

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021949.D
 Acq On : 21 Apr 2025 15:31
 Operator : SY/MD
 Sample : Q1851-06
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GP6

Quant Time: Apr 22 02:46:05 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	200548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	366615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	253705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	52596	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109418	50.356	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.720%
35) Dibromofluoromethane	7.634	113	127261	53.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.020%
50) Toluene-d8	10.109	98	427001	47.197	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.408	95	73217	23.925	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.860%

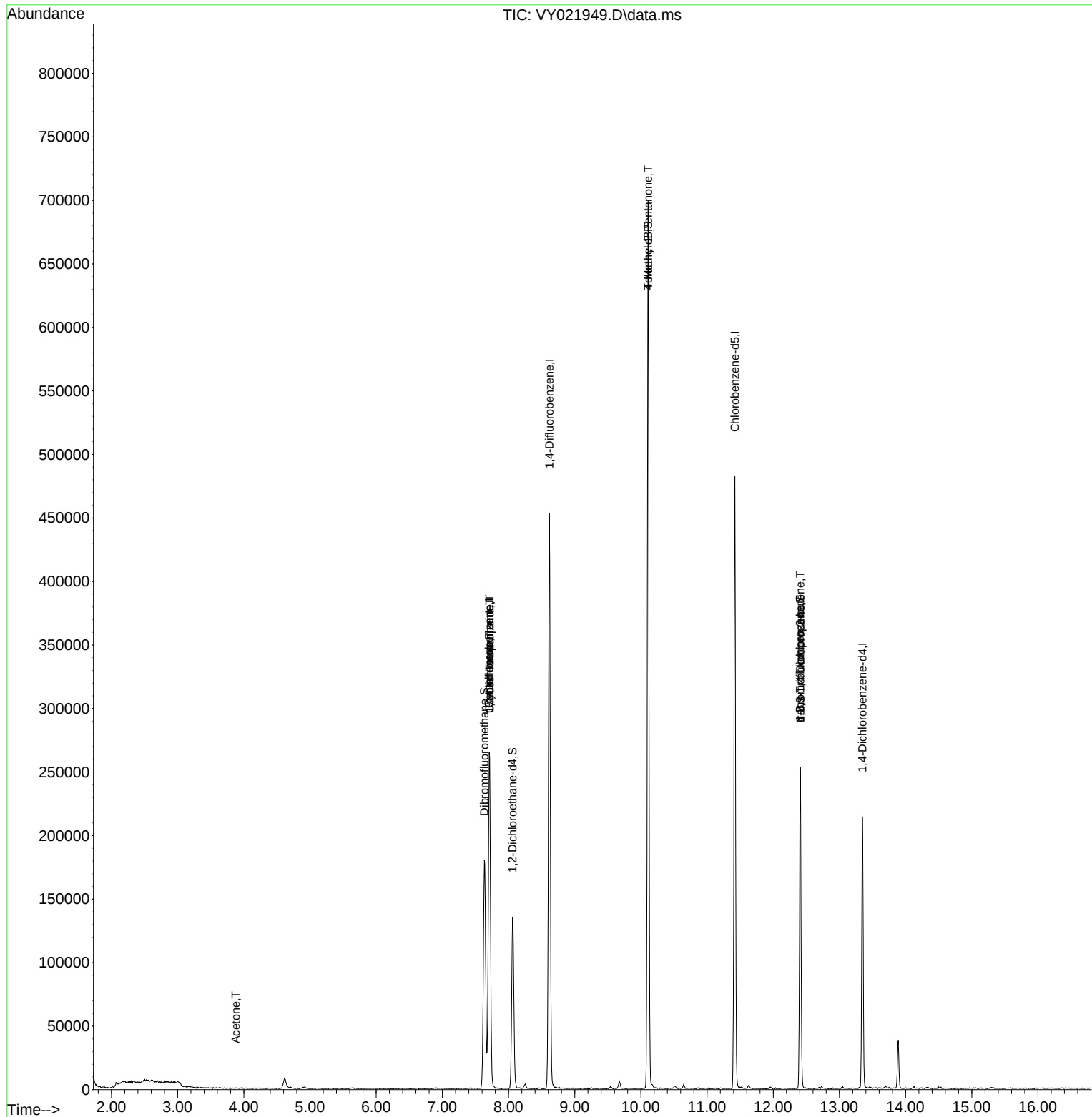
Target Compounds					Qvalue	
16) Acetone	3.879	43	508	1.142	ug/l #	44
20) Methylene Chloride	4.629	84	5654	Below Cal	#	80
31) Cyclohexane	7.707	56	4850	1.265	ug/l #	14
36) 1,1-Dichloropropene	7.713	75	16867	4.656	ug/l #	51
38) Carbon Tetrachloride	7.713	117	20872	5.031	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	2040	1.210	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	38993	74.791	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	38993	172.330	ug/l #	12

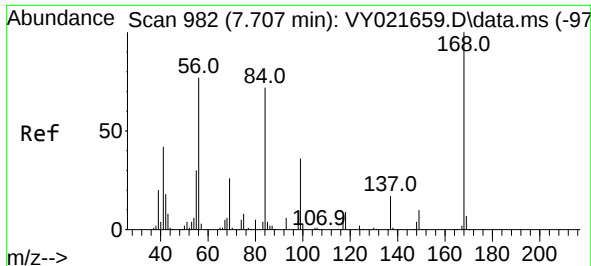
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

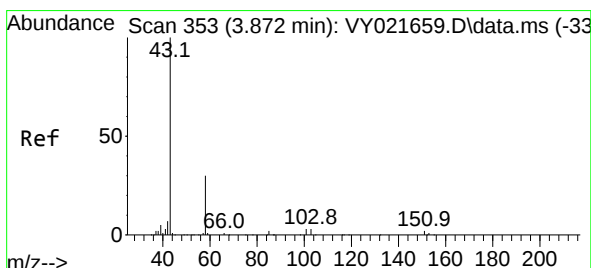
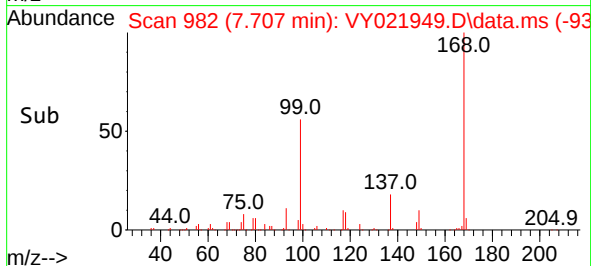
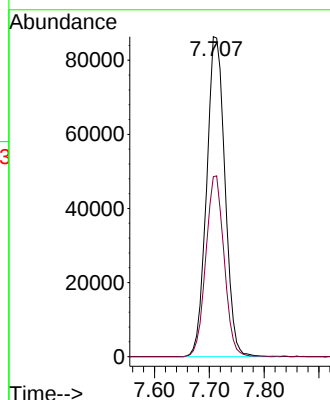
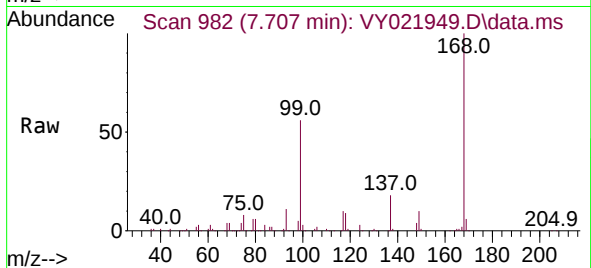




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31

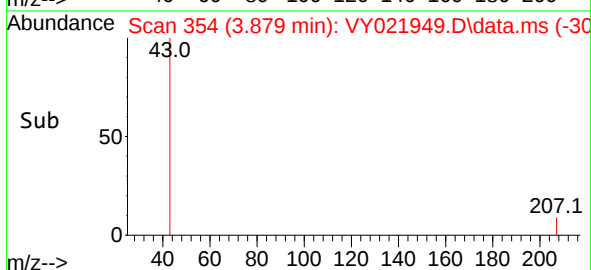
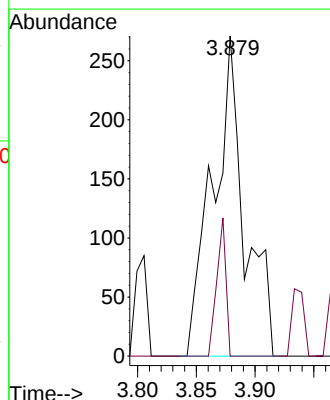
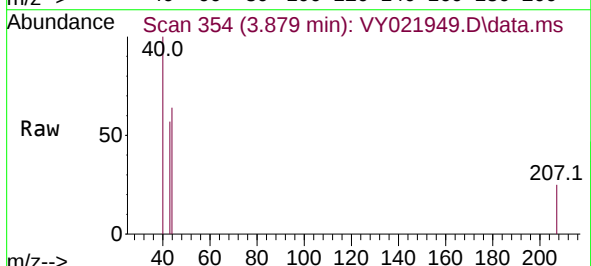
Instrument :
MSVOA_Y
ClientSampleId :
GP6

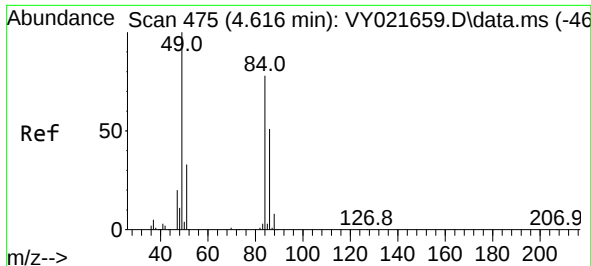
Tgt Ion:168 Resp: 200548
Ion Ratio Lower Upper
168 100
99 56.3 46.7 70.1



#16
Acetone
Concen: 1.142 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31

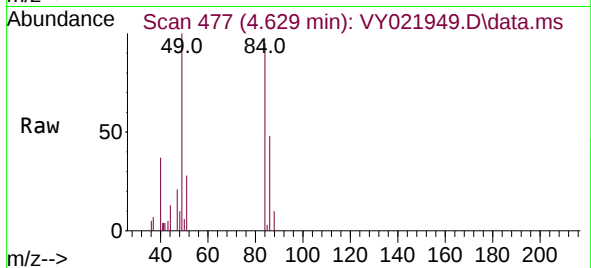
Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#



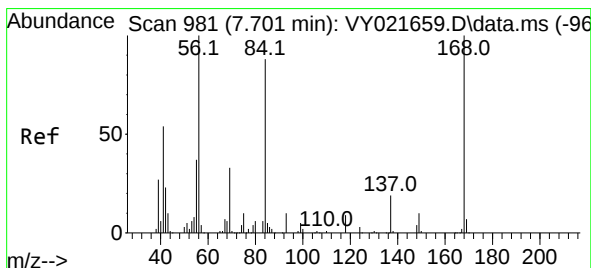
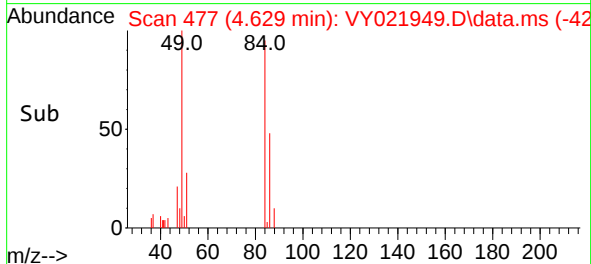
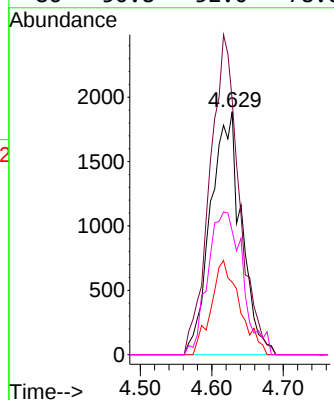


#20
Methylene Chloride
Concen: Below Cal
RT: 4.629 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31

Instrument :
MSVOA_Y
ClientSampleId :
GP6

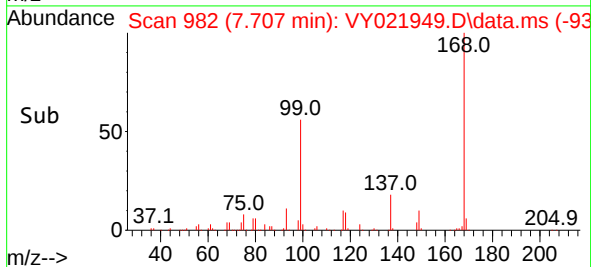
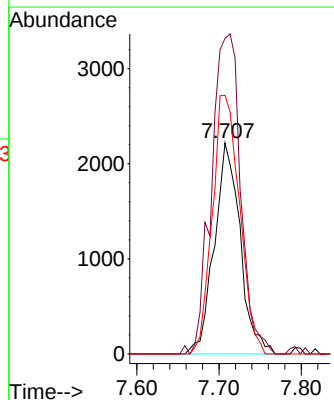
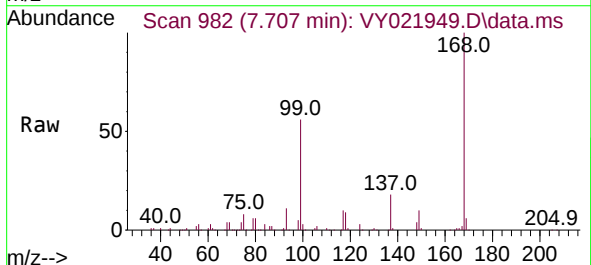


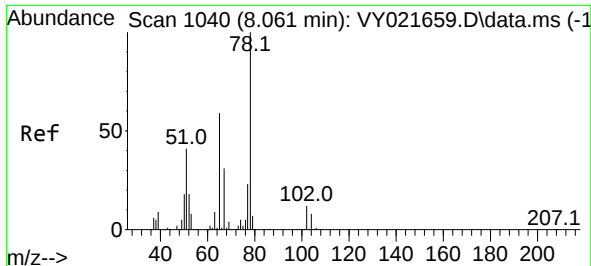
Tgt Ion: 84 Resp: 5654
Ion Ratio Lower Upper
84 100
49 104.8 102.8 154.2
51 29.8 33.5 50.3#
86 50.8 52.0 78.0#



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31

Tgt Ion: 56 Resp: 4850
Ion Ratio Lower Upper
56 100
69 149.6 26.6 40.0#
84 122.6 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 50.356 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021949.D

Acq: 21 Apr 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

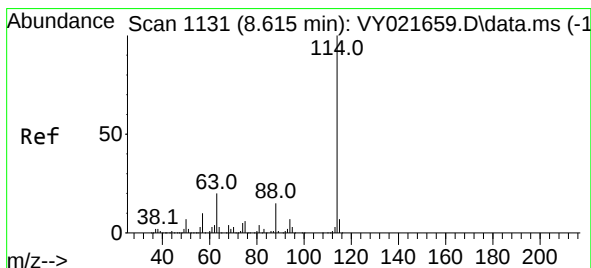
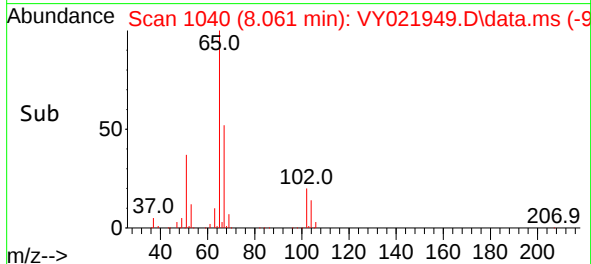
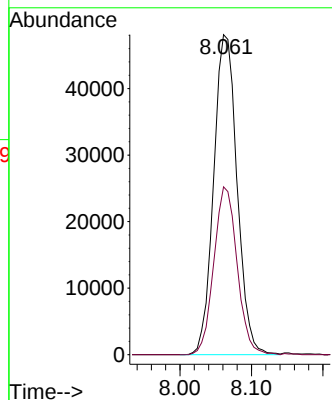
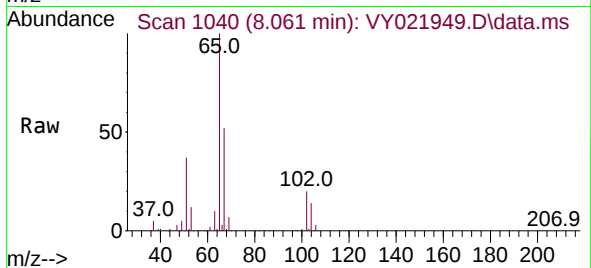
GP6

Tgt Ion: 65 Resp: 109418

Ion Ratio Lower Upper

65 100

67 52.1 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: VY021949.D

Acq: 21 Apr 2025 15:31

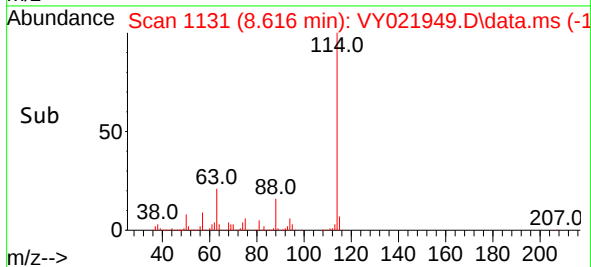
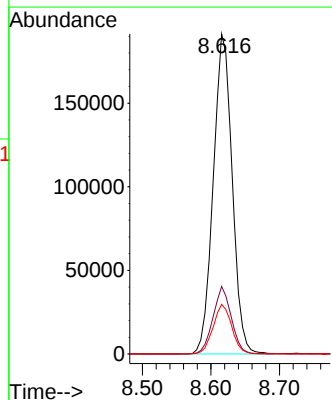
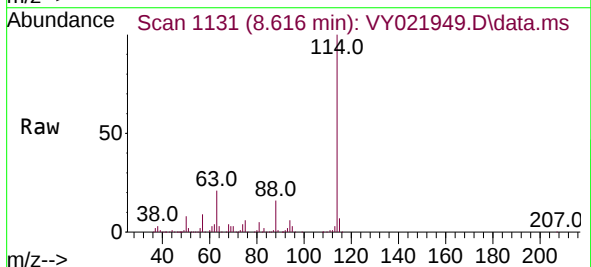
Tgt Ion: 114 Resp: 366615

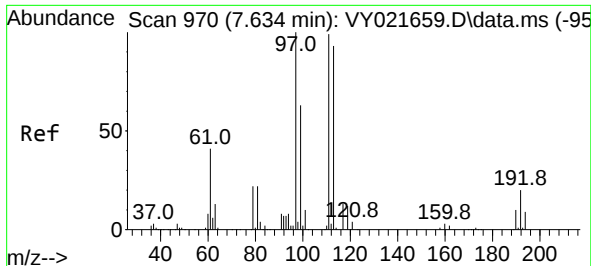
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

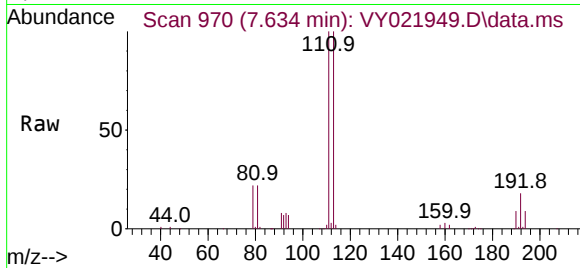
88 15.5 0.0 29.8



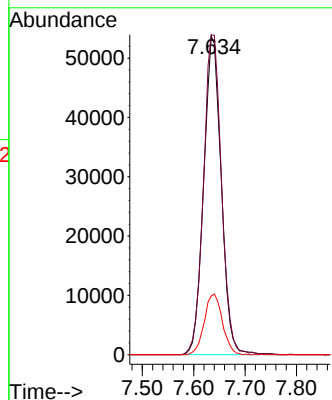
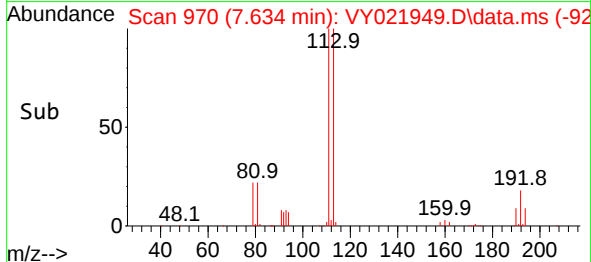


#35
Dibromofluoromethane
Concen: 53.512 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31

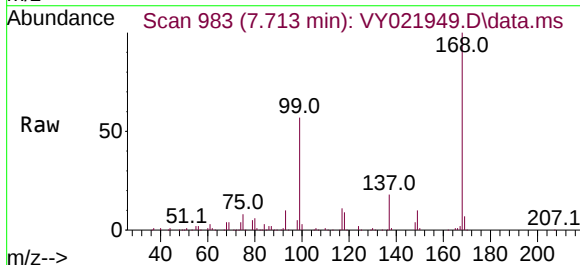
Instrument :
MSVOA_Y
ClientSampleId :
GP6



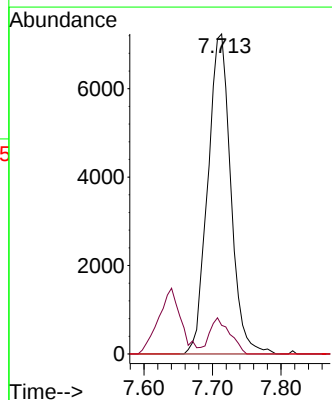
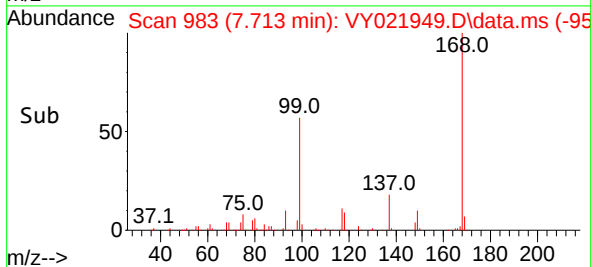
Tgt Ion:113 Resp: 127261
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 19.7 16.2 24.4

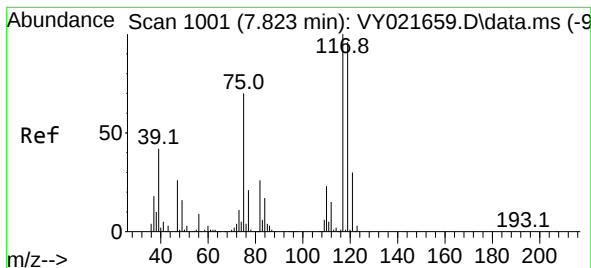


#36
1,1-Dichloropropene
Concen: 4.656 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31



Tgt Ion: 75 Resp: 16867
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.031 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY021949.D

Acq: 21 Apr 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

GP6

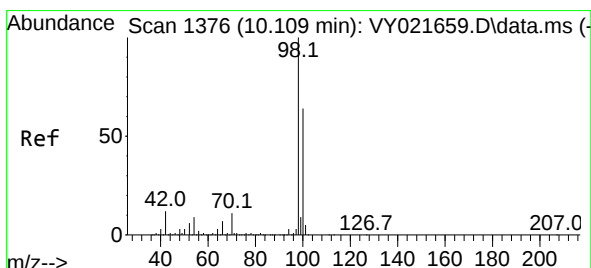
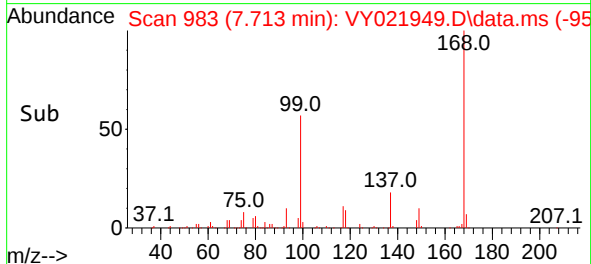
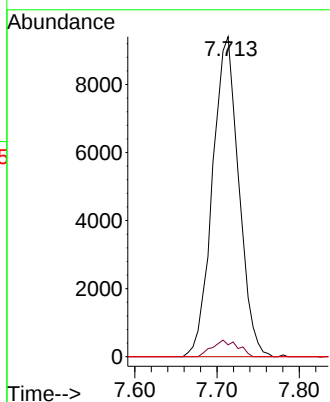
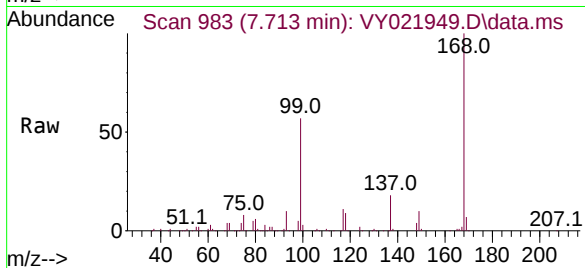
Tgt Ion:117 Resp: 20872

Ion Ratio Lower Upper

117 100

119 3.7 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 47.197 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021949.D

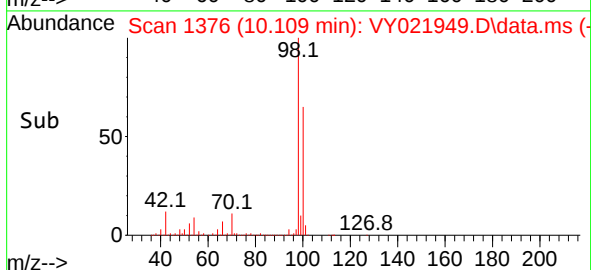
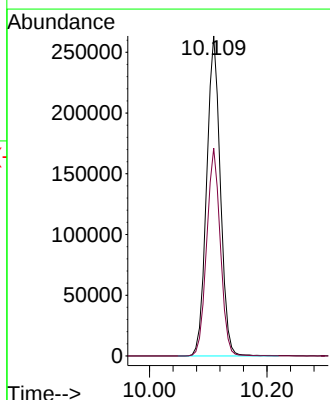
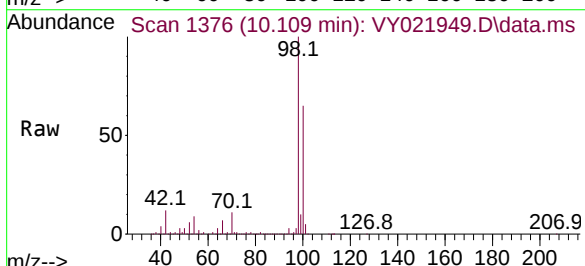
Acq: 21 Apr 2025 15:31

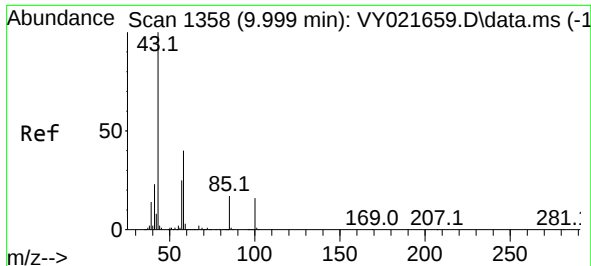
Tgt Ion: 98 Resp: 427001

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.210 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY021949.D

Acq: 21 Apr 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

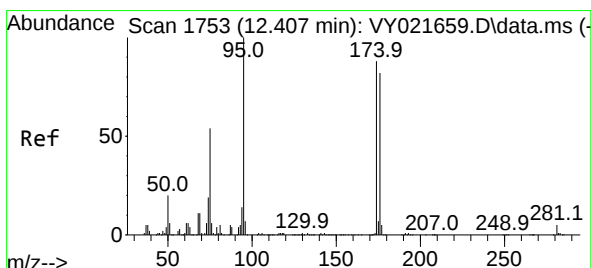
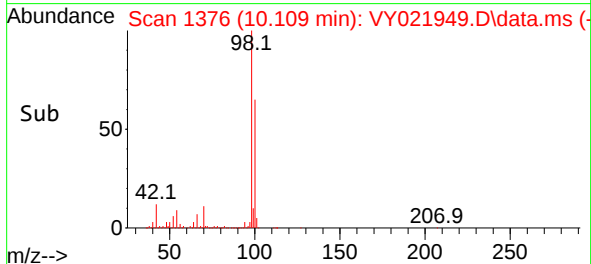
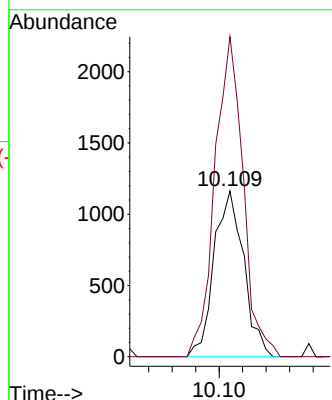
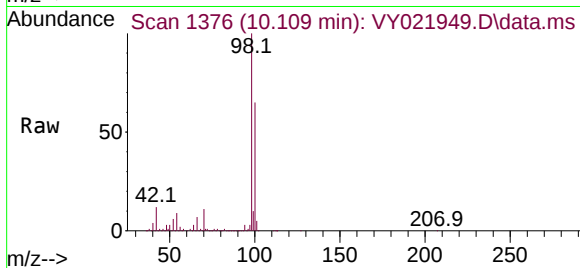
GP6

Tgt Ion: 43 Resp: 2040

Ion Ratio Lower Upper

43 100

58 183.8 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 23.925 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021949.D

Acq: 21 Apr 2025 15:31

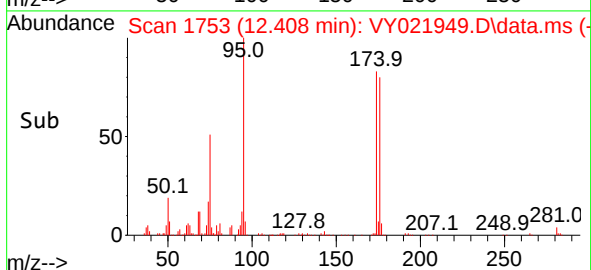
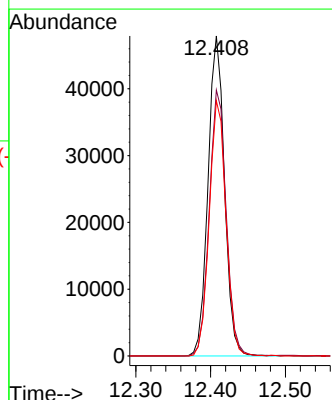
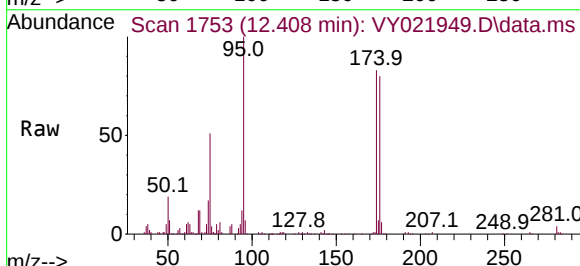
Tgt Ion: 95 Resp: 73217

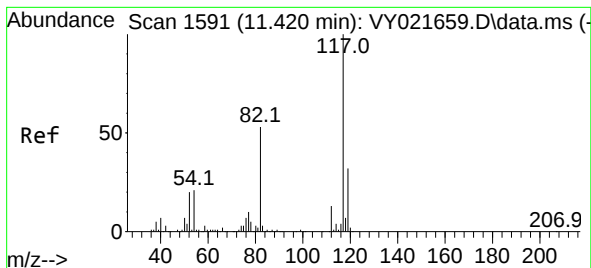
Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.8

176 81.2 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: VY021949.D

Acq: 21 Apr 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

GP6

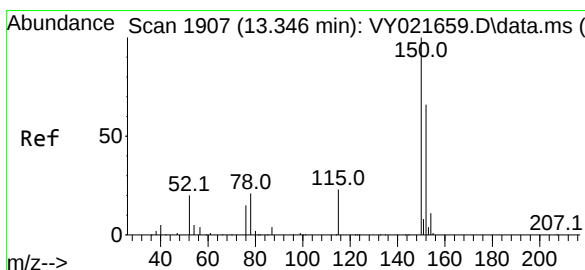
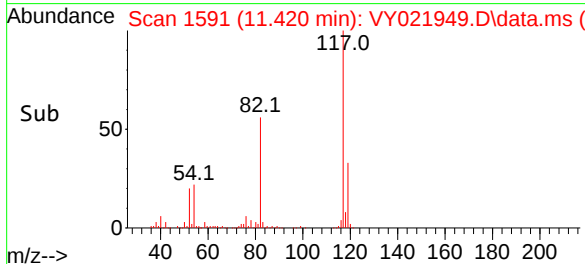
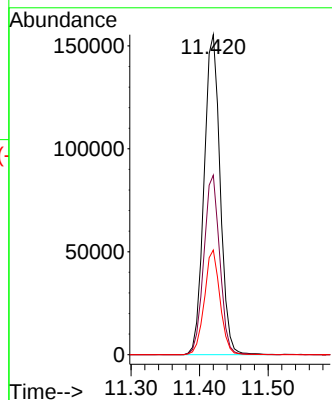
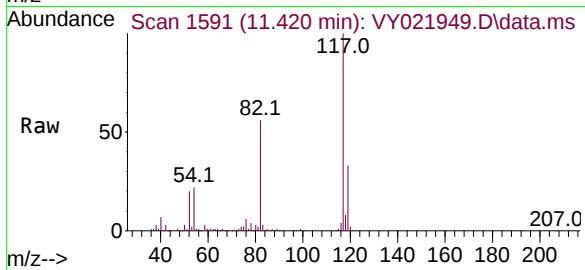
Tgt Ion:117 Resp: 253705

Ion Ratio Lower Upper

117 100

82 56.1 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: VY021949.D

Acq: 21 Apr 2025 15:31

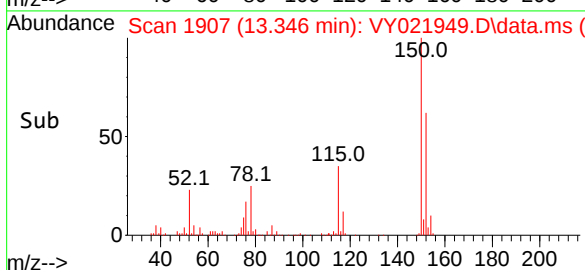
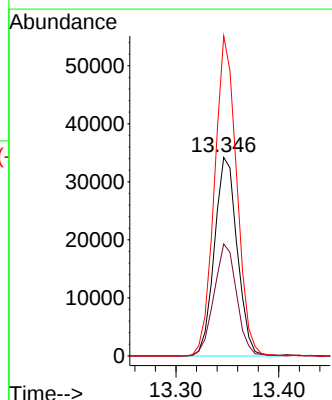
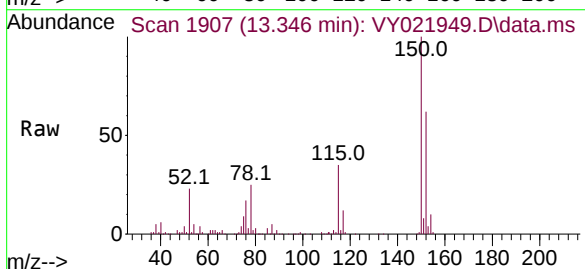
Tgt Ion:152 Resp: 52596

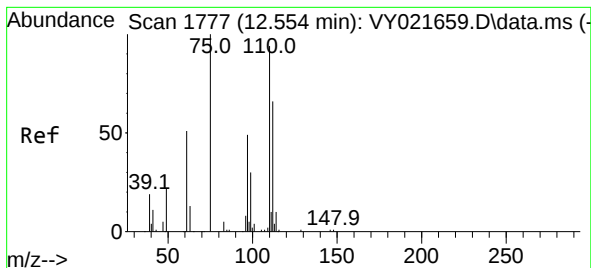
Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 157.4 0.0 348.4

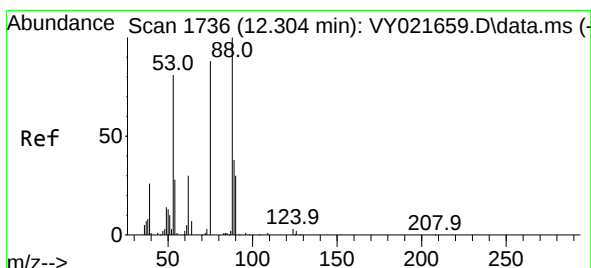
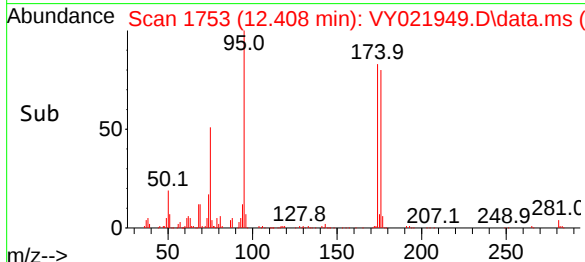
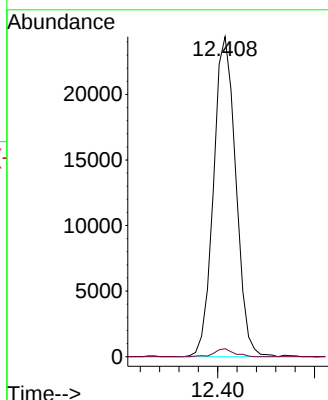
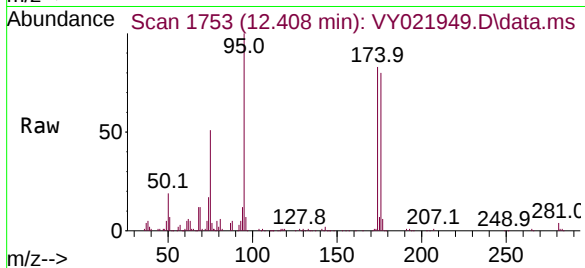




#76
1,2,3-Trichloropropane
Concen: 74.791 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Tgt Ion: 75 Resp: 38993
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 172.330 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021949.D
Acq: 21 Apr 2025 15:31

Tgt Ion: 75 Resp: 38993
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

