

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021696.D
 Acq On : 28 Mar 2025 16:48
 Operator : SY/MD
 Sample : Q1664-02
 Misc : 4.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-001-01MS

Quant Time: Mar 28 23:45:59 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)

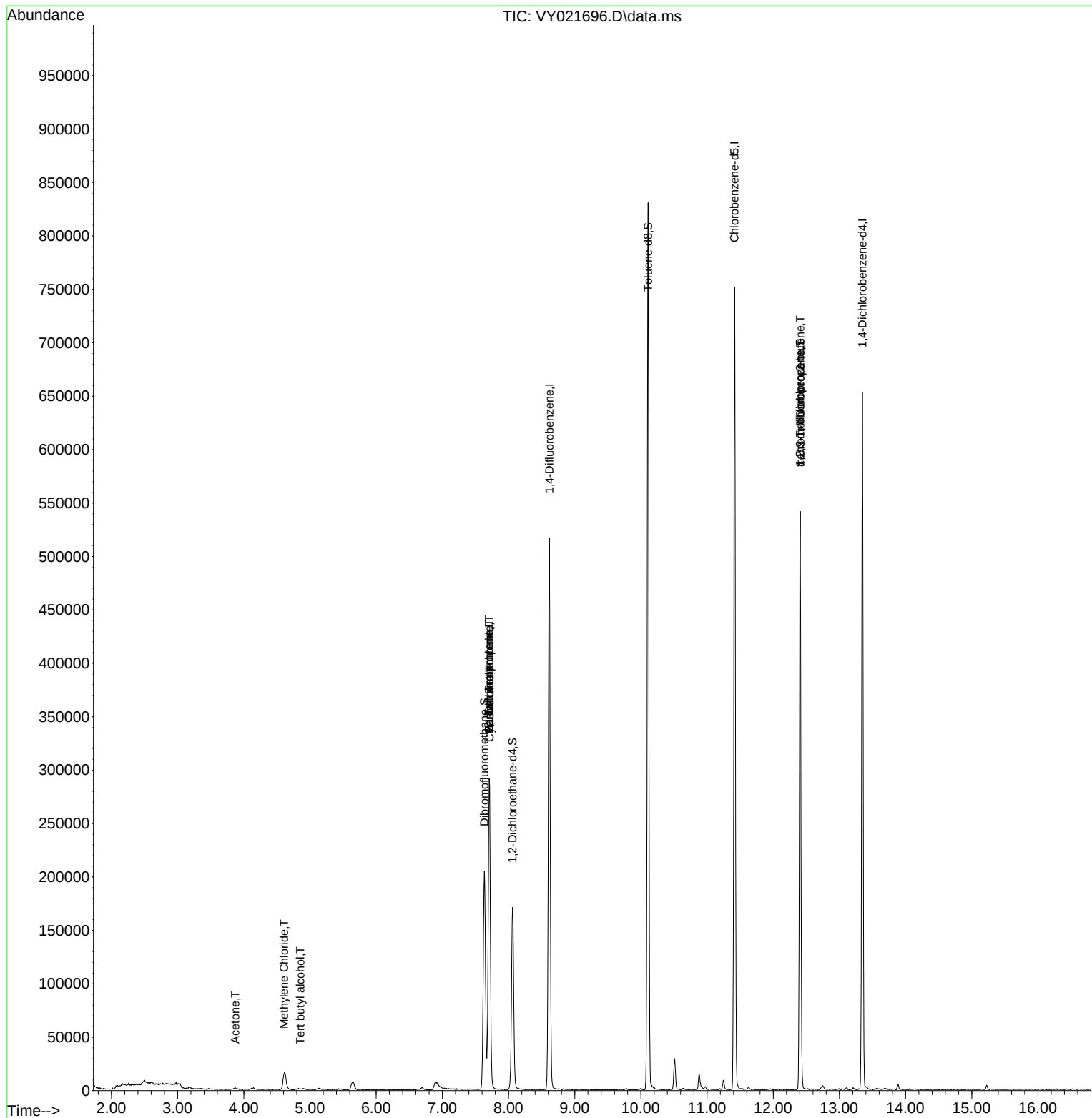
Internal Standards						
1) Pentafluorobenzene	7.707	168	216413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	419544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135792	57.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.820%
35) Dibromofluoromethane	7.634	113	143018	52.551	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.100%
50) Toluene-d8	10.109	98	515919	49.831	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.660%
62) 4-Bromofluorobenzene	12.408	95	159180	45.454	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	788	5.174	ug/l #	70
16) Acetone	3.873	43	2331	4.857	ug/l	89
20) Methylene Chloride	4.610	84	12071	1.380	ug/l	86
31) Cyclohexane	7.713	56	5390	1.302	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	20125	4.855	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22849	4.813	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	86691	56.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	86691	131.215	ug/l #	12

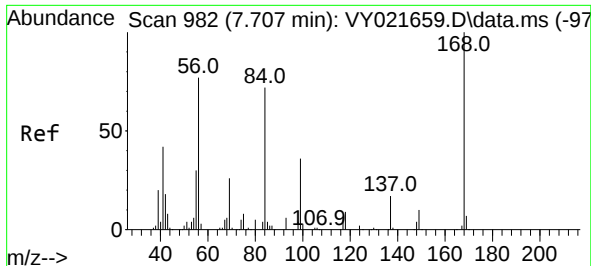
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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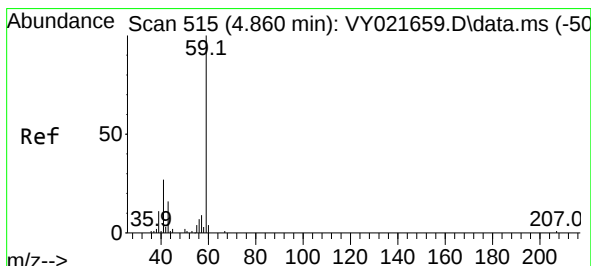
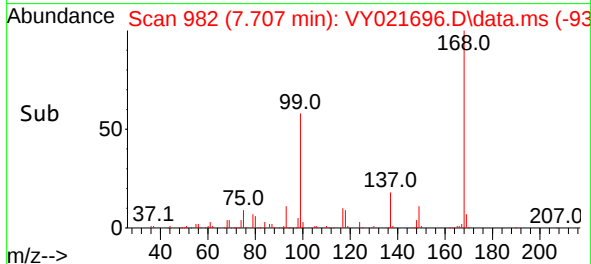
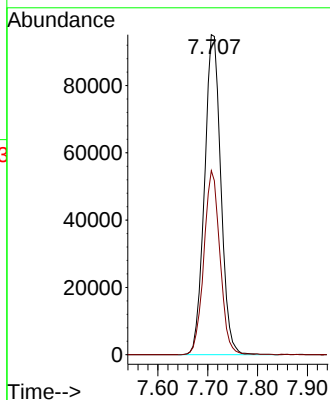
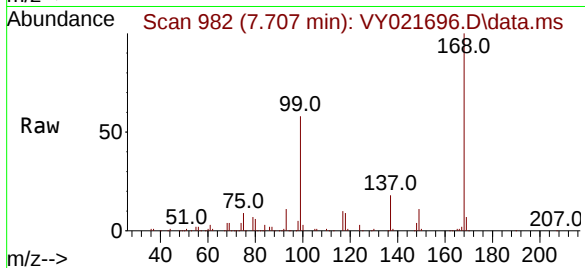




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

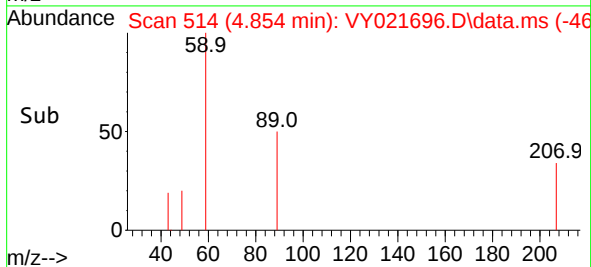
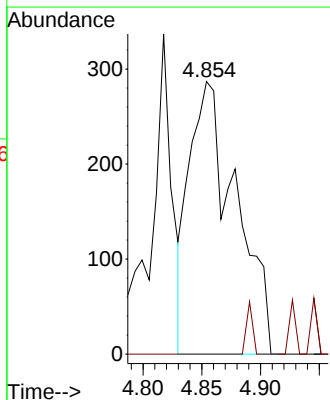
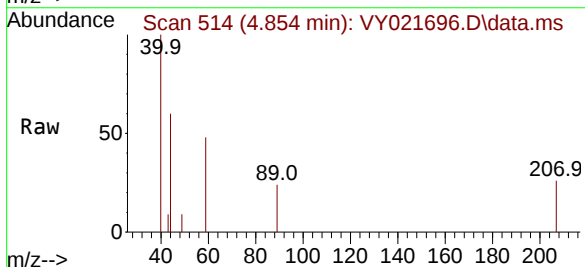
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MS

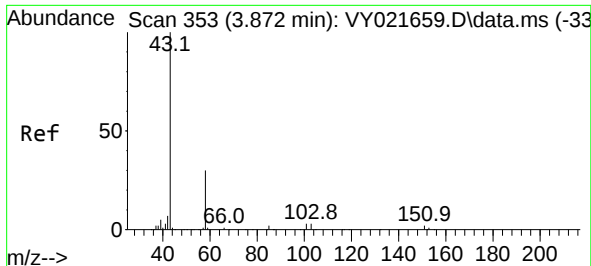
Tgt Ion:168 Resp: 216413
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1



#11
Tert butyl alcohol
Concen: 5.174 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

Tgt Ion: 59 Resp: 788
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

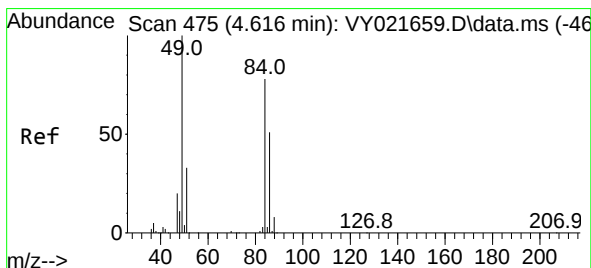
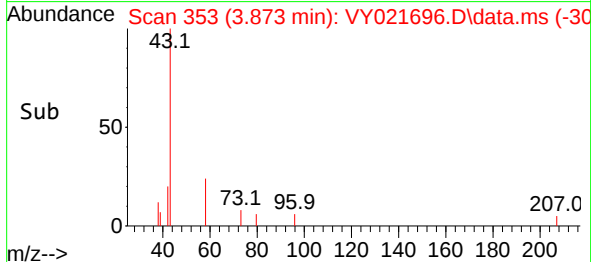
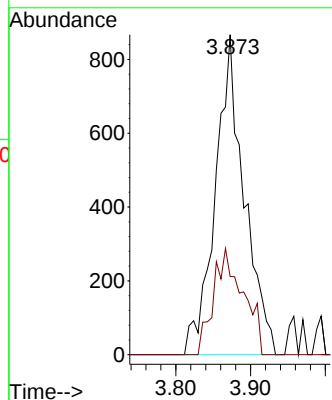
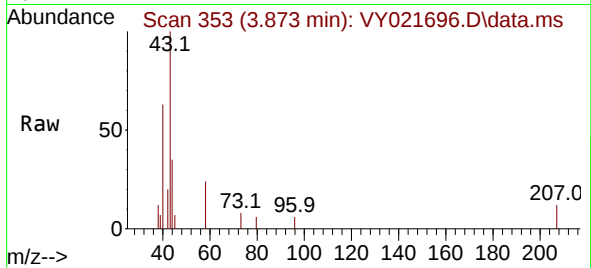




#16
Acetone
Concen: 4.857 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

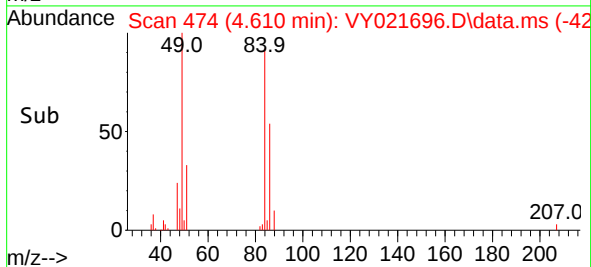
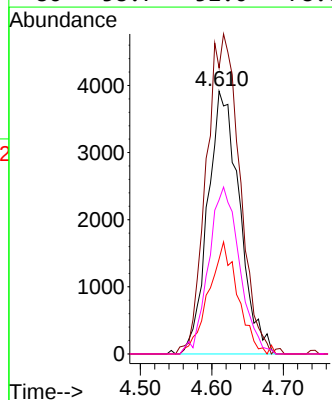
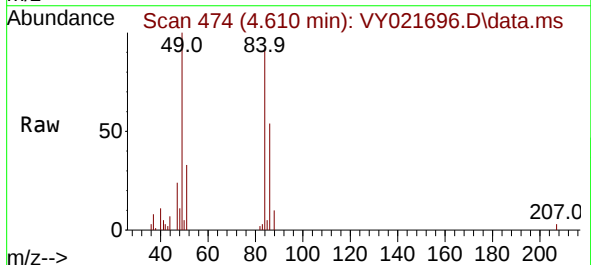
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MS

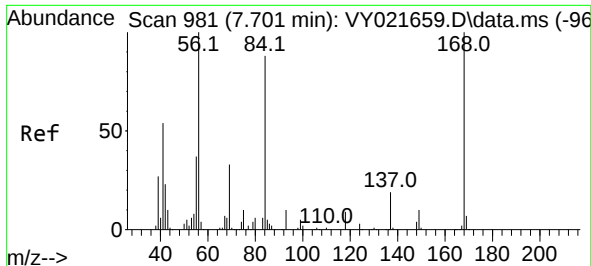
Tgt Ion: 43 Resp: 2331
Ion Ratio Lower Upper
43 100
58 24.5 24.2 36.4



#20
Methylene Chloride
Concen: 1.380 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

Tgt Ion: 84 Resp: 12071
Ion Ratio Lower Upper
84 100
49 106.8 102.8 154.2
51 36.1 33.5 50.3
86 58.7 52.0 78.0

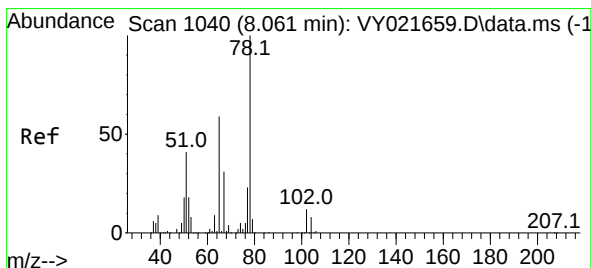
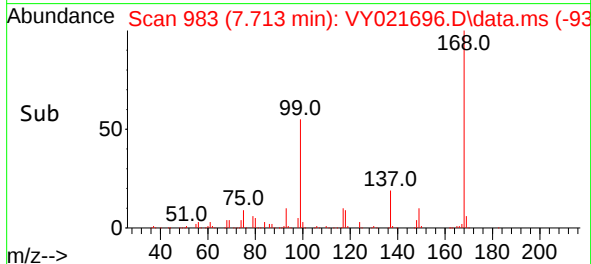
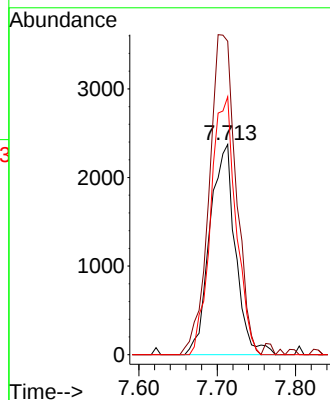
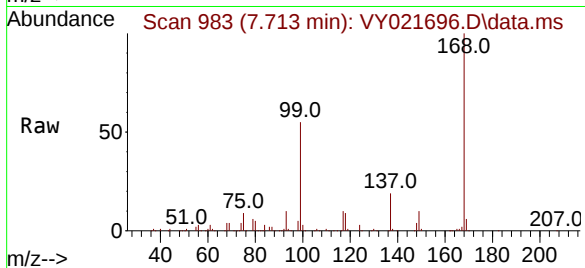




#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

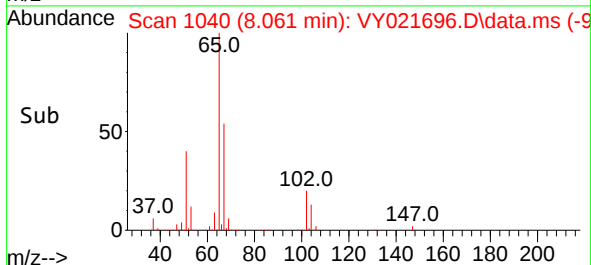
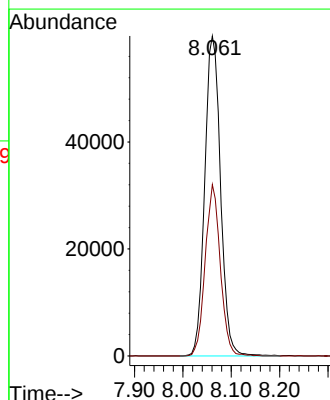
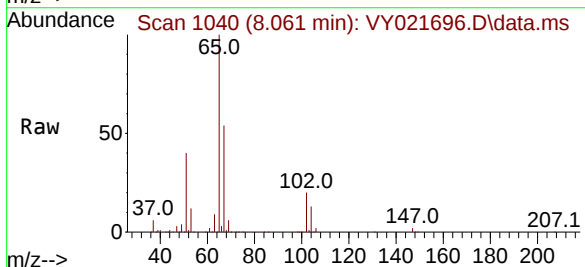
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MS

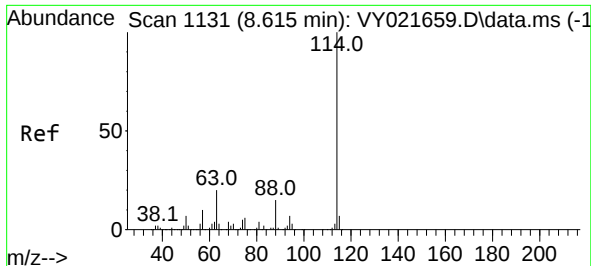
Tgt Ion: 56 Resp: 5390
Ion Ratio Lower Upper
56 100
69 149.1 26.6 40.0#
84 122.7 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 57.913 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

Tgt Ion: 65 Resp: 135792
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6

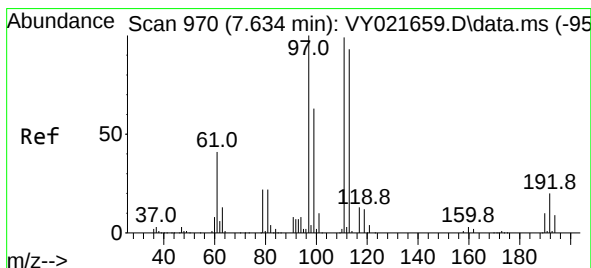
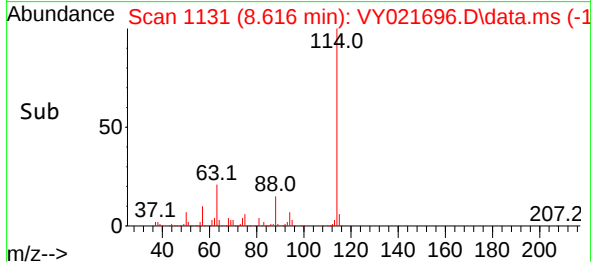
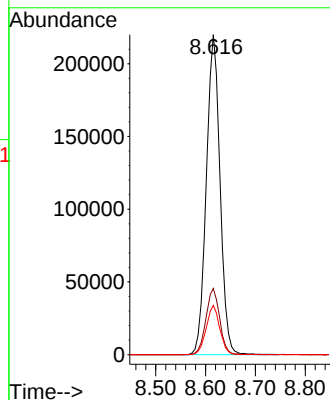
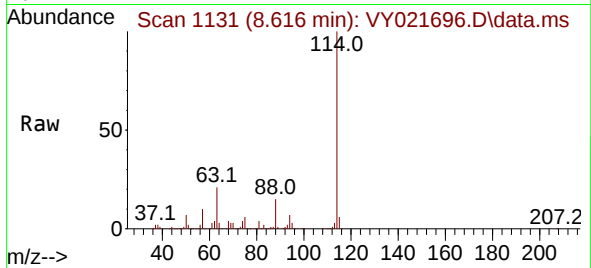




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

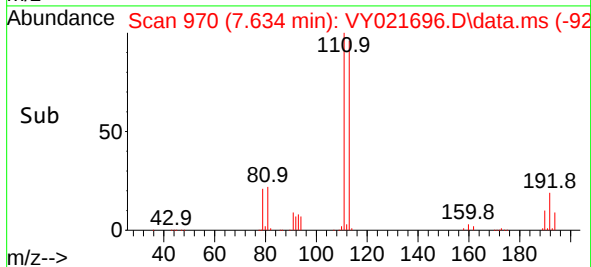
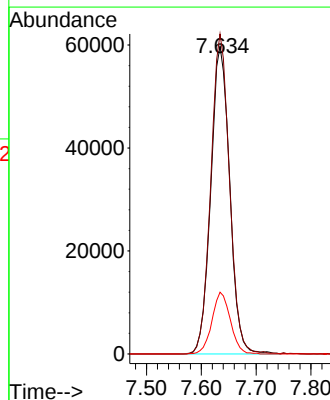
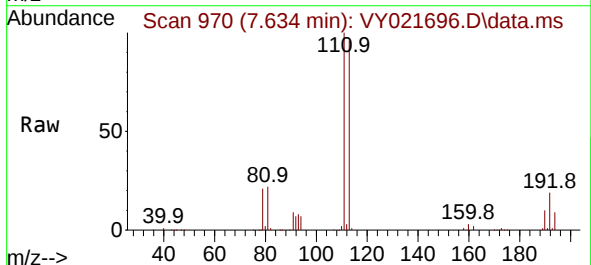
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MS

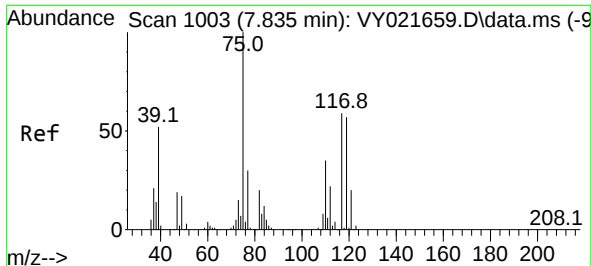
Tgt Ion:114 Resp: 419544
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.2
88 15.4 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.551 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

Tgt Ion:113 Resp: 143018
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.5 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.855 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021696.D

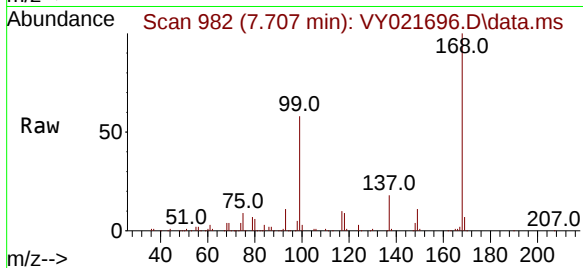
Acq: 28 Mar 2025 16:48

Instrument :

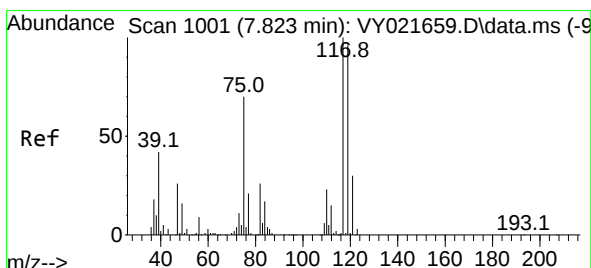
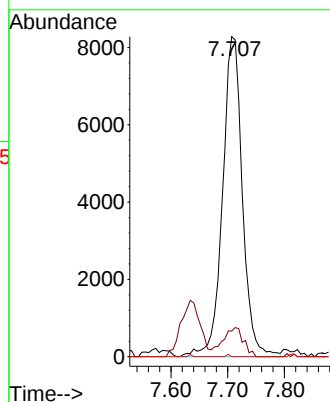
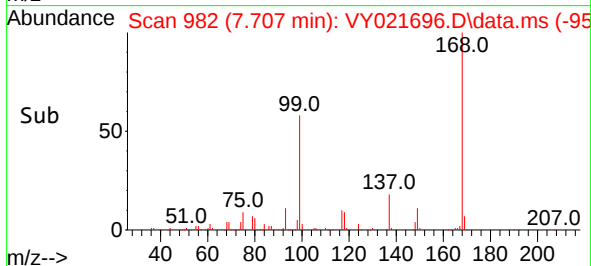
MSVOA_Y

ClientSampleId :

P001-BBDGA-001-01MS



Tgt Ion:	75	Resp:	20125
Ion Ratio	Lower	Upper	
75	100		
110	9.5	17.0	50.9#
77	0.1	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 4.813 ug/l

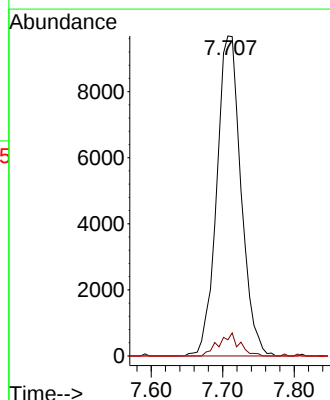
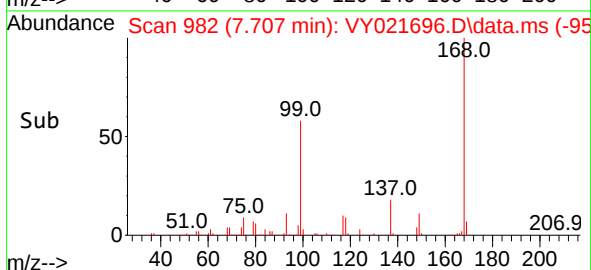
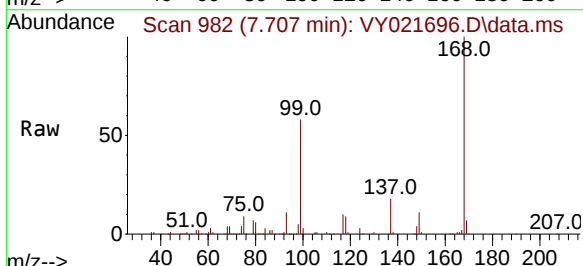
RT: 7.707 min Scan# 982

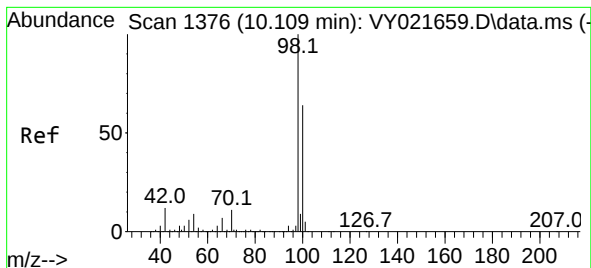
Delta R.T. -0.116 min

Lab File: VY021696.D

Acq: 28 Mar 2025 16:48

Tgt Ion:	117	Resp:	22849
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.2	114.4#
121	0.0	24.2	36.4#

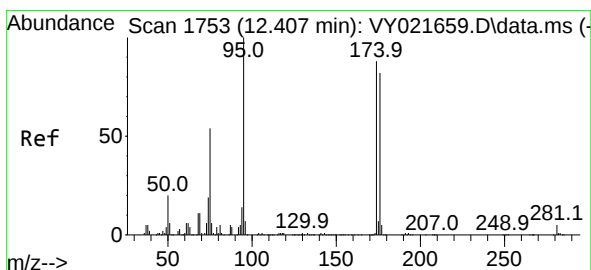
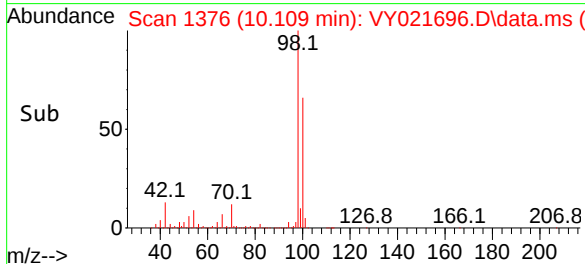
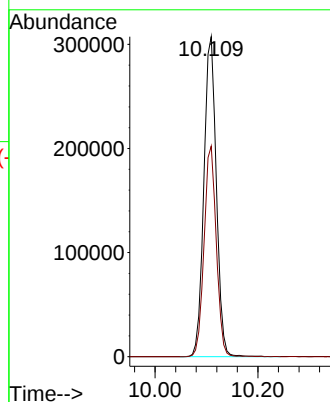
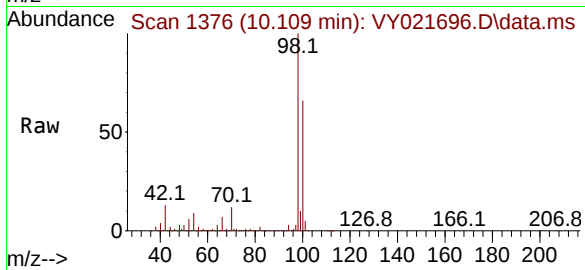




#50
Toluene-d8
Concen: 49.831 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

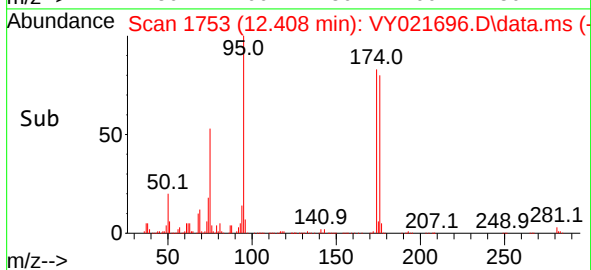
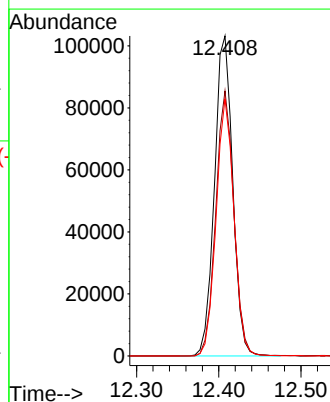
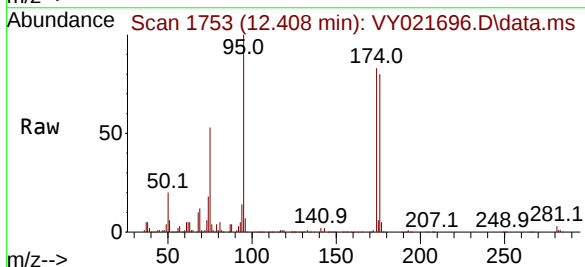
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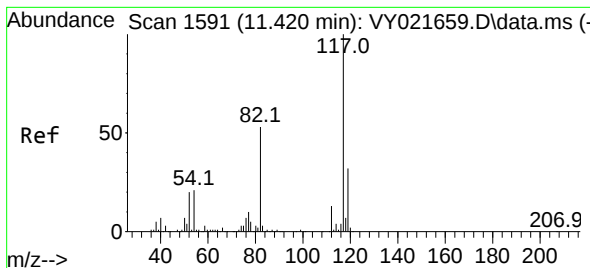
Tgt Ion: 98 Resp: 515919
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.454 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

Tgt Ion: 95 Resp: 159180
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 78.5 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: VY021696.D

Acq: 28 Mar 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-001-01MS

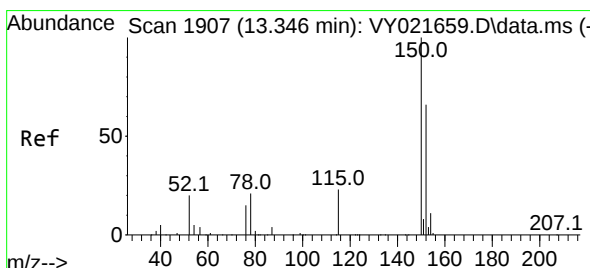
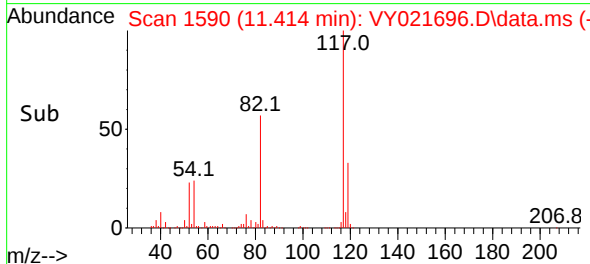
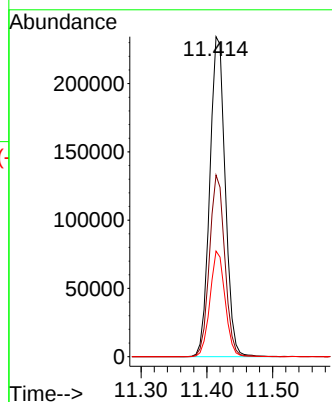
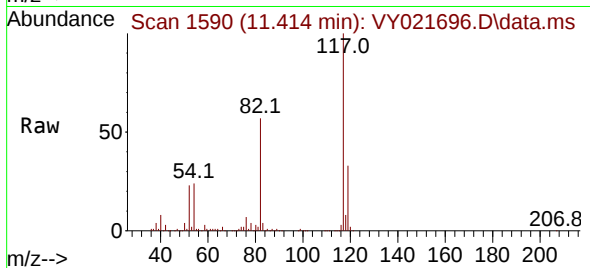
Tgt Ion:117 Resp: 383528

Ion Ratio Lower Upper

117 100

82 56.8 42.8 64.2

119 33.0 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: VY021696.D

Acq: 28 Mar 2025 16:48

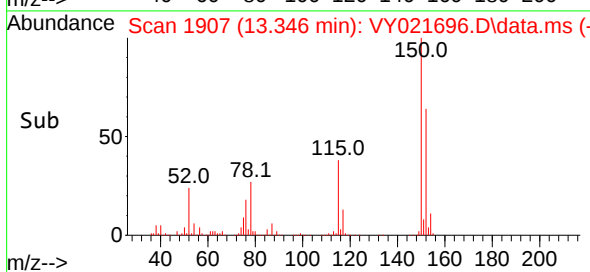
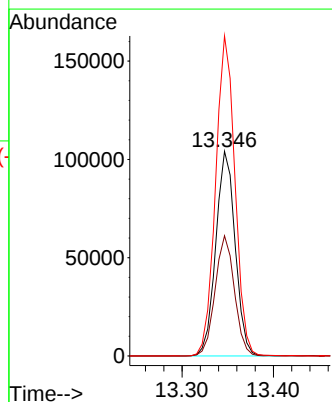
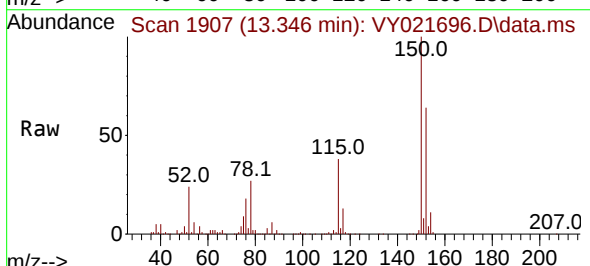
Tgt Ion:152 Resp: 153574

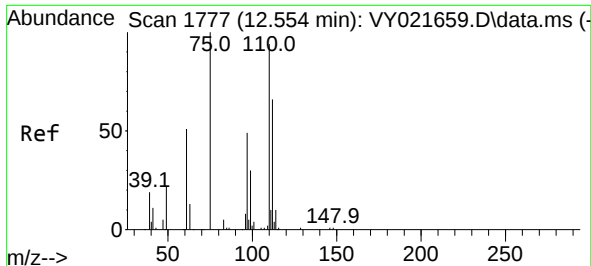
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 155.9 0.0 348.4

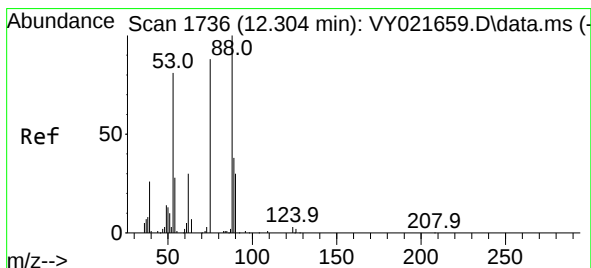
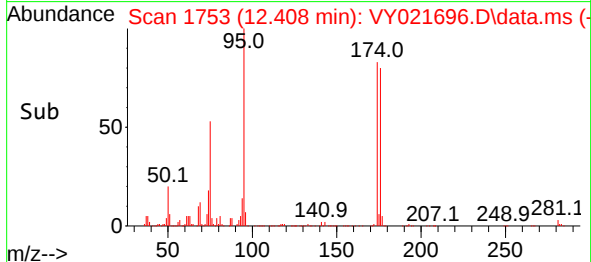
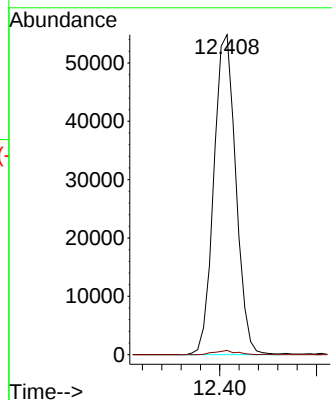
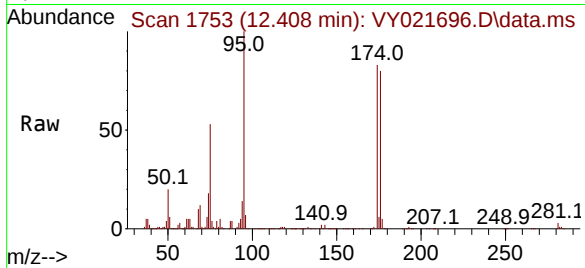




#76
1,2,3-Trichloropropane
Concen: 56.947 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 75 Resp: 86691
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.215 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021696.D
Acq: 28 Mar 2025 16:48

Tgt Ion: 75 Resp: 86691
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

