

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021728.D
 Acq On : 31 Mar 2025 18:32
 Operator : SY/MD
 Sample : Q1674-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11991

Quant Time: Apr 01 05:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

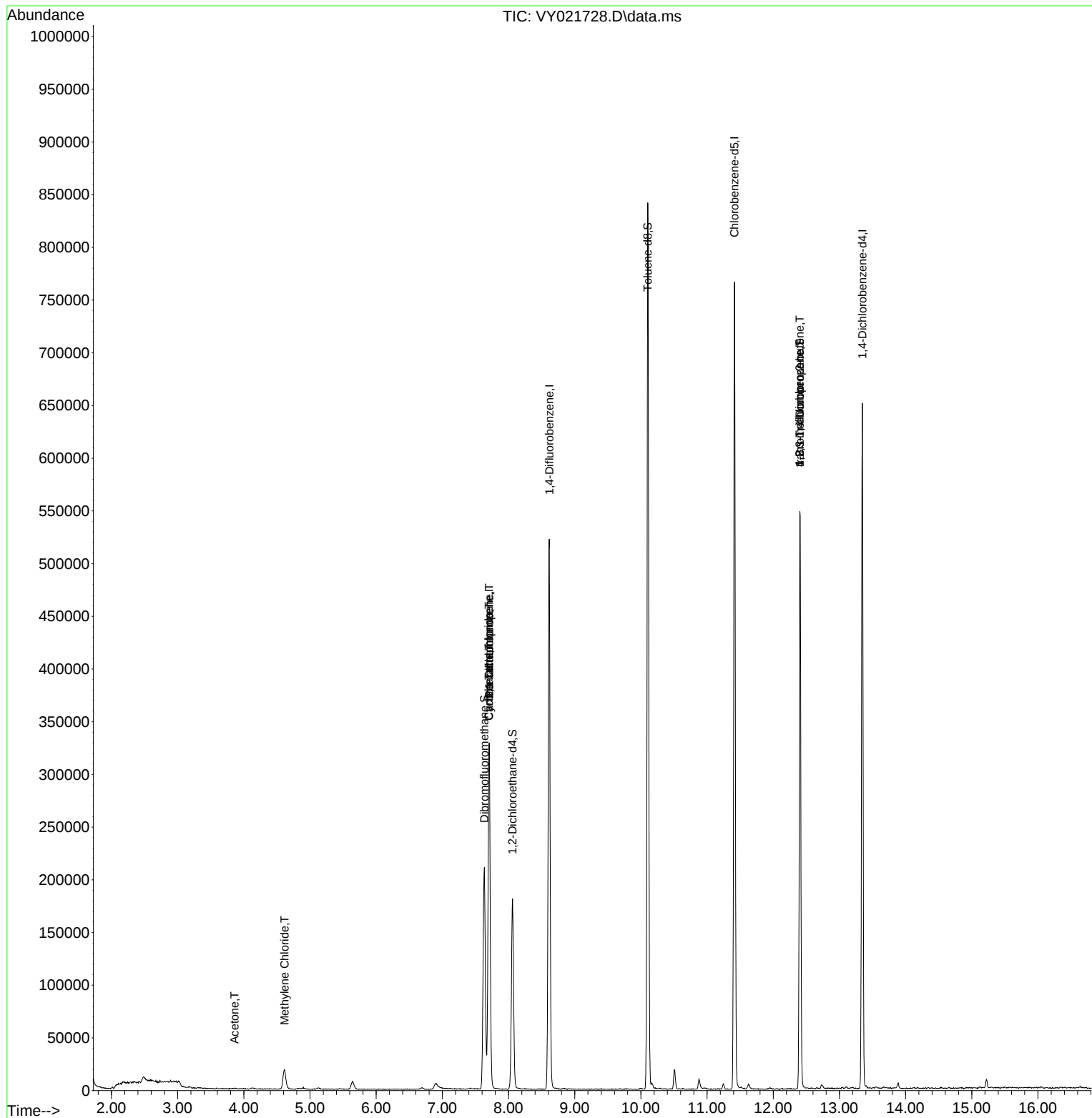
Internal Standards						
1) Pentafluorobenzene	7.707	168	244724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139045	52.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.880%	
35) Dibromofluoromethane	7.634	113	146478	51.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.240%	
50) Toluene-d8	10.103	98	527343	48.846	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.700%	
62) 4-Bromofluorobenzene	12.401	95	166908	45.707	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.420%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1662	3.063	ug/l #	79
20) Methylene Chloride	4.616	84	13427	1.289	ug/l	88
31) Cyclohexane	7.701	56	5655	1.208	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	20786	4.809	ug/l #	51
38) Carbon Tetrachloride	7.701	117	24773	5.004	ug/l #	18
76) 1,2,3-Trichloropropane	12.401	75	87954	55.064	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	87954	126.877	ug/l #	12

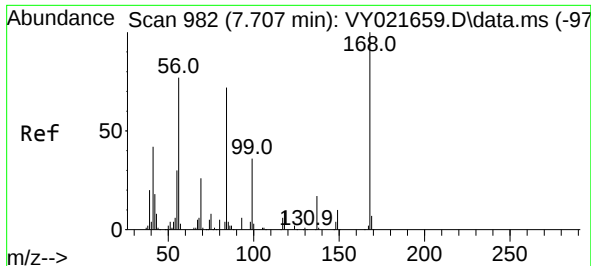
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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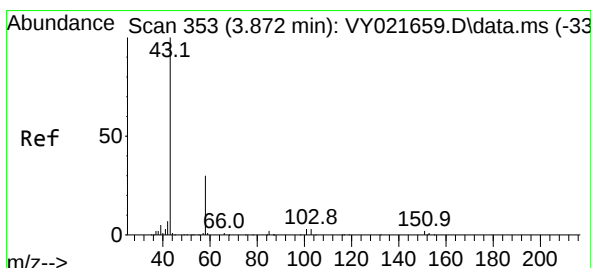
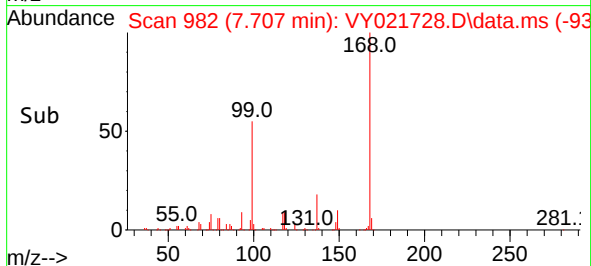
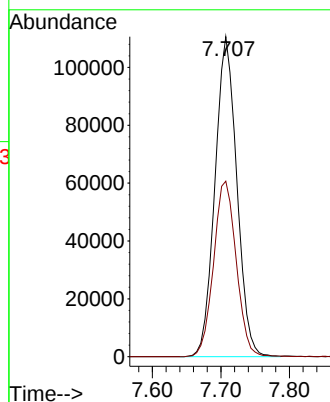
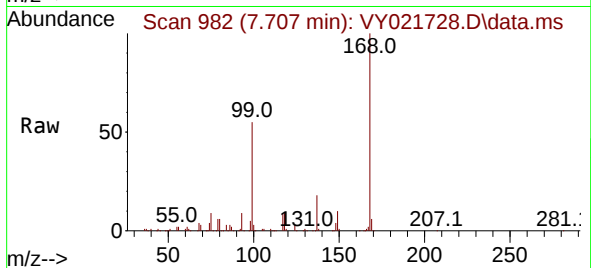




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

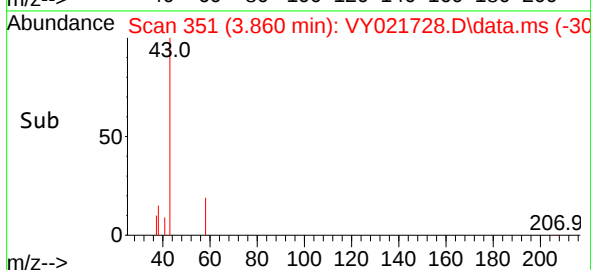
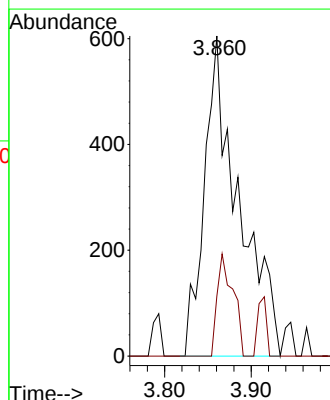
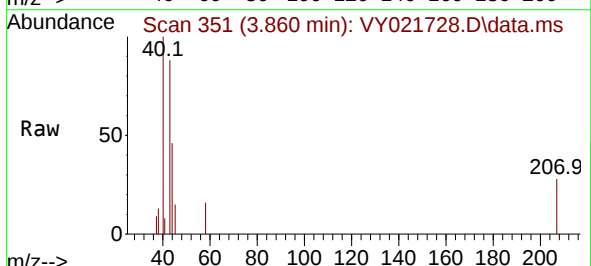
Instrument :
MSVOA_Y
ClientSampleId :
72-11991

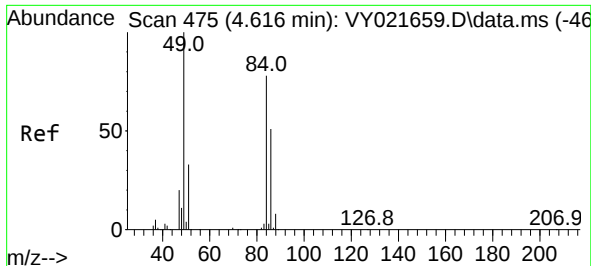
Tgt Ion:168 Resp: 244724
Ion Ratio Lower Upper
168 100
99 54.9 46.7 70.1



#16
Acetone
Concen: 3.063 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
58 18.7 24.2 36.4#

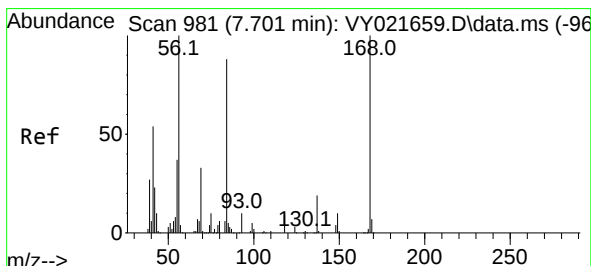
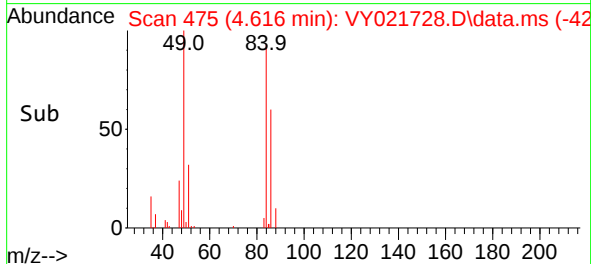
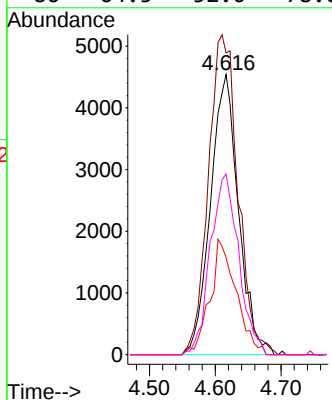
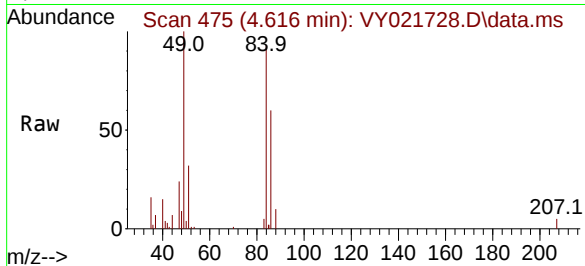




#20
Methylene Chloride
Concen: 1.289 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

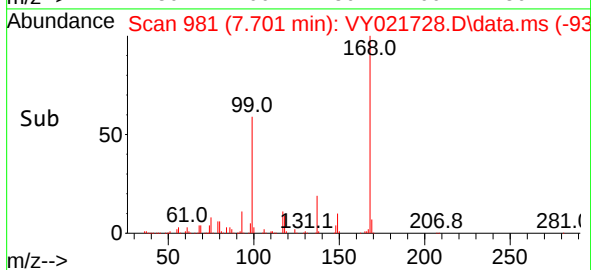
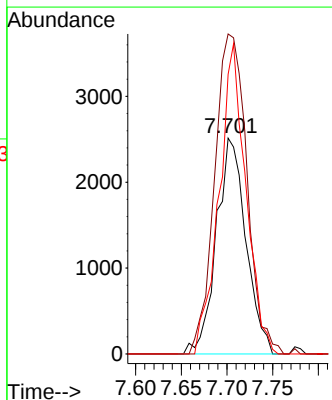
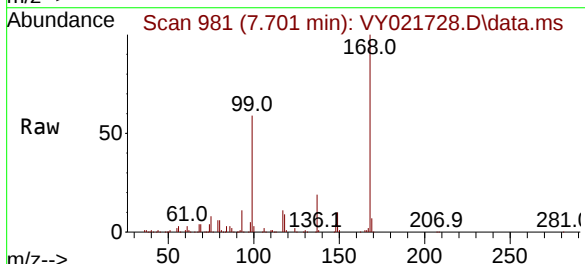
Instrument :
MSVOA_Y
ClientSampleId :
72-11991

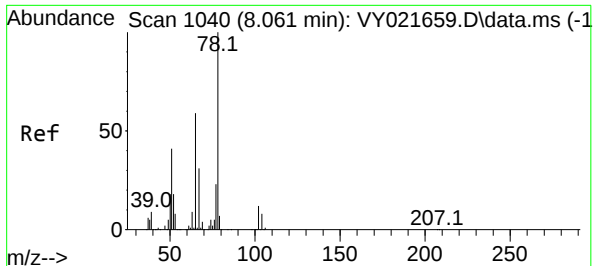
Tgt Ion:	84	Resp:	13427
Ion	Ratio	Lower	Upper
84	100		
49	107.7	102.8	154.2
51	34.7	33.5	50.3
86	64.5	52.0	78.0



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion:	56	Resp:	5655
Ion	Ratio	Lower	Upper
56	100		
69	148.3	26.6	40.0#
84	129.6	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 52.440 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021728.D

Acq: 31 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

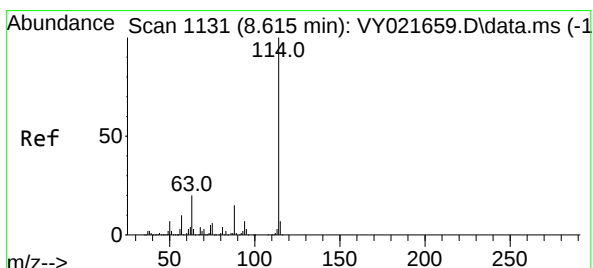
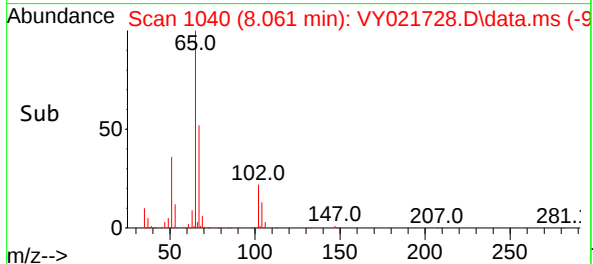
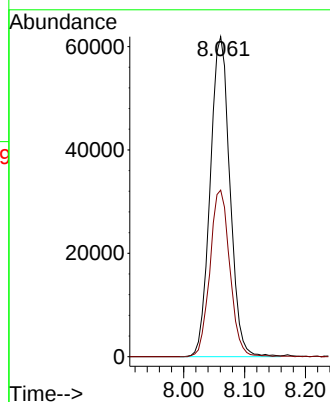
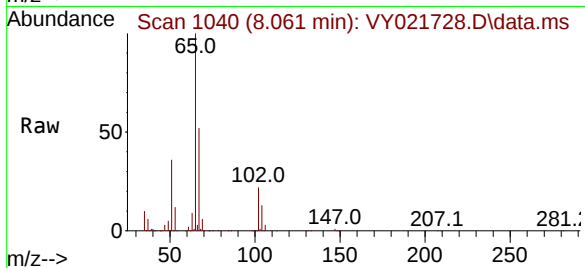
72-11991

Tgt Ion: 65 Resp: 139045

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021728.D

Acq: 31 Mar 2025 18:32

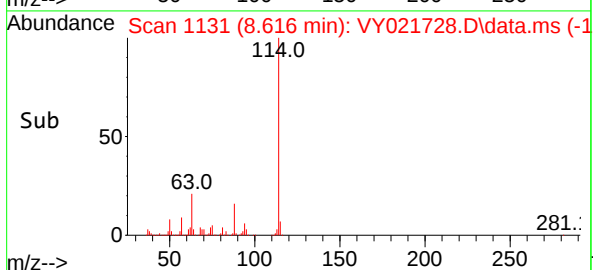
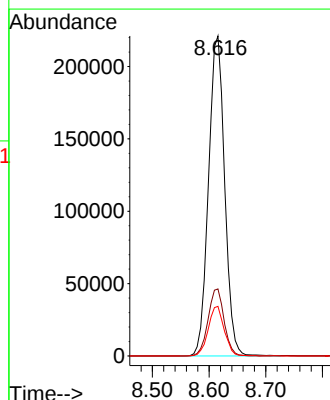
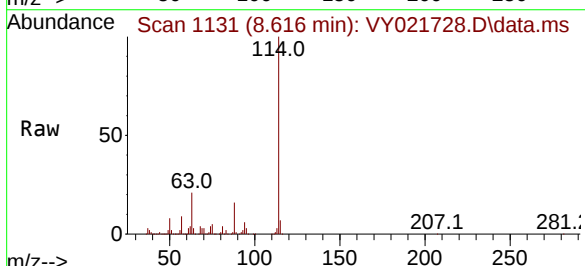
Tgt Ion: 114 Resp: 437479

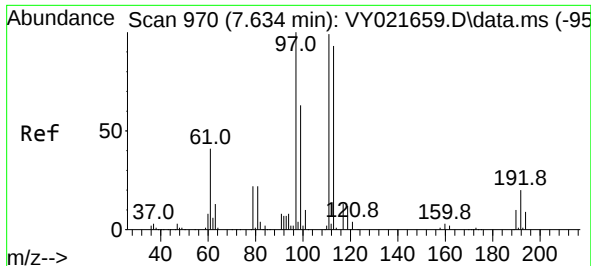
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 15.5 0.0 29.8

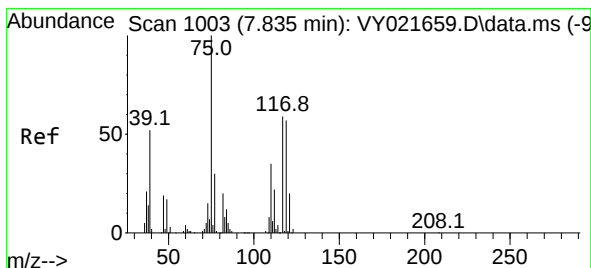
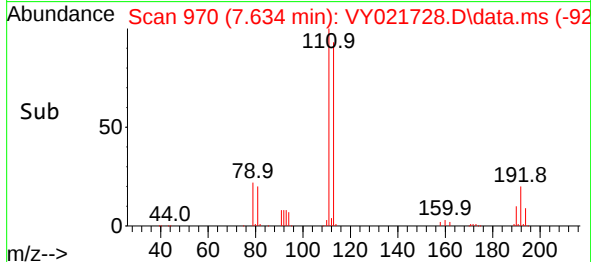
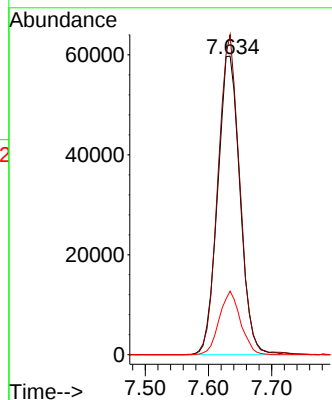
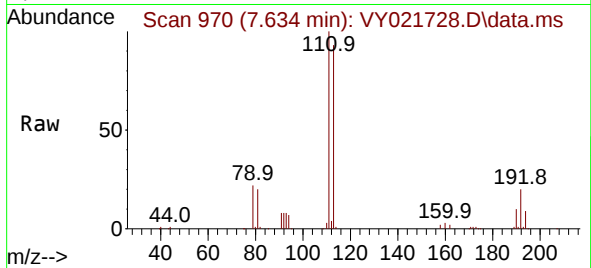




#35
Dibromofluoromethane
Concen: 51.616 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

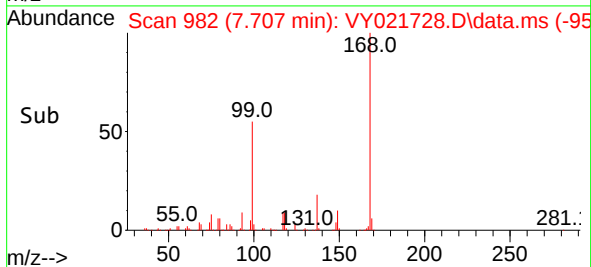
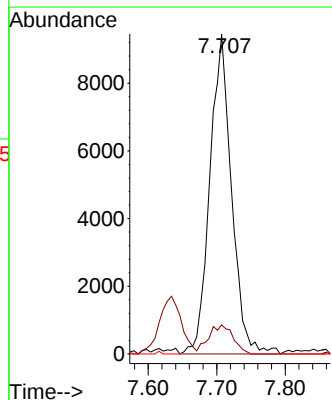
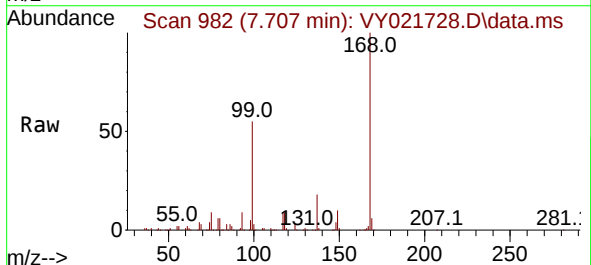
Instrument :
MSVOA_Y
ClientSampleId :
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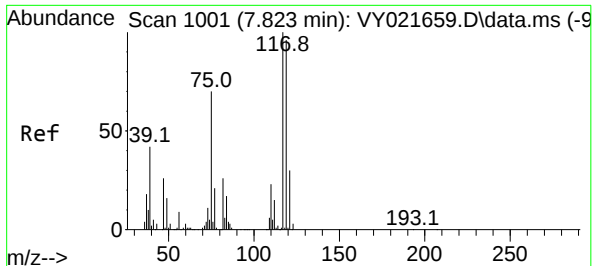
Tgt Ion:113 Resp: 146478
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion: 75 Resp: 20786
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.8 37.2#

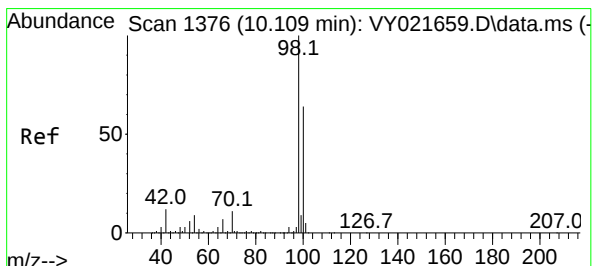
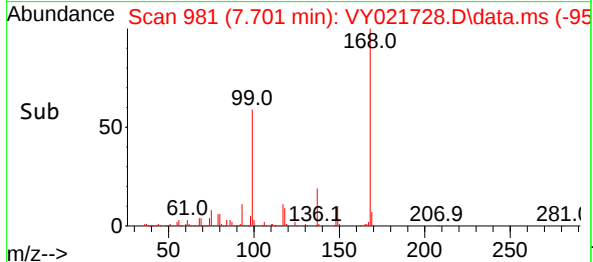
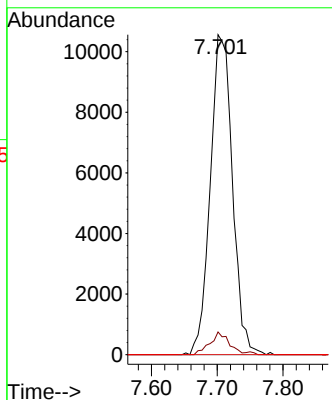
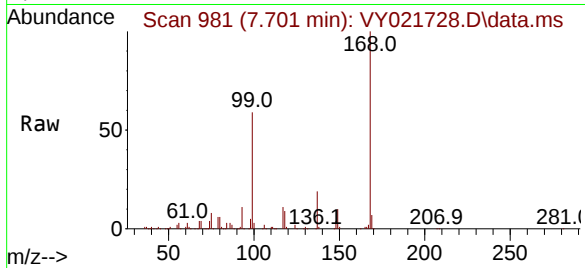




#38
Carbon Tetrachloride
Concen: 5.004 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

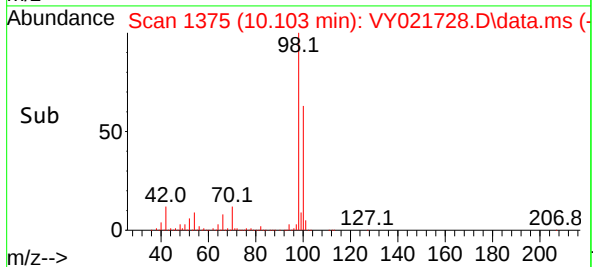
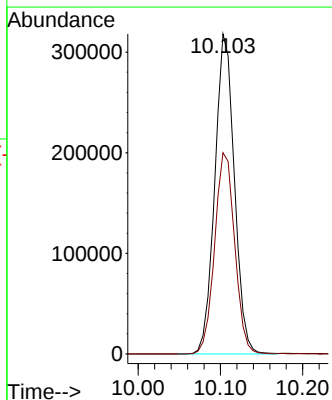
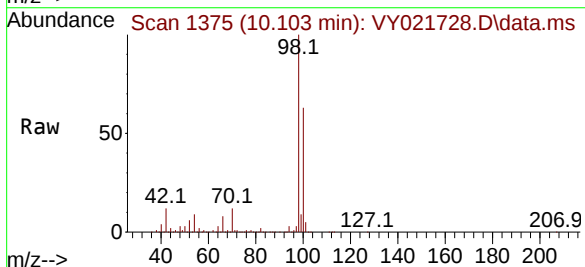
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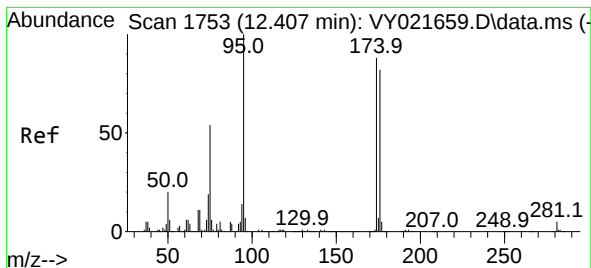
Tgt Ion:117 Resp: 24773
Ion Ratio Lower Upper
117 100
119 7.1 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.846 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion: 98 Resp: 527343
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

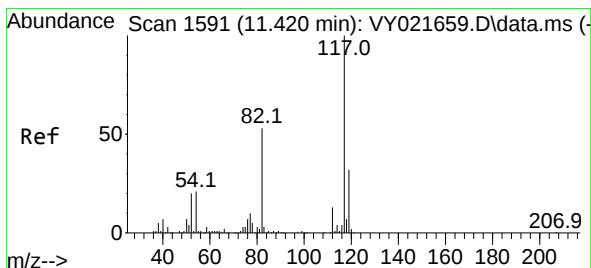
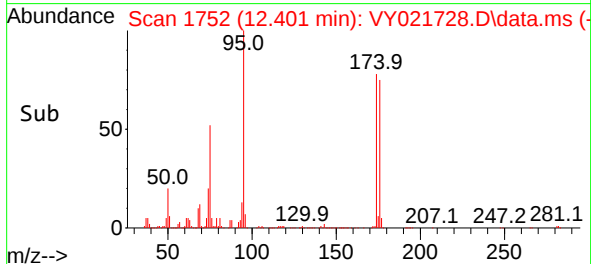
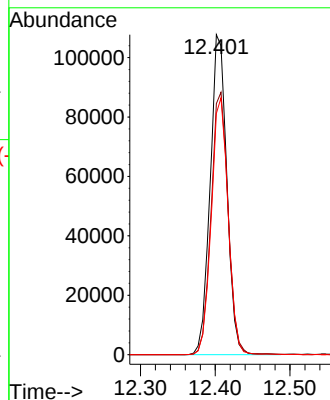
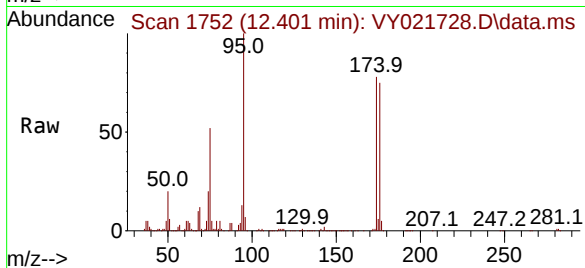




#62
4-Bromofluorobenzene
Concen: 45.707 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

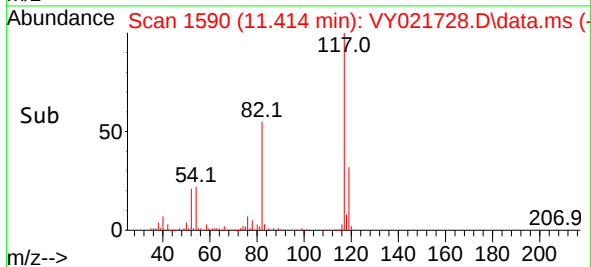
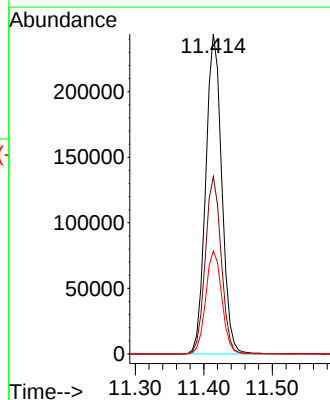
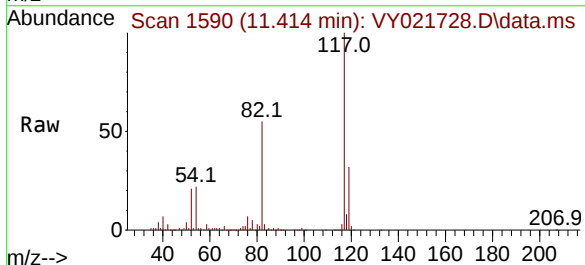
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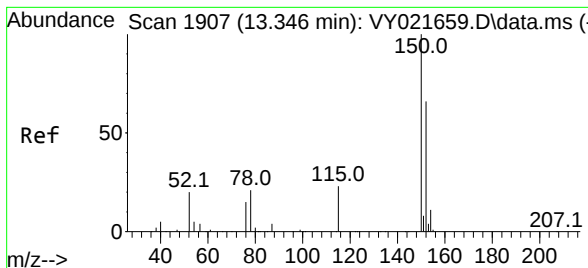
Tgt Ion: 95 Resp: 166908
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 81.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion: 117 Resp: 398053
Ion Ratio Lower Upper
117 100
82 55.4 42.8 64.2
119 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021728.D

Acq: 31 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

72-11991

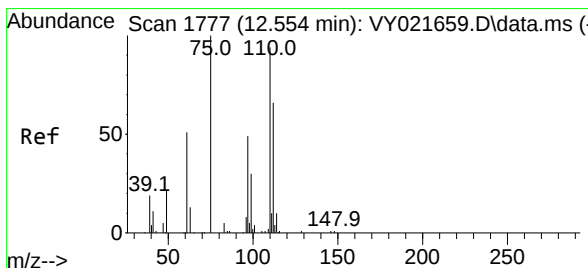
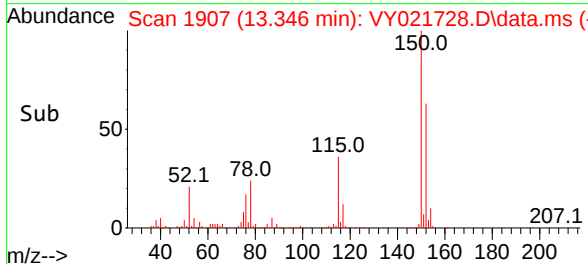
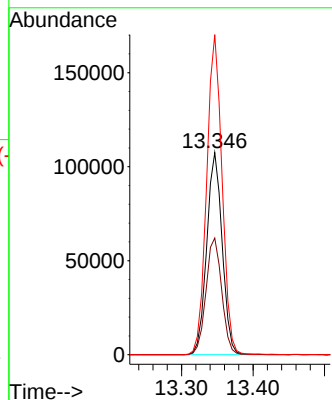
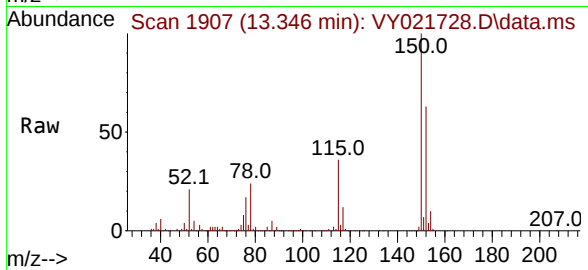
Tgt Ion:152 Resp: 161139

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 157.6 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 55.064 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY021728.D

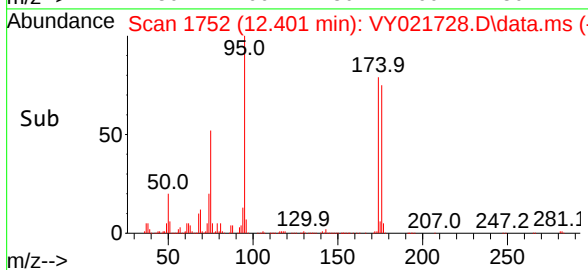
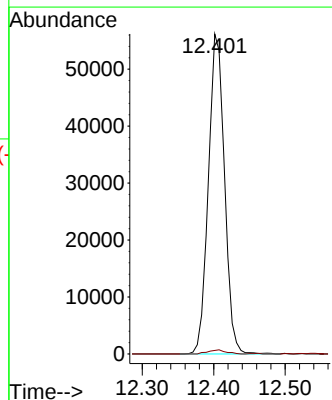
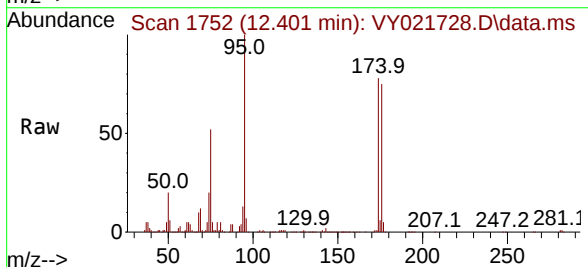
Acq: 31 Mar 2025 18:32

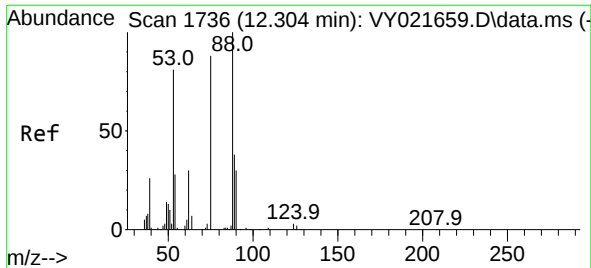
Tgt Ion: 75 Resp: 87954

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 126.877 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
72-11991

Tgt Ion: 75 Resp: 87954
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 36.2 54.4#

