

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023154.D
 Acq On : 19 Aug 2025 16:25
 Operator : SY/MD
 Sample : Q2879-13
 Misc : 3.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 20 01:32:27 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

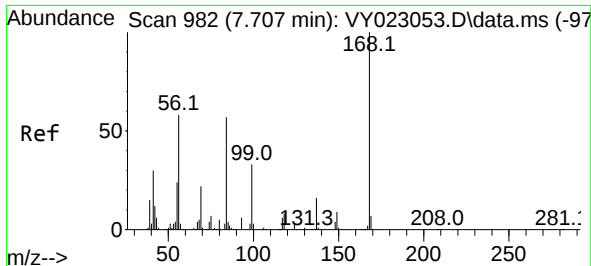
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	525735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	969695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	778031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	252835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	277017	55.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.580%	
35) Dibromofluoromethane	7.634	113	309275	53.302	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.600%	
50) Toluene-d8	10.103	98	1144598	50.495	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.000%	
62) 4-Bromofluorobenzene	12.401	95	276443	37.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.840%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	382	1.113	ug/l #	71
16) Acetone	3.860	43	2510	2.312	ug/l #	80
20) Methylene Chloride	4.610	84	7875	Below Cal		88
31) Cyclohexane	7.707	56	11358	1.217	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	40392	4.684	ug/l #	49
38) Carbon Tetrachloride	7.707	117	50823	5.426	ug/l #	18
49) 1,4-Dioxane	9.140	88	55	1.336	ug/l #	12
51) 4-Methyl-2-Pentanone	10.103	43	4465	1.182	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	143563	58.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	143563	142.419	ug/l #	14

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

Quant Time: Aug 20 01:32:27 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

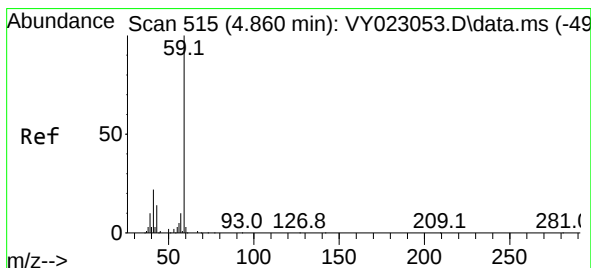
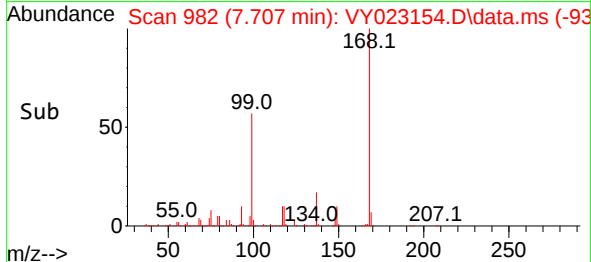
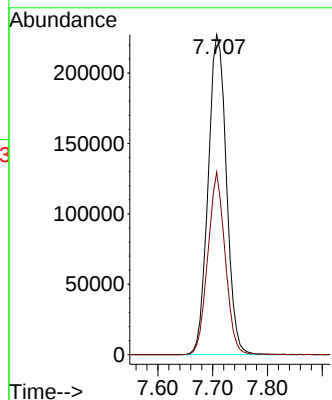
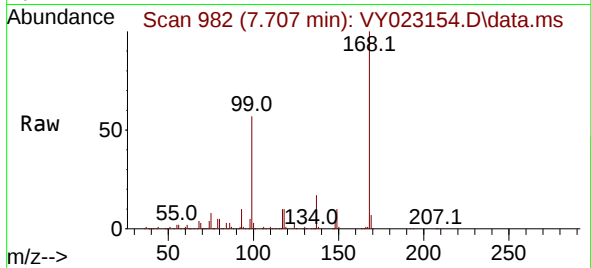




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

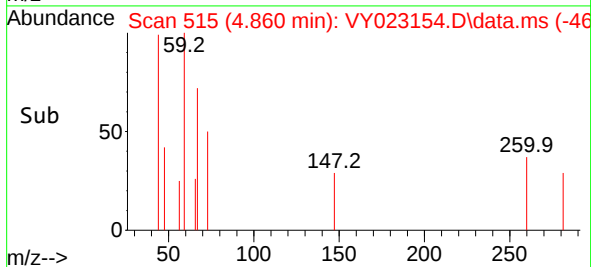
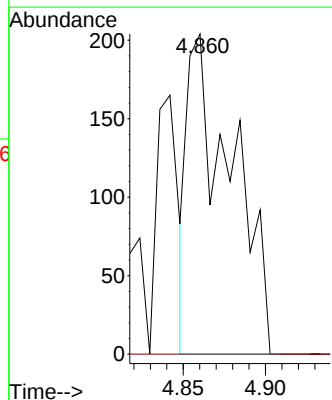
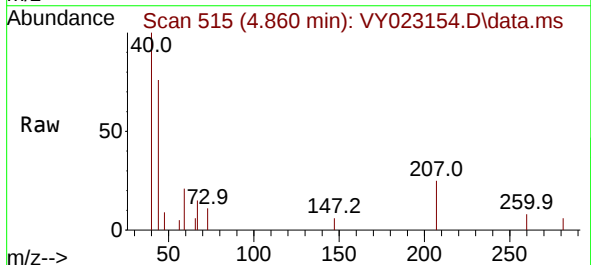
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

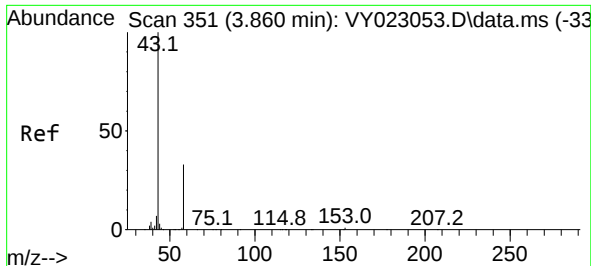
Tgt Ion:168 Resp: 525735
Ion Ratio Lower Upper
168 100
99 57.0 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.113 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

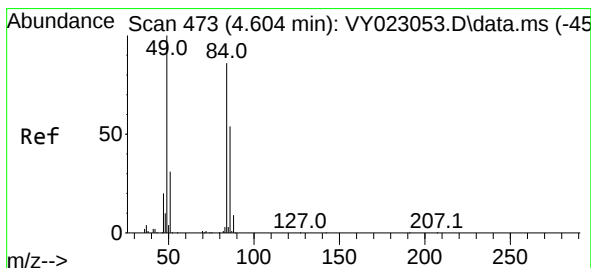
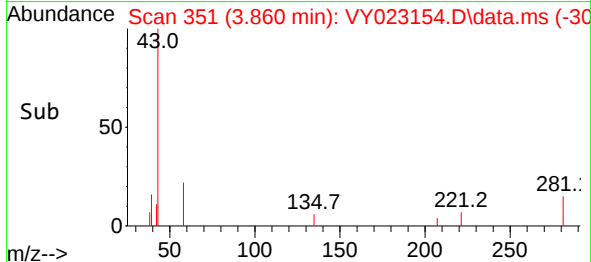
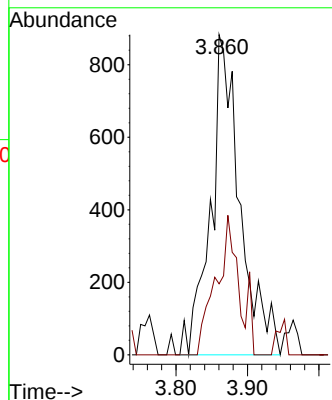
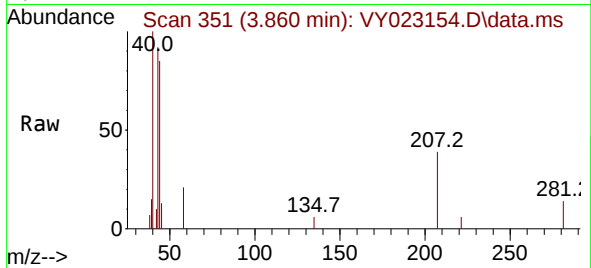




#16
Acetone
Concen: 2.312 ug/l
RT: 3.860 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

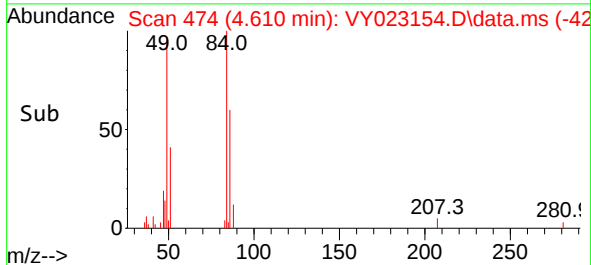
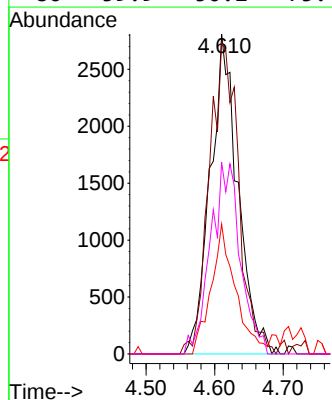
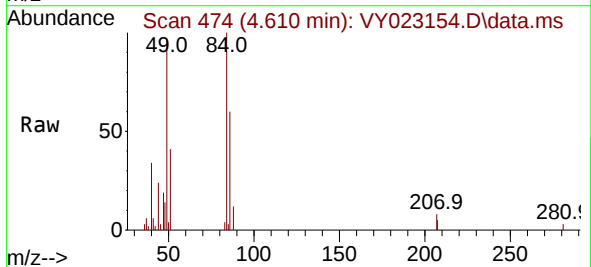
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

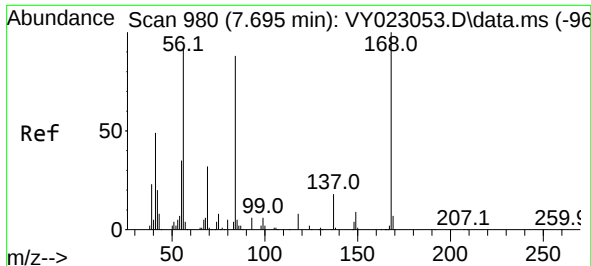
Tgt Ion: 43 Resp: 2510
Ion Ratio Lower Upper
43 100
58 22.2 27.1 40.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Tgt Ion: 84 Resp: 7875
Ion Ratio Lower Upper
84 100
49 97.5 93.0 139.6
51 40.6 29.0 43.4
86 59.9 50.2 75.4

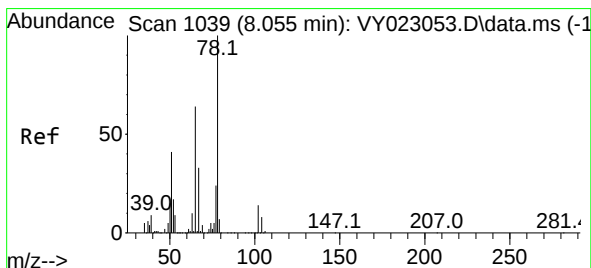
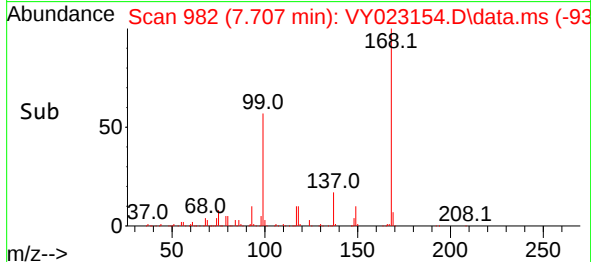
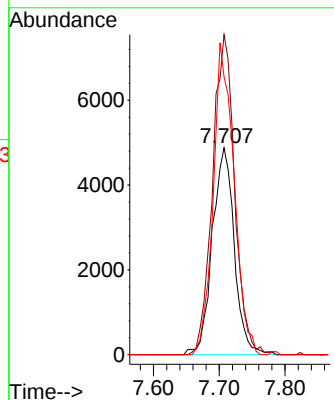
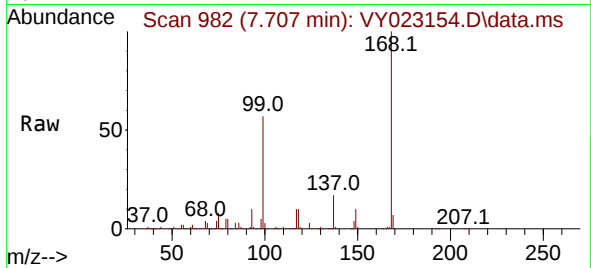




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

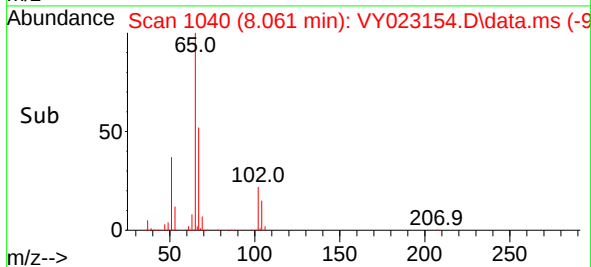
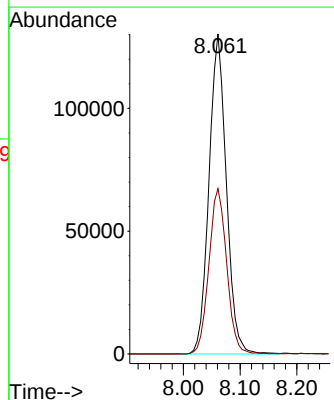
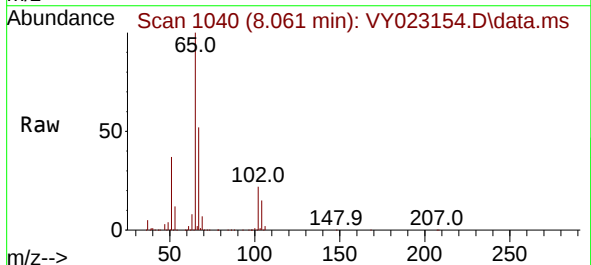
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

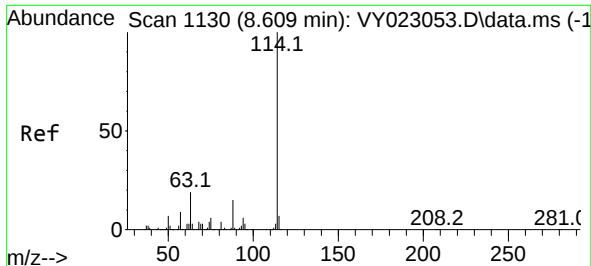
Tgt Ion: 56 Resp: 11358
Ion Ratio Lower Upper
56 100
69 154.7 28.2 42.2#
84 134.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 55.286 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Tgt Ion: 65 Resp: 277017
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# 1130

Delta R.T. 0.006 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

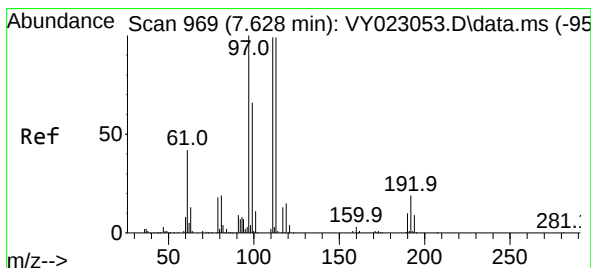
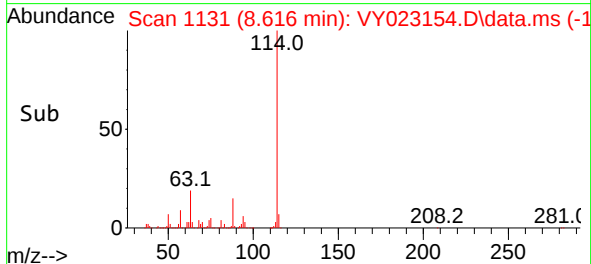
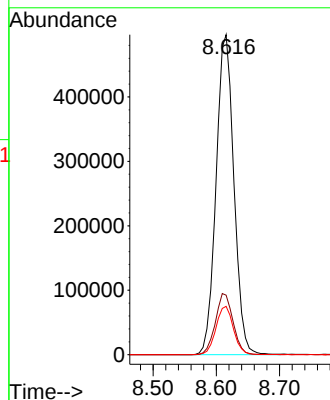
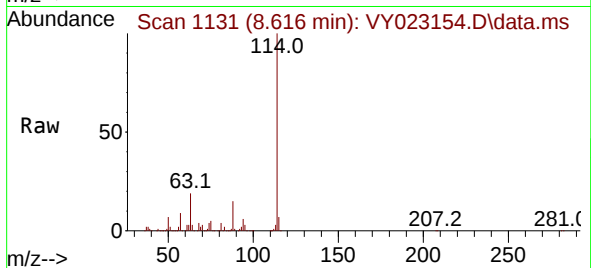
Tgt Ion:114 Resp: 969695

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.302 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

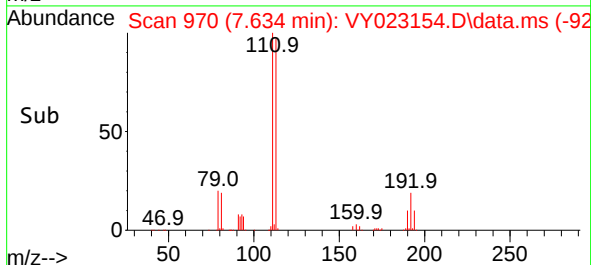
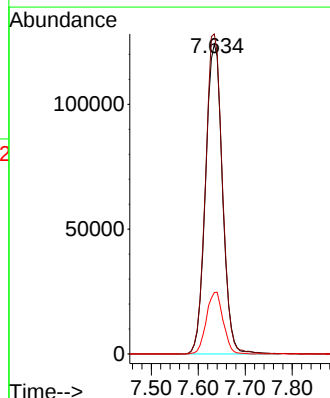
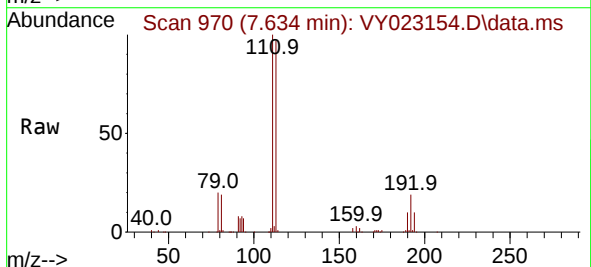
Tgt Ion:113 Resp: 309275

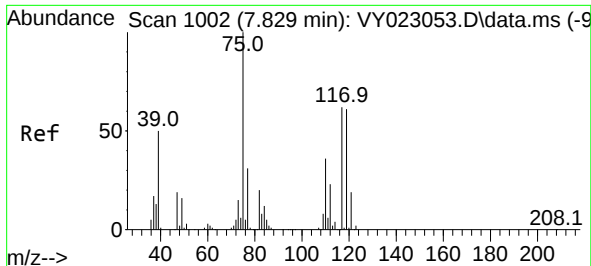
Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

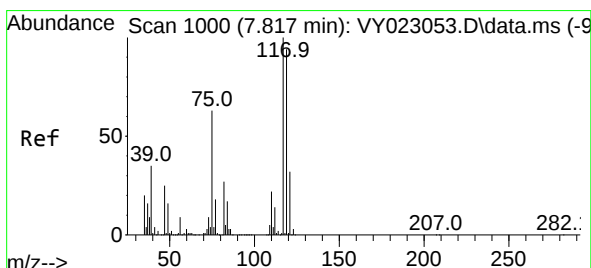
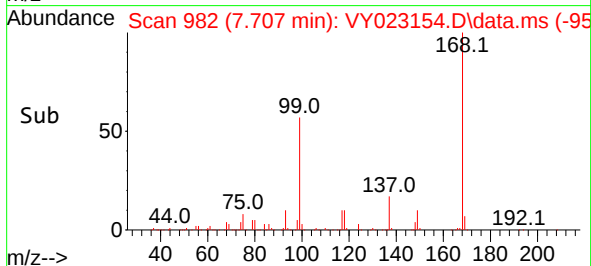
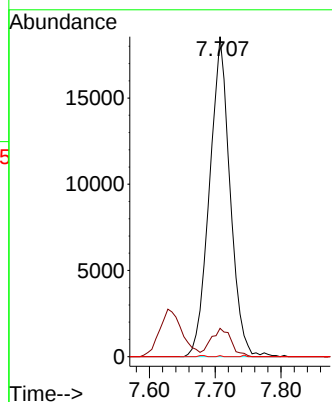
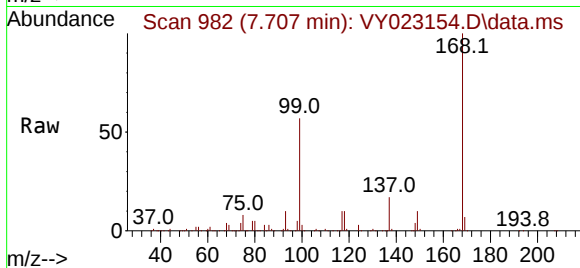
Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:	75	Resp:	40392
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.4#
77	0.1	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.426 ug/l

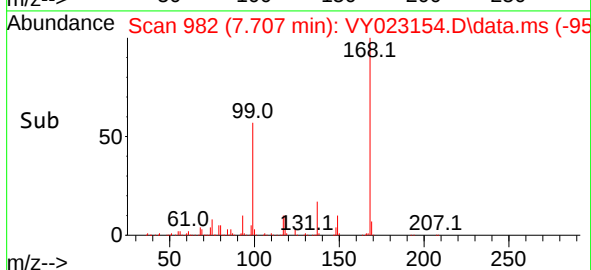
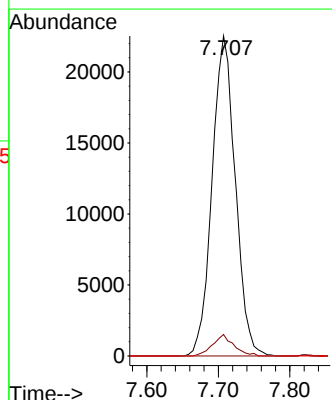
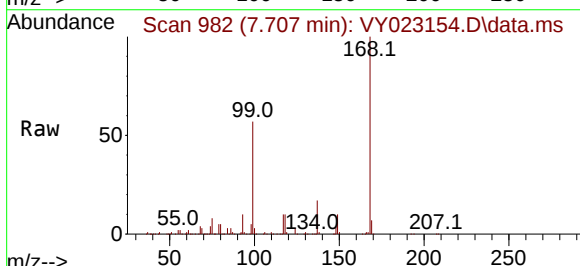
RT: 7.707 min Scan# 982

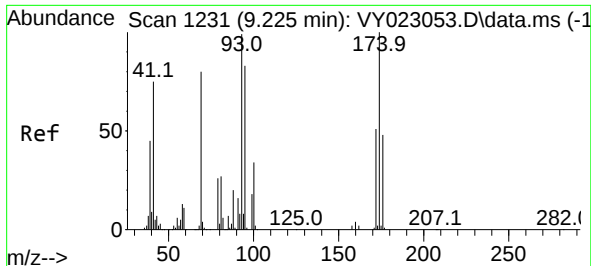
Delta R.T. -0.110 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

Tgt Ion:	117	Resp:	50823
Ion	Ratio	Lower	Upper
117	100		
119	6.7	75.6	113.4#
121	0.0	25.8	38.8#





#49

1,4-Dioxane

Concen: 1.336 ug/l

RT: 9.140 min Scan# 1

Delta R.T. -0.085 min

Lab File: VY023154.D

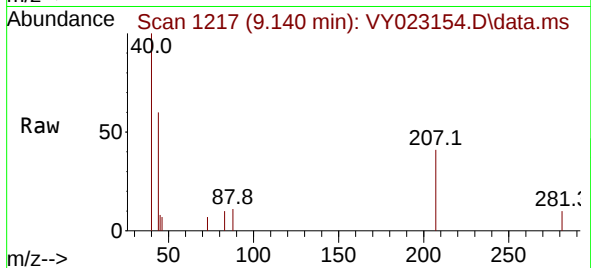
Acq: 19 Aug 2025 16:25

Instrument :

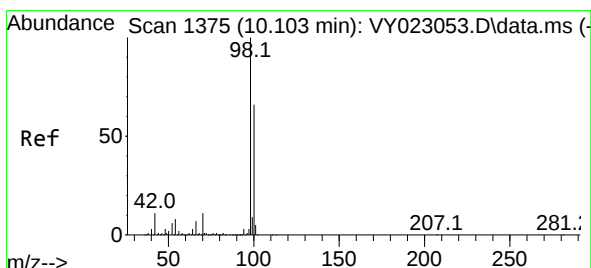
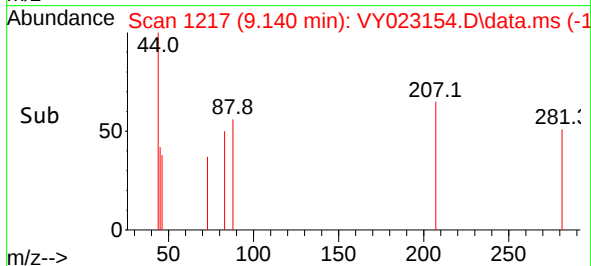
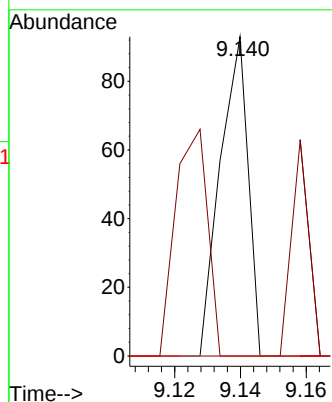
MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425



Tgt Ion:	88	Resp:	55
Ion	Ratio	Lower	Upper
88	100		
43	81.8	24.3	36.5#
58	0.0	55.4	83.0#



#50

Toluene-d8

Concen: 50.495 ug/l

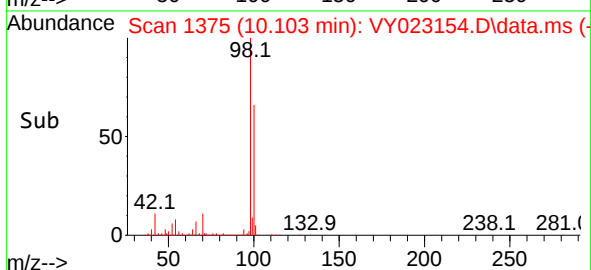
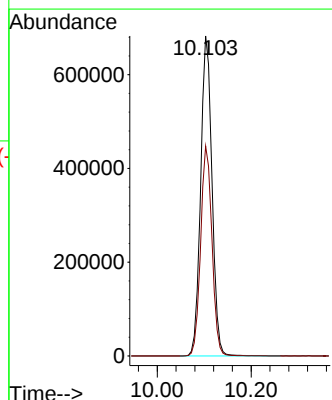
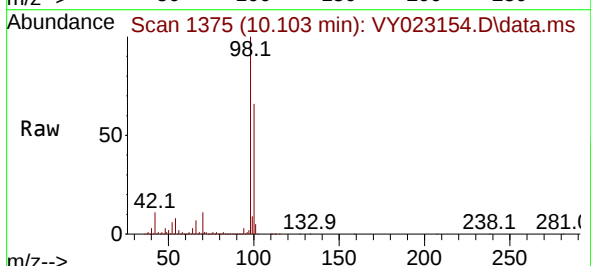
RT: 10.103 min Scan# 1375

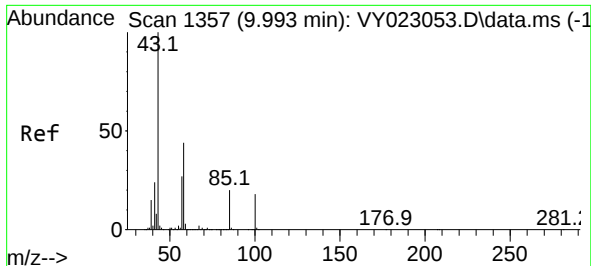
Delta R.T. 0.000 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

Tgt Ion:	98	Resp:	1144598
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5

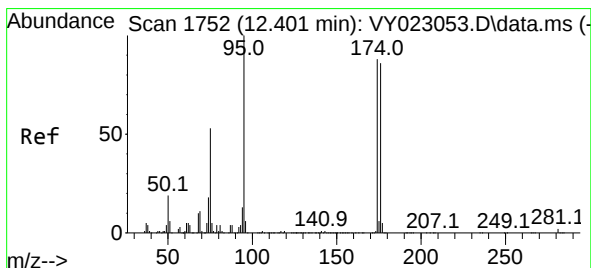
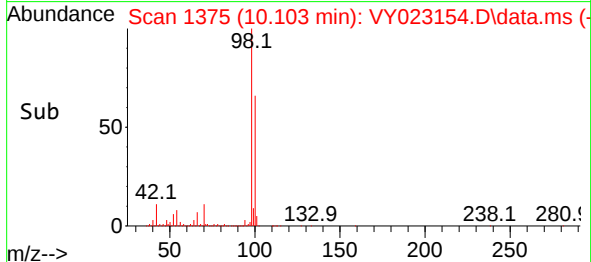
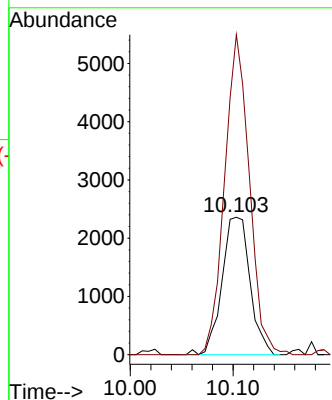
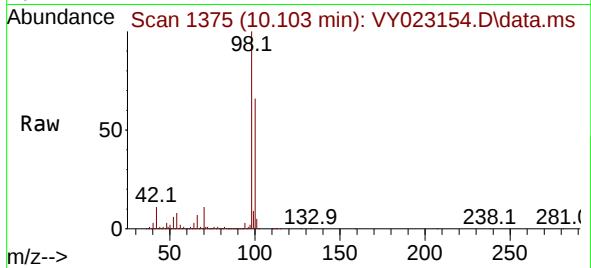




#51
4-Methyl-2-Pentanone
Concen: 1.182 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

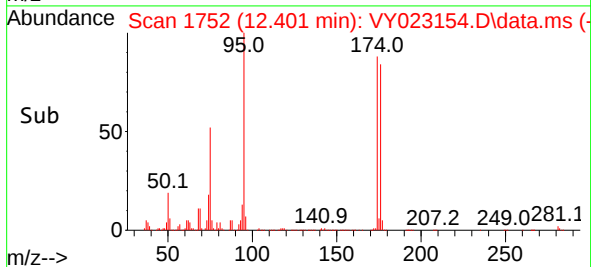
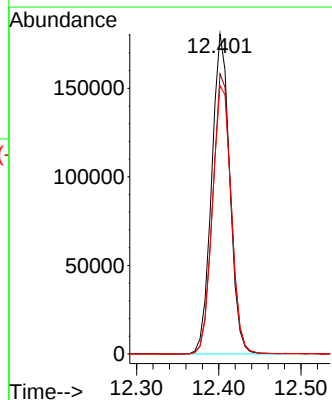
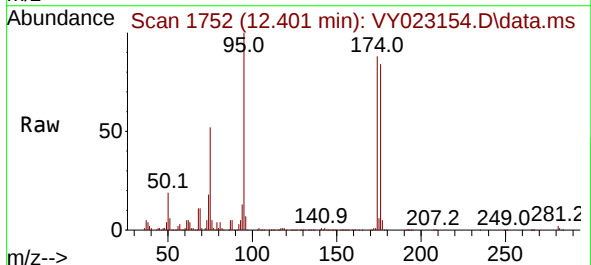
Instrument :
MSVOA_Y
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OU4-TS-GRILLO-TSCP09-081425

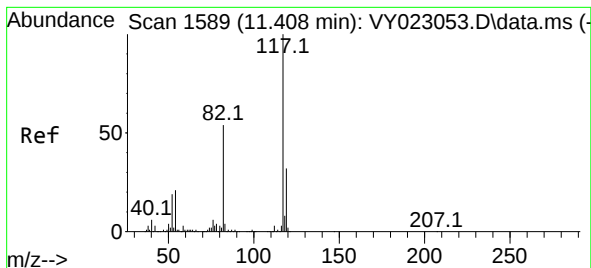
Tgt Ion: 43 Resp: 4465
Ion Ratio Lower Upper
43 100
58 206.0 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 37.922 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Tgt Ion: 95 Resp: 276443
Ion Ratio Lower Upper
95 100
174 89.0 0.0 171.6
176 86.8 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: VY023154.D

Acq: 19 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

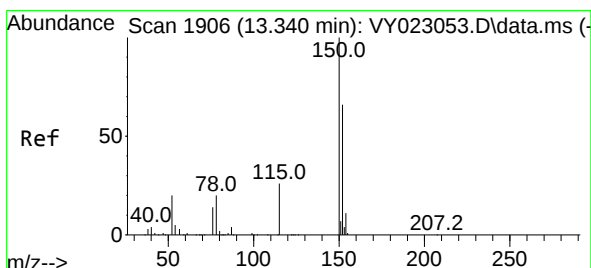
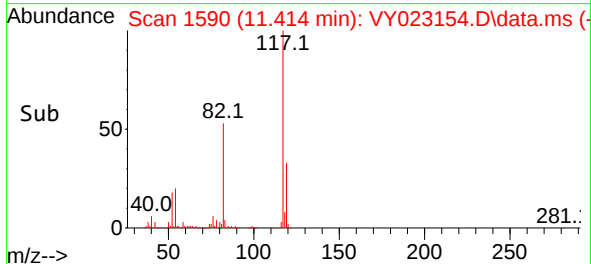
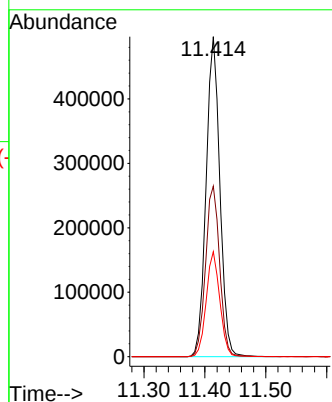
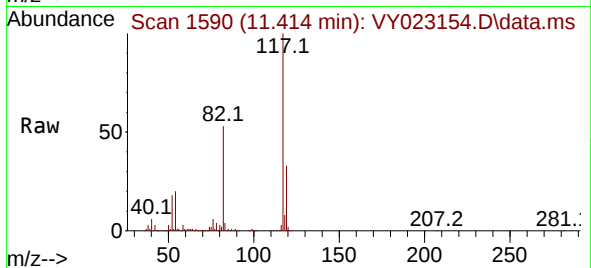
Tgt Ion:117 Resp: 778031

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

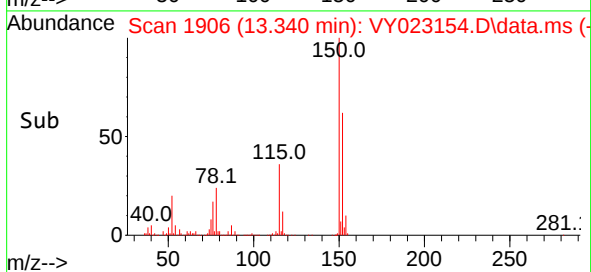
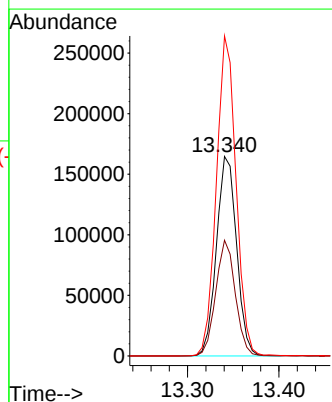
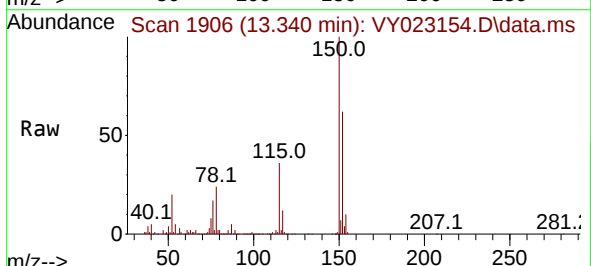
Tgt Ion:152 Resp: 252835

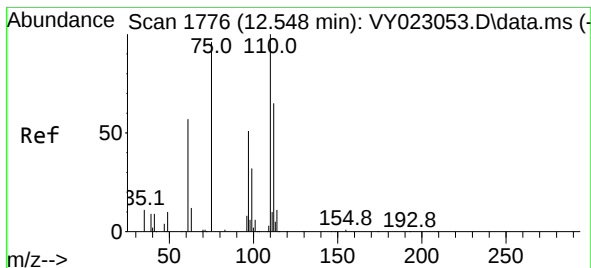
Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.6

150 156.4 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 58.834 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

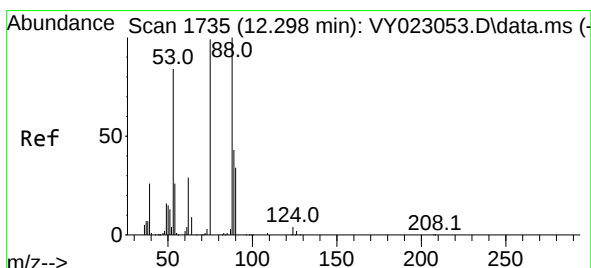
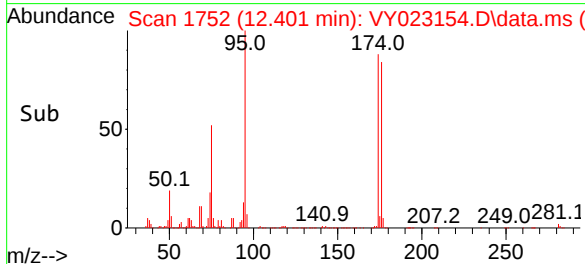
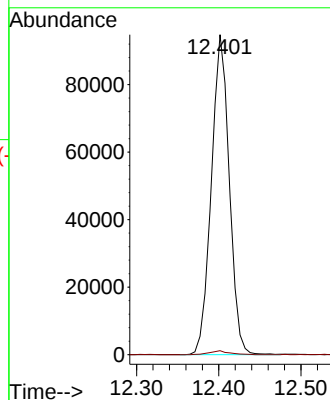
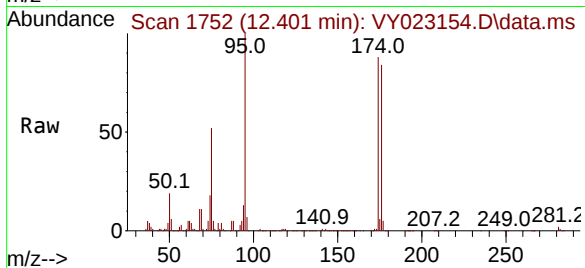
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion: 75 Resp: 143563

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.419 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

Tgt Ion: 75 Resp: 143563

Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

89 0.1 38.1 57.1#

