

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022703.D
 Acq On : 16 Jun 2025 12:56
 Operator : SY/MD
 Sample : Q2323-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-06132025

Quant Time: Jun 17 05:53:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

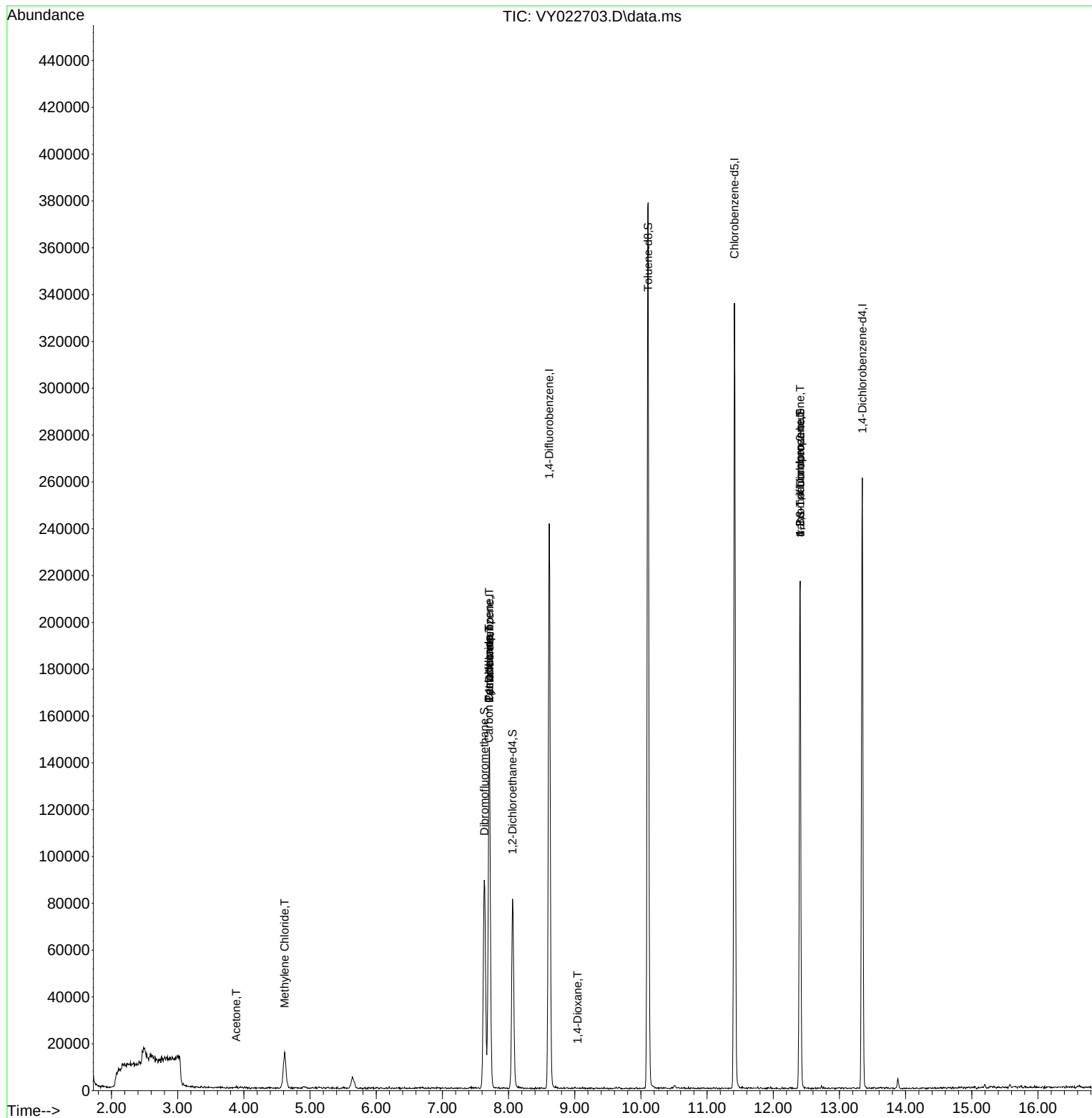
Internal Standards						
1) Pentafluorobenzene	7.713	168	108912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	201472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	164248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	61653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	61311	50.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.660%	
35) Dibromofluoromethane	7.634	113	62226	51.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.500%	
50) Toluene-d8	10.109	98	241263	49.652	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.300%	
62) 4-Bromofluorobenzene	12.407	95	61190	42.266	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.540%	
Target Compounds						Qvalue
16) Acetone	3.885	43	424	1.714	ug/l	98
20) Methylene Chloride	4.616	84	10310	7.337	ug/l	86
31) Cyclohexane	7.707	56	3158	1.349	ug/l #	19
36) 1,1-Dichloropropene	7.707	75	9612	4.925	ug/l #	51
38) Carbon Tetrachloride	7.701	117	10895	5.442	ug/l #	19
49) 1,4-Dioxane	9.042	88	20	2.203	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	35633	50.519	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	35633	122.001	ug/l #	11

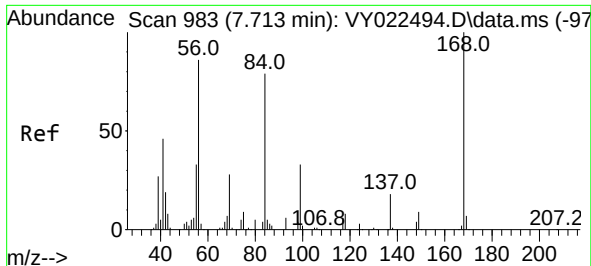
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

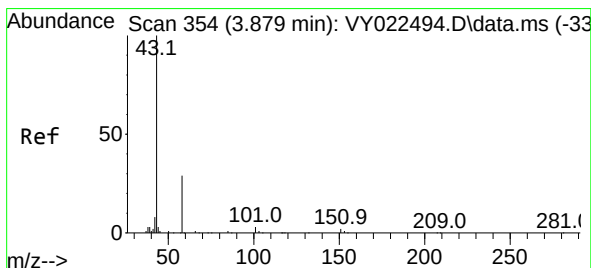
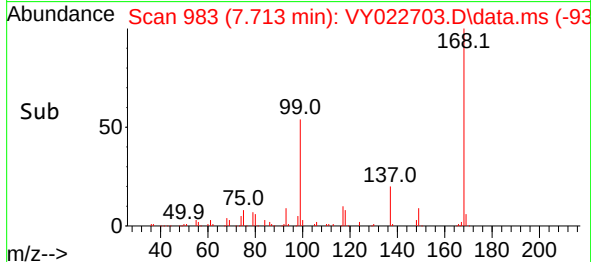
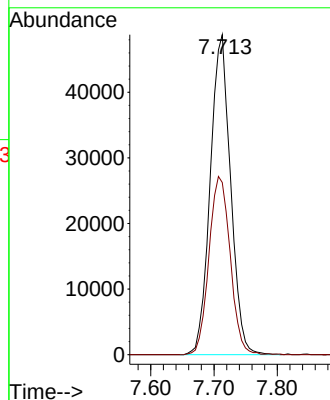
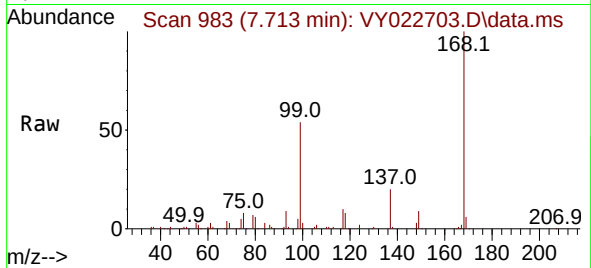




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

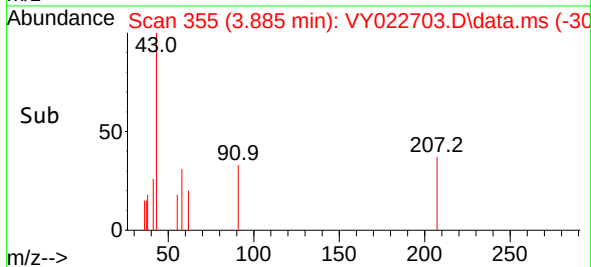
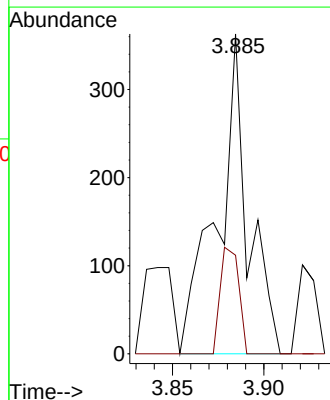
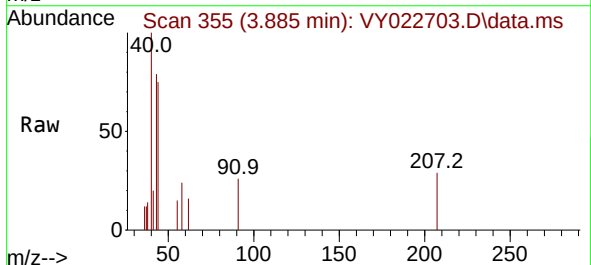
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-06132025

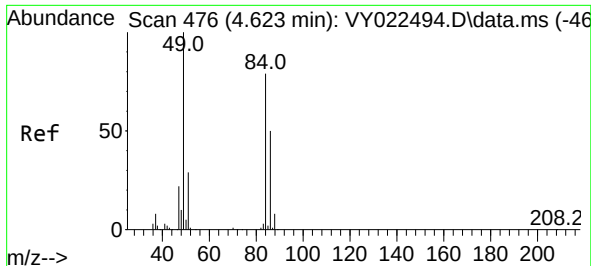
Tgt Ion:168 Resp: 108912
Ion Ratio Lower Upper
168 100
99 53.8 44.3 66.5



#16
Acetone
Concen: 1.714 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

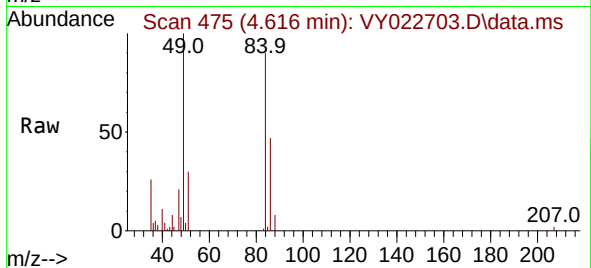
Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
58 30.9 24.0 36.0



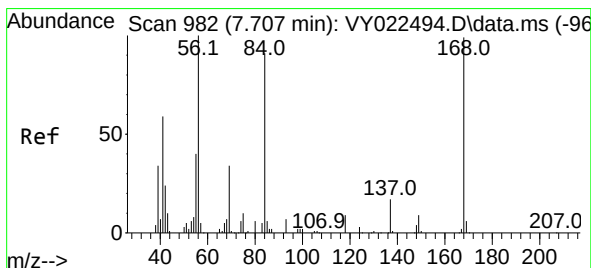
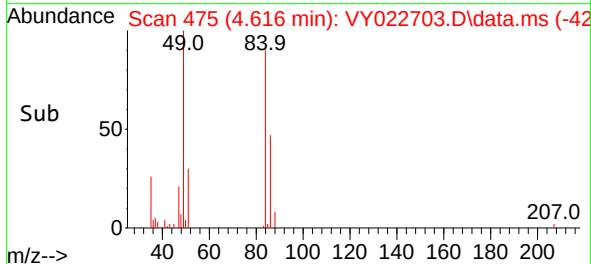
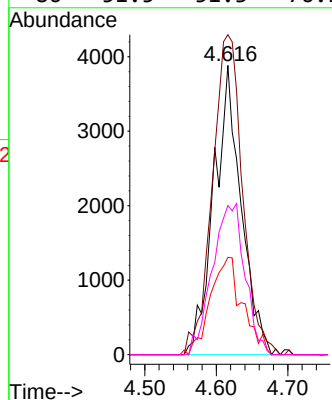


#20
Methylene Chloride
Concen: 7.337 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

Instrument :
MSVOA_Y
ClientSampleId :
PL-01-06132025

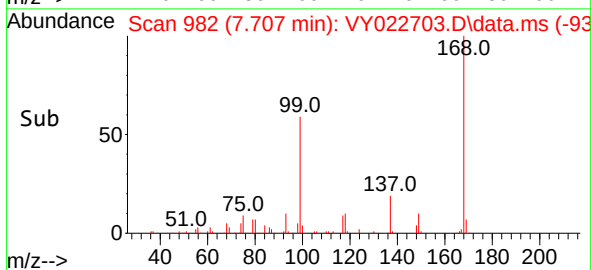
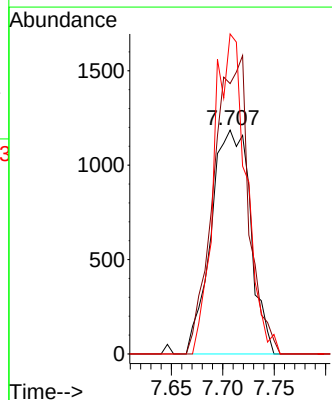
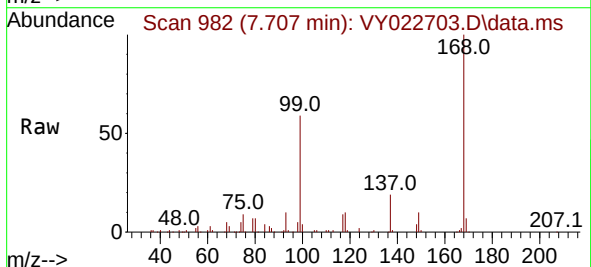


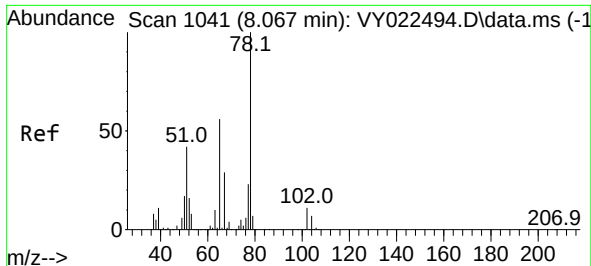
Tgt Ion:	84	Resp:	10310
Ion	Ratio	Lower	Upper
84	100		
49	110.6	101.9	152.9
51	33.6	29.8	44.8
86	51.5	51.3	76.9



#31
Cyclohexane
Concen: 1.349 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

Tgt Ion:	56	Resp:	3158
Ion	Ratio	Lower	Upper
56	100		
69	120.7	27.0	40.6#
84	142.9	72.6	109.0#

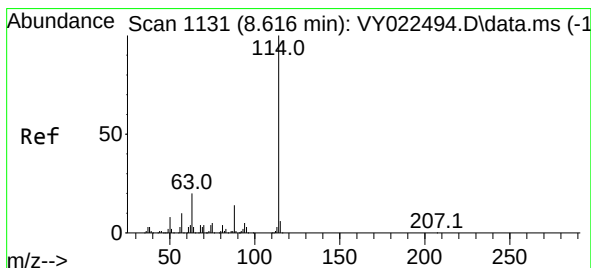
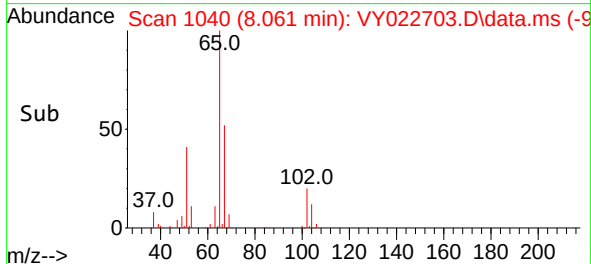
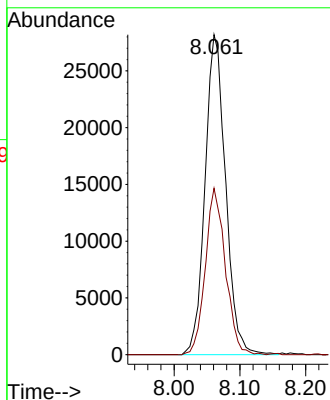
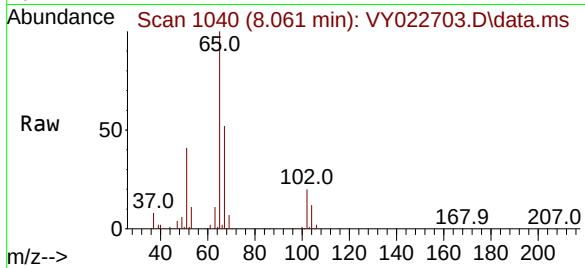




#33
 1,2-Dichloroethane-d4
 Concen: 50.332 ug/l
 RT: 8.061 min Scan# 1041
 Delta R.T. -0.006 min
 Lab File: VY022703.D
 Acq: 16 Jun 2025 12:56

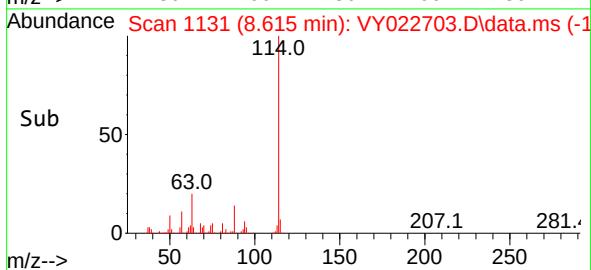
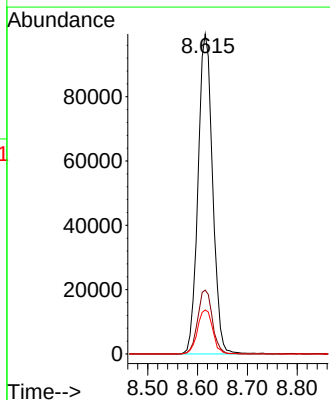
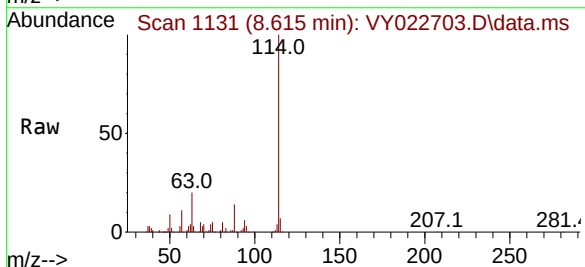
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-06132025

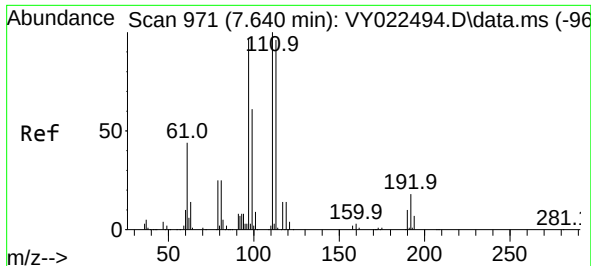
Tgt Ion: 65 Resp: 61311
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022703.D
 Acq: 16 Jun 2025 12:56

Tgt Ion: 114 Resp: 201472
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 13.8 0.0 27.8

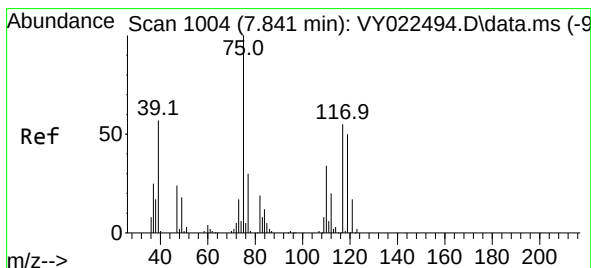
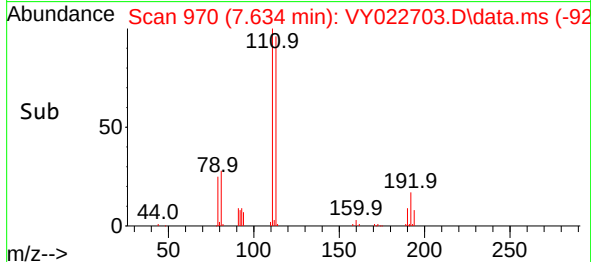
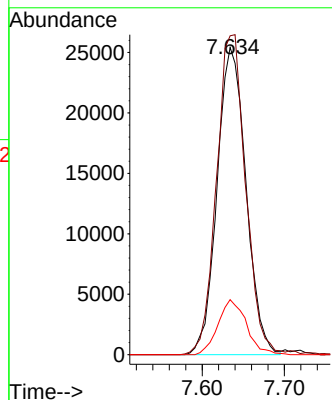
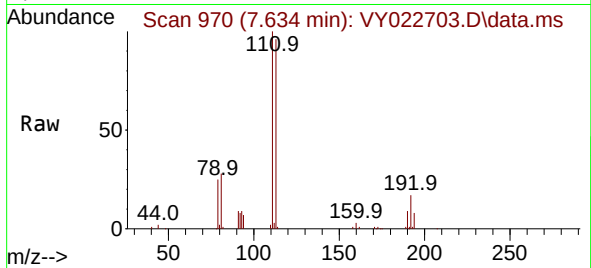




#35
Dibromofluoromethane
Concen: 51.745 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

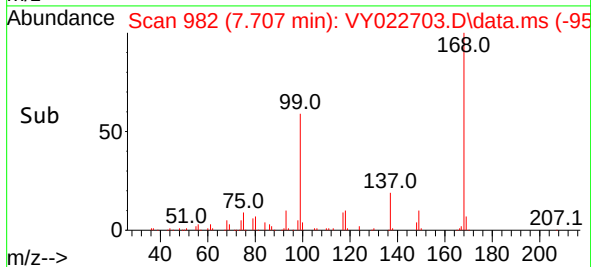
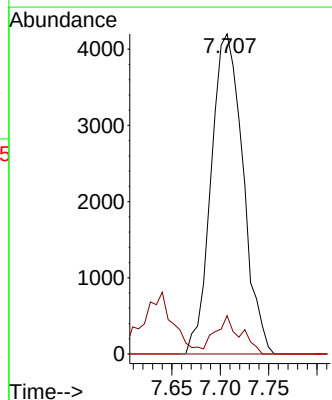
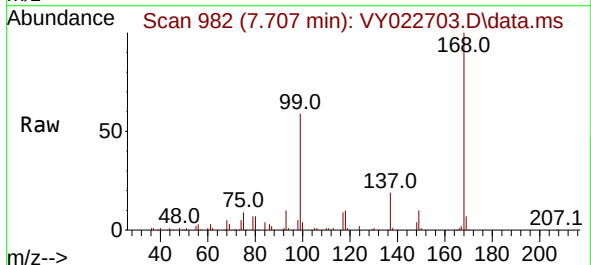
Instrument :
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ClientSampleId :
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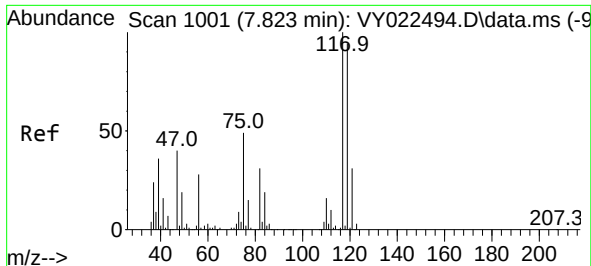
Tgt Ion:113 Resp: 62226
Ion Ratio Lower Upper
113 100
111 105.5 81.1 121.7
192 17.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

Tgt Ion: 75 Resp: 9612
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 24.8 37.2#

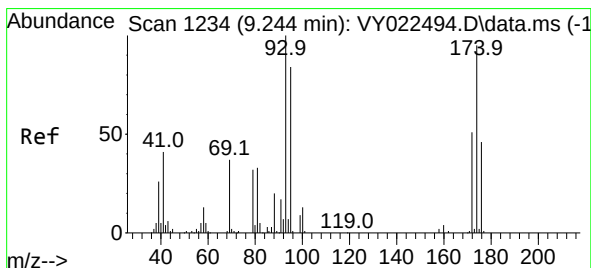
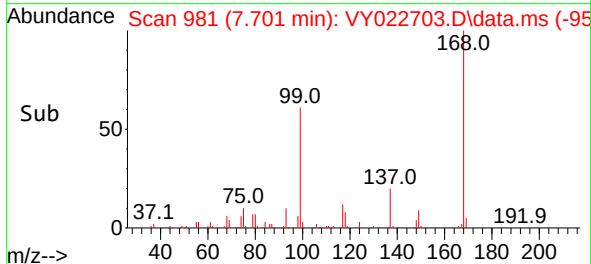
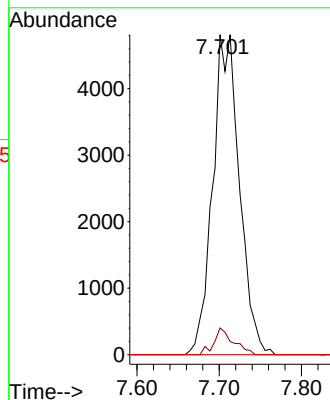
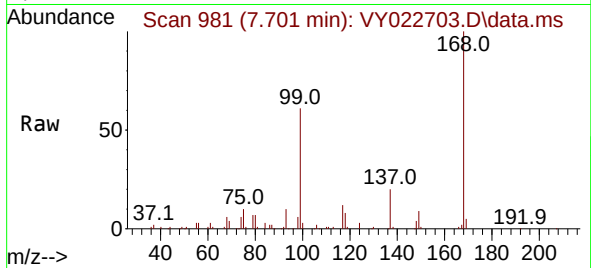




#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

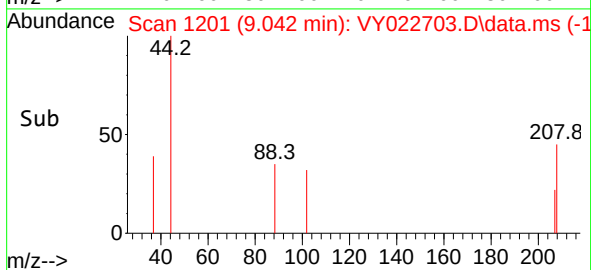
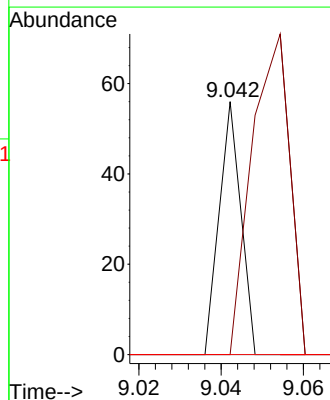
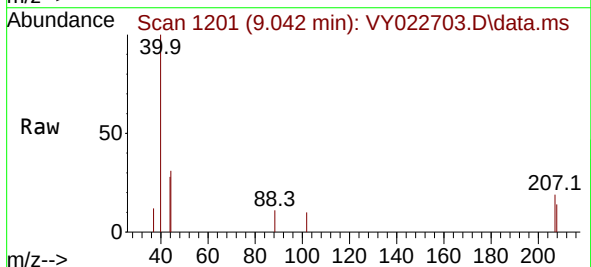
Instrument :
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ClientSampleId :
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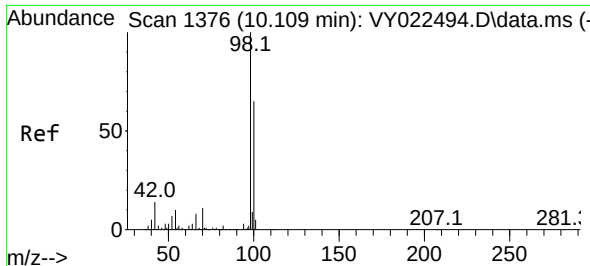
Tgt Ion:117 Resp: 10895
Ion Ratio Lower Upper
117 100
119 8.3 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.203 ug/l
RT: 9.042 min Scan# 1201
Delta R.T. -0.201 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 225.0 25.4 38.2#
58 0.0 54.9 82.3#

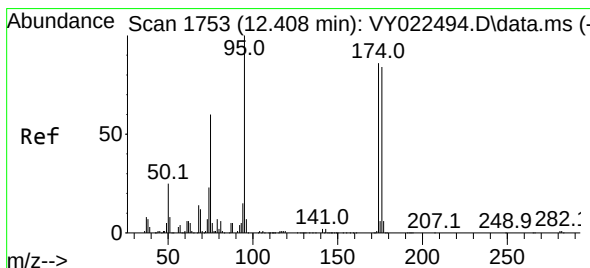
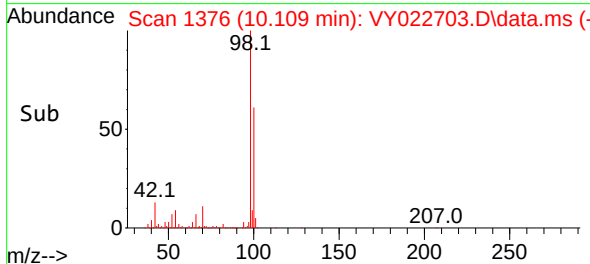
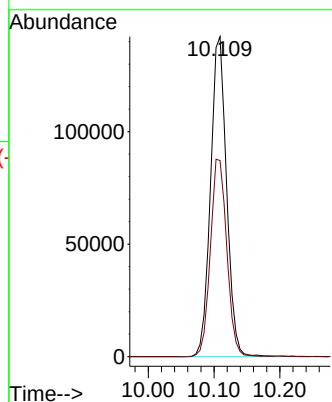
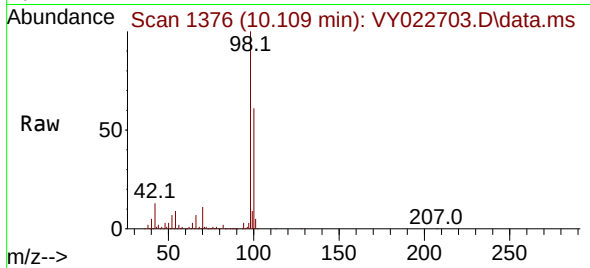




#50
Toluene-d8
Concen: 49.652 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

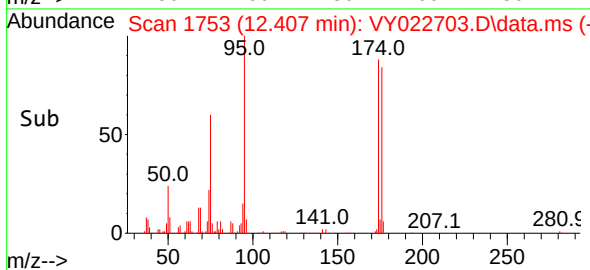
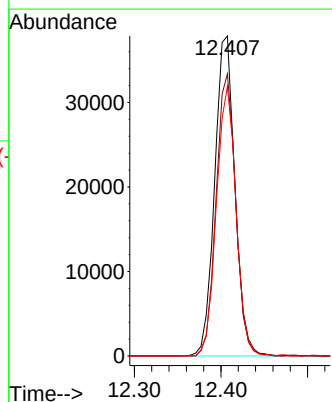
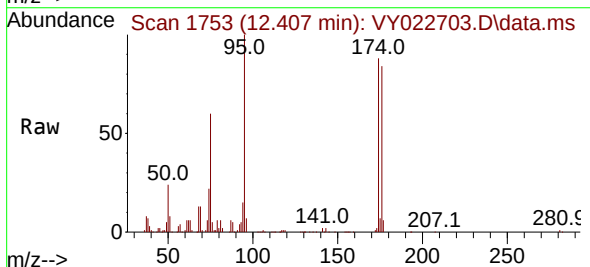
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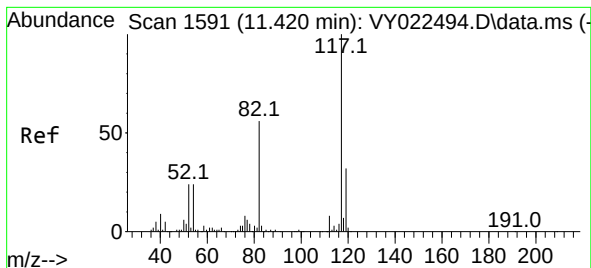
Tgt Ion: 98 Resp: 241263
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.266 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

Tgt Ion: 95 Resp: 61190
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 81.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022703.D

Acq: 16 Jun 2025 12:56

Instrument :

MSVOA_Y

ClientSampleId :

PL-01-06132025

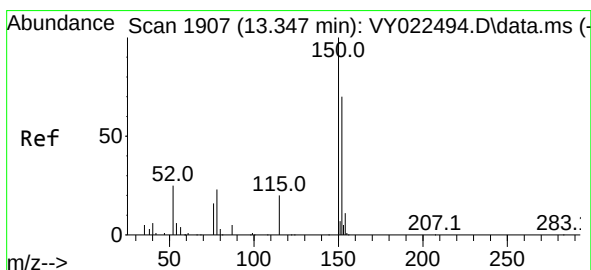
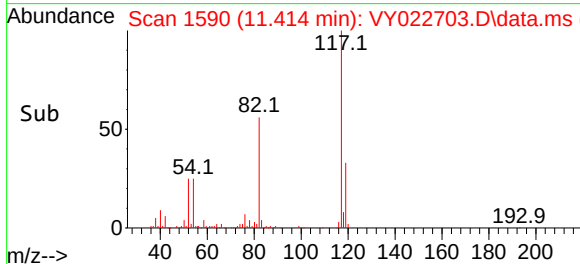
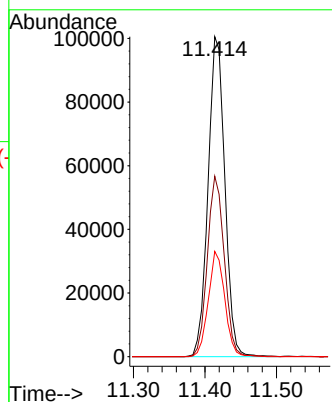
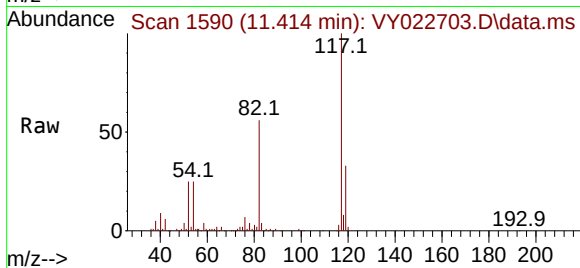
Tgt Ion:117 Resp: 164248

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022703.D

Acq: 16 Jun 2025 12:56

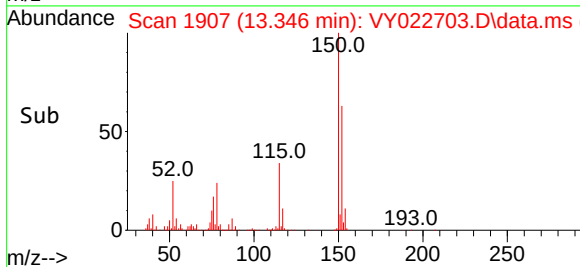
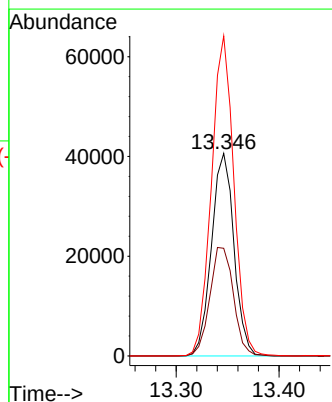
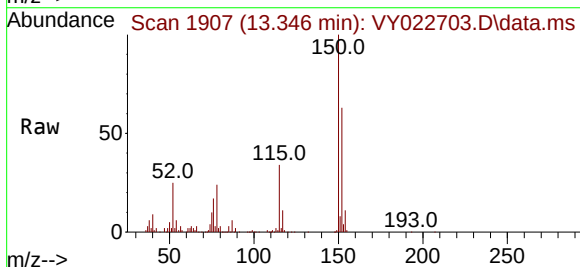
Tgt Ion:152 Resp: 61653

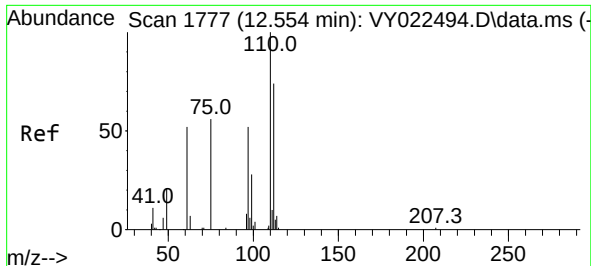
Ion Ratio Lower Upper

152 100

115 56.3 28.9 86.7

150 157.3 0.0 349.6

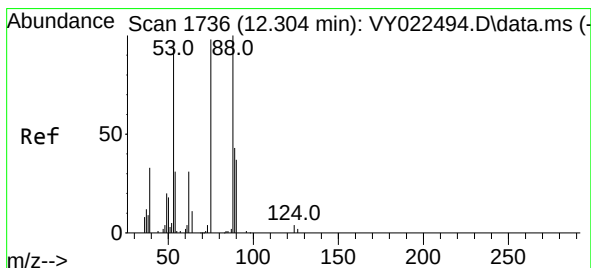
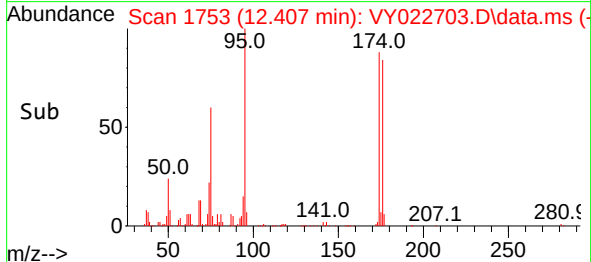
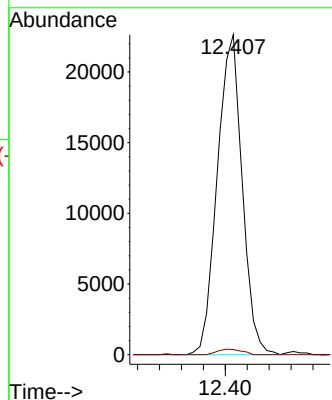
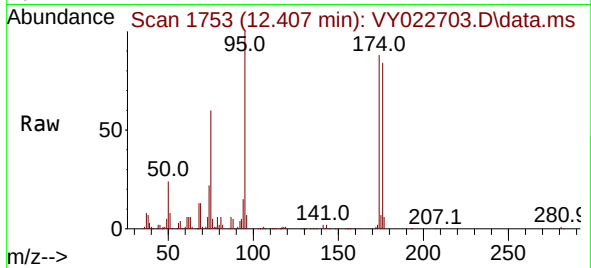




#76
1,2,3-Trichloropropane
Concen: 50.519 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

Instrument :
MSVOA_Y
ClientSampleId :
PL-01-06132025

Tgt Ion: 75 Resp: 35633
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.001 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022703.D
Acq: 16 Jun 2025 12:56

Tgt Ion: 75 Resp: 35633
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.5 35.7 53.5#

