

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021251.D
 Acq On : 20 Feb 2025 15:55
 Operator : SY/MD
 Sample : Q1383-01
 Misc : 6..53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

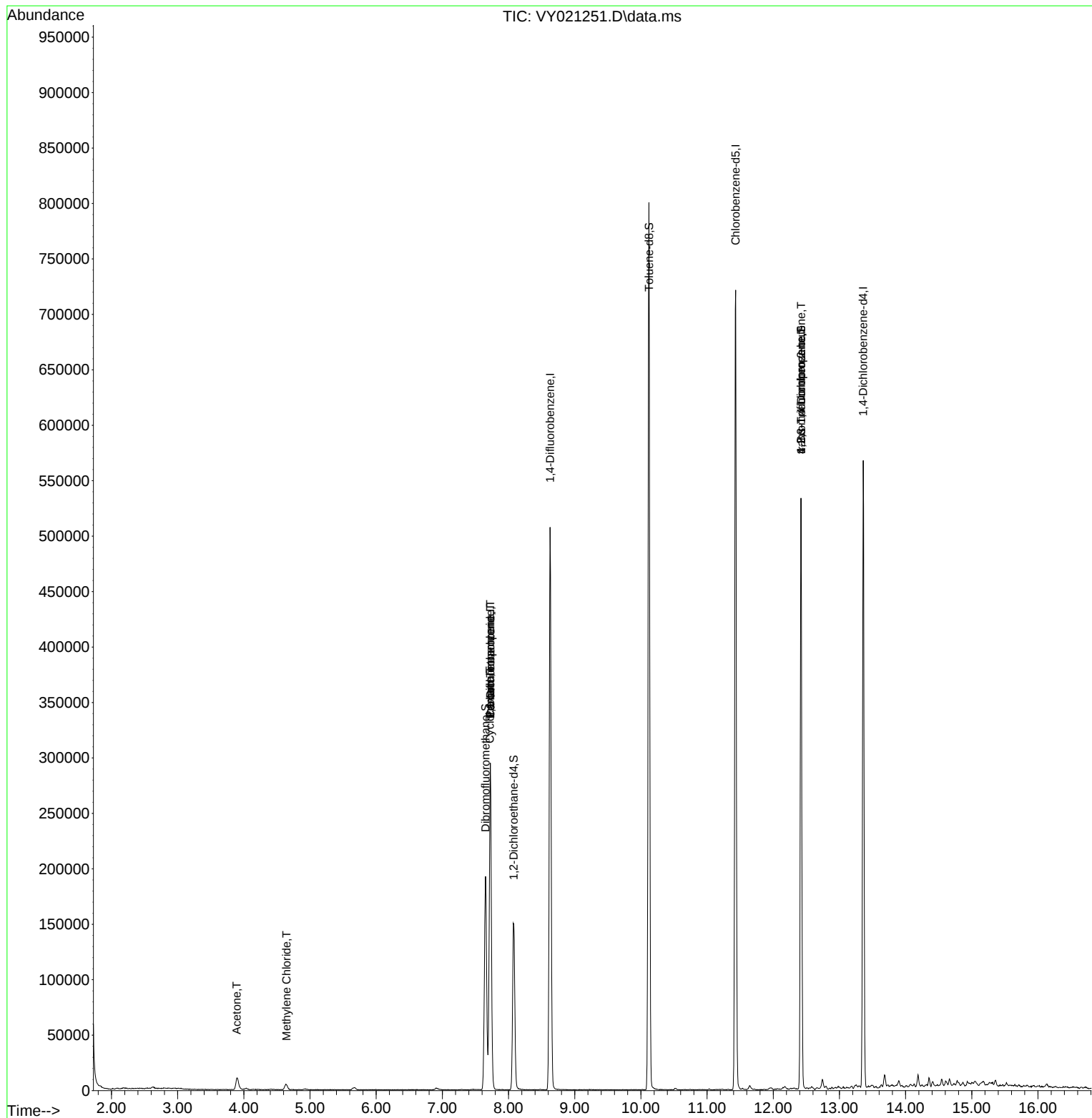
Internal Standards						
1) Pentafluorobenzene	7.725	168	221666	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	419656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	374382	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	140750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	125705	55.349	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.700%	
35) Dibromofluoromethane	7.652	113	135920	50.538	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.080%	
50) Toluene-d8	10.121	98	507425	49.559	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.120%	
62) 4-Bromofluorobenzene	12.420	95	155739	46.559	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.120%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	20672	58.366	ug/l #	85
20) Methylene Chloride	4.647	84	3437	1.561	ug/l	88
31) Cyclohexane	7.719	56	4938	1.275	ug/l #	5
36) 1,1-Dichloropropene	7.725	75	17664	4.434	ug/l #	51
38) Carbon Tetrachloride	7.725	117	22614	4.858	ug/l #	16
76) 1,2,3-Trichloropropane	12.420	75	86251	67.554	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	86251	137.842	ug/l #	12

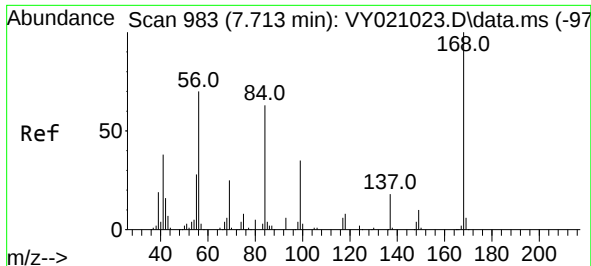
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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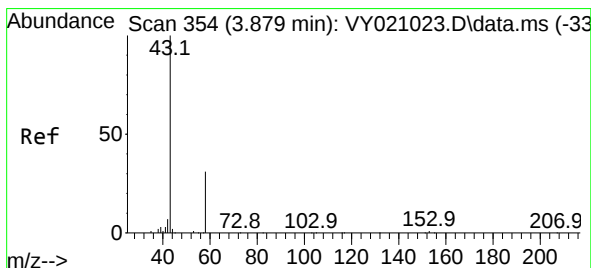
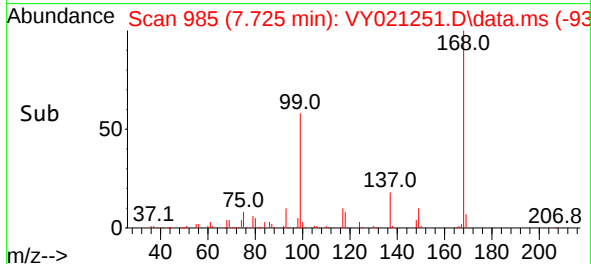
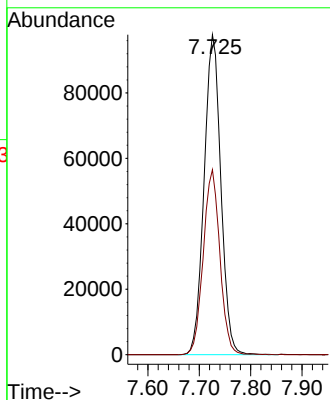
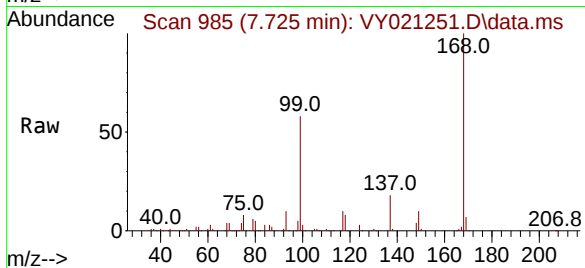




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021251.D
Acq: 20 Feb 2025 15:55

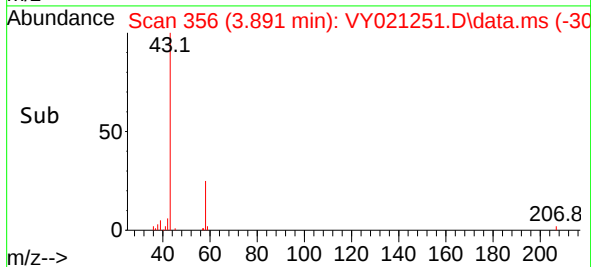
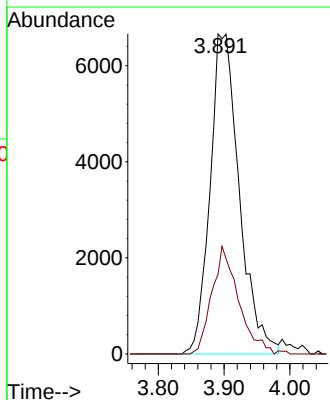
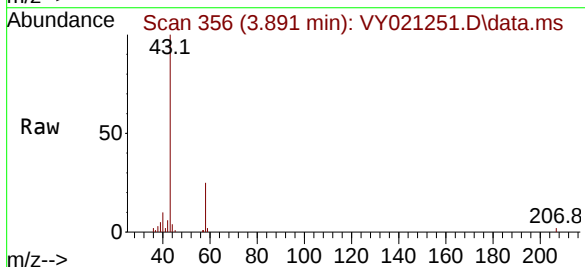
Instrument :
MSVOA_Y
ClientSampleId :

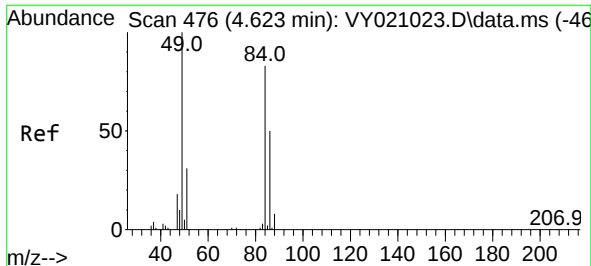
Tgt Ion:168 Resp: 221666
Ion Ratio Lower Upper
168 100
99 57.8 44.2 66.4



#16
Acetone
Concen: 58.366 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021251.D
Acq: 20 Feb 2025 15:55

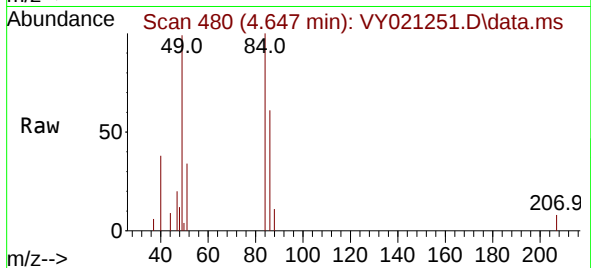
Tgt Ion: 43 Resp: 20672
Ion Ratio Lower Upper
43 100
58 24.9 26.6 39.8#



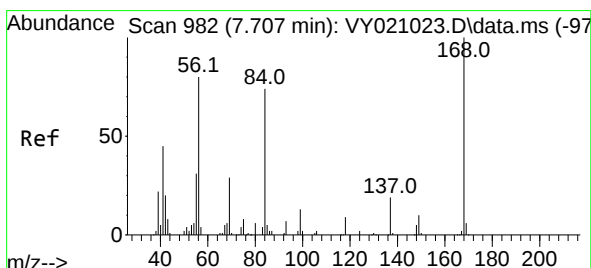
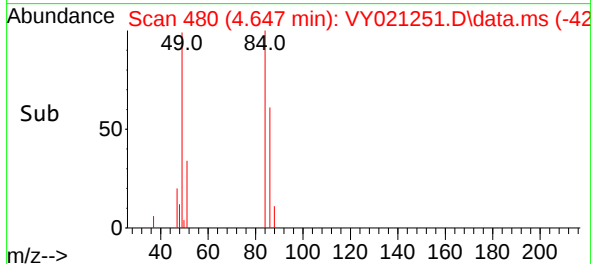
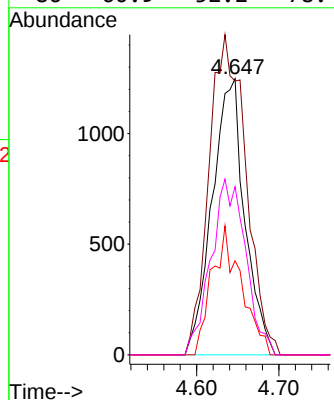


#20
Methylene Chloride
Concen: 1.561 ug/l
RT: 4.647 min Scan# 41
Delta R.T. 0.024 min
Lab File: VY021251.D
Acq: 20 Feb 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :

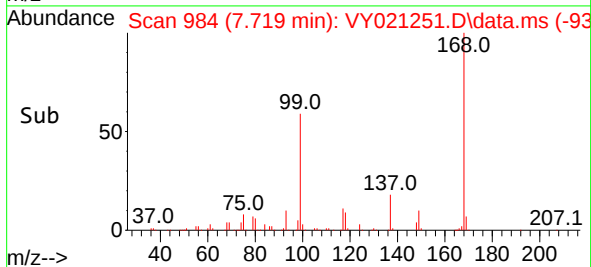
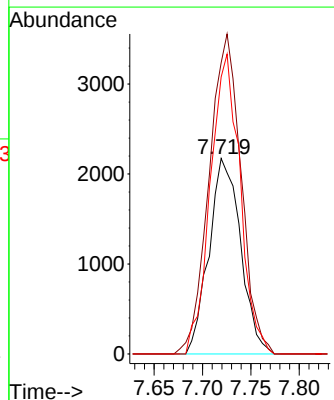
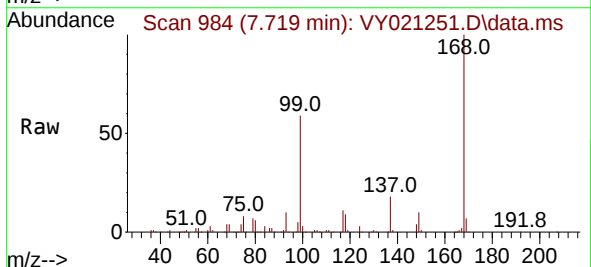


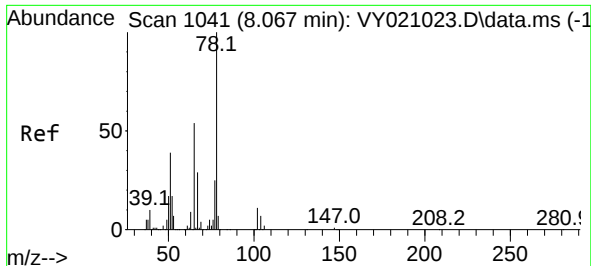
Tgt Ion:	84	Resp:	3437
Ion	Ratio	Lower	Upper
84	100		
49	99.1	95.2	142.8
51	34.1	29.9	44.9
86	60.9	52.2	78.4



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021251.D
Acq: 20 Feb 2025 15:55

Tgt Ion:	56	Resp:	4938
Ion	Ratio	Lower	Upper
56	100		
69	149.0	27.0	40.6#
84	141.6	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 55.349 ug/l

RT: 8.079 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VY021251.D

Acq: 20 Feb 2025 15:55

Instrument :

MSVOA_Y

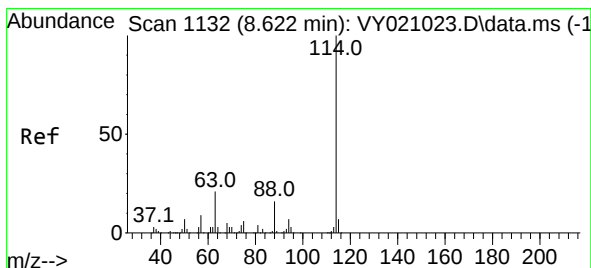
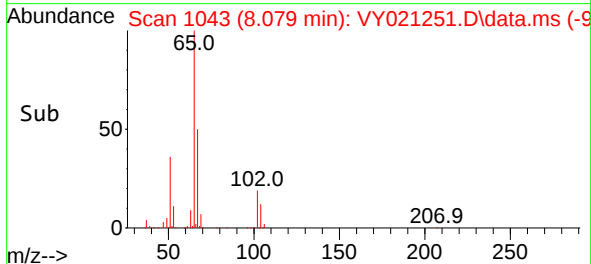
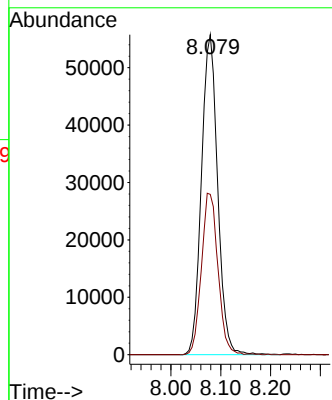
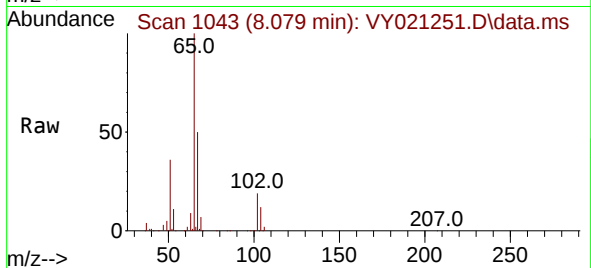
ClientSampleId :

Tgt Ion: 65 Resp: 125705

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021251.D

Acq: 20 Feb 2025 15:55

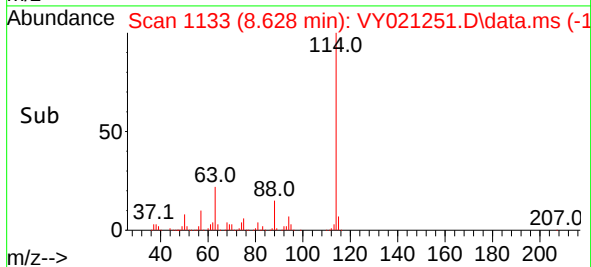
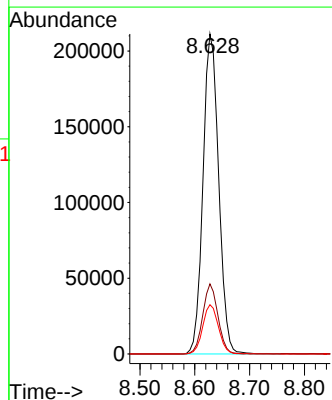
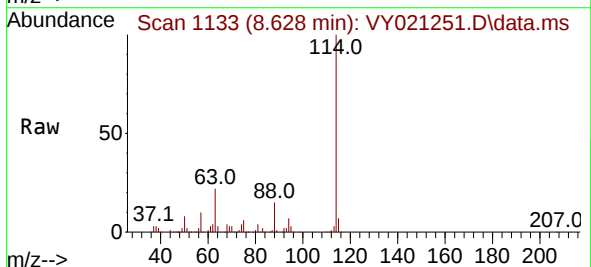
Tgt Ion: 114 Resp: 419656

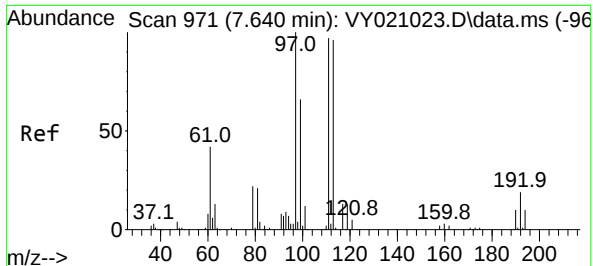
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

88 15.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.538 ug/l

RT: 7.652 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY021251.D

Acq: 20 Feb 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

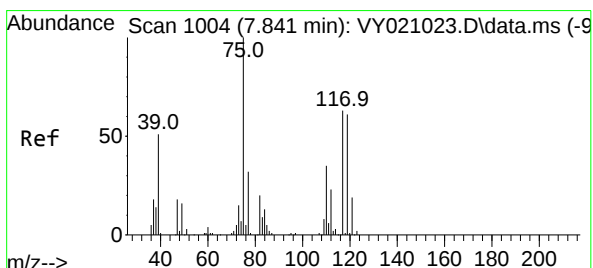
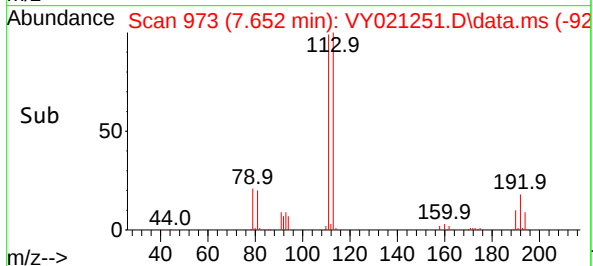
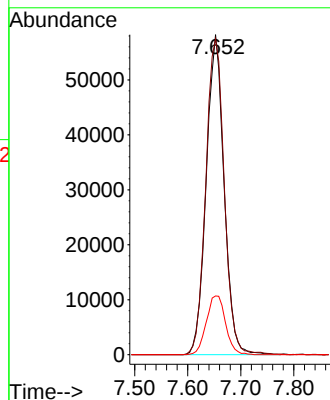
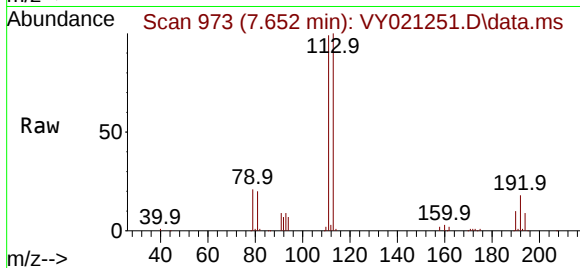
Tgt Ion:113 Resp: 135920

Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 19.8 14.5 21.7



#36

1,1-Dichloropropene

Concen: 4.434 ug/l

RT: 7.725 min Scan# 985

Delta R.T. -0.116 min

Lab File: VY021251.D

Acq: 20 Feb 2025 15:55

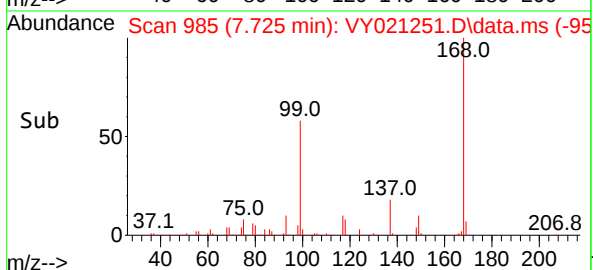
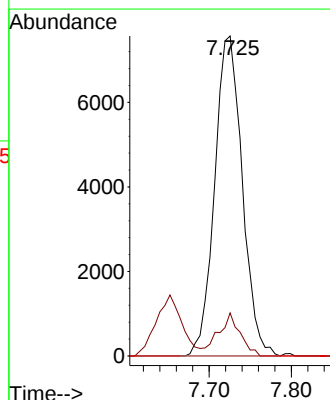
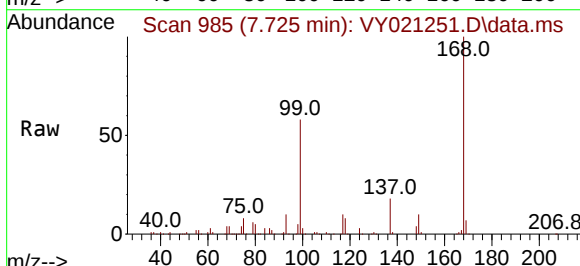
Tgt Ion: 75 Resp: 17664

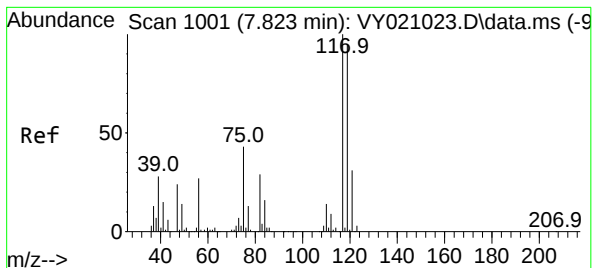
Ion Ratio Lower Upper

75 100

110 10.7 17.4 52.3#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.858 ug/l

RT: 7.725 min Scan# 91

Delta R.T. -0.098 min

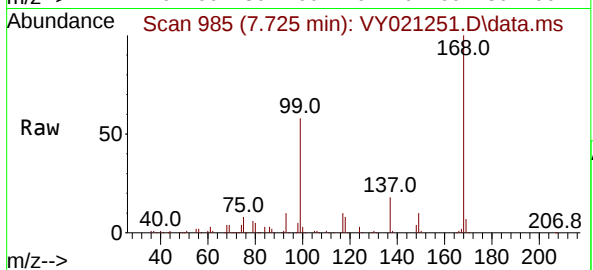
Lab File: VY021251.D

Acq: 20 Feb 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :



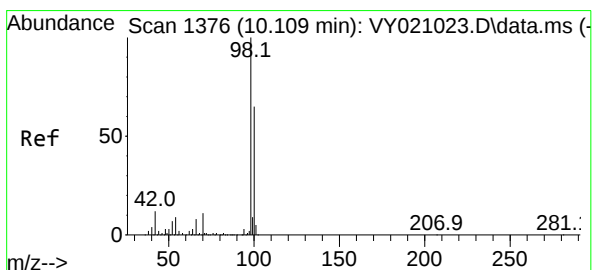
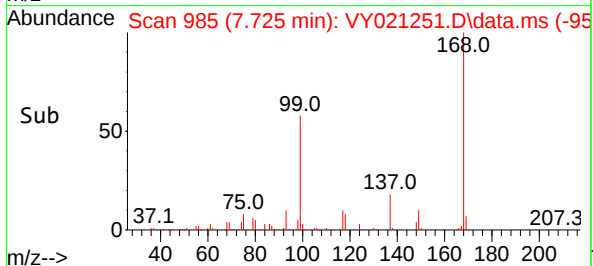
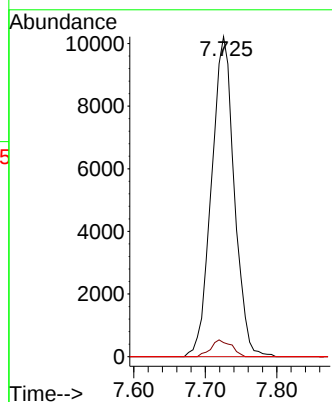
Tgt Ion:117 Resp: 22614

Ion Ratio Lower Upper

117 100

119 4.4 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.559 ug/l

RT: 10.121 min Scan# 1378

Delta R.T. 0.012 min

Lab File: VY021251.D

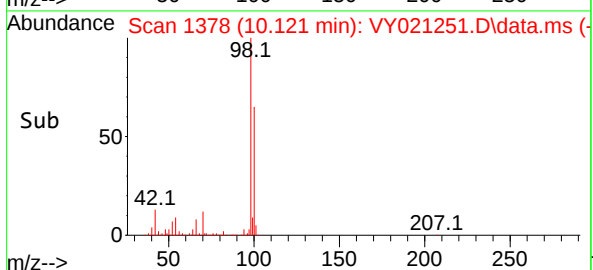
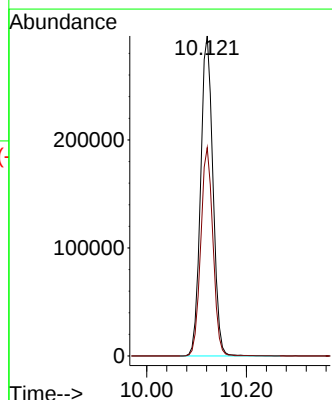
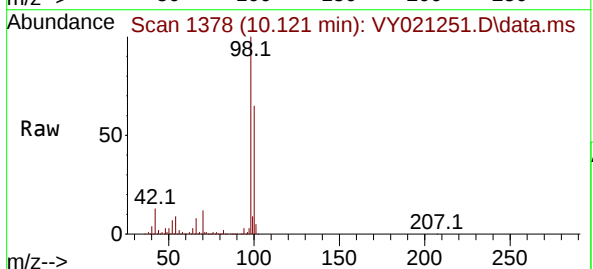
Acq: 20 Feb 2025 15:55

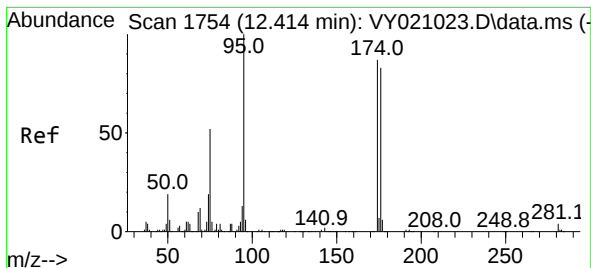
Tgt Ion: 98 Resp: 507425

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5

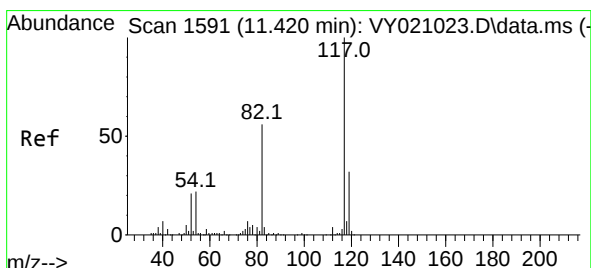
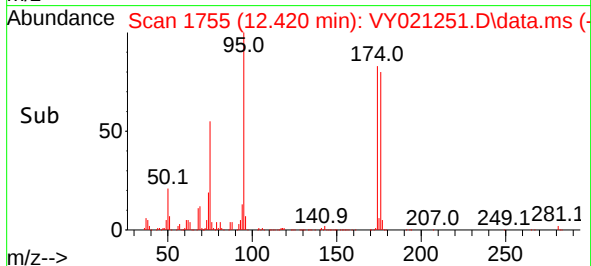
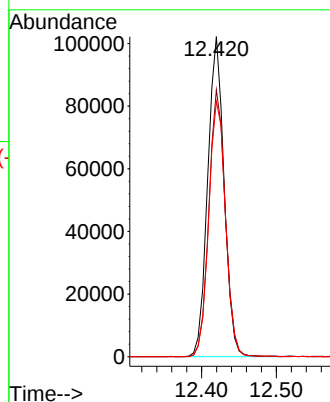
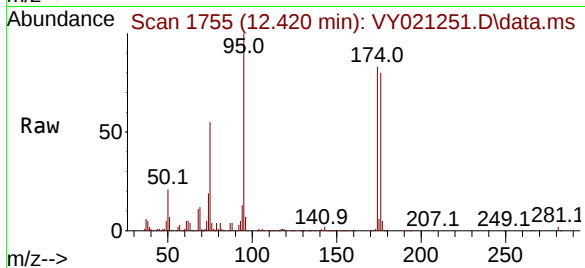




#62
4-Bromofluorobenzene
Concen: 46.559 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY021251.D
Acq: 20 Feb 2025 15:55

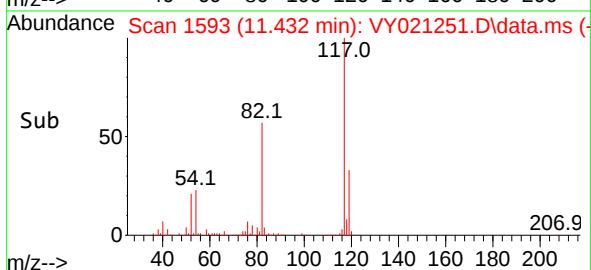
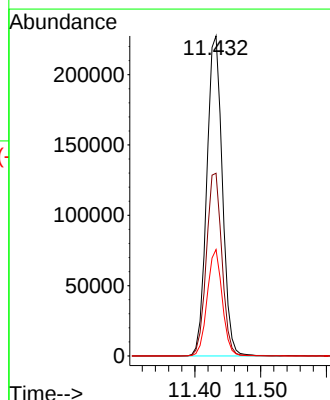
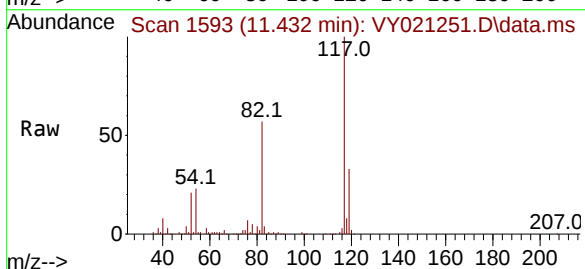
Instrument :
MSVOA_Y
ClientSampleId :

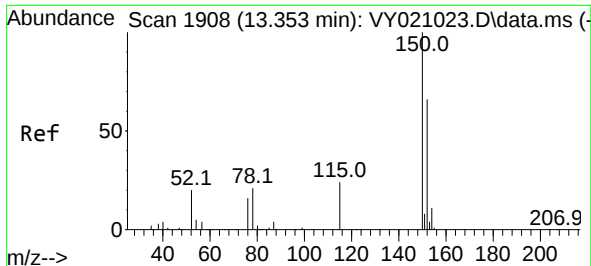
Tgt Ion: 95 Resp: 155739
Ion Ratio Lower Upper
95 100
174 83.7 0.0 160.0
176 81.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.432 min Scan# 1593
Delta R.T. 0.012 min
Lab File: VY021251.D
Acq: 20 Feb 2025 15:55

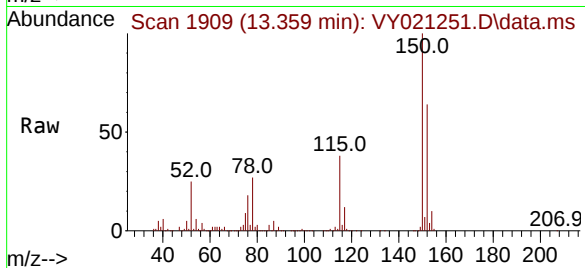
Tgt Ion: 117 Resp: 374382
Ion Ratio Lower Upper
117 100
82 57.1 43.8 65.8
119 33.2 26.5 39.7



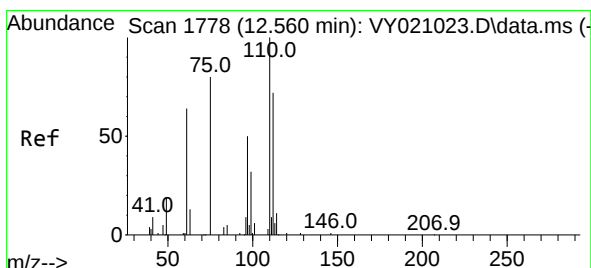
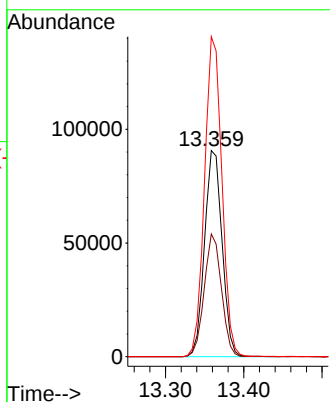
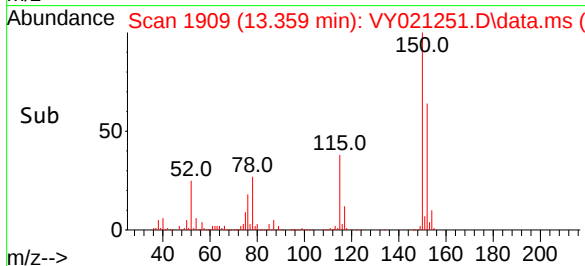


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.359 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY021251.D
 Acq: 20 Feb 2025 15:55

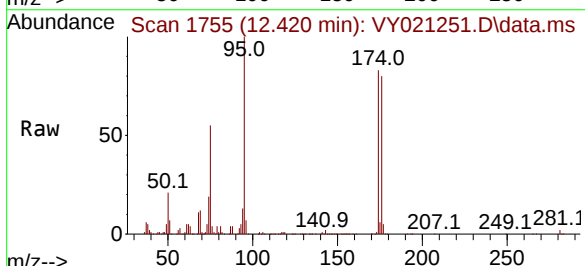
Instrument :
 MSVOA_Y
 ClientSampleId :



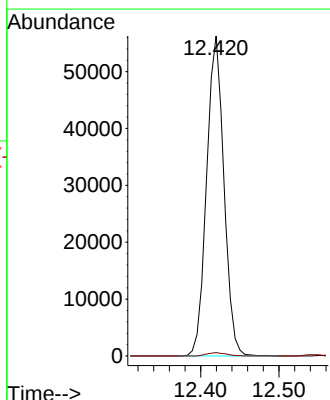
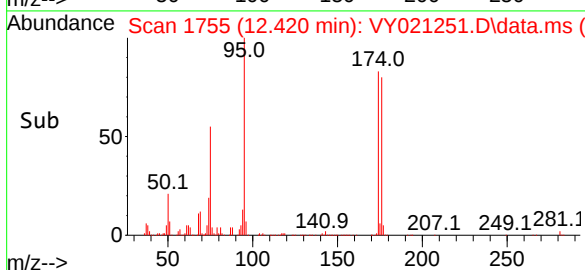
Tgt Ion:152 Resp: 140750
 Ion Ratio Lower Upper
 152 100
 115 58.5 30.0 90.0
 150 153.7 0.0 344.6

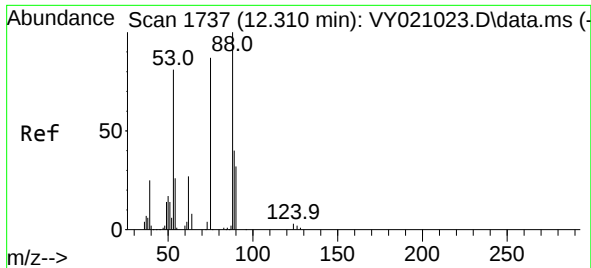


#76
 1,2,3-Trichloropropane
 Concen: 67.554 ug/l
 RT: 12.420 min Scan# 1755
 Delta R.T. -0.140 min
 Lab File: VY021251.D
 Acq: 20 Feb 2025 15:55



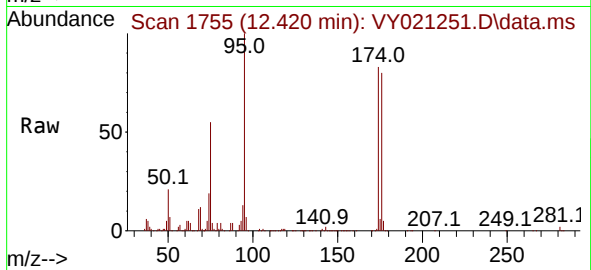
Tgt Ion: 75 Resp: 86251
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.842 ug/l
 RT: 12.420 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY021251.D
 Acq: 20 Feb 2025 15:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 86251
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

