

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021261.D
 Acq On : 20 Feb 2025 19:49
 Operator : SY/MD
 Sample : Q1383-21
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:46:03 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)

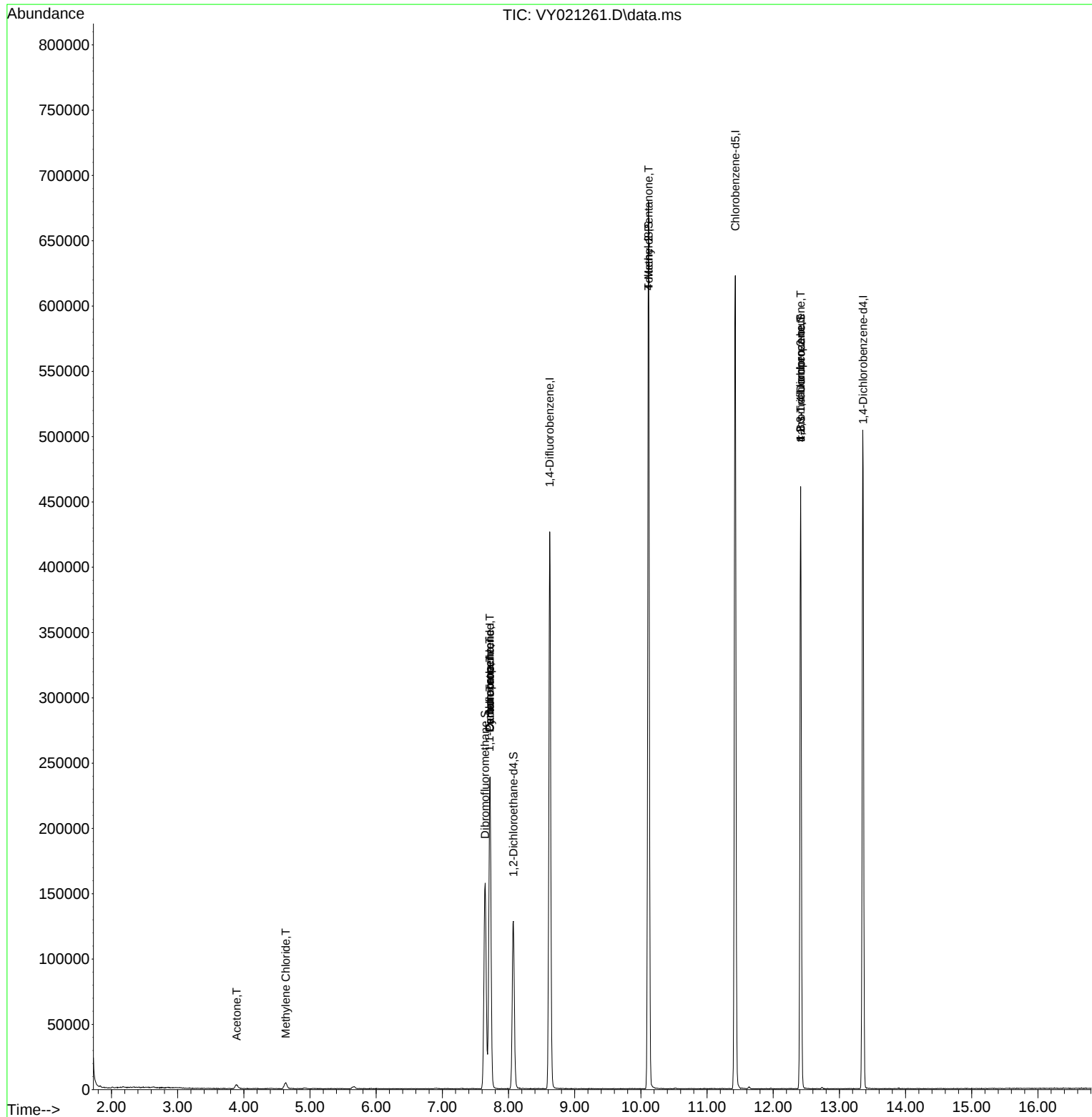
Internal Standards						
1) Pentafluorobenzene	7.719	168	181233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	347875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	316822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	123624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	104551	56.305	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.600%	
35) Dibromofluoromethane	7.646	113	111827	50.160	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.115	98	423789	49.931	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.414	95	131691	47.493	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	5828	20.126	ug/l	95
20) Methylene Chloride	4.635	84	3321	1.845	ug/l	98
31) Cyclohexane	7.719	56	4143	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	14802	4.483	ug/l #	51
38) Carbon Tetrachloride	7.719	117	18622	4.826	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	2187	1.511	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	75032	66.908	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	75032	136.524	ug/l #	12

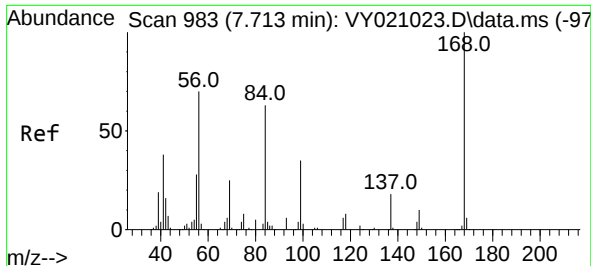
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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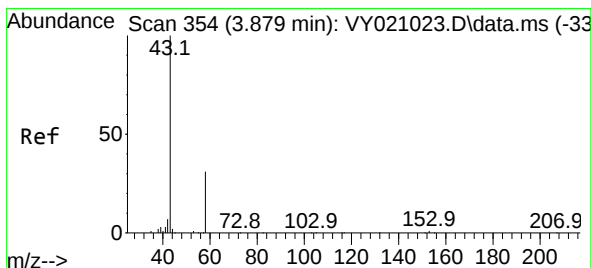
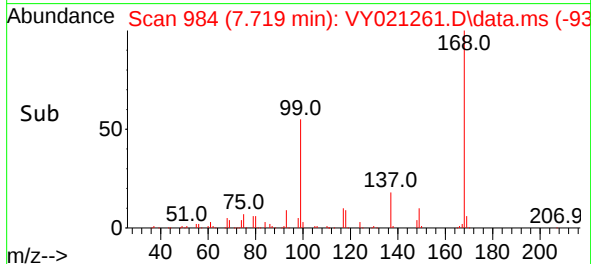
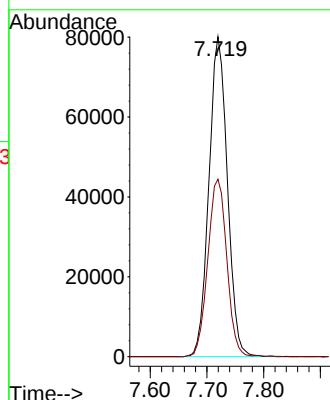
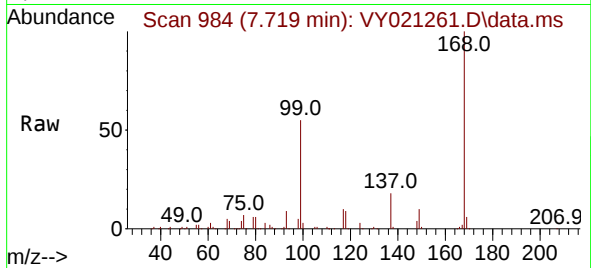




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

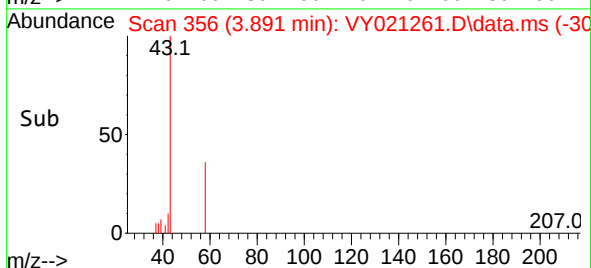
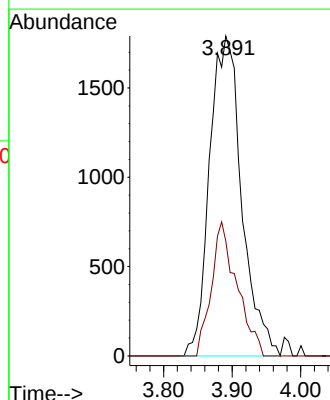
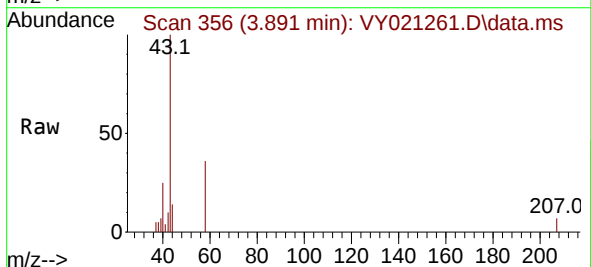
Instrument :
MSVOA_Y
ClientSampleId :

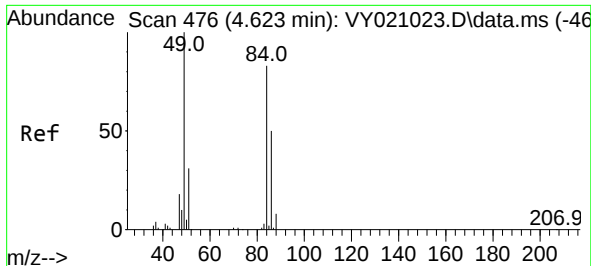
Tgt Ion:168 Resp: 181233
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#16
Acetone
Concen: 20.126 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

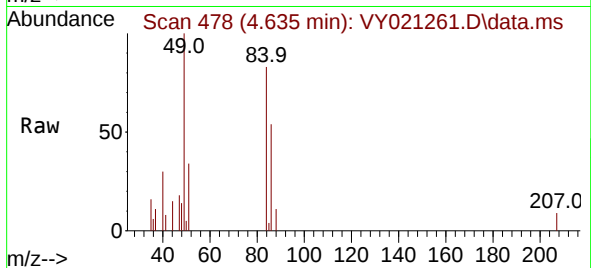
Tgt Ion: 43 Resp: 5828
Ion Ratio Lower Upper
43 100
58 35.9 26.6 39.8



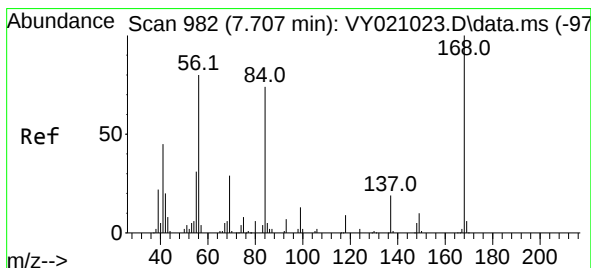
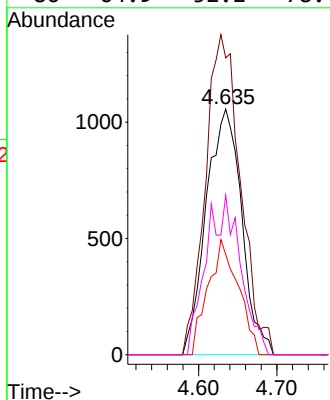
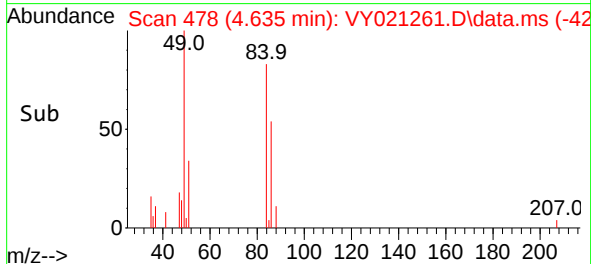


#20
Methylene Chloride
Concen: 1.845 ug/l
RT: 4.635 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

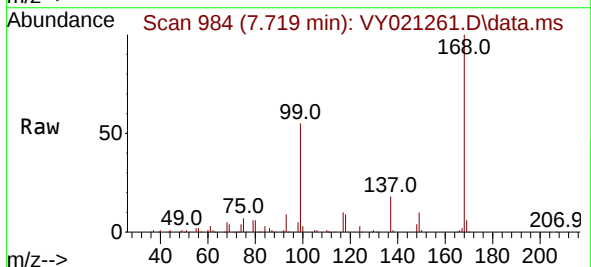
Instrument :
MSVOA_Y
ClientSampleId :



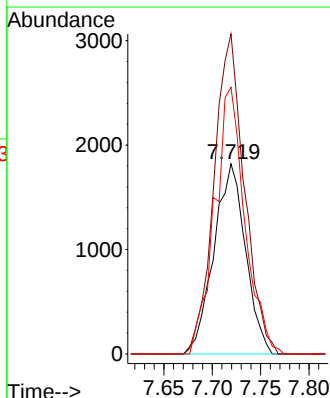
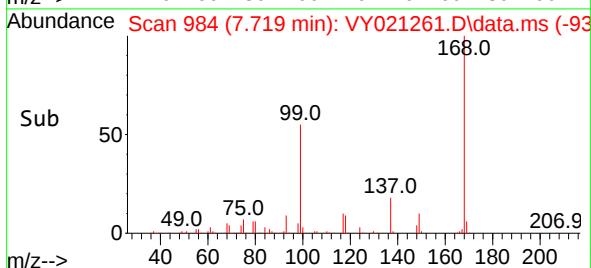
Tgt Ion:	84	Resp:	3321
Ion	Ratio	Lower	Upper
84	100		
49	120.8	95.2	142.8
51	40.8	29.9	44.9
86	64.9	52.2	78.4

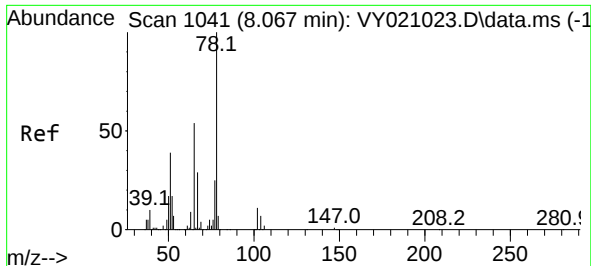


#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49



Tgt Ion:	56	Resp:	4143
Ion	Ratio	Lower	Upper
56	100		
69	168.4	27.0	40.6#
84	140.3	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 56.305 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021261.D

Acq: 20 Feb 2025 19:49

Instrument :

MSVOA_Y

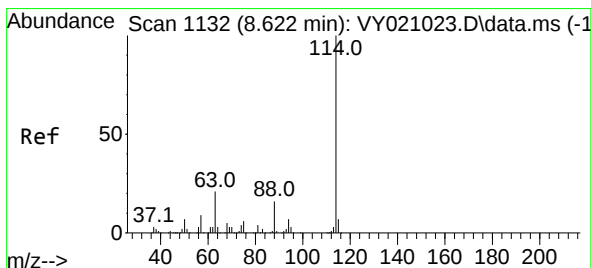
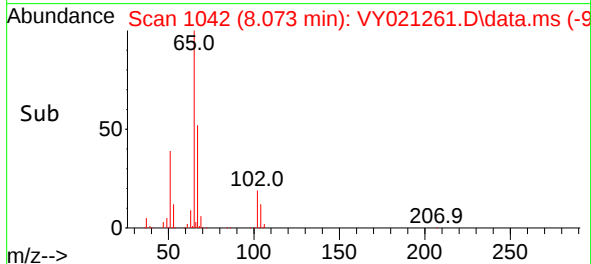
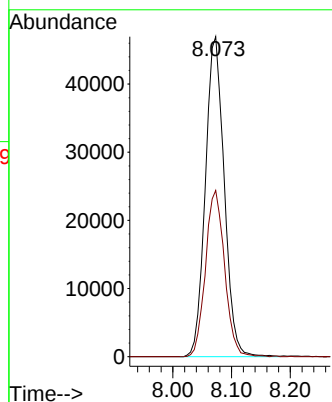
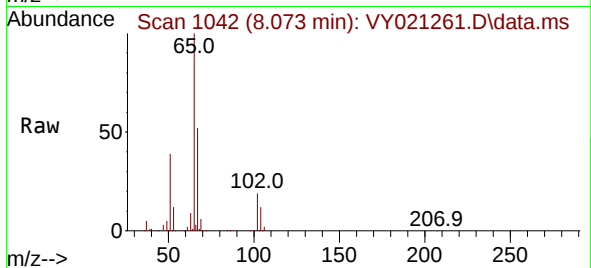
ClientSampleId :

Tgt Ion: 65 Resp: 104551

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021261.D

Acq: 20 Feb 2025 19:49

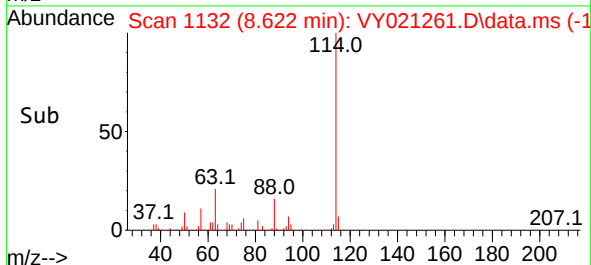
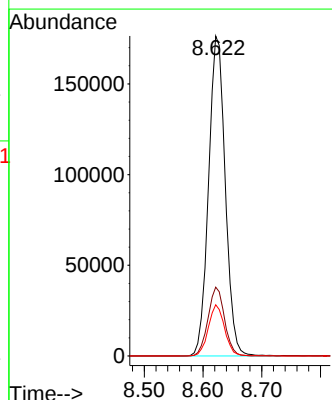
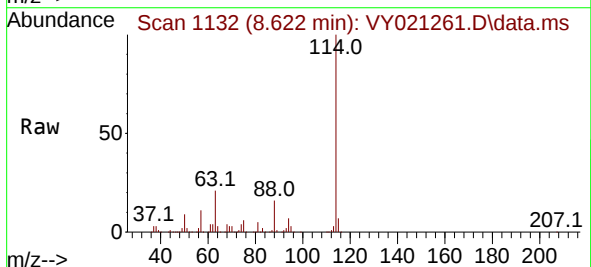
Tgt Ion: 114 Resp: 347875

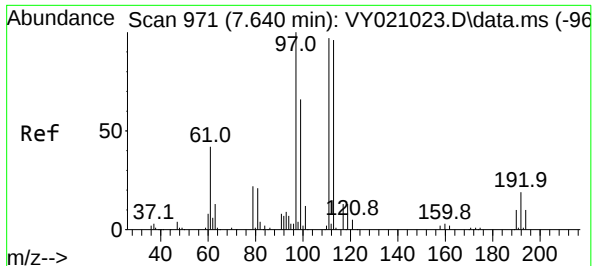
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 16.0 0.0 29.0

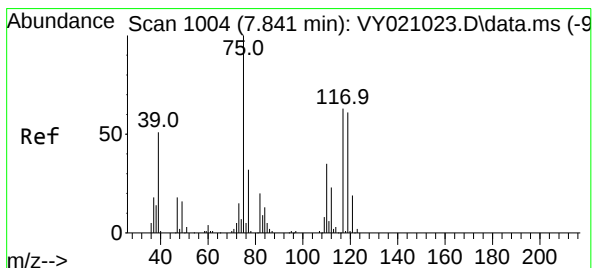
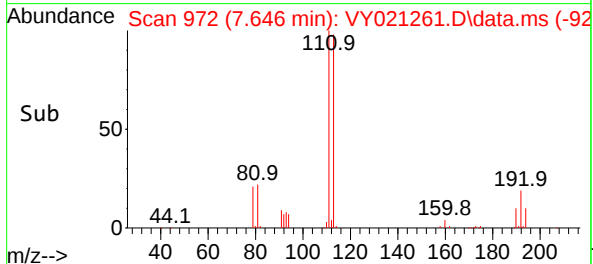
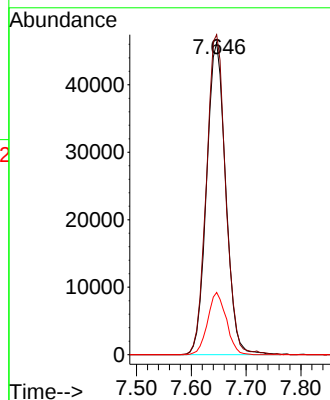
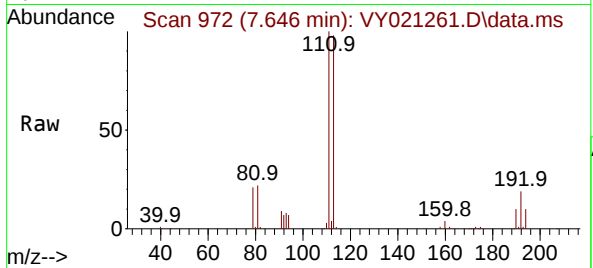




#35
Dibromofluoromethane
Concen: 50.160 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

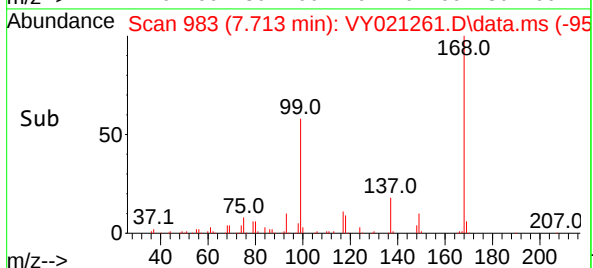
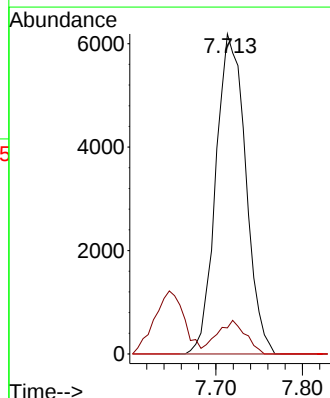
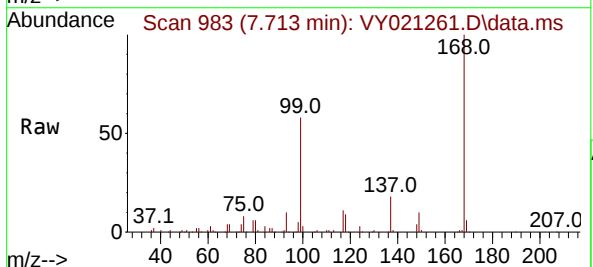
Instrument :
MSVOA_Y
ClientSampleId :

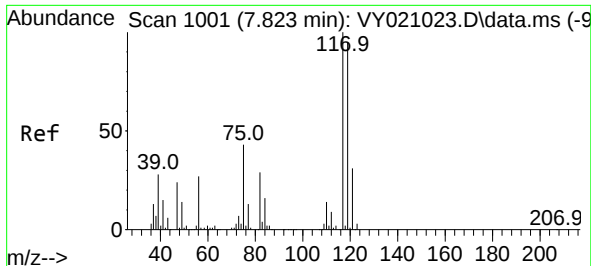
Tgt Ion:113 Resp: 111827
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.483 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

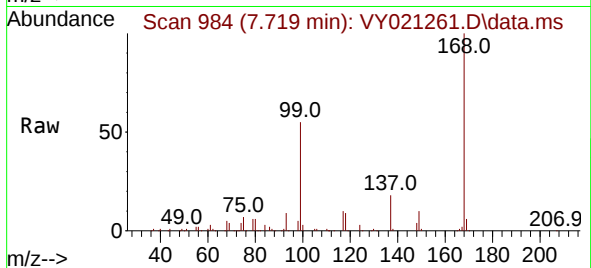
Tgt Ion: 75 Resp: 14802
Ion Ratio Lower Upper
75 100
110 10.0 17.4 52.3#
77 0.0 24.7 37.1#



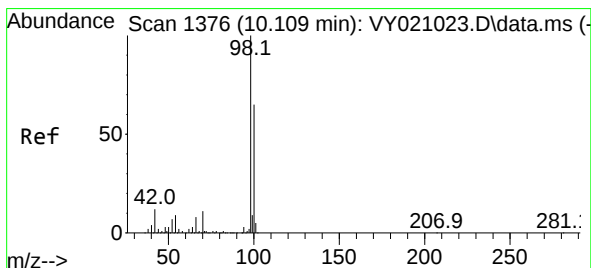
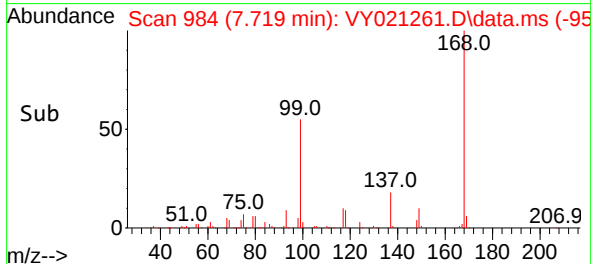
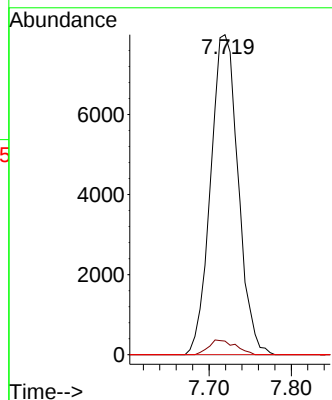


#38
Carbon Tetrachloride
Concen: 4.826 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

Instrument :
MSVOA_Y
ClientSampleId :

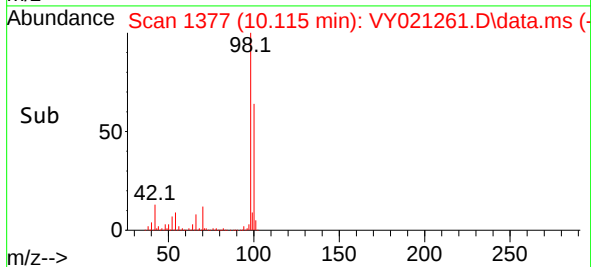
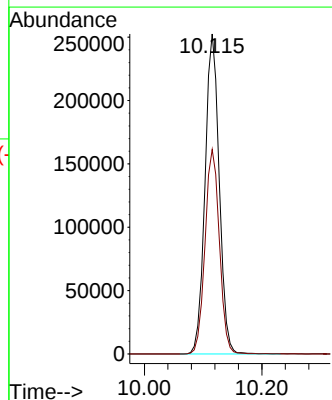
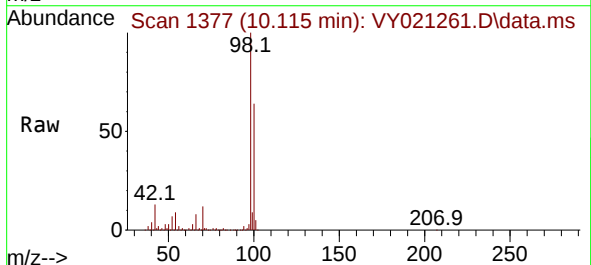


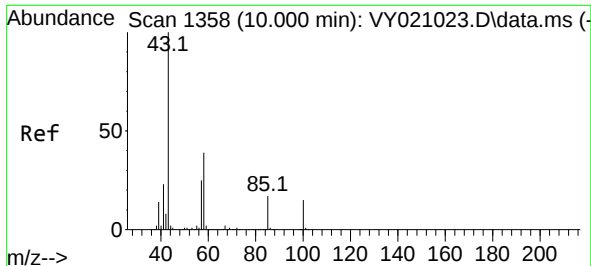
Tgt Ion:117 Resp: 18622
Ion Ratio Lower Upper
117 100
119 4.2 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.931 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

Tgt Ion: 98 Resp: 423789
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5

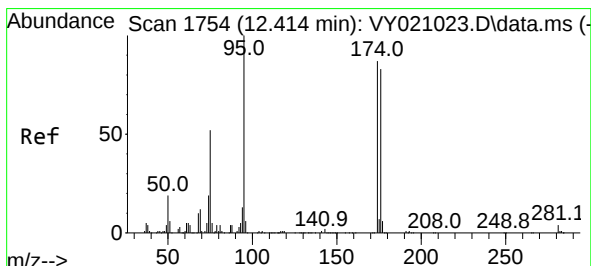
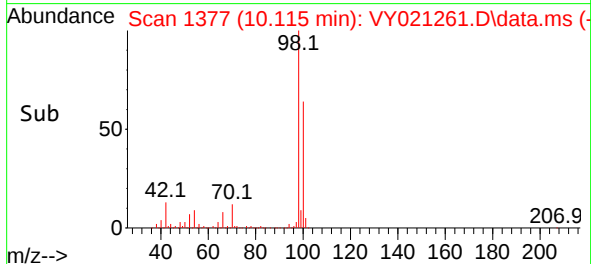
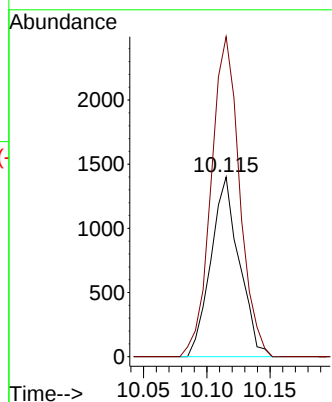
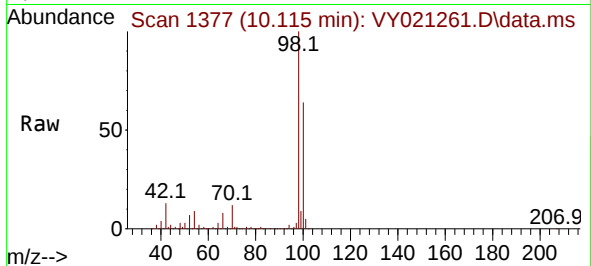




#51
4-Methyl-2-Pentanone
Concen: 1.511 ug/l
RT: 10.115 min Scan# 1358
Delta R.T. 0.116 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

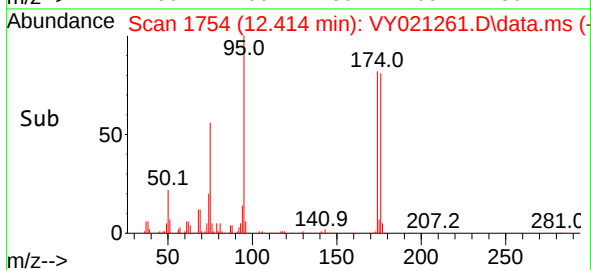
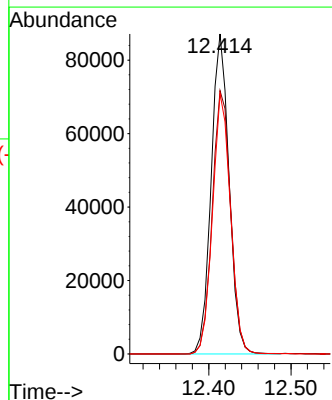
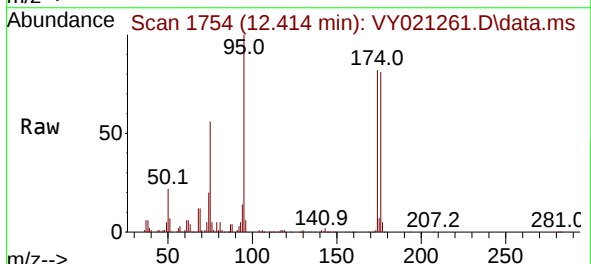
Instrument :
MSVOA_Y
ClientSampleId :

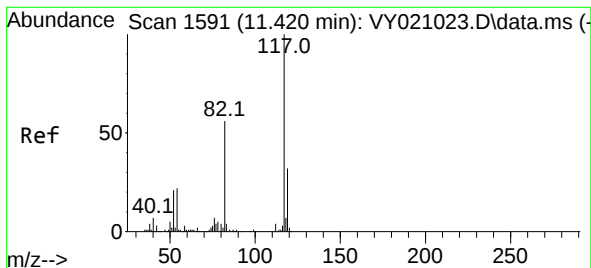
Tgt Ion: 43 Resp: 2187
Ion Ratio Lower Upper
43 100
58 178.7 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 47.493 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021261.D
Acq: 20 Feb 2025 19:49

Tgt Ion: 95 Resp: 131691
Ion Ratio Lower Upper
95 100
174 84.7 0.0 160.0
176 81.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021261.D

Acq: 20 Feb 2025 19:49

Instrument :

MSVOA_Y

ClientSampleId :

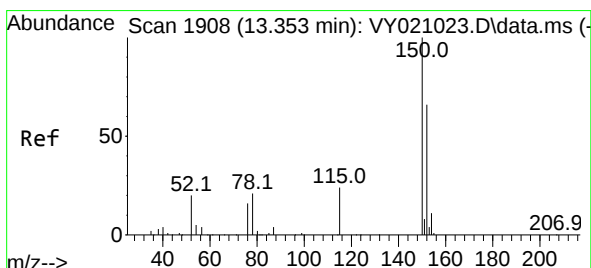
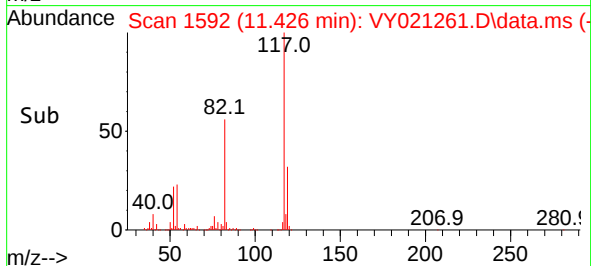
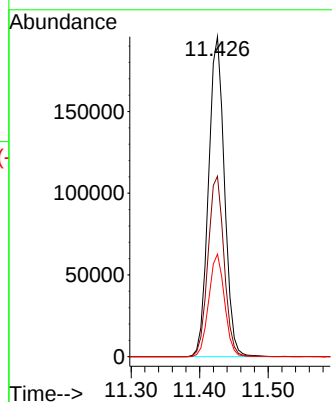
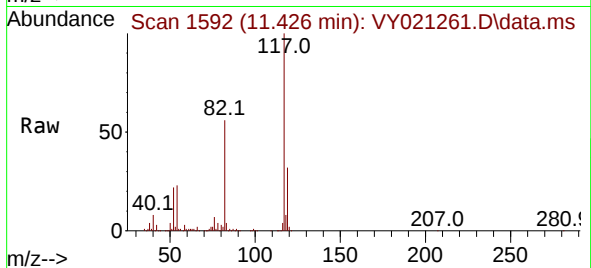
Tgt Ion:117 Resp: 316822

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

119 32.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021261.D

Acq: 20 Feb 2025 19:49

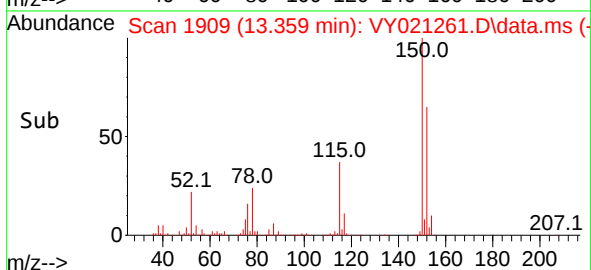
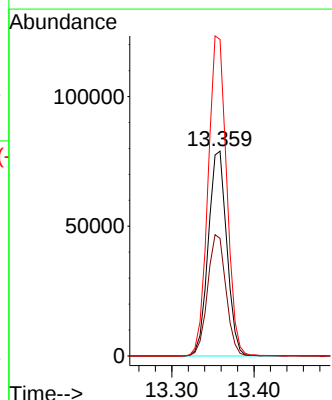
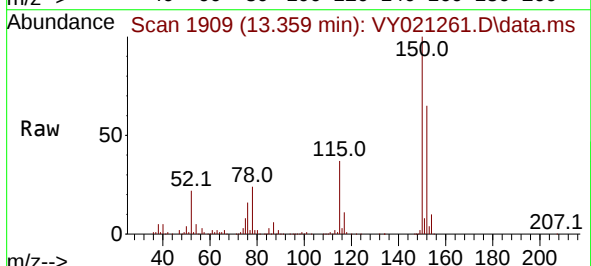
Tgt Ion:152 Resp: 123624

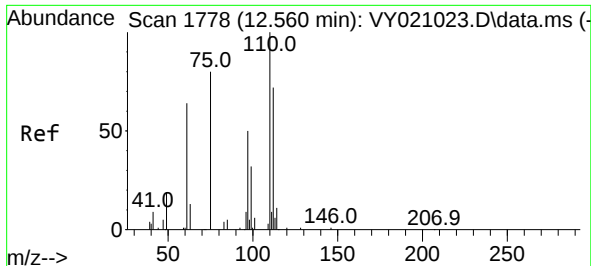
Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

150 156.7 0.0 344.6

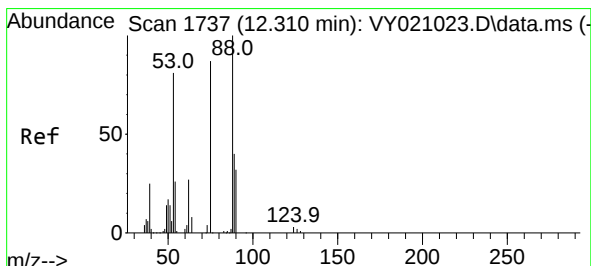
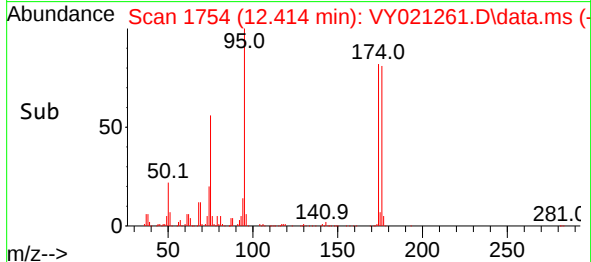
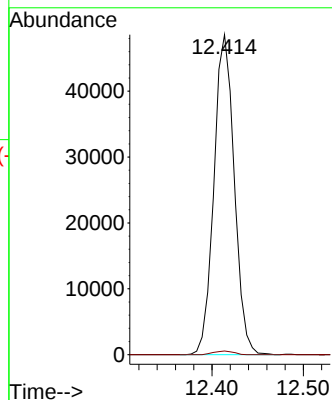
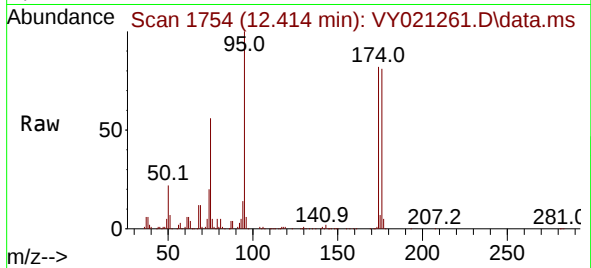




#76
 1,2,3-Trichloropropane
 Concen: 66.908 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.147 min
 Lab File: VY021261.D
 Acq: 20 Feb 2025 19:49

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 75032
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.524 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.103 min
 Lab File: VY021261.D
 Acq: 20 Feb 2025 19:49

Tgt Ion: 75 Resp: 75032
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

