

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023151.D
 Acq On : 19 Aug 2025 15:15
 Operator : SY/MD
 Sample : Q2879-07
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425

Quant Time: Aug 20 01:31:14 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	536443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	992296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	817130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	273589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	279015	54.573	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.140%	
35) Dibromofluoromethane	7.634	113	308780	52.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.000%	
50) Toluene-d8	10.103	98	1164065	50.185	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	12.402	95	295354	39.593	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.180%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	7459	Below Cal		88
31) Cyclohexane	7.707	56	11046	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41081	4.656	ug/l #	41
38) Carbon Tetrachloride	7.707	117	52994	5.529	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	4646	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	153900	58.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	153900	141.092	ug/l #	14

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

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QLast Update : Wed Aug 13 02:10:11 2025
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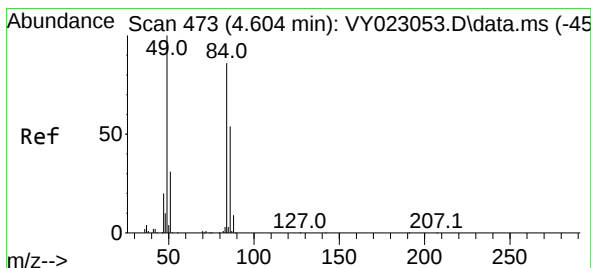
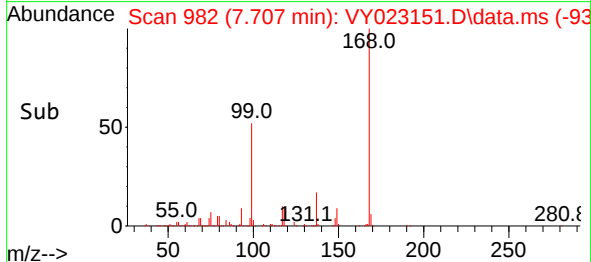
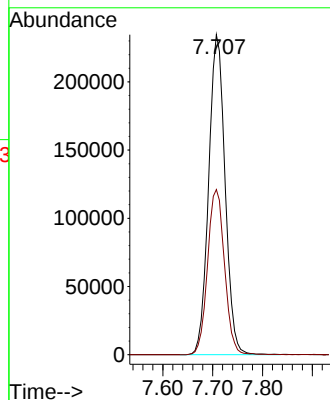
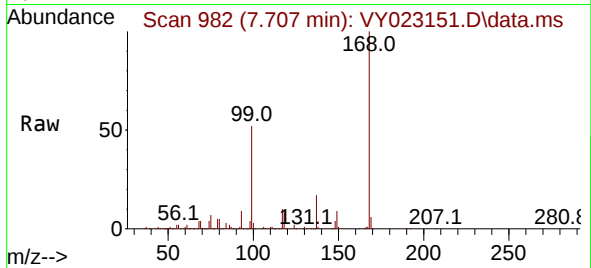




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

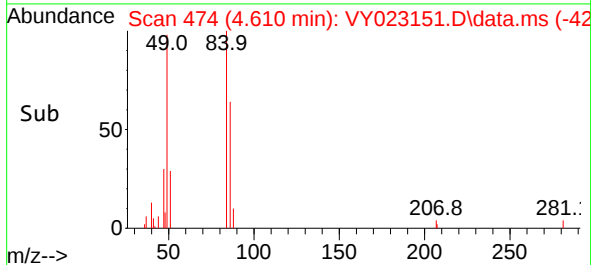
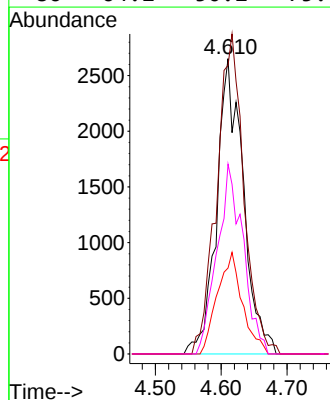
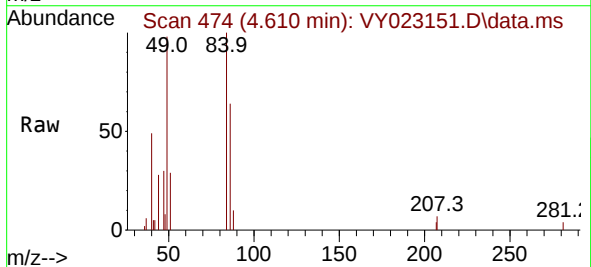
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

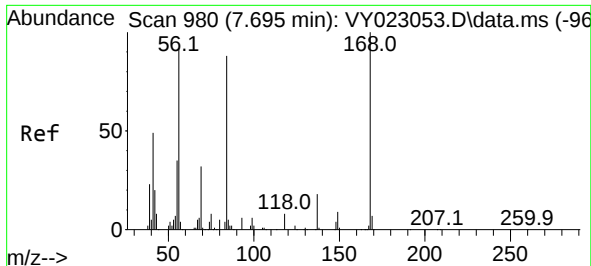
Tgt Ion:168 Resp: 536443
Ion Ratio Lower Upper
168 100
99 51.6 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion: 84 Resp: 7459
Ion Ratio Lower Upper
84 100
49 97.7 93.0 139.6
51 29.1 29.0 43.4
86 64.2 50.2 75.4

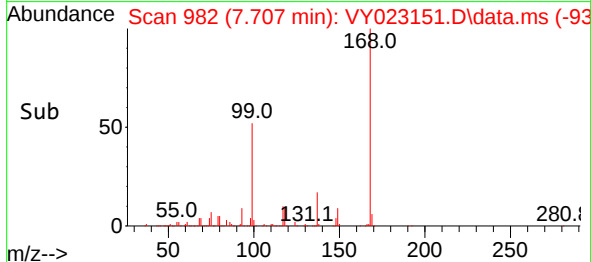
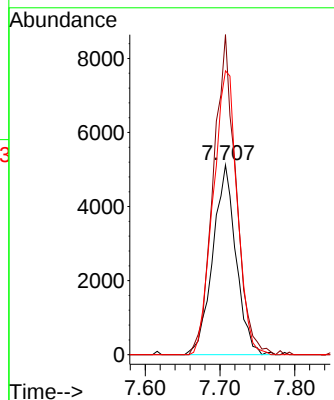
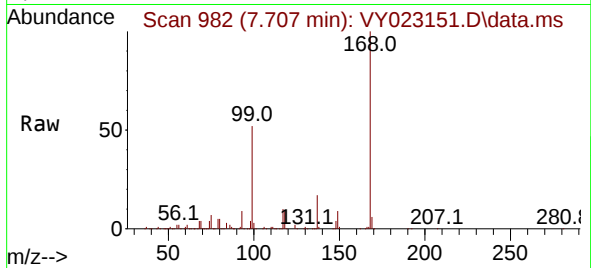




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

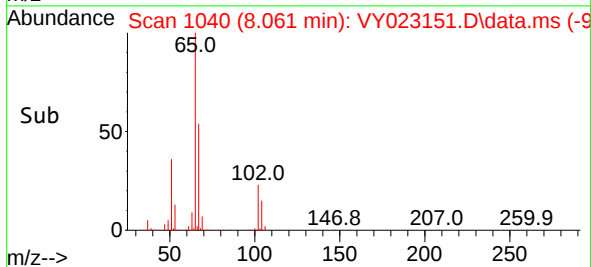
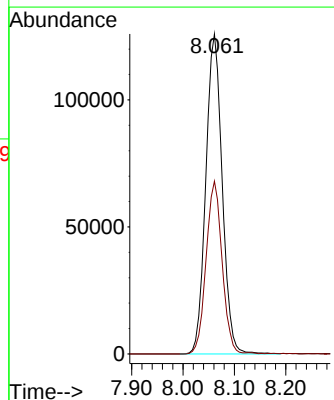
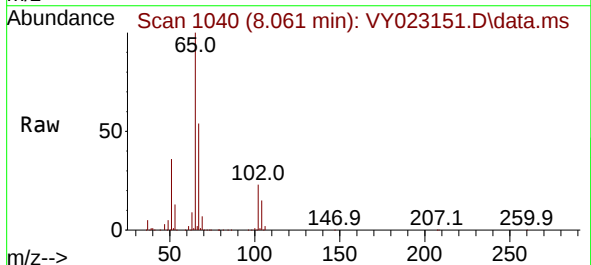
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

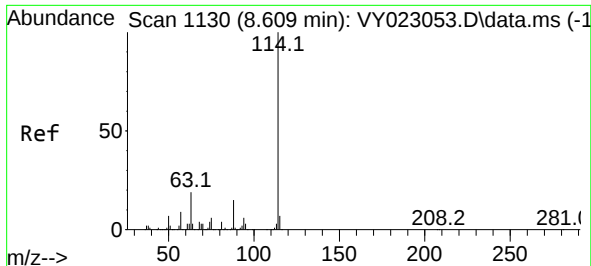
Tgt Ion: 56 Resp: 11046
Ion Ratio Lower Upper
56 100
69 168.8 28.2 42.2#
84 149.7 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 54.573 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion: 65 Resp: 279015
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

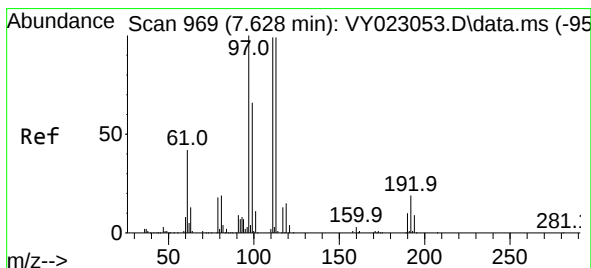
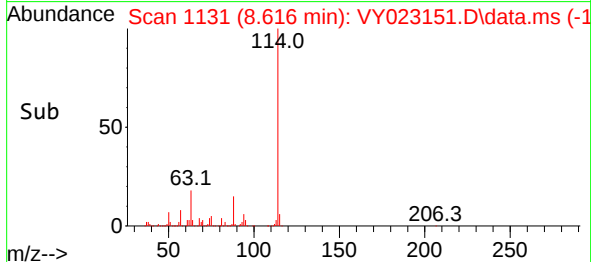
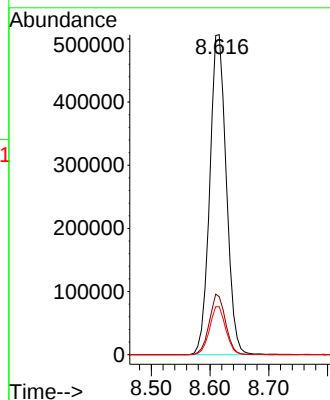
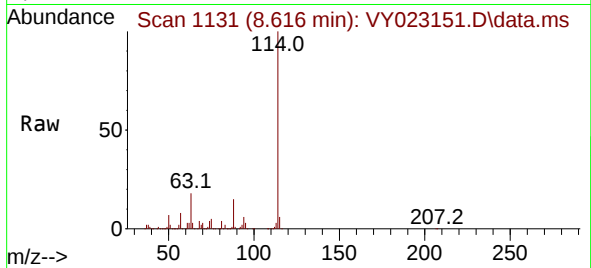




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

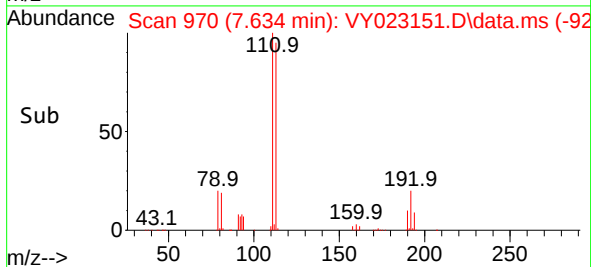
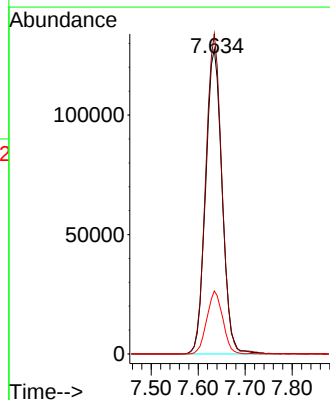
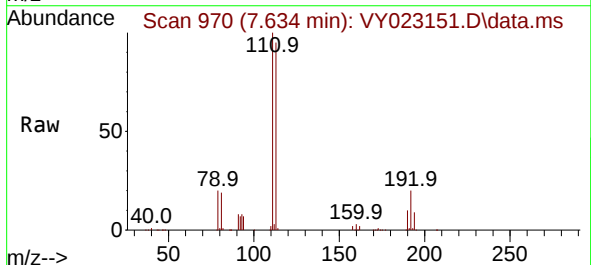
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

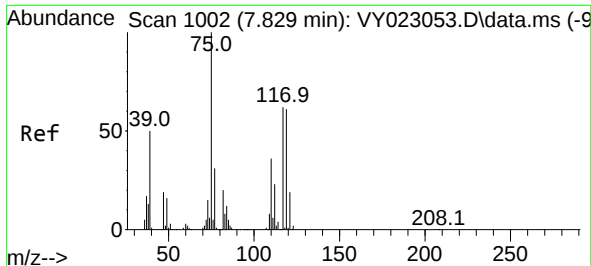
Tgt Ion:114 Resp: 992296
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 15.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.004 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion:113 Resp: 308780
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: 4.656 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023151.D

Acq: 19 Aug 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

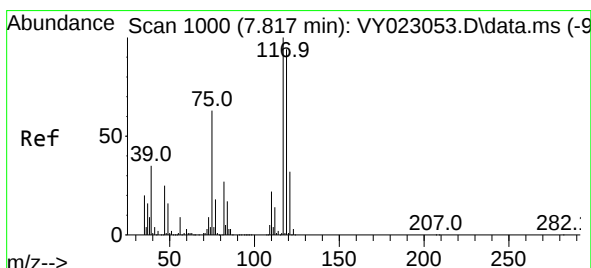
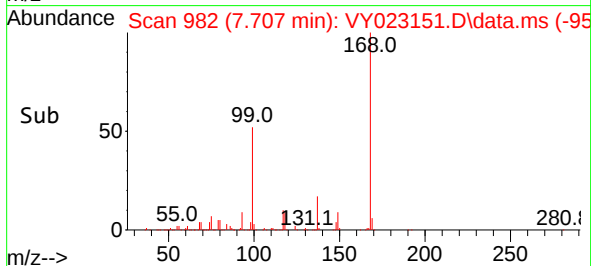
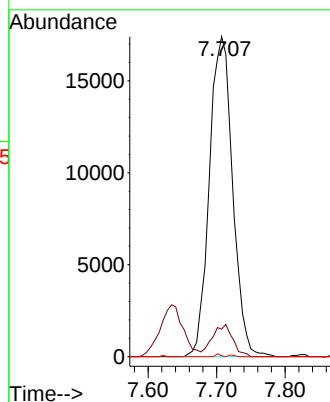
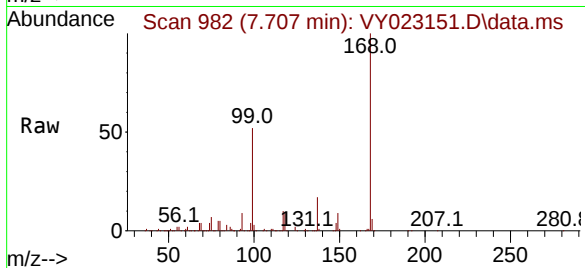
Tgt Ion: 75 Resp: 41081

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.529 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023151.D

Acq: 19 Aug 2025 15:15

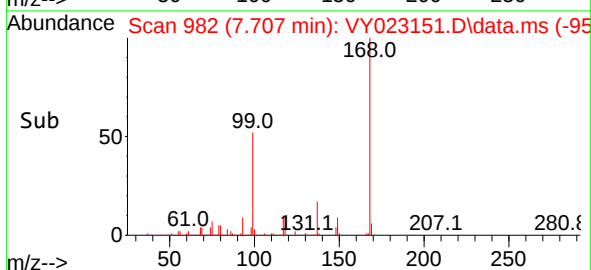
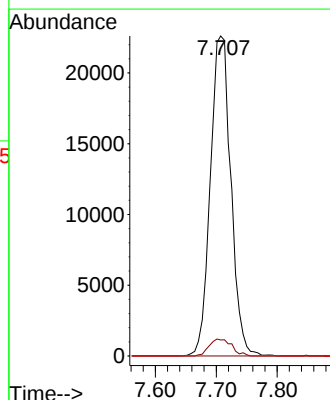
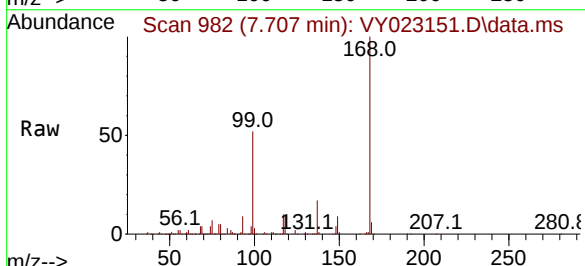
Tgt Ion: 117 Resp: 52994

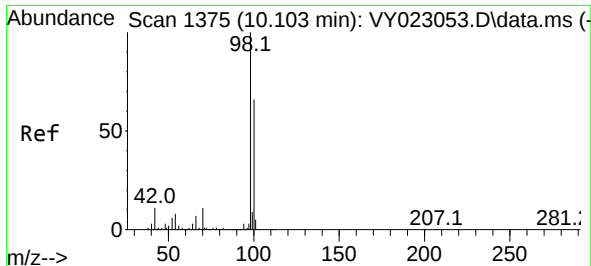
Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

121 0.0 25.8 38.8#

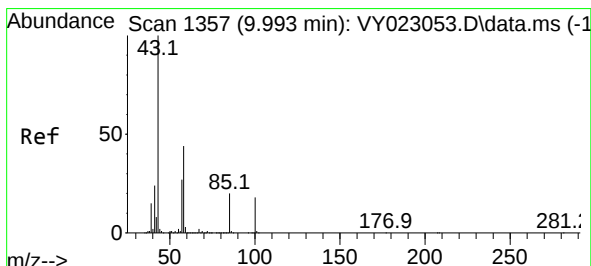
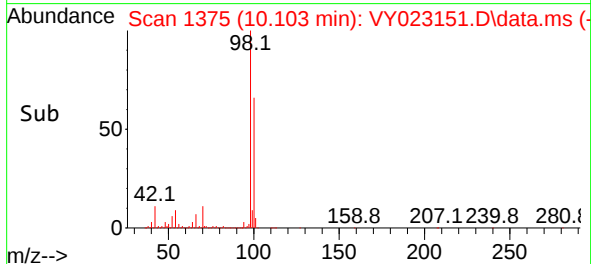
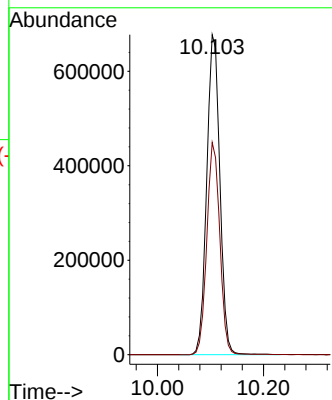
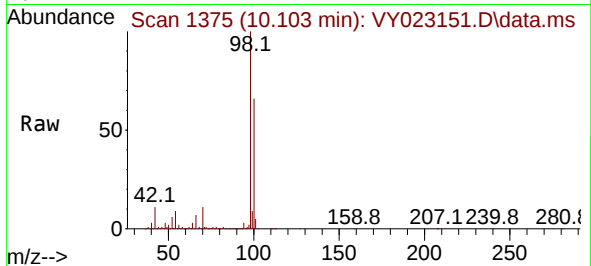




#50
Toluene-d8
Concen: 50.185 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

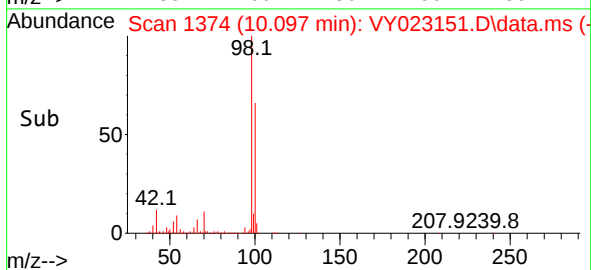
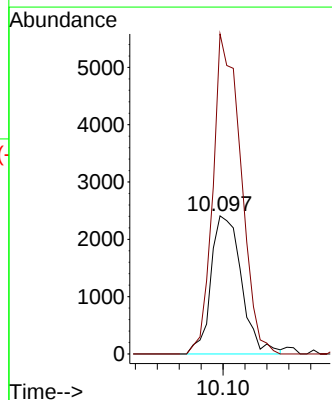
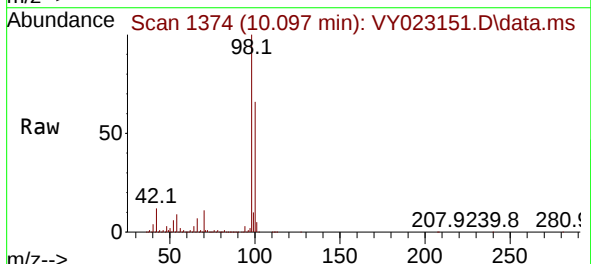
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

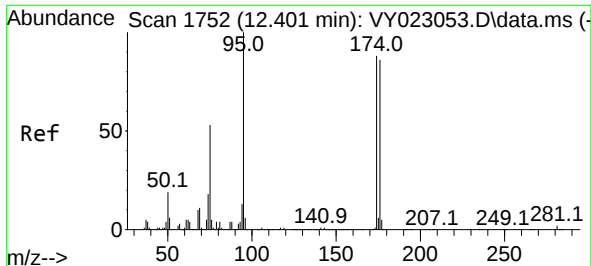
Tgt Ion: 98 Resp: 1164065
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.202 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.104 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion: 43 Resp: 4646
Ion Ratio Lower Upper
43 100
58 212.5 33.5 50.3#

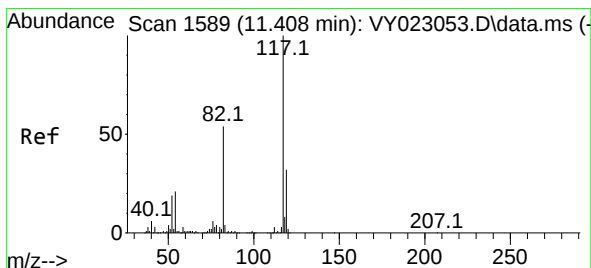
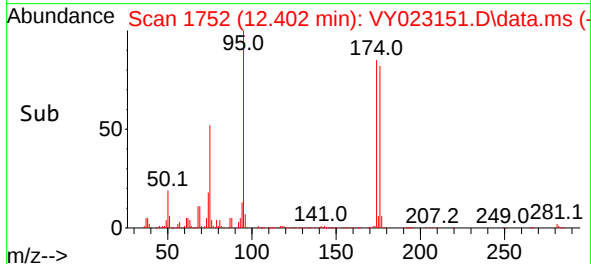
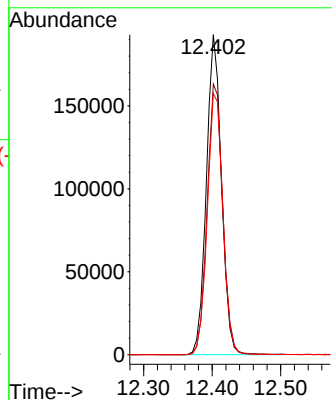
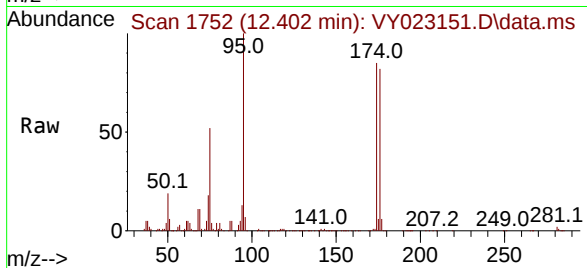




#62
4-Bromofluorobenzene
Concen: 39.593 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

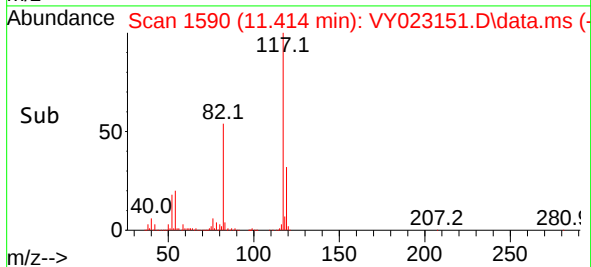
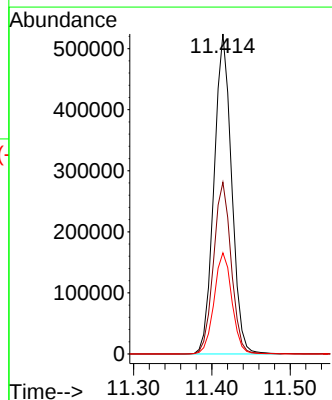
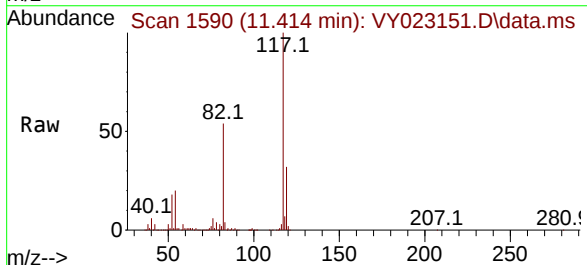
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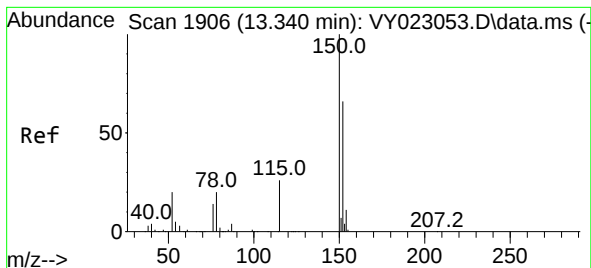
Tgt Ion: 95 Resp: 295354
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 84.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023151.D
Acq: 19 Aug 2025 15:15

Tgt Ion: 117 Resp: 817130
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023151.D

Acq: 19 Aug 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

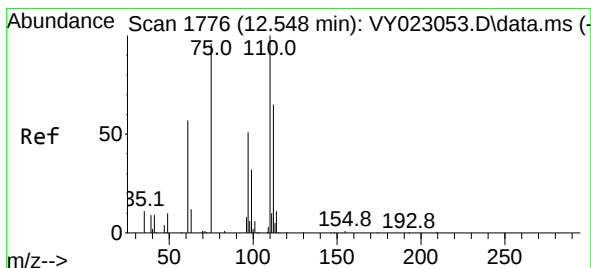
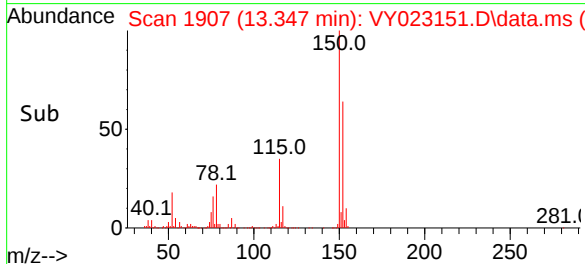
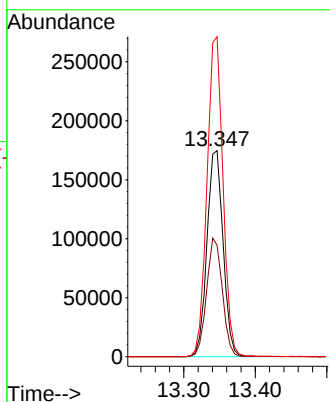
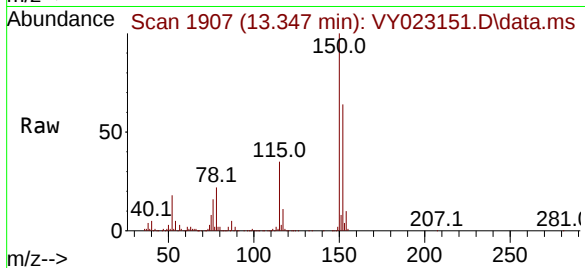
Tgt Ion:152 Resp: 273589

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 153.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 58.286 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023151.D

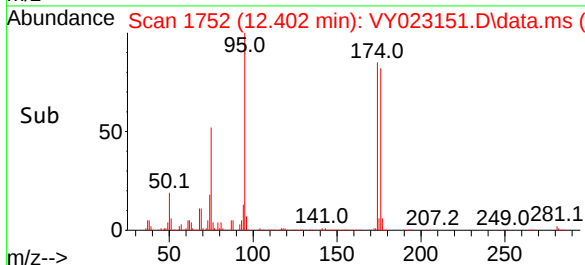
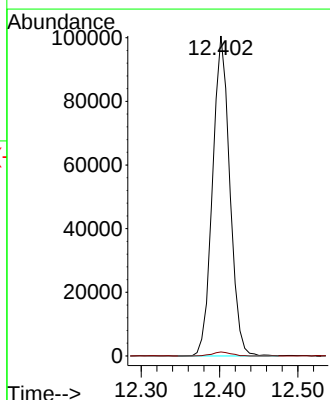
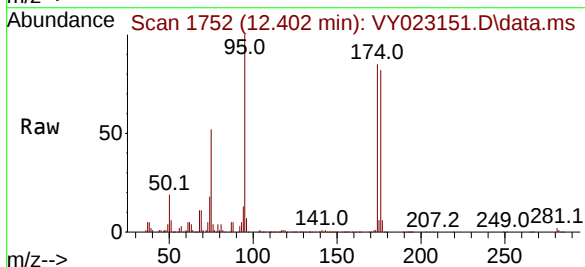
Acq: 19 Aug 2025 15:15

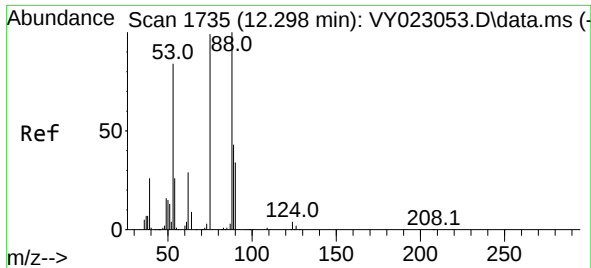
Tgt Ion: 75 Resp: 153900

Ion Ratio Lower Upper

75 100

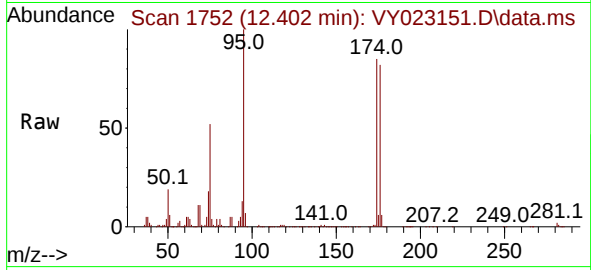
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.092 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023151.D
 Acq: 19 Aug 2025 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425



Tgt Ion: 75 Resp: 153900
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.1 38.1 57.1#

