

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023327.D
 Acq On : 10 Sep 2025 12:25
 Operator : SY/MD
 Sample : Q3059-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-09092025

Quant Time: Sep 11 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

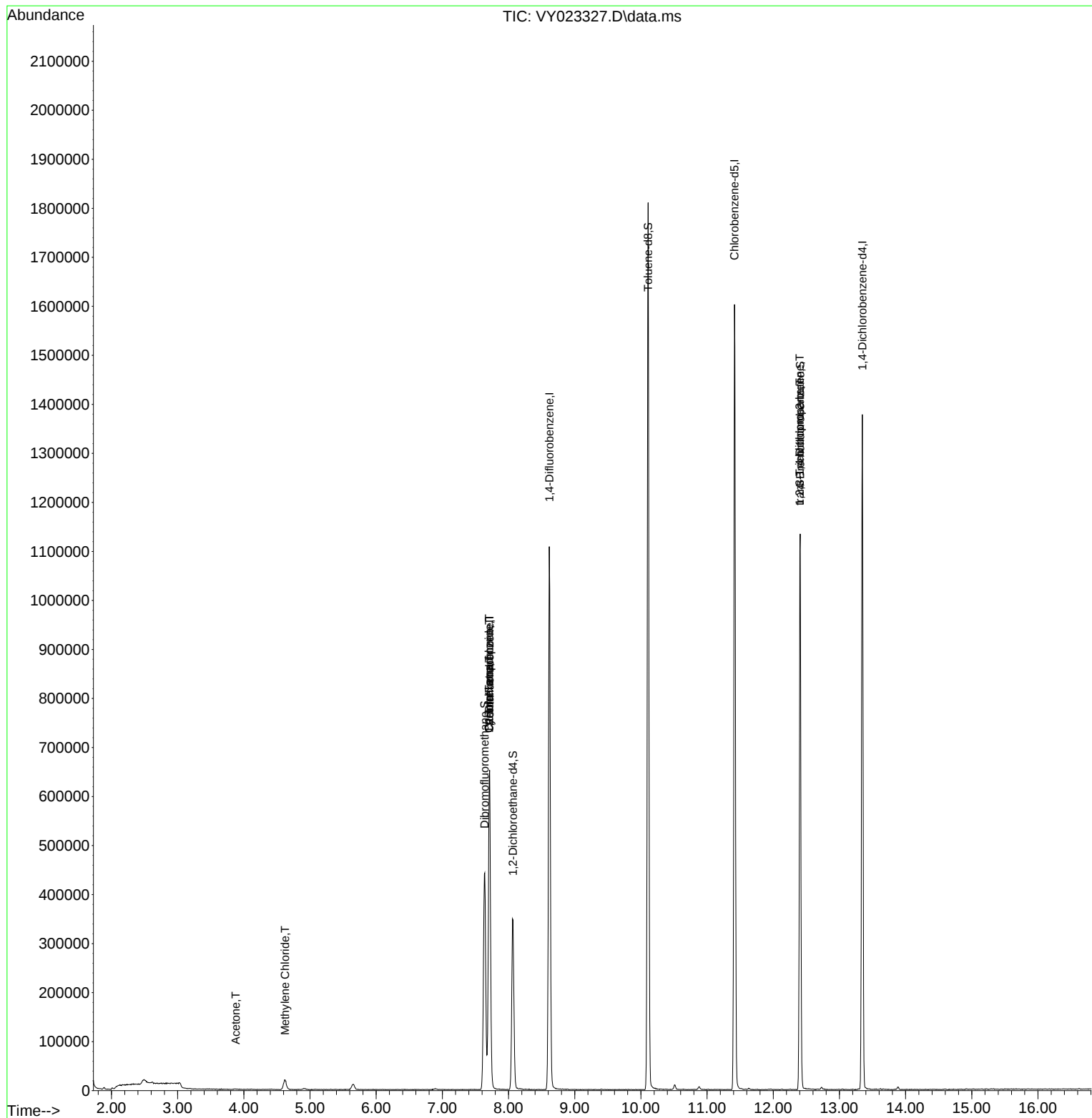
Internal Standards						
1) Pentafluorobenzene	7.713	168	524364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	977395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	887132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	363041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	277833	60.298	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.600%	
35) Dibromofluoromethane	7.640	113	323236	54.103	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.200%	
50) Toluene-d8	10.109	98	1161022	51.464	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.920%	
62) 4-Bromofluorobenzene	12.407	95	342731	48.275	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.540%	
Target Compounds						Qvalue
16) Acetone	3.879	43	1153	1.099	ug/l #	80
20) Methylene Chloride	4.622	84	15895	2.831	ug/l #	84
31) Cyclohexane	7.707	56	9838	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	37160	4.367	ug/l #	50
38) Carbon Tetrachloride	7.707	117	50944	5.203	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	172148	46.824	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	172148	127.694	ug/l #	14

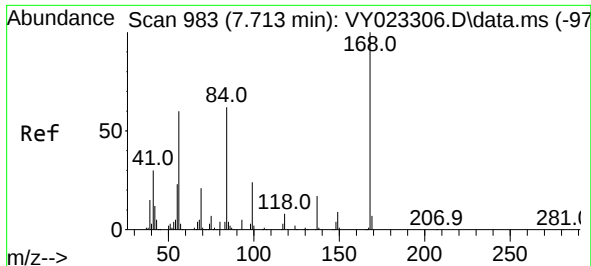
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
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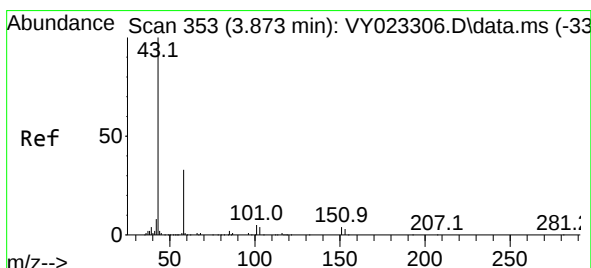
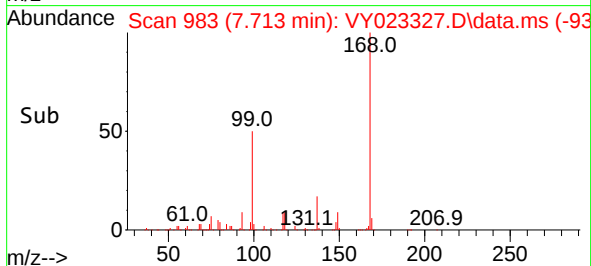
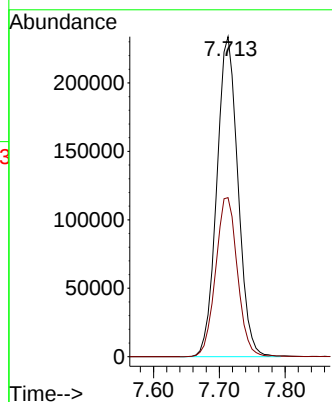
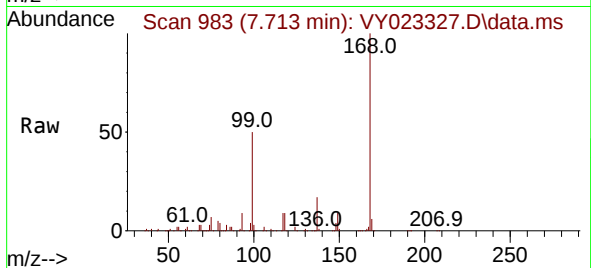




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

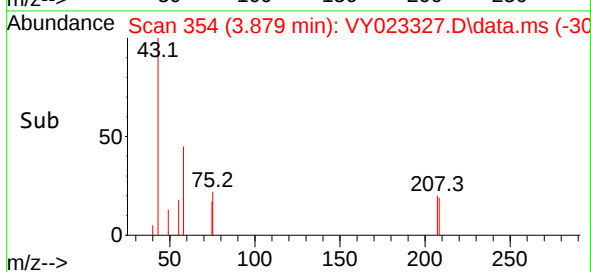
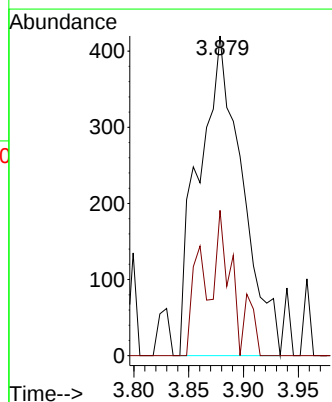
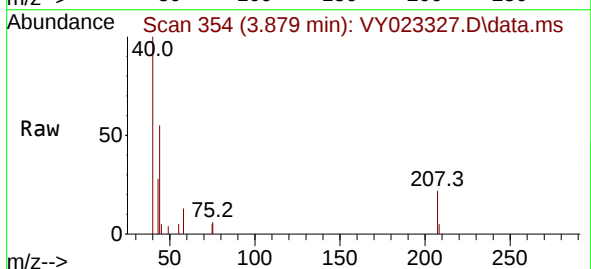
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-09092025

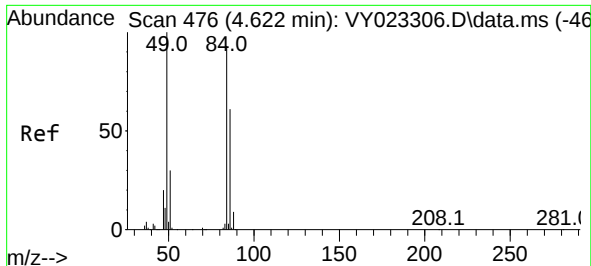
Tgt Ion:168 Resp: 524364
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#16
Acetone
Concen: 1.099 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 45.5 27.1 40.7#

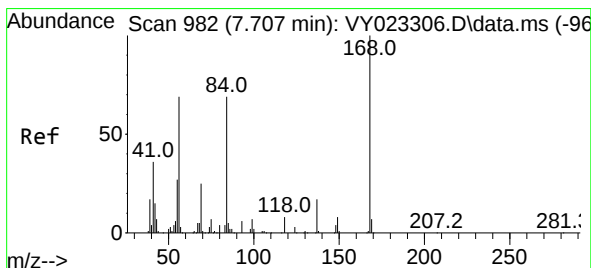
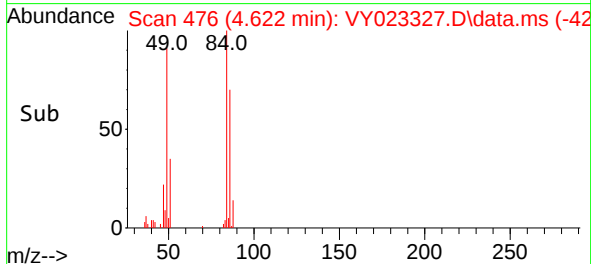
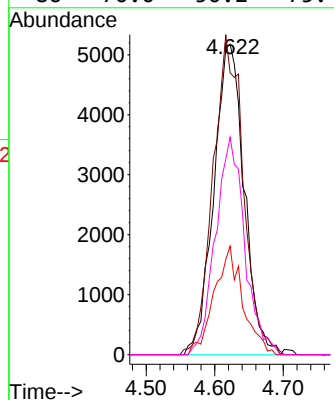
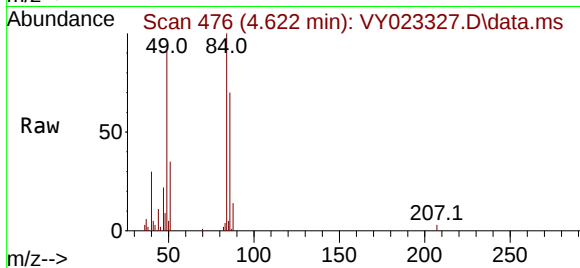




#20
Methylene Chloride
Concen: 2.831 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

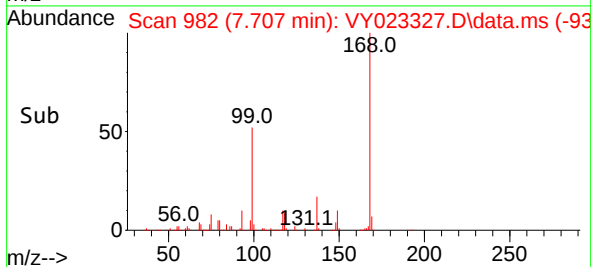
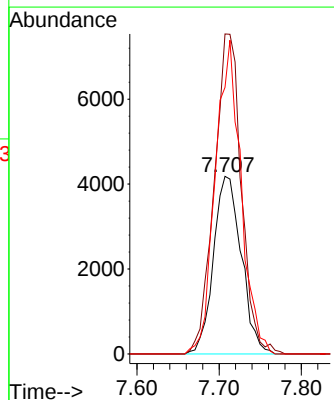
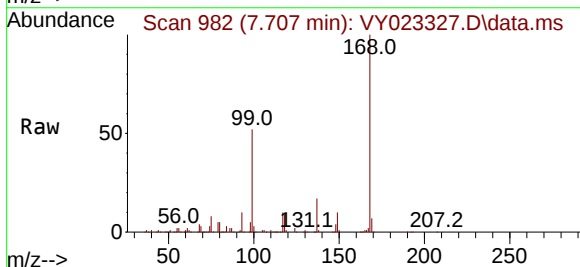
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-09092025

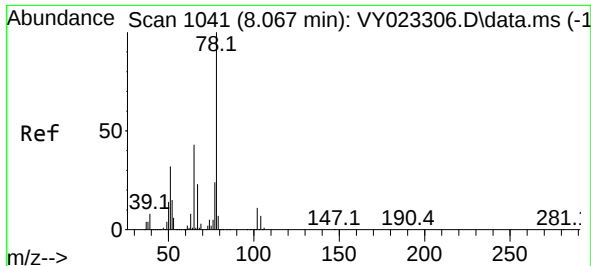
Tgt Ion:	84	Resp:	15895
Ion	Ratio	Lower	Upper
84	100		
49	90.8	93.0	139.6#
51	35.0	29.0	43.4
86	70.0	50.2	75.4



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

Tgt Ion:	56	Resp:	9838
Ion	Ratio	Lower	Upper
56	100		
69	180.2	28.2	42.2#
84	150.1	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 60.298 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023327.D

Acq: 10 Sep 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

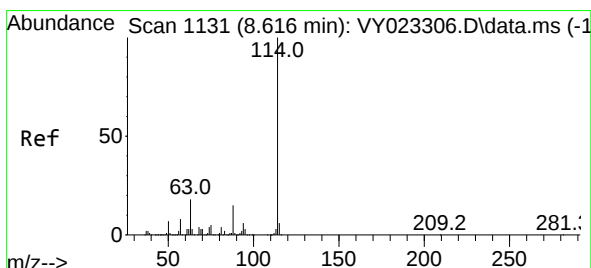
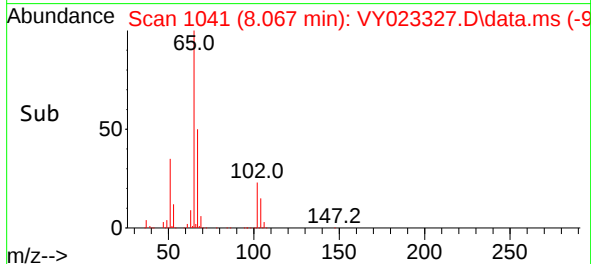
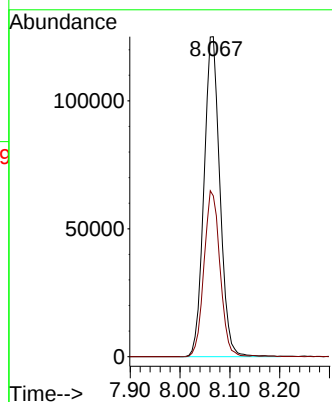
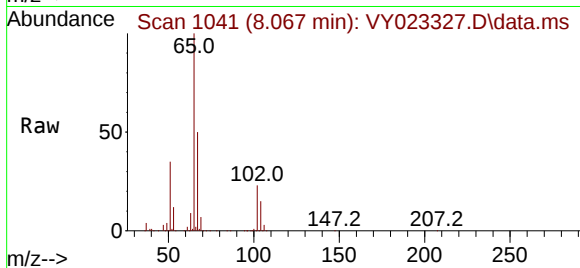
TR-06-09092025

Tgt Ion: 65 Resp: 277833

Ion Ratio Lower Upper

65 100

67 52.0 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: VY023327.D

Acq: 10 Sep 2025 12:25

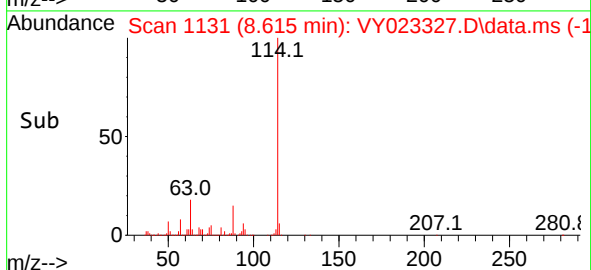
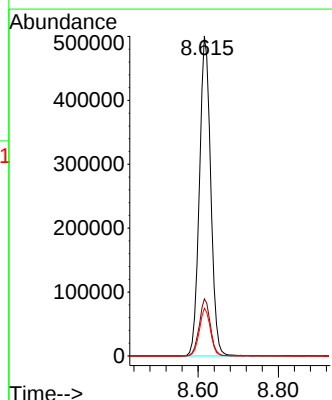
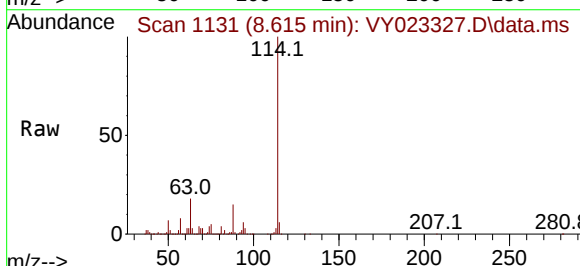
Tgt Ion: 114 Resp: 977395

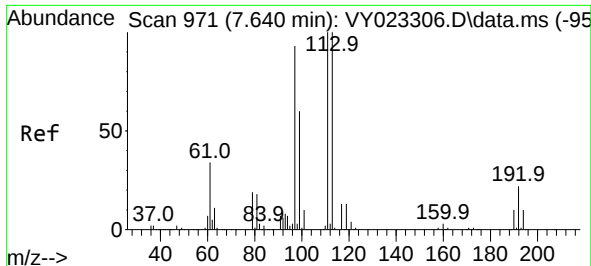
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.9 0.0 30.0

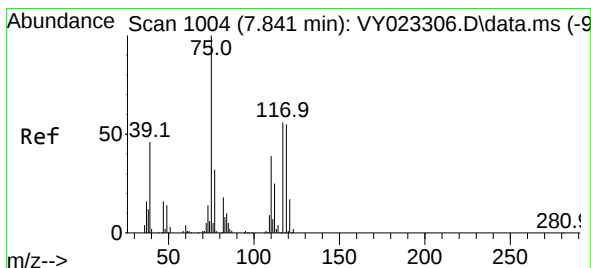
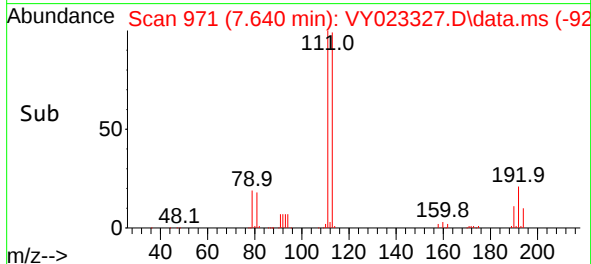
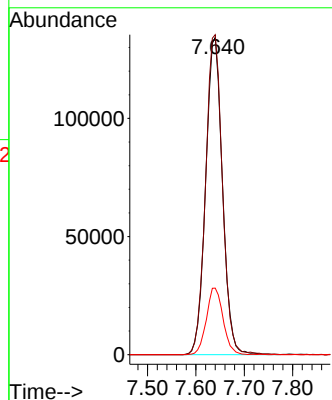
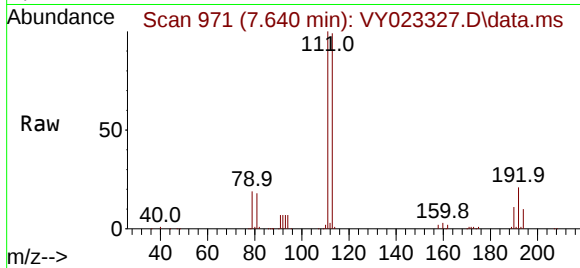




#35
Dibromofluoromethane
Concen: 54.103 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

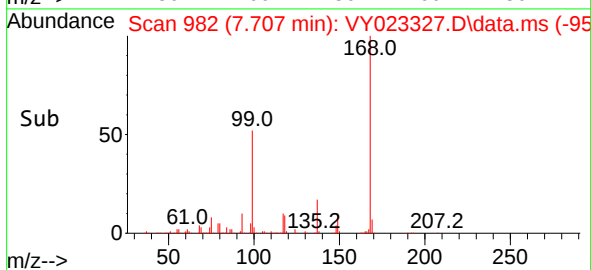
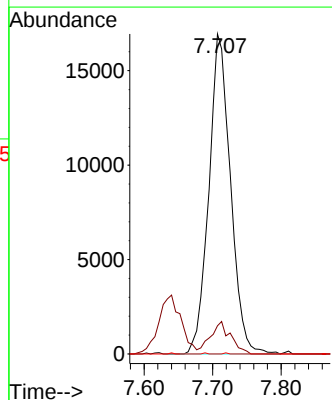
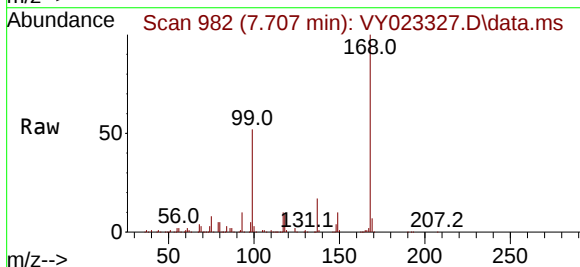
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-09092025

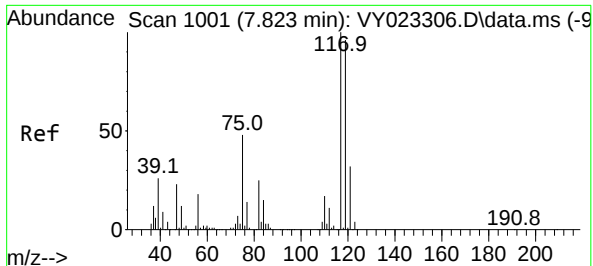
Tgt Ion:113 Resp: 323236
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 21.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 75 Resp: 37160
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.1 24.6 37.0#

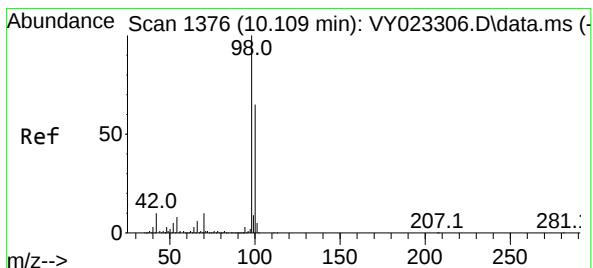
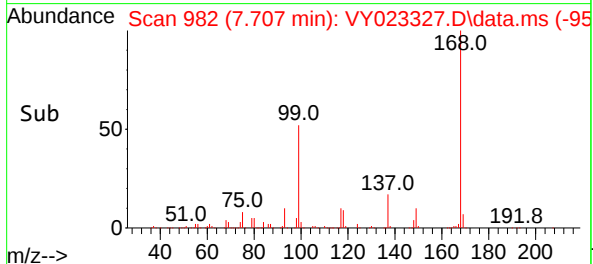
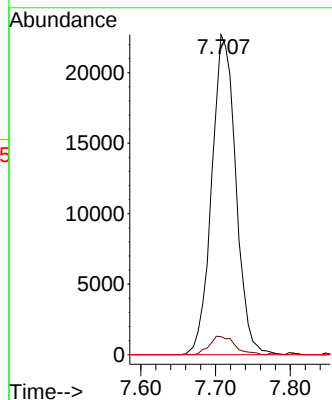
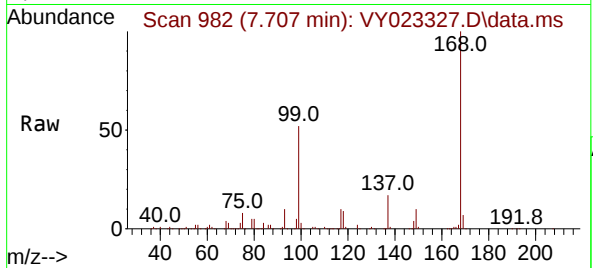




#38
Carbon Tetrachloride
Concen: 5.203 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

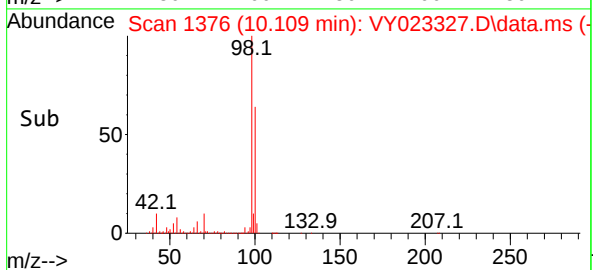
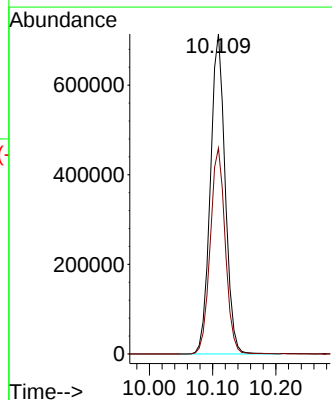
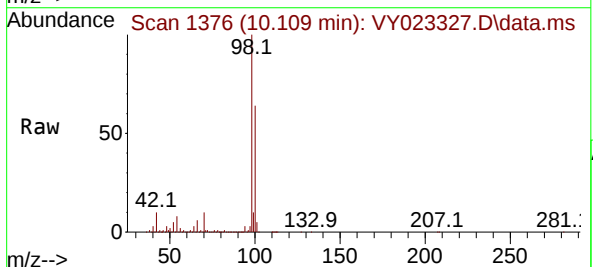
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-09092025

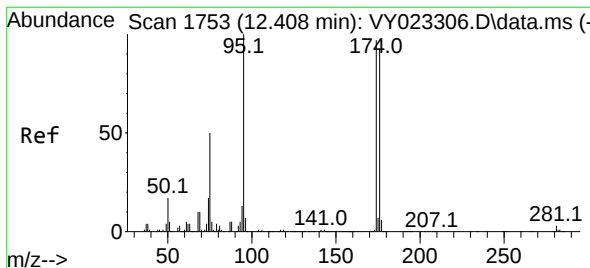
Tgt Ion:117 Resp: 50944
Ion Ratio Lower Upper
117 100
119 5.7 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.464 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023327.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 98 Resp: 1161022
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 48.275 ug/l

RT: 12.407 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023327.D

Acq: 10 Sep 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-09092025

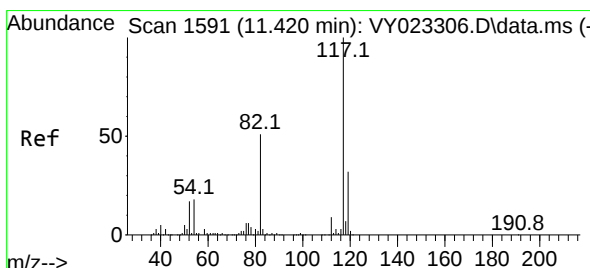
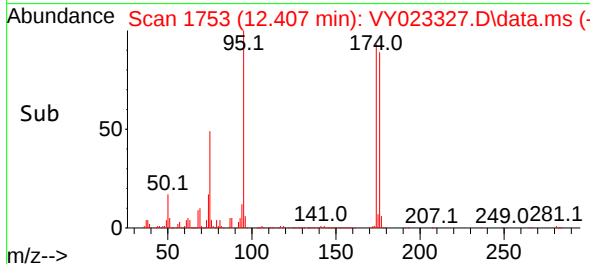
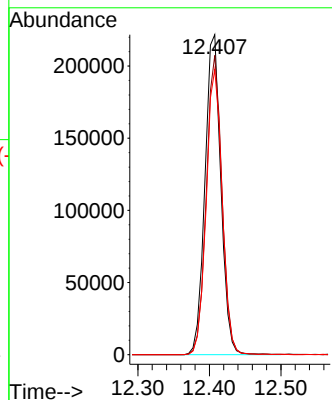
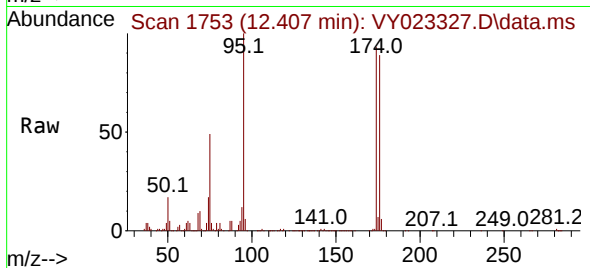
Tgt Ion: 95 Resp: 342731

Ion Ratio Lower Upper

95 100

174 92.3 0.0 171.6

176 89.1 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: VY023327.D

Acq: 10 Sep 2025 12:25

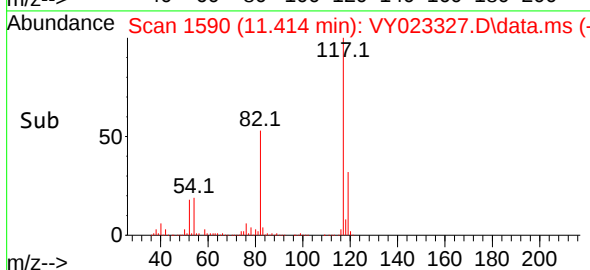
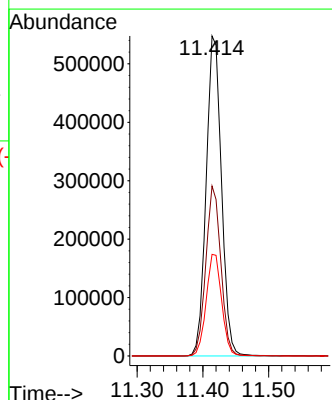
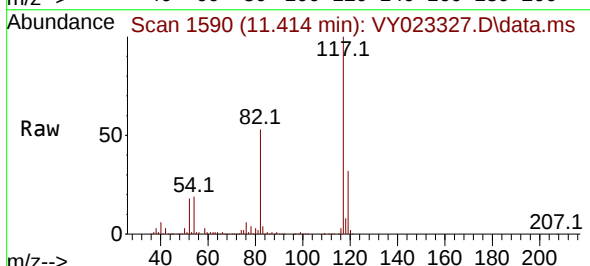
Tgt Ion: 117 Resp: 887132

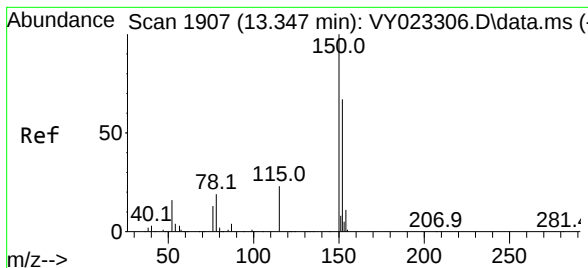
Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.8 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: VY023327.D

Acq: 10 Sep 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-09092025

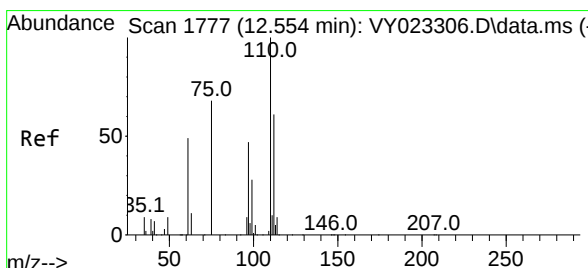
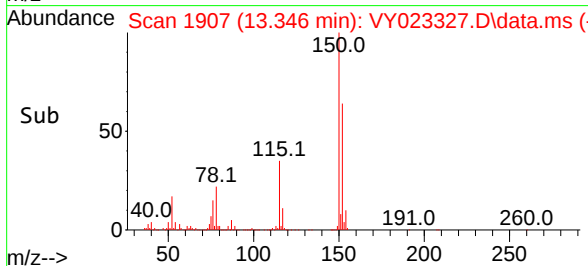
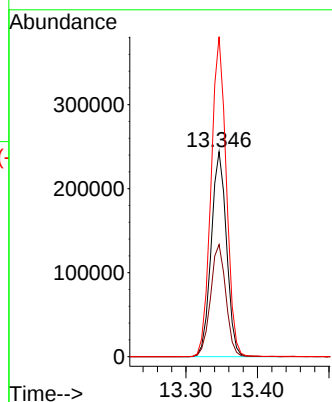
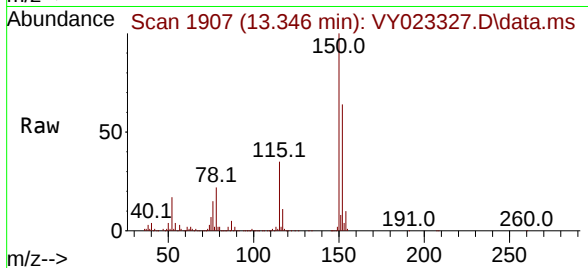
Tgt Ion:152 Resp: 363041

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.6

150 155.5 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 46.824 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023327.D

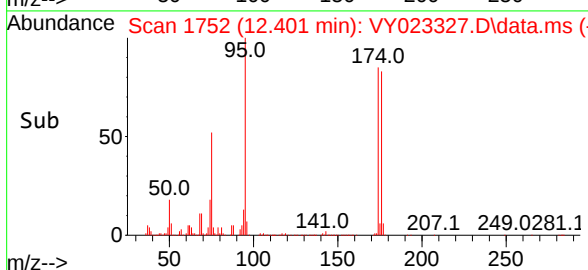
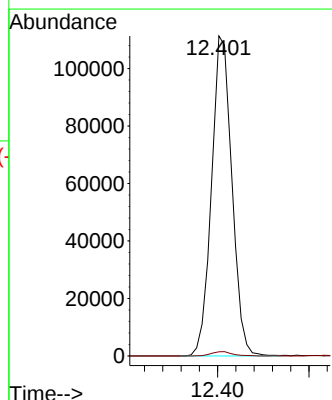
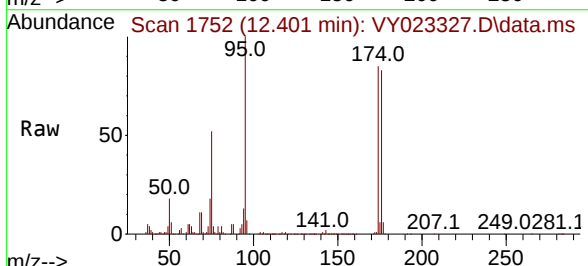
Acq: 10 Sep 2025 12:25

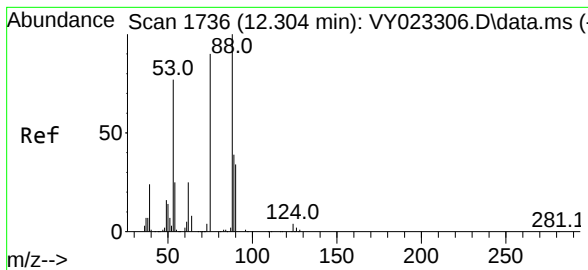
Tgt Ion: 75 Resp: 172148

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.694 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023327.D
 Acq: 10 Sep 2025 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-09092025

Tgt Ion: 75 Resp: 172148
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.1 38.1 57.1#

