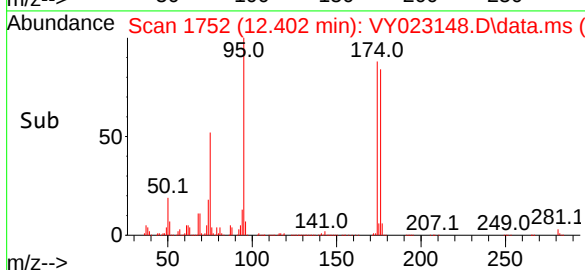
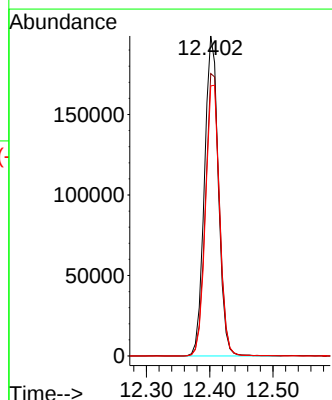
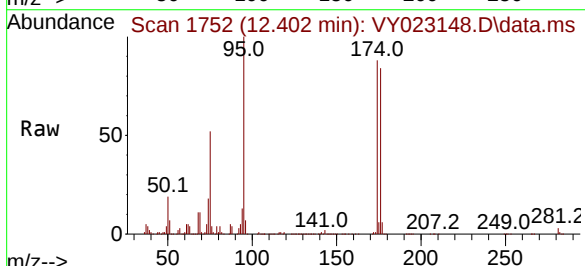
Tgt Ion: 95 Resp: 305078

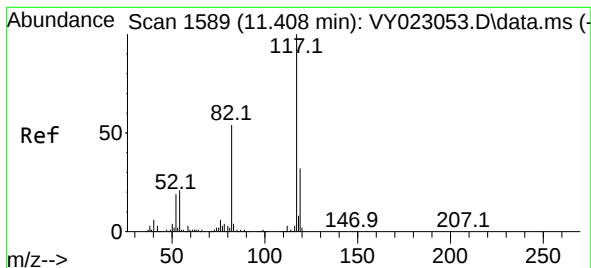
Ion Ratio Lower Upper

95 100

174 88.9 0.0 171.6

176 85.3 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: VY023148.D

Acq: 19 Aug 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP03-081425

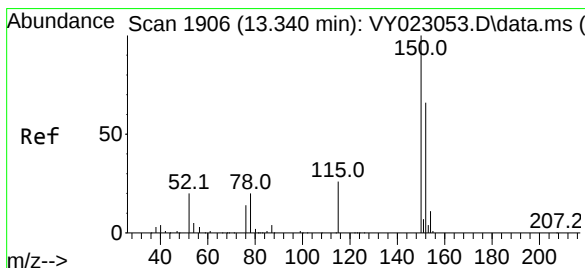
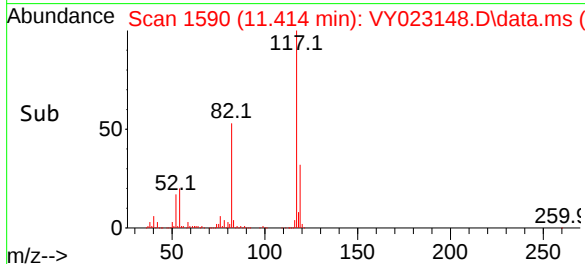
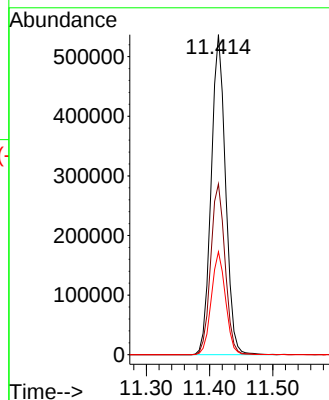
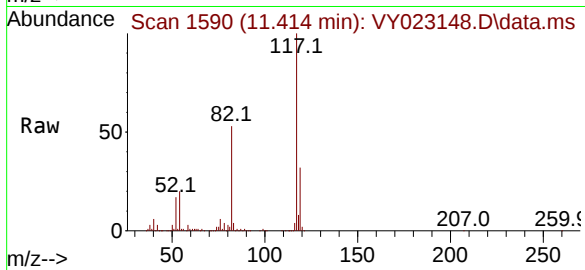
Tgt Ion:117 Resp: 847176

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023148.D

Acq: 19 Aug 2025 14:04

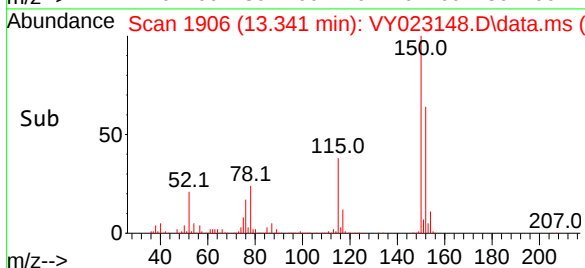
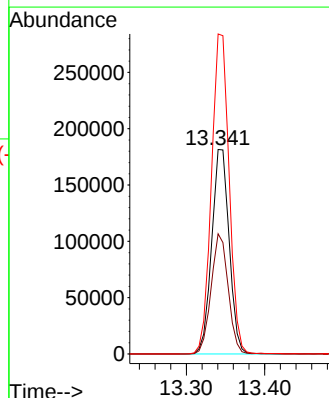
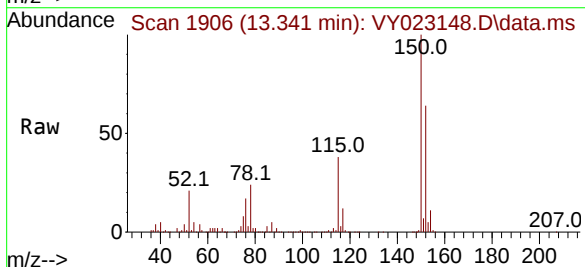
Tgt Ion:152 Resp: 281414

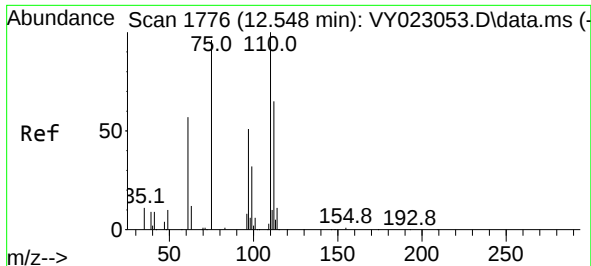
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 158.3 0.0 348.0

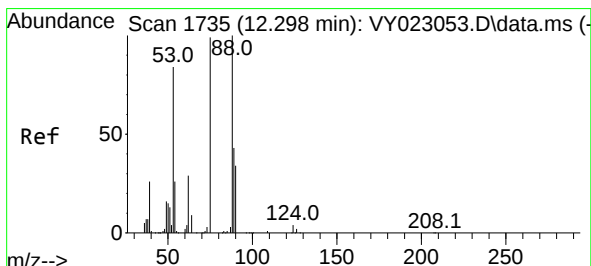
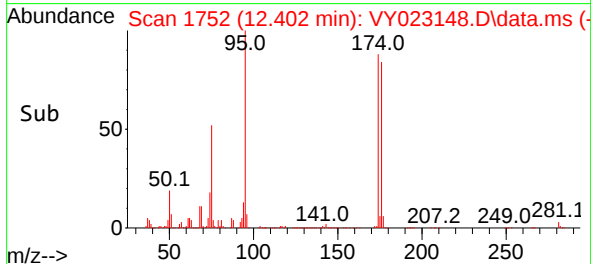
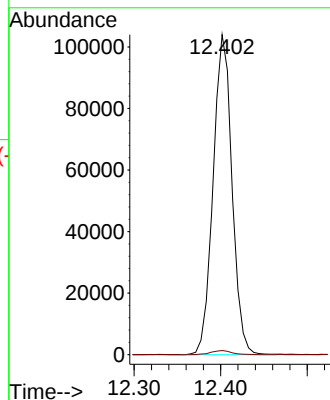
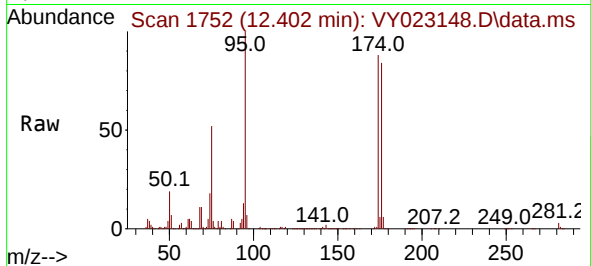




#76
1,2,3-Trichloropropane
Concen: 57.980 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion: 75 Resp: 157471
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.352 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023148.D
Acq: 19 Aug 2025 14:04

Tgt Ion: 75 Resp: 157471
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

