

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023300.D
 Acq On : 05 Sep 2025 15:48
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 06 01:57:27 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)

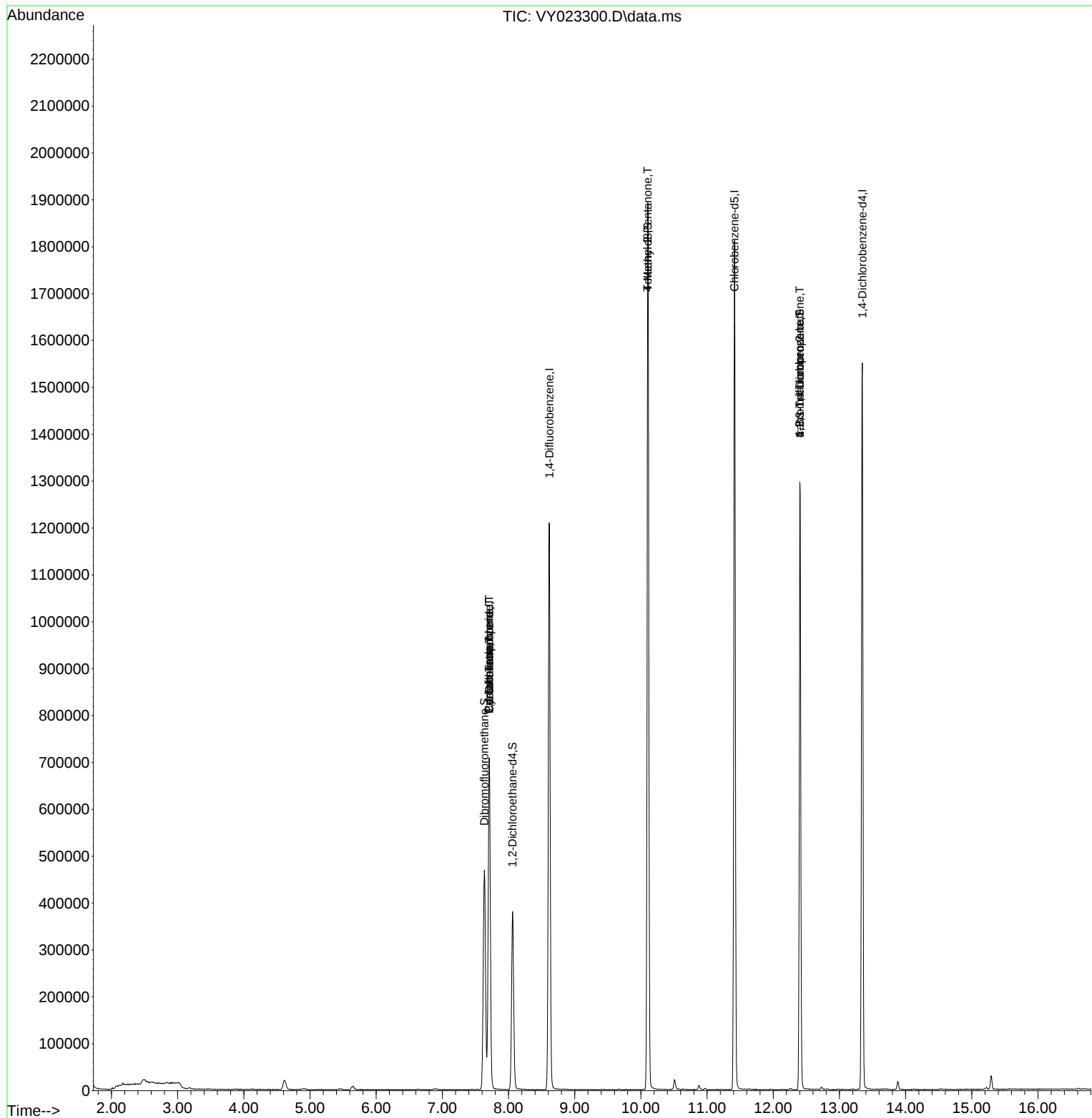
Internal Standards						
1) Pentafluorobenzene	7.707	168	564730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1065763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	989237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	418727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	293480	54.527	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.060%			
35) Dibromofluoromethane	7.634	113	338152	53.025	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.060%			
50) Toluene-d8	10.103	98	1275360	51.192	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.401	95	388121	48.443	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.880%			
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	15794	Below Cal		92
31) Cyclohexane	7.707	56	10402	1.038 ug/l #		1
36) 1,1-Dichloropropene	7.707	75	40205	4.242 ug/l #		49
38) Carbon Tetrachloride	7.707	117	54284	5.274 ug/l #		17
51) 4-Methyl-2-Pentanone	10.103	43	4728	1.139 ug/l #		1
76) 1,2,3-Trichloropropane	12.401	75	194791	48.202 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.401	75	194791	116.681 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
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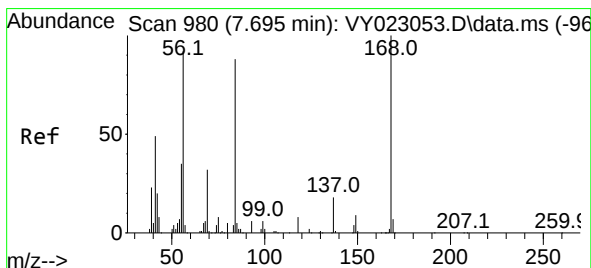
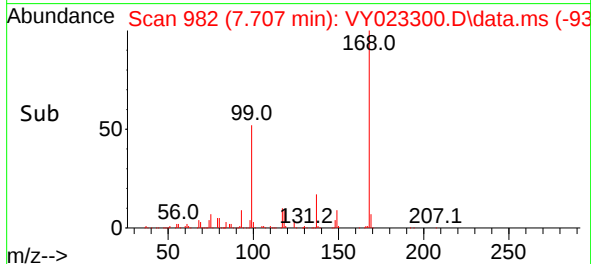
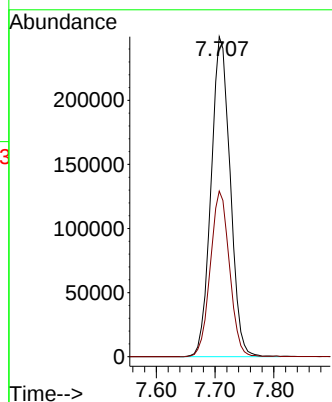
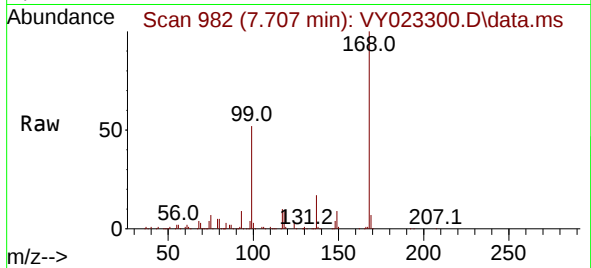




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

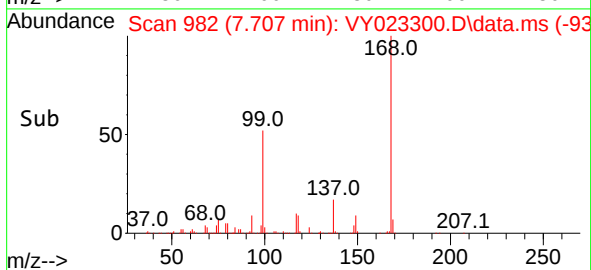
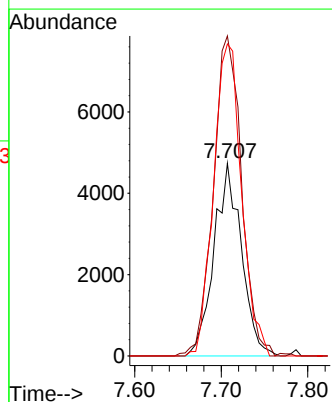
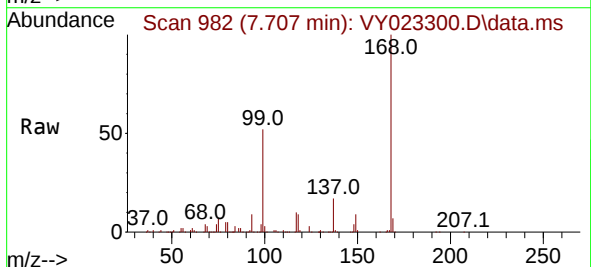
Instrument :
MSVOA_Y
ClientSampleId :

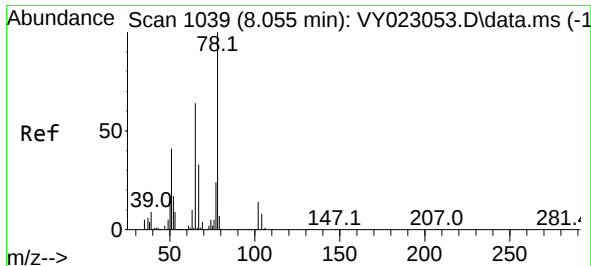
Tgt Ion:168 Resp: 564730
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

Tgt Ion: 56 Resp: 10402
Ion Ratio Lower Upper
56 100
69 164.7 28.2 42.2#
84 161.9 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 54.527 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023300.D

Acq: 05 Sep 2025 15:48

Instrument :

MSVOA_Y

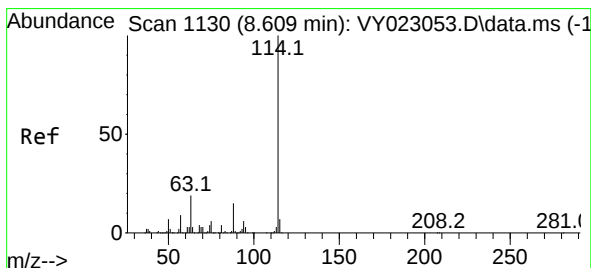
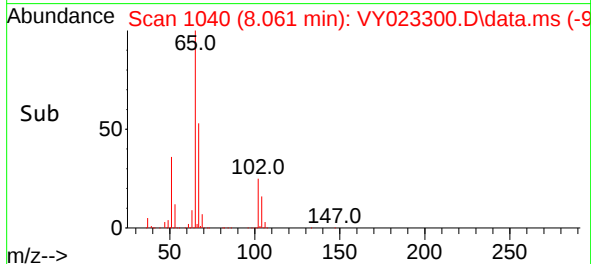
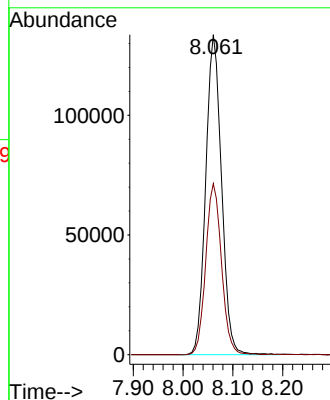
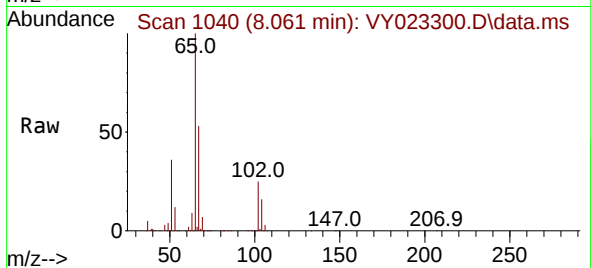
ClientSampleId :

Tgt Ion: 65 Resp: 293480

Ion Ratio Lower Upper

65 100

67 53.4 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: VY023300.D

Acq: 05 Sep 2025 15:48

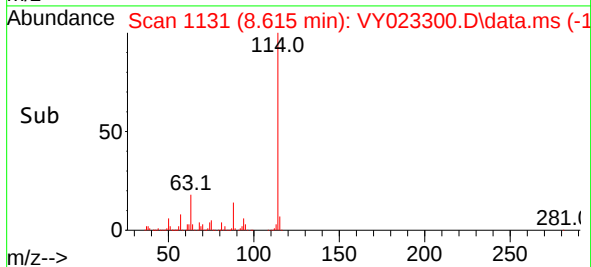
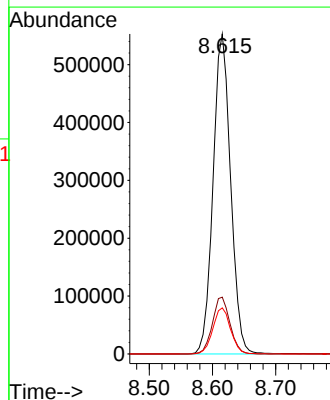
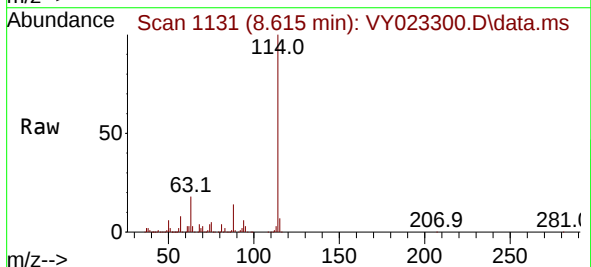
Tgt Ion:114 Resp: 1065763

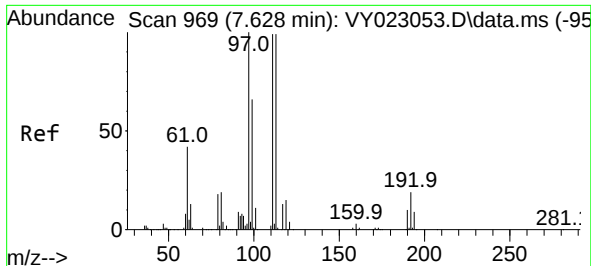
Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.025 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

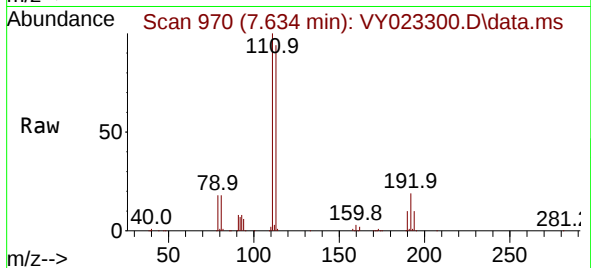
Lab File: VY023300.D

Acq: 05 Sep 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :



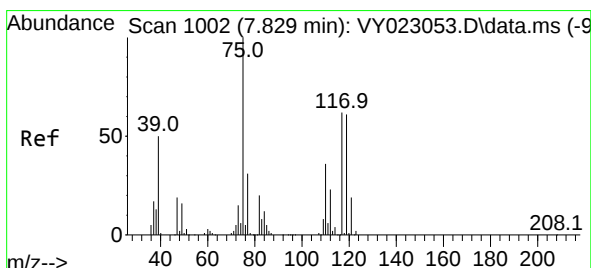
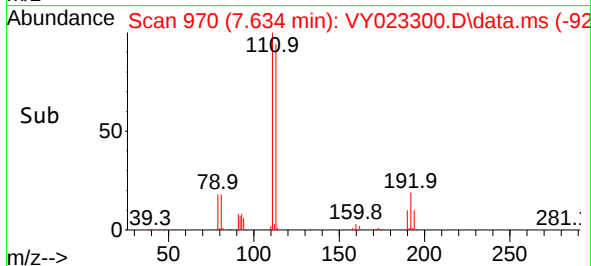
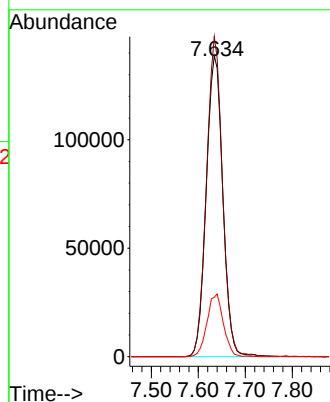
Tgt Ion:113 Resp: 338152

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 20.7 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.242 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023300.D

Acq: 05 Sep 2025 15:48

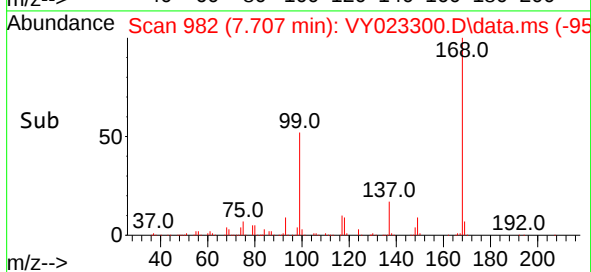
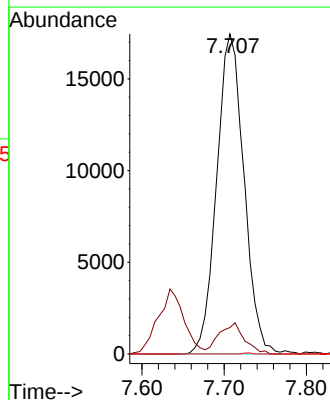
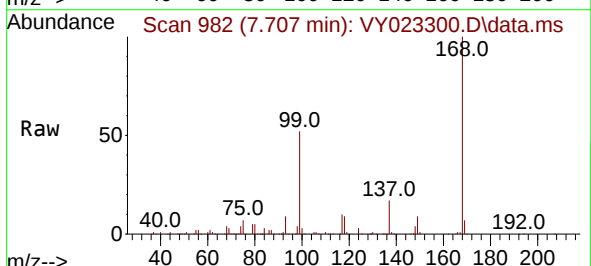
Tgt Ion: 75 Resp: 40205

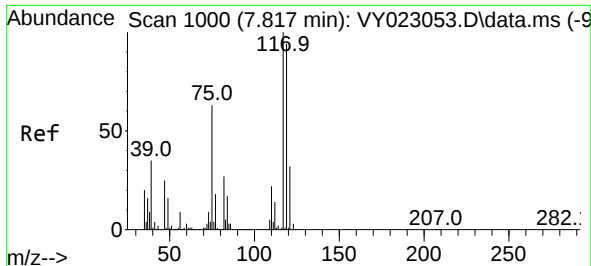
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

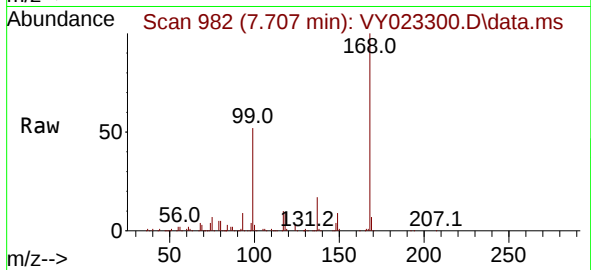
77 0.1 24.6 37.0#



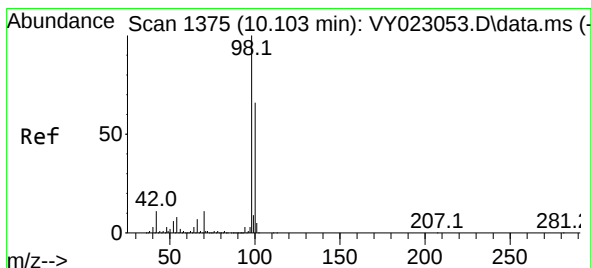
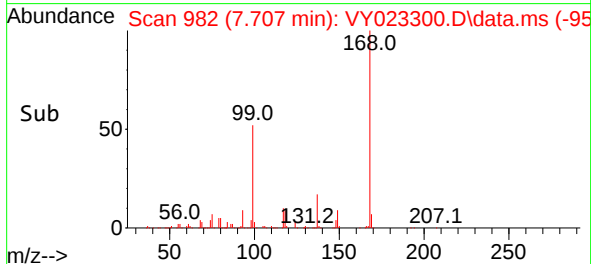
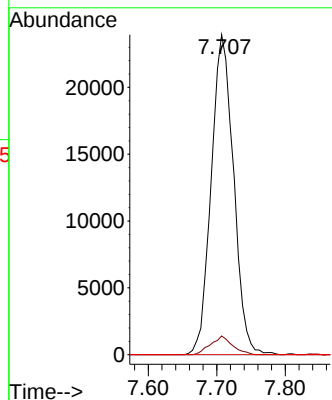


#38
Carbon Tetrachloride
Concen: 5.274 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :

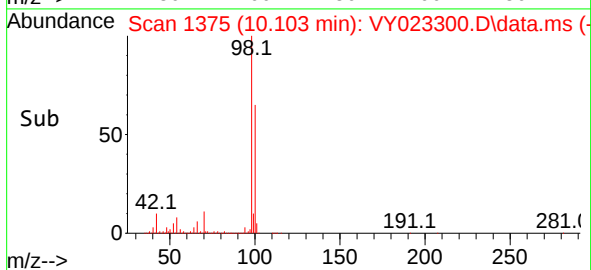
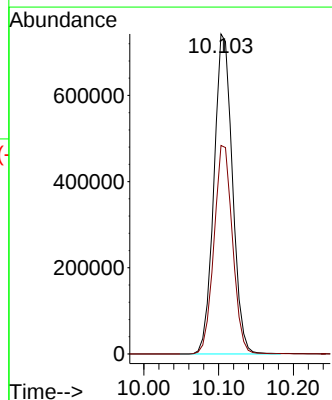
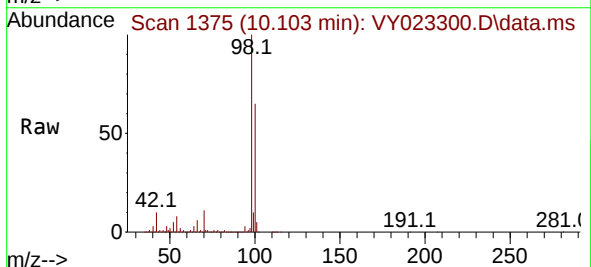


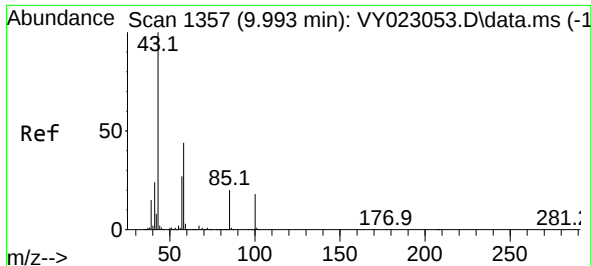
Tgt Ion:117 Resp: 54284
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.192 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

Tgt Ion: 98 Resp: 1275360
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

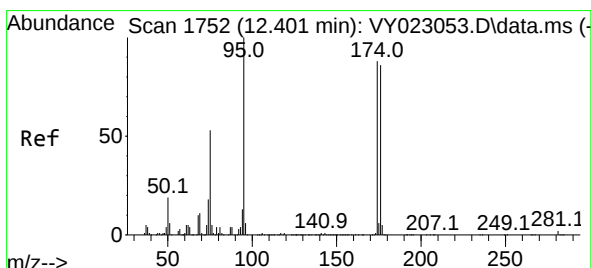
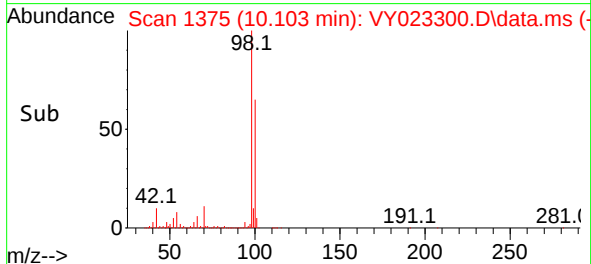
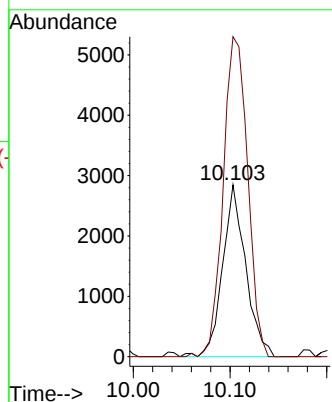
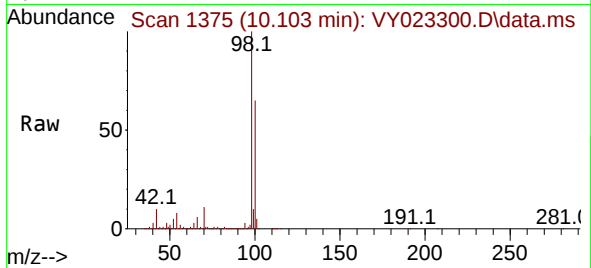




#51
4-Methyl-2-Pentanone
Concen: 1.139 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

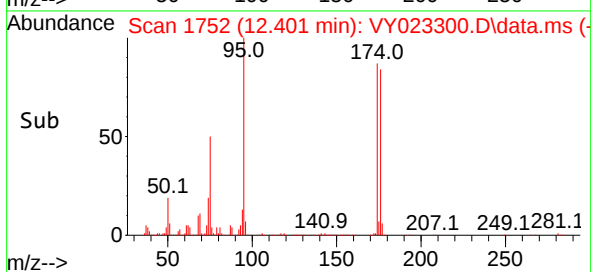
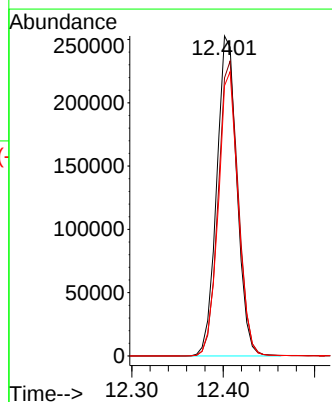
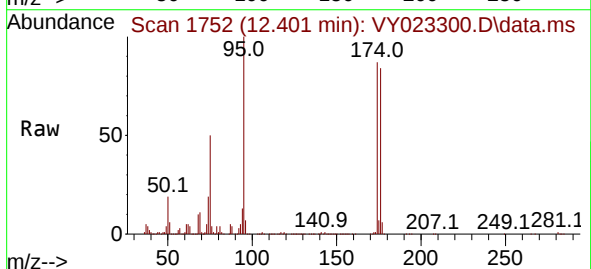
Instrument :
MSVOA_Y
ClientSampleId :

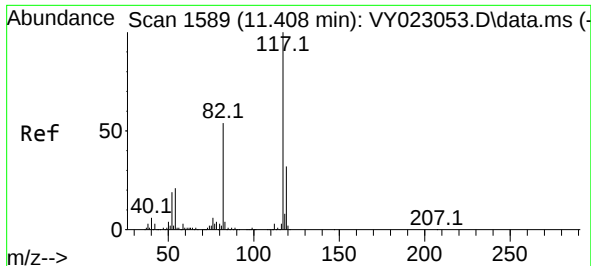
Tgt Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
58 196.5 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 48.443 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

Tgt Ion: 95 Resp: 388121
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 88.1 0.0 167.6

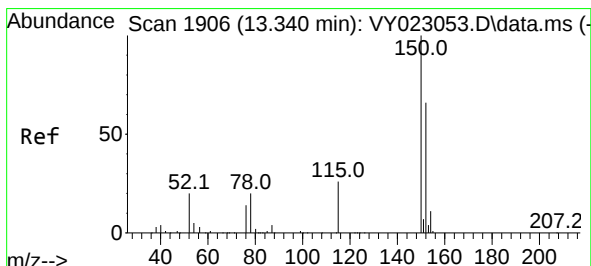
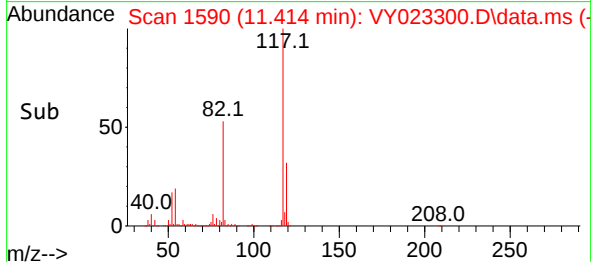
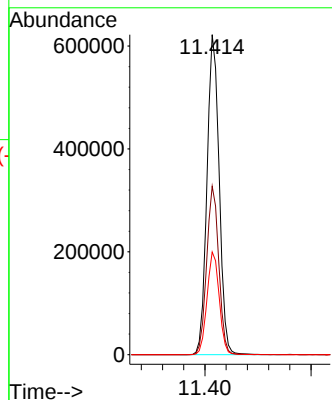
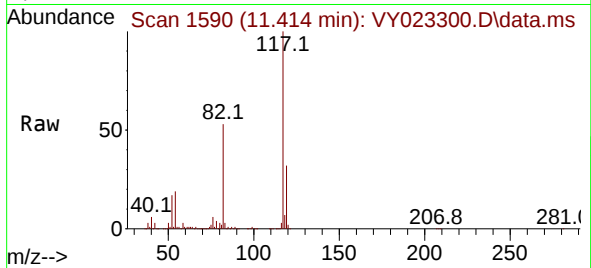




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

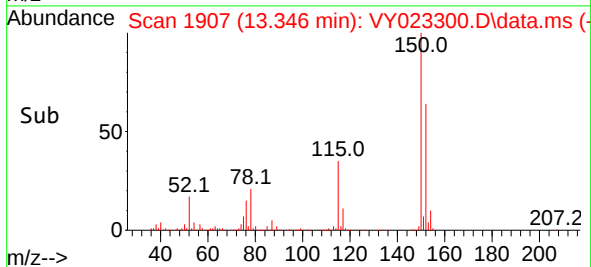
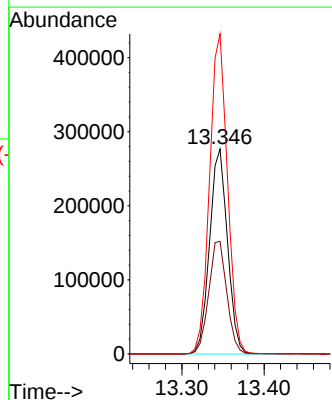
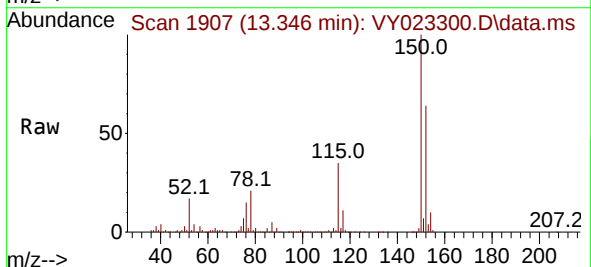
Instrument :
MSVOA_Y
ClientSampleId :

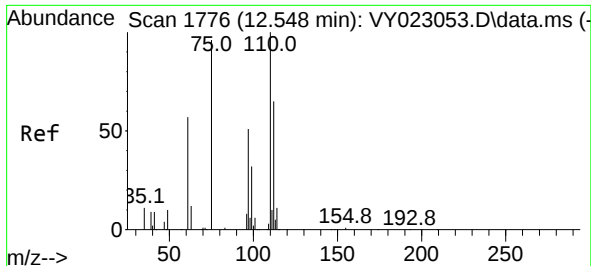
Tgt Ion:117 Resp: 989237
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

Tgt Ion:152 Resp: 418727
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 155.9 0.0 348.0

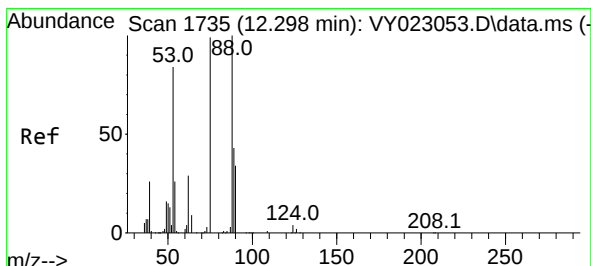
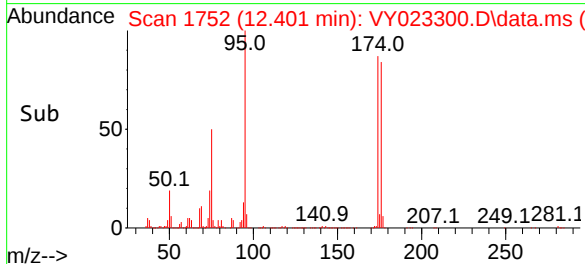
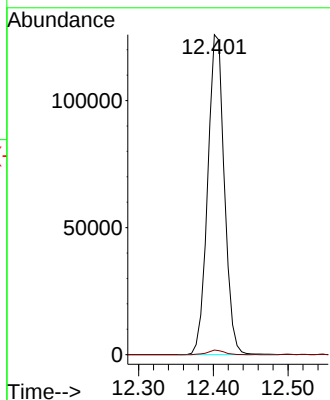
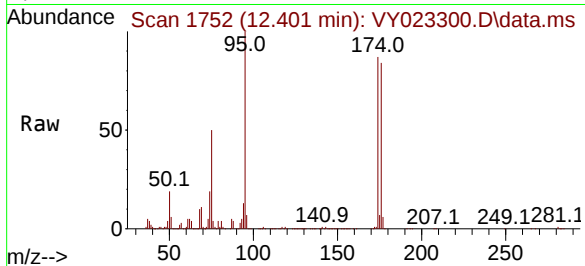




#76
1,2,3-Trichloropropane
Concen: 48.202 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 194791
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.681 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023300.D
Acq: 05 Sep 2025 15:48

Tgt Ion: 75 Resp: 194791
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

