

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021256.D
 Acq On : 20 Feb 2025 17:52
 Operator : SY/MD
 Sample : Q1383-11
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:44:20 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)

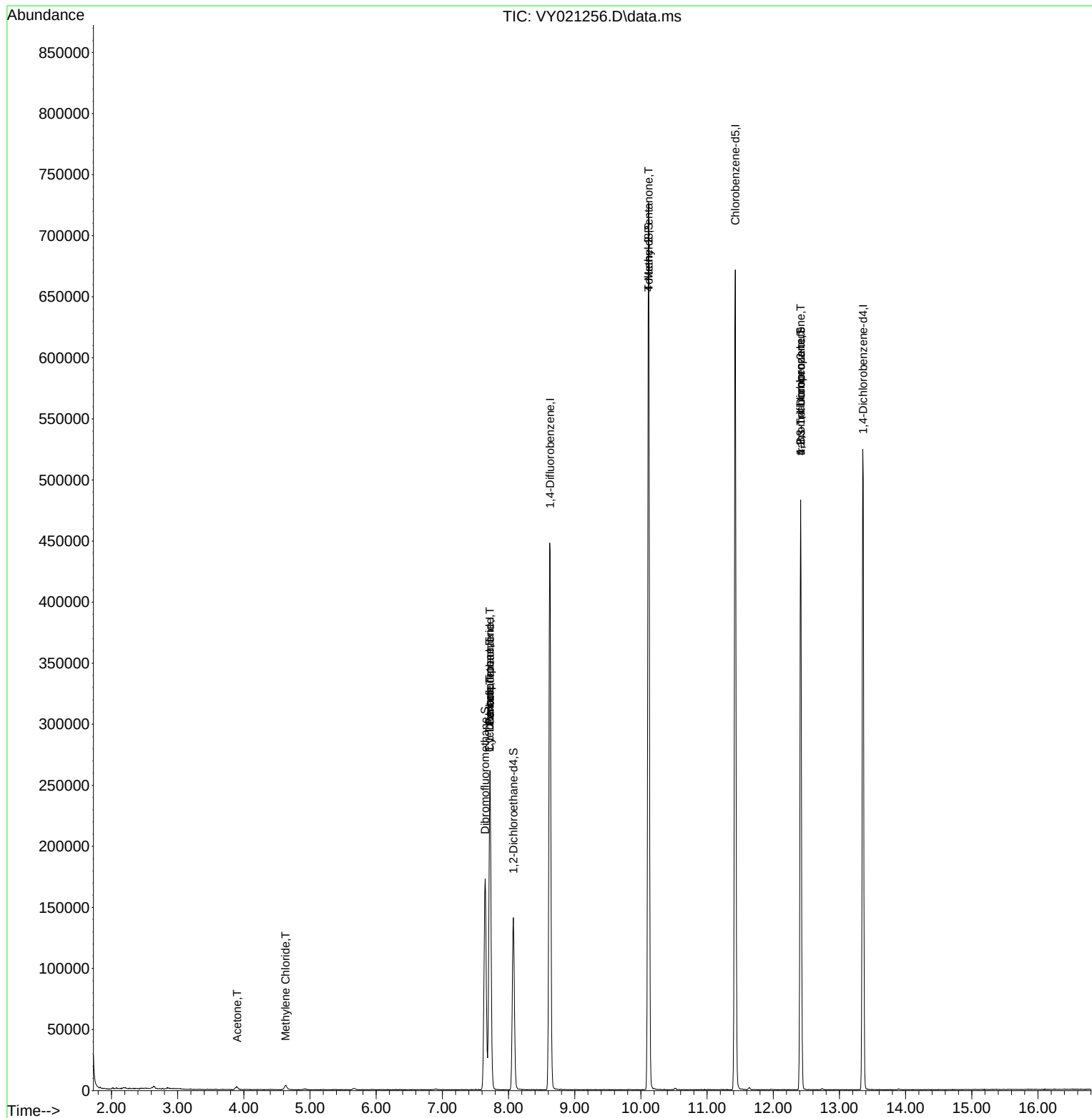
Internal Standards						
1) Pentafluorobenzene	7.720	168	197039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	374580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	340962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	132279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	113314	56.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.260%	
35) Dibromofluoromethane	7.646	113	121526	50.624	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.240%	
50) Toluene-d8	10.115	98	460913	50.433	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	12.414	95	141716	47.465	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.920%	
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	4152	13.188	ug/l	95
20) Methylene Chloride	4.629	84	2473	1.264	ug/l	95
31) Cyclohexane	7.713	56	4534	1.317	ug/l #	52
36) 1,1-Dichloropropene	7.713	75	16177	4.550	ug/l #	51
38) Carbon Tetrachloride	7.720	117	20361	4.901	ug/l #	17
51) 4-Methyl-2-Pentanone	10.115	43	2206	1.415	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	78287	65.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	78287	133.126	ug/l #	12

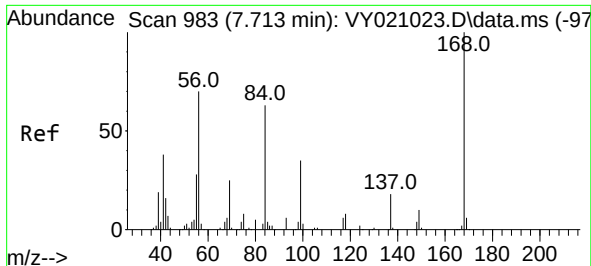
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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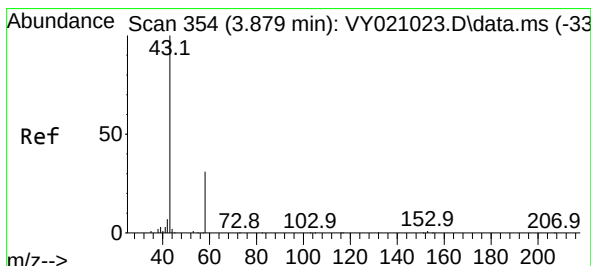
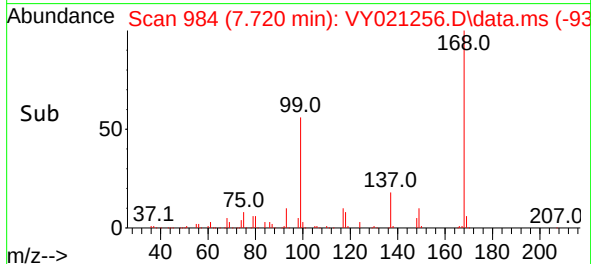
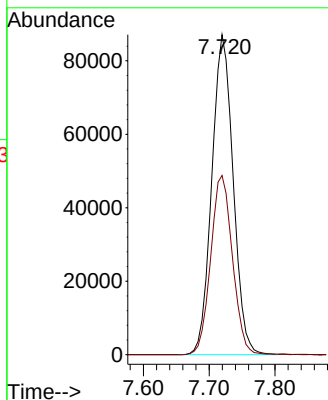
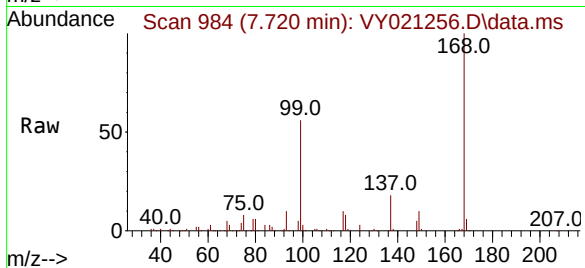




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY021256.D
Acq: 20 Feb 2025 17:52

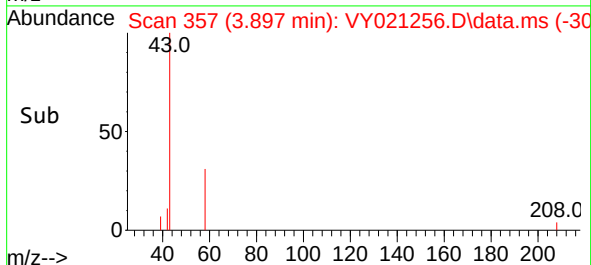
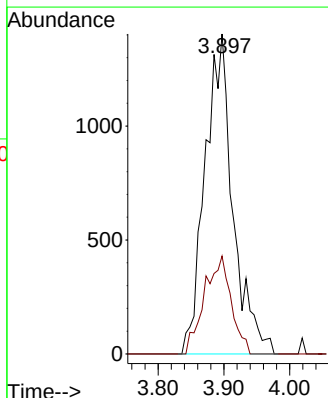
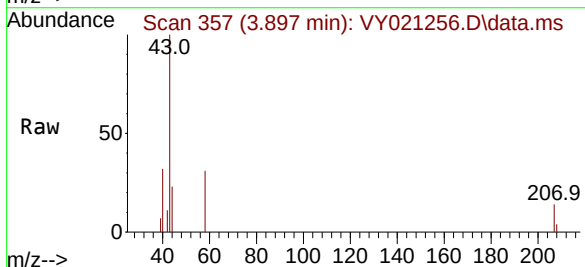
Instrument :
MSVOA_Y
ClientSampleId :

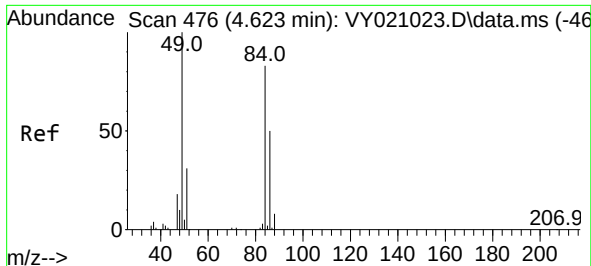
Tgt Ion:168 Resp: 197039
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#16
Acetone
Concen: 13.188 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY021256.D
Acq: 20 Feb 2025 17:52

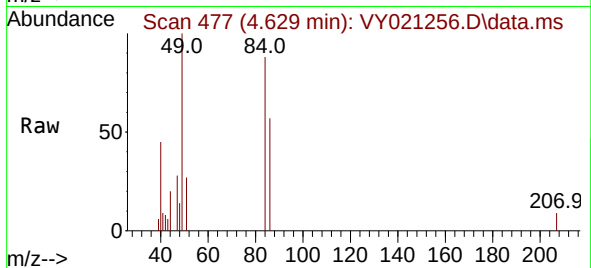
Tgt Ion: 43 Resp: 4152
Ion Ratio Lower Upper
43 100
58 30.6 26.6 39.8



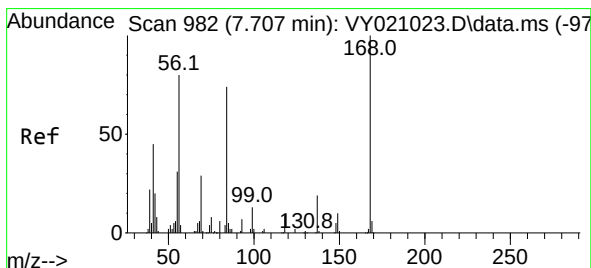
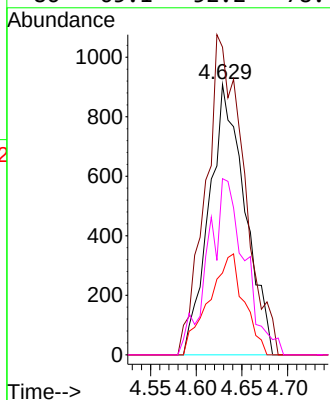
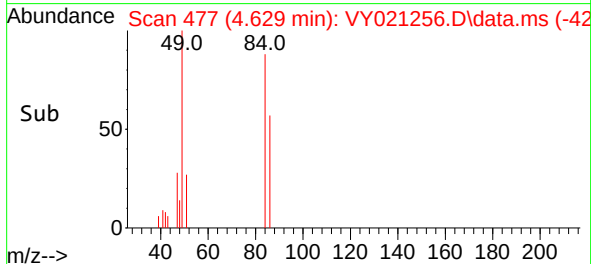


#20
Methylene Chloride
Concen: 1.264 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021256.D
Acq: 20 Feb 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :

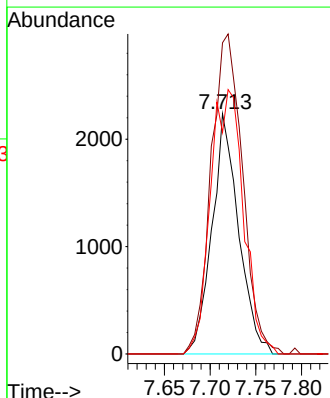
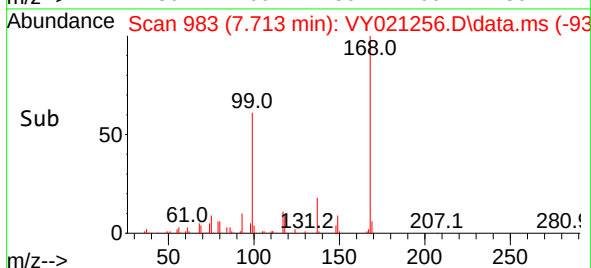
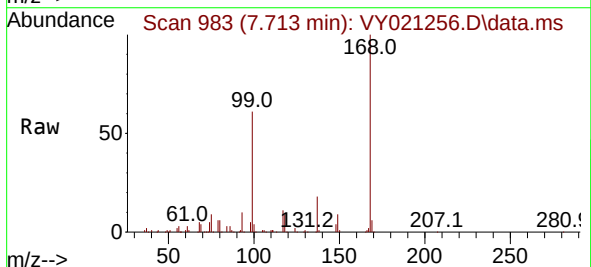


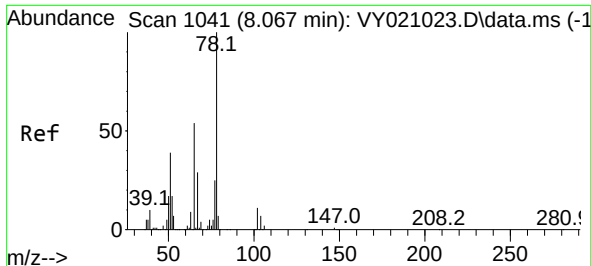
Tgt Ion:	84	Resp:	2473
Ion	Ratio	Lower	Upper
84	100		
49	113.8	95.2	142.8
51	30.3	29.9	44.9
86	65.1	52.2	78.4



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021256.D
Acq: 20 Feb 2025 17:52

Tgt Ion:	56	Resp:	4534
Ion	Ratio	Lower	Upper
56	100		
69	129.6	27.0	40.6#
84	92.2	71.8	107.6





#33

1,2-Dichloroethane-d4

Concen: 56.129 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY021256.D

Acq: 20 Feb 2025 17:52

Instrument :

MSVOA_Y

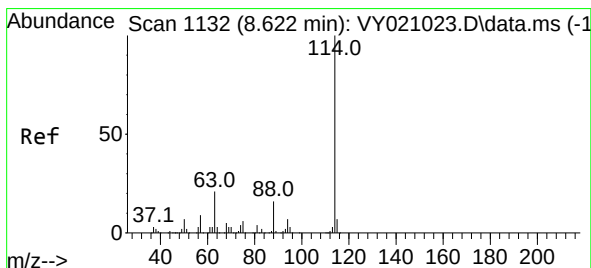
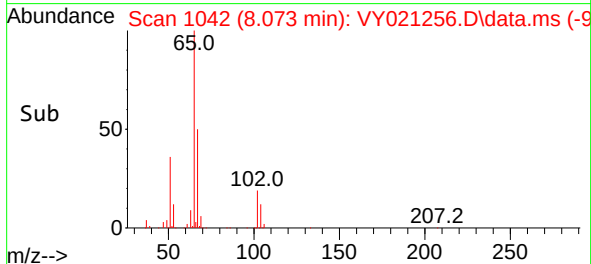
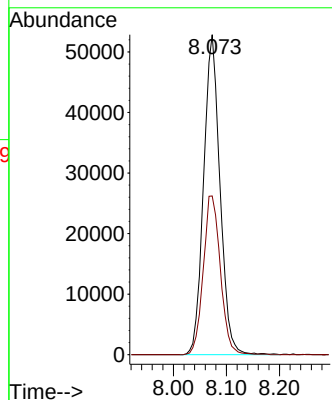
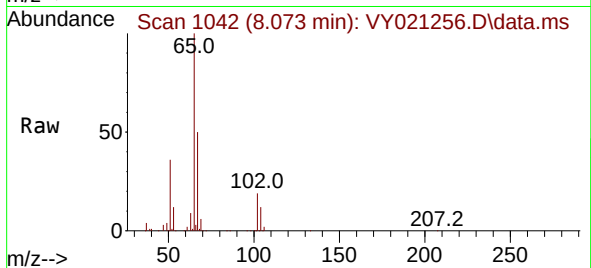
ClientSampleId :

Tgt Ion: 65 Resp: 113314

Ion Ratio Lower Upper

65 100

67 51.9 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: VY021256.D

Acq: 20 Feb 2025 17:52

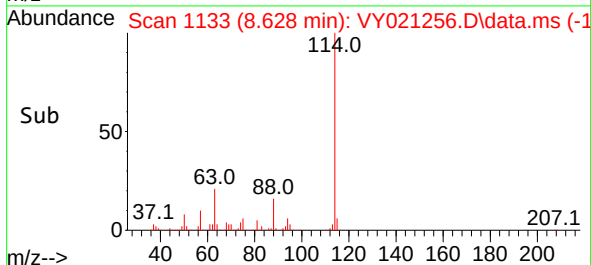
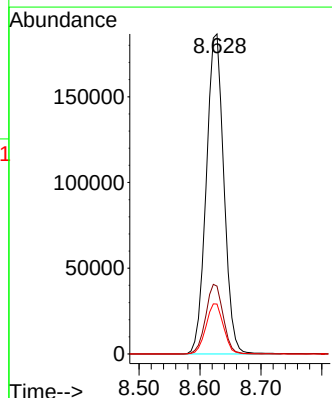
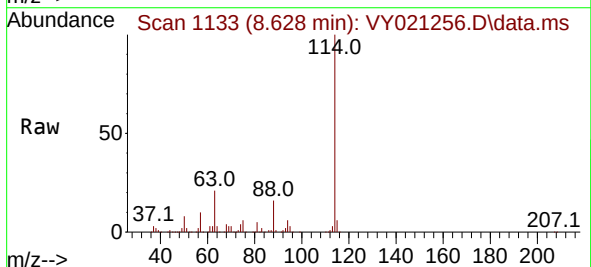
Tgt Ion:114 Resp: 374580

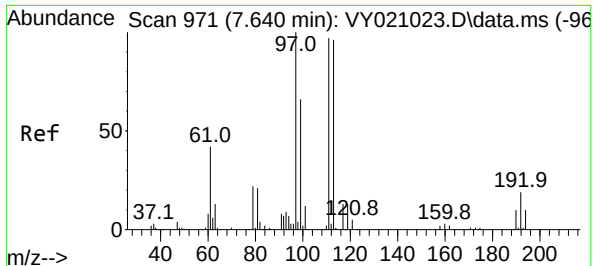
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 15.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.624 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY021256.D

Acq: 20 Feb 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

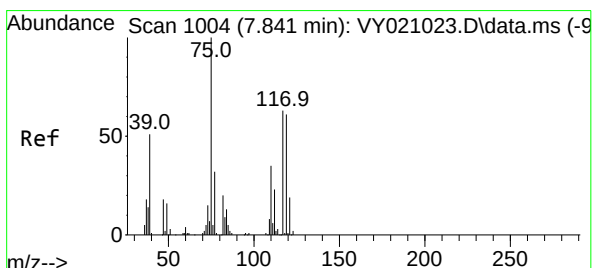
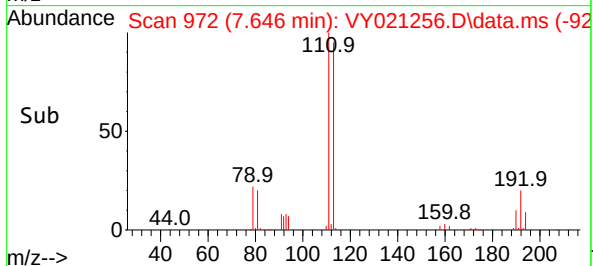
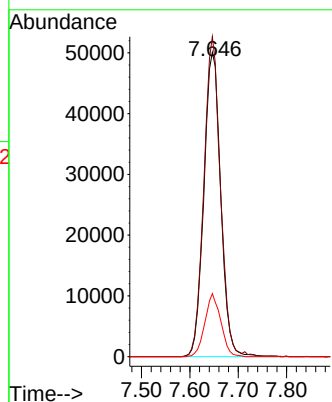
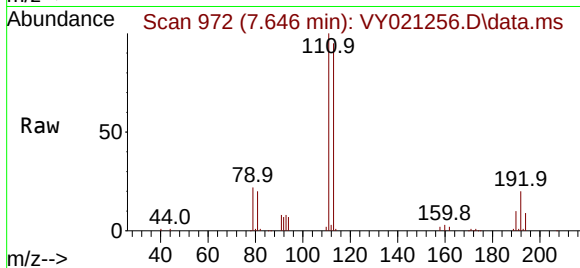
Tgt Ion:113 Resp: 121526

Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 19.6 14.5 21.7



#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021256.D

Acq: 20 Feb 2025 17:52

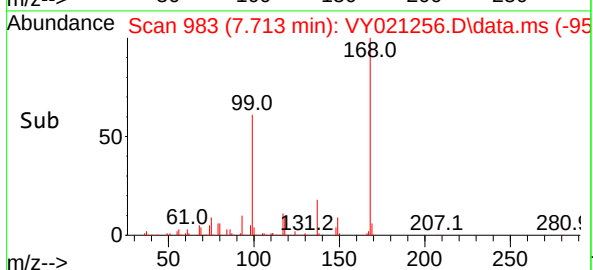
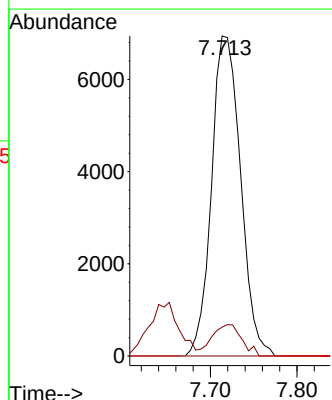
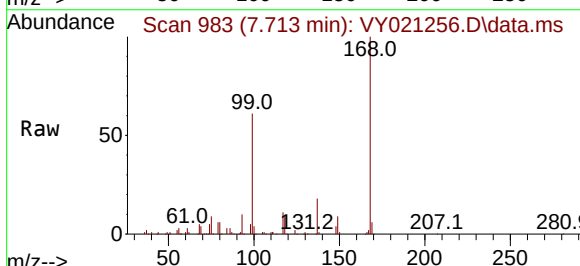
Tgt Ion: 75 Resp: 16177

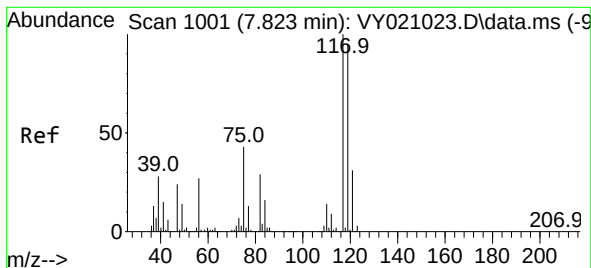
Ion Ratio Lower Upper

75 100

110 9.7 17.4 52.3#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.901 ug/l

RT: 7.720 min Scan# 91

Delta R.T. -0.104 min

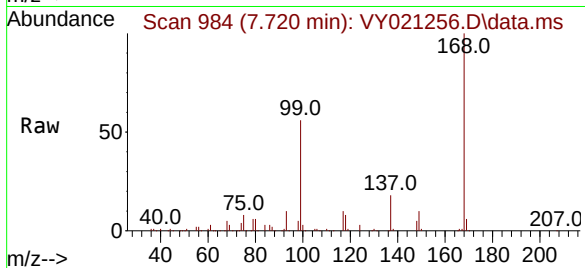
Lab File: VY021256.D

Acq: 20 Feb 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :



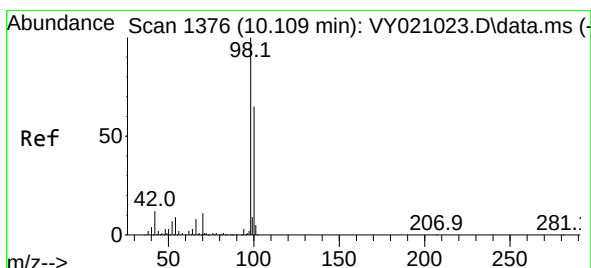
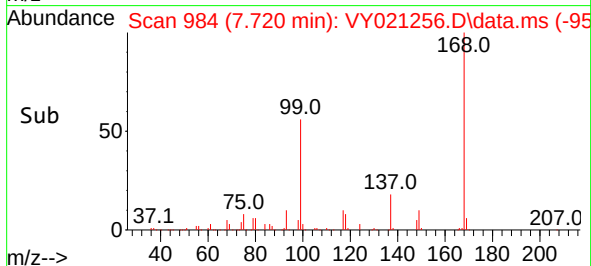
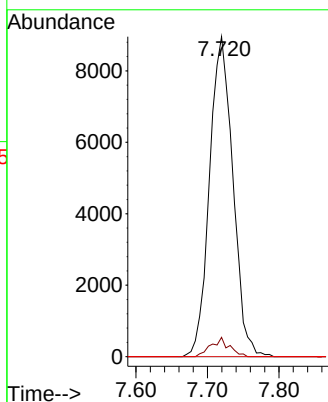
Tgt Ion:117 Resp: 20361

Ion Ratio Lower Upper

117 100

119 6.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.433 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021256.D

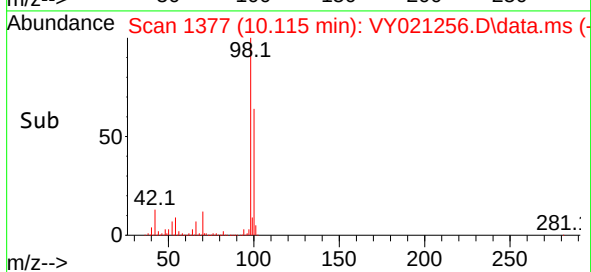
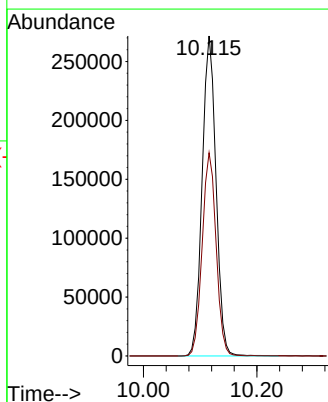
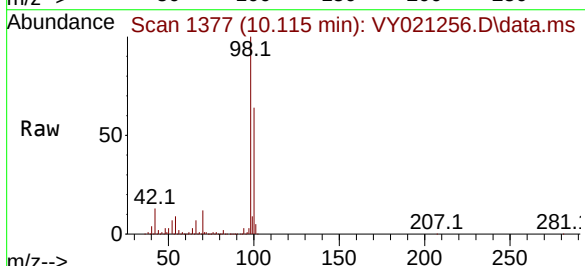
Acq: 20 Feb 2025 17:52

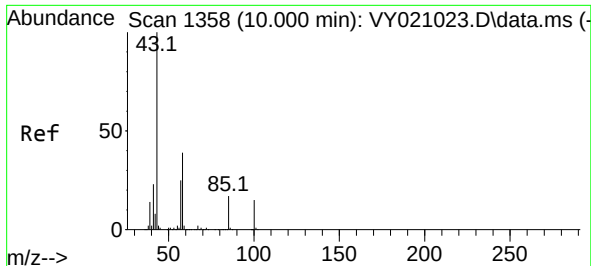
Tgt Ion: 98 Resp: 460913

Ion Ratio Lower Upper

98 100

100 63.7 52.3 78.5

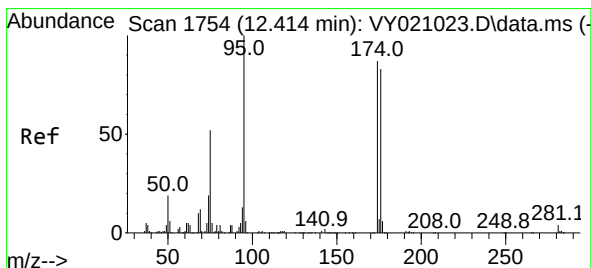
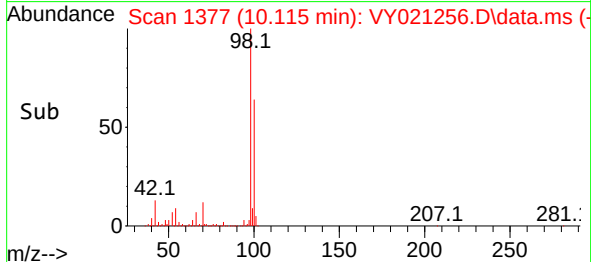
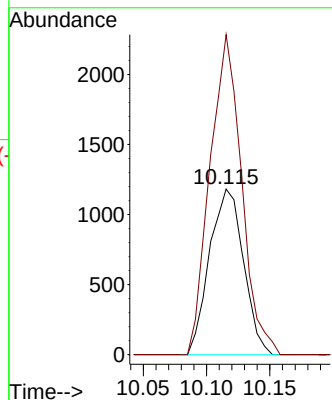
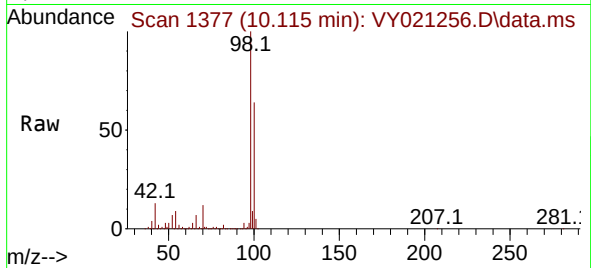




#51
4-Methyl-2-Pentanone
Concen: 1.415 ug/l
RT: 10.115 min Scan# 1358
Delta R.T. 0.116 min
Lab File: VY021256.D
Acq: 20 Feb 2025 17:52

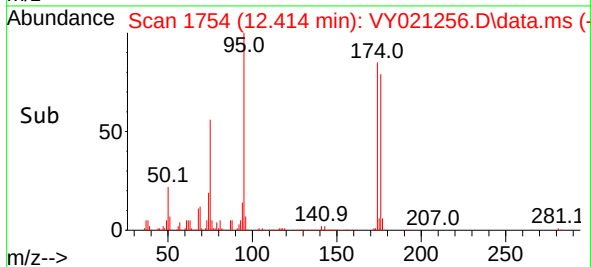
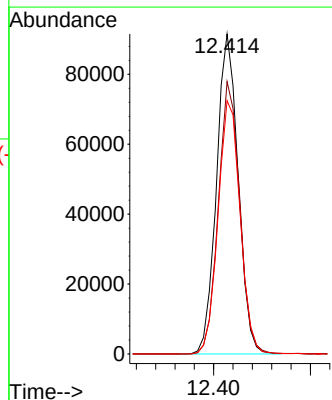
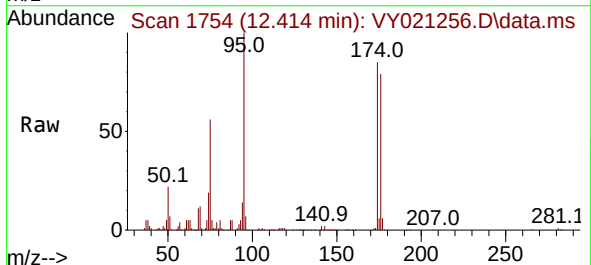
Instrument :
MSVOA_Y
ClientSampleId :

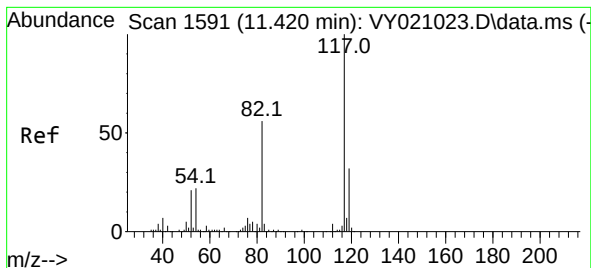
Tgt Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
58 180.2 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 47.465 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY021256.D
Acq: 20 Feb 2025 17:52

Tgt Ion: 95 Resp: 141716
Ion Ratio Lower Upper
95 100
174 84.5 0.0 160.0
176 80.8 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: VY021256.D

Acq: 20 Feb 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

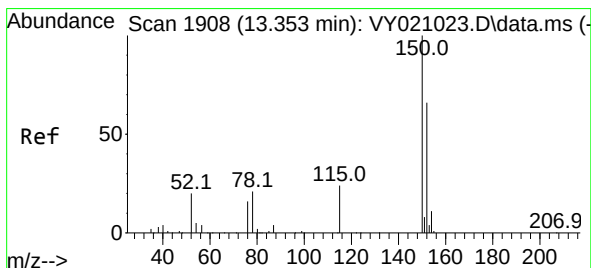
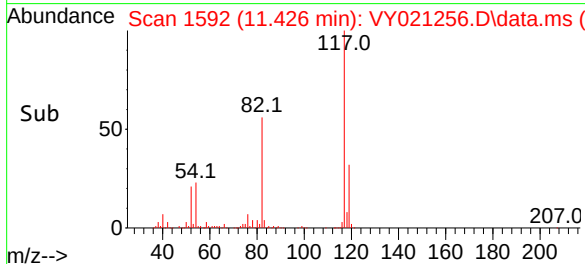
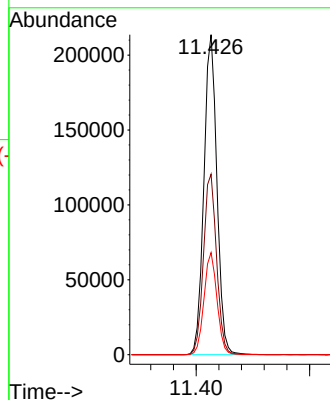
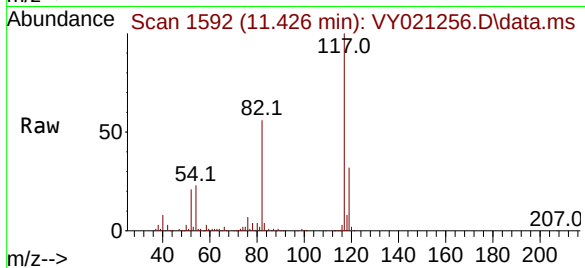
Tgt Ion:117 Resp: 340962

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

119 31.9 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: VY021256.D

Acq: 20 Feb 2025 17:52

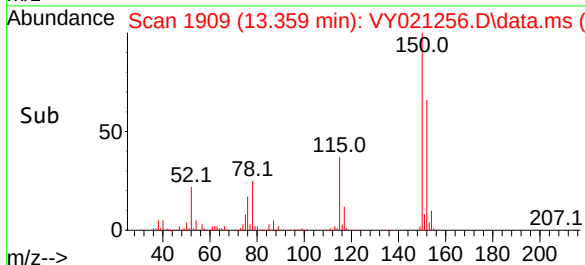
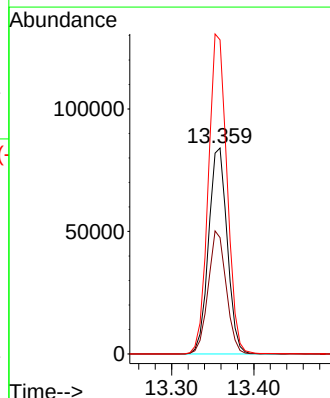
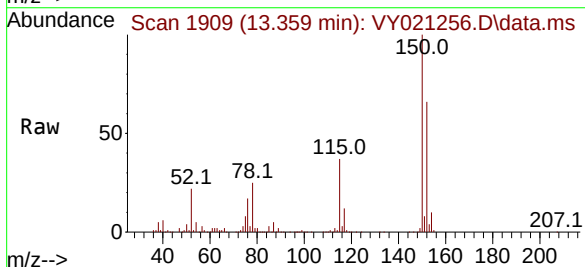
Tgt Ion:152 Resp: 132279

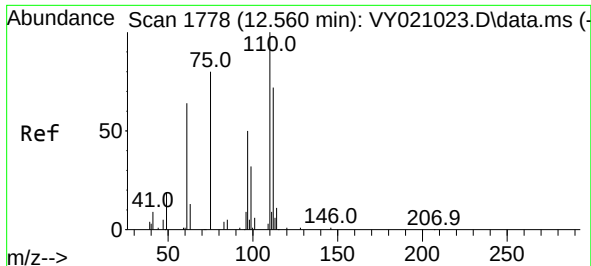
Ion Ratio Lower Upper

152 100

115 57.9 30.0 90.0

150 155.6 0.0 344.6

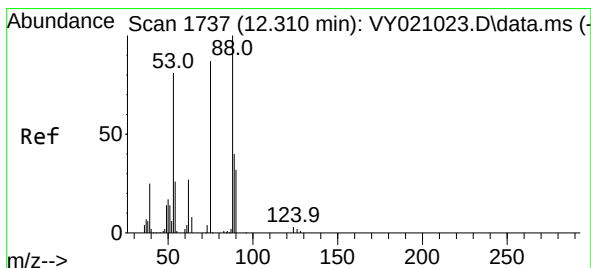
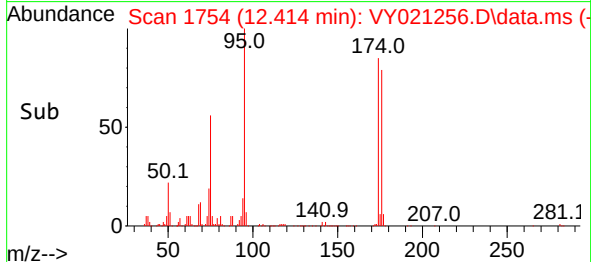
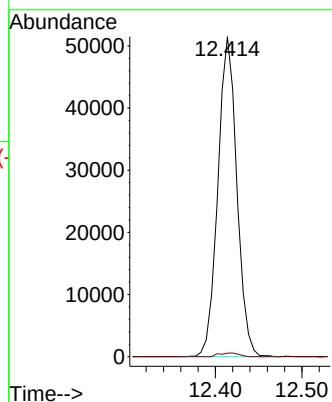
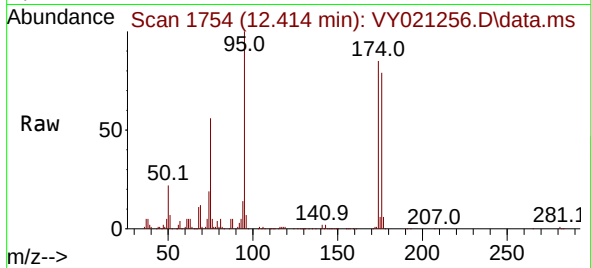




#76
 1,2,3-Trichloropropane
 Concen: 65.243 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY021256.D
 Acq: 20 Feb 2025 17:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 78287
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.126 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.104 min
 Lab File: VY021256.D
 Acq: 20 Feb 2025 17:52

Tgt Ion: 75 Resp: 78287
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

