

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021699.D
 Acq On : 28 Mar 2025 17:58
 Operator : SY/MD
 Sample : Q1664-09
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-002-01

Quant Time: Mar 28 23:47:12 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)

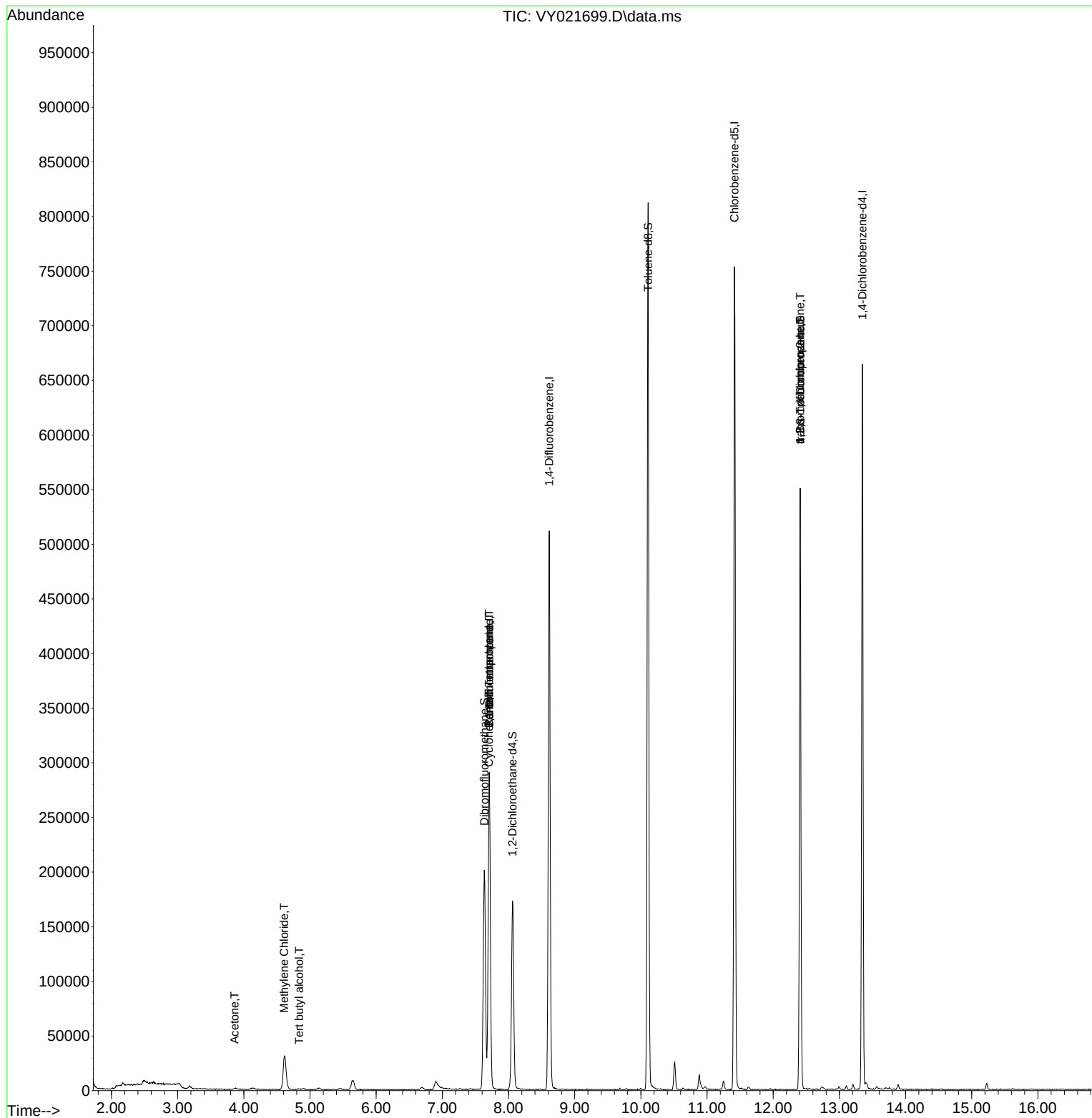
Internal Standards						
1) Pentafluorobenzene	7.707	168	215190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	416015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135653	58.182	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.360%			
35) Dibromofluoromethane	7.634	113	141495	52.432	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.109	98	511479	49.821	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.408	95	159654	45.976	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.960%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	904	5.969	ug/l #	70
16) Acetone	3.860	43	2259	4.734	ug/l	95
20) Methylene Chloride	4.610	84	22639	6.317	ug/l	93
31) Cyclohexane	7.701	56	5253	1.277	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	17913	4.358	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22955	4.876	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	85341	55.807	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	85341	128.589	ug/l #	12

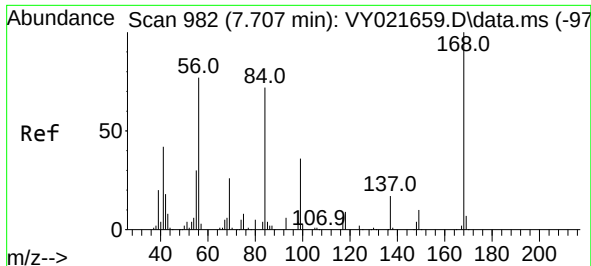
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 28 02:30:29 2025
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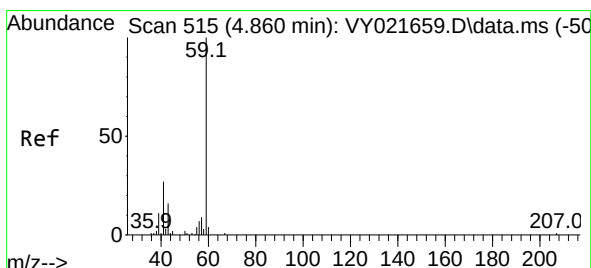
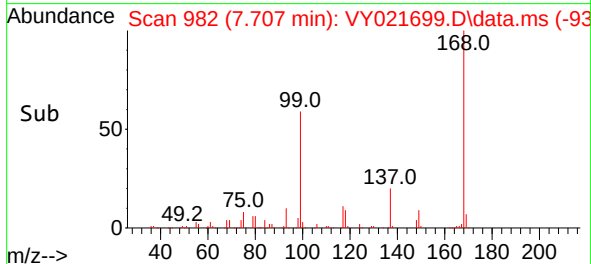
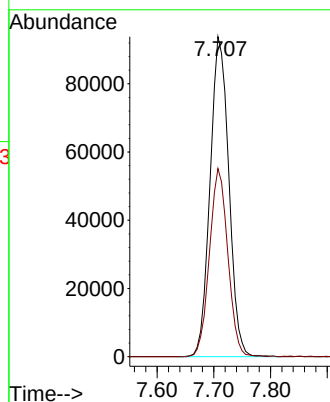
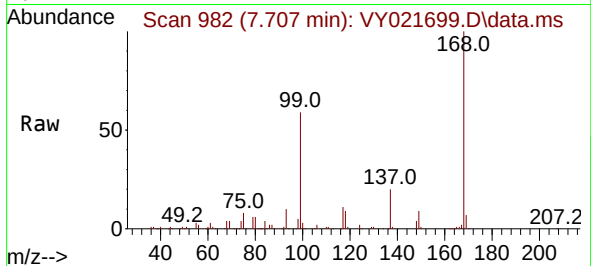




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

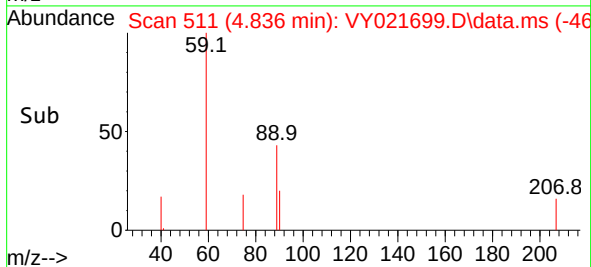
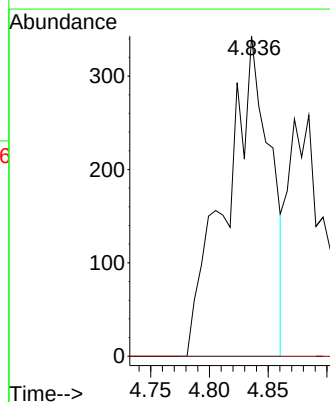
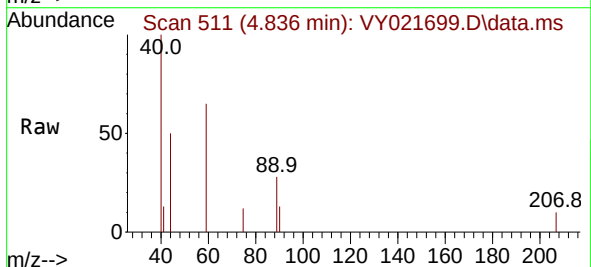
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

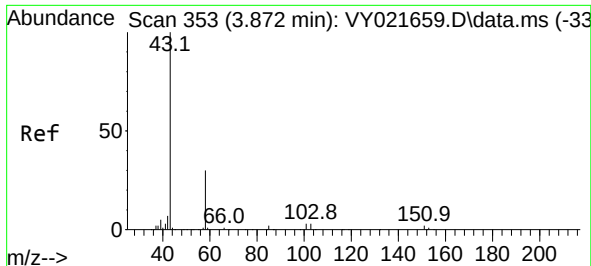
Tgt Ion:168 Resp: 215190
Ion Ratio Lower Upper
168 100
99 58.8 46.7 70.1



#11
Tert butyl alcohol
Concen: 5.969 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion: 59 Resp: 904
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

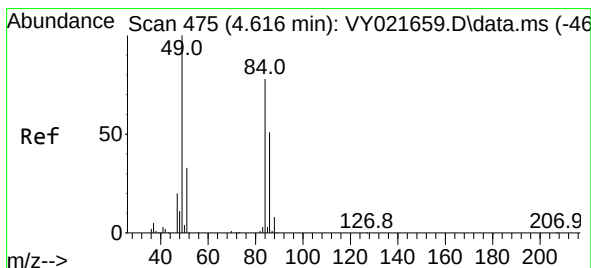
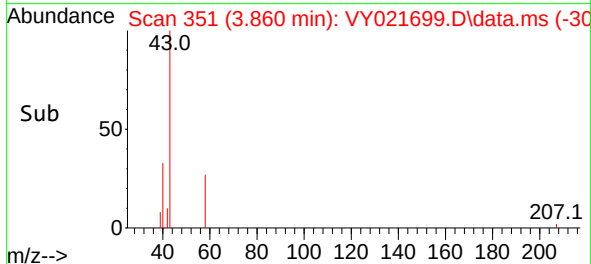
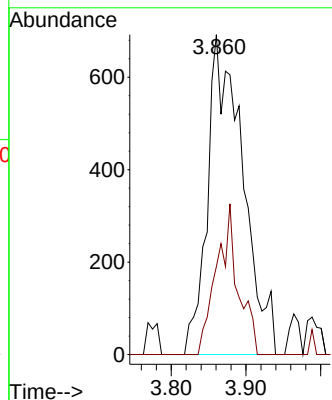
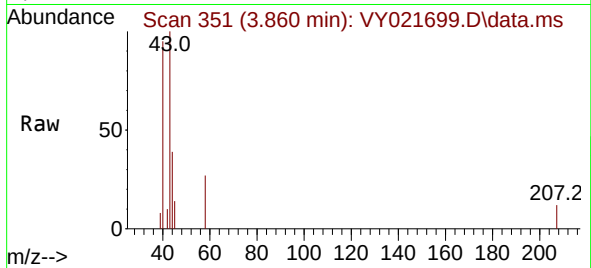




#16
Acetone
Concen: 4.734 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

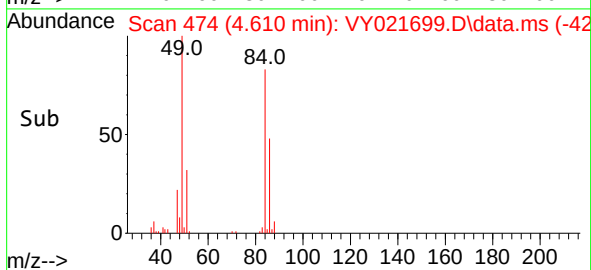
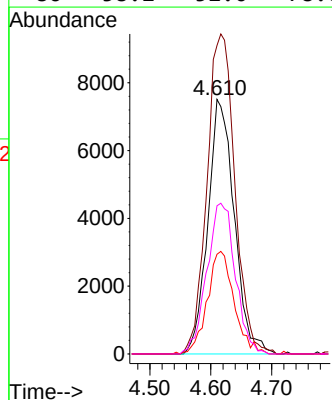
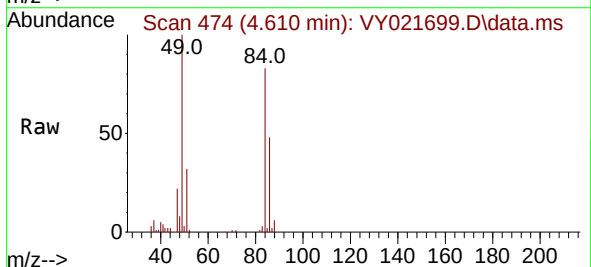
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

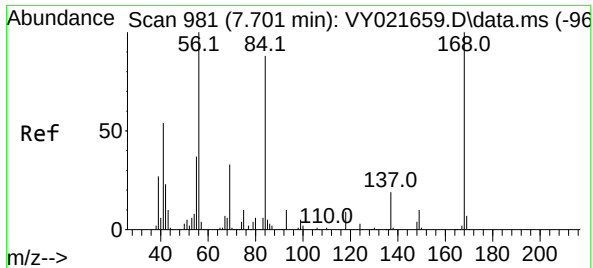
Tgt Ion: 43 Resp: 2259
Ion Ratio Lower Upper
43 100
58 27.5 24.2 36.4



#20
Methylene Chloride
Concen: 6.317 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion: 84 Resp: 22639
Ion Ratio Lower Upper
84 100
49 121.2 102.8 154.2
51 39.2 33.5 50.3
86 58.2 52.0 78.0

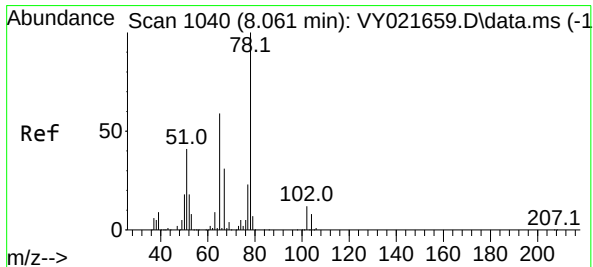
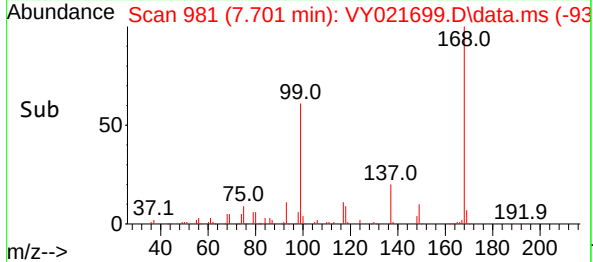
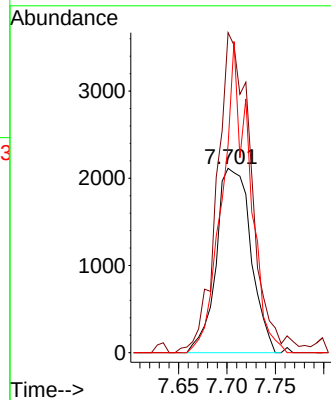
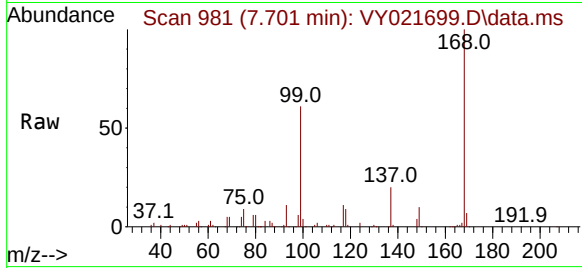




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

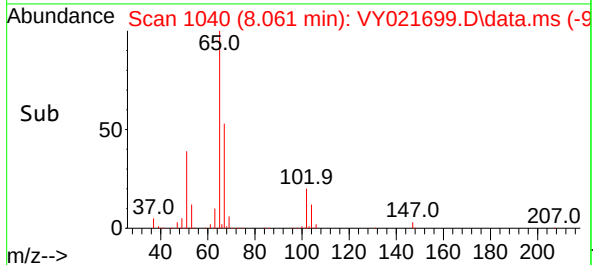
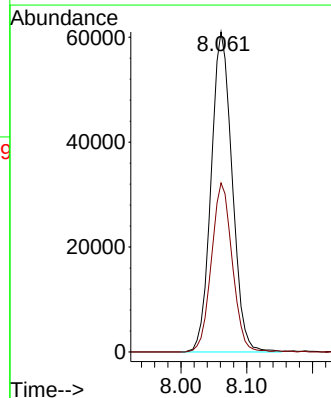
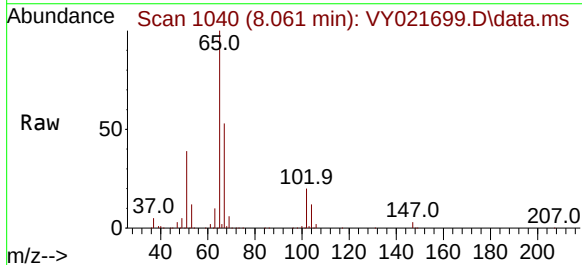
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

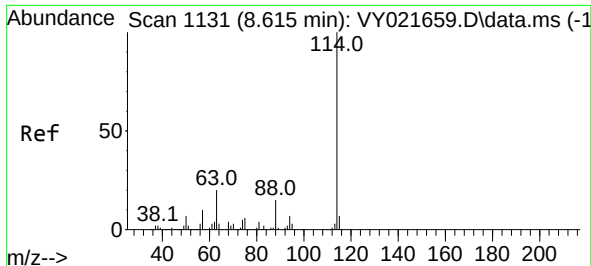
Tgt Ion: 56 Resp: 5253
Ion Ratio Lower Upper
56 100
69 171.2 26.6 40.0#
84 112.6 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 58.182 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion: 65 Resp: 135653
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6

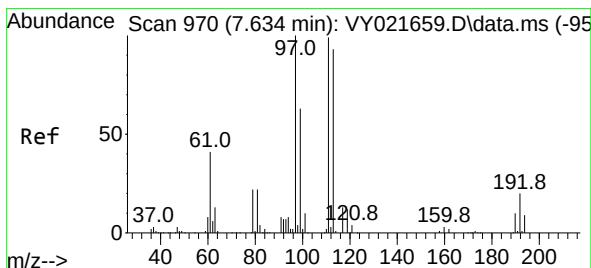
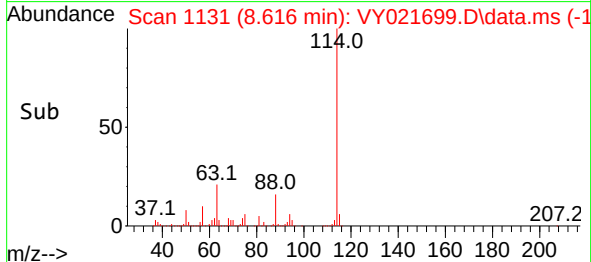
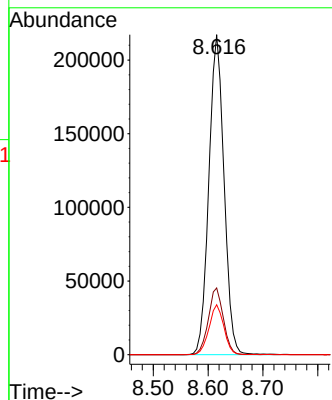
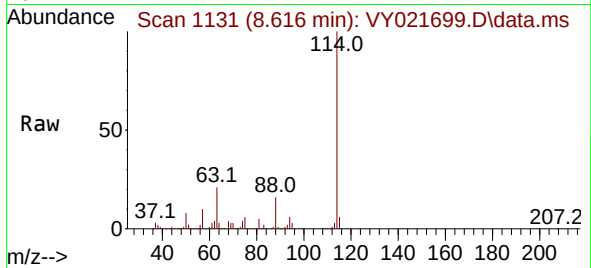




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

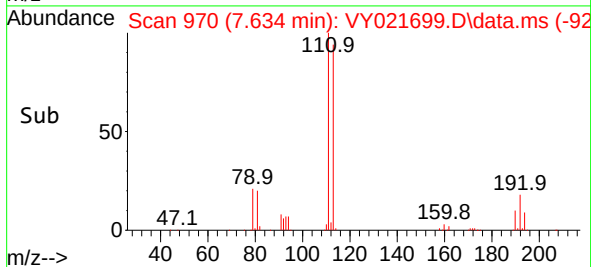
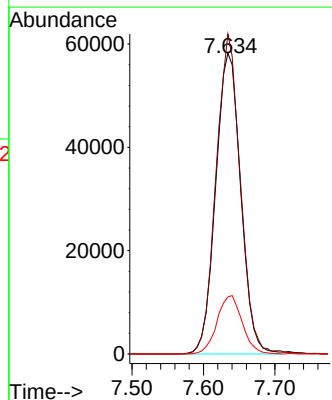
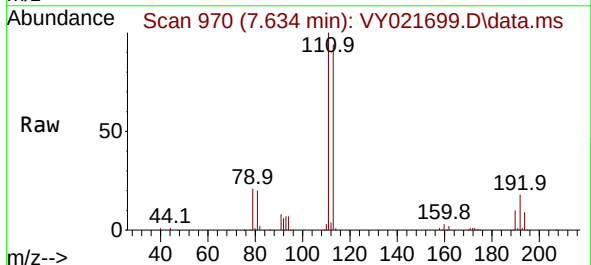
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

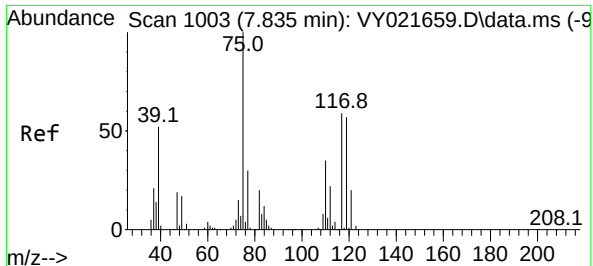
Tgt Ion:114 Resp: 416015
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.2
88 15.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.432 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion:113 Resp: 141495
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 19.5 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.358 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY021699.D

Acq: 28 Mar 2025 17:58

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-002-01

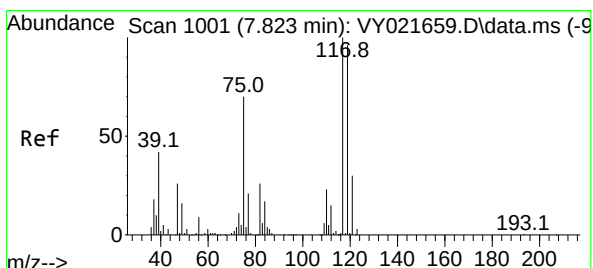
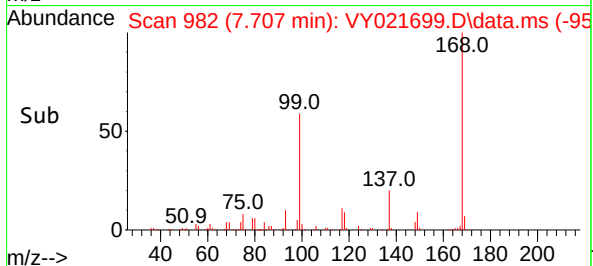
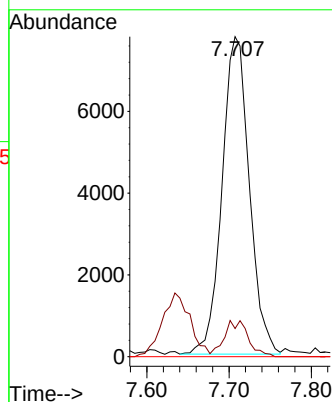
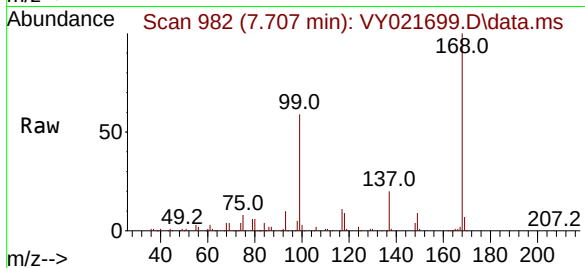
Tgt Ion: 75 Resp: 17913

Ion Ratio Lower Upper

75 100

110 10.0 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.876 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021699.D

Acq: 28 Mar 2025 17:58

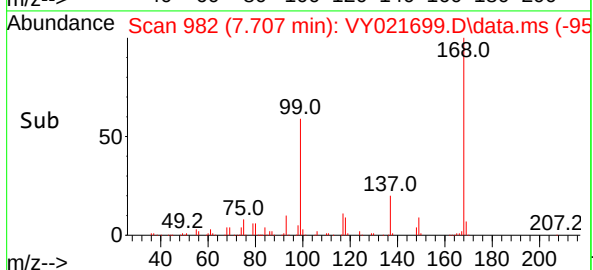
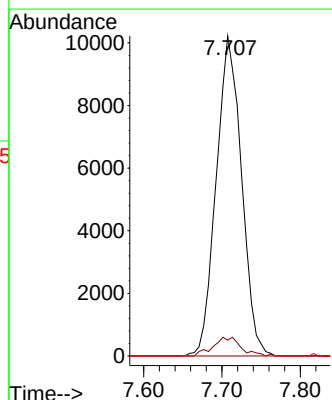
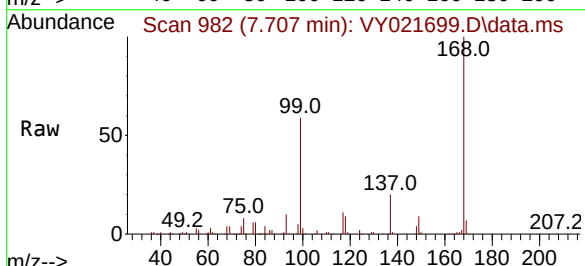
Tgt Ion: 117 Resp: 22955

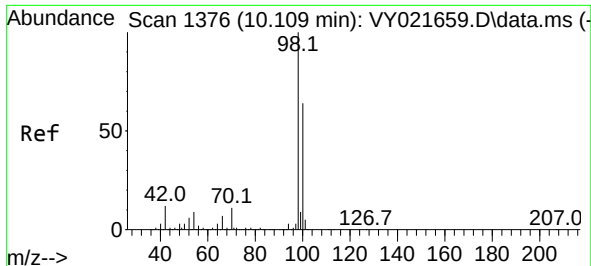
Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.4#

121 0.0 24.2 36.4#

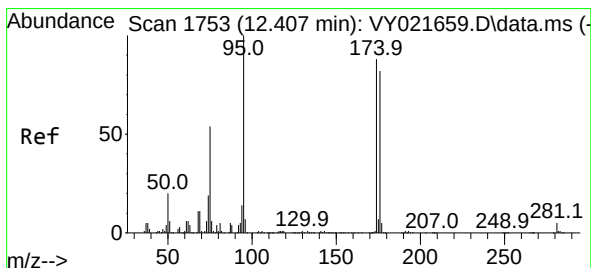
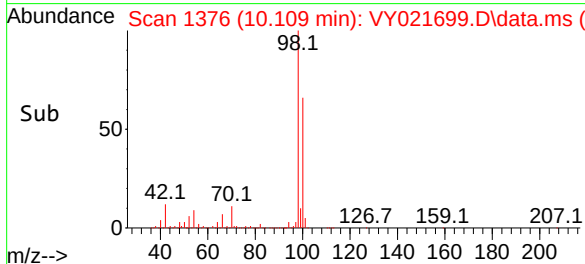
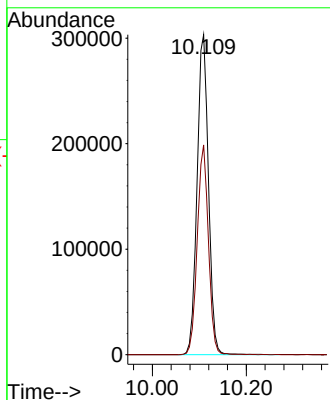
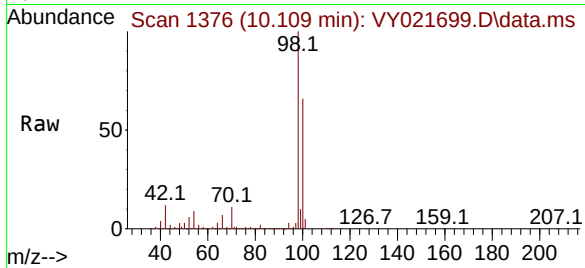




#50
Toluene-d8
Concen: 49.821 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

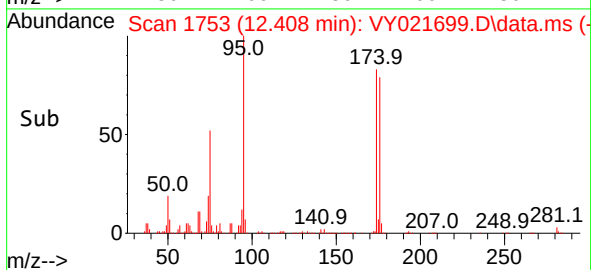
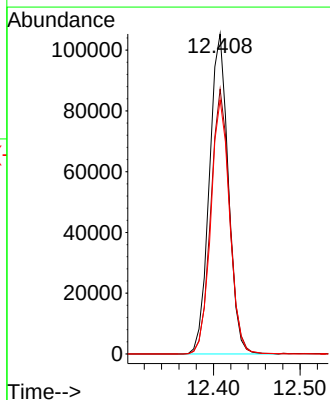
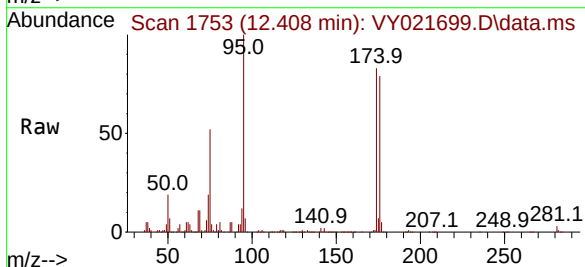
Instrument :
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P001-BBDGA-002-01

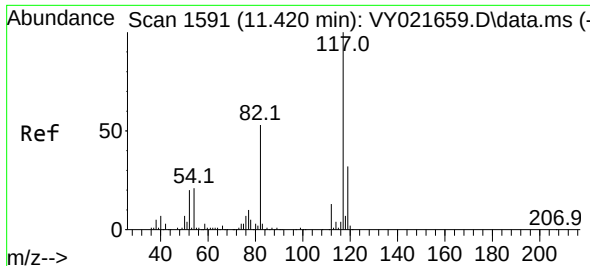
Tgt Ion: 98 Resp: 511479
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.976 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion: 95 Resp: 159654
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.8
176 79.2 0.0 162.0

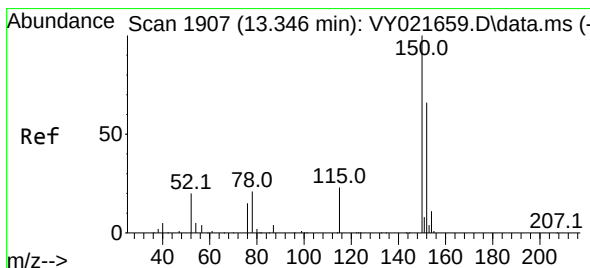
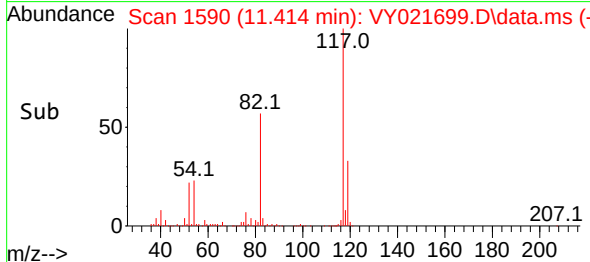
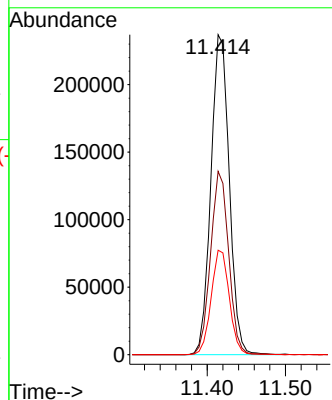
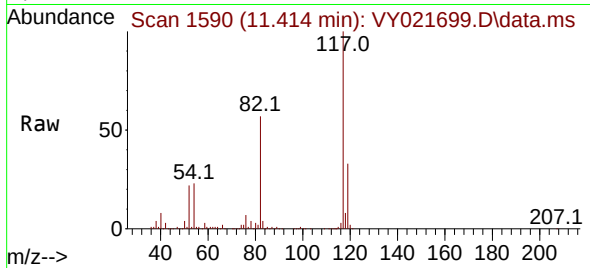




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

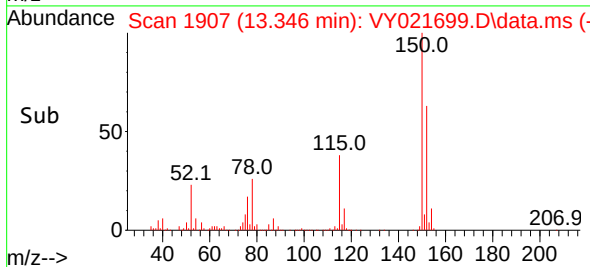
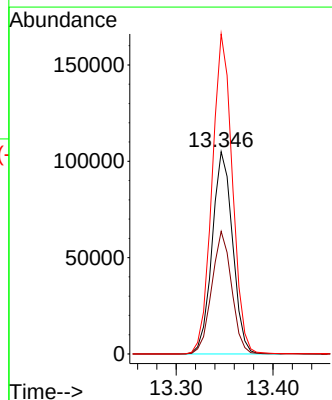
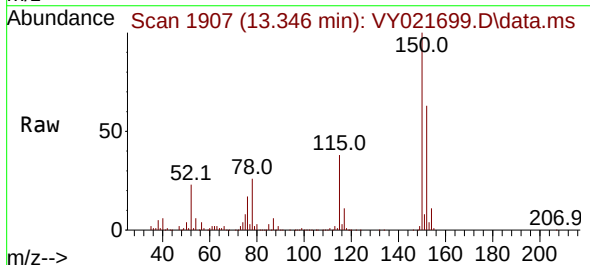
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

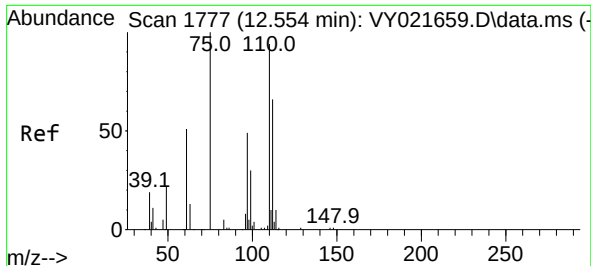
Tgt Ion:117 Resp: 385659
Ion Ratio Lower Upper
117 100
82 57.3 42.8 64.2
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion:152 Resp: 154270
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 157.2 0.0 348.4

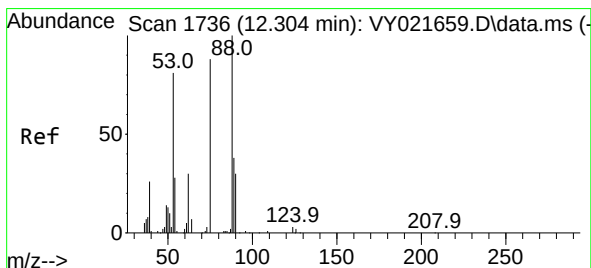
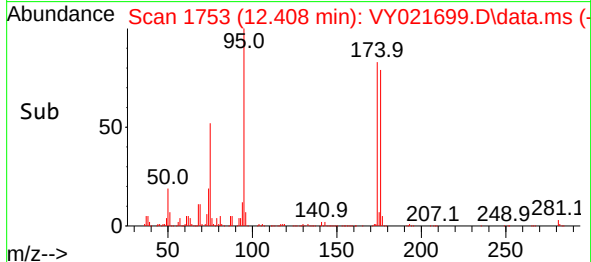
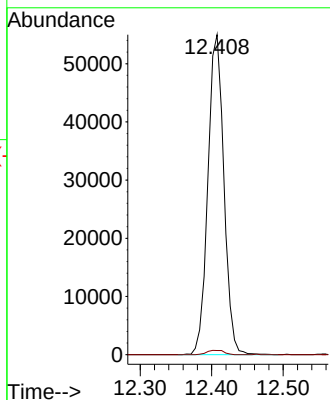
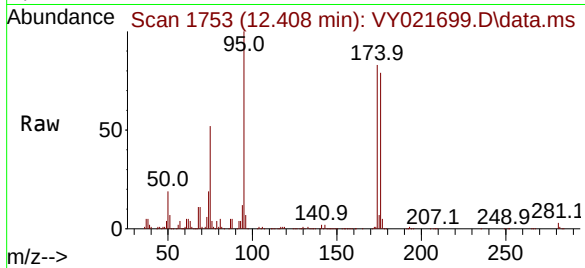




#76
1,2,3-Trichloropropane
Concen: 55.807 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-002-01

Tgt Ion: 75 Resp: 85341
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.589 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021699.D
Acq: 28 Mar 2025 17:58

Tgt Ion: 75 Resp: 85341
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.1 36.2 54.4#

