

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021703.D
 Acq On : 28 Mar 2025 19:32
 Operator : SY/MD
 Sample : Q1664-17
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-006-01

Quant Time: Mar 28 23:48:50 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)

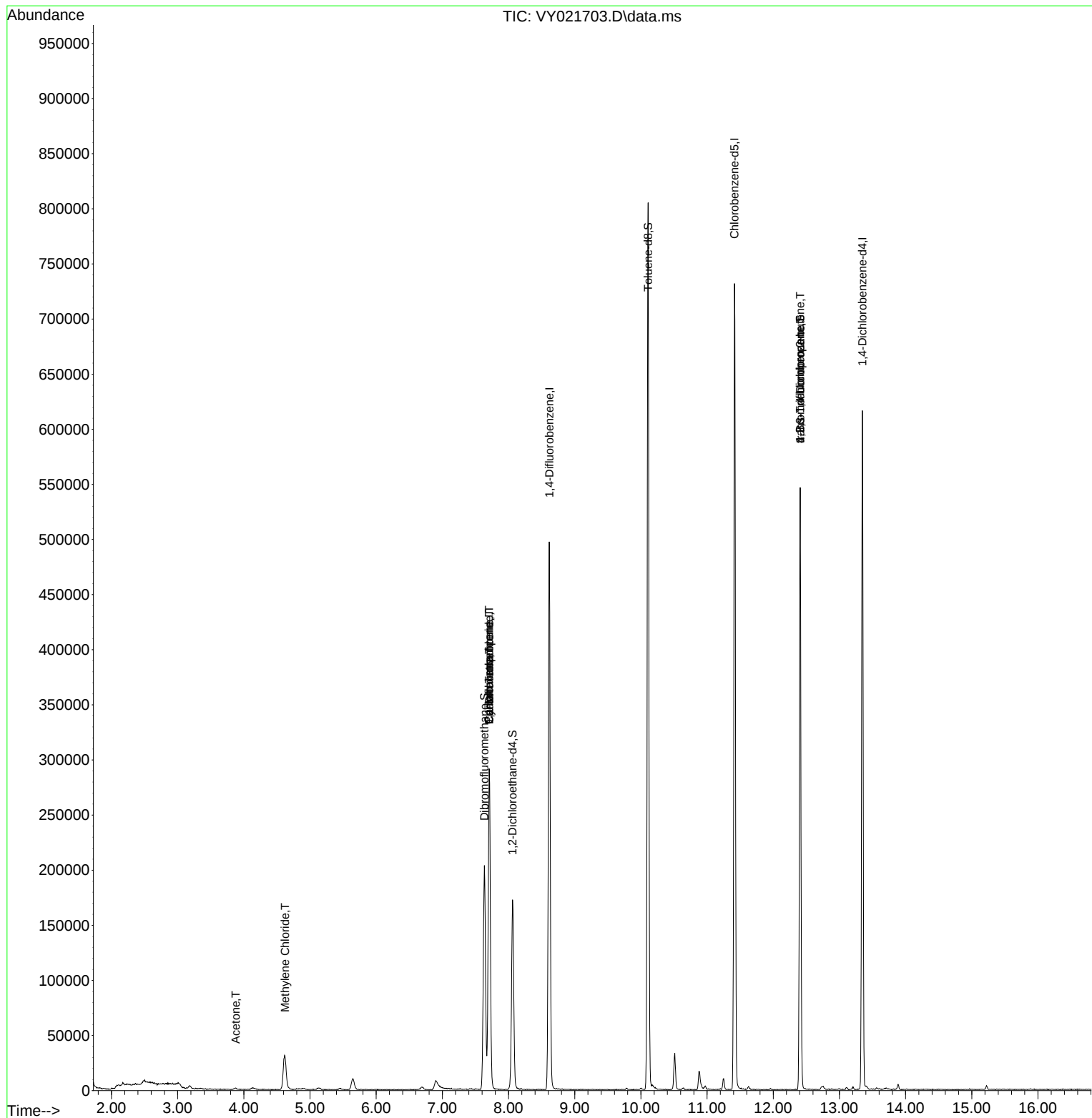
Internal Standards						
1) Pentafluorobenzene	7.707	168	216084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	410241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	381513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133444	56.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.000%	
35) Dibromofluoromethane	7.634	113	140354	52.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.109	98	508912	50.269	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.540%	
62) 4-Bromofluorobenzene	12.408	95	156593	45.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.460%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	2027	4.230	ug/l	99
20) Methylene Chloride	4.622	84	22927	6.406	ug/l	94
31) Cyclohexane	7.707	56	5454	1.320	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18528	4.571	ug/l #	51
38) Carbon Tetrachloride	7.707	117	23047	4.964	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	85356	56.914	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	85356	131.139	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
Data File : VY021703.D
Acq On : 28 Mar 2025 19:32
Operator : SY/MD
Sample : Q1664-17
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

Quant Time: Mar 28 23:48:50 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

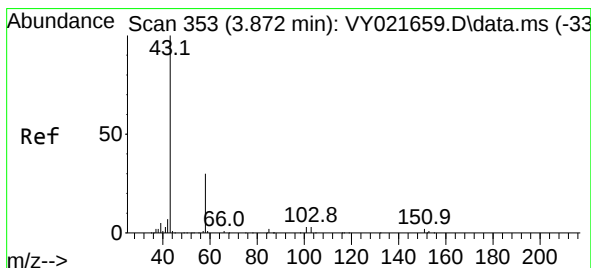
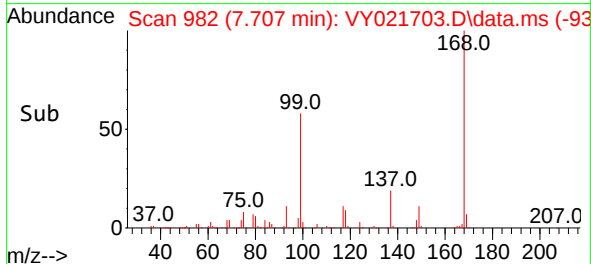
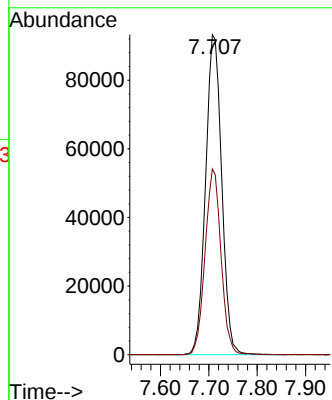
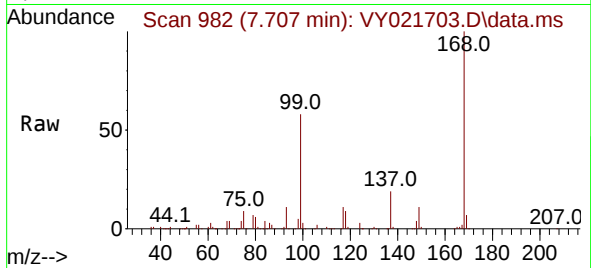




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

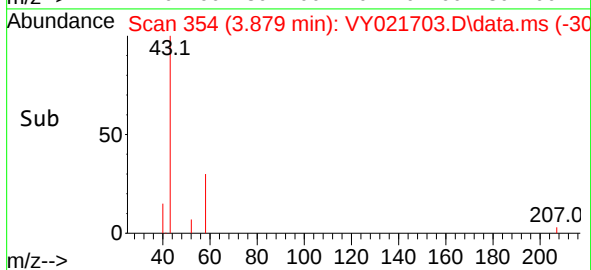
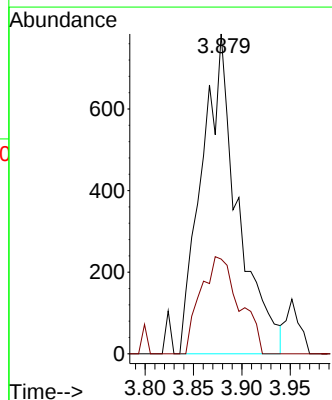
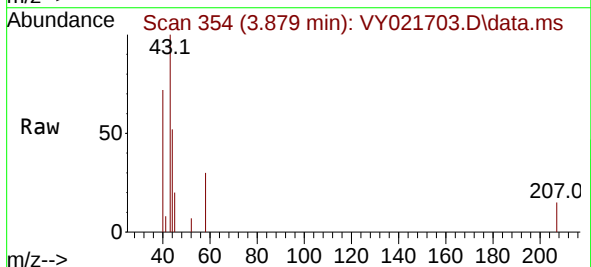
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

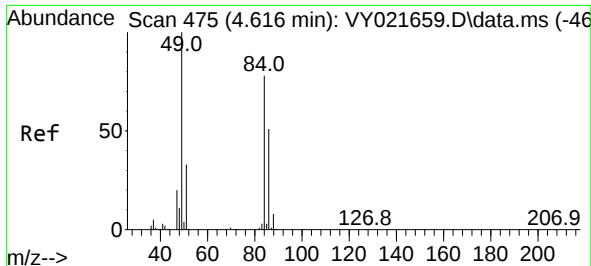
Tgt Ion:168 Resp: 216084
Ion Ratio Lower Upper
168 100
99 58.0 46.7 70.1



#16
Acetone
Concen: 4.230 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
58 29.6 24.2 36.4

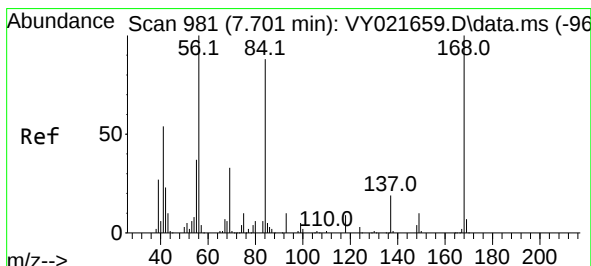
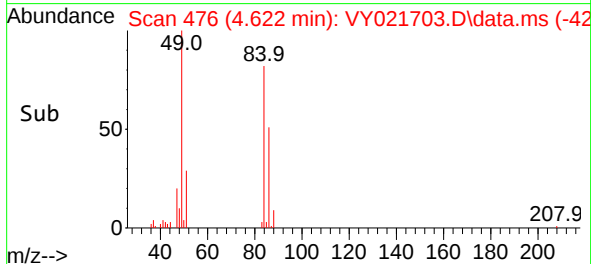
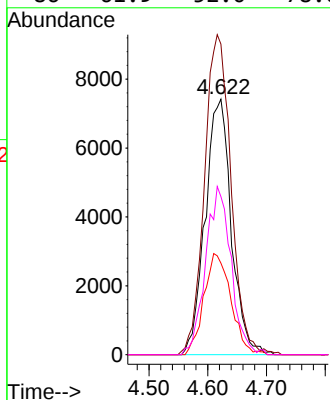
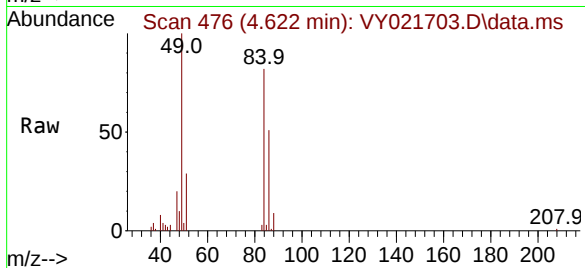




#20
Methylene Chloride
Concen: 6.406 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

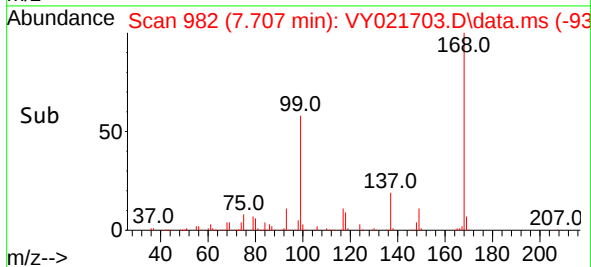
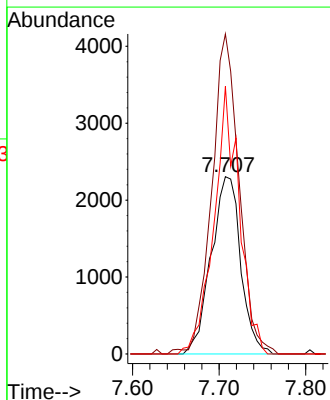
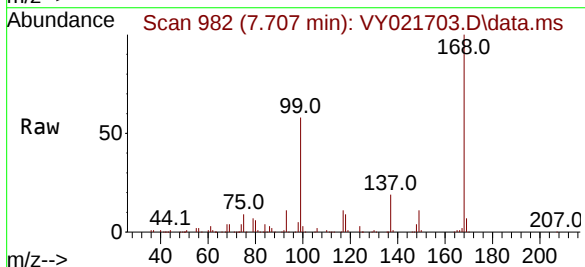
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

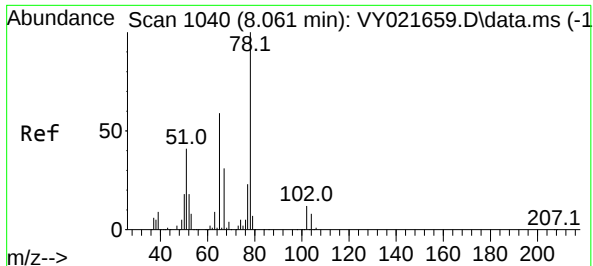
Tgt Ion:	84	Resp:	22927
Ion	Ratio	Lower	Upper
84	100		
49	121.6	102.8	154.2
51	35.8	33.5	50.3
86	61.9	52.0	78.0



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

Tgt Ion:	56	Resp:	5454
Ion	Ratio	Lower	Upper
56	100		
69	180.4	26.6	40.0#
84	156.6	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 56.998 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021703.D

Acq: 28 Mar 2025 19:32

Instrument :

MSVOA_Y

ClientSampleId :

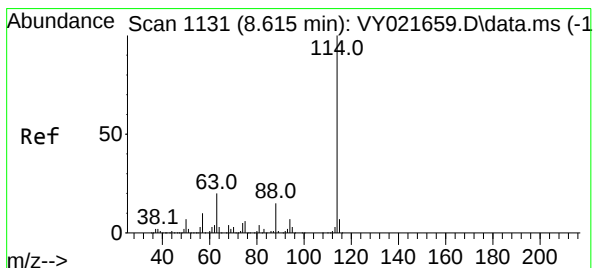
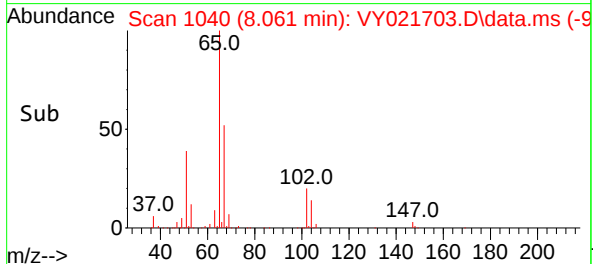
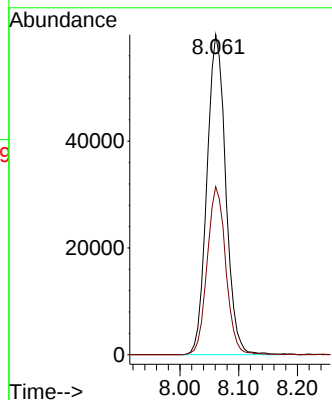
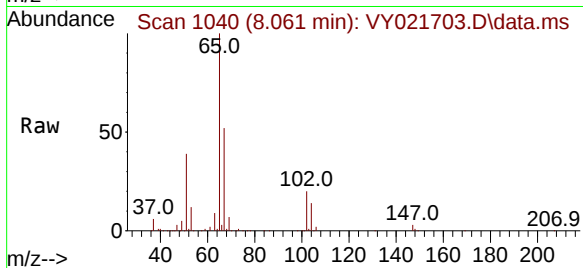
P001-BBDGA-006-01

Tgt Ion: 65 Resp: 133444

Ion Ratio Lower Upper

65 100

67 51.9 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: VY021703.D

Acq: 28 Mar 2025 19:32

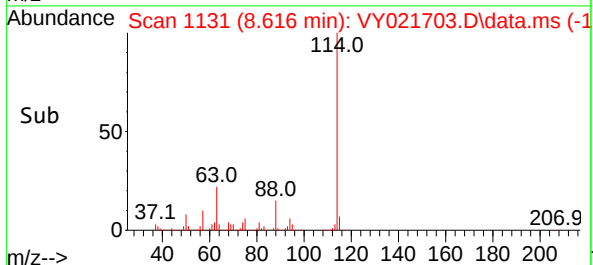
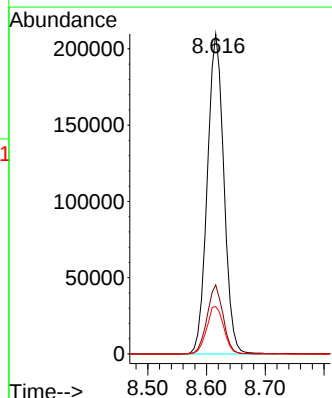
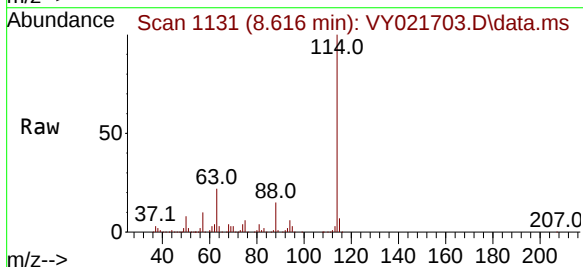
Tgt Ion: 114 Resp: 410241

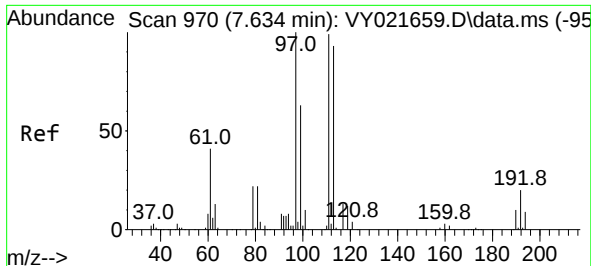
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.2

88 14.8 0.0 29.8

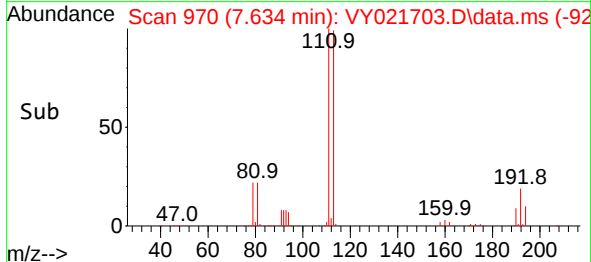
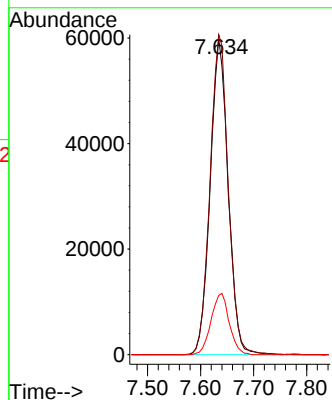
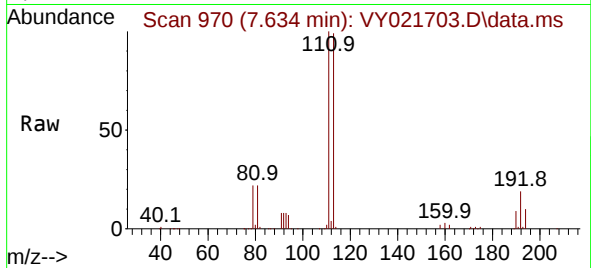




#35
Dibromofluoromethane
Concen: 52.742 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

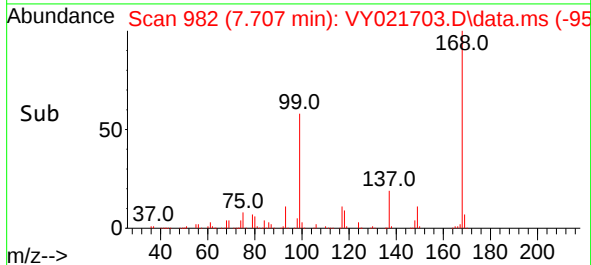
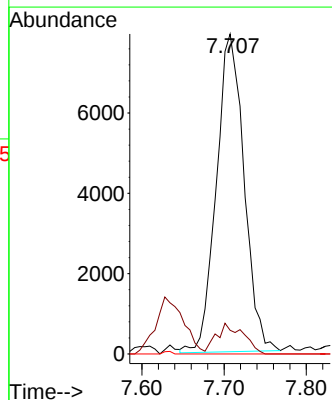
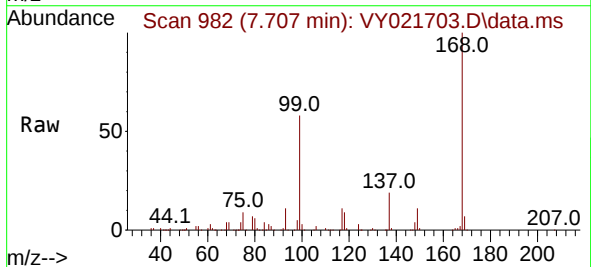
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

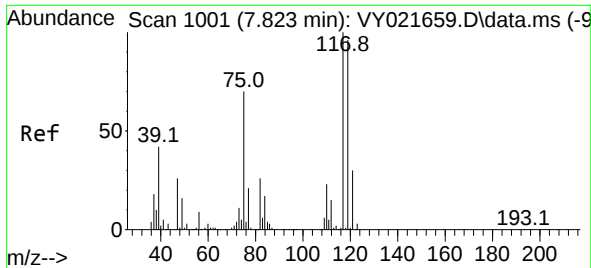
Tgt Ion:113 Resp: 140354
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 19.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.571 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

Tgt Ion: 75 Resp: 18528
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.8 37.2#

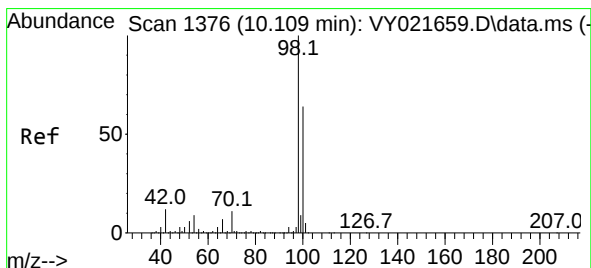
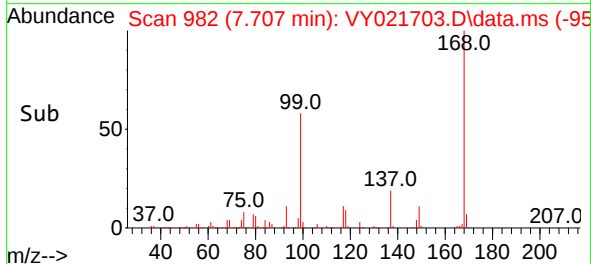
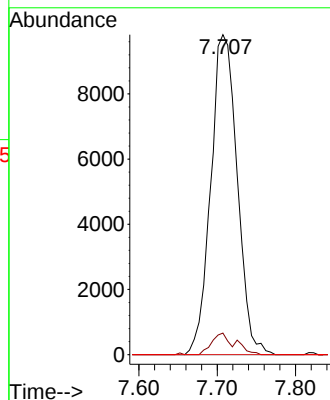
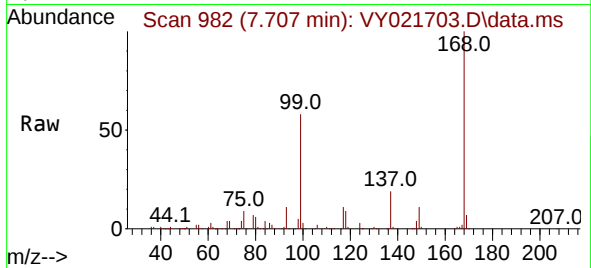




#38
Carbon Tetrachloride
Concen: 4.964 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

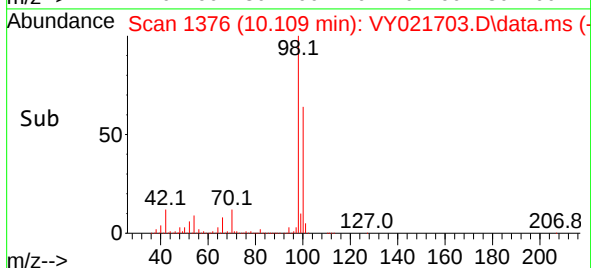
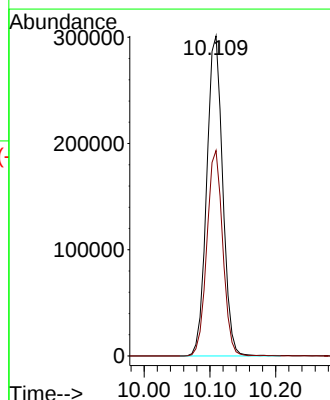
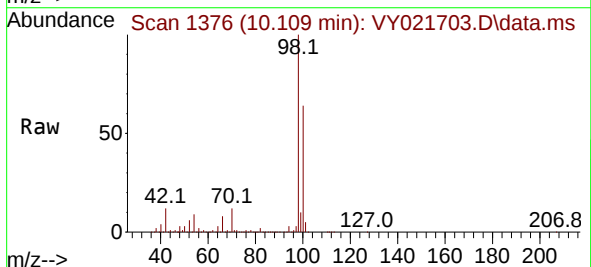
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

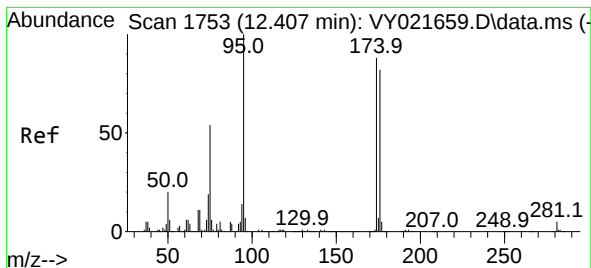
Tgt Ion:117 Resp: 23047
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.269 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

Tgt Ion: 98 Resp: 508912
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

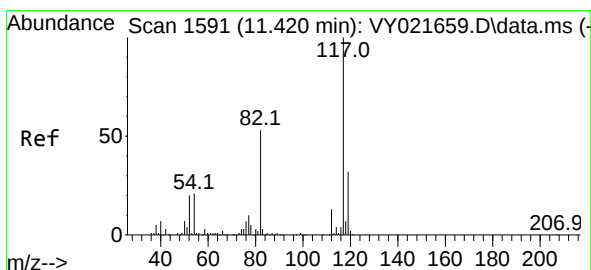
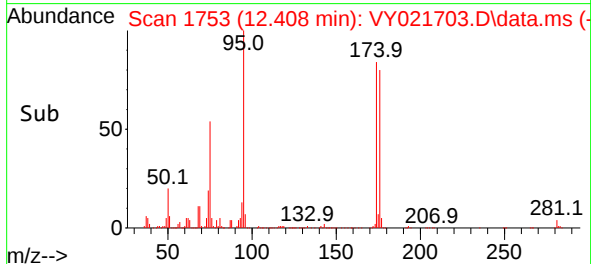
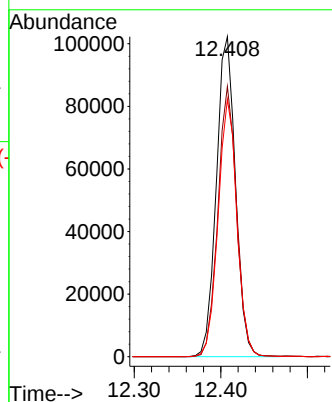
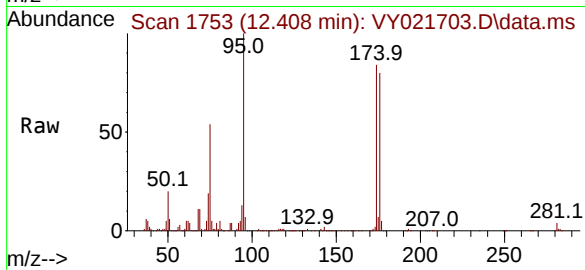




#62
4-Bromofluorobenzene
Concen: 45.729 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

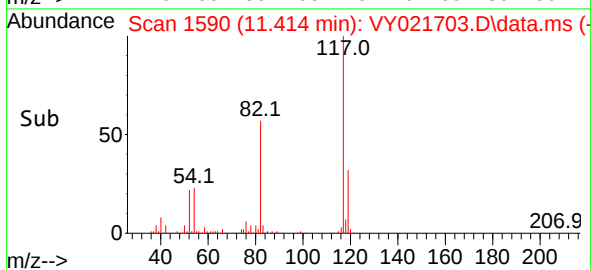
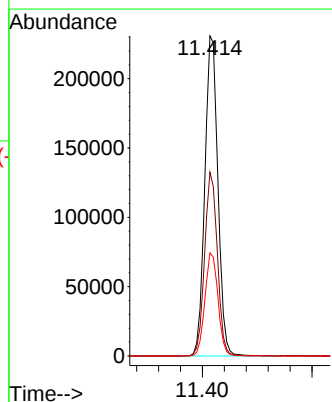
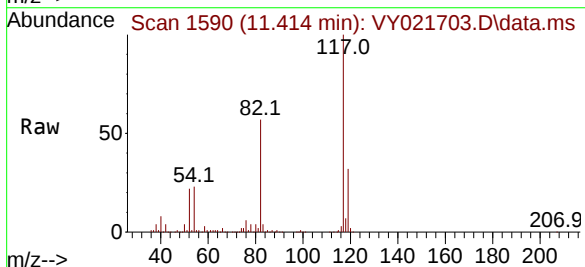
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-006-01

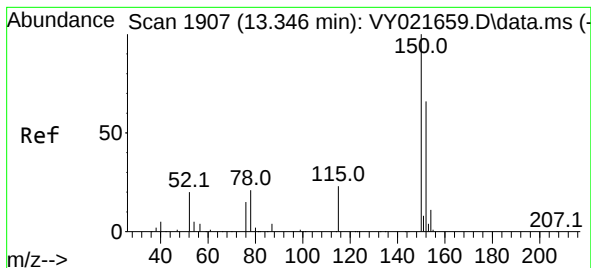
Tgt Ion: 95 Resp: 156593
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 79.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021703.D
Acq: 28 Mar 2025 19:32

Tgt Ion: 117 Resp: 381513
Ion Ratio Lower Upper
117 100
82 57.4 42.8 64.2
119 32.3 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: VY021703.D

Acq: 28 Mar 2025 19:32

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-006-01

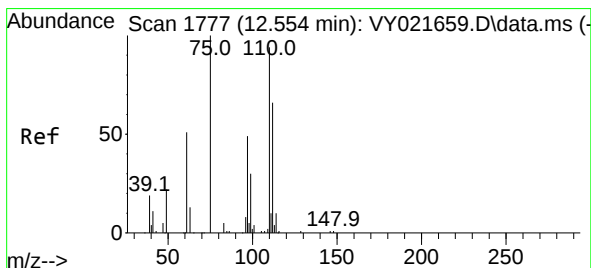
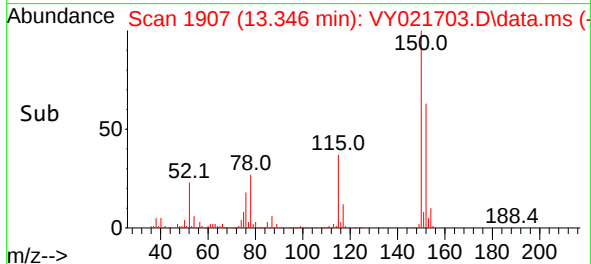
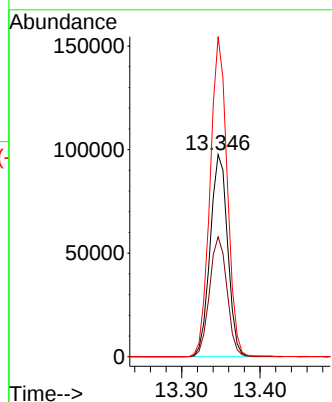
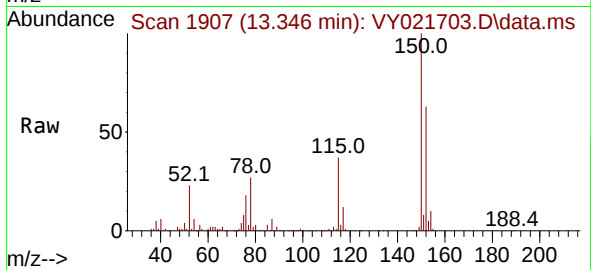
Tgt Ion:152 Resp: 151297

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 155.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.914 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021703.D

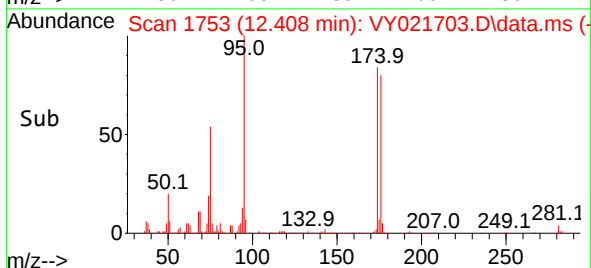
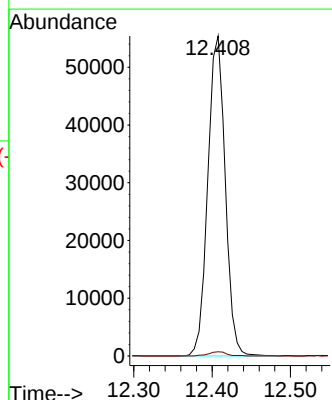
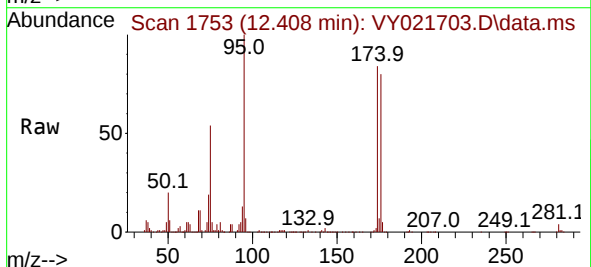
Acq: 28 Mar 2025 19:32

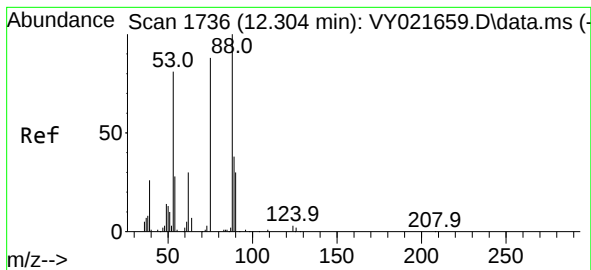
Tgt Ion: 75 Resp: 85356

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.139 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021703.D
 Acq: 28 Mar 2025 19:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-006-01

Tgt Ion: 75 Resp: 85356
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.1 36.2 54.4#

