

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021701.D
 Acq On : 28 Mar 2025 18:45
 Operator : SY/MD
 Sample : Q1664-13
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-004-01

Quant Time: Mar 28 23:48:02 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)

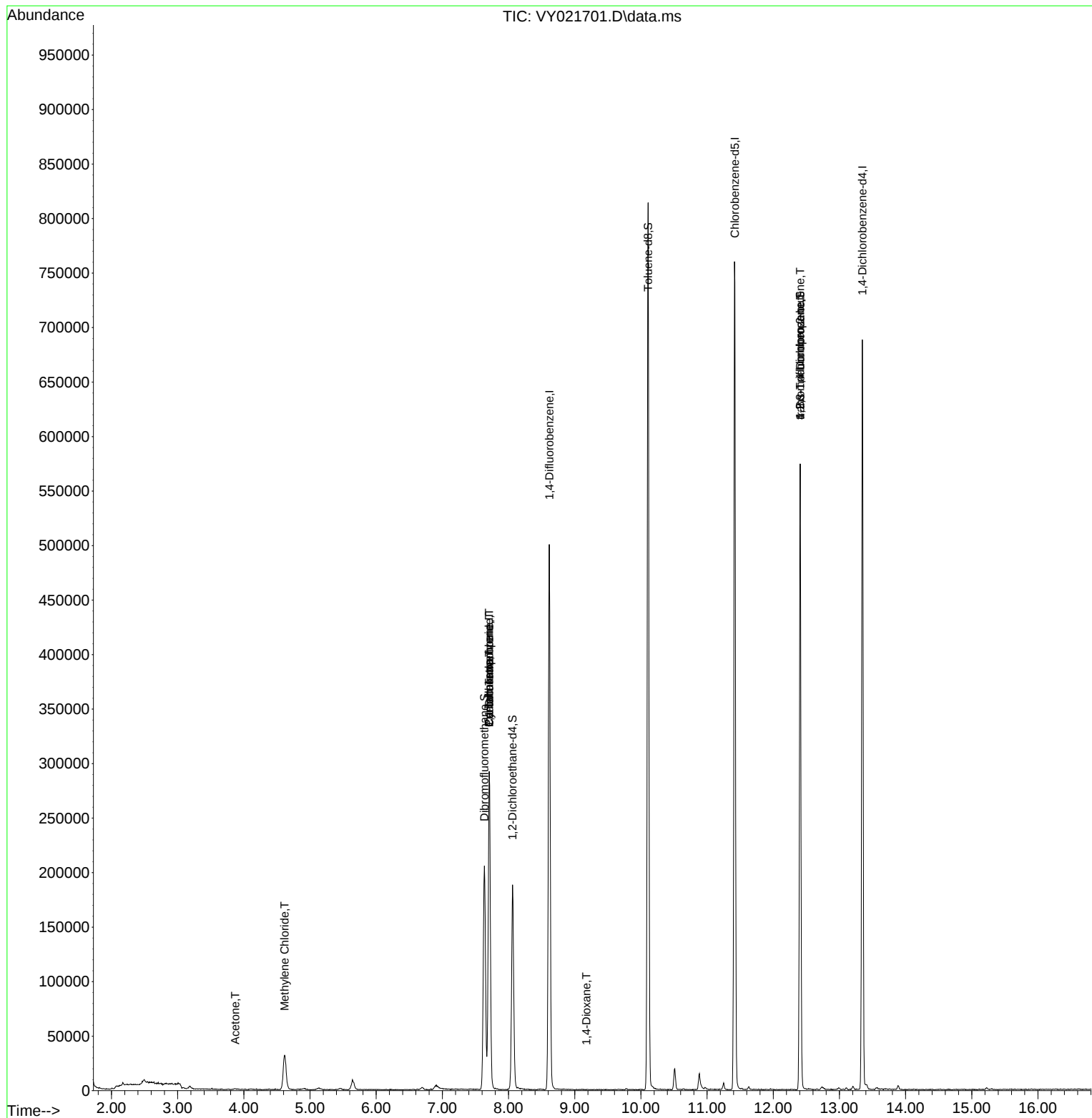
Internal Standards						
1) Pentafluorobenzene	7.707	168	214112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	408446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	393352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144048	62.094	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.180%			
35) Dibromofluoromethane	7.634	113	143352	54.105	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.200%			
50) Toluene-d8	10.109	98	508516	50.450	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.900%			
62) 4-Bromofluorobenzene	12.407	95	168989	49.566	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.140%			
Target Compounds					Qvalue	
16) Acetone	3.872	43	1589	3.347	ug/l #	71
20) Methylene Chloride	4.616	84	23151	6.609	ug/l	98
31) Cyclohexane	7.707	56	5093	1.244	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	18507	4.586	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22188	4.800	ug/l #	18
49) 1,4-Dioxane	9.176	88	31	1.755	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	90332	56.222	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	90332	129.546	ug/l #	12

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

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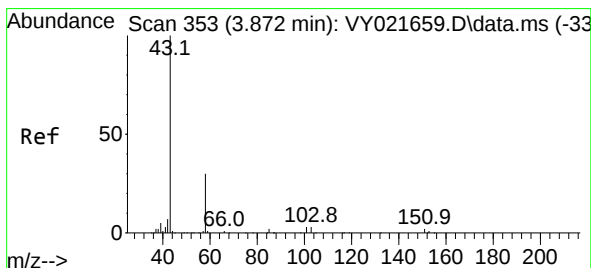
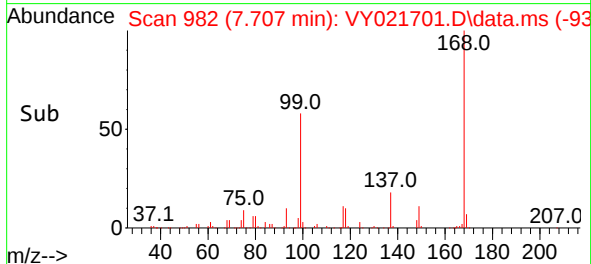
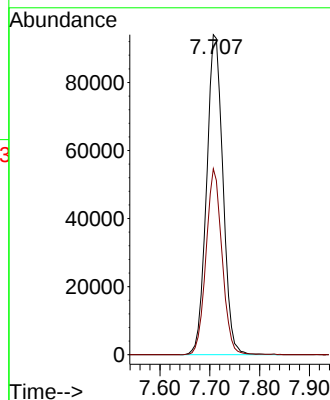
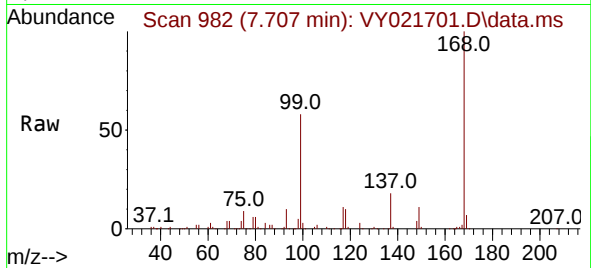




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

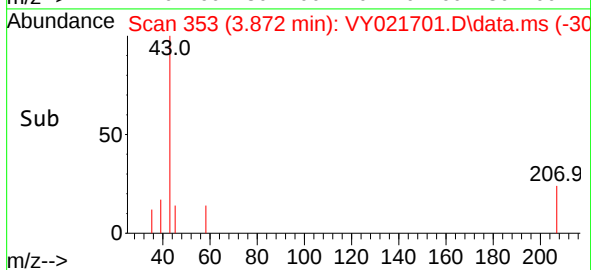
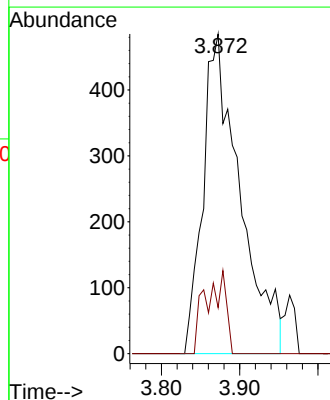
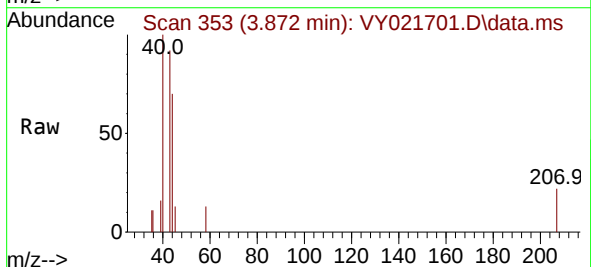
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-004-01

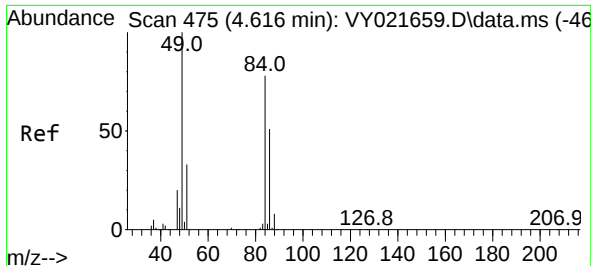
Tgt Ion:168 Resp: 214112
Ion Ratio Lower Upper
168 100
99 58.1 46.7 70.1



#16
Acetone
Concen: 3.347 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Tgt Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
58 14.4 24.2 36.4#

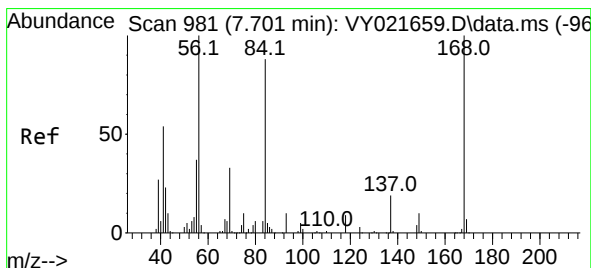
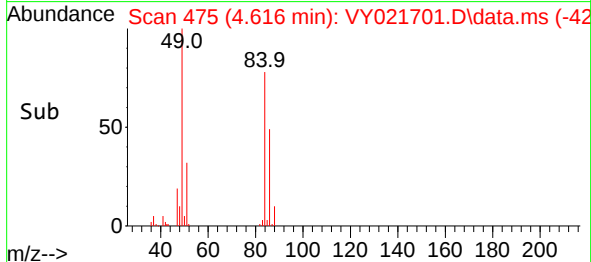
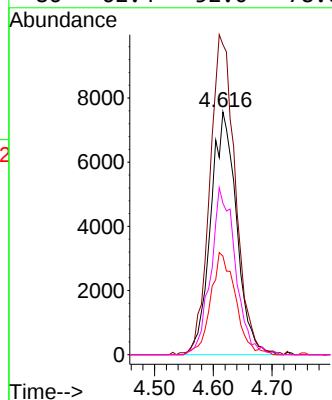
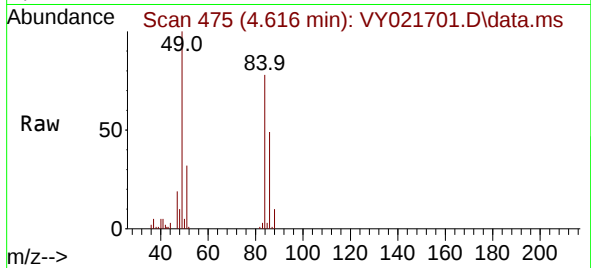




#20
Methylene Chloride
Concen: 6.609 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

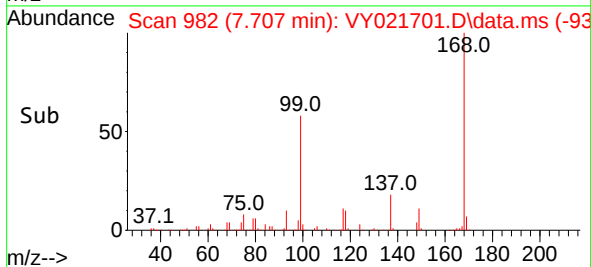
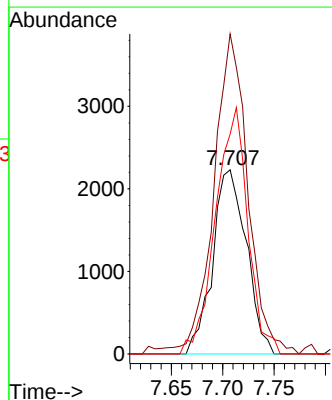
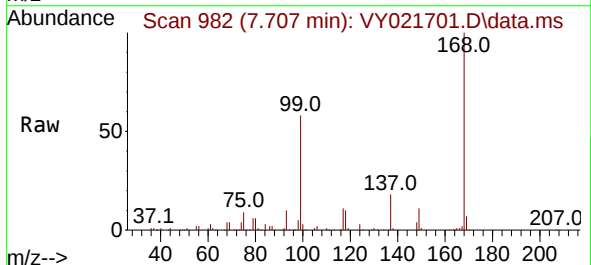
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-004-01

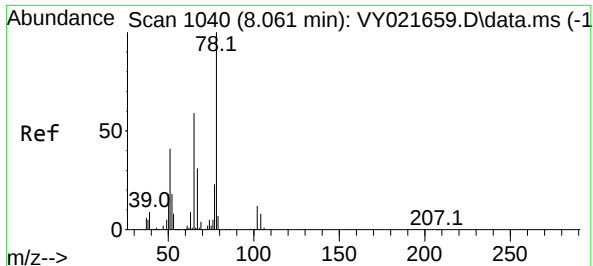
Tgt Ion:	84	Resp:	23151
Ion	Ratio	Lower	Upper
84	100		
49	126.9	102.8	154.2
51	40.6	33.5	50.3
86	62.4	52.0	78.0



#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Tgt Ion:	56	Resp:	5093
Ion	Ratio	Lower	Upper
56	100		
69	169.6	26.6	40.0#
84	119.4	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 62.094 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021701.D

Acq: 28 Mar 2025 18:45

Instrument :

MSVOA_Y

ClientSampleId :

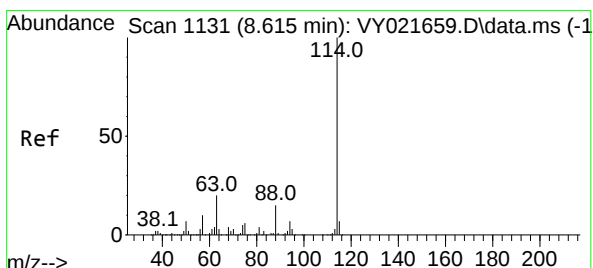
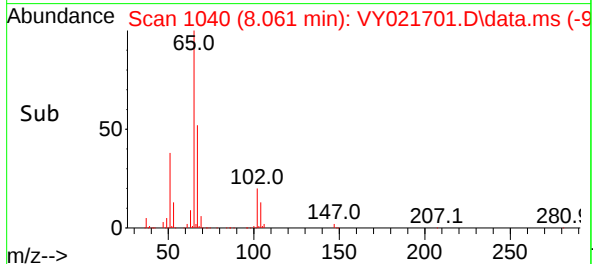
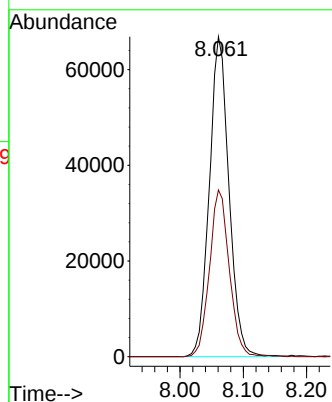
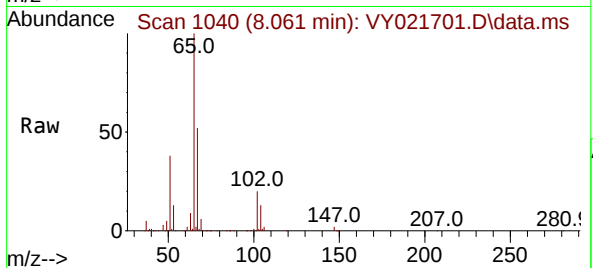
P001-BBDGA-004-01

Tgt Ion: 65 Resp: 144048

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021701.D

Acq: 28 Mar 2025 18:45

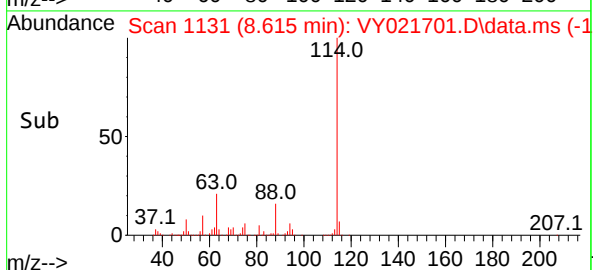
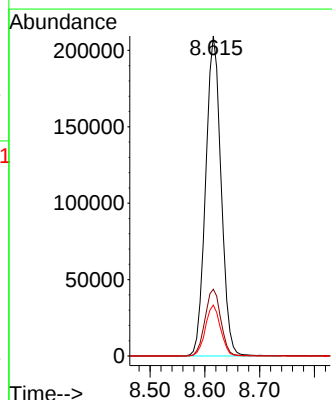
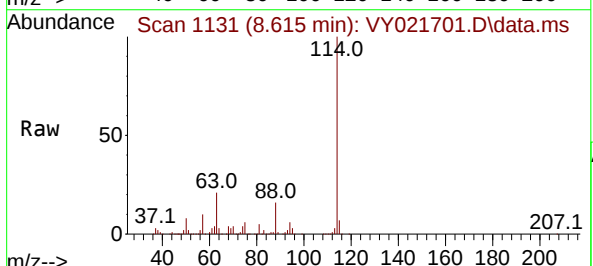
Tgt Ion: 114 Resp: 408446

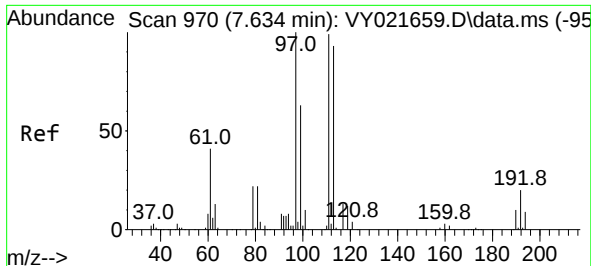
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.9 0.0 29.8

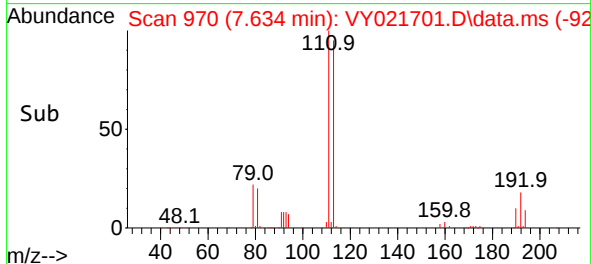
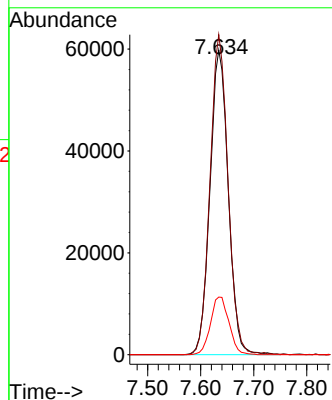
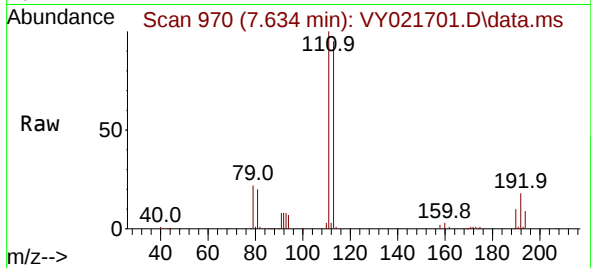




#35
Dibromofluoromethane
Concen: 54.105 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

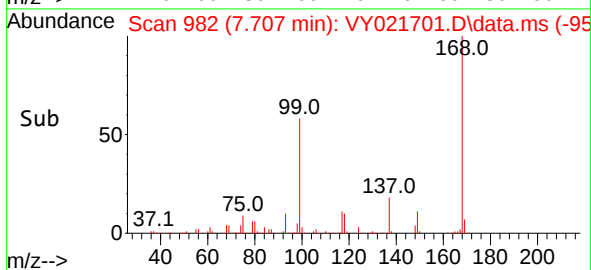
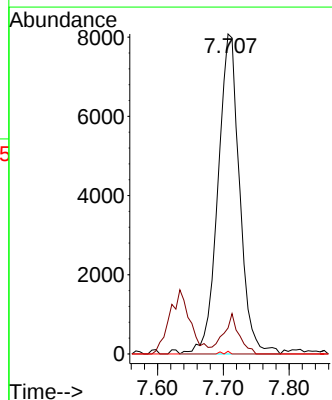
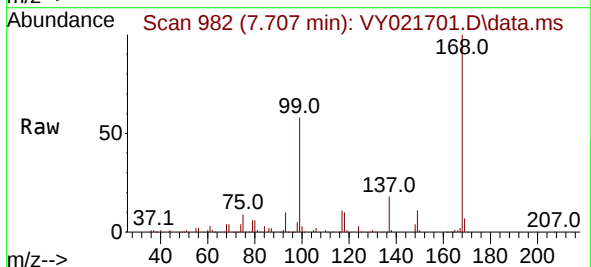
Instrument :
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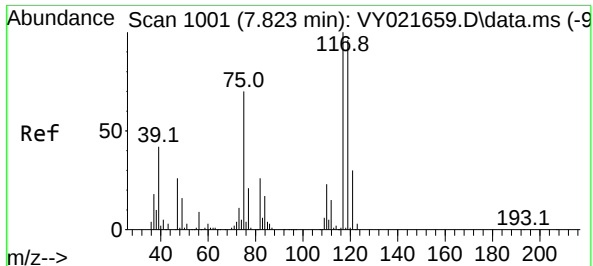
Tgt Ion:113 Resp: 143352
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 19.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Tgt Ion: 75 Resp: 18507
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.1 24.8 37.2#

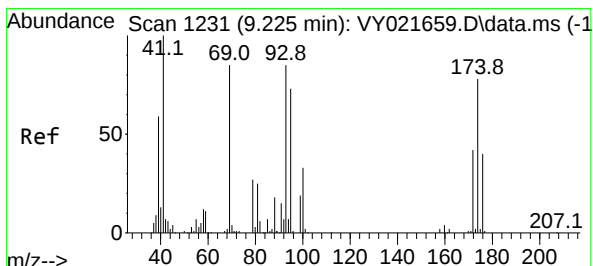
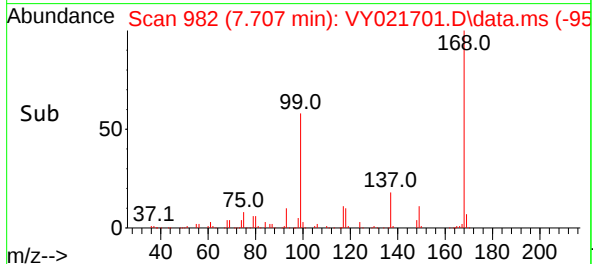
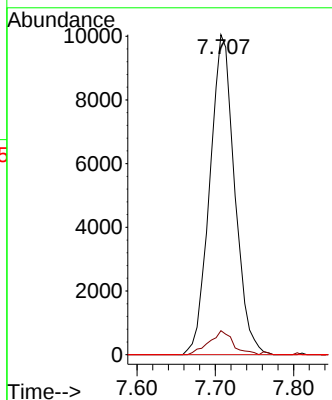
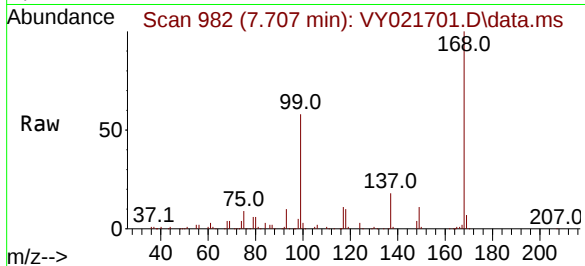




#38
Carbon Tetrachloride
Concen: 4.800 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

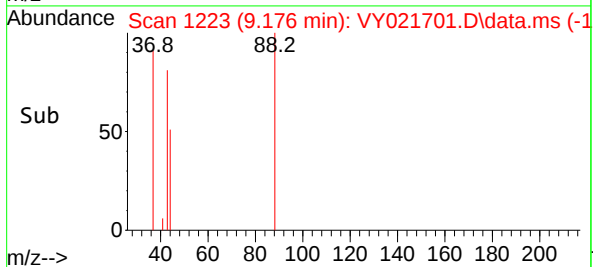
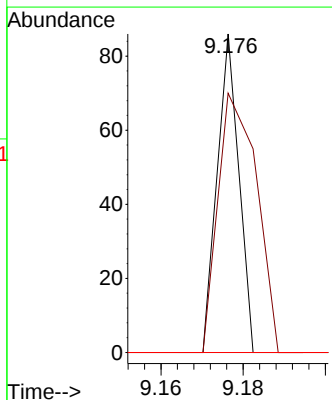
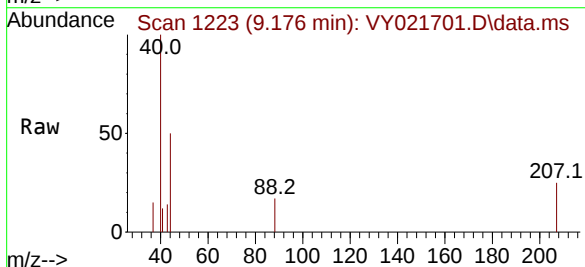
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-004-01

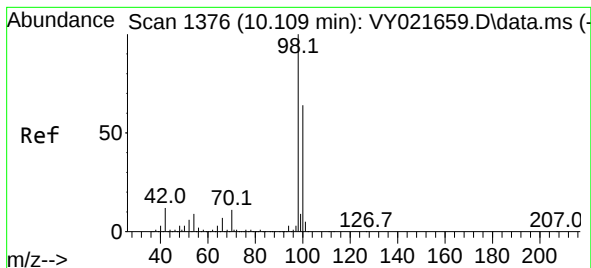
Tgt Ion:117 Resp: 22188
Ion Ratio Lower Upper
117 100
119 7.5 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.755 ug/l
RT: 9.176 min Scan# 1223
Delta R.T. -0.049 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 148.4 28.8 43.2#
58 0.0 59.4 89.2#

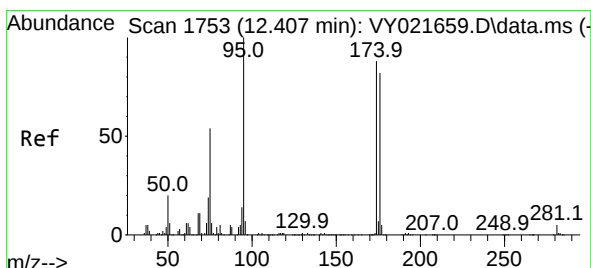
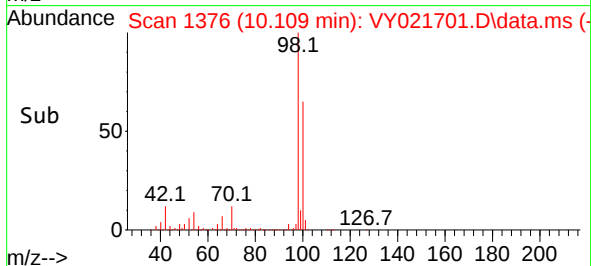
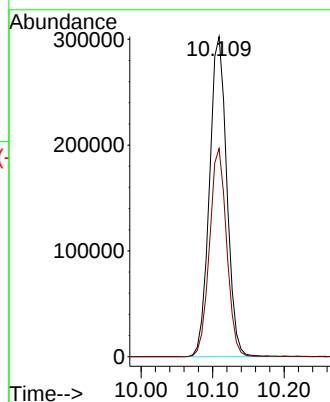
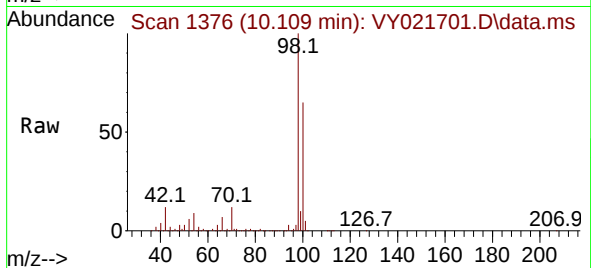




#50
Toluene-d8
Concen: 50.450 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

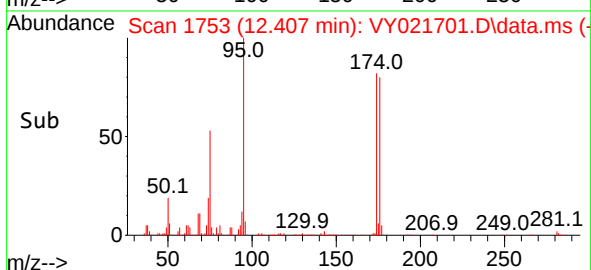
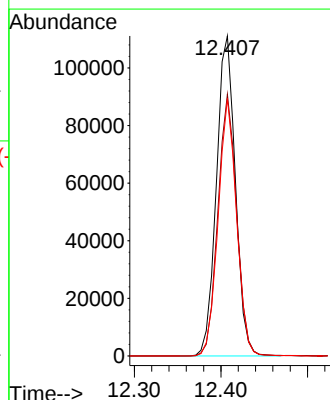
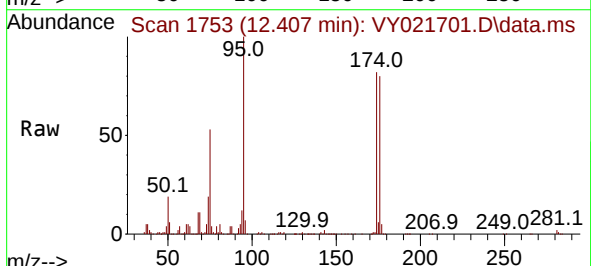
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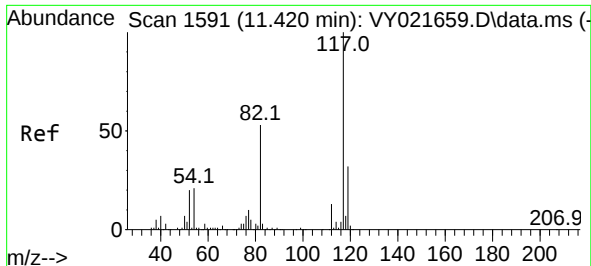
Tgt Ion: 98 Resp: 508516
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.566 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Tgt Ion: 95 Resp: 168989
Ion Ratio Lower Upper
95 100
174 81.2 0.0 170.8
176 77.9 0.0 162.0

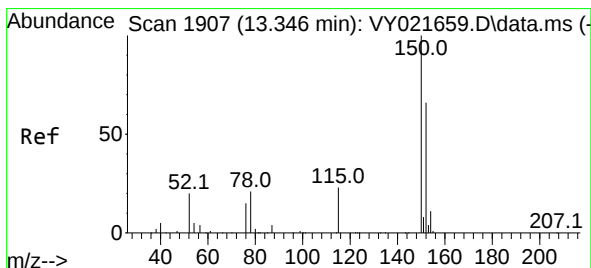
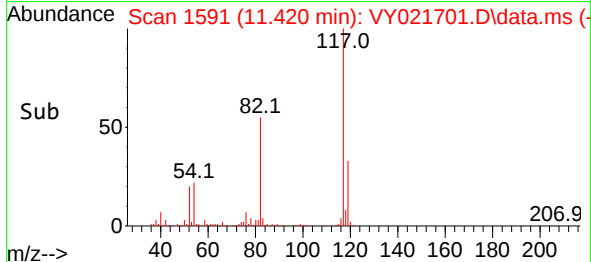
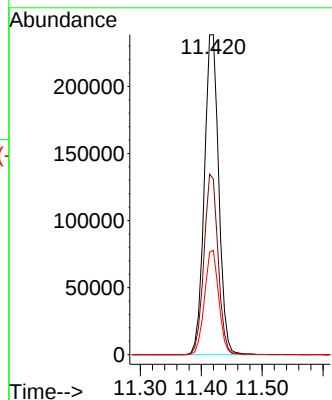
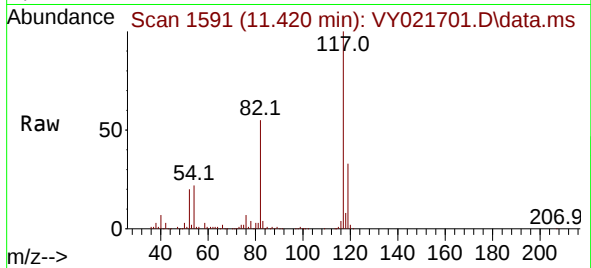




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

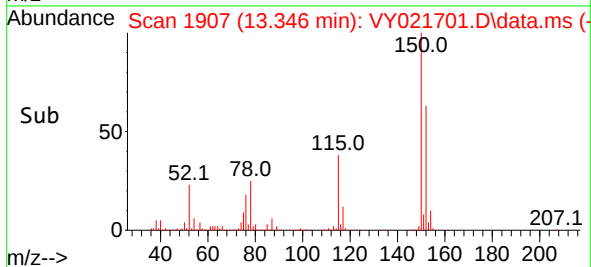
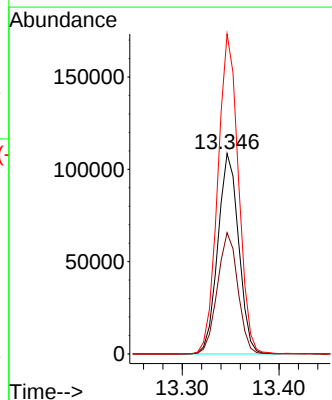
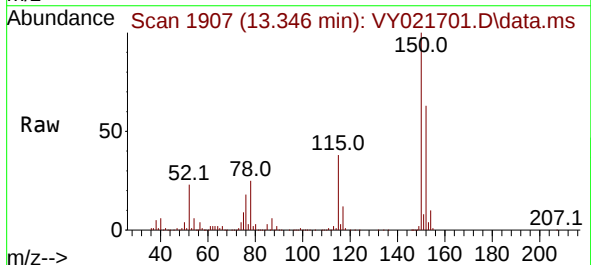
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-004-01

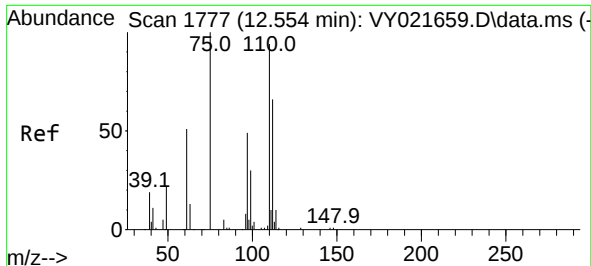
Tgt Ion:117 Resp: 393352
Ion Ratio Lower Upper
117 100
82 54.8 42.8 64.2
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Tgt Ion:152 Resp: 162086
Ion Ratio Lower Upper
152 100
115 59.7 28.8 86.5
150 158.3 0.0 348.4

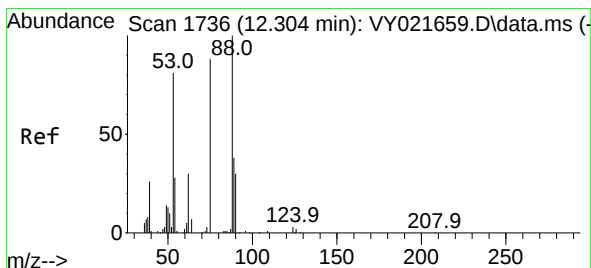
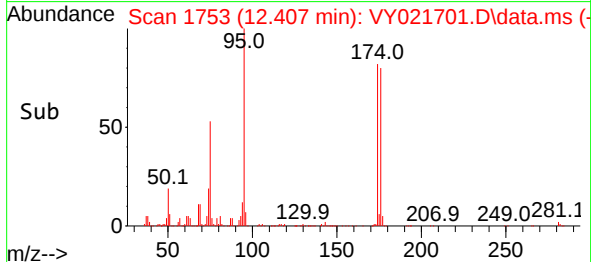
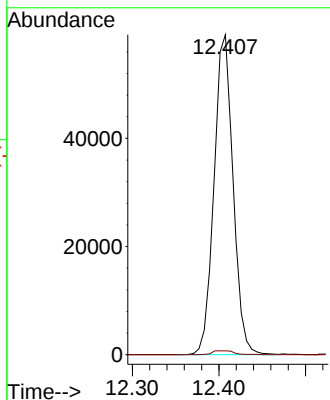
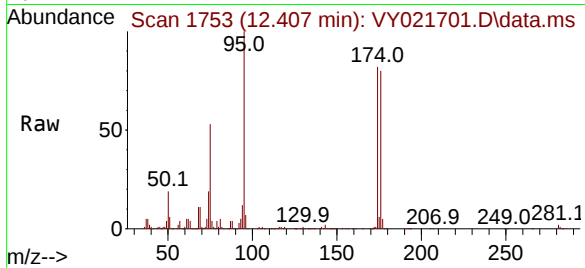




#76
1,2,3-Trichloropropane
Concen: 56.222 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-004-01

Tgt Ion: 75 Resp: 90332
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.546 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021701.D
Acq: 28 Mar 2025 18:45

Tgt Ion: 75 Resp: 90332
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 36.2 54.4#

